CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

ABBREVIATIONS

&	AND
L	ANGLE
@	AT
DIA	DIAMETER
#	NUMBER
(E)	EXISTING
(N)	NEW
d	PENNY
PL	PLATE
AC	ASPHALT CONCRETE
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
AGGR.	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
ALD	ASSISTIVE LISTENING DEVICE
ALUM.	ALUMINUM
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
BD.	BOARD
BITUM.	BITUMINUOUS
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
B.N.	BULLNOSE
BOTT.	BOTTOM
B.U.	BUILT-UP
C.B.	CATCH BASIN
CEM.	CEMENT
C.E.P.S.	CEMENTITIOUS EXTERIOR PLASTER SYSTEM
CER.	CERAMIC
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
C.I.	CAST IRON
C.J.	CONSTRUCTION JOINT
CLKG	CAULKING
CLNG.	CEILING
CLR.	CLEAR
C.M.T.	CERAMIC MOSAIC TILE
C.M.U.	CONCRETE MASONRY UNIT
CNTR.	COUNTER
C.O.	CLEAN OUT
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTOR
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CSMU	CONCRETE SILICATE MASONRY UNIT
C.T.	CERAMIC TILE
CTSK.	COUNTERSINK
D.A.	DISABLED ACCESSIBLE
DBL.	DOUBLE
DIM.	DIMENSION
DN.	DOWN
D.O.	DOOR OPENING
DR.	DOOR
DRW.	DRAWER
DS.	DOWNSPOUT
DTL.	DETAIL
DWG.	DRAWING
EA.	EACH
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ENCL.	ENCLOSURE
E.O.	EDGE OF
E.P.S	(CEMENTICIOUS) EXTERIOR PLASTER SYSTEM
EQ.	EQUAL
EXP.	EXPOSED
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
FIN.	FINISH
FL.	FLOOR
FLASH.	FLASHING
FLUOR.	FLUORESCENT
F.O.	FACE OF
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUDS
FT.	FOOT/FEET
FTG.	FOOTING
FURR.	FURRING
FUT.	FUTURE
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
G.I.	GALVANIZED IRON
GL.	GLASS
GND.	GROUND
GRD.	GRADE
GYP.	GYPSUM
H.	HEIGHT
H.C.	HOLLOW CORE
HDWD.	HARDWOOD
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
K.S.	KNEE SPACE
LAM.	LAMINATE
LAV.	LAVATORY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
MED.	MEDIUM
MEMB.	MEMBRANE
MFR.	MANUFACTURER
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MTD.	MOUNTED
MTL.	METAL
MUL.	MULLION
N	NORTH
N.I.C.	NOT INCLUDED IN CONTRACT
NLR.	NAILER
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
OA.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OP. H.	OPPOSITE HANDED
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
OPNG.	OPENING
OPP.	OPPOSITE
PLAS.	PLASTIC
PLAM.	PLASTIC LAMINATE
PLYWD.	PLYWOOD
PM	PRESSED METAL
PNL	PANEL
PRECST.	PRECAST
PTN.	PARTITION
Q.T.	QUARRY TILE
R.A.	RETURN AIR
RCMD.	RECOMMENDATION
R.D.	ROOF DRAIN
REINF.	REINFORCING
REQ'D.	REQUIRED
REQ'S	REQUIREMENTS
RESIL	RESILIENT
R.O.	ROUGH OPENING
RWD.	REDWOOD
RWL	RAIN WATER LEADER
S	SOUTH
SCFS	SINTERED CERAMIC FACADE SYSTEM
SWR.	SHOWER
SHT.	SHEET
SIM.	SIMILAR
S.M.S.	SHEET METAL SCREW
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T&G	TONGUE & GROOVE
TEL.	TELEPHONE
THK.	THICK
T.O.C.	TOP OF CURB
T.O.S.	TOP OF STEEL
TYP.	TYPICAL
U/C	UNDERCOUNTER
UNF.	UNFINISHED
U.N.O.	UNLESS NOTED OTHERWISE
U.S.	UNDERSIDE
VERT.	VERTICAL
W/	WITH
W / E	WEST / EAST
W/O	WITHOUT
W.C.	WATER CLOSET
WD.	WOOD
W.O.	WHERE OCCURS
WP.	WATERPROOF
WR.	WATER RESISTANT
W.S.	WEATHER STRIP
W.W.F.	WELDED WIRE FABRIC

BUILDING DATA

SEE SHEET T0.1 FOR COMPLETE BUILDING AND CODE ANALYSIS

AREA:	12,371 S.F. (INTERIOR CONDITIONED SPACE) 13,726 S.F. (UNDER-ROOF AREA)
CONSTRUCTION:	II-B
OCCUPANCY:	TYPE B UNSEPARATED

VICINITY MAP

PROJECT TEAM

OWNER:
DEPARTMENT OF MOTOR VEHICLES
2415 FIRST AVE, MS: A156
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PROJECT DIRECTOR:
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CIVIL ENGINEER:
AECOM
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CONTACT: GORDON FONG

STRUCTURAL ENGINEER:
BUEHLER
600 Q STREET, SUITE 200
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LANDSCAPE ARCHITECT:
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ZNE CONSULTANT
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PHONE: (714) 567-2425
CONTACT: ABHINAY SHARMA

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING AND ALL OTHER APPLICABLE CODES AND ORDINANCES.

2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R.
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2019 CALIFORNIA GREEN CODE, PART 11, TITLE 24, C.C.R.
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
2019 TITLE 19 C.C.R., PUBLIC SAFETY, DIVISION 1 STATE FIRE MARSHAL REGULATIONS
2019 NFPA 13 (2013 CALIFORNIA EDITION), THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
2019 NFPA 14 (2013 CALIFORNIA EDITION), INSTALLATION OF STANDPIPE, PRIVATE HYDRANT, AND HOSE SYSTEMS
2019 NFPA 24 (AS AMENDED PER 2019 CBC CH. 35), INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
2019 NFPA 72 (AS AMENDED PER 2019 CBC CH. 35), NATIONAL FIRE ALARM CODE,

NOTE:

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY AHJ (AUTHORITY HAVING JURISDICITON) BEFORE PROCEEDING WITH THE REPAIR WORK.

DEFERRED APPROVAL ITEMS

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR ENGINEER, AND APPROVED BY THE APPROPRIATE APPROVING JURISDICTION.

1. FIRE SPRINKLERS
2. FIRE ALARM

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES, AGENCIES AND REGULATIONS.
2. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE. SHOULD ANY DISCREPANCIES OCCUR, NOTIFY ARCHITECT BEFORE PROCEEDING WITH WORK.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE AND SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT PRIOR TO SUBMITTALS.
4. SPECIFIC ITEMS NOTED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL NECESSARY PERMITS AND APPROVALS WITH THE CITY, COUNTY AND/OR OTHER AUTHORITIES WITH JURISDICTION ON THE PROJECT, ARE OBTAINED AND PAID FOR PRIOR TO BEGINNING WORK OR ORDERING MATERIALS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL NECESSARY PERMITS AND APPROVALS WITH THE CITY, COUNTY AND/OR OTHER AUTHORITIES WITH JURISDICTION ON THE PROJECT, ARE OBTAINED AND PAID FOR PRIOR TO BEGINNING WORK OR ORDERING MATERIALS.
6. ANY CONFLICT WITH THESE PLANS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE STATE DEPARTMENT OF GENERAL SERVICES (DGS).
7. ALL WORK SHALL BE IN COMPLETE CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OR AS OTHERWISE OUTLINED IN THE SPECIFICATIONS.
8. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT SUPPLIERS FOR POWER REQUIREMENTS, BLOCKING LOCATIONS, SUPPORT FOR EQUIPMENT, PLUMBING REQUIREMENTS AND ROUGH-IN LOCATIONS.
9. USE OF ANY NEW MATERIAL CONTAINING ASBESTOS IS PROHIBITED.
10. DETAILS, MATERIALS, AND FINISHES ARE TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
11. THE TERM "TYPICAL" (TYP) SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS DESIGNATED FOR WORK SCOPE (I.E. WITHIN THE BOUNDARIES OF THIS PROJECT).
12. ALL PRODUCTS AND/OR MANUFACTURERS INDICATED ON DRAWINGS SHALL COMPLY WITH SPECIFICATIONS AND/OR BE APPROVED IN WRITING BY THE STATE PRIOR TO ORDERING OR INSTALLATION OF MATERIAL.
13. ALL DOORS NOT LOCATED BY DIMENSIONS ON PLANS OR DETAILS SHALL BE 4" FROM FINISH WALL TO DOOR BUCK.
14. ALL DIMENSIONS ARE GIVEN FROM FACE OF CONCRETE, BLOCK, STUD, OR CENTERLINE OF PARTITION UNLESS OTHERWISE NOTED.

SYMBOLS LEGEND

SEE INDIVIDUAL SHEETS FOR ADDITIONAL SHEET SPECIFIC SYMBOLS/ LEGENDS NOW INDICATED HERE

ROOM IDENTIFICATION — ROOM NAME / 101 ROOM NUMBER
COLUMN GRID — 1 / A
BUILDING SECTION — SECTION NUMBER 1 / SHEET NUMBER A4.00
WALL SECTION — SECTION NUMBER 1 / SHEET NUMBER A4.00
DETAIL — DETAIL NUMBER 1 / SHEET NUMBER A101
CASEWORK REFERENCE — W/12 W/C IDENTIFICATION; 2'-6" W WIDTH; 30" D DEPTH
INTERIOR ELEVATION — 1A, 1B, 1C ELEVATION NUMBER; A7.50 SHEET NUMBER; 1D
EXTERIOR BUILDING ELEVATION — 1A ELEVATION NUMBER; A7.50 SHEET NUMBER
OPENING INDICATION — 101 DOOR; W01 WINDOW; L01 LOUVER
MATCH LINE
DATUM WORK POINT OR CONTROL POINT
DIMENSION MARKS
REVISION

NORTH INDICATION — N / TRUE NORTH
CEILING HEIGHTS — ROOM NAME / 101 / 10' - 0"
KEYNOTE — 1
WALL TYPE — 1i WALL TYPE NUMBER
EQUIPMENT — E*
C.F.C.I.
O.F.C.I.
O.F.O.I.
METAL
PLYWD
GYPSUM BOARD
EARTH
CONCRETE
CONCRETE BLOCK
RIGID INSULATION
WOOD, FINISH
WOOD FRAMING, THROUGH MEMBER
WOOD FRAMING, INTERRUPTED MEMBER
RATED WALLS — 1 HR RATED CONSTRUCTION; 2 HR RATED CONSTRUCTION
SEE A0.10 FOR ADDITIONAL INFORMATION

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T0.2 FIRE ACCESS PLAN
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T1.2 TITLE 24 - COMMISSIONING
T1.3 TITLE 24 - SOLAR READY AREAS
T2.1 CAL GREEN CHECKLIST
T2.2 CAL GREEN CHECKLIST
T3.3 CAL GREEN CHECKLIST

CIVIL:
C0.01 CIVIL NOTES, ABBREVIATIONS, AND LEGEND
C1.01 EROSION CONTROL PLAN
C1.02 CIVIL SITE PLAN
C1.03 HORIZONTAL CONTROL PLAN
C1.04 LINE & CURVE TABLES
C1.05 GRADING PLAN
C1.06 UTILITY PLAN
C1.07 WATER PLAN
C1.08 STORM DRAIN PLAN
C1.09 SANITARY SEWER PLAN
C1.10 PAVING PLAN
C1.11 STRIPING PLAN
C2.01 STORM DRAIN SYSTEM PLAN & PROFILE 1 OF 4
C2.02 STORM DRAIN SYSTEM PLAN & PROFILE 2 OF 4
C2.03 STORM DRAIN SYSTEM PLAN & PROFILE 3 OF 4
C2.04 STORM DRAIN SYSTEM PLAN & PROFILE 4 OF 4
C2.05 SANITARY SYSTEM - NORTH PLAN & PROFILE
C2.06 SANITARY SYSTEM - SOUTH PLAN & PROFILE
C3.01 TYPICAL CROSS SECTIONS
C4.01 ENLARGED VIEWS KEY MAP
C4.02 ENLARGED GRADING PLAN 1 OF 2
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C5.01 EROSION CONTROL DETAILS
C5.02 CIVIL SITE DETAILS
C5.03 ACCESSIBLE RAMP, PARKING AND STRIPING DETAILS
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C5.05 WATER UTILITY DETAILS 2 OF 2
C5.06 STORM DRAIN DETAILS 1 OF 2
C5.07 STORM DRAIN DETAILS 2 OF 2
C5.08 SANITARY SEWER DETAILS
C5.09 PAVEMENT DETAILS
C5.10 STRIPING DETAILS

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L3.1 LANDSCAPE IRRIGATION PLAN
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A7.00 ENLARGED FLOOR PLANS - PUBLIC RESTROOM
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A8.20 EXTERIOR DETAILS
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M1.05 MECHANICAL ROOF PLAN
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M5.02 MECHANICAL DETAILS
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E0.03 TITLE 24 FORMS
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E5.01 ELECTRICAL ONE LINE
E6.01 LIGHT FIXTURE SCHEDULE
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E7.01 ELECTRICAL LIGHTING PLAN - EM PHOTOMETRIC CALCS
E7.02 ELECTRICAL LIGHTING PLAN - INTERIOR PHOTOMETRIC CALCS
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E8.01 ELECTRICAL DETAILS
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LOW VOLTAGE/TELECOM:
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LV1.01 TELECOM SITE PLAN
LV1.02 LOW VOLTAGE FLOOR PLAN
LV1.03 LOW VOLTAGE CAMERA LOCATIONS
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FIRE PROTECTION:
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F1.02 SPRINKLER HEAD LAYOUT
F3.01 RISER SECTIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
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P 916.329.4000

No. C-27624 Dec. 31, 2021
ARCHITECT

AGENCY SUBMITTAL

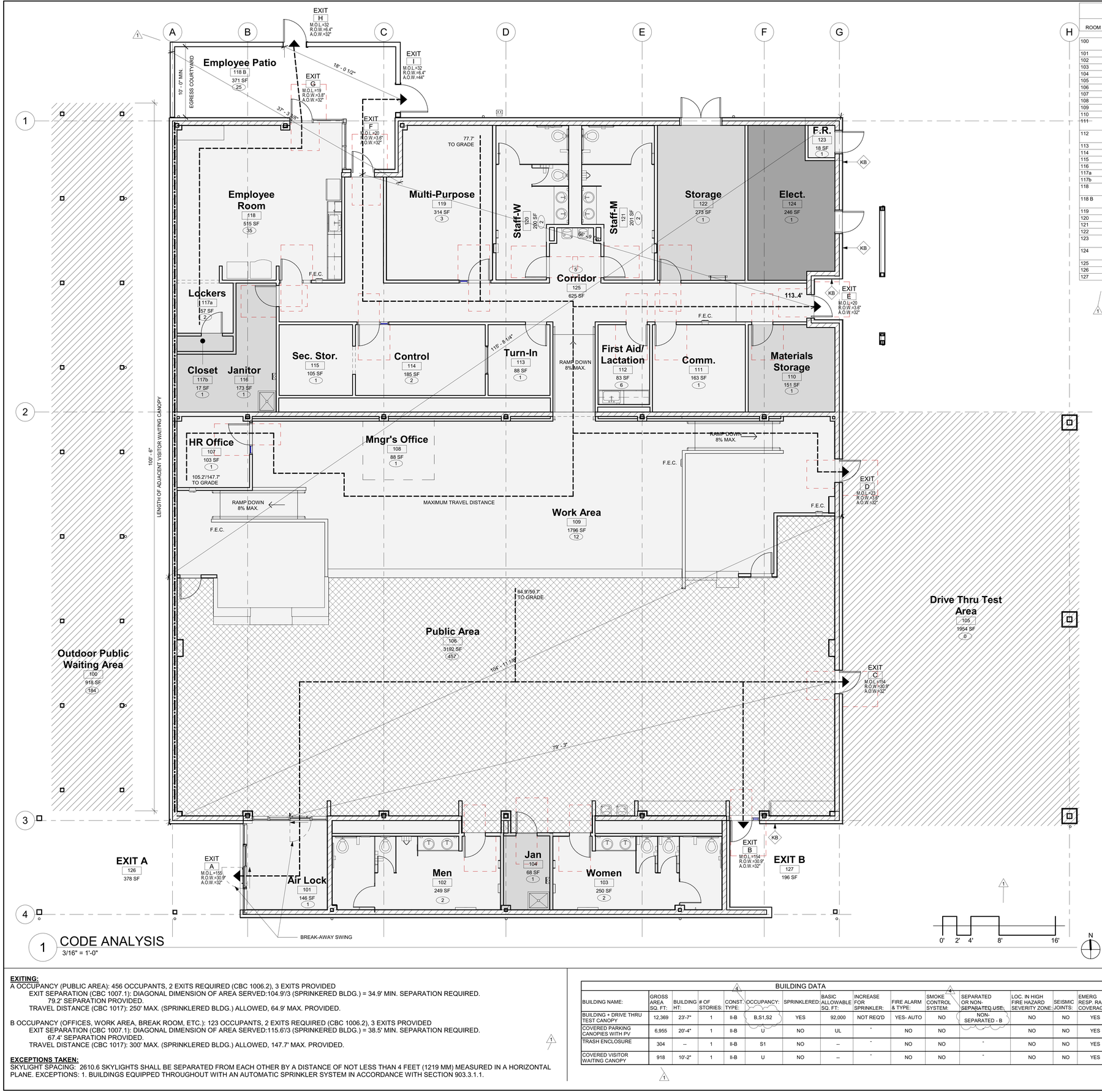
REVISIONS

NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20
2	DSA PLAN CHECK	7/15/20
4	SFM PLAN CHECK 2	12/09/20
3	CITY PLAN CHECK	8/07/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
TITLE SHEET
SHEET NO.
T0.0

ISSUE DATE: JULY 2023
V4

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



1 CODE ANALYSIS
3/16" = 1'-0"

EXITING:
A OCCUPANCY (PUBLIC AREA): 456 OCCUPANTS, 2 EXITS REQUIRED (CBC 1006.2), 3 EXITS PROVIDED
EXIT SEPARATION (CBC 1007.1): DIAGONAL DIMENSION OF AREA SERVED:104.9'/3 (SPRINKERED BLDG.) = 34.9' MIN. SEPARATION REQUIRED.
79.2' SEPARATION PROVIDED.
TRAVEL DISTANCE (CBC 1017): 250' MAX. (SPRINKLERED BLDG.) ALLOWED, 64.9' MAX. PROVIDED.

B OCCUPANCY (OFFICES, WORK AREA, BREAK ROOM, ETC.): 123 OCCUPANTS, 2 EXITS REQUIRED (CBC 1006.2), 3 EXITS PROVIDED
EXIT SEPARATION (CBC 1007.1): DIAGONAL DIMENSION OF AREA SERVED:115.6'/3 (SPRINKERED BLDG.) = 38.5' MIN. SEPARATION REQUIRED.
67.4' SEPARATION PROVIDED.
TRAVEL DISTANCE (CBC 1017): 300' MAX. (SPRINKLERED BLDG.) ALLOWED, 147.7' MAX. PROVIDED.

EXCEPTIONS TAKEN:
SKYLIGHT SPACING: 2610.6 SKYLIGHTS SHALL BE SEPARATED FROM EACH OTHER BY A DISTANCE OF NOT LESS THAN 4 FEET (1219 MM) MEASURED IN A HORIZONTAL PLANE. EXCEPTIONS: 1. BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

BUILDING DATA

BUILDING NAME:	GROSS AREA SQ. FT:	BUILDING HT:	# OF STORIES:	CONST TYPE:	OCCUPANCY:	SPRINKLERED:	BASIC ALLOWABLE SQ. FT:	INCREASE FOR SPRINKLER:	FIRE ALARM & TYPE:	SMOKE CONTROL SYSTEM:	SEPARATED OR NON-SEPARATED USE:	LOC. IN HIGH FIRE HAZARD SEVERITY ZONE:	SEISMIC JOINTS:	EMERG RESP. RADIO COVERAGE:
BUILDING + DRIVE THRU TEST CANOPY	12,369	23'-7"	1	II-B	B,S1,S2	YES	92,000	NOT REQ'D	YES- AUTO	NO	NON-SEPARATED - B	NO	NO	YES
COVERED PARKING CANOPIES WITH PV	6,955	20'-4"	1	II-B	U	NO	UL	-	NO	NO	-	NO	NO	YES
TRASH ENCLOSURE	304	--	1	II-B	S1	NO	--	-	NO	NO	-	NO	NO	YES
COVERED VISITOR WAITING CANOPY	918	10'-2"	1	II-B	U	NO	--	-	NO	NO	-	NO	NO	YES

OCCUPANT LOAD CALCULATIONS

ROOM NO.	ROOM NAME	USE	FLOOR AREA (SF UON)	OCC. LOAD FACTOR	MAX. OCCC.
100	Outdoor Public Waiting Area	ASSEMBLY (UNCONCENTRATED)	918	5	184
101	Air Lock	OFFICE	146	150	1
102	Men	OFFICE	249	150	2
103	Women	OFFICE	250	150	2
104	Jan	STORAGE	68	300	1
105	Drive Thru Test Area	NON-OCCUPIED AREA	1954	0	
106	Public Area	ASSEMBLY (CONCENTRATED)	3192	7	457
107	HR Office	OFFICE	103	150	1
108	Mngr's Office	OFFICE	88	150	1
109	Work Area	OFFICE	1796	150	12
110	Materials Storage	STORAGE	151	300	1
111	Comm.	ACCESSORY STORAGE/MECH/EQUIP RM	163	300	1
112	First Aid/ Lactation	ASSEMBLY (UNCONCENTRATED)	83	15	6
113	Turn-In	OFFICE	88	150	1
114	Control	OFFICE	185	150	2
115	Sec. Stor.	STORAGE	105	300	1
116	Janitor	STORAGE	173	300	1
117a	Lockers	LOCKER ROOMS	57	50	2
117b	Closet	STORAGE	17	300	1
118	Employee Room	ASSEMBLY (UNCONCENTRATED)	515	15	35
118 B	Employee Patio	ASSEMBLY (UNCONCENTRATED)	371	15	25
119	Multi-Purpose	OFFICE	314	150	3
120	Staff-W	OFFICE	200	150	2
121	Staff-M	OFFICE	201	150	2
122	Storage	STORAGE	273	300	1
123	F.R.	ACCESSORY STORAGE/MECH/EQUIP RM	18	300	1
124	Elect.	ACCESSORY STORAGE/MECH/EQUIP RM	246	300	1
125	Corridor	OFFICE	625	150	5
126	EXIT A	OFFICE	378	150	3
127	EXIT B	OFFICE	196	150	2
					762

LEGEND:

THIS LEGEND APPLIES TO ALL CODE ANALYSIS PLANS U.O.N.

- B OCCUPANCY
- U OCCUPANCY
- B OCCUPANCY (PUBLIC AREA)
- S2 OCCUPANCY (ELECTRICAL ROOM--NO STORAGE)
- S1 OCCUPANCY (OFFICE SUPPLIES, PRINTED MATERIALS, OFFICE CLEANING SUPPLIES)
- EXIT A — EXTERIOR EXIT OPENING
- M.O.L. — MAXIMUM OCCUPANCY LOAD
- R.O.W. — REQUIRED OPENING WIDTH
- R.O.W. — .2" x OCCUPANT LOAD OR 32" MIN.
- A.O.W. — ACTUAL OPENING WIDTH PROVIDED
- INTERIOR ROUTE OF TRAVEL, LESS THAN CODE REQUIRED MAXIMUM DISTANCE TO AN EXIT. NOTE: SEE SITE PLAN SHEET A0.00 FOR PATH OF TRAVEL TO PUBLIC WAY
- 1 HOUR FIRE-RATED CONSTRUCTION: PER CBC TABLE 722.3.2 THE PROPOSED 8" CMU WALL EXCEED THE 1-HOUR THICKNESS REQUIREMENT FOR ALL TYPES OF CONCRETE MASONRY
- F.E.C. — FIRE EXTINGUISHER CABINET
- KB — EMERGENCY KEY CABINET (KNOX BOX)

Code Analysis for use with Unseparated Occupancy per 508.3

Building Parameters	2019 CBC References
Building Occupancy #1: B: Business administration, offices, adult ed.	Chapter 3 Sections 303 through 314
Building Occupancy #2: S-1: Storage moderate hazard (and not H occ.)	Chapter 3 Sections 303 through 314
Building Occupancy #3: S-2: Storage low hazard	Chapter 3 Sections 303 through 314
Building Occupancy #4: U: Utility and Miscellaneous carports, hangers, sheds, towers	Chapter 3 Sections 303 through 314
Building Occupancy for Tabulation: B: Business administration, offices, adult ed.	Chapter 3 Sections 303 through 314
Type of Construction: II-B non-combustible	Chapter 6 Table 601
Sprinklered Y/N: Yes	Section 903
Allowable Building Height: 75	Per Table 504.3
Actual Building Height: 23.58	Height above grade in feet
Allowable Number of Stories: 4	Per Table 504.4
Actual Number of Stories: 1	Number of stories above grade
Building Perimeter: 520.5	Length of perimeter in feet
Building Perimeter w/ Frontage > 20 feet in width: 466.5	Length of perimeter in feet
Allowable Building Area: 106863.83	A_a per Tabulation Below
Actual Building Area: 12369	Cummulative gross area of all floors above grade

A_t	=	92,000	Tabular area per Table 506.2 Based on Modifiers
NS	=	23,000	Tabular area per Table 506.2 (non-sprinklered value)
F	=	466.5	Building perimeter with a frontage > 20 feet in width
P	=	520.5	Perimeter of building
I_f	=	0.646253602	506.3.3(equation 5-5)
S_s	=	1	Number of Stories (not to exceed 2 for A, E, H, I, L, R occ.)

$A_a = A_t + (NS * I_f)$ — Single Story Calculation — 506.2.1(equation 5-1)

$A_a = A_t + (NS * I_f)$

$A_a = 92000 + 23000 * 0.646254$

$A_a = 106863.8329$

$I_f = [F / P - .25] * W / 30$ — Frontage Increase (where used) — 506.3.3(equation 5-5)

I_f	=	[F / P - .25] * W / 30	
I_f	=	466.5 / 520.5 - .25] * 30 / 30	
I_f	=	0.646253602	

$W=(L_1*w_1+L_2*w_2+L_3*w_3+L_4*w_4+L_5*w_5+L_6*w_6+L_7*w_7+L_8*w_8)/F$ — 506.1 (equation 5-4)

L_1		466.5	Length 1 (with frontage > 20')
w_1		30	Actual frontage width of Length 1
L_2			Length 1 (with frontage > 20')
w_2			Actual frontage width of Length 1
L_3			Length 1 (with frontage > 20')
w_3			Actual frontage width of Length 1
L_4			Length 1 (with frontage > 20')
w_4			Actual frontage width of Length 1
L_5			Length 1 (with frontage > 20')
w_5			Actual frontage width of Length 1
L_6			Length 1 (with frontage > 20')
w_6			Actual frontage width of Length 1
L_7			Length 1 (with frontage > 20')
w_7			Actual frontage width of Length 1
L_8			Length 1 (with frontage > 20')
w_8			Actual frontage width of Length 1
W	=	30	(Where W>30, use 30)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

No. C-27624 Dec 31, 2021
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20
4	SFM PLAN CHECK 2	12/09/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
CODE ANALYSIS PLAN
SHEET NO.
T0.1

ISSUE DATE: JULY , 2020 V3

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

1 FIRE ACCESS PLAN
1" = 20'

LEGEND:

- POLE MOUNTED LIGHT
- DRAIN INLET
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- ELECTRICAL AND COMMUNICATION VAULT
- PARKING BUMPER
- STEEL BOLLARD
- PROPERTY LINE

NORTH

0 20' 40'
SCALE: 1" = 20'

Kern County Fire Depart
Permit

2820 M St., Bakersfield, CA 93301
Telephone (661) 391-3310 Fax (661) 636-0466 or 636-0467
Website: kerncountyfire.org

Permit Number	2019-FT-020	Date of Permit	12/18/2019
Type of Permit	Flow Test	Station No.	
Project Name	DMV Delano Facility	Inspection Number	
Project Street Address	Morse St./Dover Parkway	Assessor's Number	
		City	Delano
Description of Project	Hydrant Flow Test		

NOTE: KCFD REQUIRES TWO (2) FULL WORKING DAYS NOTICE FOR INSPECTION.

Issued to: (Applicant)	Gordon Fong	App. Ph. No.	(916) 679-2245
Contractor/Company	AECOM	Cont. Ph. No.	(916) 679-2245
Business Address Contractor/Company	2020 L Street, Suite 400	Fax No.	
City, State, Zip	Sacramento, CA 95811		
License No.			

Fee Code 5280

THIS PERMIT DOES NOT TAKE THE PLACE OF ANY LICENSE REQUIRED BY LAW. PERMIT IS NOT TRANSFERABLE*THIS IS NOT A FIRE AND LIFE SAFETY CLEARANCE

Plans Approved Signature
Project Final Signature
Final Inspection Date 01/17/2020

For Office Use Only
Date Picked Up
Date Faxed
Date Mailed
Date Paid 12/18/2019
Amount Paid $520.00

THIS PERMIT MUST AT ALL TIMES BE POSTED ON THE PREMISES MENTIONED ABOVE
This Permit will expire if an inspection is not requested within 180 days.
KCFD 205 Rev. 6/15

Office Memorandum • Kern County Fire Department

To AECOM Attn: Gordon Fong **Date:** 01/17/2020
From: Fire Prevention
Subject: New Hydrant Installation **Phone:** 661-862-8750

A new hydrant has been installed at Morse St. / Dover Pwy
A flow test has been performed with the following results:
APN# Permit # 2019-FT-020

Static 69
Residual 55
GPM 2770

White - Station
Canary - Graphics/Planning
Pink - BFD
FIRE 580 2415 246 (3/01)

Emailed to gordon.fong@aecom.com

HYDRANT FLOW TEST:

PERFORMED ON: JANUARY 17, 2020

1

STATE OF CALIFORNIA — NATURAL RESOURCES AGENCY Gavin Newsom, Governor

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
Office of the State Fire Marshal
P.O. Box 944246 SACRAMENTO,
CA 94244-2460 (916) 568-2993
Website: www.osfm.fire.ca.gov

LOCAL FIRE AUTHORITY – ACCESS APPROVAL

Agency & Project Name: California Department of Motor Vehicles (DMV) - Delano
Address: 448 Dover Parkway, Delano, CA APN: 521-030-072
GovMotus Control Number: 20-1059

Pursuant to CCR Title 19 §3.00 and §3.05, the California State Fire Marshal is requesting certification from the local fire authority that the above sections are met to their satisfaction.

This form shall be scanned to the accompanying fire access plan reflecting all items under consideration, and wet signed by the local fire authority. Please complete all applicable items based on scope. California State Fire Marshal project approval may be delayed until this form is completed and returned. If you have any questions, please contact the California State Fire Marshal Plan Review Section at (916) 568-2993.

Approved	Yes	No
Fire Department Access	✓	
Fire Department Connection	✓	
Fire Hydrant	✓	
Fire Alarm Annunciator	✓	
Fire Alarm Control Panel	✓	
Knox Box	✓	
Emergency Responder Radio Coverage		✓
Medical Emergency Service Elevator		✓
Fire Service Access Elevator		✓
Bi-Directional Amplification (BDA) Systems		✓

Local Fire Authority: Kern County Fire Department
Address: 2820 M St.
City/State/ZIP: Bakersfield, CA 93301

Approval issued by: REGINA ARRIAGA
Rank/Title: FIRE INSPECTOR II
Phone Number: (661) 391-3310
Signature: [signature] **Date:** 01/17/2020

"The Department of Forestry and Fire Protection serves and safeguards the people and protects the property and resources of California."

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

GORDON HO-MAN FONG
C 87304
CIVIL
STATE OF CALIFORNIA
10/15/2021

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20
1	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

FIRE ACCESS PLAN

SHEET NO.

T0.2

ISSUE DATE: JULY 2023

STATE OF CALIFORNIA
Nonresidential Building Commissioning
NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

Table Continued

	The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.	Do the Design Reviewer(s) meet these qualifications? YES	NO
03	In addition, for buildings with ≥ 10,000 ft² but < 50,000 ft², the design reviewer(s) shall be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect, or contractor.	◉	○
04	The design reviewer(s) for this project will be:	Chris Taylor, AIA	

Preliminary Construction Schedule

		Start Date	Completion Date
05	Schematic Design	2018-06-01	2018-08-01
06	Design Development	2018-09-25	2018-12-21
07	Construction Documents	2019-08-28	2020-02-20
08	Construction	2021-03-23	2022-06-27
09	Building Turnover	2022-06-28	2023-07-28

Please proceed to Table G. to complete an Owner's Project Requirements (OPR) Document per .

G. OWNER'S PROJECT REQUIREMENTS (OPR)

Table Instructions: Complete the table below if not attaching an OPR document, or attach an OPR document to your permit application to demonstrate compliance with . If a specific field is not applicable to the project scope, put "NA." Per , the OPR is to be completed before design begins. This may be done at the Design Review Kickoff Meeting (see Table F.).

		YES	NO
01	Attaching Completed Owner's Project Requirements Document?	◉	○
02	Owner's Project Requirements Document Authors and Roles	AECOM, Nacht & Lewis	

H. BASIS OF DESIGN (BOD)

Table Instructions: Complete the table below if not attaching a BOD document, or attach a BOD document to demonstrate compliance with . If a specific field is not applicable to the project scope, put "NA". Per , the BOD should be completed and updated during the design phase.

		YES	NO
01	Attaching Completed Basis of Design Document?	◉	○
02	Basis of Design Document Authors and Roles	AECOM, Nacht & Lewis	

STATE OF CALIFORNIA
Nonresidential Building Commissioning
NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

Table Instructions: The design reviewer(s) may fill out the table below or attach a design review document that lists the items checked by the design reviewer(s) during the construction document review. For buildings with ≥ 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G.) and the Basis of Design Documents (Table H.). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F. during the Design Review Kickoff.

		YES	NO
01	Attaching Completed Design Review Documentation?	○	◉

Design Review Checklist

02	Envelope Design	Envelope design meets the details listed in the Basis of Design Sections 5.0 A, B, and C.
03	HVAC System Design	HVAC system design meets the basic requirements of the BOD. EER, IEER, efficiency ratings, and temperature recovery rates need to be verified and provided into appropriate mechanical schedules or called out on drawings.
04	HVAC Controls Design	HVAC controls design setpoints meet the BOD listed setpoints, the required listed points in the BOD, and HVAC zones match the zoning plan on M1.02
05	Indoor Lighting System Design	Indoor lighting system design matches and/or exceeds lighting requirements in BOD.
06	Indoor Lighting Controls Design	Indoor lighting controls design implements occupancy sensors, dimming switches, and daylighting to meet Title 24 requirement listed in BOD
07	Outdoor Lighting System and Controls Design	The outdoor lighting systems are controlled with a photocell in addition to an automatic time-switch control, or an astronomical time clock to meet Title 24 standards
08	Water Heating System Design	Domestic hot water is provided by electric water heaters located near point of use to remove the need for a recirculation system or listed in the BOD
09	Other Systems and Features	Photovoltaic system is listed on Electrical Site Plan Sheet E1.01. Matches requirement for planned LEED credit in BOD.

J. COMMISSIONING PLAN

Table Instructions: Complete the table below if not attaching a Commissioning Plan document, or attach a Commissioning Plan document to demonstrate compliance with . Per , the Commissioning Plan is to be started during the design phase and a completed draft must be submitted with permit application.

		YES	NO
01	Attaching Completed Commissioning Plan?	◉	○
02	Commissioning Plan Authors and Roles	Ryan Kerby, Cx Provider	

K. FUNCTIONAL PERFORMANCE TESTING

Table Instructions: Complete the table below to demonstrate compliance with functional performance testing requirements per .

	01
By checking this box, the responsible party[1] certifies that functional performance testing will be executed to demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the acceptance test requirements in , and . The functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.	☑

The following acceptance tests have been identified as applicable to the project scope:[2]

02	03

STATE OF CALIFORNIA
Nonresidential Building Commissioning
NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

This document is used to demonstrate compliance with mandatory commissioning requirements in for nonresidential buildings and hotel/motel or high-rise residential buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

A. GENERAL INFORMATION

01	Project Location (city)	Delano	04	Building Size (ft²)	12371.00000000
02	Occupancy Type	Nonresidential	05	Nonresidential Conditioned Floor Area (ft²)	10,000 - 49,999 ft²
03	Project Type	Newly constructed	06	HVAC System Type	Unitary or packaged equipment each serving one zon

B. PROJECT SCOPE

Table Instructions: Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per . Table B is not editable by the user.

Commissioning Requirements per

01	Table F: Design Review Kickoff	and	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)		The owner's project requirements establish the owner's goals, requirements, and expections for everything related to energy consumption and operation. This should be completed during schematic design.
03	Table H: Basis of Design (BOD)		The basis of design documents the design elements such as calculations and product selections that meet the owner's project requirements and applicable regulatory requirements. This should be completed during schematic design.
04	Table I: Design Review	and	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to faciliate the design review and commissioning process. For projects with ≥ 10,000 ft² of nonresidential conditioned floor area, or with complex mechanical systems, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan		The commissioning plan is developed by the commissioning provider with input from the designer and defines the scope of commissioning the project. This should be drafted during design and completed during early construction.
06	Table K: Functional Performance Testing		Functional performance testing is conducted on building systems to demonstrate correct installation and operation.
07	Table L: Documentation and Training		Documentation of the operational aspects of the building shall be completed within the Systems Manual and delivered to the building owner or representative and facilities operator.
08	Table M: Commissioning Report		A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or representative.

STATE OF CALIFORNIA
Nonresidential Building Commissioning
NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

C. COMPLIANCE RESULTS

Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per . This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
Design Review Kickoff	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	COMPLIES
10	Design Reviewer(s) for the project include:			Chris Taylor, AIA				COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table G. indicates that the Owner's Project Requirements (OPR) document is attached to the permit application.
Table H. indicates that the Basis of Design (BOD) document is attached to the permit application.
Table J. indicates that a draft commissioning plan is attached to the permit application.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DESIGN REVIEW KICKOFF MEETING

Table Instructions: Complete this table to indicate that the design reviewer meets the qualification requirements per Title 24, Part 1 Section and to demonstrate compliance with design review kickoff requirements per . This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	Jul 24, 2018
02	Meeting Attendees: (one person may play multiple roles)	

☑ Owner/ Facility Manager:	Sarah Redeen	☑ Design Reviewer(s):	Chris Taylor
☐ Project Manager:		☑ Design Architect/ Engineer(s):	Mike Smith / Gordon Fong
☐ Contractor:		☐ Certified Acceptance Test Tech(s):	
☑ Commissioning Provider:	Chris Taylor	☐ Energy/ T24 Part 6 Consultant:	

Design Reviewer Qualifications per Title 24, Part 1 Section

IDENTIFICATION STAMP
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APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

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No. C-27624 — ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
TITLE 24 - COMMISSIONING
SHEET NO.
T1.1

ISSUE DATE: JULY 2019 V3

STATE OF CALIFORNIA

Nonresidential Building Commissioning

NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Chris Taylor	Documentation Author Signature:	
Company:	3QC, Inc.	Signature Date:	2/14/2020
Address:	950 Glenn Dr, Suite 200	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Folsom, CA 95630	Phone:	916-496-8416

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Michael Parrott	Responsible Designer Signature:	
Company :	Nacht & Lewis	Date Signed:	4/9/2020
Address:	600 Q St Suite 100	License:	C 27624
City/State/Zip:	Sacramento, CA 95811	Phone:	916-329-4000

Add Responsible Person | Remove Last

STATE OF CALIFORNIA

Nonresidential Building Commissioning

NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

Table Continued

System/ Equipment to be Tested			Brief description of functional pe
Outdoor Air Handler	and alarm functions through BAS manipulation in compliance with a		No
VAV Units	Verify CO2 control (DCV), static pressure control, and alarm functions in compliance with all applicable NA7.5 standards		No
VRF System	Verify all space control functions and alarms through BAS manipulation in compliance with all applicable NA7.5 standards		No
Exhaust Fans	Verify proper interlocks and function to maintain pressure setpoints.		No
Energy Recovery Ventilator	Verify system is interlocked and functioning properly to provide efficient enthalpy recovery		No
Domestic Hot Water System	within 30 seconds. Ensure water temperature at hand washing		No
Interior Lighting Controls	switches, and daylighting) perform as intended and can be controlle		No
Outdoor Lighting Controls	addition to an automatic time-switch control, or an astronomical tin		No

The acceptance tests required by Title 24, Part 6 outline the minimum functional performance testing scope to be conducted for compliance. However, the commissioning scope may include additional functional performance tests on systems or equipment not having acceptance tests required by Title 24, Part 6.

The following additional functional performance tests have been requested by the owner or owner's representative:

06	07
System/ Equipment to be Tested	Brief description of functional performance test

Add Row | Remove Last

[1] FOOTNOTE: See the signature block on the last page of this compliance document for the responsible party.

[2] Required acceptance tests can be determined by reviewing the "Certificates of Acceptance" table on each Certificate of Compliance submitted for permit application.

L. DOCUMENTATION AND TRAINING

Table Instructions: Complete the table below to demonstrate compliance with documentation and training requirements per .

	01
By checking this box, the responsible party[1] certifies that a systems manual will be provided to the building owner or representative per .	☑
	02
By checking this box, the responsible party[1] certifies that a training of the appropriate maintenance staff for each equipment and system will be completed and documented in the commissioning report per . Training requirements should be included in the contract document in the specifications.	☑

[1] FOOTNOTE: See the signature block on the last page of this compliance document for the responsible party.

STATE OF CALIFORNIA

Nonresidential Building Commissioning

NRCC-CXR-E (Created 12/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: DMV Delano	Report Page:	
Project Address: Dover Parkway, Delano CA 93215	Date Prepared:	2020-02-

M. COMMISSIONING REPORT

Table Instructions: Complete the table below to demonstrate compliance with commissioning report requirements per .

	01
By checking this box, the responsible party[1] certifies that a complete report of commissioning process' activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or owner's representative.	☑

[1] FOOTNOTE: See the signature block on the last page of this compliance document for the responsible party.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no Certificates of Installation applicable to commissioning requirements.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Although there are no "CXR" Certificates of Acceptance required to document commissioning requirements, Certificates of Acceptance may be used to supplement functional performance testing required by .

IDENTIFICATION STAMP
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20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

REGISTERED ARCHITECT — No. C-27624 — Dec 31, 2021

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

TITLE 24 - COMMISSIONING

SHEET NO.

T1.2

ISSUE DATE: JULY, 2019 V3

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-SPV-01-E - Must be submitted for all newly installed Photovoltaic Systems (PV) being used to comply with §110.10(b)1B for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	☐	☐
○	◉	NRCI-STH-01-E - Must be submitted for all newly installed Solar Water Heating systems being used to comply with §110.10(b)1B for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to solar ready requirements.

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: DMV Delano Field Office Replacement	Report Page:	Page 4 of 4
Project Address: Dover Parkway Delano, Ca 93215	Date Prepared:	January 24, 2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Michael Smith AIA	Documentation Author Signature:	Michael E. Smith AIA (Digitally signed by Michael E. Smith AIA Date: 2020.01.24 08:52:11 -08'00')
Company:	Nacht & Lewis Architects	Signature Date:	January 24, 2020
Address:	600 Q Street Suite #100	CEA/ HERS Certification Identification (if applicable):	NA
City/State/Zip:	Sacramento, Ca 95811	Phone:	(916) 329-4000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Michael J. Parrott	Responsible Designer Signature:	Michael Parrott (Digitally signed by Michael Parrott Date: 2020.01.24 10:33:19 -08'00')
Company :	Nacht & Lewis	Date Signed:	January 24, 2020
Address:	600 Q Street Suite #100	License:	C-27624
City/State/Zip:	Sacramento, Ca 95811	Phone:	(916) 329-4000

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: DMV Delano Field Office Replacement	Report Page:	Page 1 of 4
Project Address: Dover Parkway Delano, Ca 93215	Date Prepared:	January 24, 2020

This document is used to demonstrate compliance with mandatory requirements in §110.10 for newly constructed buildings which are either high-rise multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance for additions to these building types which add more than 2,000 ft² of roof area. Alterations or additions of less than 2,000 ft² of roof area are not required to comply with §110.10.

A. GENERAL INFORMATION

01	Project Location (city)	Delano	04	Building Type	Other nonresidential bldg 3 stories or fewer
02	Climate Zone	13	05	Construction Type	New Construction
03	☐ Roof is designed for vehicle traffic, parking or for heliport				

B. PROJECT SCOPE

Table Instructions: Select the compliance path the project is using to comply per §110.10(b)1B.

My project consists of (check one):

	01
☐ Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.
☑ Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area, as documented in Table G.
☐ Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with §150.1(c)8Biii and Reference Residential Appendix RA4, as documented in Table H.
☐ Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a high-rise multifamily occupancy where all thermostats in each dwelling unit comply with §110.12(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	09
Required Minimum Area (ft²)	≤	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	≤	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	≤	Designed/ Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)				(See Table G)				(See Table H)				(See Table I)		
	≤		OR	13,495.52	≤	75,000	OR		≤		OR			COMPLIES
				Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).										Not Applicable

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: DMV Delano Field Office Replacement	Report Page:	Page 2 of 4
Project Address: Dover Parkway Delano, Ca 93215	Date Prepared:	January 24, 2020

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ALLOCATED SOLAR ZONE

This Section Does Not Apply

G. PERMANENTLY INSTALLED SOLAR PHOTOVOLTAIC (PV) SYSTEM

Table Instructions: Complete this table if the project is installing a PV system to comply with §110.10(b)1B Exception 1.

01	02	03	04	05	
Total Roof Area[1] (ft²)	Required Minimum DC Power Rating (Watts)	Designed System DC Power Rating (Watts)	Location in Construction Documents showing PV System/ Components	Field Inspector Pass	Field Inspector Fail
13,495.52	13,495.52	75000	Single Line / E5.01	☐	☐

[1] *FOOTNOTES: Newly Constructed Projects should report total roof area; Additions should report newly added roof area.*

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEM

This Section Does Not Apply

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
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OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
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20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

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ARCHITECT
No. C-27624

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
TITLE 24 - SOLAR READY AREAS
SHEET NO.
T1.3

ISSUE DATE: JULY ... 2019 V3

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.106.10	**5.106.10 Grading and paving.**				
5.106.10	Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include those shown in Items 1–5. 1. Swales. 2. Water collection and disposal systems. 3. French drains. 4. Water retention gardens. 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. **Exception:** Additions and alterations not altering the drainage path.	Civil	C1.05, C1.10, C4.02, C4.03	Grading plan showing drainage pattern is shown on drawing C1.05. Enlarged grading plans are shown on drawing C4.02 and C4.03. Paving plan is shown on drawing C1.10.	Closed
5.106.12	**5.106.12 Shade trees.**				
5.106.12	Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6. **5.106.12.1 Surface parking areas.** Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years. **Exceptions:** The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation. **5.106.12.2 Landscape areas.** Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years. **Exceptions:** Playfields for organized sport activity are not included in the total area calculation. **5.106.12.3 Hardscape areas.** Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years. **Exceptions:** Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.	Landscape	NA	This applicable to schools only.	NA
Div 5.2:	**Energy Efficiency**				
	Performance Requirements for Newly Constructed Buildings and Additions				
5.201.1	**5.201.1 Scope.**				
5.201.1	Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.[1]	Sustainability	Energy report	This will be achieved via Net Zero	Closed
Div 5.3:	**Water Efficiency and Conservation**				
	Indoor Water Use				
5.303.1	**5.303.1 Meters.**				
5.303.1	Separate meters shall be installed for the uses described in Sections 5.303.1.1 and 5.303.1.2. **5.303.1.1 New buildings** or additions in excess of 50,000 square feet. Separate submeters shall be installed as follows: 1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day, including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop. 2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems: a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s) b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s) c. Steam and hot-water boilers with energy input more than 500,000 Btu/h (147 kW) **Note:** There are exceptions in Section 5.303.1.1 Item 2 for make-up water for cooling towers, evaporative coolers, and steam and hot water boilers.	Plumbing	NA	The building is <50,000 SF.	NA
	AND				
	5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or an addition that is projected to consume more than 1,000 gal/day (3800 L/day).	Plumbing	NA	Not applicable. No tenant space.	NA

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.303.3	**5.303.3 Water conserving plumbing fixtures and fittings.**				
5.303.3	Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following: **5.303.3.1 Water closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets. **Note:** The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.	Plumbing	P6.01	WCs will be 1.1.gpf.	Closed
	AND				
	5.303.3.2.1 Wall-mounted urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.	Plumbing	P6.01	Urinals: 0.125 gpf	Closed
	5.303.3.2.2 Floor-mounted urinals. The effective flush volume of floor-mounted urinals shall not exceed 0.5 gallons per flush.	Plumbing	NA	Not present.	NA
	AND				
	5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.	Plumbing	NA	Not present.	NA
	5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time. **Note:** A hand-held shower shall be considered a showerhead.	Plumbing	NA	Not present.	NA
	AND				
	5.303.3.4.1 Nonresidential lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.	Plumbing	P6.01	Public lavatory facucets:0.5 gpm	Closed
	5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.	Plumbing	P6.01	Kitchen Faucet: 1.5gmp	Closed
	5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].	Plumbing	NA	Not present	NA
	5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.	Plumbing	NA	Not present.	NA
	5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 [rim space (inches) at 60 psi]. **Note:** Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.	Plumbing	NA	Not present.	NA
A5.303.3	**A5.303.3 Appliances and fixture commercial application.**				
A5.303.3	Appliances and fixtures shall meet the following: 1. Clothes washers shall have a maximum Water Factor (WF) that will reduce the use of water by 10 percent below the California Energy Commissions' WF standards for commercial clothes washers located in Title 20 of the *California Code of Regulations*.	Plumbing	NA	Not present.	NA
	2. Dishwashers shall meet the criteria in Section A5.303.3(2)(a) and (b). A5.303.3(2)(b) Commercial— Shall be in accordance with ENERGY STAR requirements. Refer to Table A5.303.3	Architecture (Contractor Specifications)	NA	Will be written into specifications	NA
	3. Ice makers shall be air cooled.	Architecture (Contractor	NA	Will be written into specifications	NA
	4. Food steamers shall be connectionless or boilerless . and shall consume no more than 2 gallons of water per pan per hour, including condensate water, for batch type steamers, and no more than 5 gallons of water per pan per hour, including condensate water, for cook to order steamers.	Plumbing	NA	Not present.	NA
	5. The use and installation of water softeners that discharge to the community sewer system may be limited or prohibited by local agencies if certain conditions are met.	Plumbing	NA	Not present.	NA
	6. Combination ovens shall use a maximum of 1.5 gallons of water per hour per pan, including condensate water.	Plumbing	NA	Not present.	NA
	7. Commercial pre-rinse spray valves manufactured on or after January 1, 2006 shall function at equal to or less than 1.6 gpm (0.10 L/s) at 60 psi (414 kPa) and a. Be capable of cleaning 60 plates in an average time of not more than 30 seconds per plate b. Be equipped with an integral automatic shutoff c. Operate at static pressure of at least 30 psi (207 kPa) when designed for a flow rate of 1.3 gpm (0.08 L/s) or less	Plumbing	NA	Not present.	NA

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST

DMV Delano -95%

2/14/2020

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
	Requirements				
	Project meets all of the requirements of Divisions 5.1 through 5.5.				
5.106	**Site Development**				
5.106.1	**5.106.1 Storm water pollution prevention (< 1 acre).**				
5.106.1	Newly constructed projects and additions which disturb less than one acre of land and are not part of a larger common plan of development or sale shall pre- vent the pollution of stormwater runoff from the construction activities through local ordinance in Section 5.106.1.1 **5.106.1.1 Local ordinance.** Comply with a lawfully enacted storm-water management and/or erosion control ordinance.	Civil	Drawing C1.01, C5.01, and C5.02 Specification Section 015723	Complying with California Construction General Permit as identified in drawing C1.01, C5.01, C5.02, and specification section 01 57 23.	Closed
	OR				
	5.106.1.2 Best management practices (BMP). Best management practices (BMP) in Section 5.106.1.2.	Civil	Drawing C1.01, C5.01, and C5.02	Erosion and sedementation plans are provided in C1.01, C5.01, and C5.02 identifying site BMPs	Closed
5.106.4	**5.106.4 Bicycle parking.**				
5.106.4	**5.106.4.1 Bicycle parking. [BSC-CG]** Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter. **5.106.4.1.1 Short-term bicycle parking.** If the new project or addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack. **Exception:** Additions or alterations which add nine or fewer visitor vehicular parking spaces.	Architecture	A0.00	There is no differentiation between employee and customer parking. Therefore 5% of the total parking will be provided. 80 carpark (total); 5% of 80 = 4 bicycle parking Parking will be provided in form of secure cycle lockers which are covered and lockable.	Closed
5.106.4	**5.106.4.1.2 Long-term bicycle parking (new buildings).** For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. **5.106.4.1.3 Long-term bicycle parking (additions/alterations).** For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, pro- vide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility. **5.106.4.1.4 Long-term bicycle parking (shell buildings).** For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. **5.106.4.1.5 Acceptable bicycle parking facility.** For Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 parking facilities shall be convenient from the street and shall meet one of the following: 1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers. **Note:** Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.	Architecture	A0.00		

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.106.5	**5.106.5.2 Designated parking.**				
5.106.5	In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/ van pool vehicles as shown in Table 5.106.5.2. **5.106.5.2.1 Parking stall marking.** Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR/ VANPOOL/EV **Note:** Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.	Architecture	A0.00 and A12.00	Need 8 Designated parking 'Clean air/vanpool/EV'. EV ready spots count as designated parking. The following provision has been made: - 2 x EV spots - 3 EV ready spots labelled as "Clean air/vanpool/EV" - 5 Low emitting vehicle parking labelled as "low emitting/green vehicle/clean air"	Closed
A5.106.5	**A5.106.5.3 Electric vehicle (EV) charging.**				
5.106.5	**5.106.5.3 Electric vehicle (EV) charging. [N]** Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). **5.106.5.3.1 Single charging space requirements. [N]** **OR** **5.106.5.3.2 Multiple charging spaces requirements. [N]** **5.106.5.3.3 EV charging space calculation. [N]** per Table 5.106.5.3.3 (approx. 6%)	Architecture	A0.00 and A12.00	Need 5 EV or EV ready spots. The following provision has been made: - 2 x EV spots : - 3 EV ready spots labelled as "Clean air/vanpool/EV" - 5 Low emitting vehicle parking "low emitting/green vehicle/clean air"	Closed
5.106.5	**5.106.5.3.4 [N] Identification.** The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."	Elec	E 1.01		
5.106.5	**5.106.5.3.5 [N] Future charging spaces.** Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.	Architecture	A0.00 and A12.00	As above.	Closed
5.106.8	**5.106.8 Light pollution reduction. [N]**				
5.106.8	Outdoor lighting systems shall be designed and installed to comply with the following: 1. The minimum requirements in the *California Energy Code* for Lighting Zones 1–4 as defined in Chapter 10, Section 10-114 of the *California Administrative Code* ; and 2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8); 3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and 4. Allowable BUG ratings not exceeding those shown in Table 5.106.8 [N] **Exceptions: [N]** 1. Luminaires that qualify as exceptions in Section 140.7 of the *California Energy Code* 2. Emergency lighting 3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction **Notes: [N]** 1. See also *California Building Code* , Chapter 12, Section 1205.7 for college campus lighting requirements for parking facilities and walkways. 2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A- 1, *California Energy Code* Tables 130.2-A and 130.2-B. 3. Refer to the *California Energy Code* for requirements for additions and alterations.	Electrical	E 6.01 Cutsheets	Outdoor light fixtures meet all three requirements by Cal Green. Refer to sheet E6.01 for lighting fixture schedule. Refer to light fixtures cut-sheets for BUG ratings.	Closed
	OR				
	Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.	Electrical	NA	Above route shall be complied with	NA

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DIV. OF THE STATE ARCHITECT
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SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

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12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
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Exp. 01-2021

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

CAL GREEN CHECKLIST

SHEET NO.

T2.1

ISSUE DATE: JULY , 2020 V3

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.410.2	**5.410.2.1 Owner's Project Requirements (OPR). [N]** Documented before the design phase of the project begins the OPR shall include items listed in Section 5.410.2.1. 1. Environmental and sustainability goals. 2. Building sustainable goals. 3. Indoor environmental quality requirements. 4. Project program, including facility functions and hours of oper-ation, and need for afterhours operation. 5. Equipment and systems expectations. 6. Building occupant and O&M personnel expectations.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed
5.410.2	**5.410.2.2 Basis of Design (BOD). [N]** A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project to cover the systems listed in Section 5.410.2.2. 1. Renewable energy systems. 2. Landscape irrigation systems. 3. Water reuse systems.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed
5.410.2	**5.410.2.3 Commissioning plan. [N]** A commissioning plan describing how the project will be commissioned shall include items listed in Section 5.410.2.3. 1. General project information. 2. Commissioning goals. 3. Systems to be commissioned. Plans to test systems and components shall include: a. An explanation of the original design intent. b. Equipment and systems to be tested, including the extent of tests. c. Functions to be tested. d. Conditions under which the test shall be performed. e. Measurable criteria for acceptable performance. 4. Commissioning team information. 5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed
5.410.2	**5.410.2.4 [N] Functional performance testing** Functional performance testing shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed
5.410.2	**5.410.2.5 Documentation and training. [N]** A Systems manual and systems operations training are required. **5.410.2.5.1 Systems manual. [N]** The systems manual shall be delivered to the building owner or representative and facilities operator and shall include the items listed in Section 5.410.2.5.1. 1. Site information, including facility description, history and current requirements. 2. Site contact information. 3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log. 4. Description of major systems. 5. Site equipment inventory and maintenance notes. 6. A copy of all special inspection verifications required by the enforcing agency or this code. 7. Other resources and documentation, if applicable.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
	AND **5.410.2.5.2 Systems operations training. [N]** A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and shall include items listed in Section 5.410.2.5.2.: 1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces). 2. Review and demonstration of servicing/preventive maintenance. 3. Review of the information in the systems manual. 4. Review of the record drawings on the system/equipment.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed
5.410.2	**5.410.2.6 Commissioning report. [N]** A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed
5.410.4	**5.410.4 Testing and adjusting.**				
5.410.4	Testing and adjusting of systems shall be required for buildings less than 10,000 square feet. Applies to new systems serving additions or alterations.	CxA	SPEC 01 91 13	The requirement is written into specifications.	Closed
	5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include, as applicable to the project. 1. Renewable energy systems. 2. Landscape irrigation systems. 3. Water reuse systems.	CxA	SPEC 01 91 14	The requirement is written into specifications.	Closed
	5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with applicable standards on each system as determined by the enforcing agency.	CxA	SPEC 01 91 15	The requirement is written into specifications.	Closed
	5.410.4.3.1 HVAC balancing. Before a new space-conditioning system serving a building or space is operated for normal use, balance in accordance with the procedures defined by national standards listed in Section 5.410.4.3.1 or as approved by the enforcing agency.	CxA	SPEC 01 91 16	The requirement is written into specifications.	Closed
	5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.	CxA	SPEC 01 91 17	The requirement is written into specifications.	Closed
	5.410.4.5 Operation and maintenance manual. Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection.	CxA	SPEC 01 91 18	The requirement is written into specifications.	Closed
	5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.	CxA	SPEC 01 91 19	The requirement is written into specifications.	Closed
Div 5.5:	**Environmental Quality**				
	Fireplaces				
5.503.1	**5.503.1 Fireplaces.**				
5.503.1	Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace or a sealed woodstove and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150.	Mechanical	NA	There are no fireplaces.	NA
5.503.1	**5.503.1.1 Woodstoves.** Woodstoves shall comply with US EPA New Source Performance Standards (NSPS) emission limits, where applicable, and shall have a permanent label indicating they are certified to meet the emission limits.	Mechanical	NA	There are no woodstoves.	NA
	Pollutant Control				
5.504.1	**5.504.1 Temporary ventilation.**				
5.504.1	If the HVAC system is used during construction, use return air filters with a MERV of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy. Applies to additions or alterations.	Mechanical (Contractor Specifications)	5.504	These requirements are written into contractor specs.	Closed

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
	8. Food waste pulping systems shall use no more than 2 gpm of potable water. 8.1. Note: potable water excludes on-site graywater use, such as dishwasher discharge water.	Plumbing	NA	Not present.	NA
5.303.6	**5.303.6 Standards for plumbing fixtures and fittings.**				
5.303.6	Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code* , and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.	Plumbing	P0.01	Will be met.	Closed
	Outdoor Water Use				
5.304.1	**5.304.1 Outdoor potable water use in landscape areas (nonresidential).**				
5.304.1	Nonresidential developments shall comply with a local water efficient landscape ordinance	Landscape	NA	The below route will be followed for compliance	NA
	OR Comply with the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. **Notes:** 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the *California Code of Regulations* , Title 23, Chapter 2.7, Division 2. 2. MWELO and supporting documents, including a water budget calculator, are available at: https:// www.water.ca.gov/.	Landscape	L 5.1	The design will comply with MWELO	Closed
	Water Reuse Systems				
5.305.1	**5.305.1 Recycled water supply systems.**				
5.305.1	Recycled water supply systems shall be installed in accordance with Sections 5.305.1.1, 5.305.1.2, and the *California Plumbing Code* .	Plumbing	NA	There is no recycled water supply.	NA
	5.305.1.1 Outdoor recycled water supply systems. All newly constructed nonresidential developments, where disinfected tertiary recycled water is available from a municipal source to a construction site, shall be provided with both a potable water supply system and a recycled water supply system. The recycled water supply system shall allow the use of reclaimed (recycled) water for aboveground and subsurface irrigation to all landscape irrigation systems. When a recycled water supply pipe is located within 300 feet from a construction site boundary, it shall be considered that reclaimed (recycled) water is available from a municipal source. **Exceptions:** 1. Service areas in which the only reclaimed (recycled) water is used for potable purposes, or in which net nonpotable deliveries are anticipated to remain level or decrease as a result of the potable reuse project. 2. Where access to disinfected tertiary recycled water is not feasible and/or cost-efficient, as determined by the authority having jurisdiction in consultation with the recycled water purveyor. 3. A potable water supply system is not required for landscape irrigation if the landscape irrigation system is supplied with recycled water at the time of final inspection. 4. Potable water may be used with the recycled water supply system on a temporary basis, as allowed by the authority having jurisdiction in consultation with the recycled water purveyor.	Plumbing	NA	There is no recycled water supply.	NA
	5.302.1.2 Technical requirements for outdoor recycled water supply systems. Recycled water supply systems for outdoor applications shall meet the requirements of this code, and the *California Code of Regulations* , Title 17, Division 1, Chapter 5, Subchapter 1; Title 22, Division 4, Chapter 3; and Title 23, Division 2, Chapter 2.7, as applicable.	Plumbing	NA	There is no recycled water supply.	NA
Div 5.4:	**Material Conservation and Resource Efficiency**				
	Weather Resistance and Moisture Management				
5.407.1	**5.407.1 Weather protection.**				
5.407.1	Provide a weather-resistant exterior wall and foundation envelope as required by *California Building Code* , Section 1402.2, manufacturer's installation instructions or local ordinance, whichever is more stringent.	Architecture	A3.00, A3.10, A4.00, A4.01, A4.02, A8.00 AND A8.20 thru A8.23	Will be met.	Closed

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.407.2	**5.407.2 Moisture control.**				
5.407.2	Employ moisture control measures by the following methods: **5.407.2.1 Sprinklers.** Design and maintain landscape irrigation systems to prevent irrigation spray on structures.	Landscape	NA	There are no sprinklers. All irrigation is sub-surface drip or bubbler.	NA
	AND **5.407.2.2 Entries and openings.** Design exterior entries and openings to prevent water intrusion into buildings as follows. **5.407.2.2.1 Exterior door protection.** Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following: 1. An installed awning at least 4 feet in depth. 2. The door is protected by a roof overhang at least 4 feet in depth. 3. The door is recessed at least 4 feet. 4. Other methods which provide equivalent protection.	Architecture	A1.02, A2.00, A6.00, A8.10 AND A8.11	Will be met.	Closed
	AND **5.407.2.2.2 Flashing.** Install flashings integrated with a drainage plane.	Architecture	A3.00, A3.10, A4.00, A4.01, A4.02, A8.00 AND A8.20 thru A8.25	Will be met.	Closed
	Construction Waste Reduction, Disposal and Recycling				
5.408.1	**5.408.1 Construction waste management.**				
5.408.1	Newly-constructed projects and additions and alterations to existing buildings shall recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition debris, or meet a local construction and demolition waste management ordinance, whichever is more stringent. Calculate the amount of materials diverted by weight or volume, but not by both. **5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that complies with Items 1 through 4 of this section. 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. **OR** Meet a local construction and demolition waste management ordinance, whichever is more stringent.	Contractor Specifications	01 74 19	This will be written into contractor specs - 01 74 19 - Construction Waste Management.	Closed
	OR **5.408.1.2 Waste management company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction waste material diverted from the landfill complies with this section. **Exceptions** to Sections 5.408.1.1 and 5.408.1.2: 1. Excavated soil and land-clearing debris 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist. 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets	Contractor Specifications	NA	The above alternative will be pursued	NA

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
	OR **5.408.1.3 Waste stream reduction alternative.** The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 50 percent minimum requirement as approved by the enforcing agency.	Contractor Specifications	NA	The above alternative will be pursued.	NA
5.408.1	**5.408.1.4 Documentation.** Provide documentation of the waste management plan that meets the requirements listed in Sections 5.408.1.1 through 5.408.1.3, and the plan is accessible to the enforcement authority.	Contractor Specifications	01 74 19	This will be written into contractor specs - 01 74 19 - Construction Waste Management.	Closed
5.408.3	**5.408.3 Excavated soil and land clearing debris.**				
5.408.3	100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. **Exception:** Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.	Contractor Specifications	31 10 00	This will be written into contractor specs - 31 10 00 - Site Clearing	Closed
	Life Cycle Assessment				
	Building Maintenance and Operation				
5.410.1	**5.410.1 Recycling by occupants.**				
5.410.1	Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of nonhazardous materials including **organic waste** for recycling.[1] **Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.	Architecture	A0.00 AND A10.00	Recycled waste storage including organic waste will be provided.	Closed
	5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act). **Note:** A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.	Architecture	See comments	This will as per Kern County requirements :https://library.municode.com/ca/kern_county/codes/code_of_ordinances?nodeId=STRECACO	Closed
5.410.2	**5.410.2 Commissioning. [N]**				
5.410.2	For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated by the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply. Commissioning requirements shall include items listed in Section 5.410.2.. **Note:** For energy-related systems under the scope (Section 100) of the *California Energy Code* , including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to *California Energy Code* Section 120.8 for commissioning requirements. **Exceptions:** 1. Unconditioned warehouses of any size 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses 3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1. 4. Open parking garages of any size, or open parking garage areas of any size, within a structure.	CxA	SPEC 01 91 13	This will be complied with and written into Specs.	Closed

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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REGISTERED ARCHITECT
No. C-27624
Dec 31, 2021
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

CAL GREEN CHECKLIST

SHEET NO.

T2.2

ISSUE DATE: JULY ...2020

V3

ONE INCH = TWENTY FEET
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
	Environmental Comfort				
5.507.4	**5.507.4 Acoustical control.**				
5.507.4	Employ building assemblies and components with STC values determined in accordance with ASTM E90 and ASTM E413 or OITC determined in accordance with ASTM E1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2. **Exception:** Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings. **5.507.4.1 Exterior noise transmission, prescriptive method.** Wall and floor-ceiling assemblies exposed to the noise source making up the building envelope shall have exterior wall and roof ceiling assemblies meeting a composite STC rating of at least 50 or a composite OITC rating of no less than 40 with exterior windows of a minimum STC of 40 or OITC of 30 in the locations described in Items 1 and 2. Also applies to addition envelope or altered envelope. **5.507.4.1.1 Noise exposure where noise contours are not readily available.** Buildings exposed to a noise level of 65 dB Leq·1Hr during any hour of operation shall have exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30). Also applies to addition or alteration exterior wall.	Architecture (Acoustician)	NA	5.507.4 applies if you are within the 65CNEL contour. The two local sources for this would be the airport across the freeway and the 99 freeway. As per documents from Kern County, the development is beyond the 65 CNEL contour.	NA
	OR				
	5.507.4.2 Performance method. For buildings located as defined in Sections AS.507.4.1 or AS.507.4.1.1, wall and roof-ceiling assemblies making up the building envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq·1Hr) of 50 dBA in occupied areas during any hour of operation. Also applies to addition envelope or altered envelope. **5.507.4.2.1 Site features.** Exterior features such as sound walls or earth berms may be utilized as appropriate to the project to mitigate sound migration to the interior. Also applies to addition envelope or altered envelope. **5.507.4.2.2 Documentation of compliance.** An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.	Architecture (Acoustician)	NA	As above.	Closed
5.507.4	**5.507.4.3 Interior sound transmission.** Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.	Architecture (Acoustician)	A1.00 and A8.00	Will be met.	Closed
	Outdoor Air Quality				
5.508.1	**5.508.1 Ozone depletion and global warming reductions.**				
5.508.1	Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2. **5.508.1.1 CFCs.** Install HVAC and refrigeration equipment that does not contain CFCs.	Mechanical	M6.01	This will be met.	Closed
	AND				
	5.508.1.2 Halons. Install fire suppression equipment that does not contain Halons.	Mechanical	M6.01	This will be met.	Closed
5.508.2	**5.508.2 Supermarket refrigerant leak reduction.**				
5.508.2	New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global- warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities. **Exception:** Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO2), and potentially other refrigerants.	Mechanical	NA	Not applicable.	NA

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.508.2	**5.508.2.1 Refrigerant piping.** Piping compliant with the *California Mechanical Code* shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below. **5.508.2.1.1 Threaded pipe.** Threaded connections are permitted at the compressor rack. **5.508.2.1.2 Copper pipe.** Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less. **5.508.2.1.2.1 Anchorage.** 1/4 inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils. **5.508.2.1.3 Flared tubing connections.** Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil. **Exception:** Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations. **5.508.2.1.4 Elbows.** Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.	Mechanical	NA	Not applicable.	NA
5.508.2	**5.508.2.2 Valves.** Valves and fittings shall comply with the *California Mechanical Code* and as follows. **5.508.2.2.1 Pressure relief valves.** For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve. **5.508.2.2.1.1 Pressure detection.** A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve. **5.508.2.2.2 Access valves.** Only Schrader access valves with a brass or steel body are permitted for use. **5.508.2.2.2.1 Valve caps.** For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic. **5.508.2.2.2.2 Seal caps.** If designed for it, the cap shall have a neoprene O-ring in place. **5.508.2.2.2.2.1 Chain tethers.** Chain tethers to fit over the stem are required for valves designed to have seal caps. **Exception:** Valves with seal caps that are not removed from the valve during stem operation.	Mechanical	NA	Not applicable.	NA
5.508.2	**5.508.2.3 Refrigerated service cases.** Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances. **5.508.2.3.1. Coil coating.** Consideration shall be given the heat transfer efficiency of coil coating to maximize energy efficiency.	Mechanical	NA	Not applicable.	NA
5.508.2	**5.508.2.4 Refrigerant receivers.** Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.	Mechanical	NA	Not applicable.	NA
5.508.2	**5.508.2.5 Pressure testing.** The system shall be pressure tested during installation prior to evacuation and charging. **5.508.2.5.1 Minimum pressure.** The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum. **5.508.2.5.2 Leaks.** Check the system for leaks, repair any leaks, and retest for pressure using the same gauge. **5.508.2.5.3 Allowable pressure change.** The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.	Mechanical	NA	Not applicable.	NA
5.508.2	**5.508.2.6 Evacuation.** The system shall be evacuated after pressure testing and prior to charging. **5.508.2.6.1 First vacuum.** Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes. **5.508.2.6.2 Second vacuum.** Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes. **5.508.2.6.3 Third vacuum.** Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.	Mechanical	NA	Not applicable.	NA

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
5.504.3	**5.504.3 Covering of duct openings and protection of mech equip during construction.**				
5.504.3	At the time of rough installation and during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.	Mechanical	5.504	This will be complied.	Closed
5.504.4	**5.504.4 Finish material pollutant control.**				
5.504.4	Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6. **5.504.4.1 Adhesives, sealants, caulks.** Adhesives and sealants used on the project shall meet the requirements of the following standards. 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. 2. Aerosol adhesives and smaller unit sizes of adhesives and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations* , Title 17, commencing with Section 94507.	Architecture (Contractor Specifications)	Spec 07 92 00	These requirements are written into contractor specs.	Closed
	AND				
	5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply.	Architecture (Contractor Specifications)	Spec 09 91 13 and 09 91 23	These requirements are written into contractor specs.	Closed
	5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the Product- Weighted MIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances (CCR, Title 17, Section 94520, et seq.).	Architecture (Contractor Specifications)	Spec 09 91 13 and 09 91 23	These requirements are written into contractor specs.	Closed
	5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency.	Architecture (Contractor Specifications)	Spec 09 91 13 and 09 91 23	These requirements are written into contractor specs.	Closed
	AND				
	5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet the testing and product requirements of one of the standards listed in Section 5.504.4.4: 1. Carpet and Rug Institute's Green Label Plus Program; 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350); 3. NSF/ANSI 140 at the Gold level or higher; 4. Scientific Certifications Systems Sustainable Choice; or 5. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria and listed in the CHPS High Performance Product Database.	Architecture (Contractor Specifications)	Spec 09 68 13	These requirements are written into contractor specs.	Closed
	5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.	Architecture (Contractor Specifications)	NA	Not applicable	NA
	5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.	Architecture (Contractor Specifications)	Spec 09 68 13	These requirements are written into contractor specs.	Closed

CG Section reference	APPLICATION CHECKLIST FOR BSC	RESPONSIBLE PARTY	DWG/ SPEC REF	COMMENTS	Open/ Closed/ NA
	AND				
	5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in Table 5.504.4.5.	Architecture (Contractor Specifications)	Spec 06 40 23	These requirements are written into contractor specs.	Closed
	5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following: 1. Product certifications and specifications. 2. Chain of custody certifications. 3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.). 4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards. 5. Other methods acceptable to the enforcing agency.	Architecture (Contractor Specifications)	Spec 06 40 23	These requirements are written into contractor specs.	Closed
AS.504.4	**AS.504.4.5.1 No added formaldehyde, Tier 1.** Use composite wood products approved by the ARB as no-added formaldehyde (NAF) based resins or ultra-low emitting formaldehyde (ULEF) resins.	Architecture (Contractor Specifications)	Spec 06 40 23	These requirements are written into contractor specs.	Closed
5.504.4	**5.504.4.6 Resilient flooring systems.** For 80 percent of floor area receiving resilient flooring, install resilient flooring which meets one of the following: 1. Certified under the Resilient Floor Covering Institute (RFCI) Floor Score program; 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010; 3. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or 4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).	Architecture (Contractor Specifications)	Spec 09 65 19	These requirements are written into contractor specs.	Closed
5.504.4	**5.504.4.6.1 Verification of compliance.** Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.	Architecture (Contractor Specifications)	Spec 09 65 19	These requirements are written into contractor specs.	Closed
5.504.5	**5.504.5.3 Filters.** In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a MERV of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. **Exceptions:** Existing mechanical equipment	Mechanical	237416.11 2.07 A 1	This will be provided	Closed
5.504.5	**5.504.5.3.1 Labeling.** Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.	Mechanical	237416.11 2.07 A 1	This will be provided	Closed
5.504.7	**5.504.7 Environmental tobacco smoke (ETS) control.**				
5.504.7	Prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows where outdoor areas are provided for smoking and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University or campus of the University of California, whichever are more stringent.	Architecture	A12.00 and A12.50	This will be met via LEED.	Closed
	Indoor Moisture and Radon Control				
5.505.1	**5.505.1 Indoor moisture control.**				
5.505.1	Buildings shall meet or exceed the provisions of *California Building Code*, CCR, Title 24, Part 2, Sections 1202 and Chapter 14.1.	Architecture Mechanical	A1.00 and A8.00	Section 1202 is NA. Roof insulted above and above ceiling space is a return air plenum. See A1.00 and A8.00 for weather barrier at exterior walls.	Closed
	Air Quality and Exhaust				
5.506.1	**5.506.1 Outside air delivery.**				
5.506.1	For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 of the *California Energy Code* and Chapter 4 of CCR, Title 8 or the applicable local code, whichever is more stringent.	Mechanical	M6.01	This will be met.	Closed
5.506.2	**5.506.2 Carbon dioxide (CO2) monitoring.**				
5.506.2	For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, CCR, Section 120(c)(4).3	Mechanical	M1.02	This will be met. CO2 monitors will be will be located on north- east corner of FOH.	Closed

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway; Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

No. C-27624
Dec 31, 2021
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF CALIFORNIA

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

CAL GREEN CHECKLIST

SHEET NO.
T3.3

ISSUE DATE: JULY , 2019 V3

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 8
ONE-HALF INCH = ONE FOOT 0 4
ONE AND ONE-HALF INCH = ONE FOOT 0 6
ONE INCH = ONE FOOT 0 6

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE WITH THE CITY OF DELANO PRIOR TO ANY CONSTRUCTION WORK PERFORMED WITHIN THE RIGHT OF WAY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DIGGING PERMIT PRIOR TO ANY EXCAVATION OR TRENCHING ACTIVITIES, IF NECESSARY.
4. COORDINATE WITH STATE PRIOR TO SALVAGING ITEMS OR HAULING MATERIALS FROM THE CONSTRUCTION SITE.
5. CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND EXERCISE PROPER CARE IN EXCAVATION OF THE AREA. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
6. SWPPP BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION.
7. CONTRACTOR SHALL PERFORM THE MINIMUM CLEARING NECESSARY FOR WORK TO BE PERFORMED. CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING ALL DISTURBED AREAS TO THEIR ORIGINAL OR BETTER CONDITION IN ACCORDANCE WITH THE SPECIFICATIONS.
8. CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY INCLUDING, BUT NOT LIMITED TO, TRENCH EXCAVATION AND SHORING, AND SITE SECURITY.
9. ALL DIMENSIONS SHOWN ON PLANS ARE TO FACE OF CURB, OUTSIDE EDGE, CENTER OF STRIPE OR CENTER OF BOLLARD.

SURVEY NOTES:

TOPOGRAPHY: EXISTING TOPOGRAPHY AND SITE CONDITION INFORMATION SHOWN ON THESE PLANS ARE BASED ON A SURVEY COMPLETED BY JEFFERY D. BRIANS, RCE 36182 AT BLAIR, CHURCH & FLYNN.

SITE BENCHMARK:

CHISELED "X" ON TOP OF CURB WEST SIDE OF DOVER PARKWAY, APPROXIMATELY 735.9' SOUTH OF SOUTHERN PROPERTY LINE.
ELEVATION = 299.87' NAVD88 DATUM

DOVER PARKWAY STREET IMPROVEMENTS:

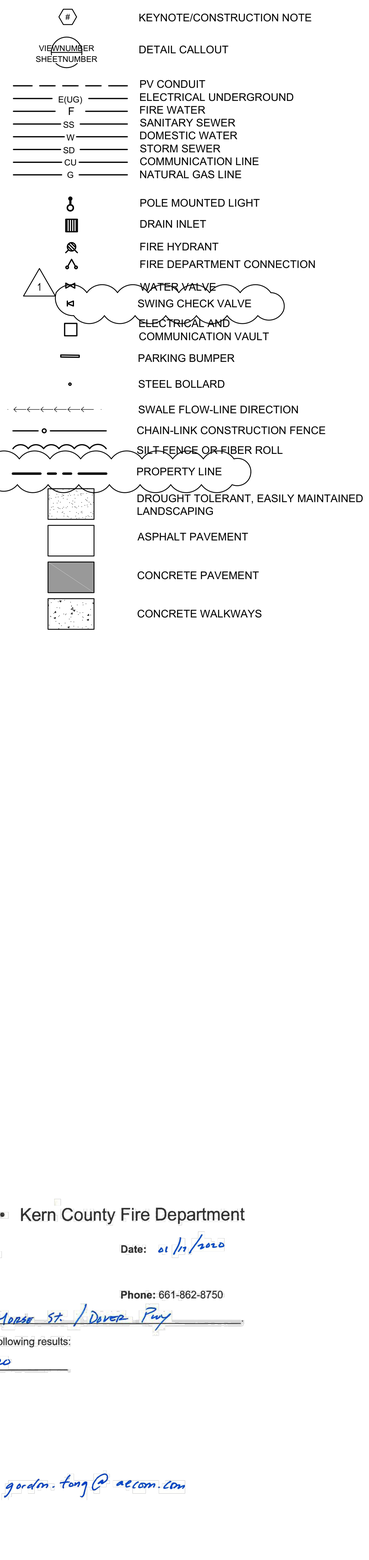
REFER TO SEPARATE DESIGN PACKAGE FOR CONSTRUCTION OF STREET IMPROVEMENTS ALONG DOVER PARKWAY. DESIGN PACKAGE IS THE CITY OF DELANO APPROVED DESIGN OF OFF-SITE IMPROVEMENTS WITHIN THE ADJOINING RIGHT OF WAY. IF THERE ARE DISCREPANCIES BETWEEN THESE PLANS AND STREET IMPROVEMENT PLANS, STREET IMPROVEMENT PLANS SHALL GOVERN.

CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT FROM THE CITY OF DELANO PRIOR TO COMMENCING WORK IN RIGHT OF WAY,

ABBREVIATIONS:

&	AND
℄	CENTERLINE
°	DEGREES
Ø	DIAMETER
'	FEET, MINUTES
"	INCHES, SECONDS
#	NUMBER
%	PERCENT
ACC	ACCESSIBLE
ADJ.	ADJACENT
ASTM	ASTM INTERNATIONAL
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BEGIN CURVE
BL	BEGIN LINE
BMP'S	BEST MANAGEMENT PRACTICES
CA	CALIFORNIA
CF	CUBIC FEET
CFS	CUBIC FEET PER SECOND
CLR	CLEARANCE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONT.	CONTINUOUS
CY	CUBIC YARD
DGS	DEPARTMENT OF GENERAL SERVICES
DI	DRAINAGE/DRAIN INLET
DIA	DIAMETER
DIV.	DIVISION
DMV	DEPARTMENT OF MOTOR VEHICLES
DWG.	DRAWING
E	EAST\EASTING
EC	END CURVE
EL	END LINE
ELEV	ELEVATION
ELL	ELBOW
EV	ELECTRIC VEHICLE
EVA	ELECTRIC VEHICLE ACCESSIBLE
E.W.	EACH WAY
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FS	FINISHED SURFACE (FINISHED GRADE ELEVATION)
FT.	FEET
FW	FIRE WATER
HDPE	HIGH-DENSITY POLYETHYLENE
I.D.	INSIDE DIMENSION
INV	INVERT
ISA	INTERNATIONAL SYMBOL OF ACCESS
LED	LIGHT-EMITTING DIODE
LF	LINEAR FEET/FOOT
MAX.	MAXIMUM
MIN.	MINIMUM
N	NORTH\NORTHING
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO.	NUMBER
NPDES	NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIMENSION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OS & Y	OUTSIDE STEM AND YOKE
OZ	OUNCE
PCC	PORTLAND CEMENT CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCE	REGISTERED CIVIL ENGINEER
R/W	RIGHT OF WAY
S	SLOPE, SOUTH
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
SDRN	STORM DRAIN
SQ	SQUARE
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
STA	STATION
STD	STANDARD
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TOC	TOP OF CURB
TYP	TYPICAL
W	WEST
W/	WITH
WWF	WELDED WIRE FABRIC

LEGEND:



DRAWING INDEX

PLAN NO.	DRAWING TITLE
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C1.01	EROSION CONTROL PLAN
C1.02	CIVIL SITE PLAN
C1.03	HORIZONTAL CONTROL PLAN
C1.04	LINE AND CURVE TABLES
C1.05	GRADING PLAN
C1.06	UTILITY PLAN
C1.07	WATER PLAN
C1.08	STORM DRAIN PLAN
C1.09	SANITARY SEWER PLAN
C1.10	PAVING PLAN
C1.11	STRIPING PLAN
C2.01	STORM DRAIN SYSTEM PLAN & PROFILE 1 OF 4
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C5.01	EROSION CONTROL DETAILS
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C5.07	STORM DRAIN DETAILS 2 OF 2
C5.08	SANITARY SEWER DETAILS
C5.09	PAVEMENT DETAILS
C5.10	STRIPING DETAILS

Office Memorandum • Kern County Fire Department

To: AECOM attn: Gordon Fong — Date: 01/17/2020
From: Fire Prevention
Subject: New Hydrant Installation — Phone: 661-862-8750

A new hydrant has been installed at Morse St. / Dover Pwy
A flow test has been performed with the following results:
APN # Permit # 2019-FT-020

Static 69
Residual 55
GPM 2770

White - Station
Canary - Graphics/Planning
Pink - BFD
FIRE 580 2415 246 (3/01)

Emailed to gordon.fong@aecom.com

HYDRANT FLOW TEST:

PERFORMED ON: JANUARY 17, 2020

Kern County Fire Depart
Permit
2820 M St., Bakersfield, CA 93301
Telephone (661) 391-3310 Fax (661) 636-0466 or 636-0467
Website: kerncountyfire.org

Permit Number 2019-FT-020 — Date of Permit 12/18/2019 — Station No.
Type of Permit Flow Test — Inspection Number
Project Name DMV Delano Facility — Assessor's Number
Project Street Address Morse St./Dover Parkway — City Delano
Description of Project Hydrant Flow Test

NOTE: KCFD REQUIRES TWO (2) FULL WORKING DAYS NOTICE FOR INSPECTION.

Issued to: (Applicant) Gordon Fong — App. Ph. No. (916) 679-2245
Contractor/Company AECOM — Cont. Ph. No. (916) 679-2245
Business Address Contractor/Company 2020 L Street, Suite 400 — Fax No.
City, State, Zip Sacramento, CA 95811
License No.
Fee Code 5280

THIS PERMIT DOES NOT TAKE THE PLACE OF ANY LICENSE REQUIRED BY LAW. PERMIT IS NOT TRANSFERABLE*THIS IS NOT A FIRE AND LIFE SAFETY CLEARANCE

For Office Use Only
Date Picked Up
Date Faxed
Date Mailed
Date Paid 12/18/2019
Amount Paid $520.00

Plans Approved Signature
Project Final Signature
Final Inspection Date 01/17/2020

THIS PERMIT MUST AT ALL TIMES BE POSTED ON THE PREMISES MENTIONED ABOVE
This Permit will expire if an inspection is not requested within 180 days.
KCFD 205 Rev. 6/15

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN FONG
C 87304
CIVIL
STATE OF CALIFORNIA
08/07/2020

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

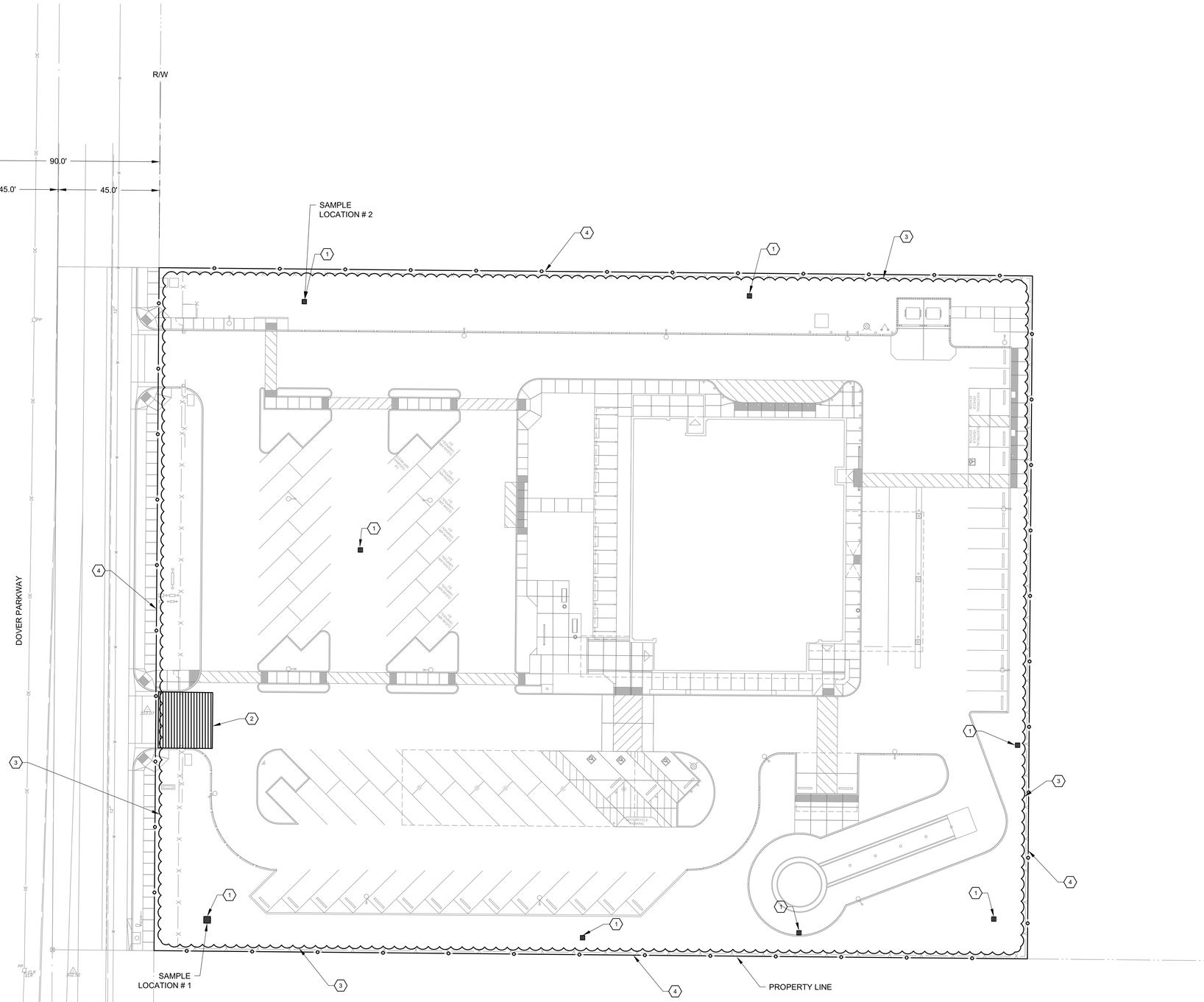
NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

CIVIL NOTES, ABBREVIATIONS, & LEGEND

SHEET NO.
C0.01

ISSUE DATE: JULY, 2019 V3



1 EROSION CONTROL PLAN
1" = 20'

KEYNOTES:

1. INSTALL STORM DRAIN INLET PROTECTION. SEE DETAIL A/C5.01
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE. SEE DETAILS C/C5.01, C-1/C5.01, AND C-2/C5.01
3. INSTALL SILT FENCE OR FIBER ROLL AROUND PERIMETER OF PROPERTY ALONG PROPERTY LINE. CONTRACTOR SHALL REMOVE SILT FENCE OR FIBER ROLLS AT END OF CONSTRUCTION. SEE DETAILS H/C5.01 AND I/C5.01
4. INSTALL CHAINLINK CONSTRUCTION FENCE. FENCE SHALL BE REMOVED AT END OF CONSTRUCTION.

SHEET NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH ALL APPLICABLE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS FOR THE PROJECT.
2. CONTRACTOR SHALL PROVIDE SOIL STABILIZATION AND SEDIMENT CONTROL PRACTICES DURING CONSTRUCTION
3. APPLY WATER FOR DUST CONTROL
4. STREET SWEEPING SHALL BE PROVIDED AT LOCATIONS WHERE TRUCKS AND EQUIPMENT CROSS SOIL-DISTURBED AREAS TO PAVEMENT.
5. CONTRACTOR SHALL PROVIDE THE FOLLOWING:
   - 5.1. A SITE SPECIFIC STORM WATER POLLUTION PLAN (SWPPP) AS REQUIRED BY THE CONSTRUCTION GENERAL PERMIT.
   - 5.2. CURRENT COPY OF THE SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES
   - 5.3. UPDATE THE SWPPP AS REQUIRED
   - 5.4. CONSTRUCTION, MAINTENANCE, AND MONITORING OF ALL SITE-SPECIFIC BEST MANAGEMENT PRACTICES (BMP'S) AS IDENTIFIED IN THE SWPPP
   - 5.5. ALL REQUIRED TESTING, MONITORING, TRAINING AND APPROPRIATE RECORDS ASSOCIATED WITH THESE ACTIVITIES
6. NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCKPILED ON SITE IN CASE BMP'S REQUIRE IMMEDIATE REPAIR
7. BMP'S SHOWN ARE SUGGESTED PRACTICES. CONTRACTOR IS REQUIRED TO PRODUCE A SITE SPECIFIC SWPPP BASED ON PLANNED GRADING ACTIVITIES AND SCHEDULE.
8. CONTRACTOR SHALL SAMPLE WHERE RUNOFF LEAVES THE PROJECT SITE. TWO SUGGESTED LOCATIONS ARE SHOWN ON THE PLANS. DISCHARGE LOCATIONS SHALL BE SAMPLED AS REQUIRED IN THE CALIFORNIA CONSTRUCTION GENERAL PERMIT.
9. SEE SPECIFICATION 01 57 23 FOR ADDITIONAL REQUIREMENTS.

LEGEND:

- CHAINLINK CONSTRUCTION FENCE
- SILT FENCE OR FIBER ROLL
- DRAIN INLET

NORTH

0 20' 40'
SCALE: 1" = 20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN TONG
C 87304
CIVIL
STATE OF CALIFORNIA
10/15/2021

CONSULTANT
AECOM

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	CITY PLAN CHECK	09/15/21

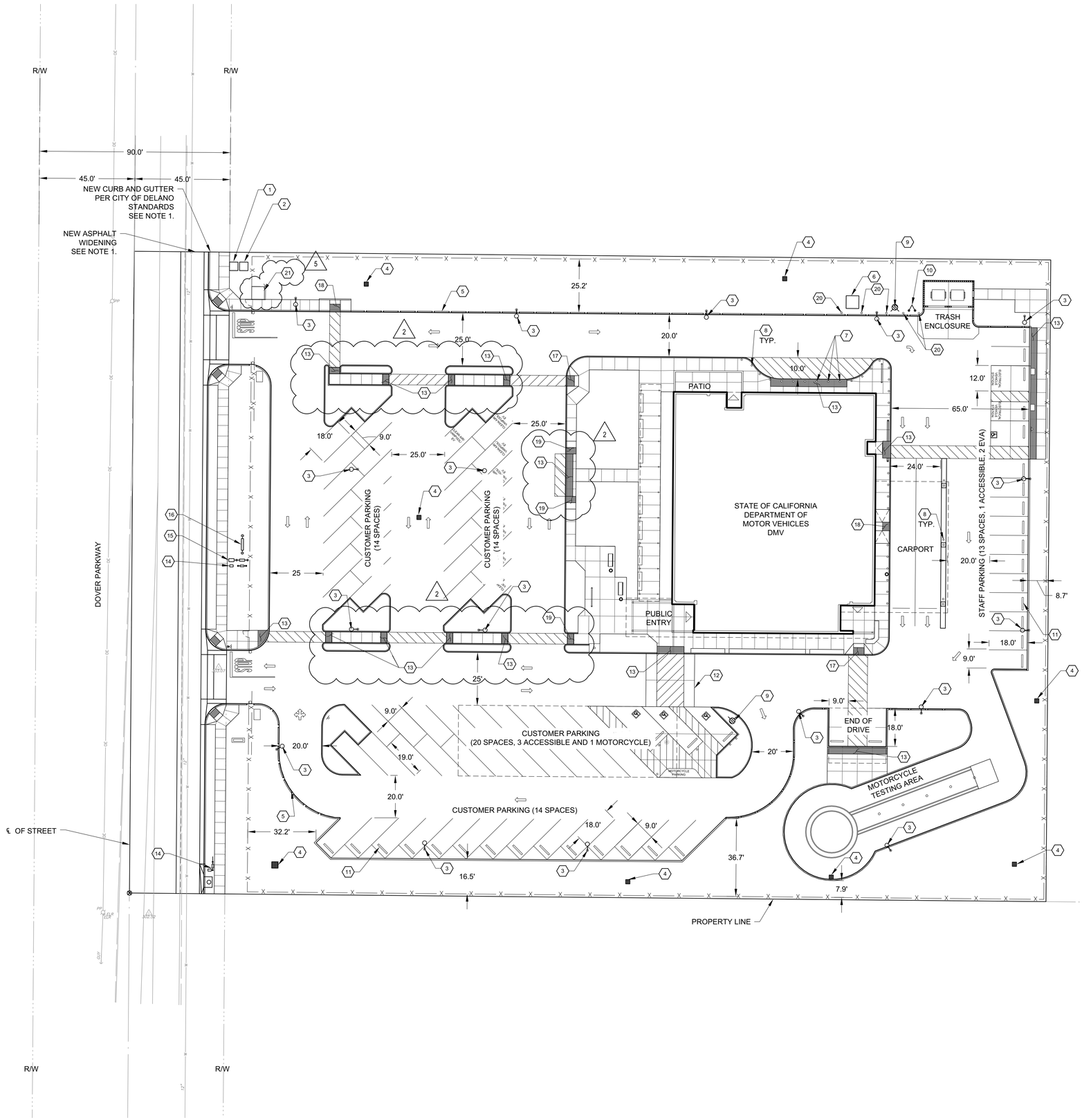
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

EROSION CONTROL PLAN

SHEET NO.
C1.01

ISSUE DATE: JULY4 2023

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



1 CIVIL SITE PLAN
1" = 20'

KEYNOTES:

1. COMMUNICATION MANHOLE. SEE LOW VOLTAGE PLANS.
2. ELECTRICAL VAULT. SEE ELECTRICAL PLANS.
3. POLE MOUNTED LED LIGHT FIXTURE. SEE ELECTRICAL SITE PLAN.
4. 2'X2' PRECAST CONCRETE DRAIN INLET
5. PROVIDE CONCRETE CURB WITH CURB-CUTS. DETAIL 4/C5.09
6. ELECTRICAL TRANSFORMER, SEE ELECTRICAL PLANS.
7. REMOVABLE BOLLARDS. DETAIL 2/C5.02.
8. STEEL BOLLARDS. (29 TOTAL). DETAIL 1/C5.02.
9. FIRE HYDRANT. DETAIL 1/C5.05.
10. FIRE DEPARTMENT CONNECTION. DETAIL 4/C5.05.
11. PARKING BUMPERS. DETAIL 5/C5.03.
12. TRAFFIC TABLE. DETAIL 5/C5.09.
13. TRUNCATED DOMES. DETAIL 4/C5.03.
14. IRRIGATION WATER METER AND BACKFLOW PREVENTER
15. DOMESTIC WATER METER AND BACKFLOW PREVENTER
16. FIRE WATER BACKFLOW PREVENTER
17. ACCESSIBLE CURB RAMP (CASE A) DETAIL 2/C5.03
18. ACCESSIBLE CURB RAMP (CASE C) DETAIL 2/C5.03
19. ACCESSIBLE CURB RAMP (CASE F) DETAIL 2/C5.03
20. STEEL BOLLARD PER DETAIL 1/C-502 (PAINT RED)
21. 6'X6'X4" CONCRETE PAD FOR SOUTHERN CALIFORNIA GAS COMPANY NATURAL GAS METER. DETAIL 1/C5.09

SHEET NOTES:

1. REFER TO SEPARATE PLANS PREPARED FOR THIS PROJECT FOR THE CITY OF DELANO APPROVED DESIGN OF NEW IMPROVEMENTS WITHIN THE ADJOINING STREET RIGHT OF WAY. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF DELANO PRIOR TO ANY WORK WITHIN RIGHT OF WAY.
2. SEE ARCHITECTURAL SITE PLAN FOR ADDITIONAL SITE LAYOUT INFORMATION AND DETAILS.
3. SEE SHEET C1.05 FOR GRADING PLAN.
4. SEE SHEET C1.06 FOR UTILITY PLAN.
5. SEE SHEET C1.10 FOR PAVING PLAN.
6. SEE ELECTRICAL FOR SITE ELECTRICAL PLAN.
7. SEE LANDSCAPING FOR PLANTING AND IRRIGATION INFORMATION.

LEGEND:

- POLE MOUNTED LIGHT
- DRAIN INLET
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- ELECTRICAL AND COMMUNICATION VAULT
- PARKING BUMPER
- STEEL BOLLARD

2

2019 CBC TABLE 11B-208.2 PARKING SPACES

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2 PERCENT OF TOTAL
1001 AND OVER	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

NORTH

0 20' 40'
SCALE: 1" = 20'

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20
2	CITY PLAN CHECK	09/15/21

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

CIVIL SITE PLAN

SHEET NO.

C1.02

ISSUE DATE: JULY4 2023

ONE AND ONE-HALF INCH = ONE FOOT

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ONE-HALF INCH = ONE FOOT

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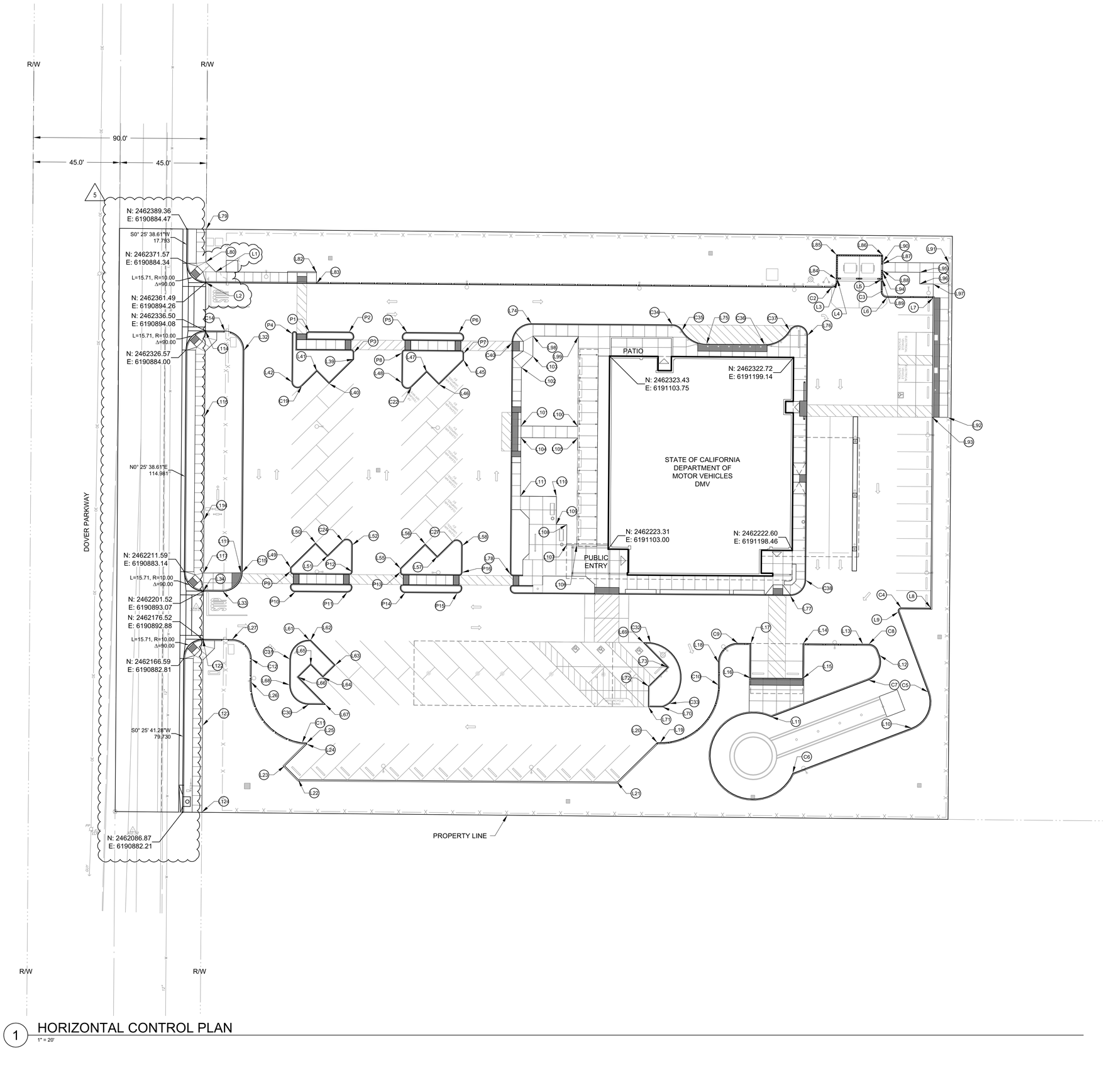

1 HORIZONTAL CONTROL PLAN
1" = 20'

NORTH

0 20' 40'
SCALE: 1" = 20'

SHEET NOTES:

1. SEE SHEET C1.04 FOR LINE AND CURVE TABLES.

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DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

HORIZONTAL CONTROL PLAN

SHEET NO.

C1.03

ISSUE DATE: JULY 2023

ONE AND ONE-HALF INCH = ONE FOOT
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ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

LINE AND CURVE TABLE

MARK	LENGTH	RADIUS	ARC LENGTH	DELTA	NORTHING	EASTING	NOTE
L1	52.29				2462367.09	6190899.81	
L2	324.56				2462361.49	6190894.26	BL
C2		3.00	4.71	90	2462359.08	6191218.82	EL/BC
L3	1.00				2462362.35	6191221.86	EC/BL
L4	-				2462363.35	6191221.87	EL
L5	6.29				2462363.18	6191244.66	BL
C3		3.00	4.71	90	2462356.89	6191244.61	EL/BC
L6	23.95				2462353.87	6191247.59	EC/BL
L7	160.99				2462353.69	6191271.54	EL/BL
L8	15.39				2462192.71	6191270.34	EL/BL
C4		1.54	2.98	110 48' 54"	2462192.82	6191254.96	EL/BC
L9	44.38				2462190.74	6191253.50	EC/BL
C5		14.54	22.74	89 34' 45"	2462149.14	6191268.96	EL/BC
L10	66.12				2462130.48	6191260.49	EC/BL
C6		22.33	105.60	270 54' 22"	2462106.99	6191198.69	EL/BC
L11	53.86				2462136.28	6191187.56	EC/BL
C7		10.00	15.63	89 34'45"	2462155.42	6191237.90	EL/BC
L12	2.61				2462168.25	6191243.72	EC/BL
C8		5.00	6.08	69 39' 4"	2462170.69	6191242.81	EL/BC
L13	34.12				2462173.95	6191238.16	EC/BL
L14	18.00				2462174.21	6191204.01	EL/BL
L15	27.00				2462156.21	6191203.87	EL/BL
L16	18.00				2462156.41	6191176.87	EL/BL
L17	6.76				2462174.41	6191177.01	EL/BL
C9		10.00	15.78	90 25' 34"	2462174.46	6191170.24	EL/BC
L18	11.77				2462164.46	6191160.17	EC/BL
C10		29.98	47.13	90 4' 52"	2462152.69	6191160.22	EL/BC
L19	1.56				2462122.92	6191130.00	EC/BL
L20	29.17				2462122.93	6191128.44	EL/BL
L21	165.38				2462102.45	6191107.66	EL/BL
L22	10.11				2462103.68	6190942.29	EL/BL
L23	16.09				2462110.88	6190935.20	EL/BL
L24	0.58				2462122.19	6190946.65	EL/BL
L25	2.40				2462122.78	6190946.65	EL/BL
C11		31.00	45.02	83 12' 19"	2462122.79	6190944.26	EL/BC
L26	12.01				2462154.32	6190917.78	EC/BL
C12		10.00	15.71	90 0' 40"	2462166.33	6190917.87	EL/BC
L27	24.97				2462176.41	6190907.95	EC/BL
L28							
L29							
L30							
L31							
C14		10.00	15.71	90	2462336.42	6190904.14	BC
L32	114.98				2462336.42	6190904.14	EC/BL
C15		10.00	15.71	90	2462211.37	6190913.21	EL/BC
L33	18.07				2462201.44	6190903.13	EC/BL
L34	10.07				2462201.52	6190893.07	EL/BL
L35							
L36							
L31							
P1					2462336.09	6190947.98	
P2					2462335.94	6190968.63	
P3					2462825.26	6190971.05	
L39	17.99				2462321.77	6190971.03	EL/BL
L40	9.00				2462309.15	6190958.21	EL/BL
L41	11.01				2462315.57	6190951.89	EL/BL
C19		3.00	7.07	134 58' 9"	2462307.84	6190944.04	EL/BC
L42	16.16				2462310.00	6190938.94	EC/BL
P4					2462335.00	6190939.13	
L37	-				2462336.09	6190949.14	EC
P5					2462335.73	6190998.63	
P6					2462335.51	6191025.65	
P7					2462324.79	6191028.05	
L45	18.04				2462321.39	6191028.03	EL/BL
L46	9.00				2462308.73	6191015.16	EL/BL
L47	10.96				2462315.15	6191008.85	EL/BL
C22		3.00	7.07	134 58' 9"	2462307.46	6191001.04	EL/BC
L48	16.12				2462309.62	6190995.94	EC/BL
P8					2462325.07	6190996.05	
L43	-				2462335.67	6191006.14	EC
L49	18.18				2462213.72	6190938.22	BL
L50	9.00				2462226.47	6190951.18	EL/BL
L51	10.82				2462220.06	6190957.50	EL/BL
C24		3.00	7.07	134 58'9"	2462227.65	6190965.21	EL/BC
L52	14.56				2462225.49	6190970.31	EC/BL
P12					2462211.61	6190970.21	
P11					2462200.95	6190967.63	
P10					2462201.15	6190940.63	
P9					2462211.85	6190938.21	
L49	-				2642213.72	6190938.22	EL
L55	18.03				2462213.30	6190995.22	BL

LINE AND CURVE TABLE (CONTINUED)

MARK	LENGTH	RADIUS	ARC LENGTH	DELTA	NORTHING	EASTING	NOTE
P16					2462211.19	6191027.21	
P15					2462200.55	6191024.63	
P14					2462200.72	6190997.63	
P13					2462211.43	6190995.21	
L55	-				2462213.30	6190995.22	EL
L61	0.74				2462176.13	6190947.95	BL
L62	18.16				2462176.12	6190948.68	EL/BL
L63	9.00				2462163.18	6190961.43	EL/BL
L64	9.00				2462156.87	6190955.02	EL/BL
L65	9.00				2462163.28	6190948.70	EL/BL
L66	20.00				2462156.96	6190942.29	EL/BL
L67	8.63				2462142.71	6190956.33	EL/BL
C30		10.00	15.71	90	2462142.78	6190947.70	EL/BC
L68	13.35				2462152.85	6190937.77	EC/BL
C31		10.05	15.69	89 27' 31"	2462166.20	6190937.87	EL/BC
L61	-				2462176.13	6190947.95	EC
L69	3.68				2462170.84	6191121.21	BL
C32		18.08	41.74	132 15' 55"	2462174.81	6191124.89	EL/BC
C33		14.45	3.90	15 28' 00"	2462143.22	6191134.66	EC/BC
L70	7.40				2462141.44	6191131.20	EC/BL
L71	10.71				2462141.49	6191123.80	BL/EL
L72	13.98				2462152.20	6191123.88	EL/BL
L73	18.00				2462162.02	6191133.84	EL/BL
L69	-				2462174.84	6191121.21	EL
L74	73.05				2462340.24	6191063.17	BL
C34		6.00	6.12	58 24' 43"	2462339.69	6191136.22	EL/BC
C35		15.00	15.29	58 24'43"	2462336.80	6191141.31	EC/BC
L75	30.00				2462329.56	6191154.03	EC/BL
C36		15.00	15.71	60	2462329.34	6191184.04	EL/BC
C37		5.00	13.09	150	2462336.74	6191197.08	EC/BC
L76	126.98				2462334.17	6191206.39	EC/BL
C38		8.00	18.27	90	2462207.20	6191205.45	EL/BC
L77	135.27				2462199.26	6191197.39	EC/BL
C39		10.00	15.71	90	2462200.26	6191062.13	EL/BC
L78	119.98				2462210.34	6191052.20	EC/BL
C40		10.00	15.71	90	2462330.31	6191053.09	EL/BC
L74	-				2462340.24	6191063.17	EC
L79	17.03				2462389.27	6190894.47	BL
L80	5.06				2462372.23	6190894.26	EL/BL
L82	6.12				2462366.69	6190897.69	EL/BC
L83	-				2462361.07	6190951.65	EL
L84	12.67				2462363.35	6191221.26	BL
L85	24.00				2462376.02	6191221.36	EL/BL
L86	4.79				2462375.84	6191245.36	EL/BL
L87	3.08				2462371.05	6191245.32	EL/BL
L88	4.79				2462367.96	6191245.30	EL/BL
L89	-				2462363.17	6191245.26	EL
L90	34.35				2462372.00	6191245.33	BL
L91	80.11				2462371.75	6191279.68	EL/BL
L92	8.00				2462291.64	6191279.08	EL/BL
L93	-				2462291.70	6191271.08	EL
L94	19.35				2462367.00	6191245.29	BL
L95	6.00				2462366.86	6191264.64	EL/BL
L96	7.05				2462360.86	6191264.55	EL/BL
L97	7.09				2462360.81	6191271.59	EL/BL
L7	-				2462353.69	6191271.54	EL
L98	23.55				2462333.81	6191064.01	BL
L99	46.55				2462333.63	6191087.55	EL/BL
L100	29.43				2462286.94	6191087.21	EL/BL
L101	32.17				2462287.16	6191057.77	EL/BL
L102	8.32				2462319.33	6191058.01	EL/BL
L103	8.64				2462325.16	6191063.94	EL/BL
L98	-				2462333.81	6191064.01	EL
L104	29.45				2462281.16	6191057.73	BL
L105	55.45				2462280.94	6191087.16	EL/BL
L106	5.27				2462225.49	6191086.75	EL/BL
L107	10.50				2462225.53	6191081.48	EL/BL
L108	5.50				2462236.03	6191081.56	EL/BL
L109	14.55				2462236.07	6191076.06	EL/BL
L110	18.66				2462250.61	6191076.17	EL/BL
L111	30.40				2462250.75	6191057.50	EL/BL
L104	-				2462281.16	6191057.73	EL
L114	10.07				2642336.50	6190894.08	EL/BL
L115	53.71				2462292.28	6190893.75	EL/BL
L116	27.67				2462238.57	6190893.35	EL/BL
L117	19.41				2462210.90	6190893.14	EL/BL
L119	-				2462211.04	6190912.55	EL
L122	15.07				2642176.52	6190892.88	BL
L123	44.97				2462131.74	6190892.89	EL/BL
L124	-				2462086.77	6190892.21	EL

KEY:

BC - BEGIN CURVE
EC - END CURVE
BL - BEGIN LINE
EL - END LINE

NOTE:

LENGTH, RADIUS, AND ARC LENGTH MEASUREMENTS ARE IN FEET.

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REVISIONS

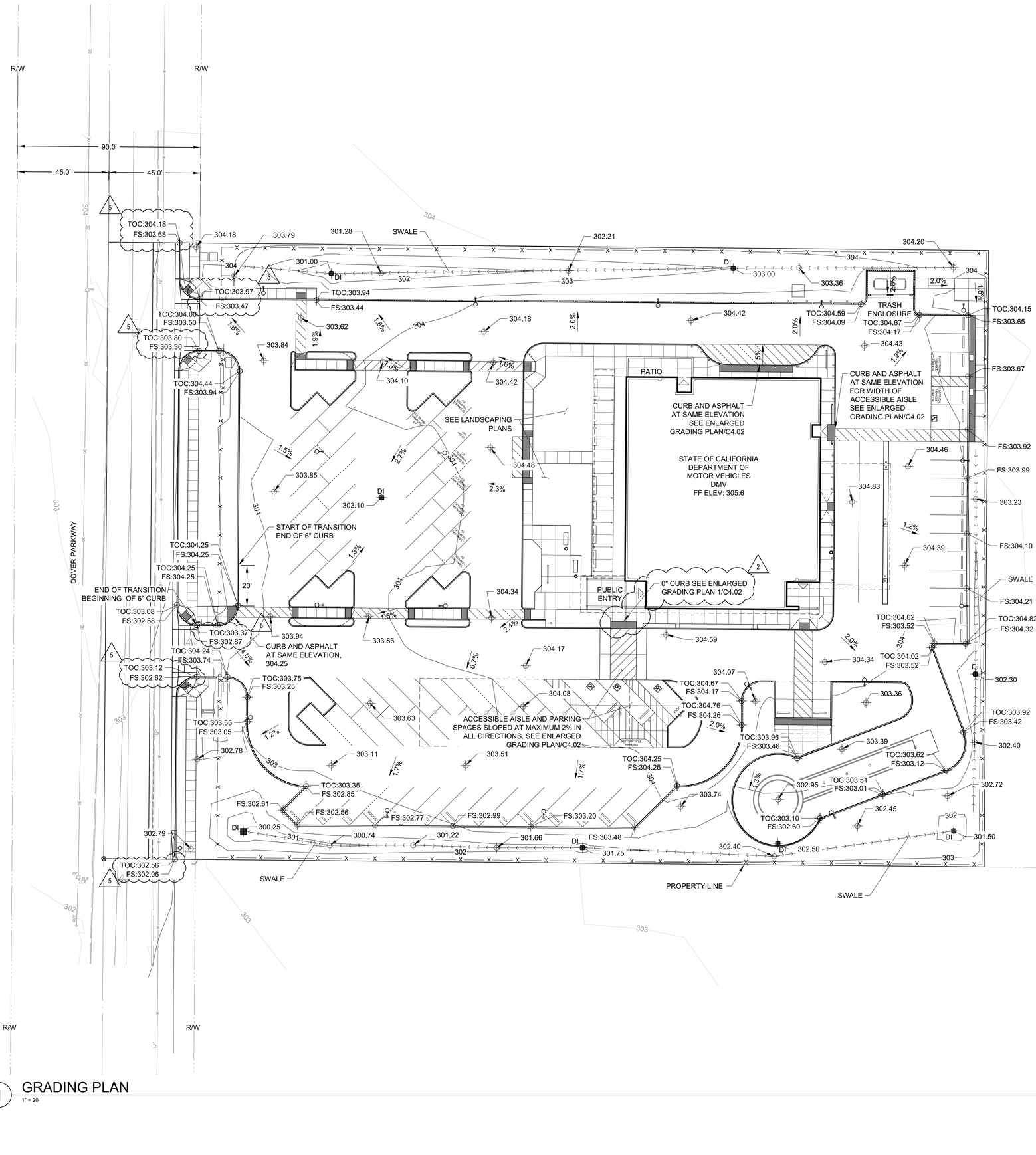
NO.	DESCRIPTION	DATE
1	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

LINE AND CURVE TABLES

SHEET NO.
C1.04

ISSUE DATE: JULY4 2023



1 GRADING PLAN
1" = 20'

SHEET NOTES:

1. CONTRACTOR SHALL ADHERE TO ALL UNDERGROUND SERVICE ALERT REQUIREMENTS BY CALLING 811 AND OBTAIN ANY REQUIRED GRADING PERMITS.
2. CONTRACTOR SHALL HAVE ALL TEMPORARY EROSION AND SEDIMENTATION MEASURES IN PLACE PRIOR TO STARTING EARTH DISTURBING ACTIVITIES.
3. CONTRACTOR SHALL LIMIT THE AMOUNT OF SITE DISTURBANCE TO WHAT IS NECESSARY FOR SITE GRADING AND INSTALLATION OF TEMPORARY EROSION CONTROL BMPS.
4. CONTRACTOR SHALL COORDINATE WITH THE CITY OF DELANO PRIOR TO ANY CONSTRUCTION WORK PERFORMED WITHIN THE RIGHT OF WAY.
5. CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINAL FINISHED GRADES.
6. SEE SHEET C1.08 FOR STORM DRAIN PLAN.
7. SEE SHEET C4.01 TO C4.03 FOR ENLARGED GRADING PLANS.
8. ALL ACCESSIBLE PATHS SHALL BE GRADES TO NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE PATHS ARE DENOTED BY THE DIAGONAL PAVEMENT STRIPING.

SITE BENCHMARK:

CHISELED "X" ON TOP OF CURB WEST SIDE OF DOVER PARKWAY,
APPROXIMATELY 735.9' SOUTH OF SOUTHERN PROPERTY LINE.
ELEVATION = 299.87' NAVD88 DATUM

LEGEND:

SWALE FLOWLINE DIRECTION

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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN FOO
C 87304
CIVIL
STATE OF CALIFORNIA
10/15/2021

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20
2	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

GRADING PLAN

SHEET NO.

C1.05

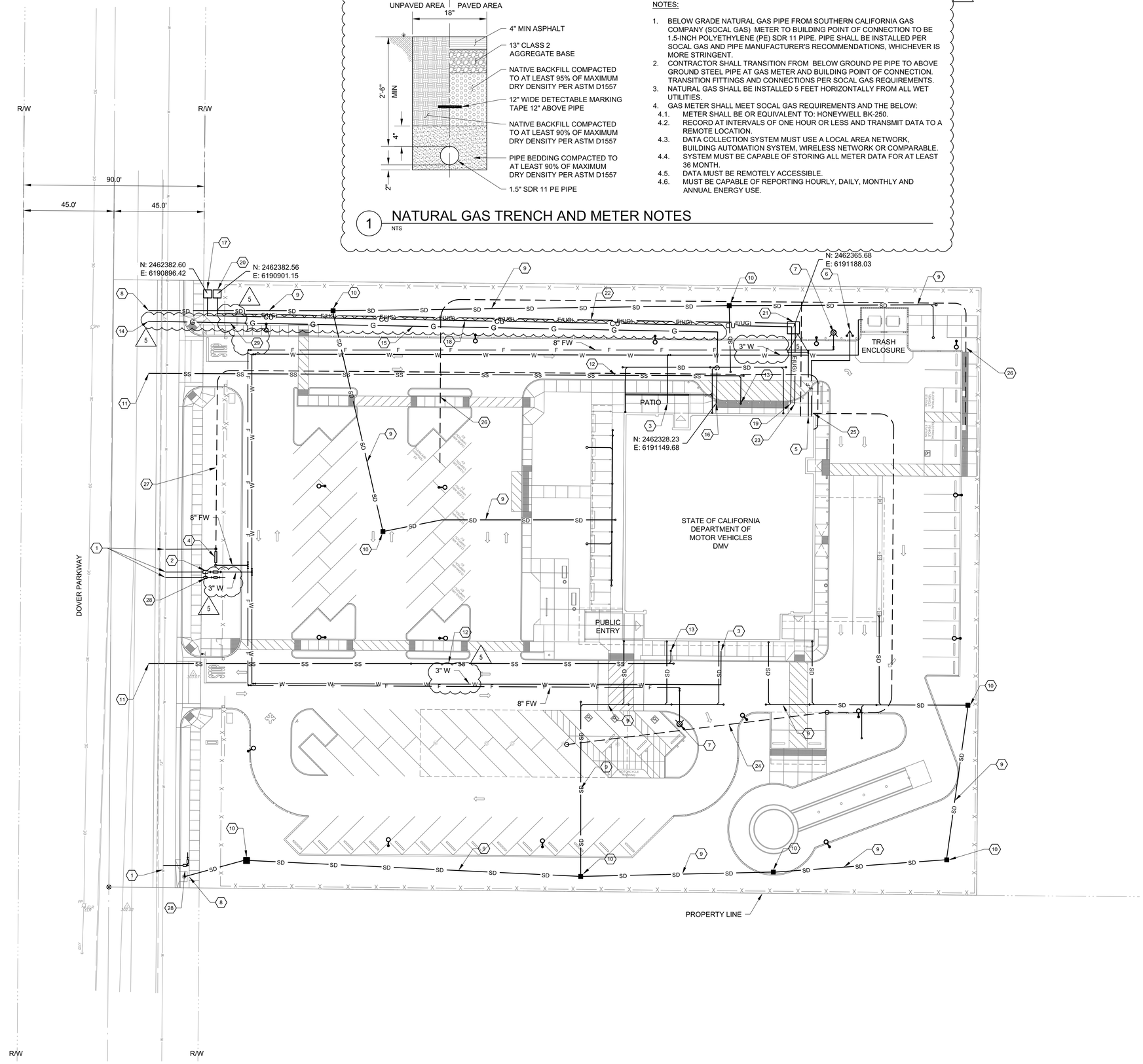
ISSUE DATE: JUL V4 2023

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

NOTES:

1. BELOW GRADE NATURAL GAS PIPE FROM SOUTHERN CALIFORNIA GAS COMPANY (SOCAL GAS) METER TO BUILDING POINT OF CONNECTION TO BE 1.5-INCH POLYETHYLENE (PE) SDR 11 PIPE. PIPE SHALL BE INSTALLED PER SOCAL GAS AND PIPE MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS MORE STRINGENT.
2. CONTRACTOR SHALL TRANSITION FROM BELOW GROUND PE PIPE TO ABOVE GROUND STEEL PIPE AT GAS METER AND BUILDING POINT OF CONNECTION. TRANSITION FITTINGS AND CONNECTIONS PER SOCAL GAS REQUIREMENTS.
3. NATURAL GAS SHALL BE INSTALLED 5 FEET HORIZONTALLY FROM ALL WET UTILITIES.
4. GAS METER SHALL MEET SOCAL GAS REQUIREMENTS AND THE BELOW:
   - 4.1. METER SHALL BE OR EQUIVALENT TO: HONEYWELL BK-250.
   - 4.2. RECORD AT INTERVALS OF ONE HOUR OR LESS AND TRANSMIT DATA TO A REMOTE LOCATION.
   - 4.3. DATA COLLECTION SYSTEM MUST USE A LOCAL AREA NETWORK, BUILDING AUTOMATION SYSTEM, WIRELESS NETWORK OR COMPARABLE.
   - 4.4. SYSTEM MUST BE CAPABLE OF STORING ALL METER DATA FOR AT LEAST 36 MONTH.
   - 4.5. DATA MUST BE REMOTELY ACCESSIBLE.
   - 4.6. MUST BE CAPABLE OF REPORTING HOURLY, DAILY, MONTHLY AND ANNUAL ENERGY USE.

1 NATURAL GAS TRENCH AND METER NOTES
NTS



1 UTILITY PLAN
1" = 20'

KEYNOTES:

1. CONNECT TO EXISTING 12 INCH WATER LINE ALONG DOVER PARKWAY
2. INSTALL DOMESTIC WATER METER AND REDUCED PRESSURE DETECTOR BACKFLOW PREVENTER
3. POINT OF CONNECTION FOR DOMESTIC WATER LINE 5 FEET FROM BUILDING. SEE PLUMBING FOR CONTINUATION
4. INSTALL FIRE WATER DOUBLE CHECK DETECTOR BACKFLOW PREVENTER, SEE SHEET C1.07
5. CONNECT TO FIRE RISER ROOM, SEE SHEET C1.07
6. INSTALL FIRE DEPARTMENT CONNECTION , SEE SHEET C1.07
7. INSTALL FIRE HYDRANT, SEE SHEET C1.07
8. CONNECT TO STORM SEWER
9. INSTALL STORM SEWER LINE, SEE SHEET C1.08
10. INSTALL 2'X2' PRECAST CONCRETE DRAIN INLET
11. CONNECT TO SANITARY SEWER
12. INSTALL SANITARY SEWER LINE, SEE SHEET C1.09
13. POINT OF CONNECTION FOR SANITARY SEWER LINE 5 FEET FROM BUILDING. SEE PLUMBING FOR CONTINUATION
14. CONNECT TO NATURAL GAS MAIN
15. INSTALL 1.5" POLYETHYLENE NATURAL GAS LINE
16. POINT OF CONNECTION FOR NATURAL GAS LINE 5 FEET FROM BUILDING. SEE PLUMBING FOR CONTINUATION.
17. INSTALL NEW COMMUNICATION VAULT, SEE ELECTRICAL
18. INSTALL NEW COMMUNICATION LINE, SEE ELECTRICAL
19. POINT OF CONNECTION FOR COMMUNICATION LINE 5 FEET FROM BUILDING. SEE ELECTRICAL FOR CONTINUATION
20. INSTALL NEW ELECTRICAL VAULT, SEE ELECTRICAL
21. INSTALL NEW ELECTRICAL TRANSFORMER, SEE ELECTRICAL
22. INSTALL NEW ELECTRICAL LINE, SEE ELECTRICAL
23. POINT OF CONNECTION FOR ELECTRICAL LINE 5 FEET FROM BUILDING. SEE ELECTRICAL FOR CONTINUATION
24. INSTALL PV CONDUIT
25. POINT OF CONNECTION FOR PV CONDUIT LINE 5 FEET FROM BUILDING. SEE ELECTRICAL FOR CONTINUATION.
26. INSTALL CONDUIT FOR EV CHARGER. SEE ELECTRICAL SITE PLAN.
27. INSTALL CONDUIT FROM FIRE WATER BACKFLOW PREVENTER TO FIRE ALARM CONTROL PANEL IN ELECTRICAL ROOM. SEE ELECTRICAL SITE PLAN
28. INSTALL IRRIGATION METER AND REDUCED PRESSURE DETECTOR BACKFLOW PREVENTER. SEE LANDSCAPING FOR CONTINUATION.
29. INSTALL NATURAL GAS METER PER SOUTHERN CALIFORNIA GAS COMPANY REQUIREMENTS.

SHEET NOTES:

1. SEE SHEET C1.07 FOR WATER PLAN
2. SEE SHEET C1.08 FOR STORM DRAIN PLAN
3. SEE SHEET C1.09 FOR SANITARY SEWER PLAN
4. SEE ELECTRICAL FOR SITE ELECTRICAL PLAN

LEGEND:

- PV CONDUIT
- E(UG) — ELECTRICAL UNDERGROUND
- F — FIRE WATER
- SS — SANITARY SEWER
- W — DOMESTIC WATER
- SD — STORM SEWER
- CU — COMMUNICATION LINE
- G — NATURAL GAS LINE
- POLE MOUNTED LIGHT
- DRAIN INLET
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- WATER VALVE
- ELECTRICAL AND COMMUNICATION VAULT

NORTH

0 20' 40'
SCALE: 1" = 20'

IDENTIFICATION STAMP
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APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

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DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

UTILITY PLAN

SHEET NO.
C1.06

ISSUE DATE: JULY 2023

ONE AND ONE-HALF INCH = ONE FOOT
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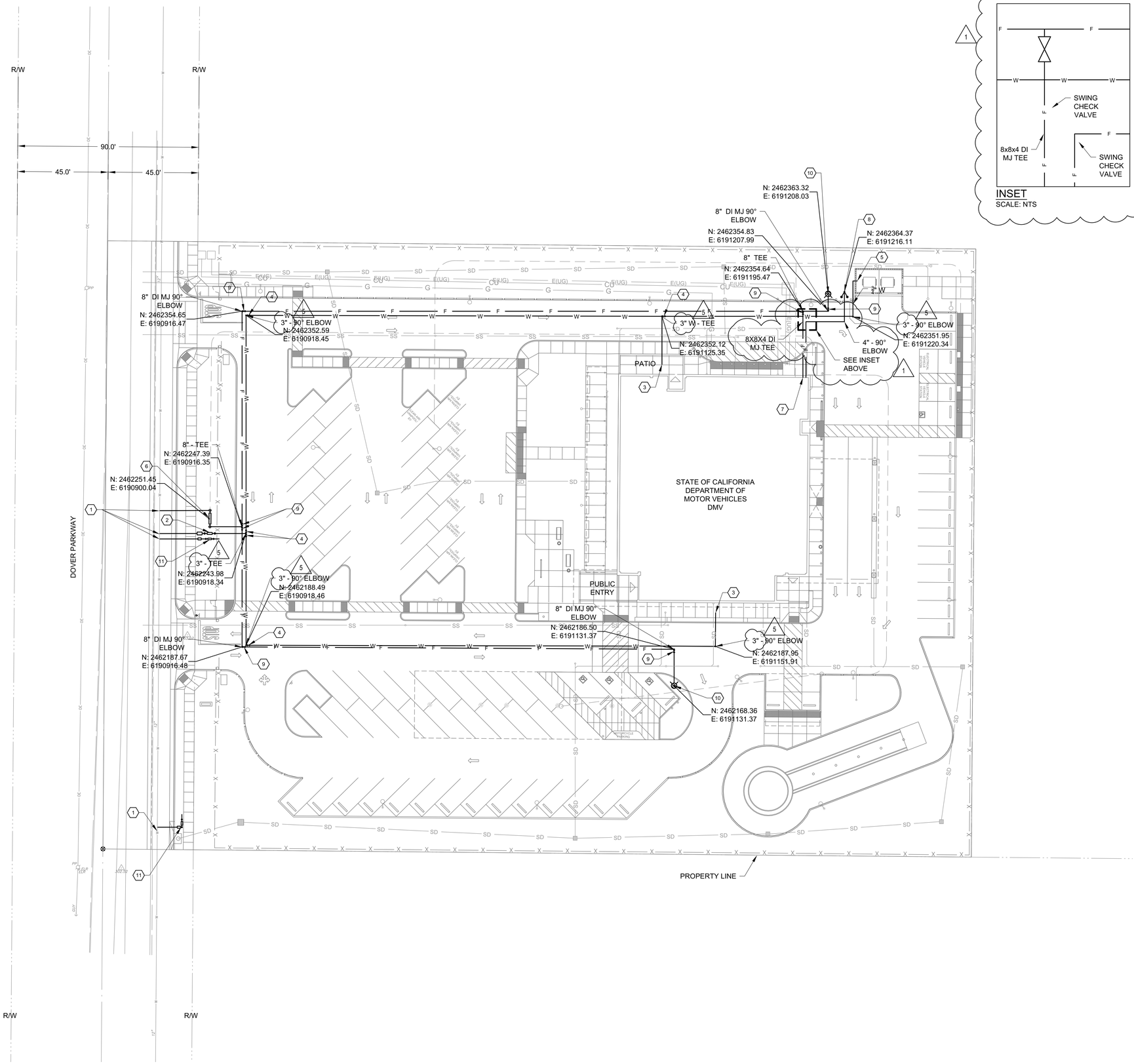

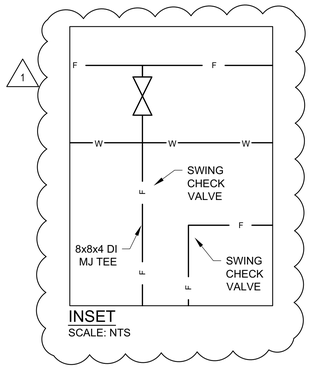

INSET
SCALE: NTS

KEYNOTES:

1. CONNECT TO EXISTING 12 INCH WATER LINE ALONG DOVER PARKWAY. COORDINATE WITH CITY OF DELANO ON REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS NECESSARY TO MAKE CONNECTION. SEE DETAIL 1/C5.04 AND 2/C5.04 FOR IRRIGATION AND DOMESTIC WATER CONNECTION AND METER.
2. INSTALL 3" DOMESTIC WATER REDUCED PRESSURE DETECTOR BACKFLOW PREVENTER. INSTALL ZURN 375 OR APPROVED EQUAL
3. POINT OF CONNECTION FOR DOMESTIC WATER LINE 5 FEET FROM BUILDING. SEE PLUMBING FOR CONTINUATION
4. INSTALL 3" BALL VALVE WITH TRAFFIC RATED COVER AND FRAME. COVER SHALL BE MARKED "WATER". VAULT SHALL BE SUPPORTED WITH 8 INCH WIDE AND DEEP REINFORCED CONCRETE COLLAR WITH #4 REBAR. BOTTOM OF VALVE BOX SHALL INCLUDE 6" THICK LAYER OF $\frac{3}{4}$" GRAVEL PLACED IN TWO- 3 INCH LIFTS.
5. INSTALL HOSE BIB. HOSE BIB SHALL BE LOCKABLE AND RECESSED IN CMU BLOCK WALL. HOSE BIB SHALL BE WOODFORD MODEL B24 OR APPROVED EQUAL.
6. INSTALL FIRE WATER DOUBLE CHECK DETECTOR BACKFLOW PREVENTER WITH OS&Y GATE VALVES
7. CONNECT TO FIRE RISER ROOM. SEE DETAIL 2/C5.05
8. INSTALL FIRE DEPARTMENT CONNECTION , SEE DETAIL 4/C5.05
9. INSTALL 8" DUCTILE IRON MECHANICAL JOINT GATE VALVE, SEE DETAIL 3/C5.05
10. INSTALL FIRE HYDRANT, SEE DETAIL 1/C5.05
11. INSTALL 1" IRRIGATION REDUCED PRESSURE DETECTOR BACKFLOW PREVENTER. INSTALL ZURN 375XLB OR APPROVED EQUAL

SHEET NOTES:

1. ALL DOMESTIC WATER LINES SHALL BE 3" PVC, ASTM D2241, SDR 21 RATING.
2. ALL FIRE WATER LINES SHALL BE 8" AWWA C900, DR-18 PVC.
3. THRUST BLOCKS SHALL BE INSTALLED AT ALL CHANGES IN DIRECTION ON BOTH THE DOMESTIC AND FIRE WATER LINES. SEE DETAIL 5/C5.04
4. SEE SHEET C1.06 FOR UTILITY PLAN
5. SEE SHEETS C5.04 AND C5.05 FOR WATER DETAILS

LEGEND:

- PV CONDUIT
- E(UG) ELECTRICAL UNDERGROUND
- F FIRE WATER
- SS SANITARY SEWER
- W DOMESTIC WATER
- SD STORM SEWER
- CU COMMUNICATION LINE
- G NATURAL GAS LINE
- POLE MOUNTED LIGHT
- DRAIN INLET
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- WATER VALVE
- SWING CHECK VALVE
- ELECTRICAL AND COMMUNICATION VAULT

NORTH

0 20' 40'
SCALE: 1" = 20'

1 WATER PLAN
1" = 20'

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1	SFM REVIEW	07/02/20
2	CITY PLAN CHECK	09/15/21

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

WATER PLAN

SHEET NO.

C1.07

ISSUE DATE: JULY 2023

1 STORM DRAIN PLAN
1" = 20'

NORTH

0 20' 40'
SCALE: 1" = 20'

KEYNOTES:

1. CONNECT TO STORM SEWER, COORDINATE WITH CITY OF DELANO ON REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS NECESSARY TO MAKE CONNECTION.
2. CONNECT DOWNSPOUTS TO 4" SDR 26 PVC STORM SEWER LATERALS. LATERALS SHALL BE SLOPED AT 2% UNLESS OTHERWISE NOTED. SEE DETAIL 1/C5.07
3. CONSTRUCT STORM DRAIN CLEANOUT, SEE DETAIL 3/C5.07
4. CONSTRUCT 4" TRENCH DRAIN FOR PATIO AREA, SEE DETAIL 5 AND 6/C5.06
5. INSTALL 6" PVC DOUBLE WYE WITH 1/8 BEND
6. CONSTRUCT AREA DRAIN, SEE DETAIL 2/C5.07
7. INSTALL INLET MARKER, SEE DETAIL 4/C5.06

SHEET NOTES:

1. ALL CHANGES IN DIRECTION OF 4" ROOF DRAIN LATERALS SHALL CONSIST OF A 4" TO 6" PVC WYE AND 1/8 BEND.
2. AREA DRAINS SHALL BE CONNECTED TO 6" PVC SDR 26 PIPE. ALL CHANGES IN DIRECTION TO INCLUDE 6" PVC WYE AND 1/8 BEND.
3. FILTER BAGS SHALL BE INSTALLED IN ALL DRAIN INLETS. SEE DETAIL 3/C5.06.
4. SEE SHEET C1.06 FOR UTILITY PLAN
5. SEE SHEETS C2.01 THROUGH C2.04 FOR STORM DRAIN PLANS AND PROFILES.
6. ADS HP-STORM PIPE OR APPROVED EQUAL SHALL BE USED FOR ALL STORM DRAIN PIPE WITHIN CITY RIGHT OF WAY. PIPE SHALL MEET ASTM F2881 OR AASHTO M330 STANDARDS AND HAVE A MANNINGS "n" VALUE OF 0.012. JOINTS SHALL BE WATERTIGHT IN ACCORDANCE WITH ASTM D3212. GASKETS SHALL MEET REQUIREMENTS OF ASTM F477. GASKETS SHALL BE INSTALLED BY PIPE MANUFACTURER AND COVERED WITH REMOVAL PROTECTIVE WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS PRIOR TO INSTALLATION. A JOINT LUBRICANT SHALL BE USED ON GASKET AND BELL DURING ASSEMBLY. TEST JOINTS IN ACCORDANCE WITH ASTM F1417 OR ASTM F2487. CONTACT MANUFACTURER FOR RECOMMENDED LEAKAGE RATES. INSTALL PIPE PER ASTM D2321 AND MANUFACTURER RECOMMENDATIONS.

LEGEND:

- PV CONDUIT
- E(UG) ELECTRICAL UNDERGROUND
- F FIRE WATER
- SS SANITARY SEWER
- W DOMESTIC WATER
- SD STORM SEWER
- CU COMMUNICATION LINE
- G NATURAL GAS LINE
- POLE MOUNTED LIGHT
- DRAIN INLET
- FIRE HYDRANT
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SHEET TITLE

STORM DRAIN PLAN

SHEET NO.

C1.08

ISSUE DATE: JULY 2023

ONE AND ONE-HALF INCH = ONE FOOT

ONE INCH = ONE FOOT

THREE-QUARTERS INCH = ONE FOOT

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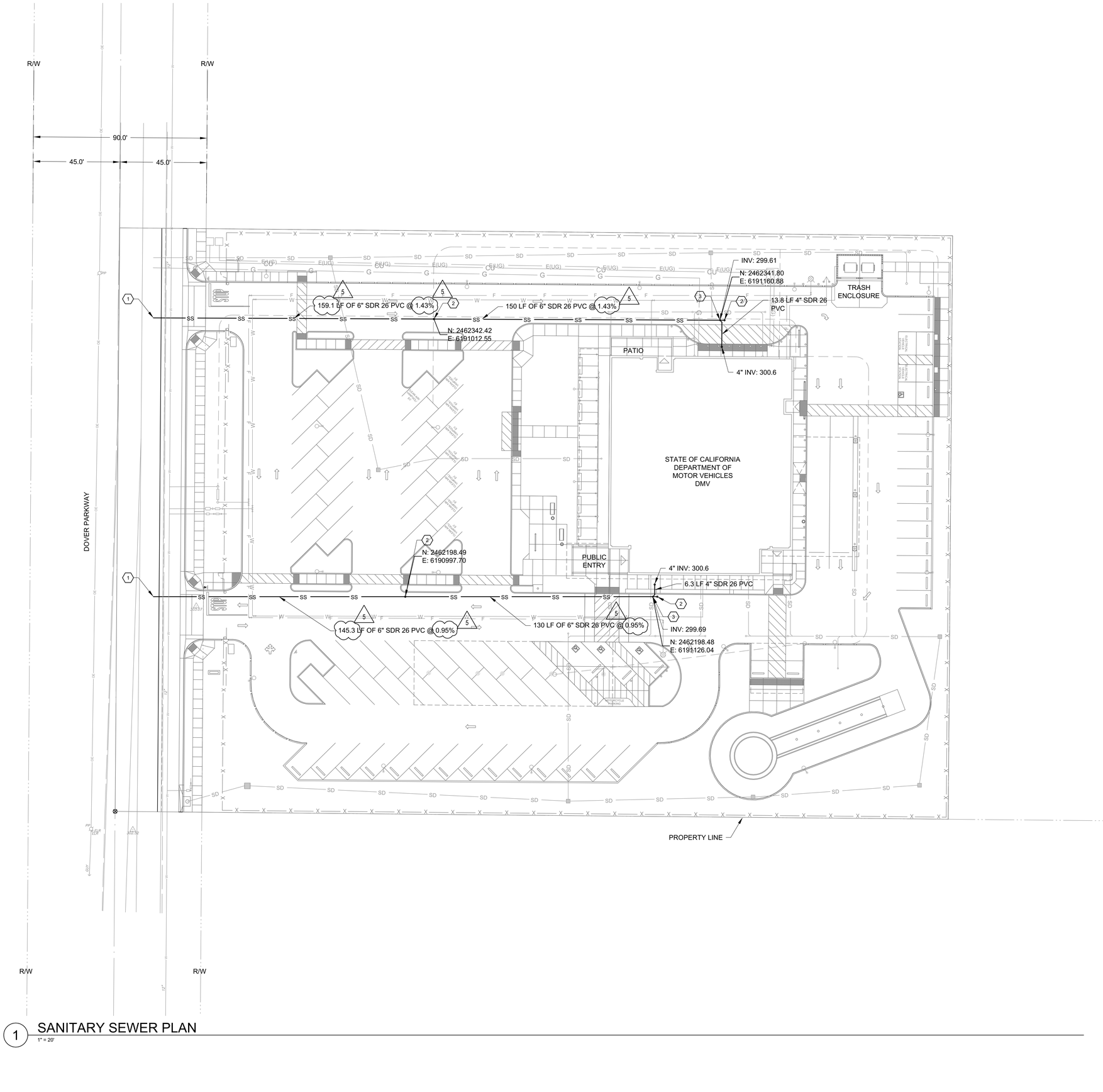
ONE INCH = TWENTY FEET



1 SANITARY SEWER PLAN
1" = 20'

NORTH

0 20' 40'
SCALE: 1" = 20'

KEYNOTES:

1. CONNECT TO SANITARY SEWER, COORDINATE WITH CITY OF DELANO ON REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS NECESSARY TO MAKE CONNECTION.
2. CONSTRUCT SEWER CLEANOUT. SEE DETAIL 2/C5.08
3. CONSTRUCT 6" x 6" x 4" PVC WYE AND 1/8 BEND

SHEET NOTES:

1. SANITARY SEWER SHALL BE INSTALLED MINIMUM 10 FEET HORIZONTALLY AND 1 FOOT VERTICALLY BELOW DOMESTIC WATER LINE.
2. SEE SHEET C1.06 FOR UTILITY PLAN
3. SEE SHEETS C2.05 AND C2.06 FOR PLANS AND PROFILES.

LEGEND:

- PV CONDUIT
- E(UG) — ELECTRICAL UNDERGROUND
- F — FIRE WATER
- SS — SANITARY SEWER
- W — DOMESTIC WATER
- SD — STORM SEWER
- CU — COMMUNICATION LINE
- G — NATURAL GAS LINE
- POLE MOUNTED LIGHT
- DRAIN INLET
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- WATER VALVE
- ELECTRICAL AND COMMUNICATION VAULT

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SHEET TITLE

SANITARY SEWER PLAN

SHEET NO.

C1.09

ISSUE DATE: JUL V4 2023

KEYNOTES:

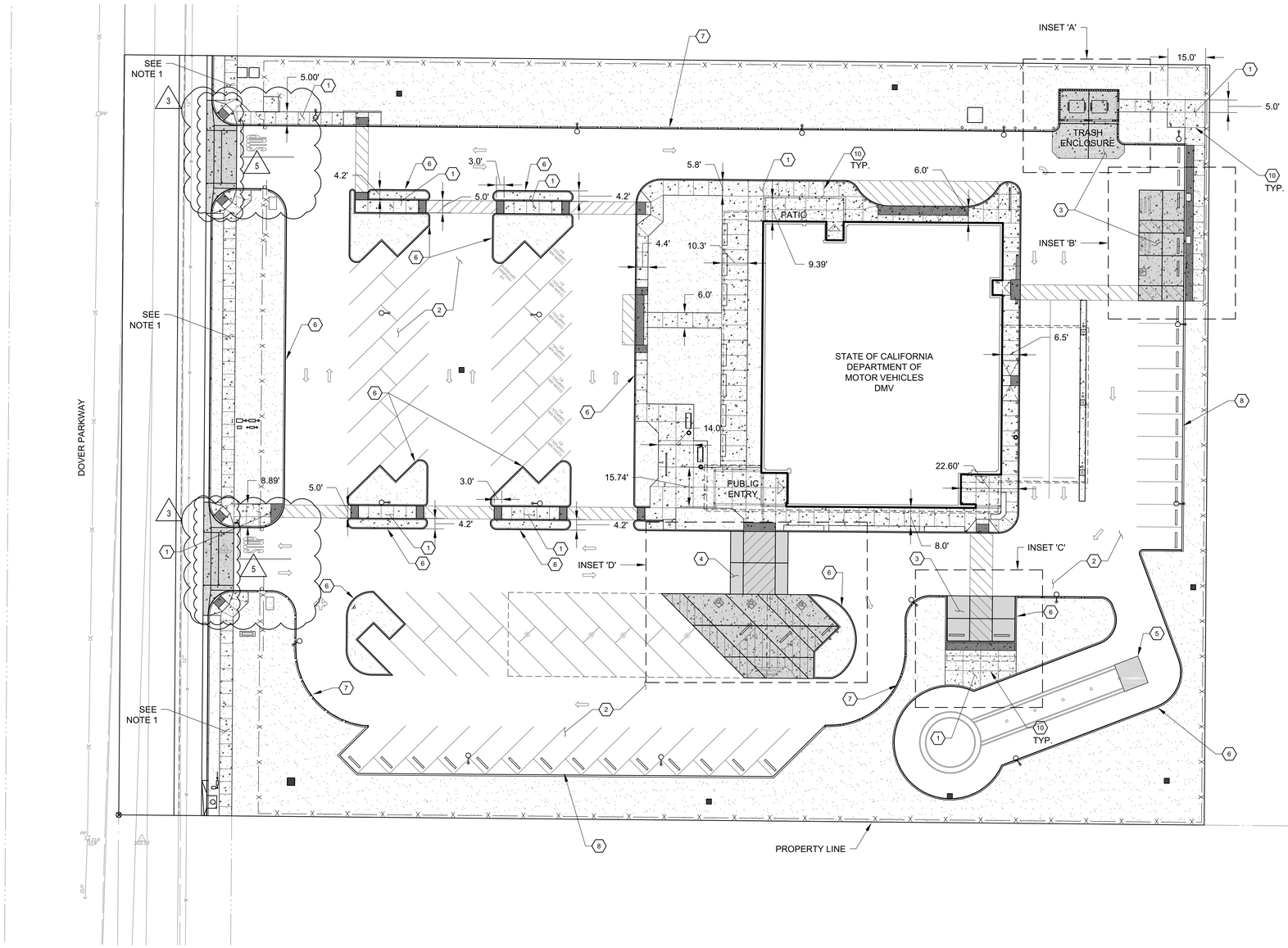
1. CONSTRUCT CONCRETE WALKWAY, SEE DETAIL 1/C5.09
2. CONSTRUCT ASPHALT PAVEMENT, SEE DETAIL 2/C5.09
3. CONSTRUCT CONCRETE PAVEMENT, SEE DETAIL 3/C5.09
4. CONCRETE TRAFFIC TABLE, SEE DETAIL 5/C5.09.
5. CONCRETE PAD, SEE DETAIL 3/C5.02.
6. CONCRETE CURB WITHOUT CURB-CUTS (DETAIL 4/C5.09, SECTION 1)
7. CONCRETE CURB WITH CURB-CUTS (DETAIL 4/C5.09, SECTION 2)
8. 0" CONCRETE CURB. SECTION OF CURB TO MATCH DETAIL 4/C5.09, SECTION 2. 0" AT ALL AREAS PLAN SOUTH AND EAST OF PARKING BUMPERS
9. CONCRETE TO ASPHALT TRANSITION. SEE DETAIL 9/C5.09.
10. CONCRETE WALKWAY WEAKENED PLANE JOINTS. EQUALLY SPACED BUT NOT TO EXCEED 6 FOOT SPACING.

1 SHEET NOTES:

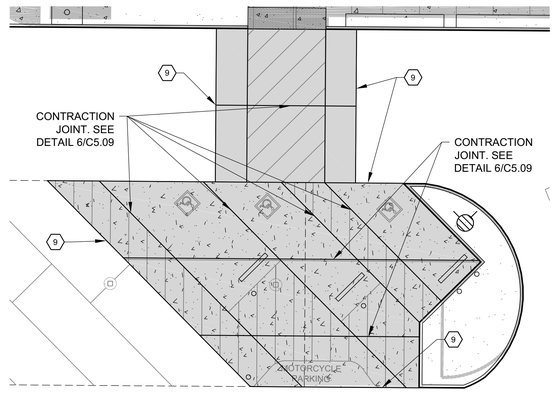
1. CONCRETE SITE ENTRANCE, SIDEWALK, AND CURB AND GUTTER WITHIN RIGHT OF WAY SHALL CONFORM TO CITY OF DELANO STANDARD DETAILS
2. CONTRACTOR SHALL COORDINATE WITH THE CITY OF DELANO PRIOR TO ANY CONSTRUCTION WORK PERFORMED WITHIN THE RIGHT OF WAY
3. ALL CONCRETE PAVEMENT EDGES TO HAVE THICKENED EDGES. SEE DETAIL 7/C5.09.
4. SEE SHEET C5.09 FOR PAVEMENT DETAILS

LEGEND:

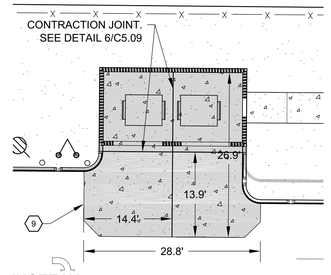
- DROUGHT TOLERANT, EASILY MAINTAINED LANDSCAPING, SEE LANDSCAPING PLANS
- CONCRETE WALKWAYS (1 C5.09)
- ASPHALT PAVEMENT (2 C5.09)
- CONCRETE PAVEMENT (3 C5.09)



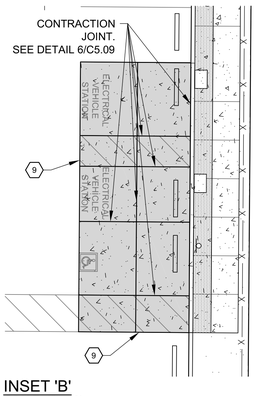
1 PAVING PLAN
1" = 20'



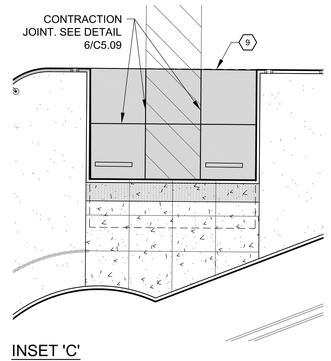
INSET 'D'
SCALE: 1" = 10'



INSET 'A'
SCALE: 1" = 10'



INSET 'B'
SCALE: 1" = 10'



INSET 'C'
SCALE: 1" = 10'

NORTH

0 20' 40'
SCALE: 1" = 20'

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JOB NO. DGS 140724

SHEET TITLE

PAVING PLAN

SHEET NO.

C1.10

ISSUE DATE: JULY4 2023

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ONE INCH = TWENTY FEET

KEYNOTES:

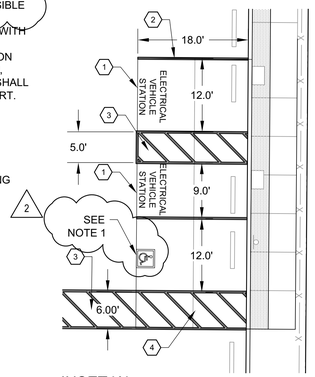
1. WHITE PAVEMENT STRIPING. LETTERS SHALL BE 12" HIGH WITH SPACING SIMILAR TO DETAIL 2/C5.10.
2. 4" WIDE WHITE PAVEMENT STRIPE
3. 4" WIDE WHITE PAVEMENT STRIPING AT 45 DEGREES AT MAXIMUM 3 FEET ON CENTER WITH 4" WIDE WHITE BORDER
4. 4" WIDE BLUE PAVEMENT STRIPING AT 45 DEGREES AT MAXIMUM 3 FEET ON CENTER WITH 4" WIDE BLUE BORDER FOR LENGTH AND WIDTH OF ACCESSIBLE AISLE
5. 4" WIDE WHITE PAVEMENT STRIPING FOR PARKING SPACES
6. MOTORCYCLE AREA STRIPING PER DETAIL 3/C5.02.
7. STOP BAR STRIPING. SEE DETAIL 3/C5.10.
8. STRAIGHT ARROW. SEE DETAIL 5/C5.10.
9. MULTI-TURN ARROW. SEE DETAIL 6/C5.10.
10. RIGHT -TURN ARROW. SEE DETAIL 7/C5.10.
11. 4" WIDE YELLOW PAVEMENT STRIPING AT 45 DEGREES AT MAXIMUM 3 FEET ON CENTER
12. PAINT CONCRETE CURB WITHINC ACCESSIBLE SPACE BLUE.

SHEET NOTES:

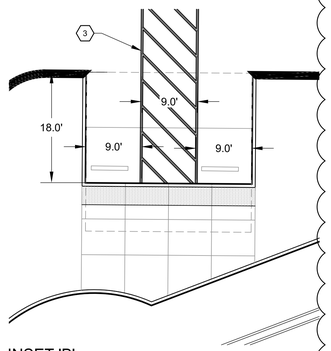
1. SEE SHEET C5.03 FOR STRIPING OF ACCESSIBLE PARKING SPACES.
2. CONCRETE CURBS SHALL BE PAINTED RED WITH 4" HIGH WHITE LETTERING READING " NO PARKING - FIRE LANE". PAINTING SHALL BE ON FACE OF CURB. WHERE THERE IS A 0" CURB, LETTER SHALL BE PAINTED ON TOP. PAINT SHALL BE STENCILED NO MORE THAN 30 FEET APART. SEE DETAIL 4/C5.10.

LEGEND:

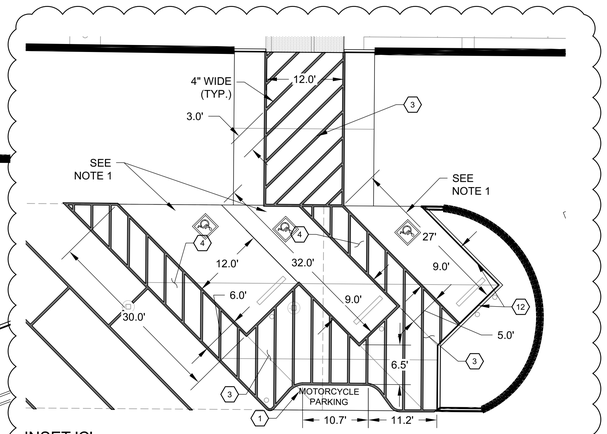
"NO PARKING - FIRE LANE" STRIPING



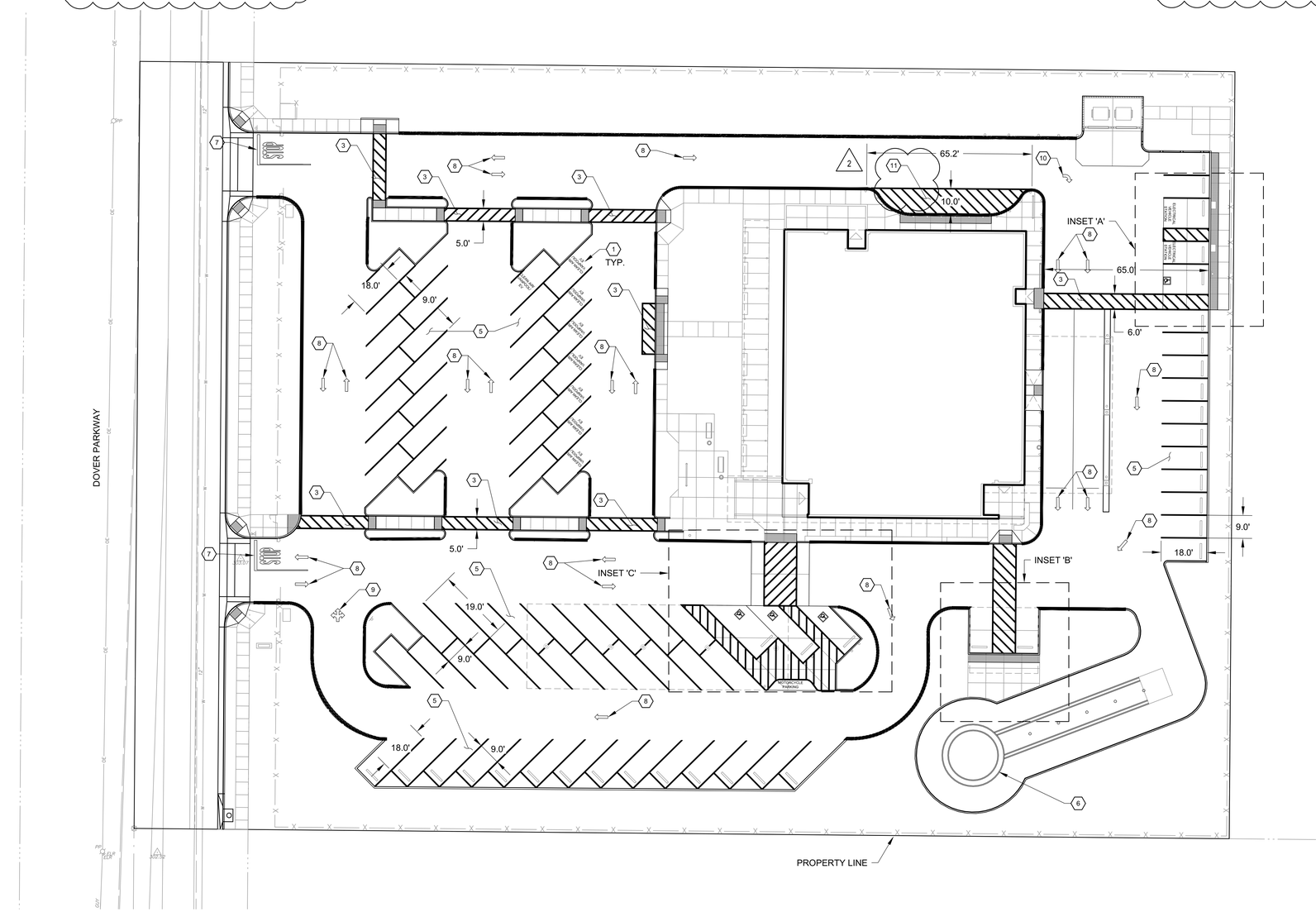
INSET 'A'
SCALE: 1" = 10'



INSET 'B'
SCALE: 1" = 10'



INSET 'C'
SCALE: 1" = 10'



1 STRIPING PLAN
1" = 20'

NORTH

0 20' 40'
SCALE: 1" = 20'

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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12/07/21
20-1059
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CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA
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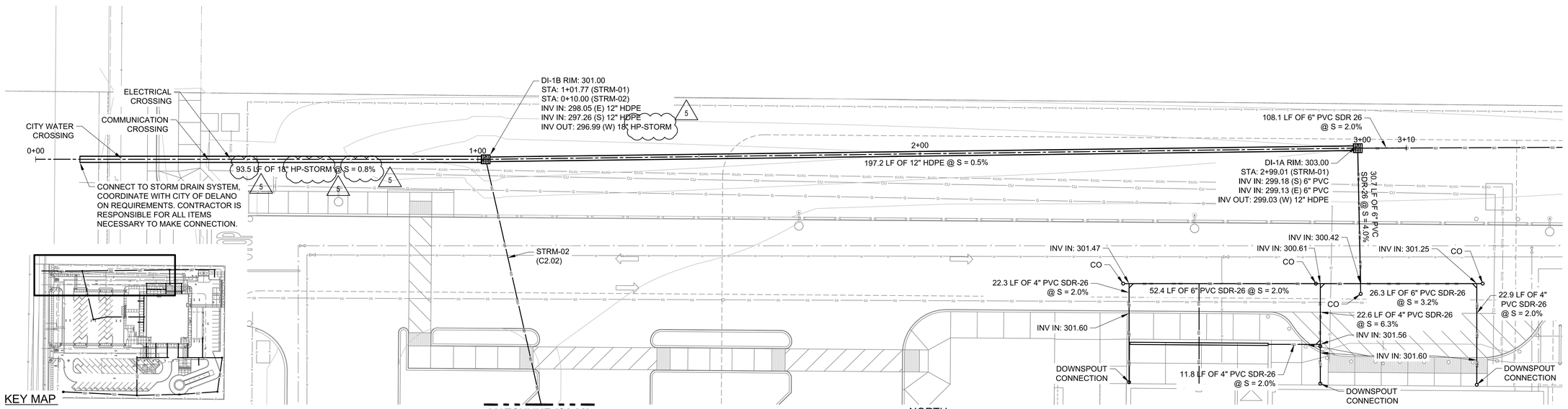
NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20
2	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

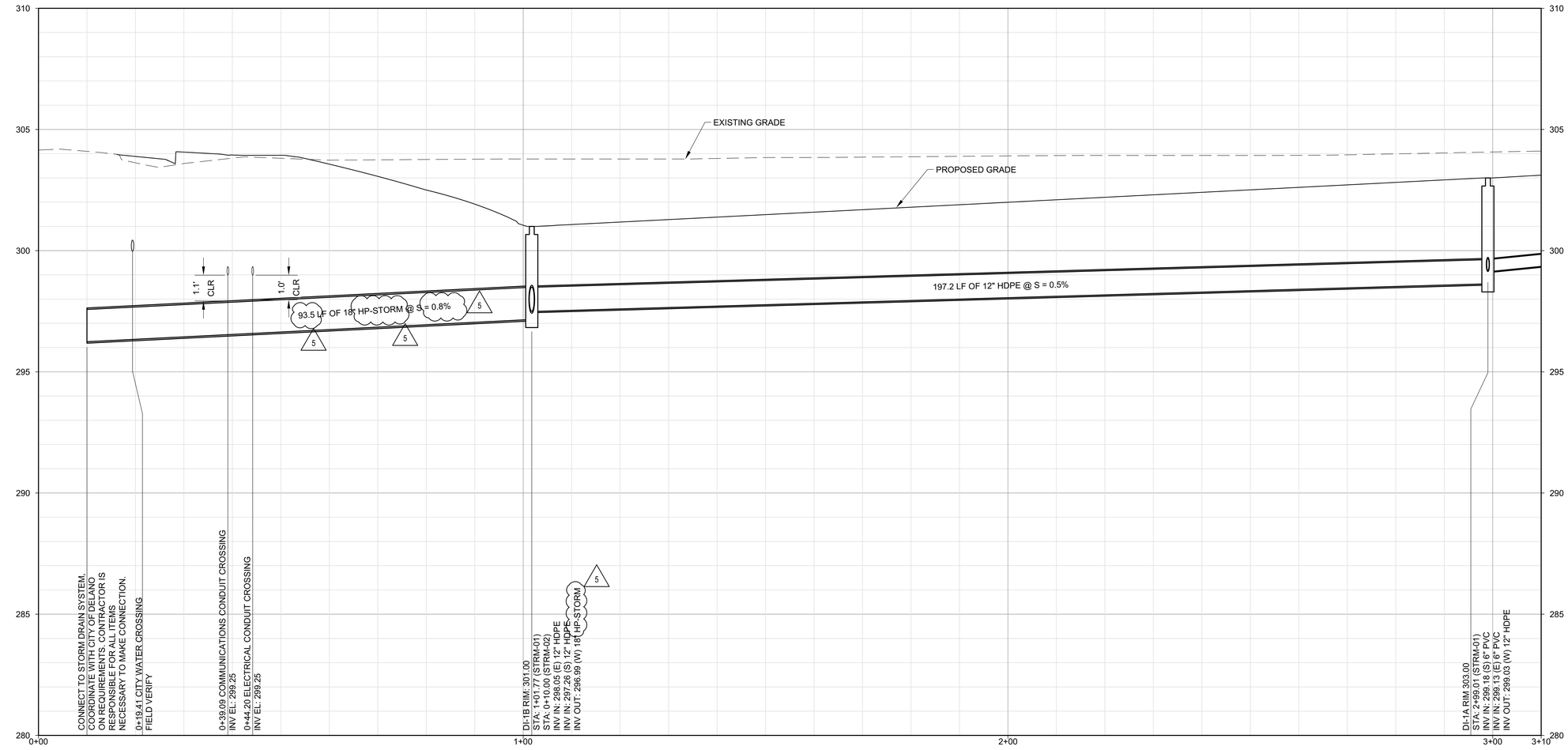
STRIPING PLAN

SHEET NO.
C1.11

ISSUE DATE: JULY4 2023



STORM DRAIN SYSTEM (STRM-01) STA: 0+00 TO STA: 3+10
SCALE: 1" = 10'



STORM WATER SYSTEM (STRM-01) STA: 0+00 TO STA: 3+10
SCALE: HOR: 1" = 10'
VER: 1" = 2'

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
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ONE INCH = TWENTY FEET

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NO.	DESCRIPTION	DATE
1	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

STORM DRAIN SYSTEM PLAN & PROFILE 1 OF 4

SHEET NO.
C2.01

ISSUE DATE: JULY 2023

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
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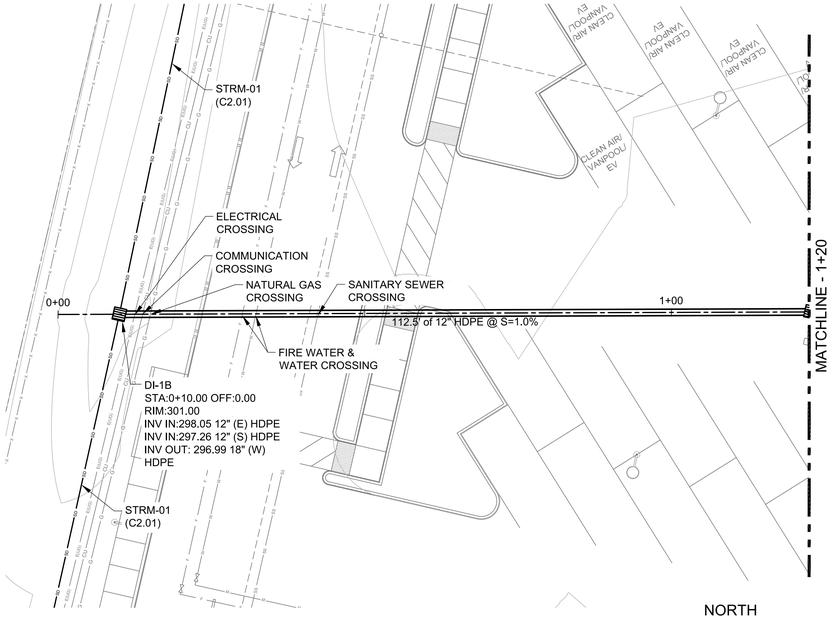
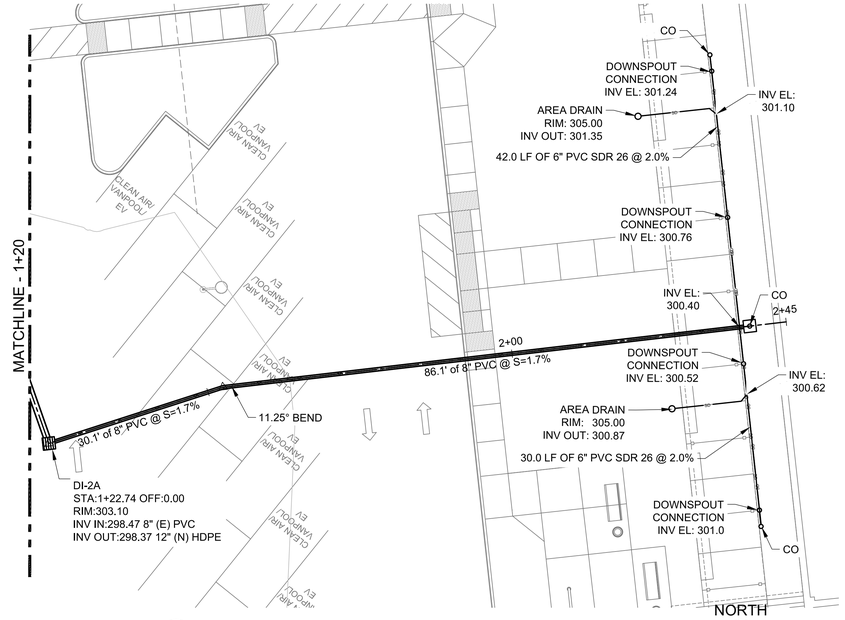
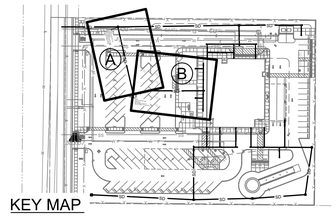
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

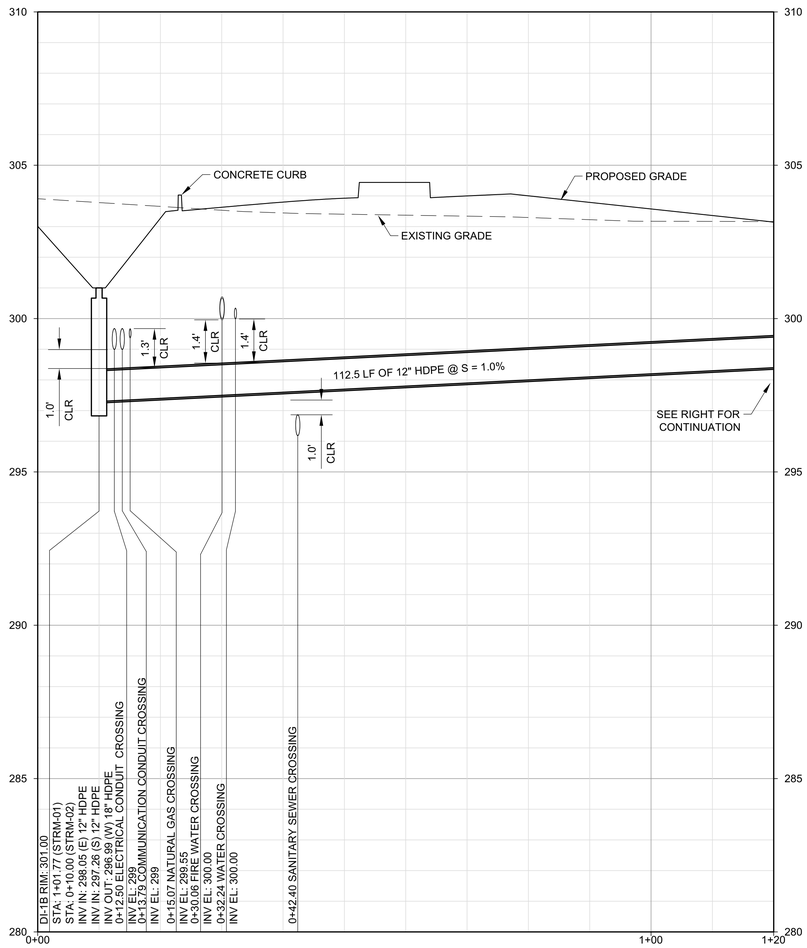


A STORM DRAIN SYSTEM (STRM-02) STA: 0+00 TO STA: 1+20
SCALE: 1" = 10'

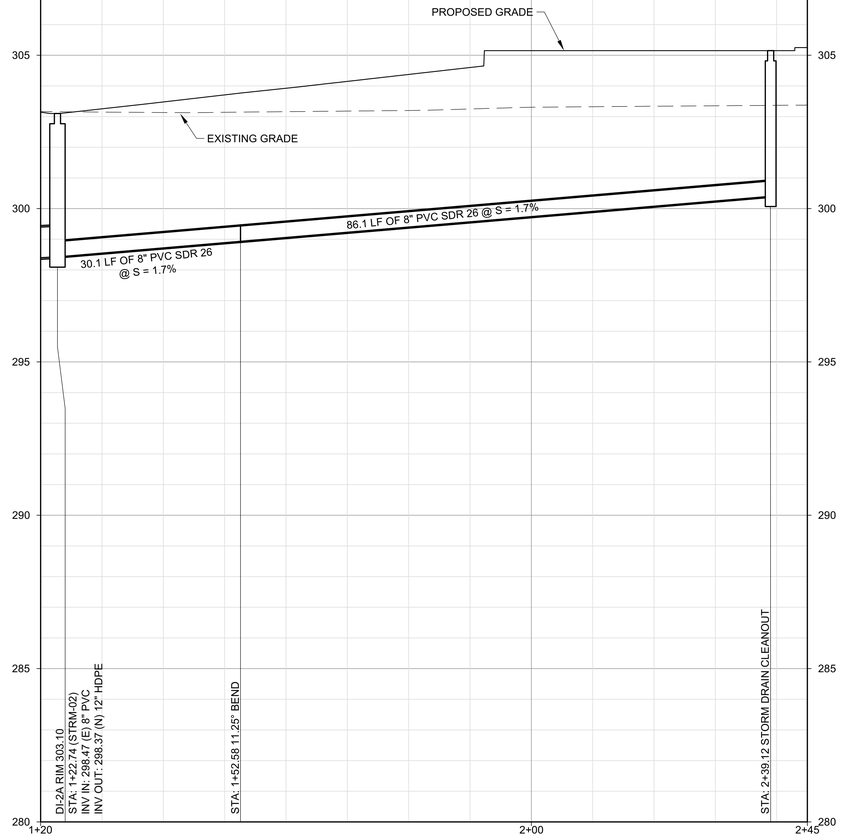


B STORM DRAIN SYSTEM (STRM-02) STA: 1+20 TO STA: 2+45
SCALE: 1" = 10'





STORM DRAIN SYSTEM (STRM-02) STA: 0+00 TO STA: 1+20
SCALE: HOR: 1" = 10'
VER: 1" = 2'



STORM DRAIN SYSTEM (STRM-02) STA: 1+20 TO STA: 2+45
SCALE: HOR: 1" = 10'
VER: 1" = 2'

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NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

STORM DRAIN SYSTEM PLAN & PROFILE 2 OF 4

SHEET NO.

C2.02

ISSUE DATE: JULY , 2020
V3

ONE AND ONE-HALF INCH = ONE FOOT
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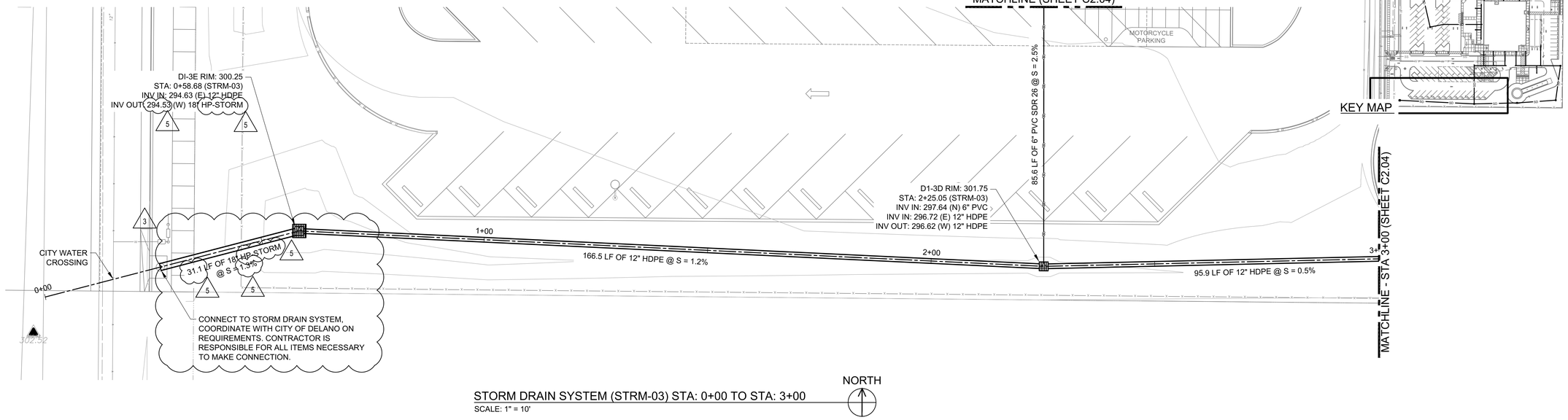
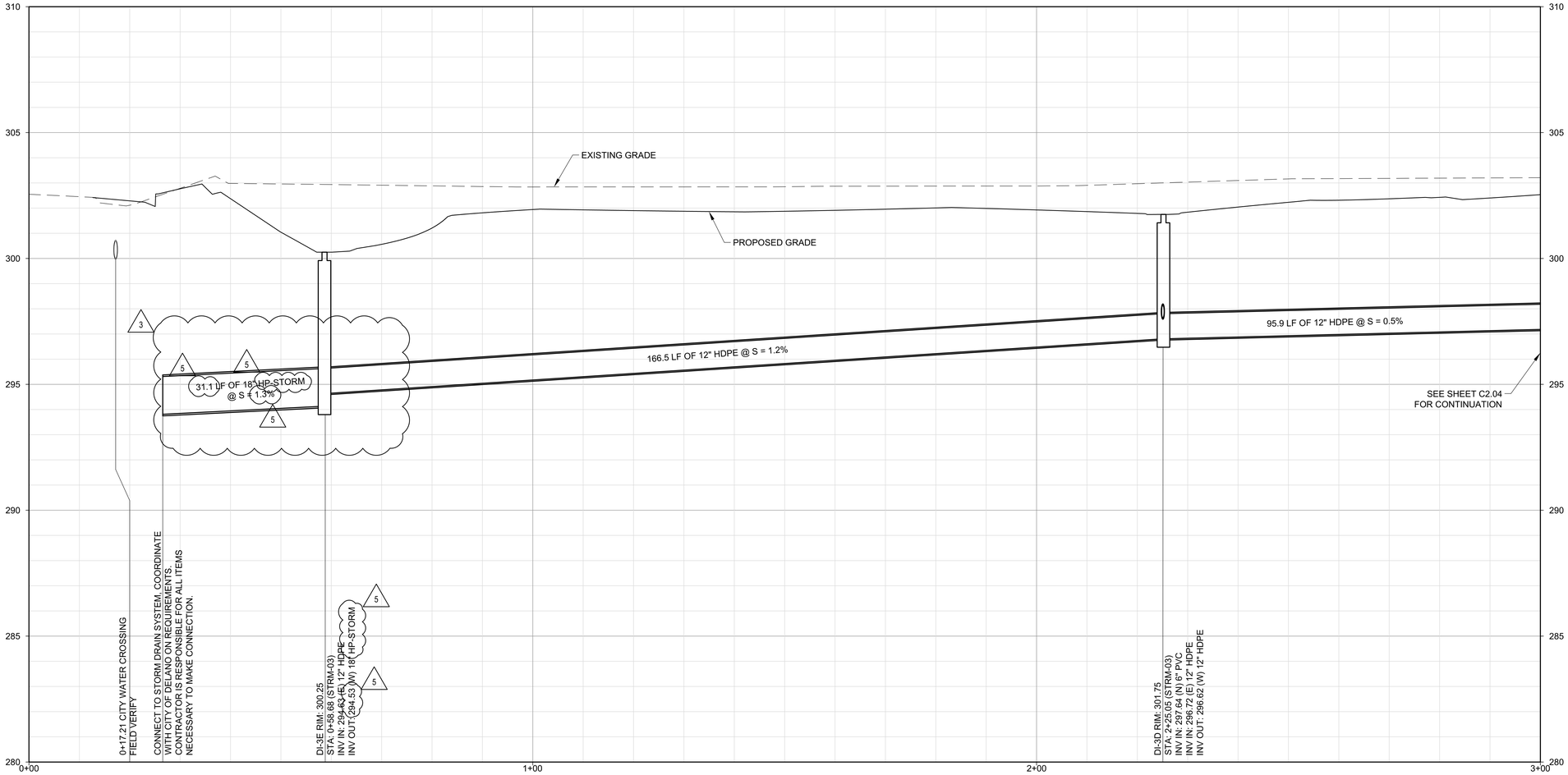


STORM DRAIN SYSTEM (STRM-03) STA: 0+00 TO STA: 3+00
SCALE: 1" = 10'

NORTH



STORM DRAIN SYSTEM (STRM-03) STA: 0+00 TO STA: 3+00
SCALE: HOR: 1" = 10'
VER: 1" = 2'

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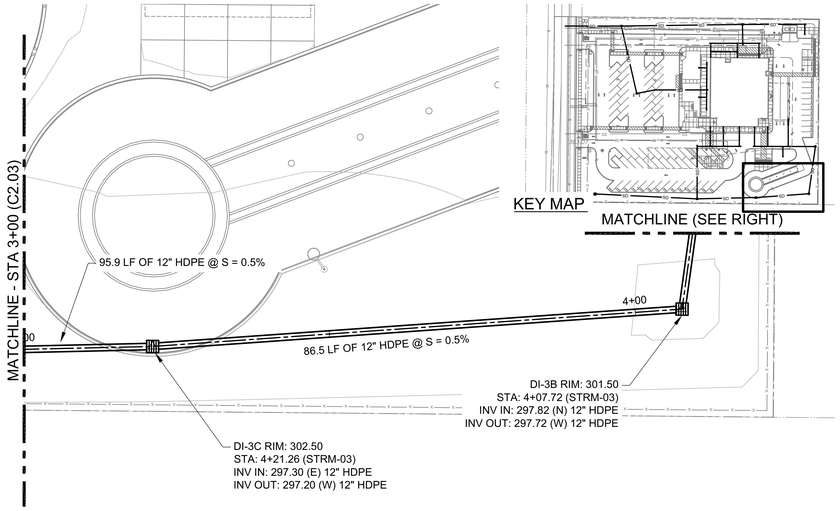
1	CITY REVIEW	07/02/20
1	CITY PLAN CHECK	09/15/21

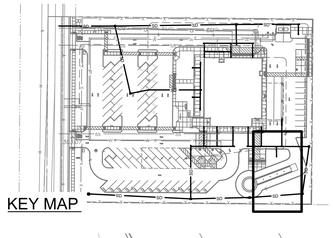
DATE 04/08/2020
JOB NO. DGS 140724

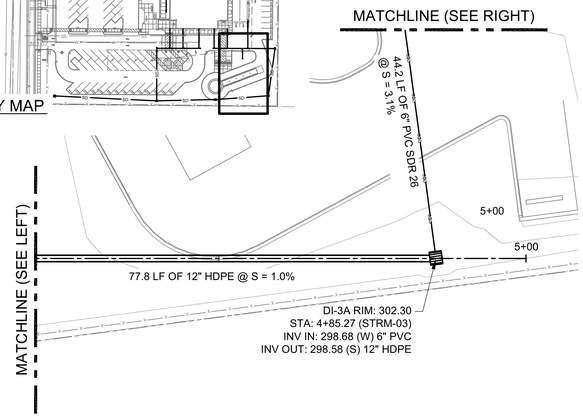
SHEET TITLE
STORM DRAIN SYSTEM PLAN & PROFILE 3 OF 4

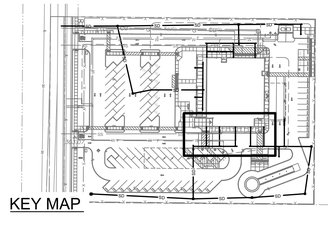
SHEET NO.
C2.03

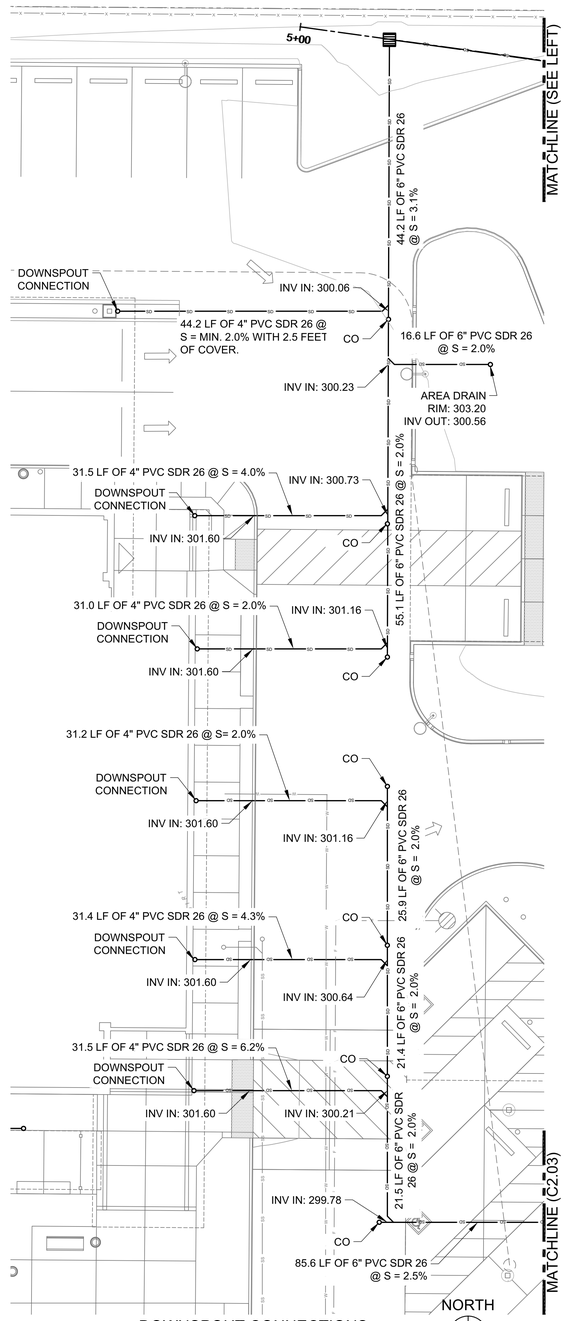
ISSUE DATE: JULY 2023





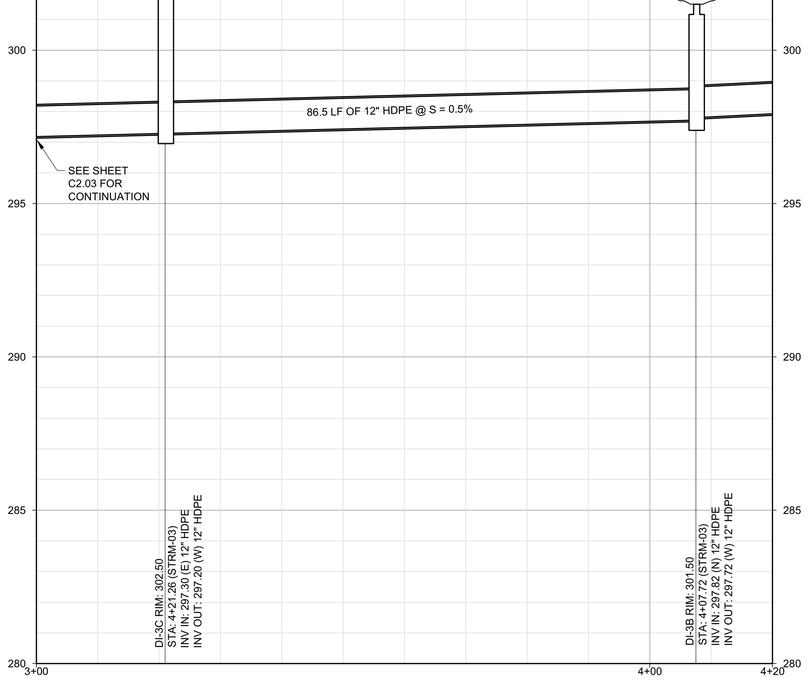






STORM DRAIN SYSTEM (STRM-03) STA: 3+00 TO STA: 4+20

SCALE: 1" = 10'

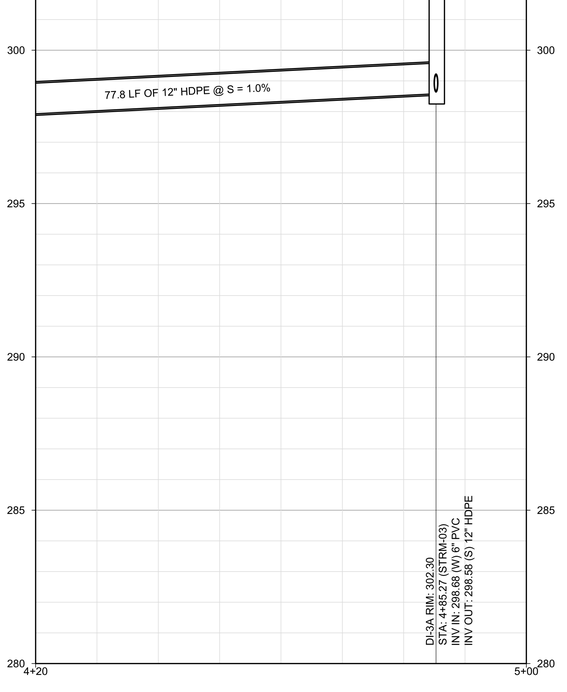


STORM DRAIN SYSTEM (STRM-03) STA: 3+00 TO STA: 4+20

SCALE: HOR: 1" = 10' SCALE:
VER: 1" = 2'

STORM DRAIN SYSTEM (STRM-03) STA: 4+20 TO STA: 5+00

SCALE: 1" = 10'



STORM DRAIN SYSTEM (STRM-03) STA: 4+20 TO STA: 5+00

SCALE: HOR: 1" = 10'
VER: 1" = 2'

DOWNSPOUT CONNECTIONS

SCALE: 1" = 10'

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NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

STORM DRAIN SYSTEM PLAN & PROFILE 4 OF 4

SHEET NO.

C2.04

ISSUE DATE: JULY , 2019

V3

ONE AND ONE-HALF INCH = ONE FOOT
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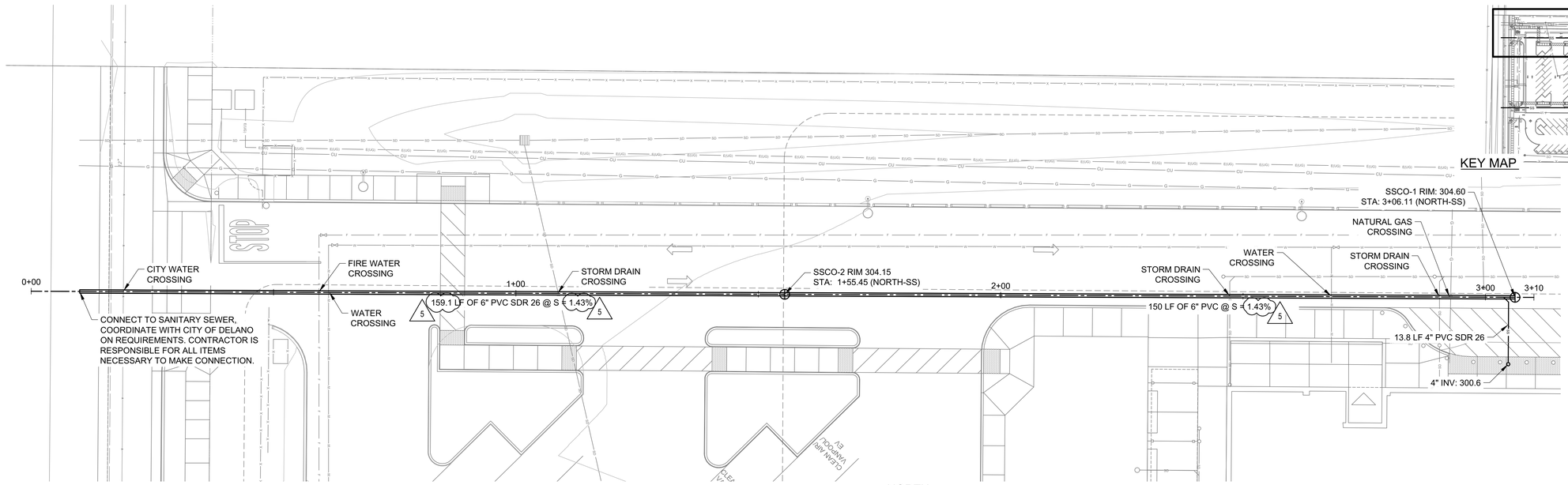
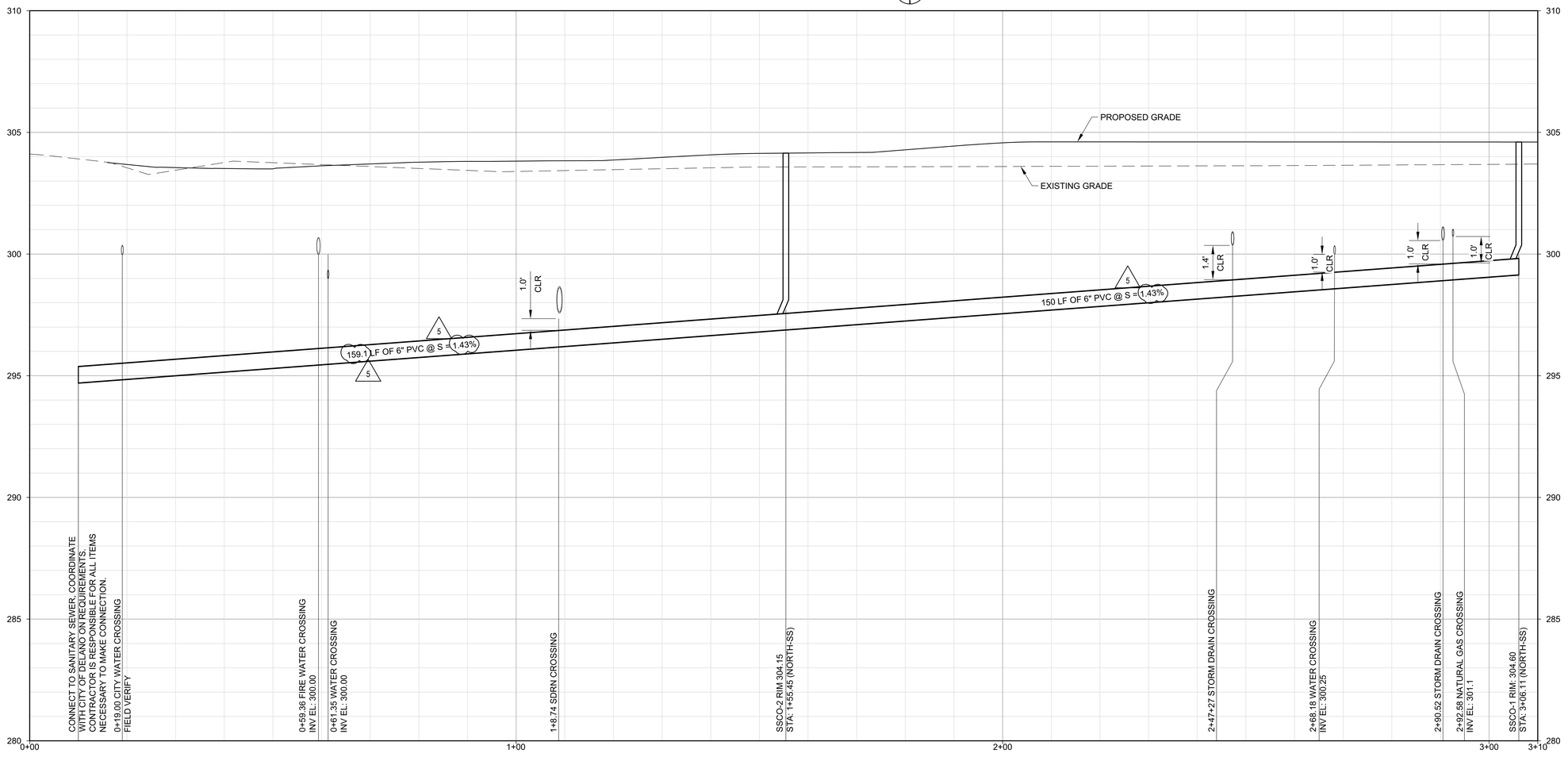


KEY MAP

SANITARY SYSTEM NORTH - PLAN
SCALE: 1" = 10'

NORTH



SANITARY SYSTEM NORTH - PROFILE
SCALE: HOR: 1" = 10'
VER: 1" = 2'

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
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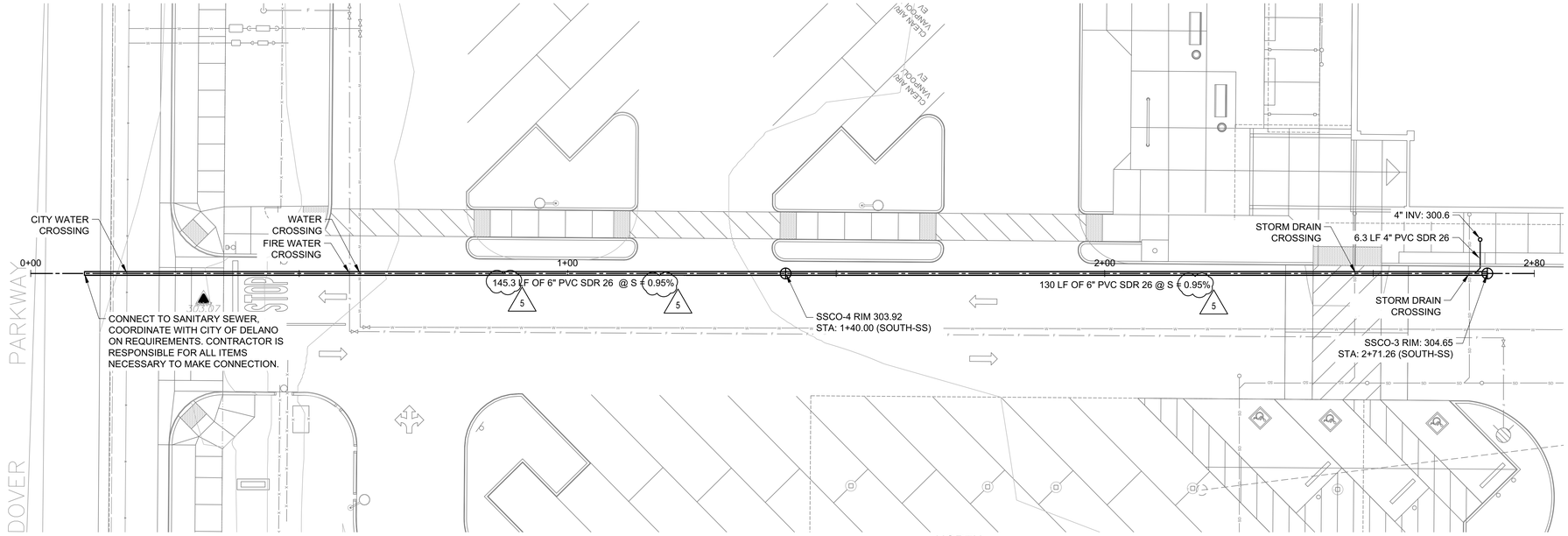
DATE 04/08/2020
JOB NO. DGS 140724

SHEET TITLE
SANITARY SYSTEM - NORTH PLAN & PROFILE

SHEET NO.
C2.05

ISSUE DATE: JULY 2023

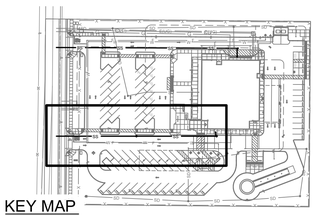


SANITARY SYSTEM SOUTH - PLAN
SCALE: 1" = 10'

NORTH

SANITARY SYSTEM SOUTH - PROFILE
SCALE: HOR: 1" = 10'
VER: 1" = 2'

KEY MAP



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DATE 04/08/2020

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SHEET TITLE

SANITARY SYSTEM - SOUTH PLAN & PROFILE

SHEET NO.

C2.06

ISSUE DATE: JULY 2023

ONE AND ONE-HALF INCH = ONE FOOT
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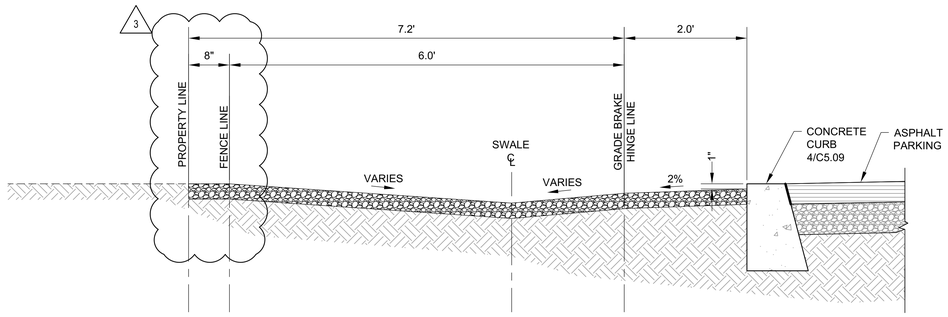
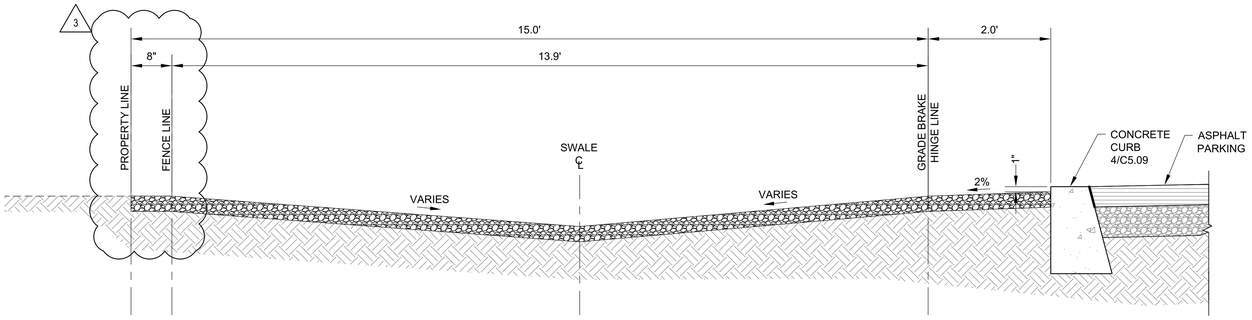
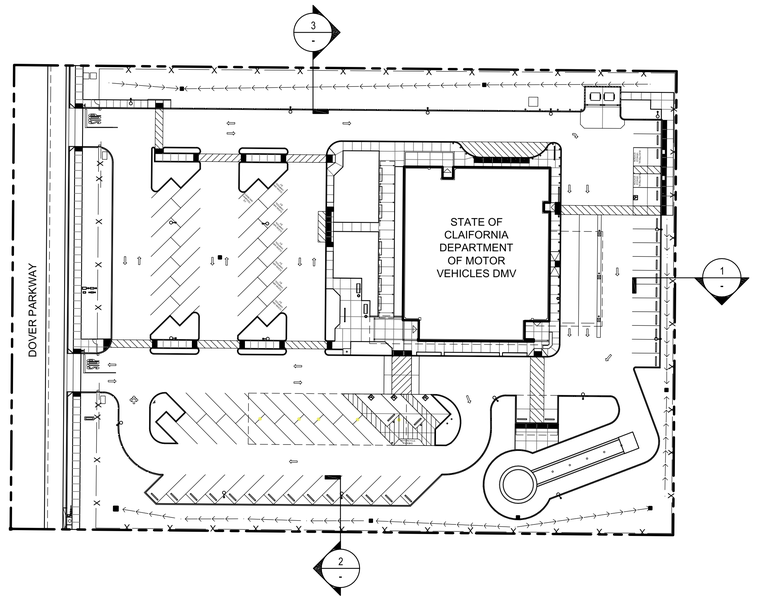
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



1 CONCRETE CURB @ EASTERN PARKING SWALE

1" = 1'-0"





SITE PLAN - CROSS SECTION KEY

SCALE: 1" = 40'

0 40' 80'

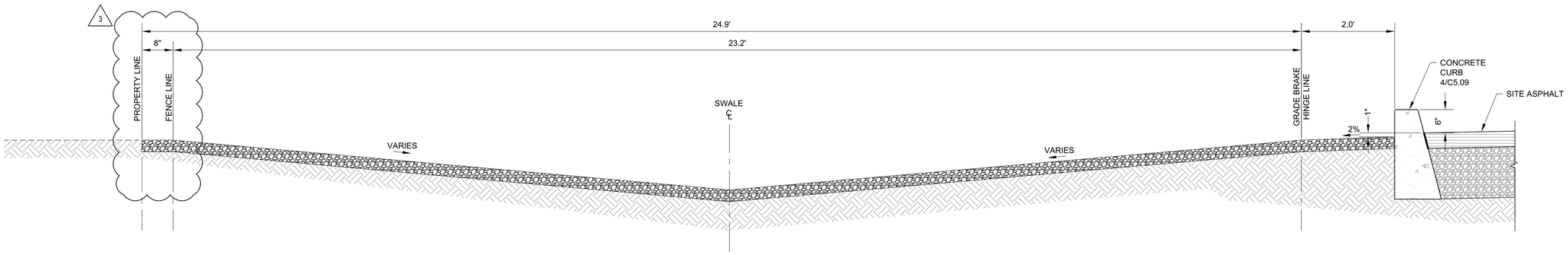
NORTH

SHEET NOTES:

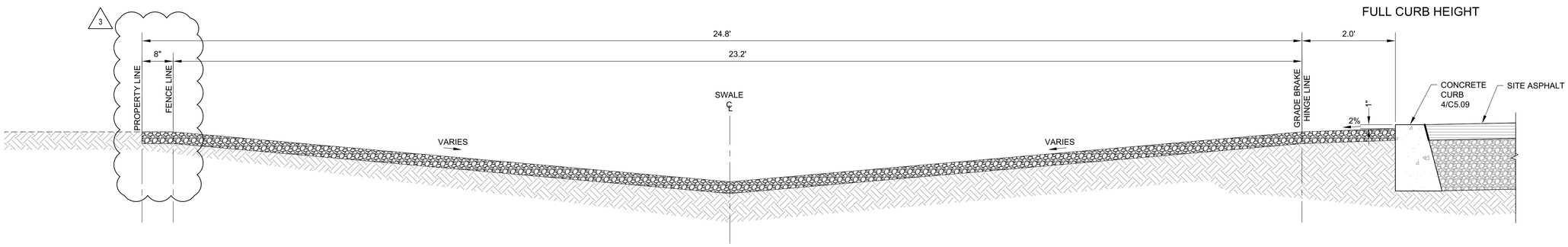
1. SHEET IS INTENDED TO SHOW 2 FOOT WIDE AREA SLOPED AT MAXIMUM 2% AT EDGE OF SWALES AND WIDTH OF SWALES IN RELATION TO PROPERTY LINE.
2. FOR CLARITY, NO LANDSCAPING OR OTHER SITE FEATURES ARE SHOWN.

2 CONCRETE CURB @ SOUTHERN PARKING SWALE

1" = 1'-0"



FULL CURB HEIGHT



CURB-CUT

3 CONCRETE CURB @ NORTH SITE ROAD SWALE

1" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN FONG
C 87304
CIVIL
STATE OF CALIFORNIA
08/07/2020

CONSULTANT
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600 Q Street, Suite 100
Sacramento, CA 95811
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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	CITY REVIEW	07/02/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

TYPICAL CROSS SECTIONS

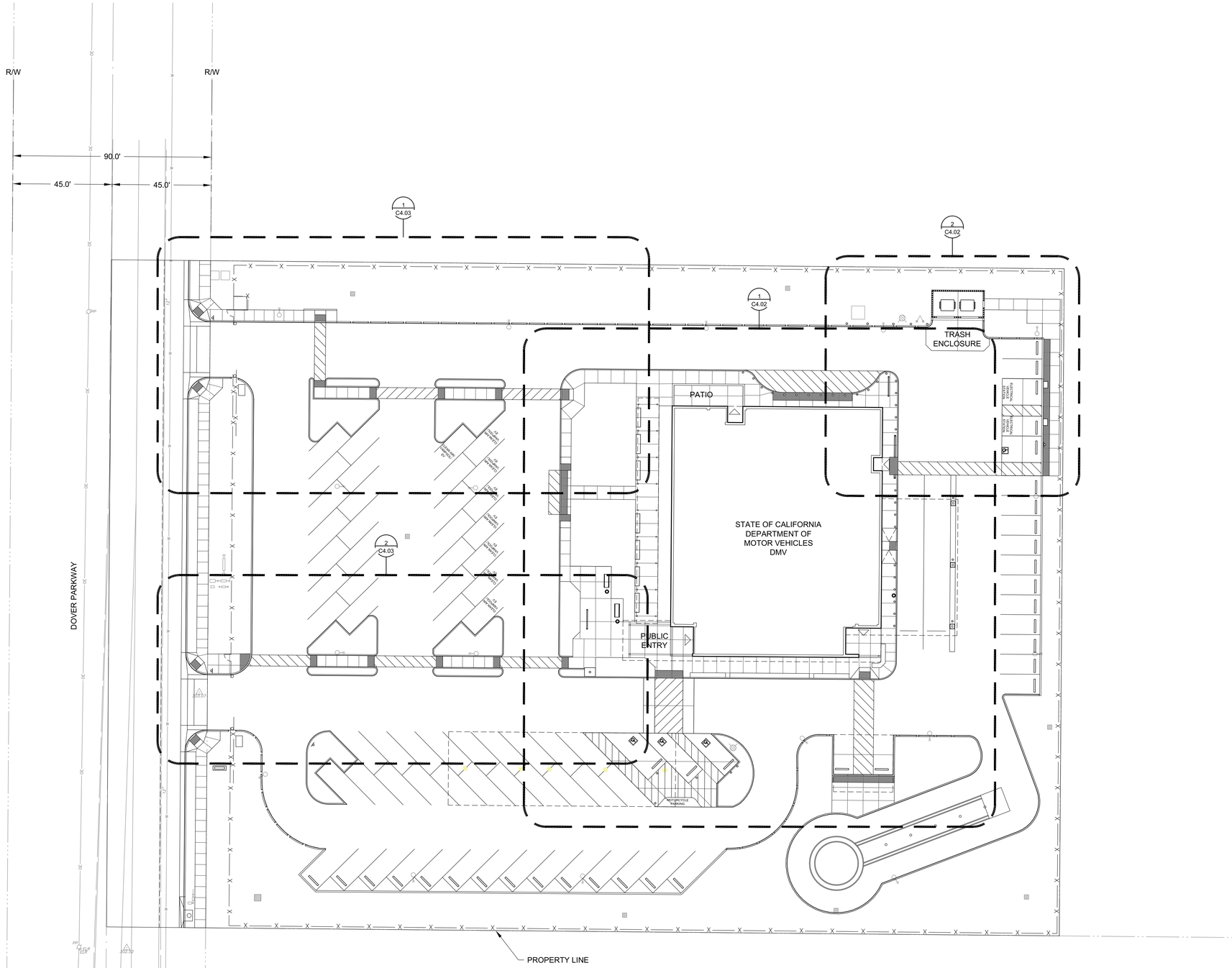
SHEET NO.

C3.01

ISSUE DATE: JULY , 2009

V3

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



NORTH

0 20' 40'

SCALE: 1" = 20'

1 ENLARGED VIEWS KEY MAP

1" = 20'

ONE AND ONE-HALF INCH = ONE FOOT

ONE INCH = ONE FOOT

THREE-QUARTERS INCH = ONE FOOT

ONE-HALF INCH = ONE FOOT

ONE-QUARTER INCH = ONE FOOT

ONE-EIGHTH INCH = ONE FOOT

ONE-SIXTEENTH INCH = ONE FOOT

ONE INCH = TWENTY FEET

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	CITY PLAN CHECK	09/15/21

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

ENLARGED VIEWS KEY MAP

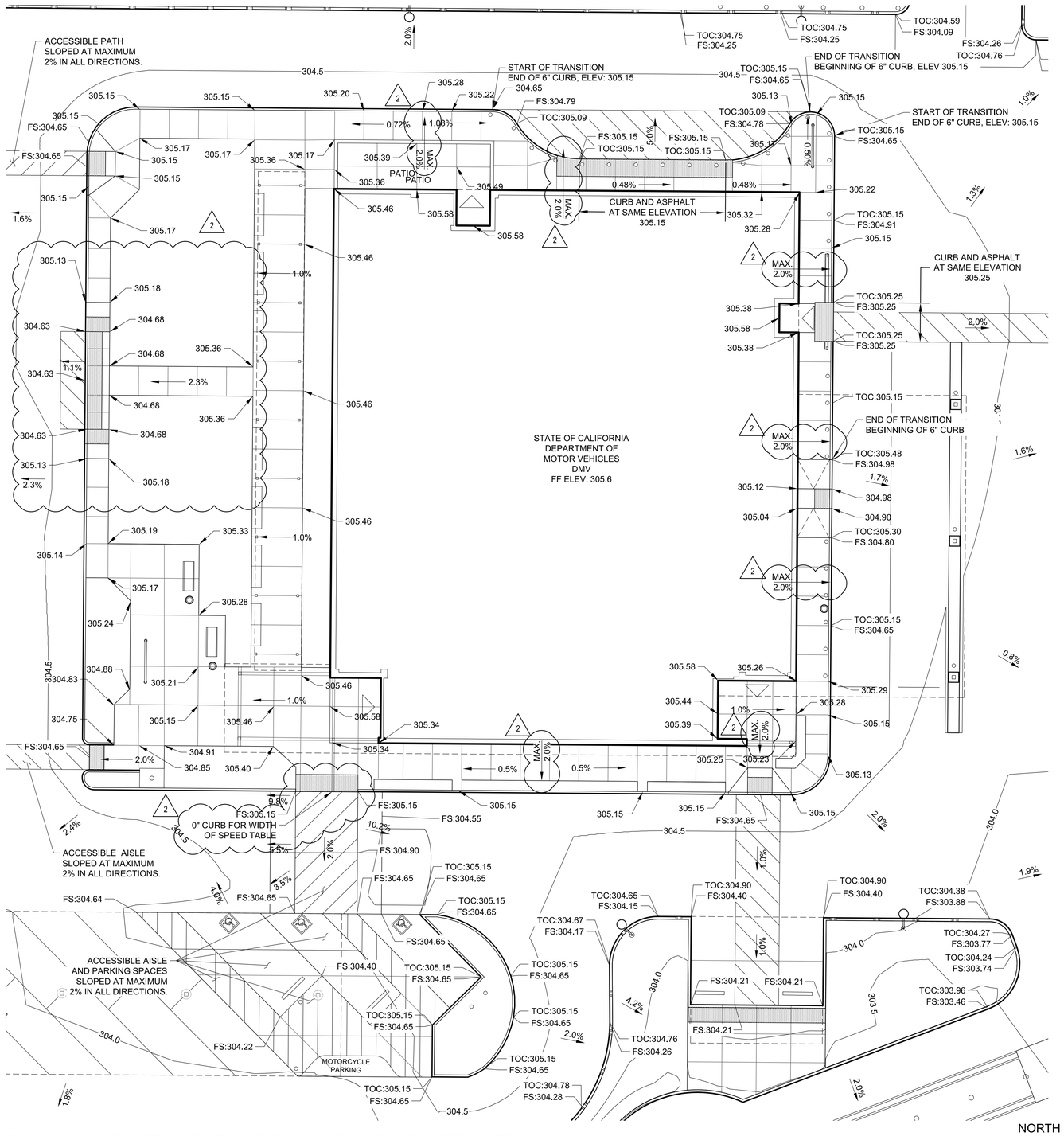
SHEET NO.

C4.01

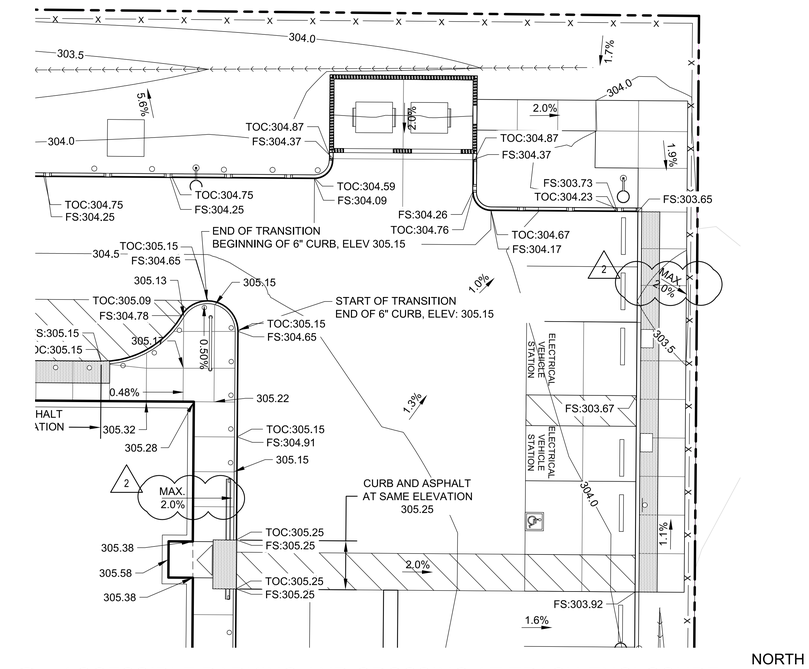
ISSUE DATE: JULY 2023

0030

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



1 BUILDING AREA ACCESSIBLE PATHS AND DELIVERY AREA
1" = 10'



2 ACCESSIBLE PARKING AND CROSSING AT TRASH ENCLOSURE
1" = 10'

SHEET NOTES:

1. CONTRACTOR SHALL ADHERE TO ALL UNDERGROUND SERVICE ALERT REQUIREMENTS BY CALLING 811 AND OBTAIN ANY REQUIRED GRADING PERMITS.
2. CONTRACTOR SHALL HAVE ALL TEMPORARY EROSION AND SEDIMENTATION MEASURES IN PLACE PRIOR TO STARTING EARTH DISTURBING ACTIVITIES.
3. CONTRACTOR SHALL COORDINATE WITH THE CITY OF DELANO PRIOR TO ANY CONSTRUCTION WORK PERFORMED WITHIN THE RIGHT OF WAY.
4. CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINAL FINISHED GRADES.
2 5. CONTOUR INTERVALS SHOWN ARE 0.5 FEET
6. SIDEWALK SHALL BE SLOPED MAX. 2% AWAY FROM BUILDING WHEN PLACED IMMEDIATE AGAINST FOUNDATION
7. ~~ALL ACCESSIBLE PATHS SHALL BE GRADES TO NOT EXCEED~~ 2% IN ANY DIRECTION. ACCESSIBLE PATHS ARE DENOTED BY THE DIAGONAL PAVEMENT STRIPING.

SITE BENCHMARK:

CHISELED "X" ON TOP OF CURB WEST SIDE OF DOVER PARKWAY,
APPROXIMATELY 735.9' SOUTH OF SOUTHERN PROPERTY LINE.
ELEVATION = 299.87' NAVD88 DATUM

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AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20

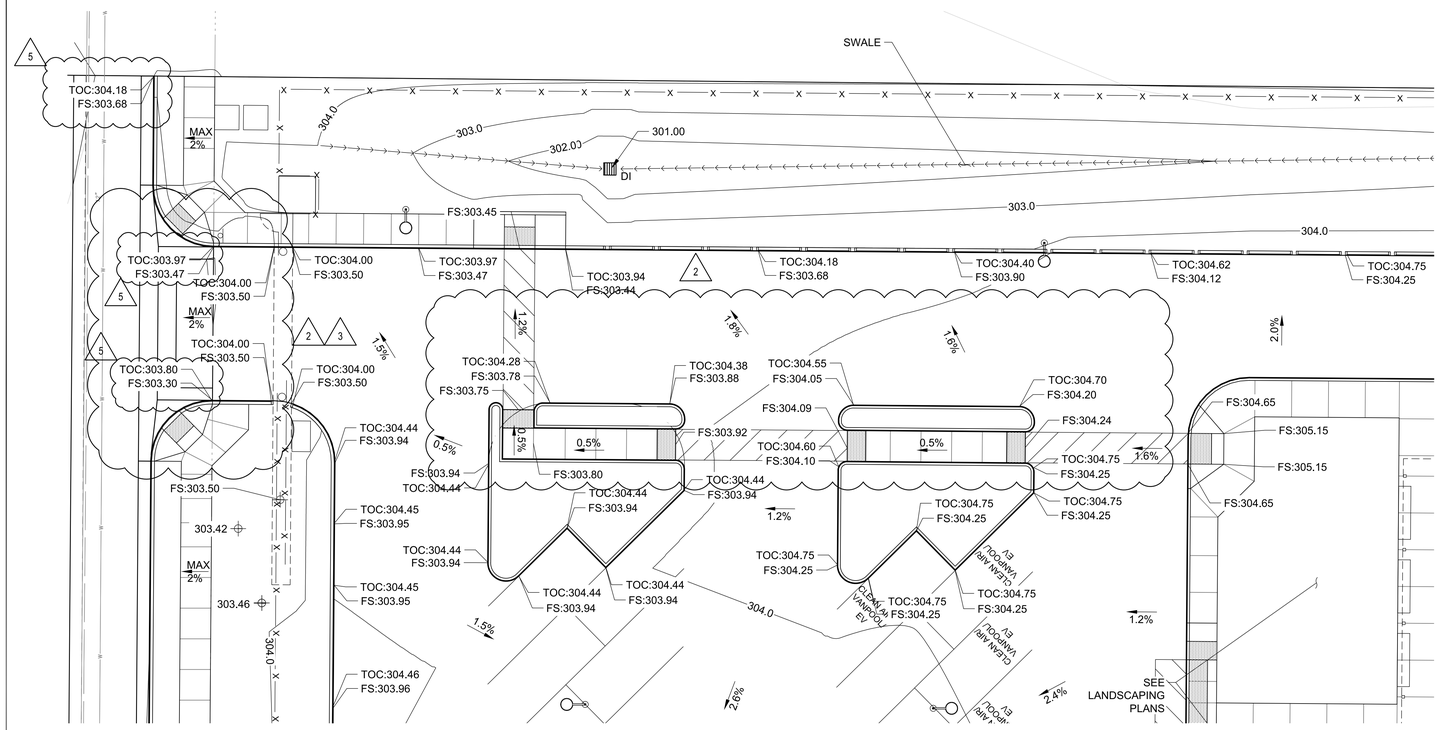
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

ENLARGED GRADING PLAN 1 OF 2

SHEET NO.

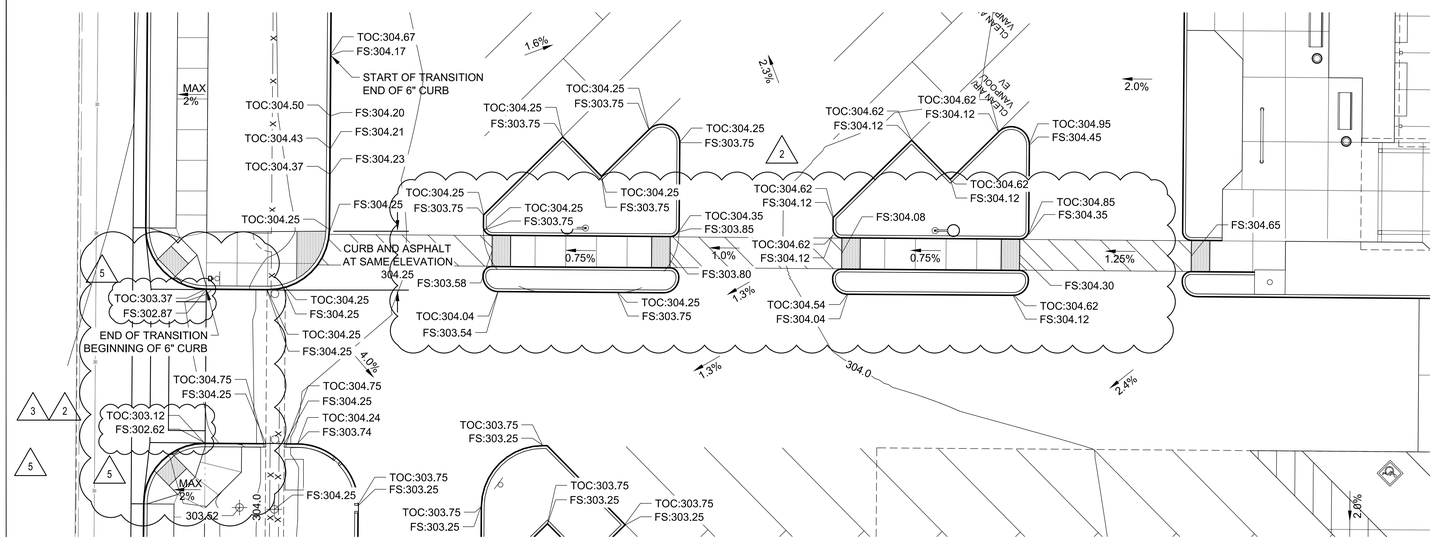
C4.02

ISSUE DATE: JULY 2019 V3



1 NORTH ENTRANCE ACCESSIBLE PATH
1" = 10'

NORTH
0 10' 20'
SCALE: 1" = 10'



2 SOUTH ENTRANCE ACCESSIBLE PATH
1" = 10'

NORTH
0 10' 20'
SCALE: 1" = 10'

NORTH
0 5' 10'
SCALE: 1" = 5'

SHEET NOTES:

1. CONTRACTOR SHALL ADHERE TO ALL UNDERGROUND SERVICE ALERT REQUIREMENTS BY CALLING 811 AND OBTAIN ANY REQUIRED GRADING PERMITS.
2. CONTRACTOR SHALL HAVE ALL TEMPORARY EROSION AND SEDIMENTATION MEASURES IN PLACE PRIOR TO STARTING EARTH DISTURBING ACTIVITIES.
3. CONTRACTOR SHALL LIMIT THE AMOUNT OF SITE DISTURBANCE TO WHAT IS NECESSARY FOR SITE GRADING AND INSTALLATION OF TEMPORARY EROSION CONTROL BMPS.
4. CONTRACTOR SHALL COORDINATE WITH THE CITY OF DELANO PRIOR TO ANY CONSTRUCTION WORK PERFORMED WITHIN THE RIGHT OF WAY.
5. CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINAL FINISHED GRADES.
6. CONTOUR INTERVAL SHOWN IS 1 FOOT.
7. ALL ACCESSIBLE PATHS SHALL BE GRADES TO NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE PATHS ARE DENOTED BY THE DIAGONAL PAVEMENT STRIPING.

SITE BENCHMARK:

CHISELED "X" ON TOP OF CURB WEST SIDE OF DOVER PARKWAY,
APPROXIMATELY 735.9' SOUTH OF SOUTHERN PROPERTY LINE.
ELEVATION = 299.87' NAVD88 DATUM

LEGEND:

SWALE FLOWLINE DIRECTION

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Dover Parkway, Delano

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REVISIONS

NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20
2	CITY REVIEW	07/02/20
3	CITY PLAN CHECK	09/15/21

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

ENLARGED GRADING PLAN 2 OF 2

SHEET NO.

C4.03

ISSUE DATE: JUL V4 2023

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
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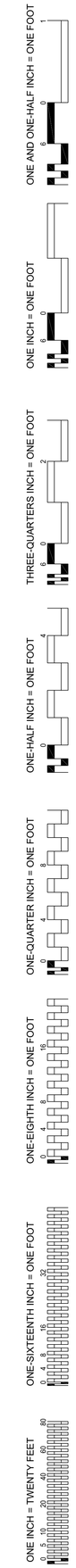
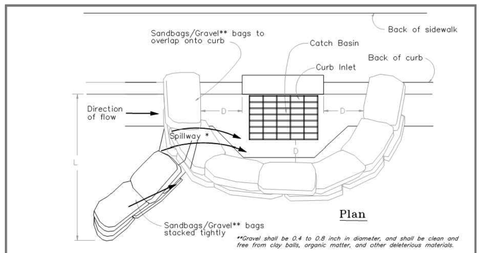


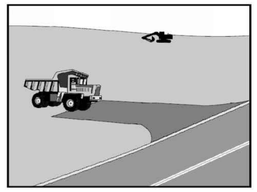


Notes:

1. *Catch Basin/Inlet protection shall be installed wherever there is a potential of stormwater or non-stormwater being discharged into it.*
2. *Inlet protection is required along with other pollution prevention measures such as; erosion control, soil stabilization, and measures to prevent tracking onto paved surfaces.*
3. *Modify inlet protection as needed to avoid creating traffic hazards.*
4. *Include inlet protection measures at hillside v-ditches and misc. drainage swales.*
5. *Inlet protection shall be inspected and accumulated sediments removed. Sediment shall be disposed of properly and in a manner that assures that the sediment does not enter the storm drain system*
6. *Damaged bags shall be replaced immediately.*
7. *Additional sandbag sediment traps shall be placed at intervals as indicated on site plan.*

A CATCH BASIN/INLET PROTECTION

Revisions Date	Desc	DATE: 06/16/2003	COUNTY OF KERN STATE OF CALIFORNIA	NPDES BMP	PLATE NO.
5/13	UPDATE	DESIGNED BY: KH	DEVELOPMENT STANDARD	SEDIMENT AND EROSION CONTROL	BMP A
		DRAWN BY: BH			
		CHECKED BY: GF			

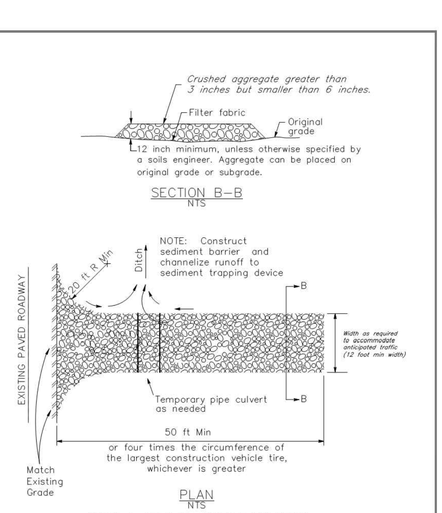


Notes:

1. *Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways shall be stabilized so as to prevent sediments from being deposited into the public roads. Sediment deposited on the roadway must be swept up immediately and may not be washed down by rain or other means into the storm drain system. See Type 1 and Type 2 details.*
2. *Stabilized construction entrance shall be:*
   a. *Located at any point where traffic will be entering or leaving a construction site to or from a public right of way, street, alley, and sidewalk or parking area.*
   b. *A series of steel plates with "rumble strips", and/or min >3" to <6" crushed aggregate with length, width & thickness as needed to adequately prevent any tracking onto paved surfaces.*
3. *Adding a wash rack with a sediment trap large enough to collect all wash water can greatly improve efficiency.*
4. *All vehicles accessing the construction site shall utilize the stabilized construction entrance sites.*
   a. *Remove all sediment deposited on paved roadways immediately.*
   b. *Sweep paved areas that receive construction traffic whenever sediment becomes visible.*
   c. *Pavement washing with water is prohibited if it results in a discharge to the storm drain system.*

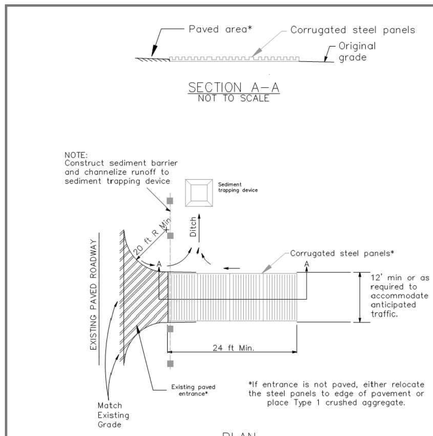
C STABILIZED CONSTRUCTION ENTRANCE/EXIT

Revisions Date	Desc	DATE: 06/16/2003	COUNTY OF KERN STATE OF CALIFORNIA	NPDES BMP	PLATE NO.
5/13	UPDATE	DESIGNED BY: KH	DEVELOPMENT STANDARD	SEDIMENT AND EROSION CONTROL	BMP C
		DRAWN BY: BH			
		CHECKED BY: GF			



C-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT

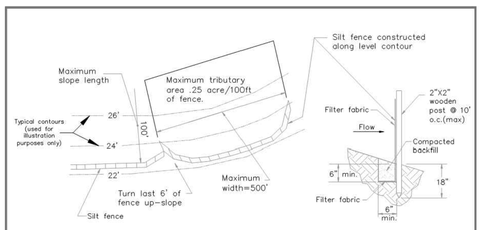
Revisions Date	Desc	DATE: 03/19/23	COUNTY OF KERN STATE OF CALIFORNIA	NPDES BMP	PLATE NO.
5/13	UPDATE	DESIGNED BY: KH	DEVELOPMENT STANDARD	SEDIMENT AND EROSION CONTROL	BMP C-1
		DRAWN BY: BH			
		CHECKED BY: GF			



use of corrugated steel plates, shaker plates, rumble plates, etc.

C-2 STABILIZED CONSTRUCTION ENTRANCE/EXIT

Revisions Date	Desc	DATE: 03/19/23	COUNTY OF KERN STATE OF CALIFORNIA	NPDES BMP	PLATE NO.
5/13	UPDATE	DESIGNED BY: KH	DEVELOPMENT STANDARD	SEDIMENT AND EROSION CONTROL	BMP C-2
		DRAWN BY: BH			
		CHECKED BY: GF			

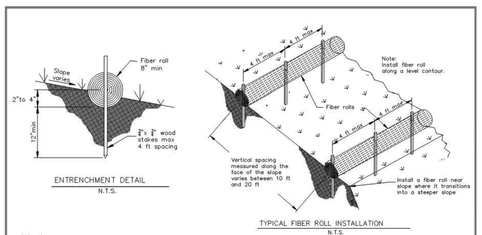


Notes:

1. *Construct the silt fence along a level contour.*
2. *Silt fences shall remain in place until the disturbed area is permanently stabilized.*
3. *Provide sufficient room for runoff to pond behind the fence and allow sediment removal equipment to pass between the silt fence and toe of slope or other obstructions. About 1200 sq. ft. of ponding area shall be provided for every acre draining to the fence.*
4. *Turn the ends of the filter fence uphill to prevent stormwater from flowing around the fence.*
5. *Leave an undisturbed or stabilized area immediately downslope from the fence.*
6. *Do not place in live stream or intermittently flowing channels.*
7. *When standard filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy-duty (0.6 inch) wire staples at least 1.75 inches long, tie wires or hog rings.*
8. *Filter fabric shall be woven polypropylene geotextile with a minimum width of 36 inches and a minimum tensile strength of 100 lb force.*
9. *Wood stakes shall be commercial quality lumber no less than 2 inch by 2 inch. Wood stakes shall be driven to a depth of no less than 18 inches from surface.*

H SILT FENCE

Revisions Date	Desc	DATE: 06/16/2003	COUNTY OF KERN STATE OF CALIFORNIA	NPDES BMP	PLATE NO.
5/13	UPDATE	DESIGNED BY: KH	DEVELOPMENT STANDARD	SEDIMENT AND EROSION CONTROL	BMP H
		DRAWN BY: BH			
		CHECKED BY: GF			



Notes:

1. *Place along the toe, top, face, and at grade breaks of exposed and erodible slopes.*
2. *Place on the down-slope of exposed soil areas.*
3. *Place around temporary stockpiles.*
4. *Place along the perimeter of a project.*
5. *Slopes greater than 1:5 may require the use of 20 inch diameter fiber rolls at the top of slopes.*
6. *Fiber rolls shall be either prefabricated or rolled tubes of erosion control blankets with a minimum 8 inch diameter.*
7. *Slopes 1:4 or flatter require fiber rolls to be placed no more than 20 feet apart.*
8. *Slopes 1:4 to 1:2 require fiber rolls to be placed no more than 15 feet apart.*
9. *Slopes 1:2 or greater require fiber rolls to be placed no more than 10 feet apart.*
10. *Fiber rolls shall be placed in a 2 to 4 inch deep trench.*
11. *Wooden commercial grade stakes, ½" X ½", shall be used to secure the fiber roll to the ground surface. Stakes shall be a minimum length of 24 inches and driven a minimum of 12 inches.*
12. *A single-stake installation requires the stakes to be placed no more than 2 feet apart.*
13. *If more than one fiber roll is placed in a row, the rolls shall be overlapped, not abutted, a minimum of 1 foot.*

I FIBER ROLL

Revisions Date	Desc	DATE: 03/19/2012	COUNTY OF KERN STATE OF CALIFORNIA	NPDES BMP	PLATE NO.
5/13	UPDATE	DESIGNED BY: KH	DEVELOPMENT STANDARD	SEDIMENT AND EROSION CONTROL	BMP I
		DRAWN BY: BH			
		CHECKED BY: GF			

IDENTIFICATION STAMP
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APP: 03-120743 INC:
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SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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12/07/21
20-1059
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SFM APPROVAL

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Dover Parkway; Delano

California Department of General Services

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

EROSION CONTROL DETAILS

SHEET NO.

C5.01

ISSUE DATE: JULY , 2019

V3

ONE AND ONE-HALF INCH = ONE FOOT
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THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
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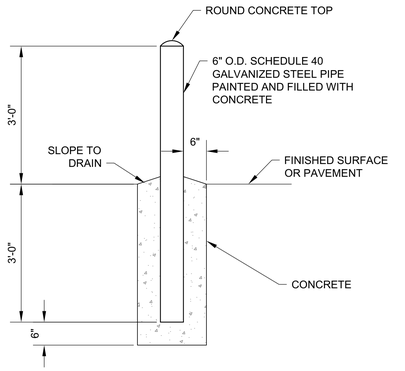
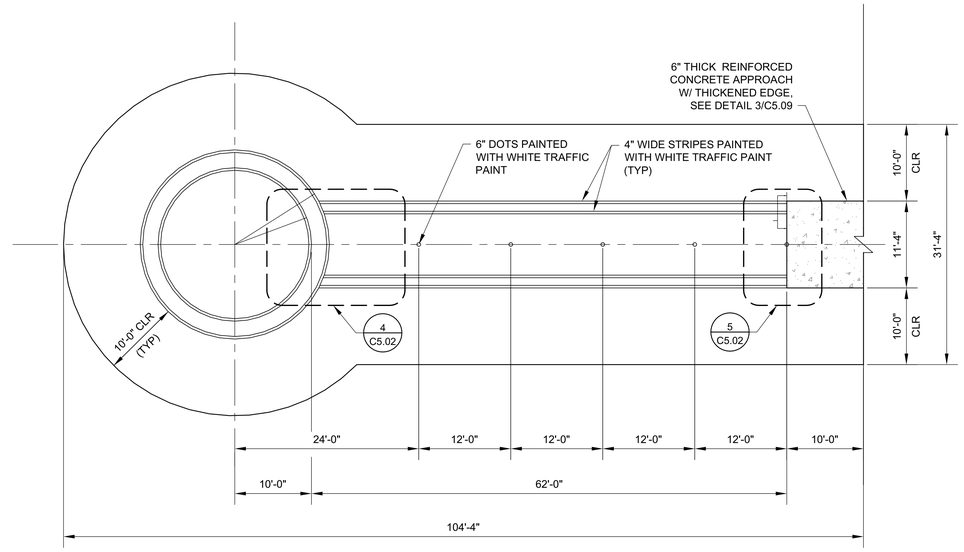


NOTES:

1. STEEL PIPE SHALL BE GALVANIZED (2.0 OZ. ZINC/SQ.FT.)
2. CONCRETE FILL SHALL HAVE MAXIMUM AGGREGATE SIZE OF 3/8 INCH PER SPECIFICATIONS
3. GENERAL COLOR OF BOLLARDS SHALL MATCH DARK ACCENT COLORS OF BUILDING'S EXTERIOR. CONTRACTOR SHALL CONFIRM COLOR SELECTION WITH DMV.
4. BOLLARDS PROTECTING TRANSFORMERS AND FIRE DEPARTMENT CONNECTION SHALL BE PAINTED RED.
5. BOLLARDS PROTECTING GAS METERS SHALL BE PAINTED YELLOW.

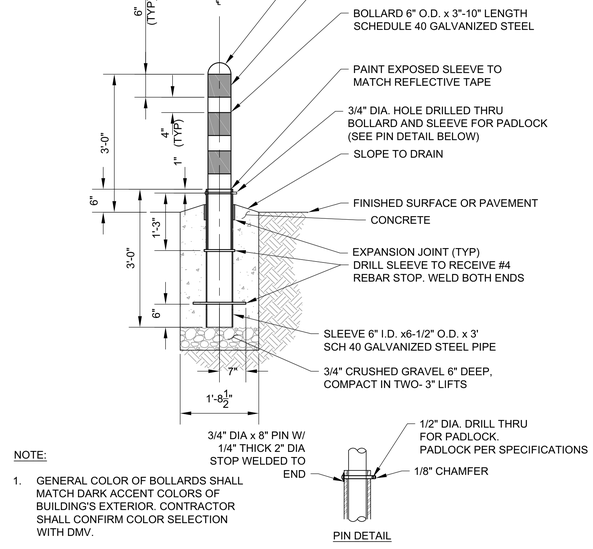
1 STEEL BOLLARD
3/4" = 1'-0"



NOTES:

1. A 10'-0" CLEARANCE SHALL BE MAINTAINED FROM THE FURTHEST OUTSIDE POINT OF THE STRIPING TO ANY OBSTRUCTION.
2. SKIRT AND TEST PATTERN SHALL BE CONSTRUCTED OF ASPHALT.
3. MEASUREMENTS FROM OUTSIDE OF STRIPE LINE.

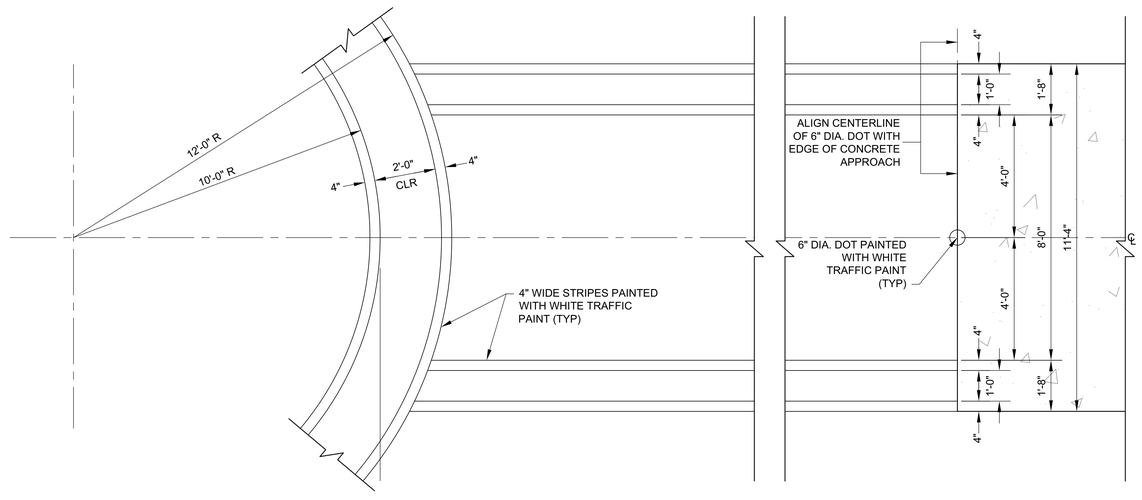
3 MOTORCYCLE TEST AREA
1-1/2" = 1'-0"



NOTE:

1. GENERAL COLOR OF BOLLARDS SHALL MATCH DARK ACCENT COLORS OF BUILDING'S EXTERIOR. CONTRACTOR SHALL CONFIRM COLOR SELECTION WITH DMV.

2 REMOVEABLE BOLLARD
3/4" = 1'-0"



4 MOTORCYCLE TEST AREA STRIPING
NTS

5 DETAIL
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
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AGENCY APPROVAL

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20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway; Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN FONG
C 87304
CIVIL
STATE OF CALIFORNIA
08/07/2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

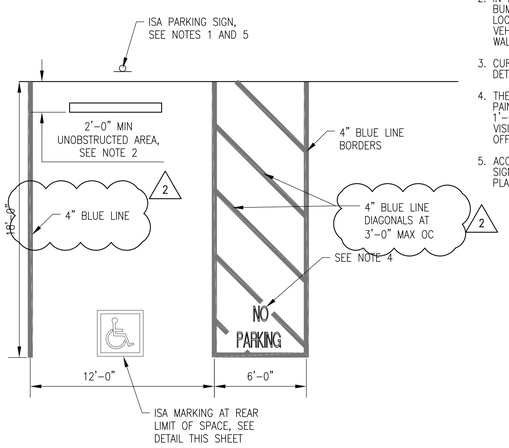
SHEET TITLE

CIVIL SITE DETAILS

SHEET NO.

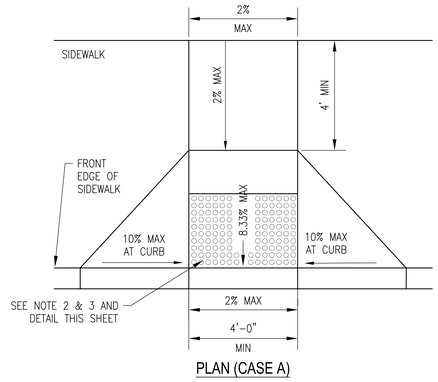
C5.02

ISSUE DATE: JULY 2020 V3

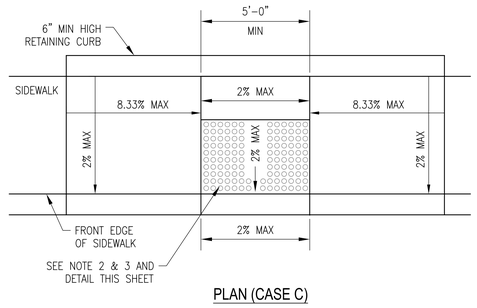


NOTES:

1. THE R7-8B SIGN SHALL BE MOUNTED BELOW THE R99B (CA) PLAQUE OR THE R99C (CA) SIGN.
2. IN EACH PARKING SPACE, A CURB OR BUMPER SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED WIDTH OF WALKWAYS.
3. CURB RAMPS SHALL CONFORM TO THE DETAILS SHOWN ON THIS SHEET
4. THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.
5. ACCESSIBLE PARKING ONLY SIGN SHALL BE SIGN R99C (CA) OR SIGN R99 (CA) WITH PLAQUE R99B (CA).



PLAN (CASE A)



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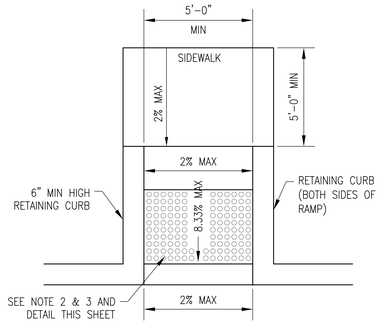
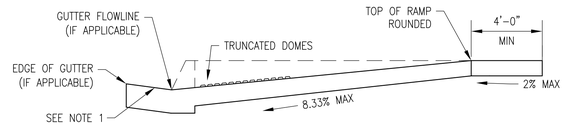


PLAN (CASE F)

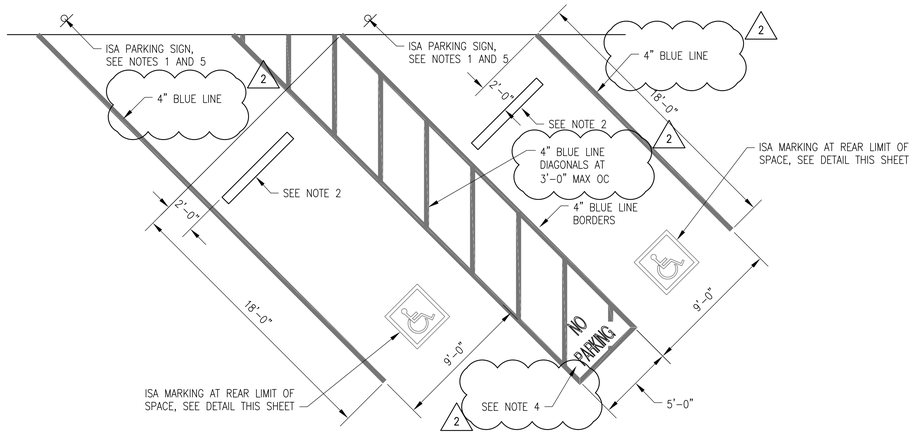


NOTES:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 2'-0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
2. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THIS PLAN.
3. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.

1 ACCESS PARKING SPACE STRIPING (PERPENDICULAR)

1/4" = 1'-0"



NOTES:

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2. IN EACH PARKING SPACE, A CURB OR BUMPER SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED WIDTH OF WALKWAYS.
3. CURB RAMPS SHALL CONFORM TO THE DETAILS SHOWN ON THIS SHEET.
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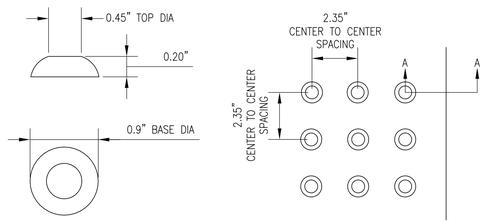
5. ACCESSIBLE PARKING ONLY SIGN SHALL BE SIGN R99C (CA) OR SIGN R99 (CA) WITH PLAQUE R99B (CA).

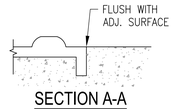
2 ACCESSIBLE RAMP AT SIDEWALKS

1/2" = 1'-0"



NOTES:

1. DETECTABLE WARNING SURFACES SHALL BE YELLOW TO PROVIDE 70% CONTRAST WITH ADJACENT SURFACE.
2. USE CAST-IN-PLACE PANELS.



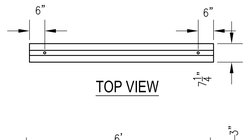
SECTION A-A

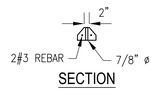
3 ACCESS PARKING SPACE STRIPING (DIAGONAL)

1/2" = 1'-0"

NOTE:

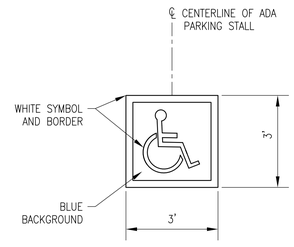
1. SEE SPECIFICATION 32 17 13 FOR MORE INFORMATION





4 TRUNCATED DOMES

1/2" = 1'-0"



5 PARKING BUMPER

1/2" = 1'-0"

6 ISA MARKING

1/2" = 1'-0"

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

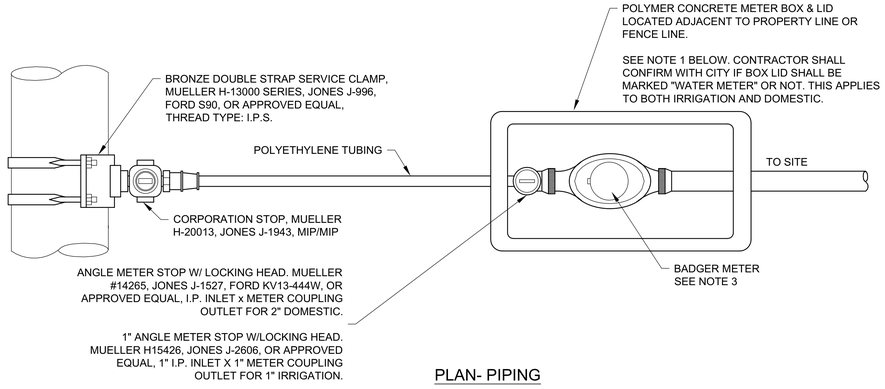
ACCESSIBLE RAMP, PARKING AND STRIPING DETAILS

SHEET NO.

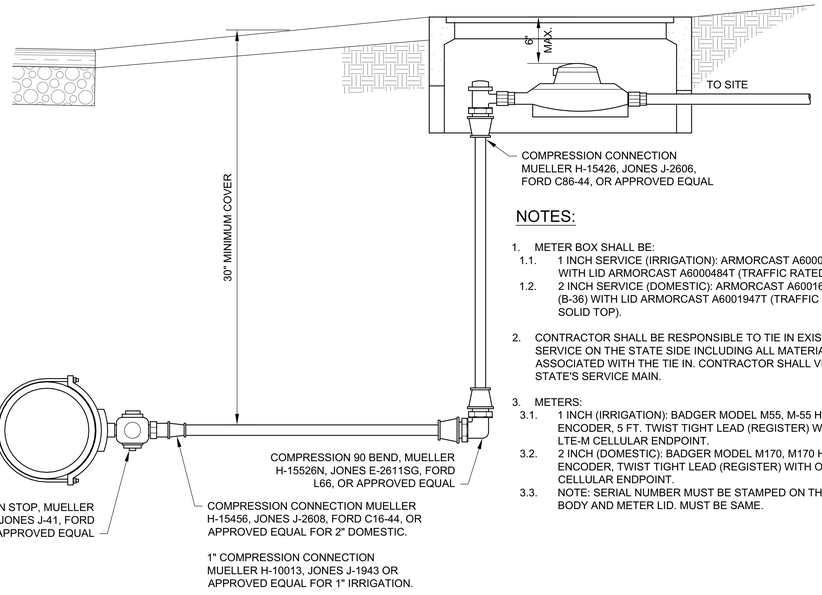
C5.03

ISSUE DATE: JULY , 2019

V3



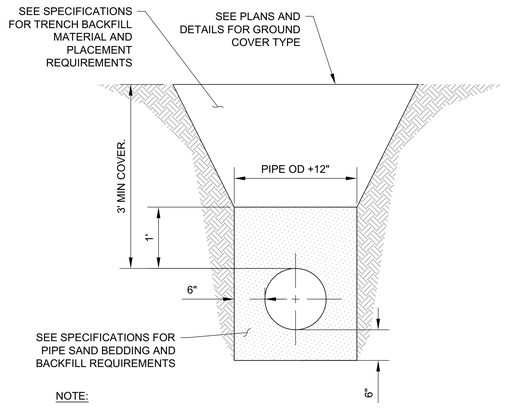
PLAN- PIPING



NOTES:

1. METER BOX SHALL BE:
   - 1.1. 1 INCH SERVICE (IRRIGATION): ARMORCAST A6000485 (B12) WITH LID ARMORCAST A6000484T (TRAFFIC RATED SOLID TOP)
   - 1.2. 2 INCH SERVICE (DOMESTIC): ARMORCAST A6001640PCX12 (B-36) WITH LID ARMORCAST A6001947T (TRAFFIC RATED SOLID TOP).
2. CONTRACTOR SHALL BE RESPONSIBLE TO TIE IN EXISTING SERVICE ON THE STATE SIDE INCLUDING ALL MATERIAL ASSOCIATED WITH THE TIE IN. CONTRACTOR SHALL VERIFY STATE'S SERVICE MAIN.
3. METERS:
   - 3.1. 1 INCH (IRRIGATION): BADGER MODEL M55, M-55 HRE-9 ENCODER, 5 FT. TWIST TIGHT LEAD (REGISTER) WITH ORION LTE-M CELLULAR ENDPOINT.
   - 3.2. 2 INCH (DOMESTIC): BADGER MODEL M170, M170 HRE-8 ENCODER, TWIST TIGHT LEAD (REGISTER) WITH ORION LTE-M CELLULAR ENDPOINT.
   - 3.3. NOTE: SERIAL NUMBER MUST BE STAMPED ON THE METER BODY AND METER LID. MUST BE SAME.

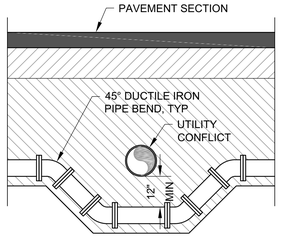
1 1" AND 2" WATER SERVICE CONNECTION (CITY OF DELANO STANDARD W7 AND W8)
NTS



NOTE:

1. THE MINIMUM TOP 6 INCHES OF THE UTILITY TRENCH SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY PER ASTM D1557.

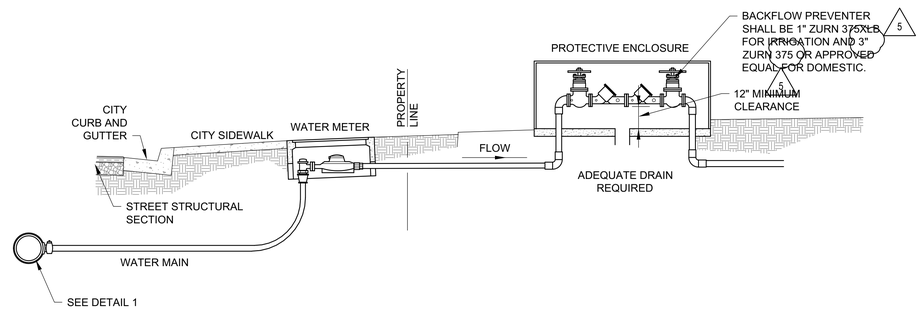
3 WATER TRENCH
1" = 1'-0"

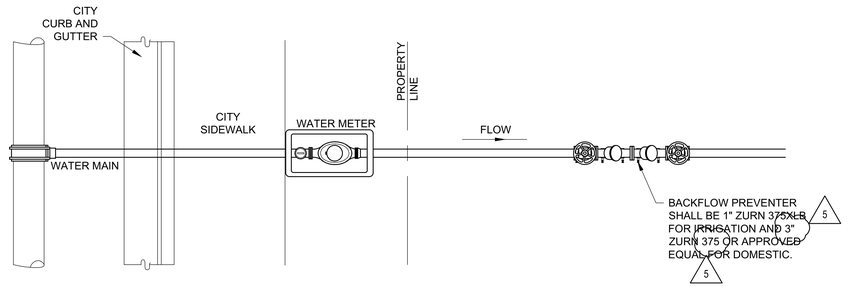


NOTE:

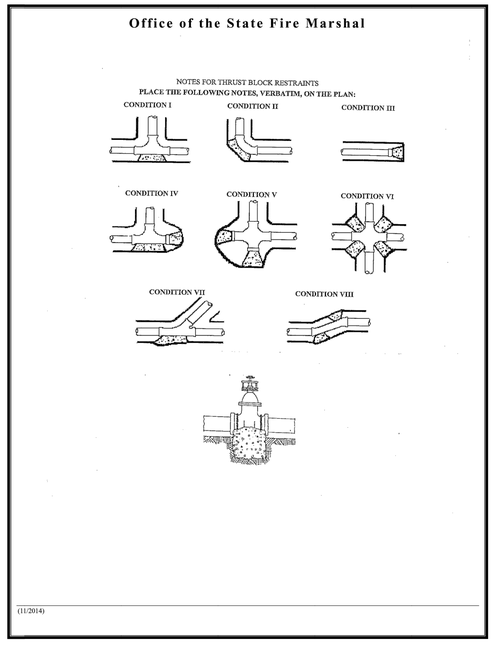
1. ALL JOINTS SHALL BE RESTRAINED JOINTS.

4 WATER LINE CROSSING
NTS





2 BACKFLOW PREVENTION DEVICE AND PLACEMENT
NTS



THRUST BLOCK SCHEDULE				
PIPE SIZE IN INCHES	BEARING AREA IN SQARE FEET			
	TEE OR PLUG	90° ELL OR HYDRANT	45° ELL	221/2° ELL
3	2	2	2	1
4	2	2	2	1
8	5	7	4	2

BEARING AREAS SHOWN IN TABLE BASED ON ALLOWABLE SOIL PRESSURE OF 1500 PSF.

MAXIMUM DEPTH OF THRUST BLOCK, DISTANCE FROM PIPE FITTING TO BEARING SURFACE SHALL BE 2 FEET.

ALL FITTINGS AND VALVES SHALL BE WRAPPED IN POLYETHYLENE WRAP PRIOR TO POURING CONCRETE.

5 STATE FIRE MARSHAL THRUST BLOCK DETAIL AND NOTES
NTS

UNDERGROUND PIPING FOR PRIVATE FIRE SERVICE MAINS, HYDRANTS, FIRE SPRINKLERS AND FIRE STANDPIPES

1. PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATIONS SHALL BE APPROVED BY THE OFFICE OF THE STATE FIRE MARSHAL.
2. INSPECTIONS ARE REQUIRED: 1) PRIOR TO POURING THRUST BLOCKS, 2) OF THRUST BLOCKS AND JOINTS 3) HYDROSTATIC TESTING, AND 4) FOR FLUSH. SCHEDULE ALL INSPECTIONS 72 HOURS IN ADVANCE. CALL THE LOCAL DEPUTY STATE FIRE MARSHAL FOR INSPECTION SCHEDULING.
3. INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2019 NFPA 13 AND 2019 NFPA 24.
4. GEOTECHNICAL ENGINEERING REPORT TO COMPLIMENT THRUST BLOCK DESIGN MUST BE LISTED ON PLANS.
5. PRIVATE FIRE HYDRANTS SHALL BE APPROVED TYPE AND HAVE NOT LESS THAN A 6 INCH DIAMETER CONNECTION WITH THE MAINS. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THREADS (NST).
6. A VALVE SHALL BE INSTALLED IN THE HYDRANT CONNECTIONS; ALL VALVES SHALL BE INSTALLED WITHIN 20 FEET OF THE HYDRANT.
7. FIRE HYDRANTS SHALL BE LOCATED NOT LESS THAN 40 FEET FROM THE BUILDINGS TO BE PROTECTED. A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS.
8. HYDRANTS SHALL BE PROTECTED IF SUBJECT TO MECHANICAL DAMAGE. THE MEANS OF PROTECTION SHALL BE ARRANGED IN A MANNER THAT DOES NOT INTERFERE WITH CONNECTION TO OR OPERATION OF HYDRANTS.
9. PIPING SHALL BE LISTED FOR FIRE PROTECTION SERVICE OR SHALL COMPLY WITH THE STANDARDS IN 2019 NFPA 24 TABLE 10.1.1
10. ALL BURIED FITTINGS SHALL BE OF AN APPROVED TYPE WITH JOINTS AND PRESSURE CLASS RATINGS COMPATIBLE WITH THE PIPE USED.
11. ALL BOLTS USED FOR UNDERGROUND CONNECTIONS SHALL BE STAINLESS STEEL. ALL CORROSION PROTECTION SHALL BE IN PLACE.
12. ALL BOLTED JOINT ACCESSORIES SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION-RETARDING MATERIAL AFTER INSTALLATION.
13. THE DEPTH OF COVER OVER WATER PIPES SHALL BE DETERMINED BY THE MAXIMUM DEPTH OF FROST PENETRATION IN THE LOCALITY WHERE THE PIPE IS LAID; TOP OF THE PIPE SHALL BE BURIED NOT LESS THAN 1FT. BELOW THE FROST LINE FOR THE FACILITY.
14. IN THOSE LOCATIONS WHERE FROST IS NOT A FACTOR, THE DEPTH OF COVER SHALL NOT BE LESS THAN 2½ FT. TO PREVENT MECHANICAL DAMAGE. WHEN SURFACE LOADS ARE EXPECTED, A MINIMUM OF 3 FT. COVER SHALL BE PROVIDED.
15. ALL TEES, PLUGS, CAPS BENDS, REDUCERS, VALVES AND HYDRANT BRANCHES SHALL BE RESTRAINED AGAINST MOVEMENT IN ACCORDANCE WITH 2019 NFPA 24 §10.6.1 OR §10.6.2
16. THRUST BLOCKS, OR OTHER APPROVED METHOD OF THRUST RESTRAINT, SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION.
17. THE TRENCH SHALL BE EXCAVATED FOR THRUST BLOCKS AND INSPECTED PRIOR TO POUR. THRUST BLOCKS SHALL BE PLACED BETWEEN UNDISTURBED EARTH AND THE FITTING TO BE RESTRAINED AND SHALL BE CAPABLE OF RESISTING THE CALCULATED THRUST FORCE.
18. THRUST BLOCKS SHALL BE PLACED SO THAT THE JOINTS ARE ACCESSIBLE FOR REPAIR.
19. A HYDROSTATIC TEST (200 PSI FOR TWO HOURS OR 50 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER) SHALL BE WITNESSED BY A DEPUTY STATE FIRE MARSHAL. THE TRENCH SHALL BE BACK-FILLED BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE.
20. THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MINIMUM OF A 4" HOSE OR PIPE UNLESS OTHERWISE APPROVED BY THE DEPUTY STATE FIRE MARSHAL. A DEPUTY STATE FIRE MARSHAL SHALL WITNESS THE FLUSH.
21. CONTROL VALVES SHALL BE SUPERVISED BY ONE OF THE 4 ACCEPTABLE METHODS LISTED IN 2019 NFPA 24 §6.7.2

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Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER GORDON HO-MAN TONG C 87304 CIVIL STATE OF CALIFORNIA
10/15/2021

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www.nachtlewis.com
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ARCHITECT

AGENCY SUBMITTAL

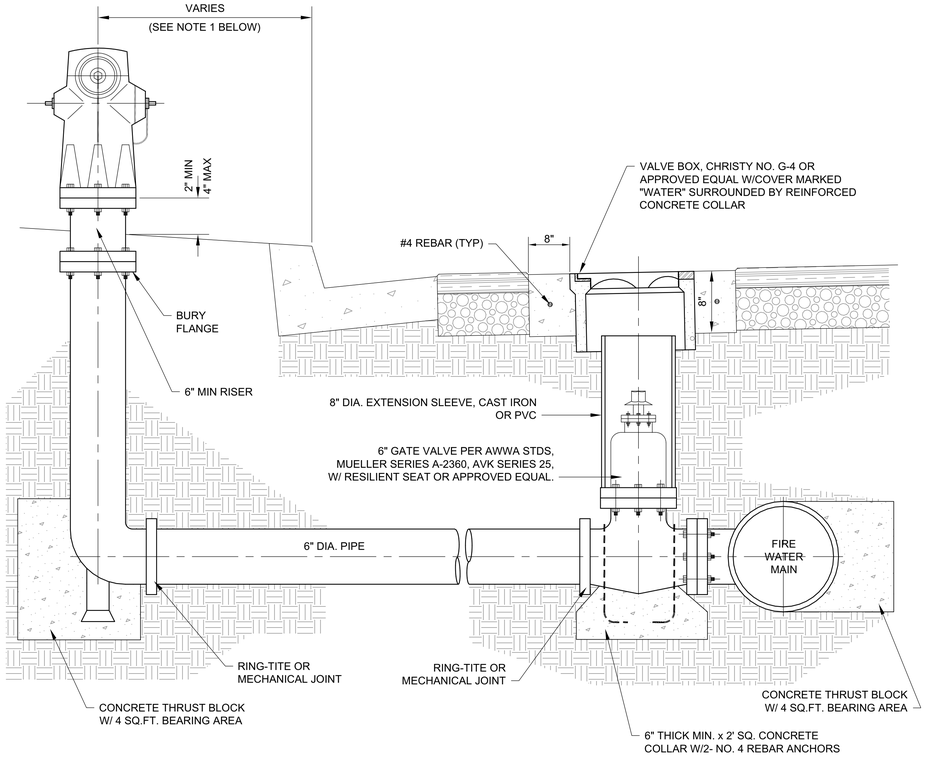
REVISIONS

NO.	DESCRIPTION	DATE
1	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
WATER UTILITY DETAILS 1 OF 2
SHEET NO.
C5.04

ISSUE DATE: JUL V4 2023

ONE INCH = TWENTY FEET
ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT

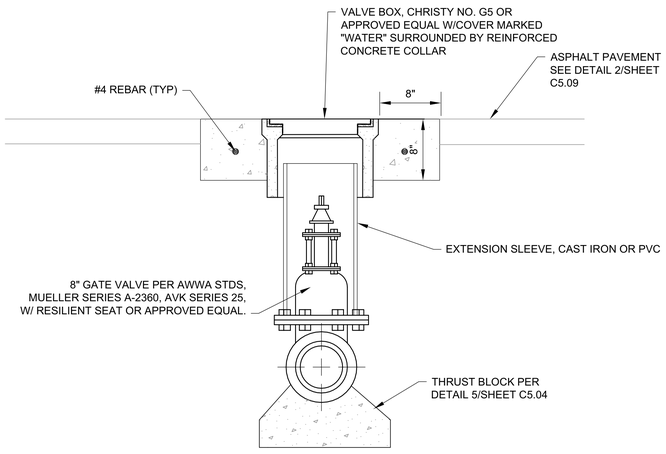


NOTES:

1. HYDRANT MINIMUM 18" BEHIND FACE OF CURB. BREAK-OFF BOLTS REQUIRED ON ALL HYDRANTS.
2. ALL HYDRANTS SHALL HAVE A MINIMUM OF 3' CLEAR TO ANY OBSTRUCTIONS.
3. FIRE HYDRANT SHALL BE AVK NO. 2490 W/ 2 2-1/2" NOZZLES AND 1 - 4-1/2" NOZZLE.
4. 4-1/2" STEAMER CONNECTION SHALL FACE ROADWAY AND 2-1/2" SHALL LAY PARALLEL WITH SAID ROADWAY.

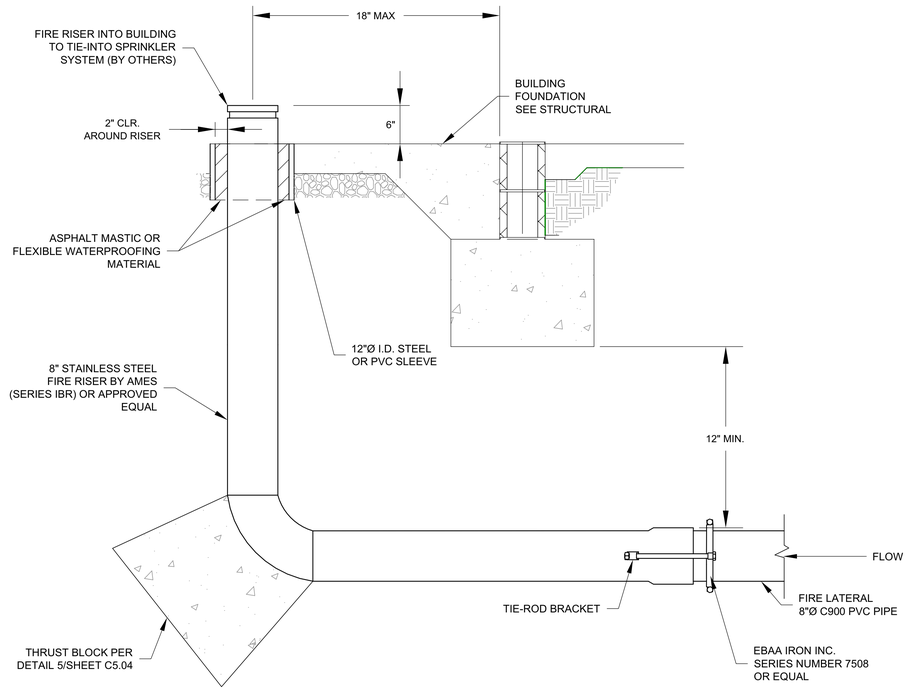
1 FIRE HYDRANT ASSEMBLY (CITY OF DELANO STANDARD W1)

NTS



3 GATE VALVE AND VALVE BOX

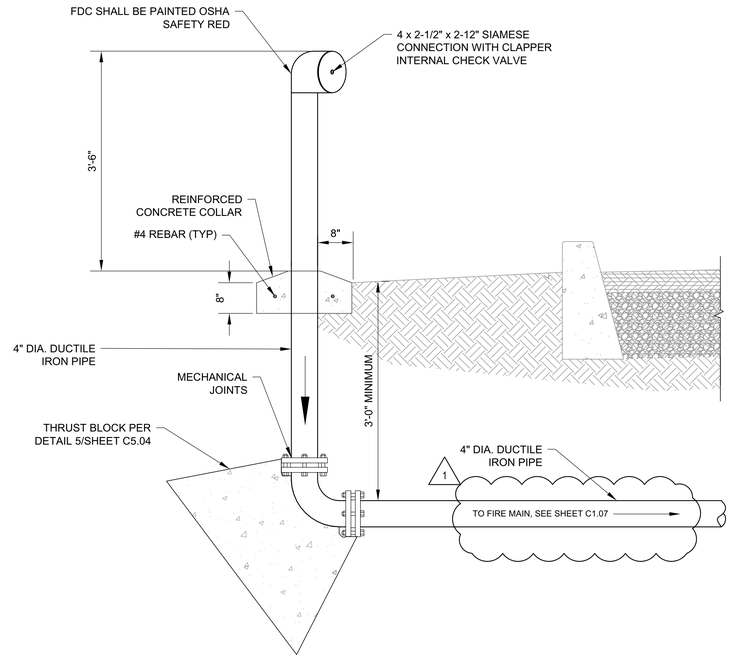
NTS



NOTE:
1. PIPE JOINTS SHALL NOT BE LOCATED DIRECTLY UNDER FOUNDATION FOOTINGS

2 FIRE RISER

NTS



4 FIRE DEPARTMENT CONNECTION

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Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN TOM FONG
C 87304
CIVIL
STATE OF CALIFORNIA
08/07/2020

CONSULTANT

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

WATER UTILITY DETAILS 2 OF 2

SHEET NO.

C5.05

ISSUE DATE: JULY , 2019

V3

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
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0037

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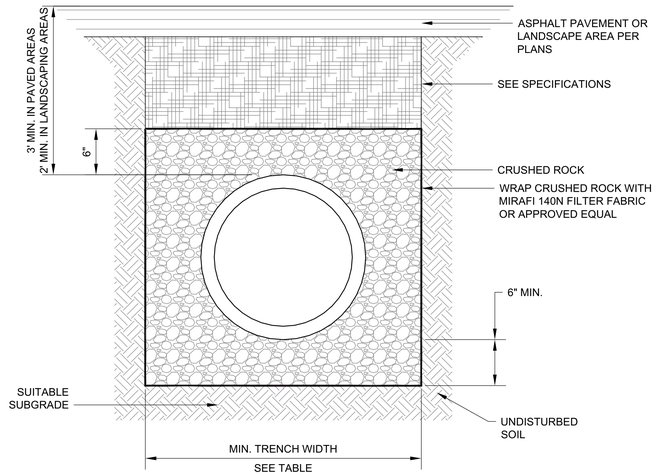
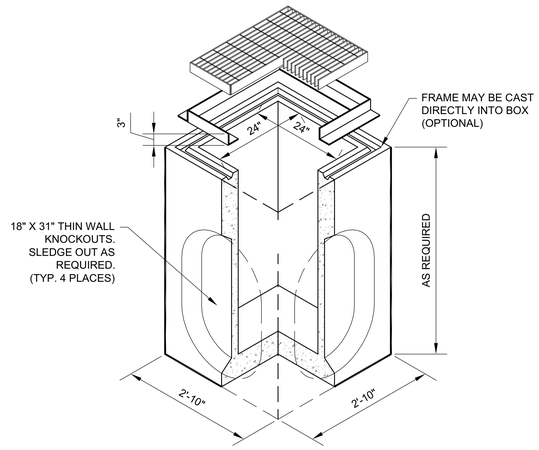


NOTES:

1. CONTRACTOR SHALL INSTALL ALL PIPE IN ACCORDANCE WITH ASTM D2321 - *STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS,* LATEST EDITION.
2. BEDDING MATERIAL SHALL BE CRUSHED ROCK. DO NOT ALLOW ROCKS OVER 1 ½ INCHES TO COME IN CONTACT WITH PIPE SURFACES. A SHOVEL OR RAKE SHALL BE USED TO LEVEL THE SURFACE.
3. CRUSHED ROCK SHALL BE USED IN THE PIPE ZONE AND EXTENDING A MINIMUM OF 6" ABOVE THE PIPE CROWN. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. DURING BACKFILL PLACEMENT,CARE SHOULD BE TAKEN TO PREVENT ROCKS LARGER THAN 1 ½ INCHES (38 mm) FROM ENTERING THE BACKFILL MATERIAL IMMEDIATELY AROUND THE PIPE.
4. CRUSHED ROCK SHALL BE WRAPPED IN FILTER FABRIC. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND LAP LENGTH.

MINIMUM TRENCH WIDTHS	
PIPE DIA. (INCH)	MIN. TRENCH WIDTH (INCH)
12	30
18	39

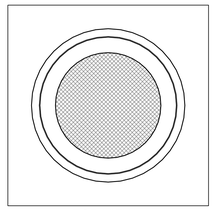
1 STORM DRAIN TRENCH
1" = 1'-0"



NOTES:

1. DRAIN INLET, FRAME, AND GRATE TO BE PRECAST CONCRETE 24"X 24" SQUARE DRAIN INLET SIZED TO BE COMPATIBLE WITH FILTER INLET IN DETAIL 3 THIS SHEET.
2. FRAME AND GRATE ASSEMBLY SHALL BE MINIMUM H-20 TRAFFIC RATED
3. DRAIN INLET SHALL BE PLACED ON MINIMUM 6" LAYER OF COMPACTED CLASS 2 AGGREGATE BASE. AGGREGATE BASE SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY PER ASTM D1557
4. ALL DRAIN INLETS SHALL BE INSTALLED WITH AN FILTER INLET. SEE DETAIL 3.

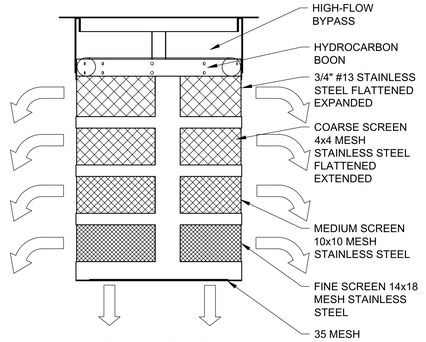
2 PRECAST DRAIN INLET
3/4" = 1'-0"



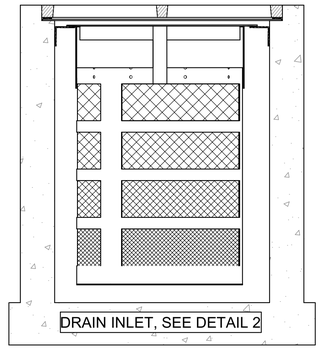
TOP VIEW

NOTES:

1. ALL HARDWARE, FLANGE, FRAME, SCREENS SHALL BE STAINLESS STEEL
2. HYDROCARBON BOOM SHALL BE 2" DIAMETER AND CONNECTED, MECHANICALLY TO THE FILTER FRAME WITH RAILS ALLOWING IT TO FLOAT ON THE WATER SURFACE REGARDLESS OF HEIGHT.
3. USE BIO-GRATE-MLS OR APPROVED EQUAL.



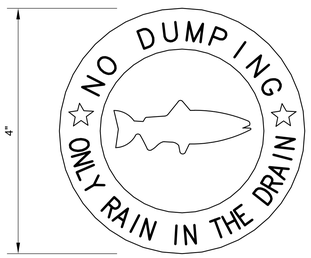
FLOW SCHEMATIC



DRAIN INLET, SEE DETAIL 2

MODEL #	TREATMENT FLOW (CFS)	BYPASS FLOW (CFS)	SOLIDS STORAGE CAPACITY (CF)
BIO-GRATE-MLS 24-24-24	*5.31*	*5.31*	*1.80*

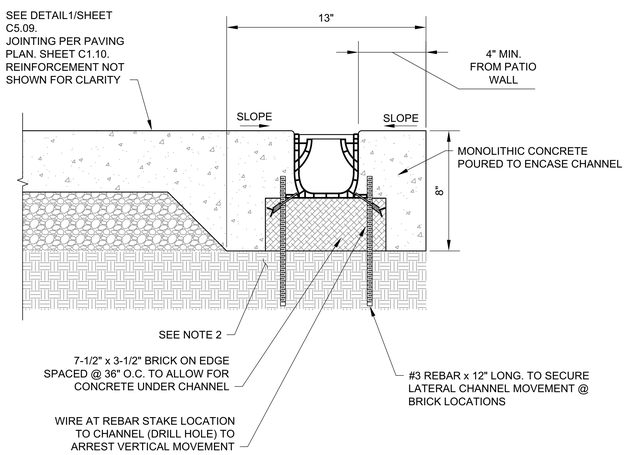
3 FILTER INLET
NTS



NOTES:

1. INSTALL 4" DIAMETER STAINLESS STEEL ENVIROMARKER DISC, MANUFACTURED BY ALMETEK INDUSTRIES, INC. OR APPROVED EQUAL.
2. APPLY MARKER PER MANUFACTURER'S THEFT PROOF INSTALLATION RECOMMENDATIONS, WITH RIVET FASTENERS.
3. LOGO AND COLOR OF DISC TO BE PRE-APPROVED BY DMV PRIOR TO ORDERING.

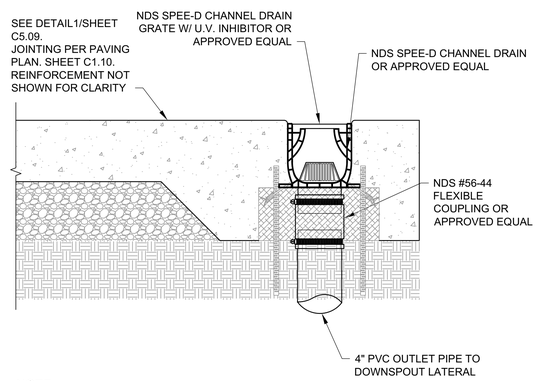
4 INLET MARKER
3" = 1'-0"



NOTES:

1. USE 4" NDS SPEE-D CHANNEL DRAIN WITH GALVANIZED STEEL CHANNEL GRATES (PART NO. 254) OR APPROVED EQUAL.
2. MINIMUM TOP 6" OF EXISTING SUBGRADE SHALL BE RECOMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY PER ASTM D1557.

5 TRENCH DRAIN
3" = 1'-0"



NOTE:

1. CONTRACTOR SHALL INSTALL OUTLET PIPE TO TRENCH DRAIN PER MANUFACTURER'S SPECIFICATIONS.

6 TRENCH DRAIN CONNECTION TO OUTLET PIPE
1-1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SHEET TITLE

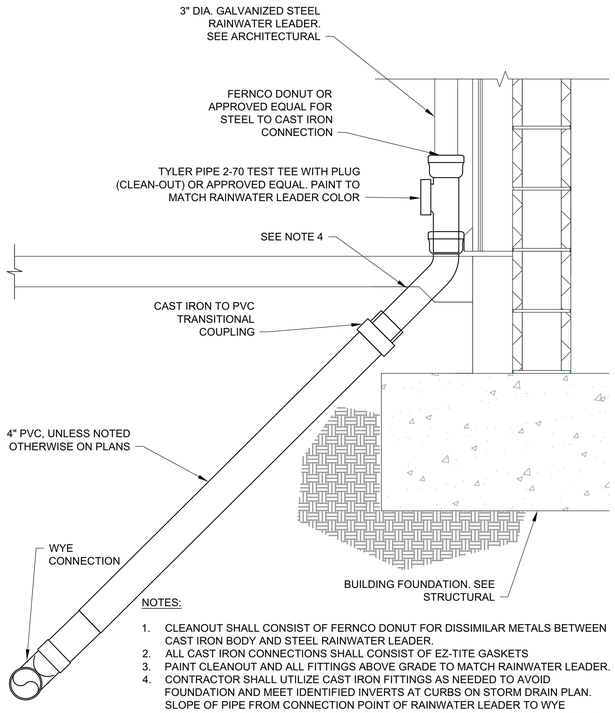
STORM DRAIN DETAILS 1 OF 2

SHEET NO.

C5.06

ISSUE DATE: JULY , 2019

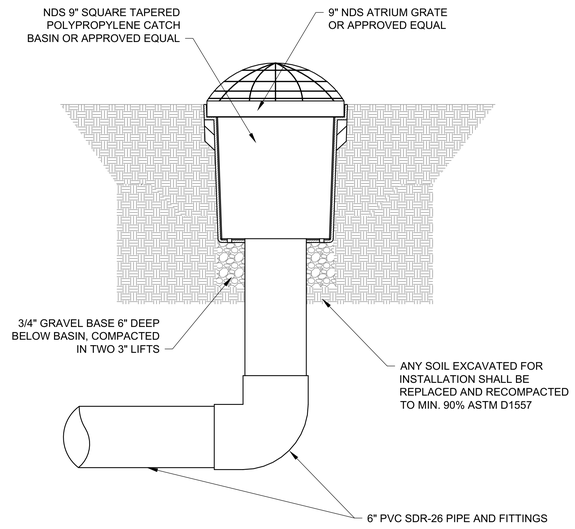
V3



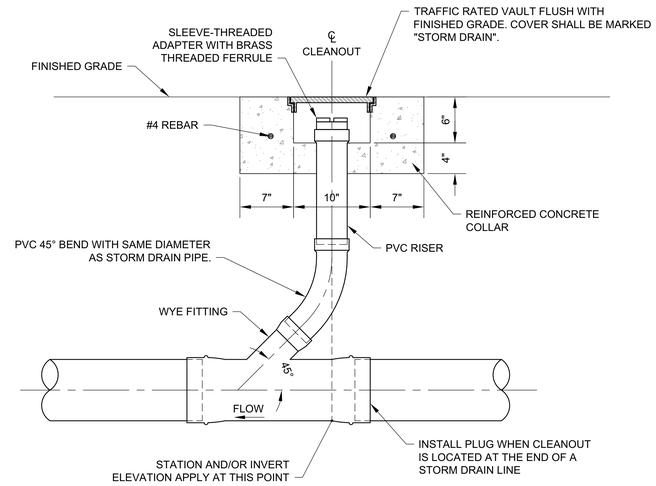
NOTES:

1. CLEANOUT SHALL CONSIST OF FERNCO DONUT FOR DISSIMILAR METALS BETWEEN CAST IRON BODY AND STEEL RAINWATER LEADER.
2. ALL CAST IRON CONNECTIONS SHALL CONSIST OF EZ-TITE GASKETS
3. PAINT CLEANOUT AND ALL FITTINGS ABOVE GRADE TO MATCH RAINWATER LEADER.
4. CONTRACTOR SHALL UTILIZE CAST IRON FITTINGS AS NEEDED TO AVOID FOUNDATION AND MEET IDENTIFIED INVERTS AT CURBS ON STORM DRAIN PLAN. SLOPE OF PIPE FROM CONNECTION POINT OF RAINWATER LEADER TO WYE CONNECTION SHALL BE MAINTAINED AT A MINIMUM SLOPE OF 2% AT ALL TIMES. IF TOP OF PIPE TO TOP OF PAVEMENT SURFACE IS LESS THAN 2 FEET, PVC LINE SHALL BE ENCASED IN 6 INCHES OF CONCRETE. SEE DETAIL 4.

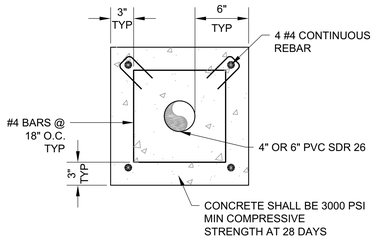
1 RAINWATER LEADER CONNECTION
NTS



2 AREA DRAIN
3/4" = 1'-0"



3 STORM DRAIN CLEANOUT
NTS



1. 4" PVC ROOF LATERALS SHALL BE ENCASED IN CONCRETE PER THIS DETAIL IF FINISHED SURFACE TO TOP OF PIPE IS 2 FEET OR LESS.

4 CONCRETE PIPE ENCASEMENT
NTS

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STORM DRAIN DETAILS 2 OF 2

SHEET NO.

C5.07

ISSUE DATE: JULY 2019 V3

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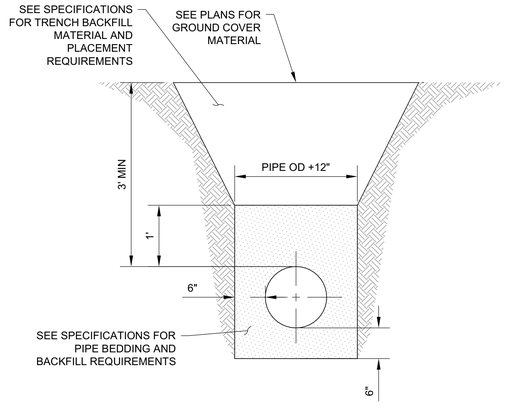

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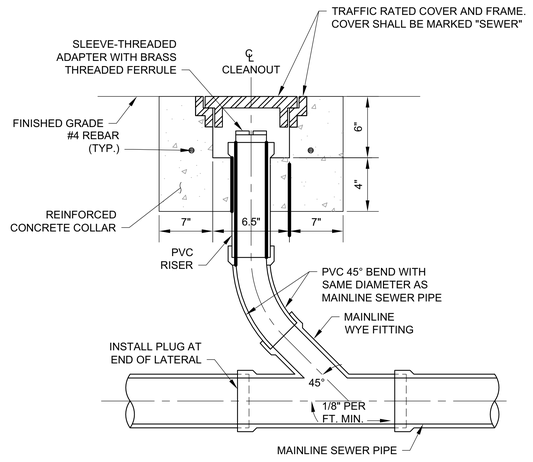
2. THE MINIMUM TOP 6 INCHES OF THE UTILITY TRENCH SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY PER ASTM D1557.

1 SANITARY SEWER TRENCH

1" = 1'-0"



2 SANITARY SEWER CLEAN-OUT

NTS

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SANITARY SEWER DETAILS

SHEET NO.

C5.08

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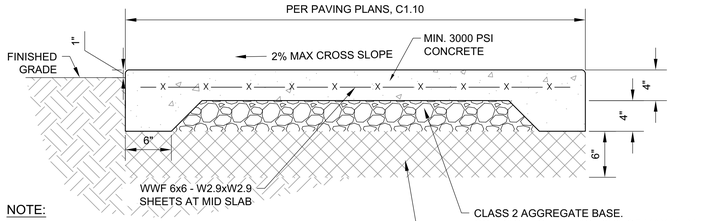
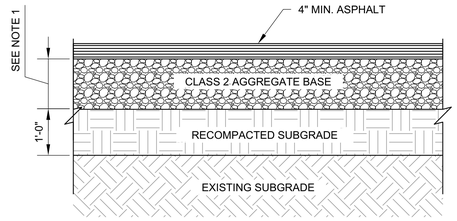


NOTE:

1. SEE ARCHITECTURAL/STRUCTURAL FOR ANCHORING OF CONCRETE SEAT WALLS TO SIDEWALKS
2. $\frac{1}{8}$" X 1" DEEP TOOLED WEAKENED PLANE JOINTS SHALL BE SPACED NO GREATER THAN 6 FEET APART AS SHOWN ON PAVING PLAN.
3. EXPANSIONS JOINTS, $\frac{1}{2}$" PRE-MOLDED MATERIAL SHALL BE PLACED AT 30 FOOT INTERVALS AND AT THE BEGINNING AND END OF CURB RADII.

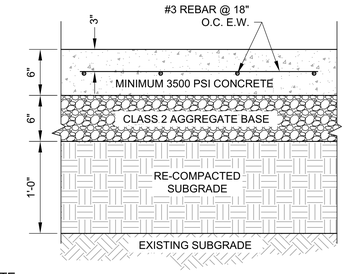
1 CONCRETE WALKWAY
1-1/2" = 1'-0"



NOTE:

1. AGGREGATE BASE SHALL BE 6" FOR PARKING SPACES AND 13" FOR ALL OTHER AREAS. BASE SHALL TRANSITION AT A 45 DEGREE ANGLE FROM END OF PARKING SPACE FOR CHANGE IN THICKNESS.
2. AGGREGATE BASE AND MINIMUM TOP 12" OF EXISTING SUBGRADE SHALL BE RECOMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY PER ASTM D1557.
3. AGGREGATE BASE AND SUBGRADE SHALL BE COMPACTED IN LIFTS NOT TO EXCEED SIX INCHES (6") IN COMPACTED THICKNESS.

2 ASPHALT PAVEMENT
3/4" = 1'-0"



NOTE:

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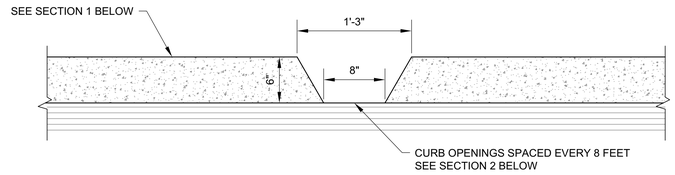
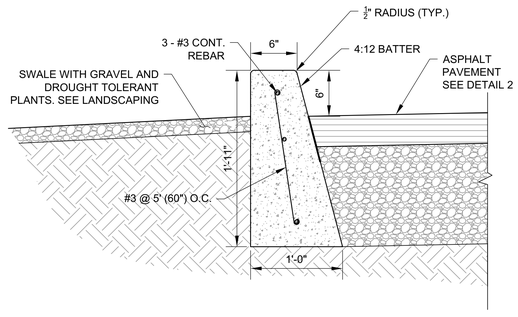
2. AGGREGATE BASE AND SUBGRADE SHALL BE COMPACTED IN LIFTS NOT TO EXCEED SIX INCHES (6") IN COMPACTED THICKNESS.
3. CONCRETE SHALL HAVE THICKENED EDGES AT LEAST 8 INCHES THICK AND 36 INCHES WIDE. SEE DETAIL 7.

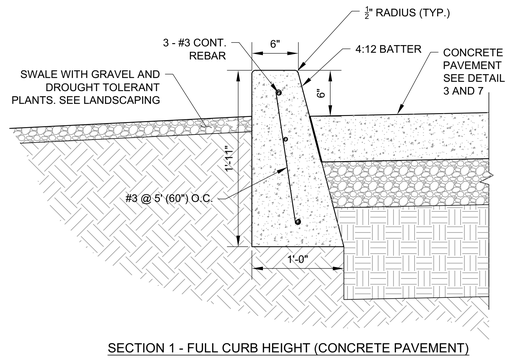
3 CONCRETE PAVEMENT
NTS



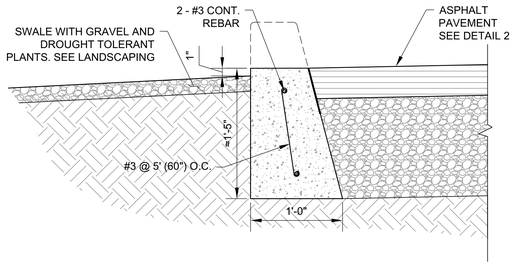
CURB ELEVATION



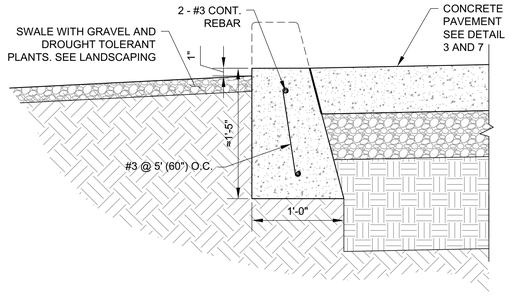
SECTION 1 - FULL CURB HEIGHT (ASPHALT PAVEMENT)



SECTION 1 - FULL CURB HEIGHT (CONCRETE PAVEMENT)



SECTION 2 - CURB-CUT LOCATION (ASPHALT PAVEMENT)

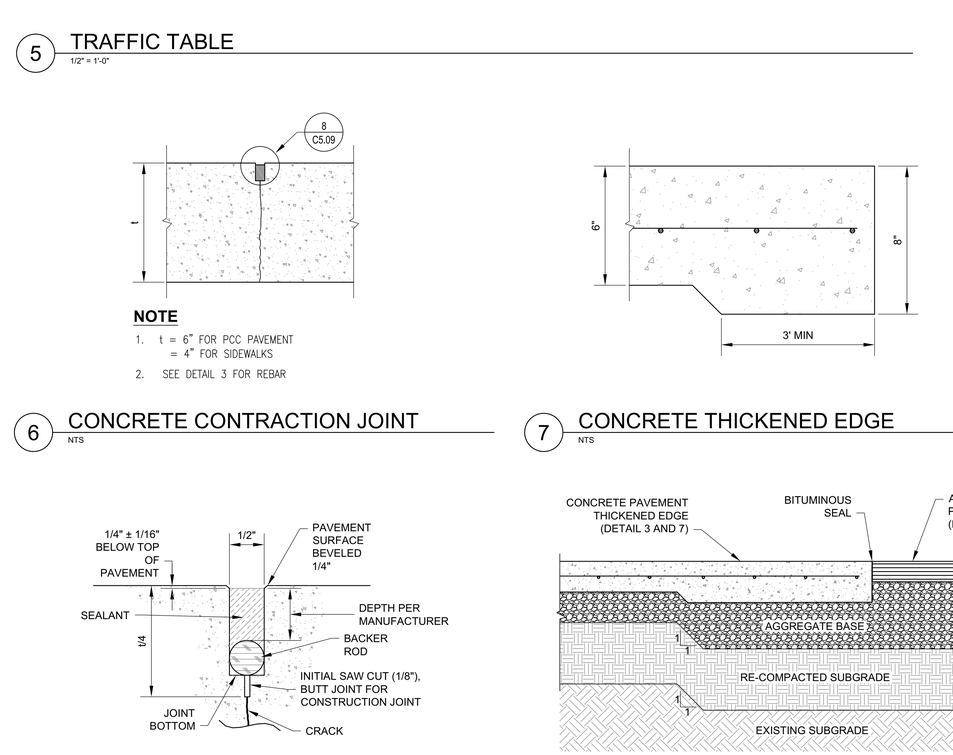


SECTION 2 - CURB-CUT LOCATION (CONCRETE PAVEMENT)

NOTES:

1. SAW-CUT 1/8", 1" DEEP, WEAKENED PLANE JOINTS AT MAXIMUM 8 FOOT INTERVALS AND AT THE BEGINNING AND END OF CURB RADII.
2. EXPANSIONS JOINTS, $\frac{1}{2}$" PRE-MOLDED MATERIAL SHALL BE PLACED AT 30 FOOT INTERVALS AND AT THE BEGINNING AND END OF CURB RADII.
3. SEE SHEET C1.10 FOR LOCATION OF EACH CURB TYPE.
4. SECTION 1 - FULL HEIGHT CURBS SHALL BE USED FOR FULL LENGTH CURBS WITHOUT CURB CUTS.

4 CONCRETE CURB
1-1/2" = 1'-0"



NOTE:

1. SEE DETAIL 3, THIS SHEET FOR CONCRETE PAVEMENT SECTION.
2. TRAFFIC TABLE SHALL BE CONSTRUCTED AT LOCATION SHOWN ON SITE PLAN, SHEET C1.02
3. SLOPES ALONG TRAFFIC TABLE AND ACCESSIBLE AISLE SHALL NOT EXCEED 2% ANY DIRECTION. SEE SHEET C4.02 FOR ENLARGED GRADING PLAN.

5 TRAFFIC TABLE
1/2" = 1'-0"

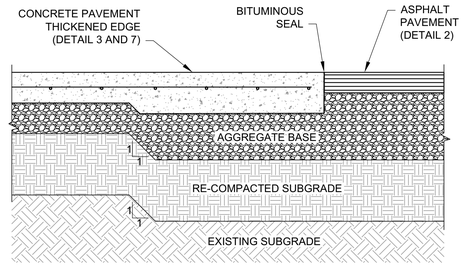
NOTE

1. t = 6" FOR PCC PAVEMENT
   = 4" FOR SIDEWALKS
2. SEE DETAIL 3 FOR REBAR

6 CONCRETE CONTRACTION JOINT
NTS

7 CONCRETE THICKENED EDGE
NTS

8 CONCRETE JOINT SEALANT
NTS



9 CONCRETE TO ASPHALT TRANSITION
NTS

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DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

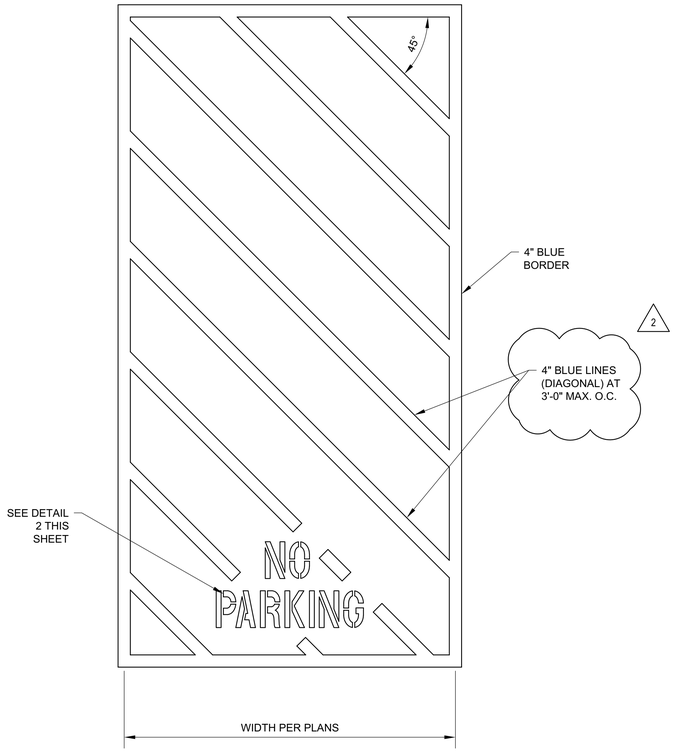
PAVEMENT DETAILS

SHEET NO.
C5.09

ISSUE DATE: JULY , 2020

0041

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



1 NO PARKING STRIPING
NTS

A=2 ft²
SEE NOTE

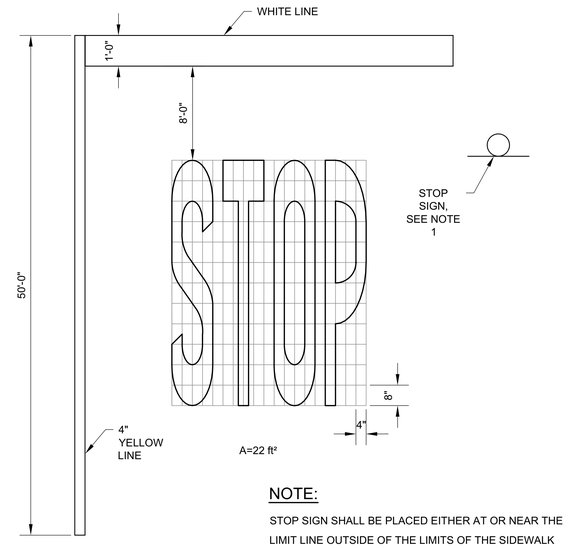
NOTE:

THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH, LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.

OTHER PAINTED TEXT SHALL MATCH THIS STYLE OF TEXT HEIGHT AND LETTER SPACING

2 "NO PARKING" AND OTHER LETTERING
NTS

3 STOP BAR AND "STOP" TEXT
NTS

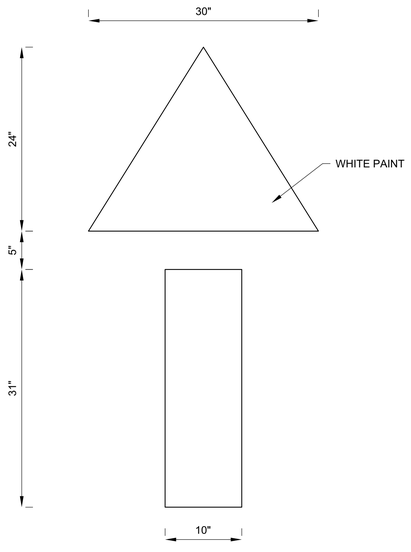


NOTE:

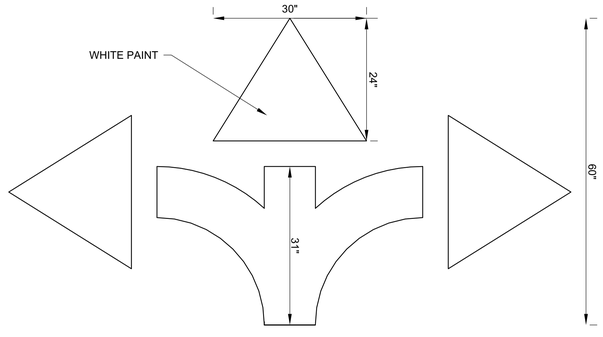
STOP SIGN SHALL BE PLACED EITHER AT OR NEAR THE LIMIT LINE OUTSIDE OF THE LIMITS OF THE SIDEWALK

SOURCE: CALTRANS RSP A24D

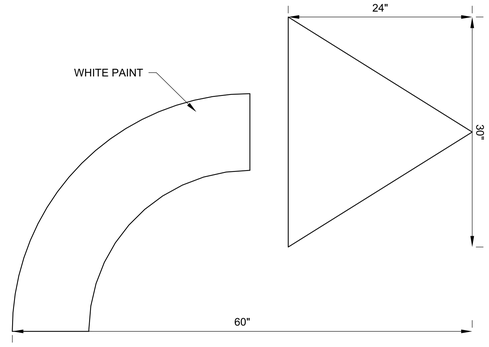
4 FIRE LANE STRIPING
NTS



5 STRAIGHT ARROW
NTS



6 MULTI-TURN ARROW
NTS



7 RIGHT TURN ARROW
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
GORDON HO-MAN FONG
C 87304
CIVIL
STATE OF CALIFORNIA
08/07/2020

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

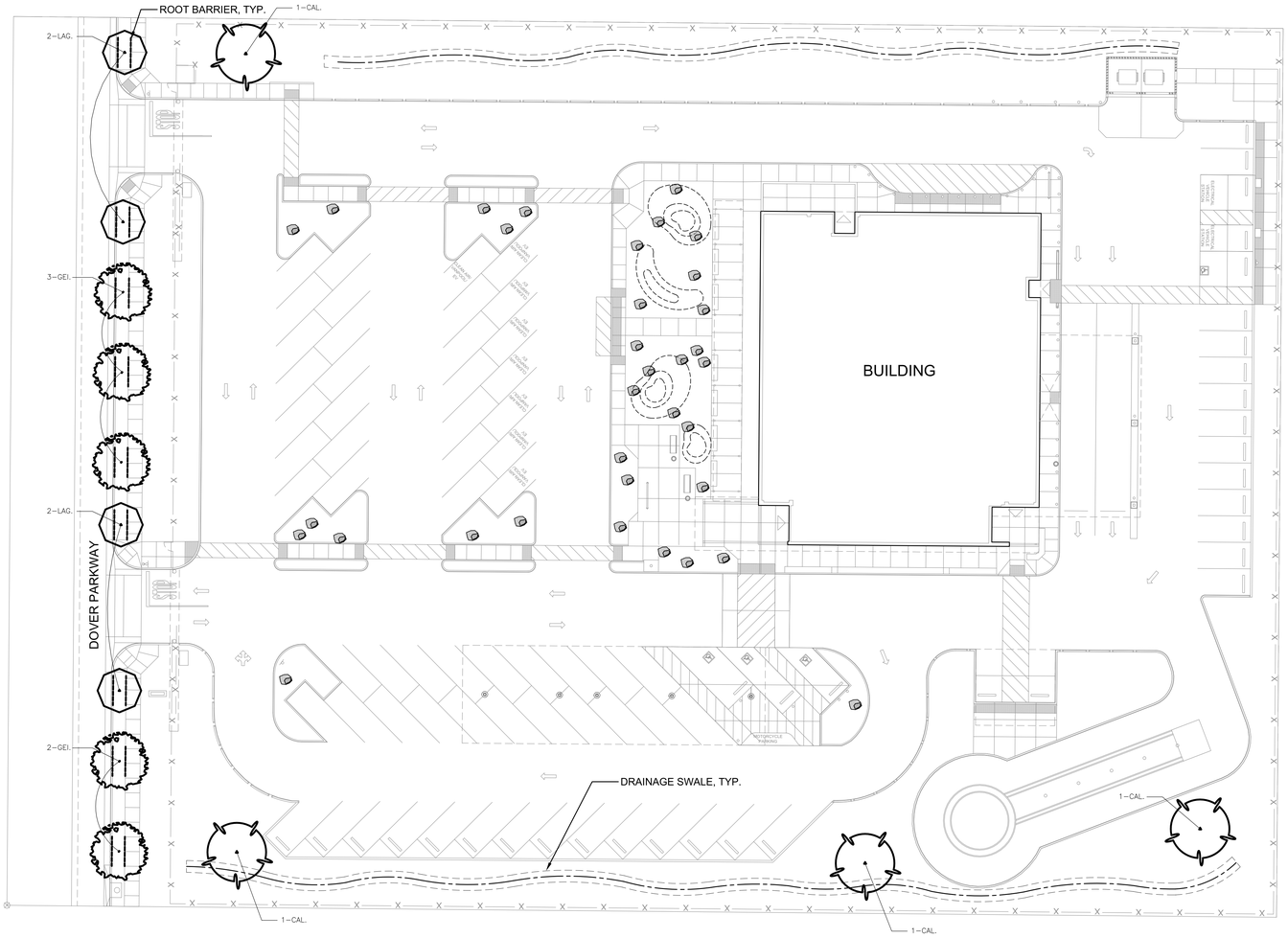
NO.	DESCRIPTION	DATE
1	DSA REVIEW	08/07/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

STRIPING DETAILS

SHEET NO.
C5.10

V3
ISSUE DATE: JULY , 2020



KEY / LANDSCAPE LEGEND

TREES - NOT ALL SYMBOLS SHOWN

DRAINAGE SWALE
FLOWLINE AND 48" WIDE "BOTTOM OF SWALE" SHOWN. FLOWLINE WILL BE PLANTED WITH SWALE PLANT MATERIAL THAT SURVIVES PERIODIC INUNDATION. NO MULCH MATERIAL IN BOTTOM OF SWALE. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. SEE DETAIL 3 ON SHEET L4.1.

DECORATIVE BOULDER
BOULDERS, 18"–30" TALL BY 36"–48" WIDE. BOULDERS WILL BE BURIED 1/4 OF THEIR OVERALL HEIGHT. SEE DETAIL 4 ON SHEET L4.1.

LANDSCAPE MOUND
6" CONTOUR INTERVALS.

ROOT BARRIER, INSTALL WHERE SHOWN ON PLAN
SEE SHEET L4.2 FOR DETAIL

7–AAA.
PLANT QUANTITY
PLANT KEY

TREE MATERIAL LIST

SIZE	QUANTITY	KEY	BOTANICAL NAME ... COMMON NAME
			TREES:
24" BOX	4	CAL.	CALOCEDRUS DECURRENS ... CALIFORNIA INCENSE CEDAR

BIFURCATION PLANTER TREE MATERIAL LIST

SIZE	QUANTITY	KEY	BOTANICAL NAME ... COMMON NAME
			TREES:
24" BOX	5	GEI.	GEIJERA PARVIFLORA ... AUSTRALIAN WILLOW
24" BOX	4	LAG.	LAGERSTROEMIA INDICA 'MUSKOGEE' ... MUSKOGEE CRAPE MYRTLE

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION AND SITE DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1– AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

WATER EFFICIENT LANDSCAPE PROJECT INFORMATION

PROJECT NAME: CALIFORNIA DEPARTMENT OF MOTOR VEHICLES – DMV
PROJECT LOCATION: DELANO, CA
TOTAL LANDSCAPE AREA: 26,646 SQUARE FEET
PROJECT TYPE: NEW CONSTRUCTION
WATER SUPPLY: WATER & SEWER

INCLUDED IN THIS PROJECT SUBMITTAL PACKAGE ARE:
- X 1. PROJECT INFORMATION (THIS SHEET)
- X 2. WATER EFFICIENT LANDSCAPE WORKSHEET (SEE SHEET L5.1)
- X 3. SOIL MANAGEMENT REPORT (TO BE SUBMITTED WITH CLOSE–OUT DOCUMENTATION (SEE SPECS)
- X 4. PLANTING PLAN (SEE SHEET L2.1)
- X 5. IRRIGATION PLAN (SEE SHEET L3.1)
- X 6. GRADING PLAN (SEE CIVIL GRADING PLANS)

OWNER: CALIFORNIA DEPARTMENT OF GENERAL SERVICES
DOVER PARKWAY
DELANO, CA 93215

APPLICANT: BRYAN WALKER (CA. LANDSCAPE ARCHITECT #5453)
MTW GROUP (LANDSCAPE ARCHITECTURE AND PLANNING)
2707 K STREET, SUITE 201
SACRAMENTO, CA 95816
916–369–3990

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE. I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION PLAN.

BRYAN WALKER
MTW GROUP
4/16/20

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

LANDSCAPE ARCHITECT — DATE 04/06/20

20' 10' 0 20' 40'
SCALE: 1"= 20'–0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
CALIFORNIA LANDSCAPE ARCHITECT BRYAN WALKER 5453 12/31/21 STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA/SFM	7/15/20

DATE 07/15/2020
JOB NO. DGS 140724
SHEET TITLE

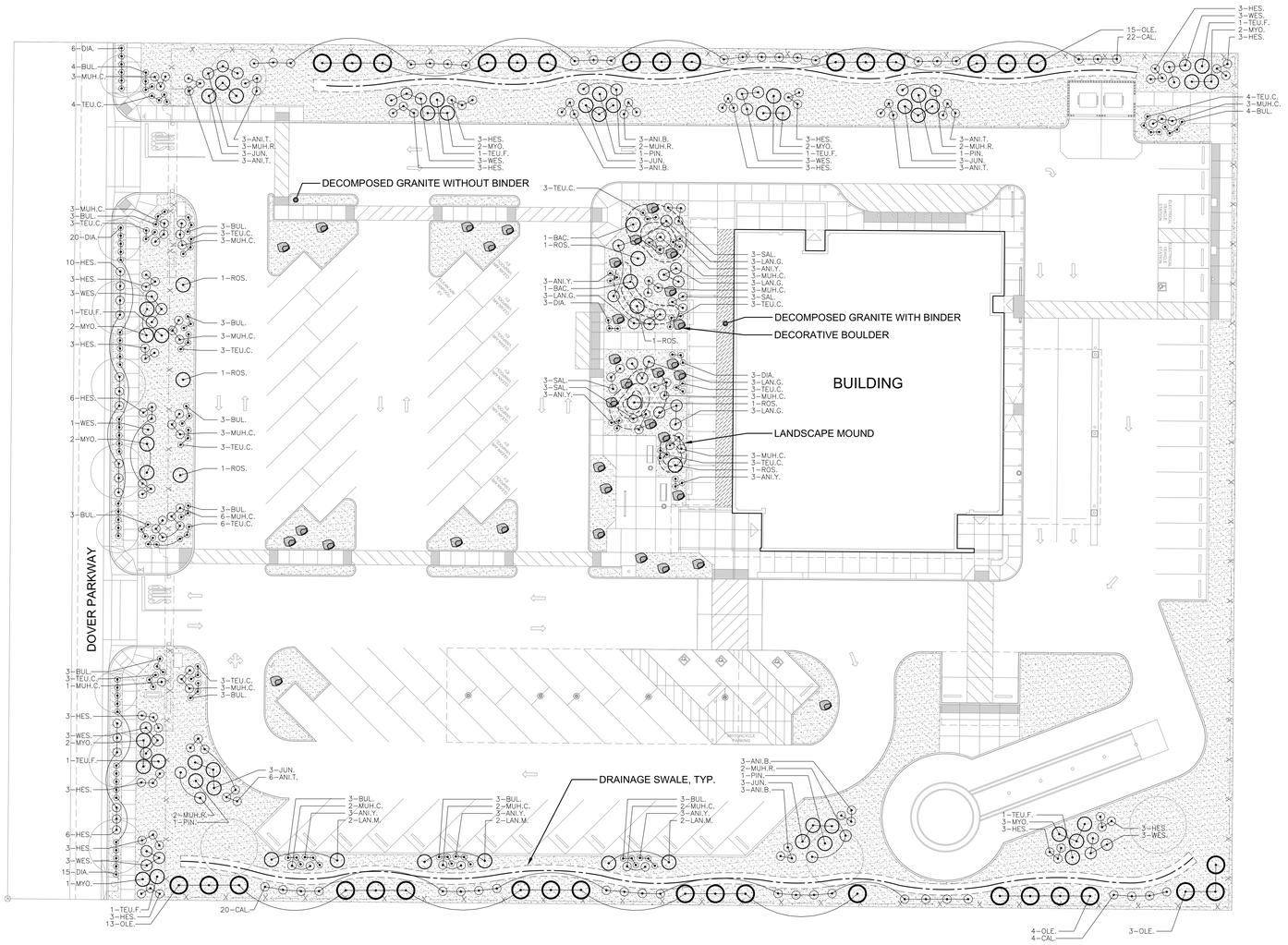
TREE PLANTING PLAN

SHEET NO.
L1.1

SHEET 1 OF 6 TOTAL

ISSUE DATE: JULY 2023

ONE INCH = TWENTY FEET
ONE–SIXTEENTH INCH = ONE FOOT
ONE–EIGHTH INCH = ONE FOOT
ONE–QUARTER INCH = ONE FOOT
THREE–QUARTERS INCH = ONE FOOT
ONE AND ONE–HALF INCH = ONE FOOT



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5. SEE SHEET L4.1 FOR PLANTING INSTALLATION AND SITE DETAILS.

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SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

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KEY | LANDSCAPE LEGEND

TREE OUTLINE FOR REFERENCE

SHRUBS/GROUNDCOVER (400 TOTAL)
LOW WATER USE PLANT MATERIAL WILL BE SPECIFIED. PLANT MATERIAL WILL BE GENERALLY BE UNDER 36" HEIGHT AT MATURITY.

DECOMPOSED GRANITE PAVING WITH BINDER
GOLD COLOR WITH BINDER
SEE DETAIL L4.1–6

DECOMPOSED GRANITE PAVING
GOLD COLOR
SEE DETAIL L4.1–7

DRAINAGE SWALE
FLOWLINE AND 48" WIDE 'BOTTOM OF SWALE' SHOWN. FLOWLINE WILL BE PLANTED WITH SWALE PLANT MATERIAL THAT SURVIVES PERIODIC INUNDATION. NO MULCH MATERIAL IN BOTTOM OF SWALE. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. SEE DETAIL L4.1–3 FOR PLANTING LAYOUT.

DECORATIVE BOULDER
BOULDERS, 18"–30" TALL BY 36"–48" WIDE. BOULDERS WILL BE BURIED 1/4 OF THEIR OVERALL HEIGHT. SEE DETAIL 4 ON SHEET L4.1.

LANDSCAPE MOUND
6" CONTOUR INTERVALS.

PEA GRAVEL
A 3" LAYER OF PEA GRAVEL TO BE INSTALLED OVER WEED FABRIC ON CONTOURED PLANTING AREAS. WEED FABRIC TO BE STAPLED DOWN WITH LANDSCAPE FABRIC STAPLES.

SUPPLIER: THE BULK YARD (BAKERSFIELD, CA)
PEA GRAVEL TYPE: SUNSET PEBBLE

7–AAA. PLANT QUANTITY
PLANT KEY

PLANT MATERIAL LIST

WATER USE	SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME
				SHRUBS:
LOW	5 G.C.	12	ANI.B.	ANIGOZANTHOS 'BACKDRAFT' ... BACKDRAFT KANGAROO PAW
LOW	5 G.C.	18	ANI.T.	ANIGOZANTHOS 'TEQUILA SUNRISE' ... TEQUILA SUNRISE KANGAROO PAW
LOW	1 G.C.	21	ANI.Y.	ANIGOZANTHOS HYBRID 'YELLOW BUSH GEM ... BUSH GEM KANGAROO PAW
LOW	1 G.C.	2	BAC.	BACCHARIS PILULARIS 'TWIN PEAKS' ...DWARF COYOTE BRUSH
LOW	1 G.C.	41	BUL.	BULBINE FRUTESCENS 'HALLMARK' ... ORANGE STALKED BULBINE
LOW	5 G.C.	46	CAL.	CALISTEMON 'SLIM' ... SLIM BOTTLEBRUSH
LOW	5 G.C.	6	DIA.	DIANELLA REVOLUTA 'LITTLE REV' ... LITTLE REV FLAX LILLY
LOW	1 G.C.	48	HES.	HESPERALOE 'BRAKLIGHTS' ... BRAKELIGHTS RED YUCCA
LOW	5 G.C.	15	LAN.G.	LANTANA 'GOLD MOUND' ... GOLD MOUND LANTANA
LOW	5 G.C.	6	LAN.M.	LANTANA MONTEVIDENSIS ... LANTANA
LOW	5 G.C.	46	MUH.C.	MUHLENBERGIA CAPILLARIS ... PINK MUHLY
LOW	5 G.C.	11	MUH.R.	MUHLENBERGIA RIGENS ... DEER GRASS
LOW	1 G.C.	16	MYO.	MYOPORUM PARVIFOLIUM ... TRAILING MYOPORUM
LOW	5 G.C.	35	OLE.	OLEA EUROPEAE 'LITTLE OLLIE' ... LITTLE OLLIE OLIVE
LOW	5 G.C.	4	PIN.	PINUS MUGO ... MUGO PINE
LOW	5 G.C.	7	ROS.	ROSMARINUS OFFICINALIS 'INGRAM' ... COLLINGWOOD INGRAM ROSEMARY
LOW	5 G.C.	12	SAL.	SALVIA CHAMAEDRYOIDES ... GERMANDER SAGE
LOW	1 G.C.	44	TEU.C.	TEUCRIUM CHAMAEDRYS ... GERMANDER
LOW	5 G.C.	7	TEU.F.	TEUCRIUM FRUTICANS ... BUSH GERMANDER
LOW	5 G.C.	22	WES.	WESTRINGIA FRUTICOSA 'MORNING LIGHT' ... COAST ROSEMARY
				GROUNDCOVER:
LOW	5 G.C.	15	JUN.	JUNIPER HORIZONTALIS 'BAR HARBOR' ... CREEPING JUNIPER
				SWALE PLANTING:
LOW	1 G.C.	112	CAR.S.	CAREX SPISSA ... SAN DIEGO SEDGE
LOW	1 G.C.	80	FES.	FESTUCA MAIREI ... ATLAS FESCUE
LOW	1 G.C.	112	CAR.P.	CAREX 'PRAIRIE FIRE' ... PRAIRIE FIRE SEDGE
MED	1 G.C.	80	JUN.	JUNCUS EFFUSUS 'QUARTZ CREEK' ... QUARTZ CREEK SOFT RUSH

NOTE: SHRUB SIZES WILL BE APPROXIMATELY 70% 5 GALLON AND 30% 1 GALLON SIZES. TOTAL PROPOSED QUANTITY IS 389 CONTAINERS.
NOTE: SWALE PLANTING WILL HAVE 1 GALLON PLANTS SPACED AT 24-36" ON CENTER. SEE DETAIL L4.1-3 FOR PLANTING LAYOUT INFORMATION.

BIFURCATION PLANTER PLANT MATERIAL LIST

WATER USE	SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME
				SHRUBS:
LOW	5 G.C.	41	DIA.	DIANELLA REVOLUTA 'LITTLE REV' ... LITTLE REV FLAX LILLY
LOW	5 G.C.	16	HES.	HESPERALOE 'BRAKLIGHTS' ... BRAKELIGHTS RED YUCCA

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

LANDSCAPE ARCHITECT — DATE 04/16/20

20' 10' 0 20' 40'
SCALE: 1"= 20'–0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
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California Department of General Services

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA/SFM	7/15/20

DATE 07/15/2020
JOB NO. DGS 140724
SHEET TITLE

SHRUB PLANTING PLAN

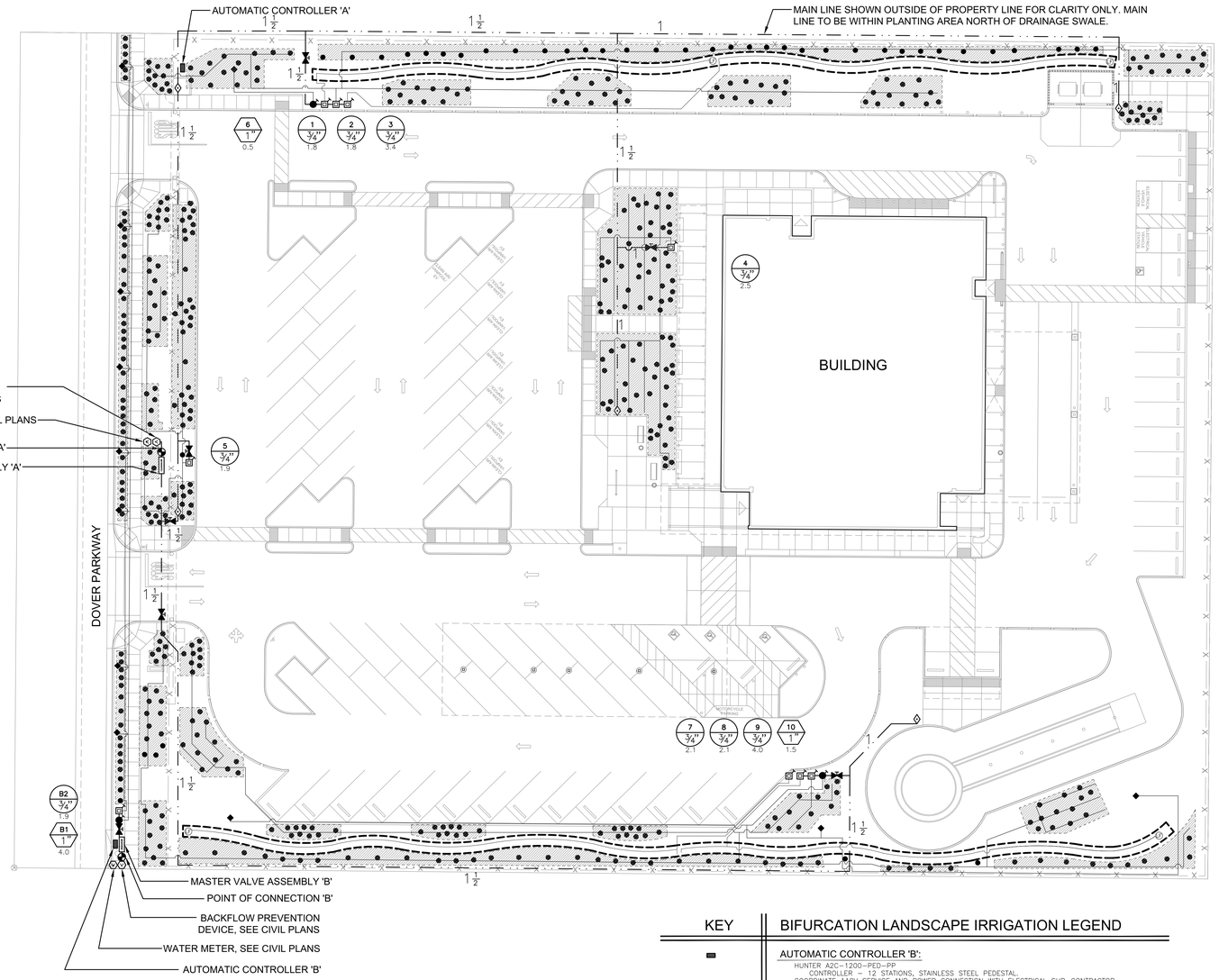
SHEET NO.

L2.1

SHEET 2 OF 6 TOTAL

ISSUE DATE: JUL V4 2023

ONE INCH = TWENTY FEET ONE–SIXTEENTH INCH = ONE FOOT ONE–EIGHTH INCH = ONE FOOT THREE–QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE–QUARTER INCH = ONE FOOT ONE–HALF INCH = ONE FOOT ONE AND ONE–HALF INCH = ONE FOOT



KEY — LANDSCAPE IRRIGATION LEGEND

AUTOMATIC CONTROLLER 'A':
HUNTER ACC-1200-PED-SS
CONTROLLER – 12 STATIONS, STAINLESS STEEL PEDESTAL.
COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.

POINT OF CONNECTION 'A':
THIS SPRINKLER IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 20 PSI DYNAMIC WATER PRESSURE WITH A MAXIMUM FLOW OF 17 GPM.

WATER METER:
BY OTHERS. SEE CIVIL ENGINEERING SHEETS.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE:
BY OTHERS. SEE CIVIL ENGINEERING SHEETS.

MASTER VALVE ASSEMBLY 'A':
COMPONENTS:
- FLOW SENSOR = CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1" SIZE TEE TYPE FLOW SENSOR.
- MASTER VALVE = 1" NORMALLY CLOSED GRISWOLD #2000H.

FLOW SENSOR TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRES IN 1" CONDUIT. MASTER VALVE TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRES IN 1" CONDUIT.

GATE VALVE:
TYPE:
NIBCO NO T-113 WITH A NON-RISING STEM AND HANDWHEEL.

GATE VALVE INSTALLLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE.
GATE VALVE TO BE LINE SIZE.

QUICK COUPLER VALVE:
RAINBIRD 44NP.
VALVES SHALL HAVE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

PRESSURE MAIN LINE:
TYPE:
ASTM D1785, PVC SCH 40.
TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

LATERAL LINE:
TYPE:
PVC SCHEDULE 40, SOLVENT WELD ALL UNSIZED PIPE SHALL BE 3/4" SIZE.
TRENCH DEPTH:
IN PLANTED AREAS:
BUBBLER HEADS: – 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

AUTOMATIC CONTROL VALVE:
RAINBIRD PEB-PRS-D SERIES
VALVE SHALL HAVE PRESSURE REGULATION OPTION.

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:
RAINBIRD CONTROL ZONE KIT MODEL XCZ-75-PRF.

SUBSURFACE INLINE DRIP SYSTEM:
NETAFIM TUBING TO BE TECHLINE CV AND INSTALLED PER DETAIL L4.2-6.
TECHLINE TO BE INSTALLED 5" BELOW GRADE IN TURF AND 4" BELOW GRADE IN SHRUB BEDS. PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN.
NETAFIM TECHLINE CV NOT SHOWN.
NETAFIM DRIP TUBING SPACING:
SHRUB/GROUNDCOVER PLANTER AREAS: 16" ROW SPACING (.6 GPH @ 16" SPACING)
TECHLINE CV TUBING NOT TO EXCEED 400' IN A SINGLE RUN.

MANUAL LINE FLUSHING VALVE IN BOX:
MANUAL LINE FLUSHING VALVE TO BE INSTALL ON THE PVC PIPE IN AN EMITTER BOX BELOW GRADE.

TREE BUBBLER HEADS (TWO PER TREE):
RAINBIRD: RWS-M-B-C-1401
SIZE: 18" TALL. GPM: 0.25.

SHRUB BUBBLER:
EMITTER TO BE HUNTER HEB-20 (2 GPH) WITH HE-DIFF (DIFFUSER CAP).
IH RISER TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE. HUNTER HI-RISER EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL L4.2-1 FOR INSTALLATION.
UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

LIMITS OF SHRUB BUBBLER PLACEMENT

1 / 1" / 0.00 — INDICATES CONTROL VALVE AND STATION NUMBER
INDICATES CONTROL VALVE SIZE
INDICATES GALLONS PER MINUTE

PRESSURE LOSS CALCULATIONS

1" WATER METER = 2 PSI AT 17 GPM
1" BACKFLOW DEVICE = 14 PSI AT 17 GPM
1" MASTER VALVE & FLOW SENSOR = 2.3 PSI
1" AUTOMATIC CONTROL VALVE = 1.6 PSI
1 1/2" MAIN LINE SCH 40 PVC PIPE = 10.5 PSI
3/4" LATERAL LINE SCH 40 PVC PIPE = 4.16 PSI
PVC PIPE FITTINGS = .9 PSI

TOTAL PSI LOSS: 35.5

STATIC PRESSURE BEFORE WATER METER = 69 PSI
PSI NEEDED FOR SUB-SURFACE DRIP VALVES = 20 PSI

AVAILABLE PRESSURE LOSS AFTER CALCULATIONS = 33.5 PSI

LANDSCAPE IRRIGATION NOTES

1. COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILATION OF ARCHITECTURAL, ENGINEERING, AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
2. DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
3. DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
4. SPRINKLER OVER SPRAY SHALL NOT BE ALLOWED ON PUBLIC SIDEWALKS, BUILDING WALLS OR FENCES. MINIMUM OVERSPRAY MAY OCCUR IN PARKING AREAS. USE ADJUSTABLE NOZZLES WHENEVER POSSIBLE TO CONTROL SPRINKLER OVERSPRAY.
5. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
6. TESTING:
   A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
      SYSTEMS WITH BOOSTER PUMP:
      MAIN LINE – AT 100 PSI FOR 4 HOURS.
      LATERAL LINES – AT 100 PSI FOR 2 HOURS.
      SYSTEMS WITH OUT BOOSTER PUMP:
      MAIN LINE – AT STATIC PSI FOR 4 HOURS.
      LATERAL LINES – AT STATIC PSI FOR 2 HOURS.
   B. COVERAGE TEST:
      NOTE: PRIOR TO REQUESTING COVERAGE TEST, INSURE ALL HEADS ARE SET PLUMB, NOZZLES ARE ADJUSTED PROPERLY AND SYSTEM HAS BEEN CHECKED FOR AUTOMATION. REQUEST OWNER'S REPRESENTATIVES PRESENCE ON-SITE WHEN SPRINKLER SYSTEM IS COMPLETELY INSTALLED AND FULLY AUTOMATIC. PROVIDE ADEQUATE PERSONNEL AT THIS MEETING TO ADJUST AND FINE TUNE SYSTEM TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
8. INSTALL ALL SPRINKLER HEADS PERPENDICULAR TO SLOPES OR GRADE.
9. CONTROL WIRE SHALL BE UF-14, COLOR FOR LEAD AND WHITE FOR COMMON. SPLICES SHALL BE PERMITTED AT VALVE BOX LOCATIONS ONLY.
10. PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.
11. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
13. FOR LANDSCAPE IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.1 L4.2.

KEY — BIFURCATION LANDSCAPE IRRIGATION LEGEND

AUTOMATIC CONTROLLER 'B':
HUNTER A2C-1200-PED-PP
CONTROLLER – 12 STATIONS, STAINLESS STEEL PEDESTAL.
COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.

POINT OF CONNECTION 'B':
THIS SPRINKLER IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 20 PSI DYNAMIC WATER PRESSURE WITH A MAXIMUM FLOW OF 6 GPM.

WATER METER:
BY OTHERS. SEE CIVIL ENGINEERING SHEETS.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE:
BY OTHERS. SEE CIVIL ENGINEERING SHEETS.

MASTER VALVE ASSEMBLY 'B':
COMPONENTS:
- FLOW SENSOR = CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1" SIZE TEE TYPE FLOW SENSOR.
- MASTER VALVE = 1" NORMALLY CLOSED GRISWOLD #2000H.

FLOW SENSOR TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRES IN 1" CONDUIT. MASTER VALVE TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRES IN 1" CONDUIT.

GATE VALVE:
TYPE:
NIBCO NO T-113 WITH A NON-RISING STEM AND HANDWHEEL.

GATE VALVE INSTALLLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE.
GATE VALVE TO BE LINE SIZE.

PRESSURE MAIN LINE:
TYPE:
ASTM D1785, PVC SCH 40.
TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

LATERAL LINE:
TYPE:
PVC SCHEDULE 40, SOLVENT WELD ALL UNSIZED PIPE SHALL BE 3/4" SIZE.
TRENCH DEPTH:
IN PLANTED AREAS:
BUBBLER HEADS: – 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
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VALVE SHALL HAVE PRESSURE REGULATION OPTION.

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:
RAINBIRD CONTROL ZONE KIT MODEL XCZ-75-PRF.

TREE BUBBLER HEADS (TWO PER TREE):
RAINBIRD: RWS-M-B-C-1401
SIZE: 18" TALL. GPM: 0.25.

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EMITTER TO BE HUNTER HEB-20 (2 GPH) WITH HE-DIFF (DIFFUSER CAP).
IH RISER TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE. HUNTER HI-RISER EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL L4.2-1 FOR INSTALLATION.
UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

LIMITS OF SHRUB BUBBLER PLACEMENT

B1 / 1" / 0.00 — INDICATES CONTROL VALVE AND STATION NUMBER
INDICATES CONTROL VALVE SIZE
INDICATES GALLONS PER MINUTE

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

LANDSCAPE ARCHITECT — 4/6/20 DATE

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA/SFM	7/15/20

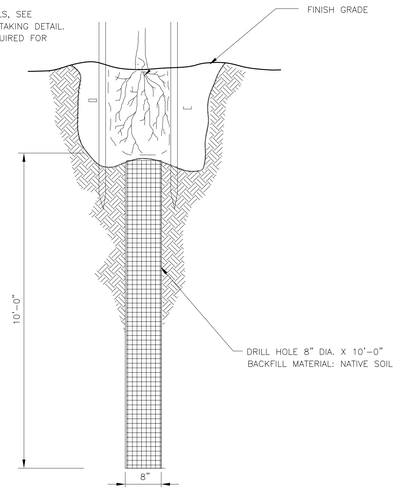
DATE 07/15/2020
JOB NO. DGS 140724
SHEET TITLE

LANDSCAPE IRRIGATION PLAN

SHEET NO.
L3.1
SHEET 3 OF 6 TOTAL

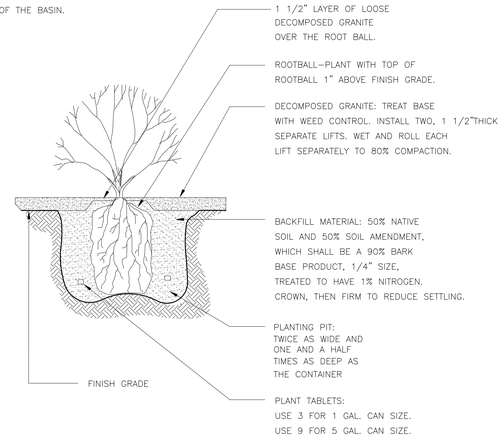
ISSUE DATE: JULY 2023

NOTE:
1. FOR ADDITIONAL DETAILS, SEE TREE PLANTING AND STAKING DETAIL.
2. TREE DRILLING IS REQUIRED FOR ALL TREES.



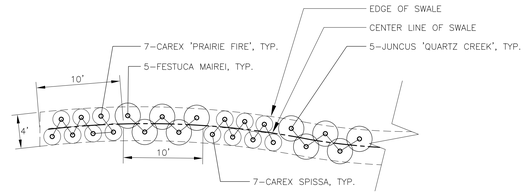
1 TREE DRILLING DETAIL

NOTE: VITAMIN B-1 SUPERTHRIVE LIQUINOX OR EQUAL. APPLY AS PER MANUFACTURE'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



2 DECOMPOSED GRANITE SHRUB PLANTING DETAIL

NOTE:
1. ALTERNATE BETWEEN CAREX, FESTUCA AND JUNCUS EVERY TEN FEET OF SWALE AS SHOWN.
2. PLANT MATERIAL TO BE PLANTED BETWEEN EDGE AND CENTER OF SWALE.

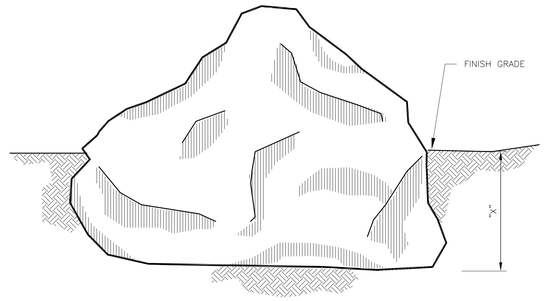


PLAN

3 SWALE PLANTING LAYOUT DETAIL

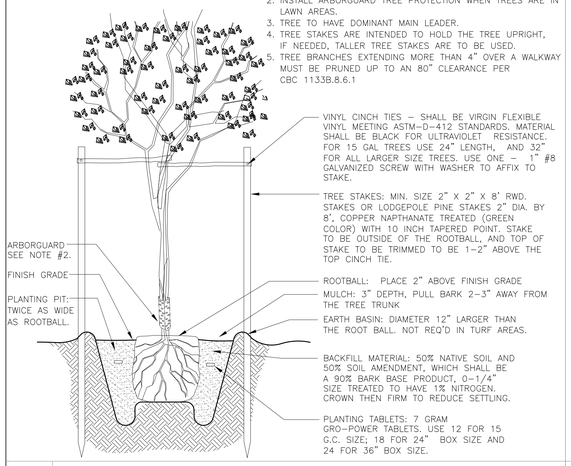
NOTES:
1. ALL ROCKS SHALL BE SANTA PAULA BOULDERS FROM BUCK'S LANDSCAPE MATERIALS (BAKERSFIELD, CA) AND ARE SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT.
2. "X" = ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 1/3 IT'S OVERALL HEIGHT.
3. FINAL PLACEMENT SHALL BE AS DIRECTED BY LANDSCAPE ARCHITECT.

QUANTITY	HEIGHT	WIDTH
34	18"-30"	36"-48"



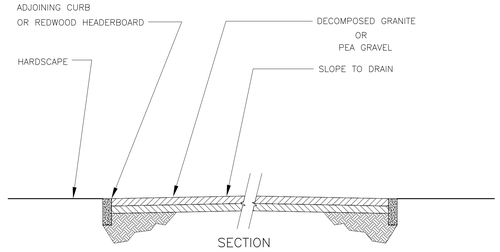
4 FIELDSTONE INSTALLATION DETAIL

NOTES:
1. VITAMIN B-1: SUPERTHRIVE, LIQUINOX START OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH THE SECOND WATERING OF THE BASIN.
2. INSTALL ARBORGUARD TREE PROTECTION WHEN TREES ARE IN LAWN AREAS.
3. TREE TO HAVE DOMINANT MAIN LEADER.
4. TREE STAKES ARE INTENDED TO HOLD THE TREE UPRIGHT, IF NEEDED, TALLER TREE STAKES ARE TO BE USED.
5. TREE BRANCHES EXTENDING MORE THAN 4" OVER A WALKWAY MUST BE PRUNED UP TO AN 80" CLEARANCE PER CBC 1133B.8.6.1



5 TREE PLANTING AND STAKING DETAIL

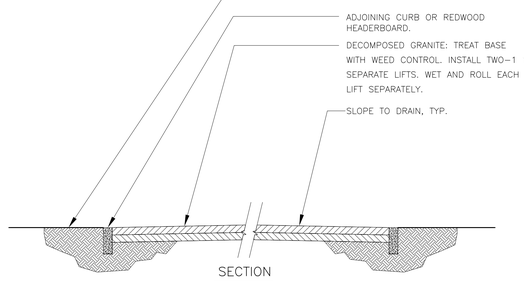
NOTES:
1. SUBMIT SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
2. DECOMPOSED GRANITE SHALL HAVE A MIXTURE OF FINE TO 3/8" SIZE PARTICLES WITH NO CLODS.
3. DECOMPOSED GRANITE AND PEA GRAVEL SHALL BE FREE OF VEGETATION, OTHER SOILS, DEBRIS AND ROCKS.
4. DECOMPOSED GRANITE MATERIAL SHALL BE GOLD IN COLOR.
5. BOTH MATERIAL SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED READILY UNDER WATERING AND ROLLING.
6. DECOMPOSED GRANITE TO BE PRE-MIXED WITH STABILIZER SOLUTION 'STABILIZER' BINDER PER SPECIFICATION SECTION 329000.
7. FOR BOTH DECOMPOSED GRANITE AND PEA GRAVEL, TREAT BASE WITH WEED CONTROL. INSTALL TWO, 1 1/2" SEPARATE LIFTS. WET AND ROLL EACH LIFT SEPARATELY.



SECTION

6 DECOMPOSED GRANITE/BINDER DETAIL

NOTES:
1. SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
2. DECOMPOSED GRANITE SHALL HAVE A MIXTURE OF FINE TO 3/8" SIZE PARTICLES WITH NO CLODS OF DEBRIS.
3. THE MATERIAL SHALL BE FREE OF VEGETATION, OTHER SOILS, DEBRIS AND ROCKS.
4. THE MATERIAL SHALL BE GOLD IN COLOR.
5. THE MATERIAL SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED TO 90% READILY UNDER WATERING AND ROLLING.



SECTION

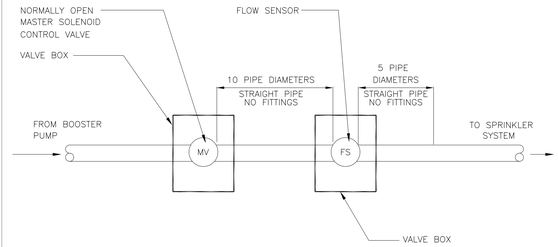
7 DECOMPOSED GRANITE DETAIL

NOTES:
1. ALL ROCKS SHALL BE SANTA PAULA BOULDERS FROM BUCK'S LANDSCAPE MATERIALS (BAKERSFIELD, CA) AND ARE SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT.
2. "X" = ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 1/3 IT'S OVERALL HEIGHT.
3. FINAL PLACEMENT SHALL BE AS DIRECTED BY LANDSCAPE ARCHITECT.

QUANTITY	HEIGHT	WIDTH
34	18"-30"	36"-48"

4 FIELDSTONE INSTALLATION DETAIL

NOTES:
1. UF 14 WIRE AND EV-CAB-SEN CABLE NOT SHOWN, SEE OVERALL SCHEMATIC LAYOUT DETAIL.
2. VALVE BOX AND LID TO BE CONCRETE H20 TRAFFIC RATED. TOP OF BOX TO BE LEVEL, FLUSH TO FINISH GRADE IF LOCATED IN PAVED AREA,, 1" ABOVE FINISH GRADE IF LOCATED IN NON PAVED AREA. USE VALVE BOX EXTENSIONS AS REQUIRED TO ENCASE VALVE AND PIPE WITHIN BOX WITH A 3" CLEARANCE BELOW. ALL PENETRATION SHALL BE SEALED FROM THE INSIDE.



8 MASTER VALVE AND FLOW SENSOR LAYOUT

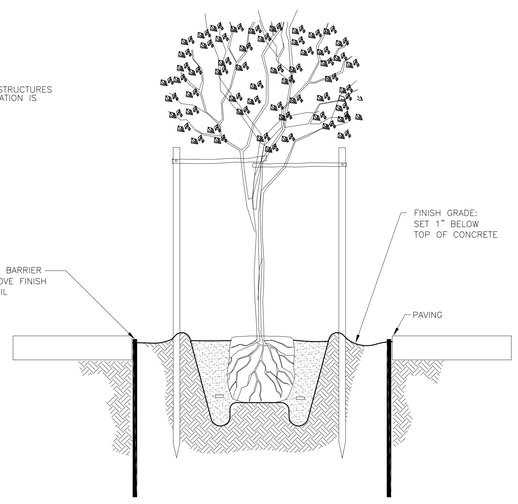
NOTE:
1. ROOT BARRIER TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS.

TREE ROOT BARRIER PROTECTION

1. CONTRACTOR TO REMOVE ALL CONCRETE SPOILS FROM FLATWORK, CURBS OR OTHER CONCRETE STRUCTURES TO ENSURE THE ROOT BARRIER IS ADJACENT TO THE CONCRETE AND VERTICAL. ANGLED INSTALLATION IS NOT ACCEPTABLE.
2. TREE SHALL BE LOCATED IN CENTER OR MIDPOINT OF PLANTER.
3. TREE ROOT BARRIER IS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS.
4. TREE ROOT BARRIER SHALL BE INSTALLED ADJACENT TO EDGE OF PAVING AS DETAILED
5. PLACE ROOT BARRIER SO THAT VERTICAL RIBS FACE TOWARD THE TREE.

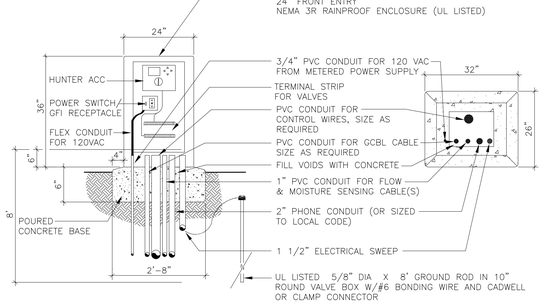
ROOT BARRIER
BY: DEEP ROOT PARTNERS OR NDS INC. OR APPROVED EQ.

15 GAL SIZE TREE OR LARGER:
24" MODULAR ROOT BARRIER PANEL



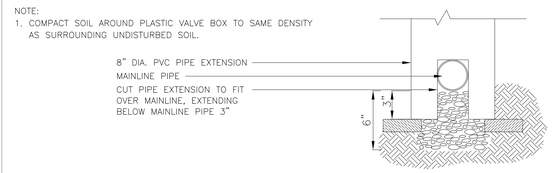
9 ROOT BARRIER CONTROL DETAIL

NOTES:
1. ACC ASSEMBLY TO INCLUDE
   CONTROLLER MODEL AS SPECIFIED
   ENCLOSURE MODEL AS SPECIFIED
   OPTIONS AS SPECIFIED
   TERMINAL STRIPS
   TEMPLATE & BOLTS
   UL LISTED 8' COPPER GROUND ROD
   GROUND ROD CLAMP OR CADWELD
   10' OF #6 GROUNDING WIRE
2. GROUNDING NOTE
   GROUND ROD SHALL BE LOCATED NO CLOSER THAN 6 FT. AND NO FURTHER THAN 12 FT. FROM THE CONTROLLER UNLESS OTHERWISE SPECIFIED.
   A 10" ROUND VALVE BOX SHALL BE INSTALLED OVER THE GROUND ROD FOR LOCATION AND MAINTENANCE PURPOSES
3. CABLE & WIRE NOTE
   ALL CABLE AND ELECTRICAL WIRES MUST BE RUN IN CONDUIT.

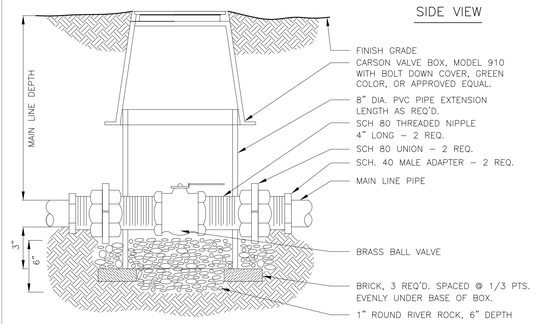


10 ACC FRONT ENTRY AUTOMATIC CONTROLLER

NOTE:
1. COMPACT SOIL AROUND PLASTIC VALVE BOX TO SAME DENSITY AS SURROUNDING UNDISTURBED SOIL.



SIDE VIEW



11 BALL VALVE DETAIL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA/SFM	7/15/20

DATE 07/15/2020
JOB NO. DGS 140724
SHEET TITLE

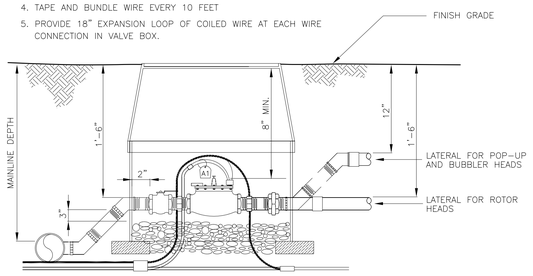
SHRUB PLANTING, SITE & IRRIGATION DETAILS

SHEET NO.
L4.1

SHEET 4 OF 6 TOTAL

ISSUE DATE: JULY 2023

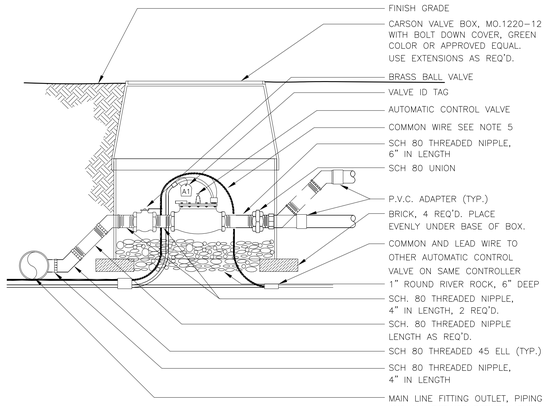
NOTES:
1. SET VALVE BOX LEVEL WITH FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP OF COILED WIRE AT EACH WIRE CONNECTION IN VALVE BOX.



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

POP-UP SPRAY HEADS:	30 PSI
INTERMEDIATE POP-UP ROTOR HEADS:	50 PSI
POP-UP ROTOR HEADS:	70 PSI
BUBBLER HEADS:	30 PSI

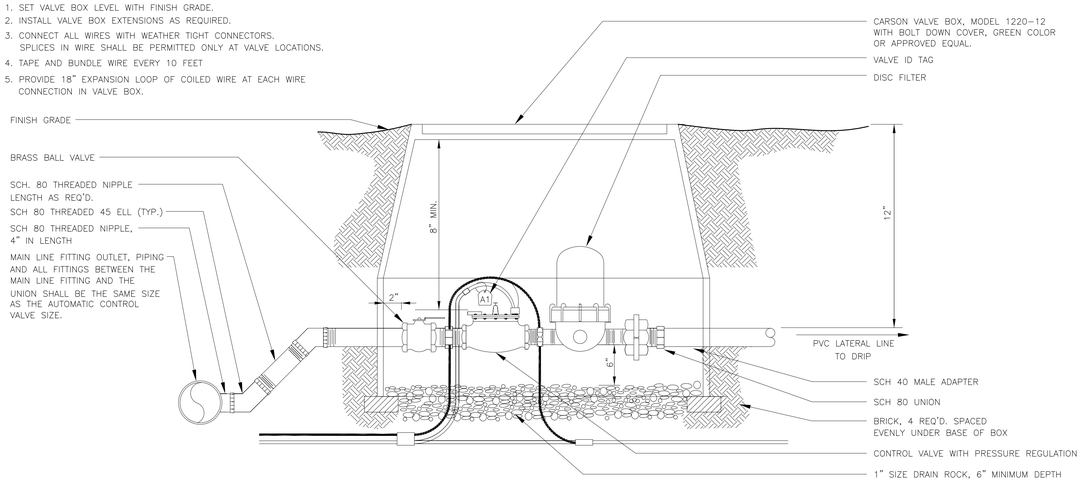
VALVE BOX, SETTINGS, AND CLEARANCES



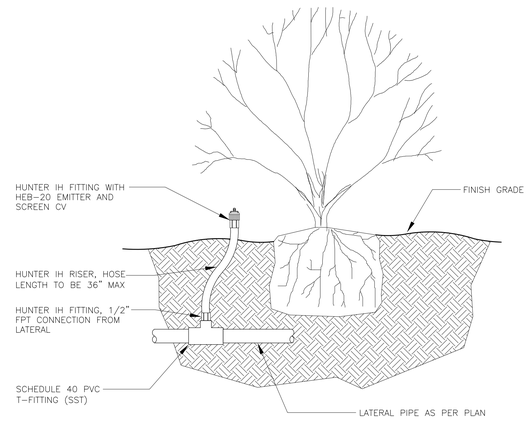
COMPONENTS INSTALLATION

1 AUTOMATIC CONTROL VALVE/BALL VALVE DETAIL

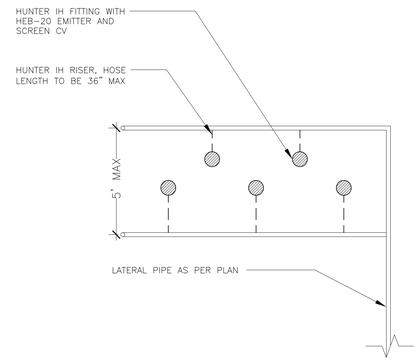
NOTES:
1. SET VALVE BOX LEVEL WITH FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP OF COILED WIRE AT EACH WIRE CONNECTION IN VALVE BOX.



2 PRESSURE REGULATOR DRIP IRRIGATION VALVE DETAIL



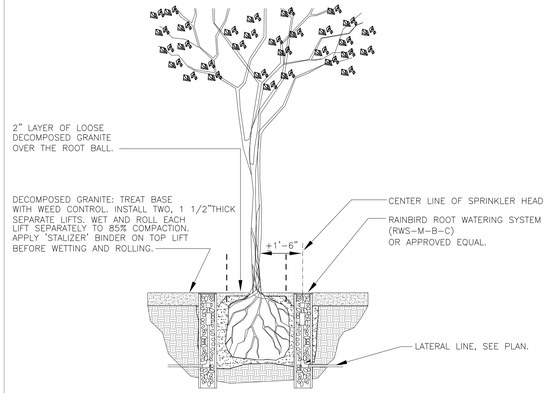
ELEVATION



PLAN

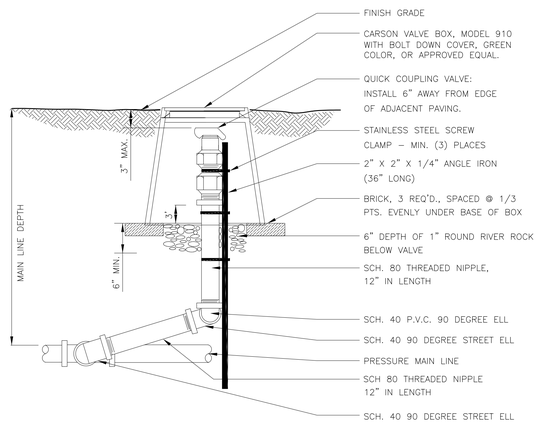
3 SHRUB BUBBLER DETAIL

NOTE:
1. BUBBLER IRRIGATION SYSTEM NOT APPLICABLE IN THIS PROJECT.



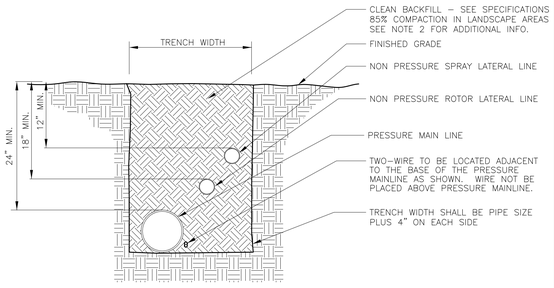
4 DECOMPOSED GRANITE PLANTING AND IRRIGATION DETAIL

NOTES:
1. INSTALL VALVE BOXES SO THAT THE TOP OF THE BOX IS FLUSH WITH THE TOP OF ADJACENT SURFACE.
2. USE TEFLON TAPE ON ALL THREADED CONNECTIONS.



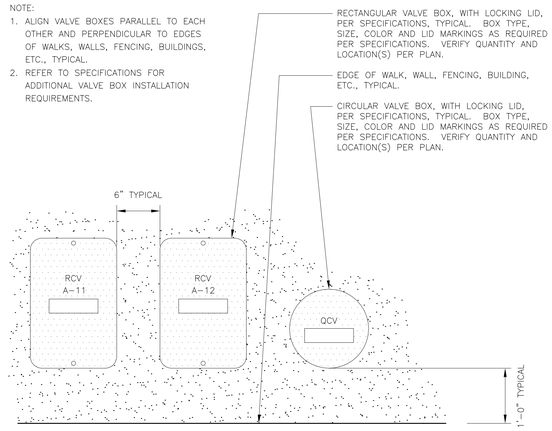
5 QUICK COUPLING VALVE DETAIL

NOTES:
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. WHEN TRENCHES ARE LOCATED UNDER PAVEMENT, COMPACTION RATE FOR THE BACKFILL SHALL COMPLY WITH THE COMPACTION RATES REQUIRED FOR THOSE PAVING SECTIONS.
3. PIPES TO HAVE A MINIMUM OF 6" HORIZONTAL SEPARATION WHEN PLACED IN THE SAME TRENCH ALONG WITH A MINIMUM OF 6" VERTICAL SEPARATION BETWEEN PIPES.

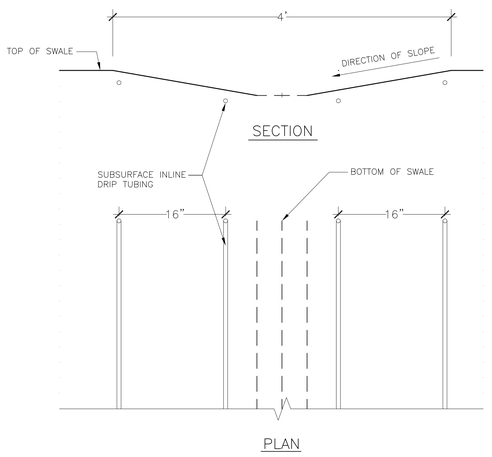


7 PIPE TRENCH DETAIL

NOTE:
1. ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.



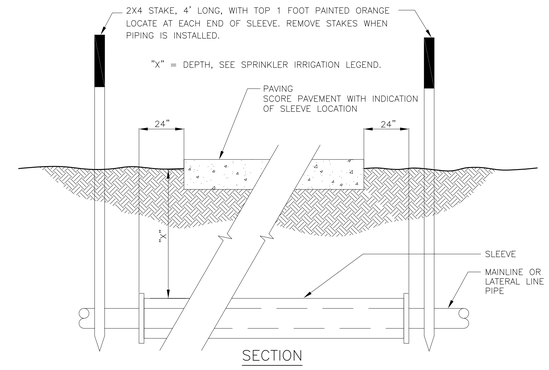
8 TYPICAL VALVE BOX LAYOUT



PLAN

9 BIOSWALE SUBSURFACE INLINE DRIP LAYOUT DETAIL

NOTES:
1. ALL PIPE AND FITTINGS TO BE SCHEDULE 40, P.V.C. SEE PLAN FOR LOCATION.
2. SLEEVES TO BE LARGE ENOUGH TO ACCEPT THE PIPE AND FITTINGS TO BE ENCASED.
3. PROVIDE A SEPARATE SLEEVE FOR EACH LATERAL OR MAIN CROSSING.
4. PROVIDE A SEPARATE SLEEVE FOR CONTROL WIRE
5. TAPE ALL ENDS WITH DUCT TAPE TO PREVENT ENTRY OF SOIL.



SECTION

10 SLEEVE DETAIL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA/SFM	7/15/20

DATE 07/15/2020
JOB NO. DGS 140724
SHEET TITLE

IRRIGATION DETAILS

SHEET NO.

L4.2

SHEET 5 OF 6 TOTAL

ISSUE DATE: JULY2023

IRRIGATION SCHEDULE TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	IRRIGATION TYPE	FLOW (GPM)	PRECIP. RATE (PR) INCH/HR	IRRIGATION EFFICIENCY (IE)	SOIL TYPE	ROOT DEPTH	SLOPE	EXPOSURE	MAINTENANCE PERIOD (X/Y Z GAL)																													
											JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMEBER			DECEMBER		
1	SHRUB-LOW	0.2	SUBSURFACE DRIP	1.8	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	45 GAL	16	1	127 GAL	19	2	304 GAL	18	3	418 GAL	12	5	474 GAL	13	5	512 GAL	10	6	456 GAL	14	3	323 GAL	27	1	215 GAL	10	1	80 GAL	2	1	19 GAL
2	SHRUB-LOW	0.2	SHRUB BUBBLERS	1.8	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	45 GAL	16	1	127 GAL	19	2	304 GAL	18	3	418 GAL	12	5	474 GAL	13	5	512 GAL	10	6	456 GAL	14	3	323 GAL	27	1	215 GAL	10	1	80 GAL	2	1	19 GAL
3	SHRUB-LOW	0.2	SUBSURFACE DRIP	3.4	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	86 GAL	16	1	239 GAL	19	2	573 GAL	18	3	790 GAL	12	5	896 GAL	13	5	966 GAL	10	6	860 GAL	14	3	610 GAL	27	1	406 GAL	10	1	150 GAL	2	1	37 GAL
4	SHRUB - LOW	0.2	SHRUB BUBBLERS	2.5	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	63 GAL	16	1	176 GAL	19	2	422 GAL	18	3	581 GAL	12	5	659 GAL	13	5	710 GAL	10	6	633 GAL	14	3	449 GAL	27	1	299 GAL	10	1	111 GAL	2	1	27 GAL
5	SHRUB - LOW	0.2	SHRUB BUBBLERS	1.9	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	48 GAL	16	1	134 GAL	19	2	320 GAL	18	3	442 GAL	12	5	501 GAL	13	5	540 GAL	10	6	481 GAL	14	3	341 GAL	27	1	227 GAL	10	1	84 GAL	2	1	21 GAL
6	TREE - MEDIUM	0.5	TREE BUBBLERS	0.5	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	14	1	32 GAL	40	1	88 GAL	48	2	211 GAL	44	3	291 GAL	30	5	329 GAL	32	5	355 GAL	24	6	316 GAL	34	3	224 GAL	68	1	149 GAL	25	1	55 GAL	6	1	14 GAL
7	SHRUB - LOW	0.2	SUBSURFACE DRIP	2.1	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	53 GAL	16	1	148 GAL	19	2	354 GAL	18	3	488 GAL	12	5	553 GAL	13	5	597 GAL	10	6	531 GAL	14	3	377 GAL	27	1	251 GAL	10	1	93 GAL	2	1	23 GAL
8	SHRUB - LOW	0.2	SUBSURFACE DRIP	2.1	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	53 GAL	16	1	148 GAL	19	2	354 GAL	18	3	488 GAL	12	5	553 GAL	13	5	597 GAL	10	6	531 GAL	14	3	377 GAL	27	1	251 GAL	10	1	93 GAL	2	1	23 GAL
9	SHRUB - LOW	0.2	SHRUB BUBBLERS	4.0	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	101 GAL	16	1	282 GAL	19	2	674 GAL	18	3	930 GAL	12	5	1,054 GAL	13	5	1,137 GAL	10	6	1,012 GAL	14	3	718 GAL	27	1	478 GAL	10	1	177 GAL	2	1	43 GAL
10	TREE - MEDIUM	0.5	TREE BUBBLERS	1.5	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	14	1	95 GAL	40	1	264 GAL	48	2	632 GAL	44	3	872 GAL	30	5	988 GAL	32	5	1,066 GAL	24	6	949 GAL	34	3	673 GAL	68	1	448 GAL	25	1	166 GAL	6	1	41 GAL
										MONTHLY RAINFALL DELANO		1.4			1.5			1.6			0.6			0.34			0.05			0			0.02			0.22			0.38			0.75			0.87		
										MONTHLY ET DELANO		1.2	JAN		2.2	FEB		3.7	MAR		5.7	APR		7.4	MAY		8.1	JUN		8.7	JUL		7.8	AUG		5.7	SEP		4.0	OCT		2.1	NOV		1.2	DEC
										MONTHLY TOTALS (GAL)			0 GAL			620 GAL			1,732 GAL			4,148 GAL			5,718 GAL			6,484 GAL			6,991 GAL			6,226 GAL			4,414 GAL			2,940 GAL			1,087 GAL			266 GAL

IRRIGATION HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQ.FT.)	PF x HA (SQ.FT.)	IRRIGATION EFFICIENCY (IE)	ETWU (GALLONS)
1	SHRUB-LOW	0.2	586	117.2	0.81	5,194
2	SHRUB-LOW	0.2	3,455	691.0	0.81	30,624
3	SHRUB-LOW	0.2	581	116.2	0.81	5,150
4	SHRUB - LOW	0.2	2,212	442.4	0.81	19,607
5	SHRUB - LOW	0.2	1,176	235.2	0.81	10,424
6	TREE - MEDIUM	0.5	40	20.0	0.81	886
7	SHRUB - LOW	0.2	726	145.2	0.81	6,435
8	SHRUB - LOW	0.2	720	144.0	0.81	6,382
9	SHRUB - LOW	0.2	3,638	727.6	0.81	32,246
10	TREE - MEDIUM	0.5	120	60.0	0.81	2,659
		TOTAL AREA	13,254		ETWU TOTAL	119,607
Eto Delano	57.9					
ESTIMATED TOTAL WATER USAGE (ETWU) = (ETo)(0.62)(PF)(HA)/IE = GAL/YEAR						
MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = (ETo)(0.62)(0.45 x LA) = GAL/YEAR						
					MAWA TOTAL	214,106

ETO verified 11/14/18 via table 2-1, climate data, in the City of Delano 2010 Urban Water Management Plan. BW

LANDSCAPE HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	IRRIGATION TYPE	HYDROZONE AREA (HA) (SQ.FT.)	% OF TOTAL LANDSCAPE AREA
1	SHRUB-LOW	SUBSURFACE DRIP	586	4.4%
2	SHRUB-LOW	SHRUB BUBBLERS	3,455	26.1%
3	SHRUB-LOW	SUBSURFACE DRIP	581	4.4%
4	SHRUB - LOW	SHRUB BUBBLERS	2,212	16.7%
5	SHRUB - LOW	SHRUB BUBBLERS	1,176	8.9%
6	TREE - MEDIUM	TREE BUBBLERS	40	0.3%
7	SHRUB - LOW	SUBSURFACE DRIP	726	5.5%
8	SHRUB - LOW	SUBSURFACE DRIP	720	5.4%
9	SHRUB - LOW	SHRUB BUBBLERS	3,638	27.4%
10	TREE - MEDIUM	TREE BUBBLERS	120	0.9%
		TOTAL AREA	13,254	100.0%

STREET IRRIGATION SCHEDULE TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	IRRIGATION TYPE	FLOW (GPM)	PRECIP. RATE (PR) INCH/HR	IRRIGATION EFFICIENCY (IE)	SOIL TYPE	ROOT DEPTH	SLOPE	EXPOSURE	MAINTENANCE PERIOD (X/Y Z GAL)																													
											JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMEBER			DECEMBER		
B1	TREE - MEDIUM	0.2	TREE BUBBLERS	4.0	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	101 GAL	16	1	282 GAL	19	2	674 GAL	18	3	930 GAL	12	5	1,054 GAL	13	5	1,137 GAL	10	6	1,012 GAL	14	3	718 GAL	27	1	478 GAL	10	1	177 GAL	2	1	43 GAL
B2	SHRUB - LOW	0.2	SHRUB BUBBLERS	1.9	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0	1	0 GAL	6	1	48 GAL	16	1	134 GAL	19	2	320 GAL	18	3	442 GAL	12	5	501 GAL	13	5	540 GAL	10	6	481 GAL	14	3	341 GAL	27	1	227 GAL	10	1	84 GAL	2	1	21 GAL
										MONTHLY RAINFALL DELANO		1.4			1.5			1.6			0.6			0.34			0.05			0			0.02			0.22			0.38			0.75			0.87		
										MONTHLY ET DELANO		1.2	JAN		2.2	FEB		3.7	MAR		5.7	APR		7.4	MAY		8.1	JUN		8.7	JUL		7.8	AUG		5.7	SEP		4.0	OCT		2.1	NOV		1.2	DEC
										MONTHLY TOTALS (GAL)			0 GAL			149 GAL			415 GAL			995 GAL			1,372 GAL			1,555 GAL			1,677 GAL			1,493 GAL			1,059 GAL			705 GAL			261 GAL			64 GAL

STREET IRRIGATION HYDROZONE INFORMATION TABLE

	PLANT WATER USE TYPE	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQ.FT.)	PF x HA (SQ.FT.)	IRRIGATION EFFICIENCY (IE)	ETWU (GALLONS)
B1	TREE - MEDIUM	0.2	160	32.0	0.81	1,418
B2	SHRUB - LOW	0.2	643	128.6	0.81	5,699
		TOTAL AREA	803		ETWU TOTAL	7,118
Eto Delano	57.9					
ESTIMATED TOTAL WATER USAGE (ETWU) = (ETo)(0.62)(PF)(HA)/IE = GAL/YEAR						
MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = (ETo)(0.62)(0.45 x LA) = GAL/YEAR						
					MAWA TOTAL	12,972

STREET LANDSCAPE HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	IRRIGATION TYPE	HYDROZONE AREA (HA) (SQ.FT.)	% OF TOTAL LANDSCAPE AREA
B1	TREE - MEDIUM	TREE BUBBLERS	160	1.2%
B2	SHRUB-LOW	SHRUB BUBBLERS	643	4.8%
		TOTAL AREA	803	6.0%

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA/SFM	7/15/20

DATE 07/15/2020
JOB NO. DGS 140724
SHEET TITLE

LANDSCAPE IRRIGATION CALCULATIONS

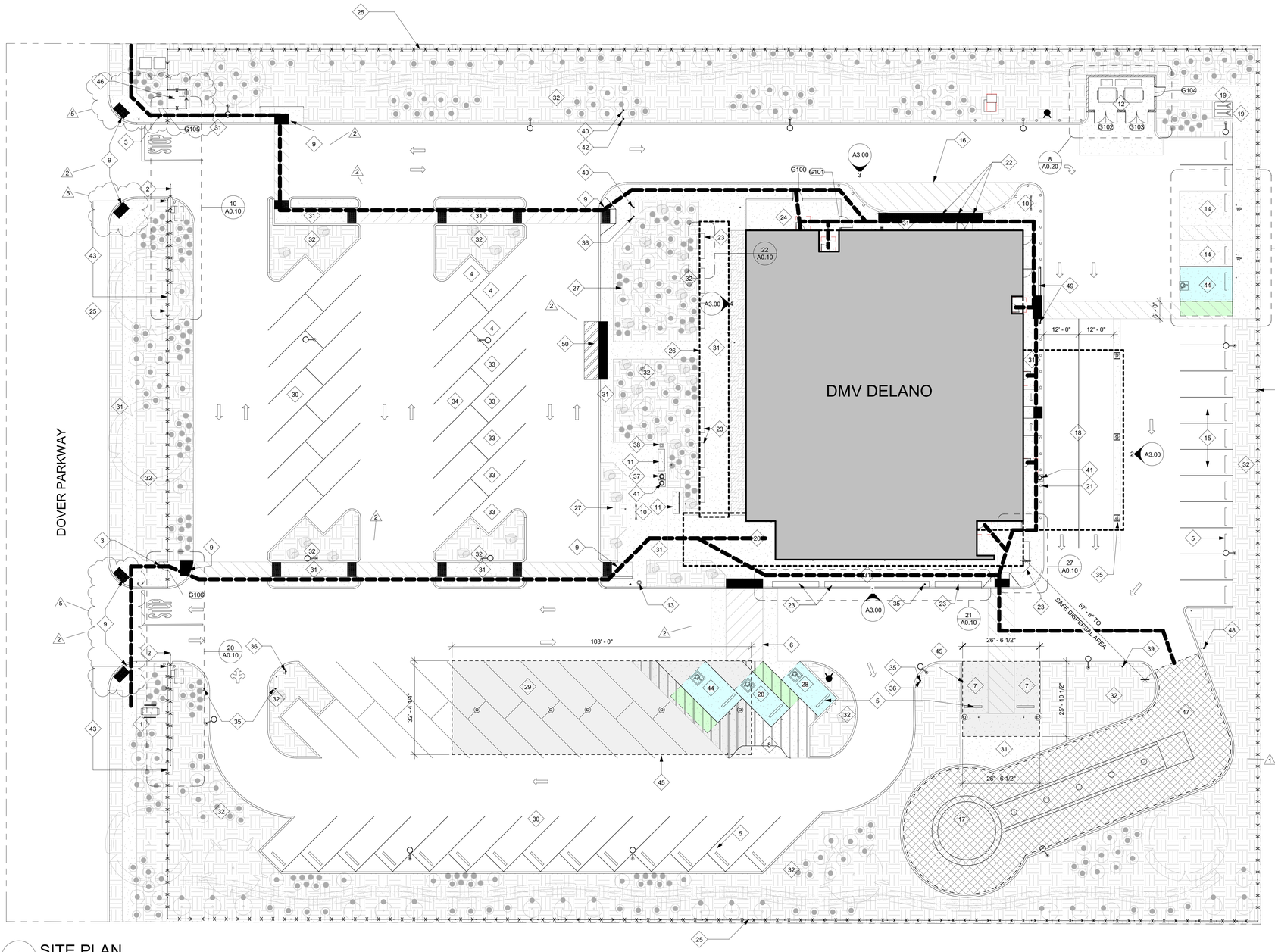
SHEET NO.

L5.1

SHEET 6 OF 6 TOTAL

ISSUE DATE: JUL V4 2023

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 1/16 1/8 1/4 1/2 1 2 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 1/8 1/4 1/2 1 2 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 1/4 1/2 1 2 4 8
ONE-HALF INCH = ONE FOOT 0 1/2 1 2 4
THREE-QUARTERS INCH = ONE FOOT 0 3/4 1 2
ONE INCH = ONE FOOT 0 1 2
ONE AND ONE-HALF INCH = ONE FOOT 0 1 1 1/2



1 SITE PLAN
1/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. DMV MONUMENT SIGN. SEE A12 SERIES FOR SIGNAGE INFORMATION.
2. CANTILEVERED MOTORIZED VEHICULAR GATE. SEE SHEET A0.10 FOR ENLARGED GATE PLANS.
3. 3'-0" SWINGING PEDESTRIAN GATE. SEE SHEET A0.10 FOR ENLARGED GATE PLANS AND SEE GATE SCHEDULE ON A0.30.
4. FUTURE EV CHARGING STATION SPACE WITH WIRING IN GROUND BOX, MARKINGS AND SIGNAGE. FUTURE SIGNAGE SHALL STATE "CLEAN AIR/ VANPOOL/ EV". SEE A12 SERIES FOR SIGNAGE INFORMATION.
5. CONCRETE WHEEL STOP, TYP.
6. TRAFFIC TABLE, SEE CIVIL DRAWINGS.
7. END OF TEST DRIVE PARKING STALL WITH MARKINGS AND SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION.
8. MOTORCYCLE PARKING WITH SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION.
9. (N) CURB RAMP. SEE CIVIL DRAWINGS.
10. BIKE RACK. SEE DETAIL 27 / A0.20 AND SPECIFICATION SECTION 12 93 00.
11. CONCRETE BENCH. SEE SPECIFICATION SECTION 12 93 00.
12. WASTE/RECYCLING ENCLOSURE WITH GATES. SEE SHEET A0.20. ONE 3-YARD RECYCLING BIN, ONE 3-YARD TRASH BIN, ONE 1-YARD ORGANIC WASTE, ONE 1-YARD ELECTRONIC WASTE, AND ONE 1-YARD BATTERY WASTE. ALL BINS PROVIDED WITH LIDS PROVIDED BY WASTE HAULING COMPANY.
13. 30 FOOT HIGH FLAG POLE IN CONCTETE FOUNDATION. SEE DETAIL 5/A0.30 AND SPECIFICATION SECTION 10 75 16.
14. EV CHARGING STATION SPACE WITH EQUIPMENT, MARKINGS AND SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION.
15. 9' - 0" X 18' - 0" UNMARKED STAFF PARKING. 13 STANDARD SPOTS, 1 VAN ACCESSIBLE STAFF PARKING SPOT.
16. LOADING/UNLOADING AREA FOR LARGE DELIVERY TRUCKS. SEE C4.02 FOR GRADING IN THIS AREA.
17. MOTORCYCLE TESTING AREA WITH MARKINGS AND SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION.
18. TEST DRIVE LANE WITH MARKINGS AND SIGNAGE (RIGHT LANE) AND VERIFICATION LANE WITH MARKINGS AND SIGNAGE (LEFT LANE). SEE A12 SERIES FOR SIGNAGE INFORMATION.
19. BICYCLE LOCKERS, (2) REQUIRED; CONTRACTOR FURNISHED, CONTRACTOR INSTALLED, ON CONCRETE SLAB SIZED PER MANUF. SPEC, 12 93 13
20. PUBLIC ENTRY.
21. BOLLARDS AT 5' - 6" MAX. O.C., TYP. SEE 1/C5.02.
22. REMOVABLE BOLLARD AT 5' - 6" MAX. O.C., TYP. SEE 2/C5.02.
23. 18 IN HIGH CMU SEAT WALL WITH CONCRETE CAP. SEE DETAIL 1/A0.30. WHERE SEAT WALL IS CONTINUOUS, PROVIDE SKATEBOARDING DETERRENTS EVERY 8FT MIN.
24. STAFF BREAKROOM PATIO. SEE A10.00 FOR CFCI FURNISHINGS.
25. 7 FOOT HIGH ORNAMENTAL IRON FENCE. SEE 7/A0.30 FOR ELEVATION AND FOOTING INFORMATION.
26. COVERED VISITOR WAITING CANOPY (NOT ATTACHED TO MAIN BUILDING). SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
27. BOULDERS TYP. SEE LANDSCAPE DRAWINGS.
28. 9' - 0" X 18' - 0" ACCESSIBLE PARKING STALL WITH MARKINGS AND SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION. SEE CIVIL PLANS FOR GRADES/SLOPES.
29. 20 COVERED STANDARD 9' - 0" X 18' - 0" VISITOR PARKING STALLS AND 1 COVERED MOTORCYCLE STALL.
30. 14 STANDARD 9' - 0" X 18' - 0" VISITOR PARKING STALLS.
31. CONCRETE WALK/PLAZA, SEE CIVIL DRAWINGS.
32. PLANTING AREA. SEE LANDSCAPE DRAWINGS.
33. LOW EMITTING VEHICLE PARKING STALL WITH MARKINGS AND SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION.
34. 6 STANDARD 9' - 0" X 18' - 0" VISITOR PARKING STALLS.
35. DO NOT ENTER SIGN. SEE A12 SERIES FOR SIGNAGE INFORMATION.
36. PARKING SIGN WITH ARROW POINTING IN THE DIRECTION OF MORE PARKING. SEE A12 SERIES FOR SIGNAGE INFORMATION.
37. CONCRETE RECYCLE RECEPTACLE. SEE SPECIFICATION SECTION 12 93 00.
38. CONCRETE ASH RECEPTACLE. SEE SPECIFICATION SECTION 12 93 00.
39. MOTORCYCLE TESTING AREA SIGN WITH DIRECTIONAL ARROW. SEE A12 SERIES FOR SIGNAGE INFORMATION.
40. ONE WAY SIGN. SEE A12 SERIES FOR SIGNAGE INFORMATION.
41. CONCRETE TRASH RECEPTACLE. SEE SPECIFICATION SECTION 12 93 00.
42. TEST DRIVE THIS WAY SIGN. SEE A12 SERIES FOR SIGNAGE INFORMATION.
43. INSTALL FULL-HEIGHT STEEL PERFORATED PANEL ON INTERIOR SIDE OF FENCE THE FULL WIDTH OF CANTILEVER SLIDE GATE TO PREVENT PINCHING/TRAPPING HAZARD 32 31 19.53
44. 12' - 0" X 18' - 0" VAN ACCESSIBLE PARKING STALL WITH MARKINGS AND SIGNAGE. SEE A12 SERIES FOR SIGNAGE INFORMATION. SEE CIVIL PLANS FOR GRADES/SLOPES.
45. PHOTOTVOLTAIC PANEL CANOPY. SEE ELECTRICAL PLANS.
46. GAS METER ON CONCRETE PAD. SEE MECHANICAL PLANS. VERIFY SLAB DIMENSIONS IN FIELD TO PROVIDE CLEARANCES PER LOCAL GAS SUPPLIER SPEC.
47. 4000 S.F. SAFE DISPERSAL AREA
48. "SAFE DISPERSAL AREA" SIGN
49. EMPLOYEE ENTRANCE SCREEN WALL (OPEN TO ABOVE)
50. PASSENGER DROP-OFF

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. REFER TO CIVIL DRAWINGS FOR UTILITIES AND GRADING INFORMATION.
2. REFER TO LANDSCAPE DRAWINGS FOR PLANTING AND IRRIGATION INFORMATION.
3. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
4. FOR GATE SCHEDULE, SEE SHEET A0.10.
5. APPLY GRAFFITI-RESISTANT COATING TO ALL EXTERIOR EXPOSED CMU AND CALCIUM SILICATE MASONRY UNITS (CSMU). SEE SPEC SECTION 09 96 23.

CALGREEN NOTES:

1. PROVIDE (2) BIKE RACKS FOR (2) BIKES EACH BASED ON .05 X 80 PARKING SPACES = 4 (4 BIKES MINIMUM) AND CALGREEN 5.106.4.11.
2. PROVIDE (2) BIKE LOCKERS FOR (2) BIKES EACH BASED ON .05 X 80 = 4 (4 BIKES MINIMUM) AND CALGREEN 5.106.4.1.5 ITEM 3.
3. PROVIDE (8) CLEAN AIR PARKING SPACES BASED ON CALGREEN TABLE 5.106.5.2, 80 TOTAL SPACES ON SITE = 8 CLEAN AIR SPACES. EV READY SPOTS COUNT AS DESIGNATED PARKING.
   - A. 5 LOW EMITTING VEHICLE PARKING LABELED AS "LOW EMITTING/GREEN VEHICLE/CLEAN AIR"
   - B. 3 EV READY SPOTS LABELED AS "CLEAN AIR/VANPOOL/EV"
1. PROVIDE (5) EV CHARGING OR EV READY SPACES BASED ON CALGREEN TABLE 5.106.5.33. TOTAL PARKING HAS 80 SPACES, REQUIRING (5) CHARGE SPACES, INCLUDING (1) VAN ACCESSIBLE PER CBC.
   - A. 3 EV CHARGING SPACES ARE FUTURE SPACES LABELED AS CLEAN AIR/VANPOOL/EV.

LEGEND:

- DROUGHT TOLERANT, EASILY MAINTAINED LANDSCAPING, SEE LANDSCAPE DRAWINGS.
- ASPHALT DRIVE, SEE CIVIL DRAWINGS.
- CONCRETE WALK OR PLAZA, SEE CIVIL DRAWINGS FOR SLOPES
- COVERED PARKING CANOPY WITH SOLAR PANELS. SEE DEFERRED APPROVAL SUBMITTAL.
- DESIGNATED SAFE DISPERSAL AREA
- ACCESSIBLE PARKING SPACE AND ADJACENT LOADING AREA CLEARANCE (FOR REFERENCE ONLY)
- BUILDING FOOTPRINT
- EXITING PATH OF TRAVEL
- ROOF/CANOPY OVERHANG
- PROPERTY LINE, SEE CIVIL DRAWINGS
- LARGE BOULDERS OF VARYING SIZE, SEE LANDSCAPE DRAWINGS.
- BOLLARD.

IDENTIFICATION STAMP
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APP: 03-120743 INC:
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AGENCY APPROVAL

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12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT
No. C-27624
Dec 31, 2021

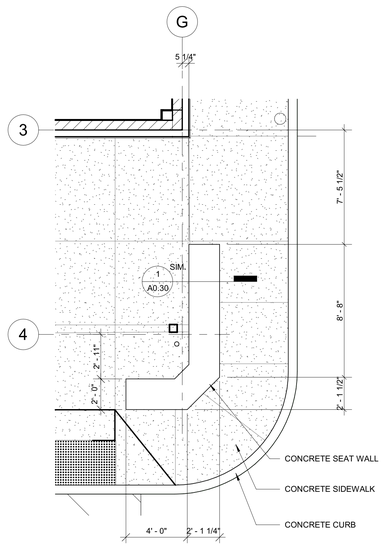
AGENCY SUBMITTAL

REVISIONS

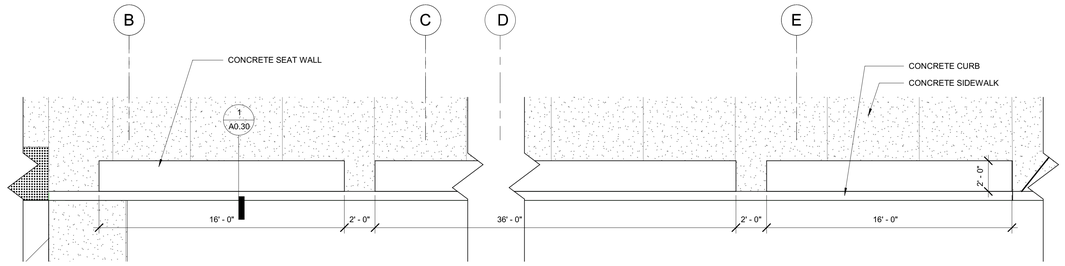
NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20
2	DSA PLAN CHECK	7/15/20
5	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
SITE PLAN
SHEET NO.
A0.00

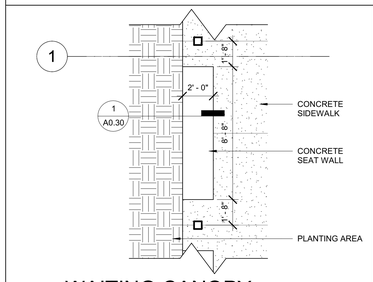
ISSUE DATE: JULY 2023 V4



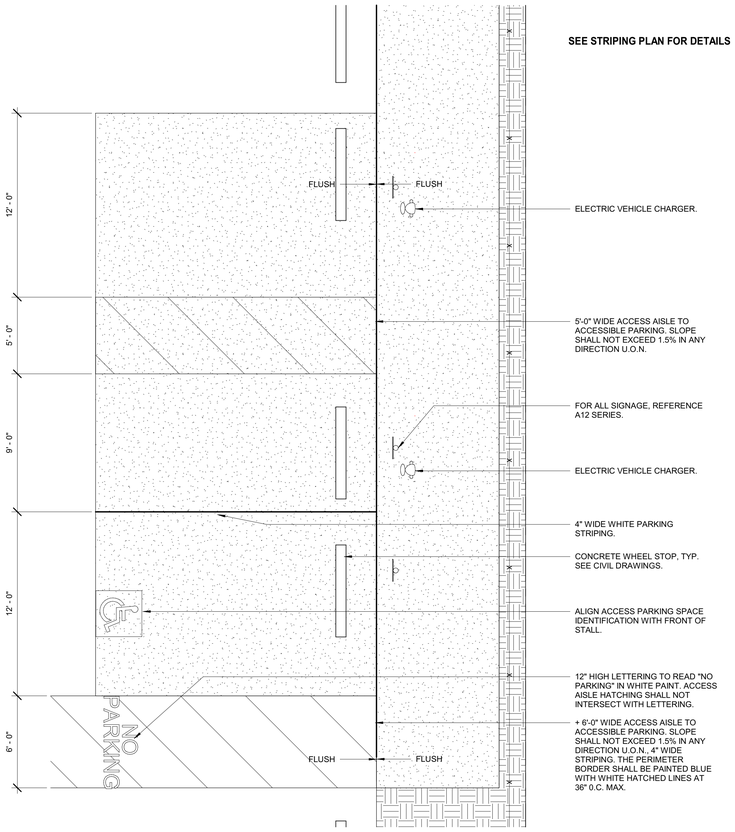
27 CMU SEAT WALL/BARRIER
1/4" = 1'-0"



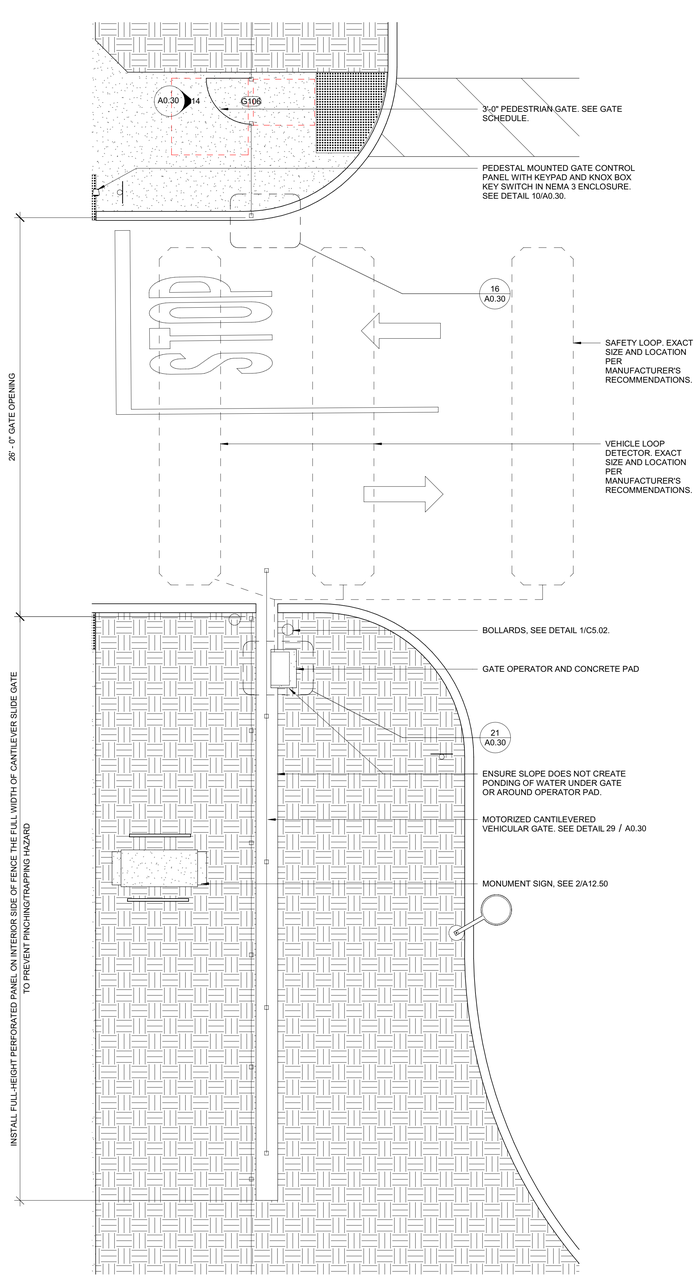
21 SOUTH CMU SEAT WALL/BARRIER
1/4" = 1'-0"



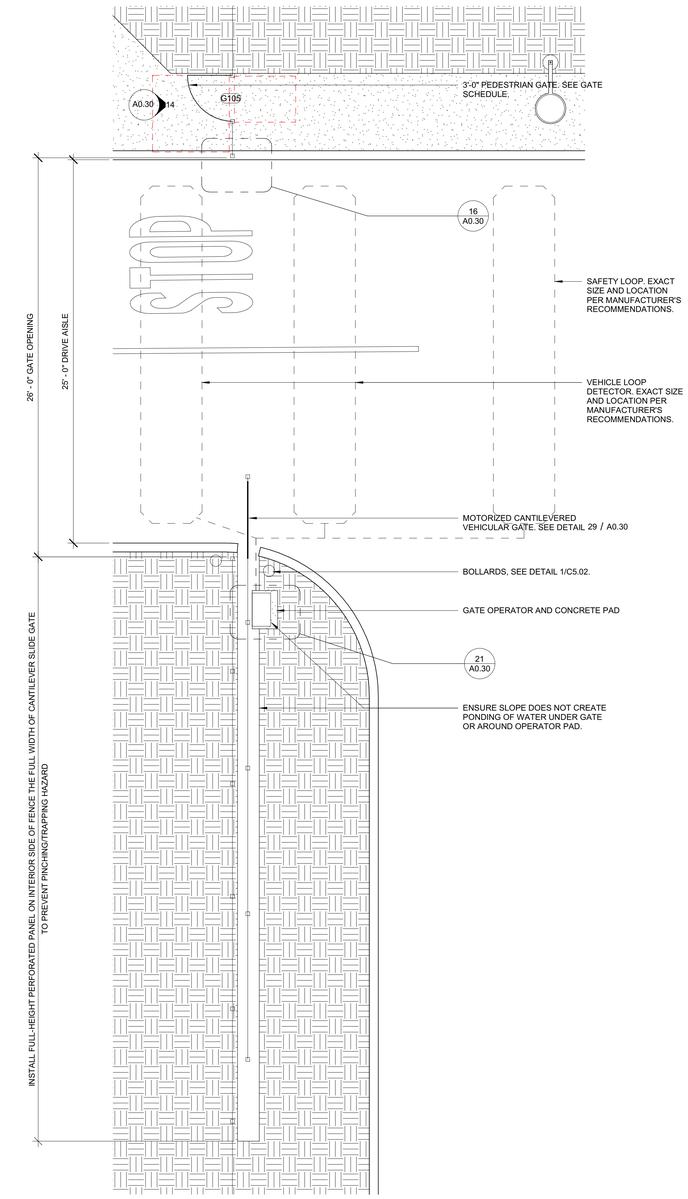
22 WAITING CANOPY SEAT WALL (TYP.)
1/4" = 1'-0"



30 ELECTRIC VEHICLE CHARGING STATIONS
1/4" = 1'-0"



20 SOUTH VEHICULAR GATE AND PEDESTRIAL GATE
1/4" = 1'-0"



10 NORTH VEHICULAR GATE AND PEDESTRIAL GATE
1/4" = 1'-0"

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No. C-27624
Dec 31, 2021

ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
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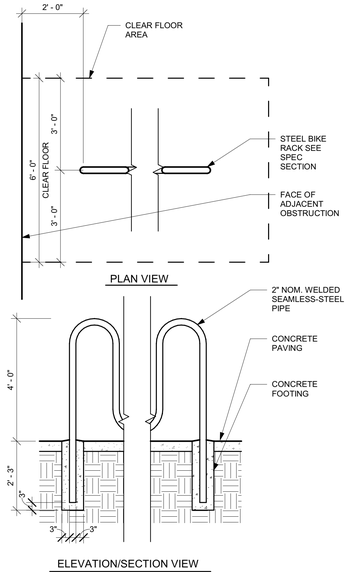
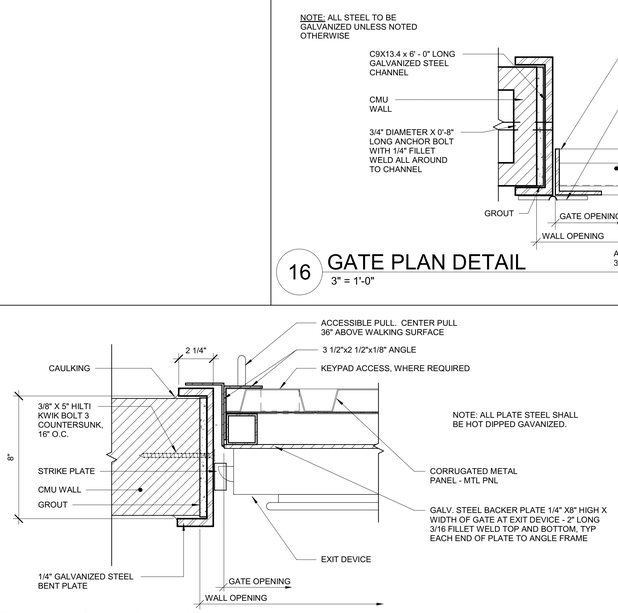
ENLARGED SITE PLANS
SHEET NO.
A0.10

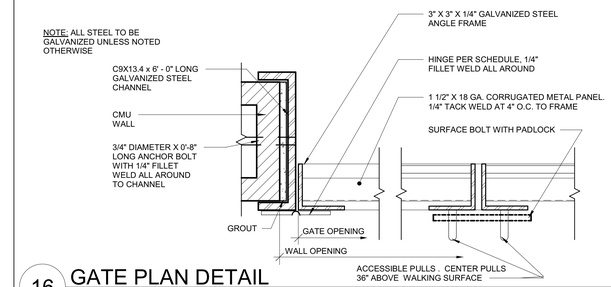
ISSUE DATE: JULY , 2020
V3



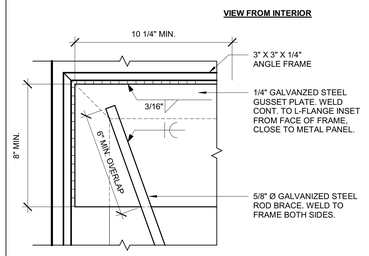
27 BIKE RACK DETAIL
1/2" = 1'-0"



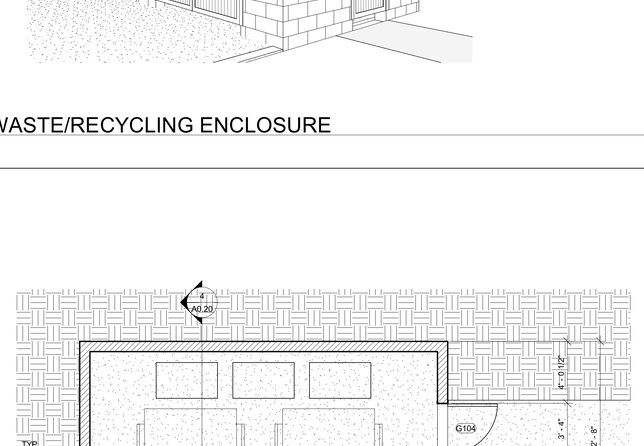
22 GATE WITH PANIC HARDWARE
3" = 1'-0"



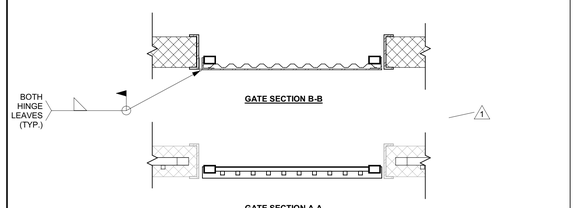
16 GATE PLAN DETAIL
3" = 1'-0"

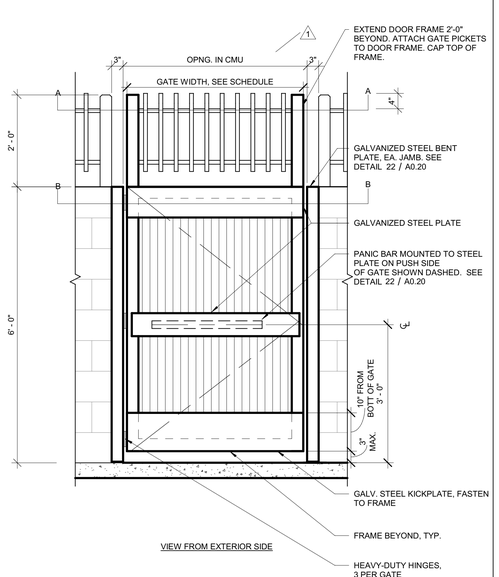


12 GATE BRACING
3" = 1'-0"

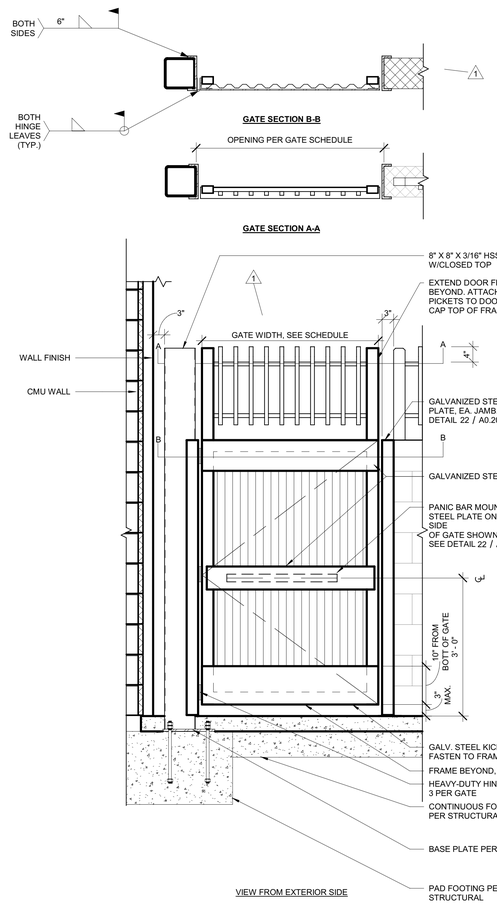


6 WASTE/RECYCLING ENCLOSURE

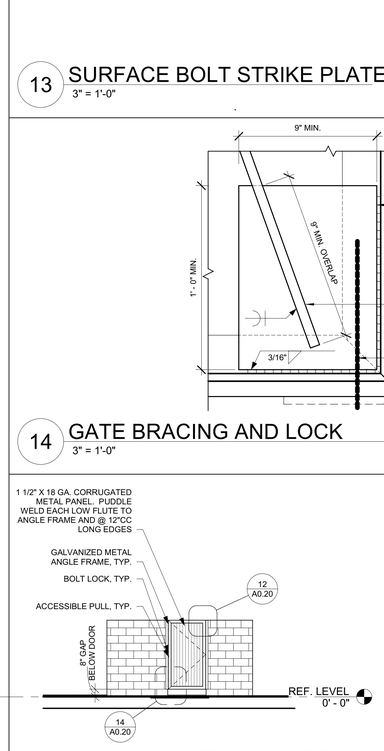




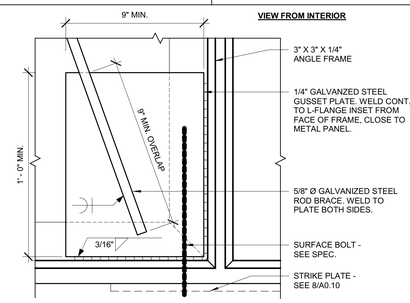
30 NORTH EMPLOYEE PATIO GATE ELEV.
3/4" = 1'-0"



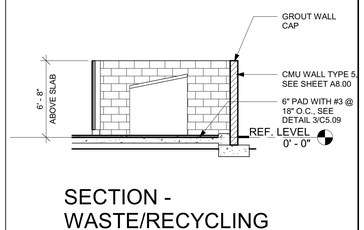
25 EAST EMPLOYEE PATIO GATE ELEV.
3/4" = 1'-0"



13 SURFACE BOLT STRIKE PLATE
3" = 1'-0"

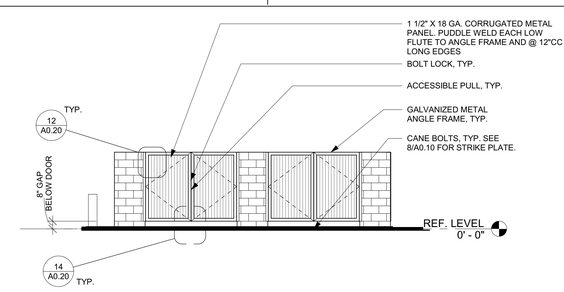


14 GATE BRACING AND LOCK
3" = 1'-0"



4 SECTION - WASTE/RECYCLING ENCLOSURE
3/16" = 1'-0"

15 EAST ELEVATION - WASTE/ RECYCLING ENCLOSURE
3/16" = 1'-0"



10 SOUTH ELEVATION - WASTE/RECYCLING ENCLOSURE
3/16" = 1'-0"

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ARCHITECT
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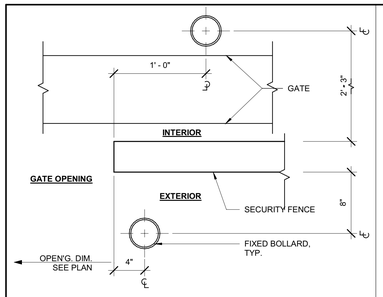
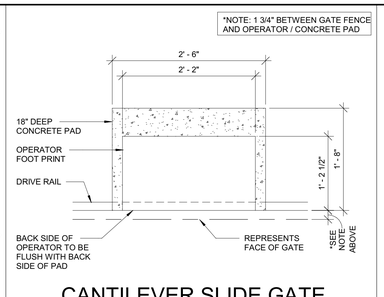
JOB NO. DGS 140724
SHEET TITLE
SITE DETAILS
SHEET NO.
A0.20

ISSUE DATE: JULY 2020
V3

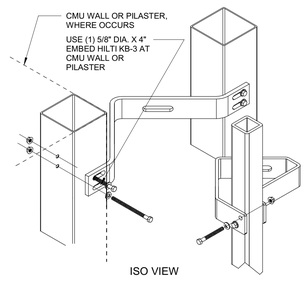
ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



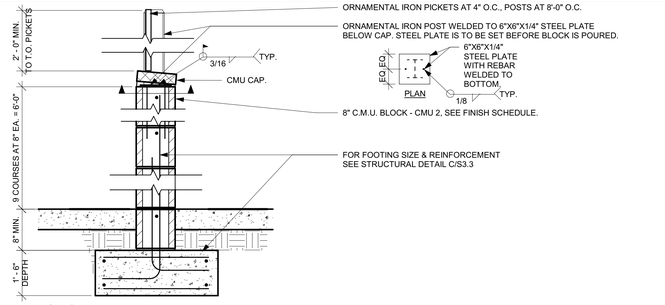
26 JAMB AT CANTELEVER GATE
1 1/2" = 1'-0"



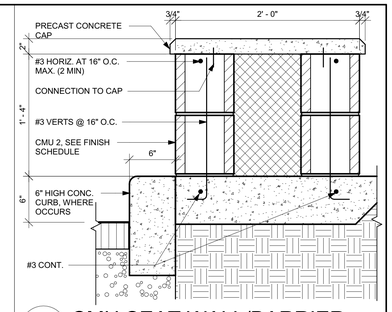
21 CANTILEVER SLIDE GATE OPERATOR & CONCRETE PAD
1" = 1'-0"



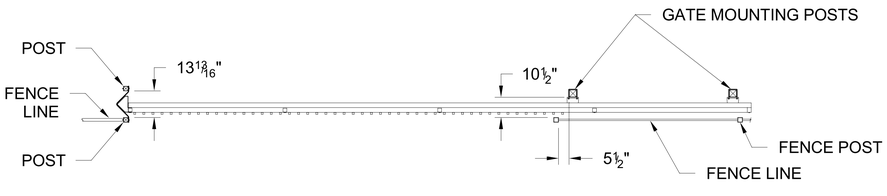
16 CANTILEVER SLIDE GATE DETAIL
3" = 1'-0"

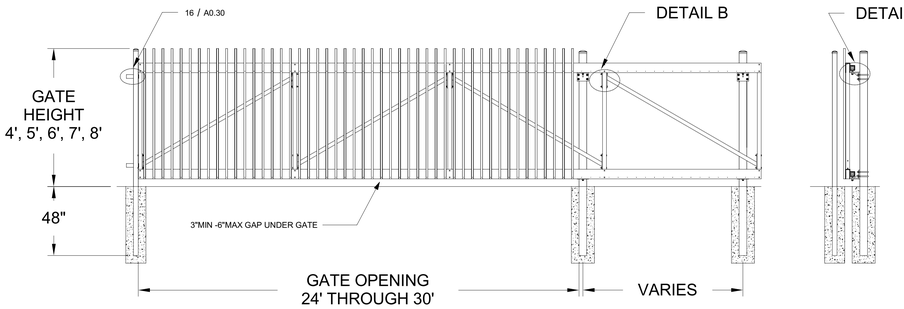


11 PATIO SITE WALL
1" = 1'-0"

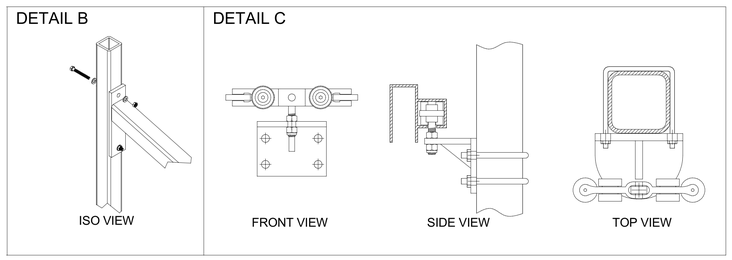


1 CMU SEAT WALL/BARRIER
1 1/2" = 1'-0"





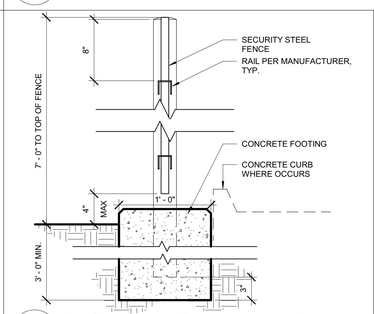
Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.



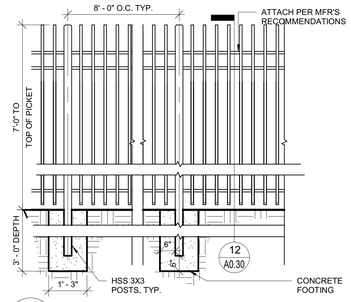
29 CANTILEVER GATE
3/8" = 1'-0"

OPENING NUMBER	LOCATION	NOMINAL DOOR SIZE (W X H) INSIDE OF DOOR FRAME	DOOR		FRAME		DOOR MONITORED FROM (REF. ELECT. SECURITY)	DETAILS (REF. A0.20)			HARDWARE GROUP	Closer	SPECIAL REQUIREMENTS
			MAT.	DOOR FINISH	MAT.	FRAME FINISH		HEAD	JAMB	SILL			
G100	STAFF PATIO	3'-0" X 6'-0"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-	14/A0.20	--	23	YES	ROUGH OPENING IN CMU WALL SHALL BE 3'-4"
G101	STAFF PATIO	3'-8" X 6'-0"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-	14/A0.20	--	23	YES	ROUGH OPENING IN CMU WALL SHALL BE 4'-0"
G102	TRASH ENCLOSURE	PR. 3'-10" X 6'-0"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-	12/A0.20	7/A0.20	24		ROUGH OPENING IN CMU WALL SHALL BE 8'-0"
G103	TRASH ENCLOSURE	PR. 3'-10" X 6'-0"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-	12/A0.20	7/A0.20	24		ROUGH OPENING IN CMU WALL SHALL BE 8'-0"
G104	TRASH ENCLOSURE	3'-0" X 6'-0"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-	14/A0.20 SIM.		25		ROUGH OPENING IN CMU WALL SHALL BE 3'-4"
G105	NORTH PEDESTRIAN GATE	3'-0" X 6'-6"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-			26		
G106	SOUTH PEDESTRIAN GATE	3'-0" X 6'-6"	Corrugated Metal Panel	EXT P1	STL	EXT P1		-			26		

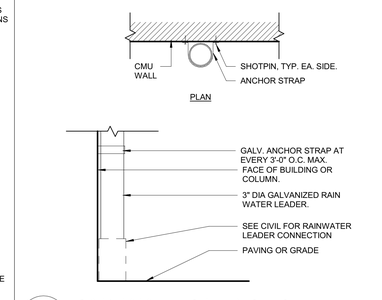
NOTE: SEE SHEET A12.00 FOR LOCATIONS AND TYPES OF SIGNAGE



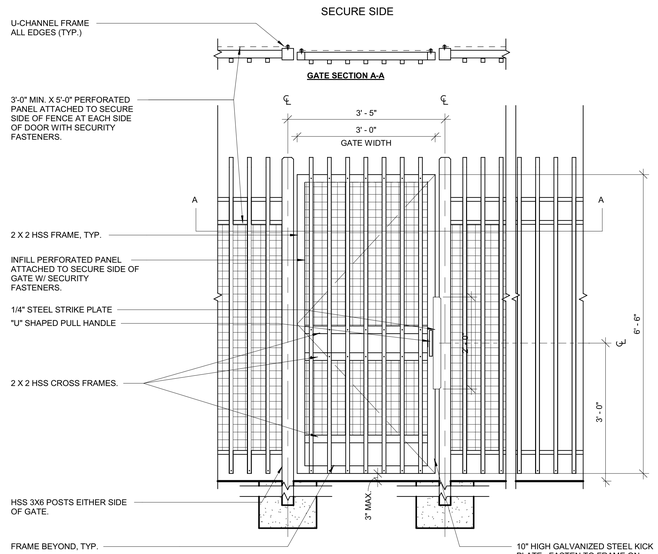
12 SECURITY STEEL FENCE
1 1/2" = 1'-0"



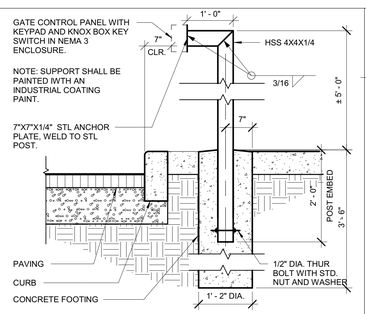
7 STEEL FENCE ELEVATION
1/2" = 1'-0"



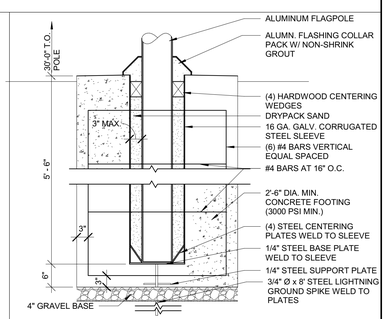
2 RAINWATER LEADER
1 1/2" = 1'-0"



14 STEEL PEDESTRIAN GATE
3/4" = 1'-0"



10 VEHICLE CARD READER
3/4" = 1'-0"



5 FLAGPOLE BASE
3/4" = 1'-0"

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AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
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Sacramento, CA 95811
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No. C-27624 Dec 31, 2021
ARCHITECT

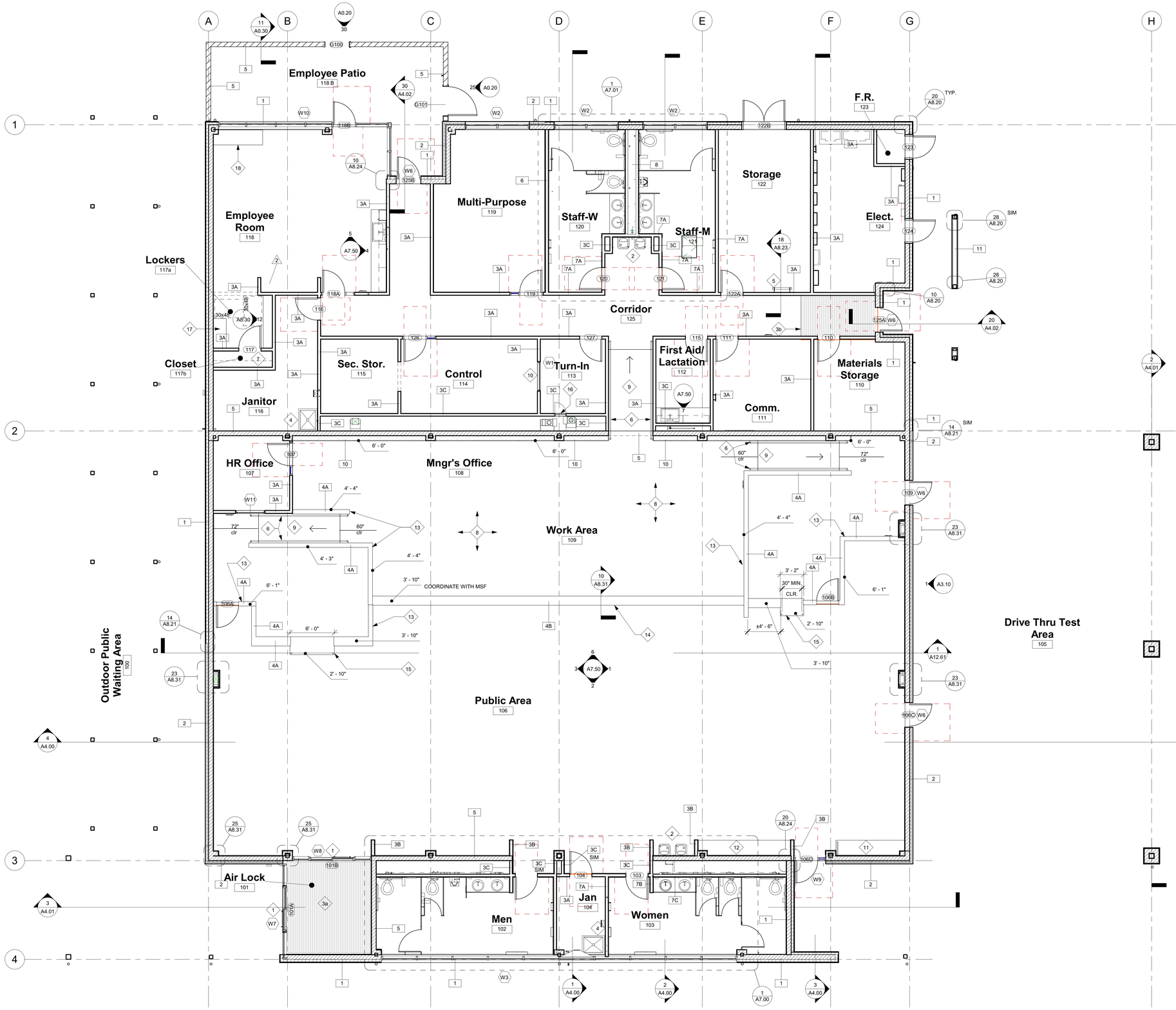
AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
SITE DETAILS & GATE SCHEDULE
SHEET NO.
A0.30

ISSUE DATE: JULY , 2019 V3



1 FLOOR PLAN
3/16" = 1'-0"

N

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. AUTOMATIC SLIDING ENTRY DOORS, SEE DOOR SCHEDULE ON A6.00.
2. HIGH LOW DRINKING FOUNTAIN. SEE ENLARGED PLAN ON SHEETS A7.00 AND A7.01 AND PLUMBING DRAWINGS.
3a. 10 FT X 10 FT ENTRANCE FLOOR MAT, SEE SPEC SECTION 12 48 16.
3b. 5 FT 6 IN X 10 FT ENTRANCE FLOOR MAT, SEE SPEC SECTION 12 48 16.
4. MOP SINK, SEE PLUMBING DRAWINGS.
5. ROOF ACCESS LADDER. SEE DETAIL 18/A8.23.
6. WALL MOUNTED HANDRAIL. SEE DETAIL 13/A8.31. PROVIDE BACKING PER DETAIL 5/A8.30.
7. SHELF AND ROD, SEE.....
8. COMPUTER ACCESS FLOOR, SEE DETAIL 27 / A8.30
9. COMPUTER ACCESS FLOOR RAMP, SEE DETAIL 28 / A8.30
10. PASS THRU WINDOW WITH SOLID SURFACE COUNTERTOP. SEE ....
11. ACCESSIBLE WRITING COUNTERTOP. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE. SEE ELECTRICAL DRAWINGS FOR POWER LOCATIONS.
12. WRITING COUNTERTOP. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE. SEE ELECTRICAL DRAWINGS FOR POWER LOCATIONS.
13. 8" SOLID SURFACE WALL CAP, SOSU-1. SEE DETAIL 20A/A8.31 AND FINISH PLAN AND SCHEDULE ON A11 SERIES.
14. 15" DEEP SOLID SURFACE PONY WALL COUNTER, SOSU-1. SEE DETAIL 20B/A8.31 AND FINISH PLAN AND SCHEDULE ON A11 SERIES.
15. 29" DEEP SOLID SURFACE ACCESSIBLE PONY WALL COUNTER, SOSU-1. SEE DETAIL 20C/A8.31 AND FINISH PLAN AND SCHEDULE ON A11 SERIES.
16. 16" x 16" ACCESS DOOR; BOTTOM OF DOOR: 6'-6" A.F.F., COORDINATE HEIGHT AND LOCATION WITH HVAC INSTALLER TO PROVIDE ACCESS TO HVAC CONTROLS.
17. ACCESSIBLE CHANGING BENCH. SEE EQUIPMENT PLAN SHEET A10.00
18. PROVIDE GROMMETS IN COUNTERTOP.

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. FOR PARTITION TYPES, SEE SHEET A8.00.
2. FOR MOUNTING HEIGHTS AND CLEARANCES OF ALL ACCESSORIES SEE SHEET A8.30
3. FOR DOOR AND WINDOW SCHEDULE, SEE SHEET A6.00.
4. FOR CASEWORK DETAILS SEE SHEET A8.40
5. FOR FURNITURE AND EQUIPMENT, SEE SHEET A10.00.
6. FOR FINISH SCHEDULE AND PLAN, SEE SHEET A11 SERIES.
7. FOR WALL AND OPENING LOCATIONS, SEE DIMENSION PLAN ON SHEET A1.02.
8. ALL DIMENSIONS ARE GIVEN FROM FACE OF STRUCTURE (CONCRETE, BLOCK, STUD) OR CENTERLINE OF PARTITION UNLESS OTHERWISE NOTED.

LEGEND:

- 1i — WALL TAG, SEE SHEET A8.00
- 101 — DOOR TAG, SEE SHEET A6.00 FOR DOOR SCHEDULE
- W01 — WINDOW TAG, SEE SHEET A6.00 FOR WINDOW TYPES

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No. C-27624
Dec 31, 2021
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
2	DSA PLAN CHECK	7/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

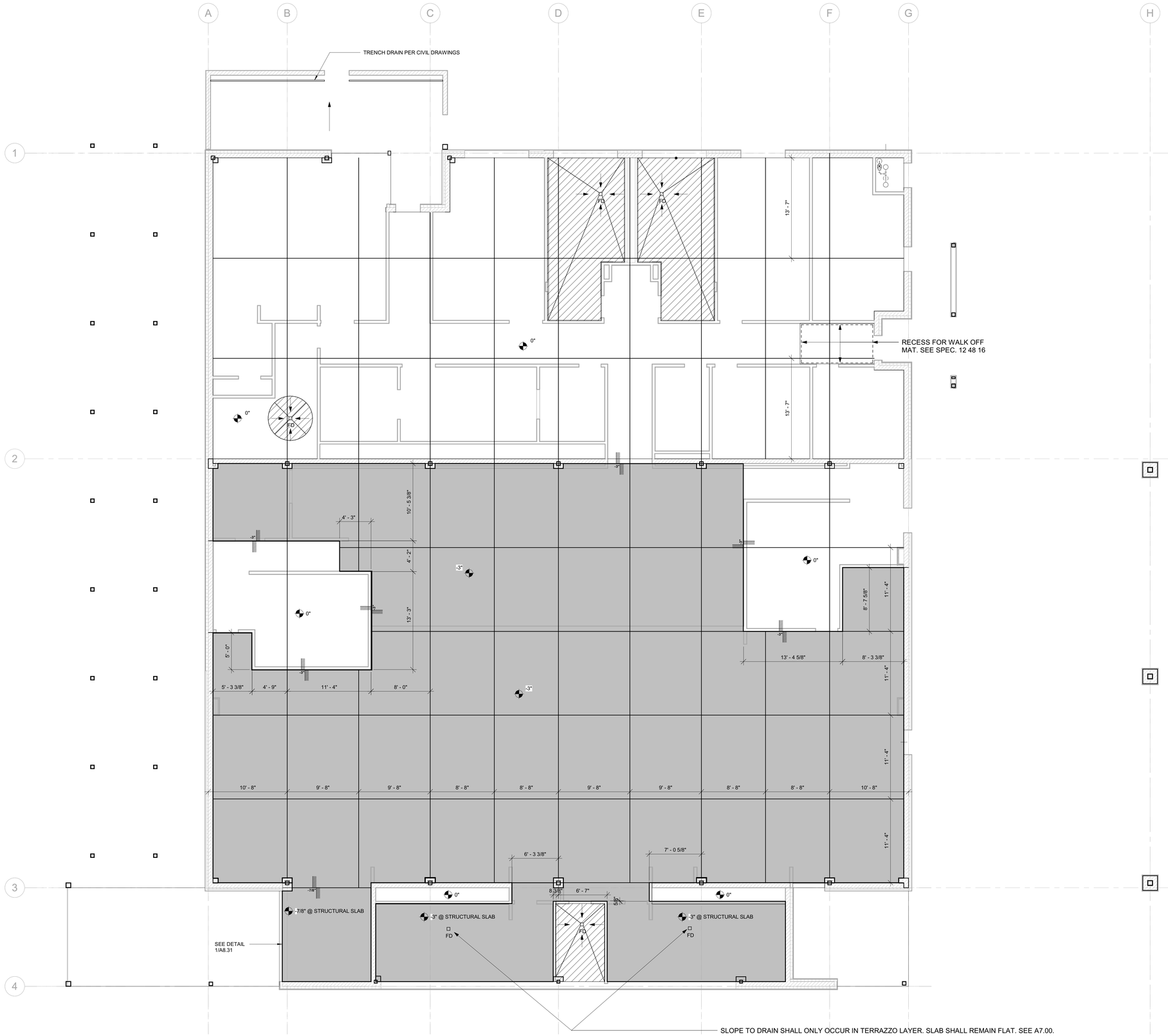
FLOOR PLAN

SHEET NO.

A1.00

ISSUE DATE: JULY 2020

V3



1 SLAB PLAN
3/16" = 1'-0"

SHEET NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY

1. SEE SHEET A11.00 FINISH PLAN FOR TERRAZZO FLOOR JOINTS.
2. REFER TO STRUCTURAL DETAIL 1/S5.1 FOR CONTROL JOINT DEPTH/WIDTH & LAYOUT REQUIREMENTS.
3. ALL DIMENSIONS SHOWN SHALL BE VERIFIED PRIOR TO CONSTRUCTION. PENETRATION LOCATIONS ARE SHOWN FOR GRAPHICAL PURPOSES ONLY. COORDINATE PENETRATION LOCATIONS WITH ELECTRICAL, MECHANICAL, PLUMBING, AND STRUCTURAL DISCIPLINES.

LEGEND:

- SLAB ON GRADE
- DEPRESSED SLAB.
- SLAB ON GRADE SLOPE TO DRAIN - 1/8" PER 1'-0" WHERE INDICATED
- CONTROL JOINTS
- FLOOR DRAIN PER PLUMBING PLAN

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JOB NO. DGS 140724
SHEET TITLE

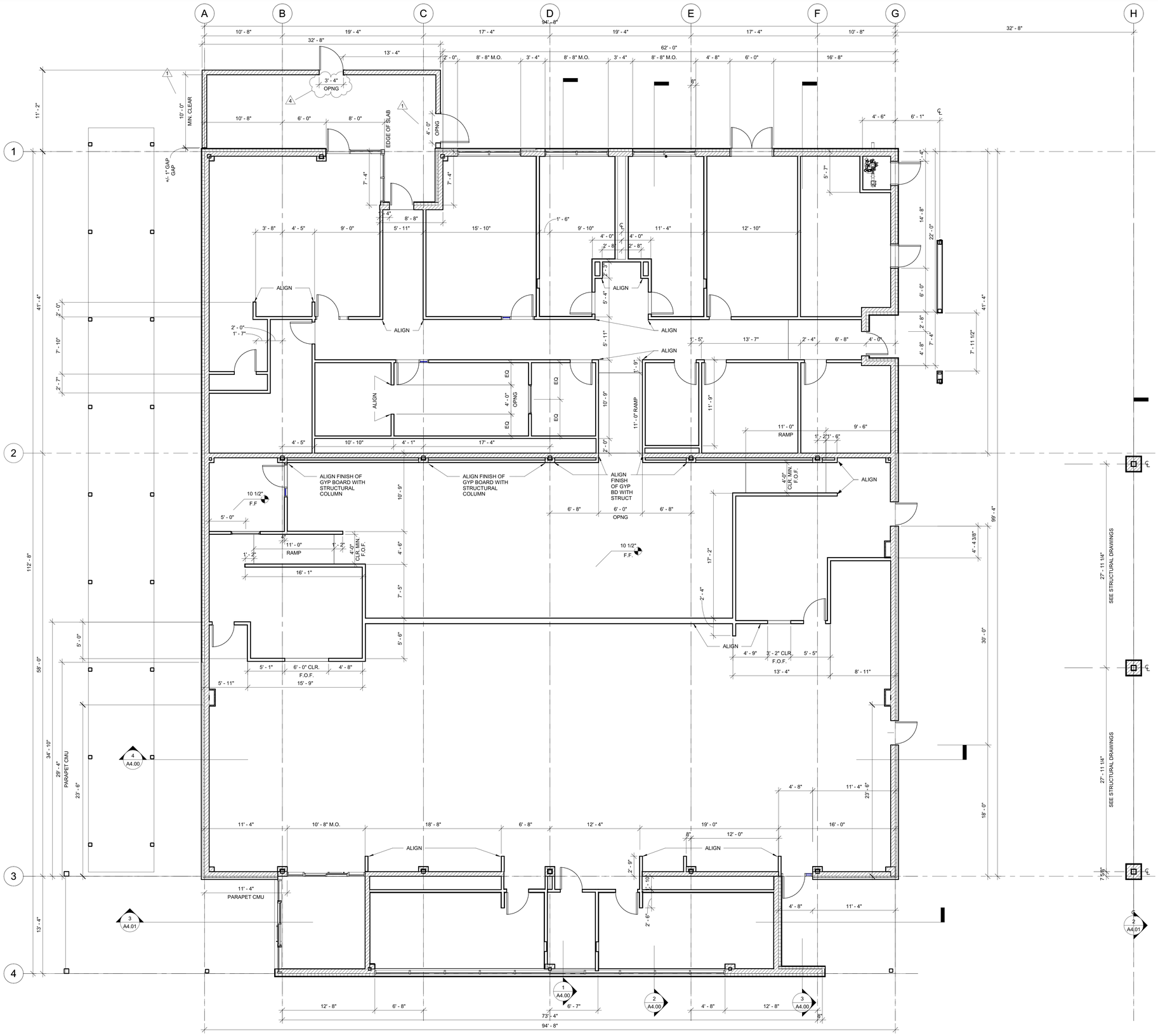
SLAB EDGE PLAN

SHEET NO.

A1.01

ISSUE DATE: JULY 2019 V3

ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



1 DIMENSION PLAN
3/16" = 1'-0"

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. ALL DOORS NOT LOCATED BY DIMENSIONS ON PLANS OR DETAILS SHALL BE 4" FROM FINISH WALL TO DOOR BUCK.
2. ALL DIMENSIONS ARE GIVEN FROM FACE OF STRUCTURE (CONCRETE, BLOCK, STUD) OR CENTERLINE OF PARTITION UNLESS OTHERWISE NOTED.
3. SEE CEILING PLAN, BUILDING SECTIONS AND OTHER PLANS FOR ADDITIONAL DIMENSIONING NOT SHOWN HERE.

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REVISIONS

NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20
4	SFM PLAN CHECK 2	12/09/20

DATE 04/08/2020

JOB NO. DGS 140724

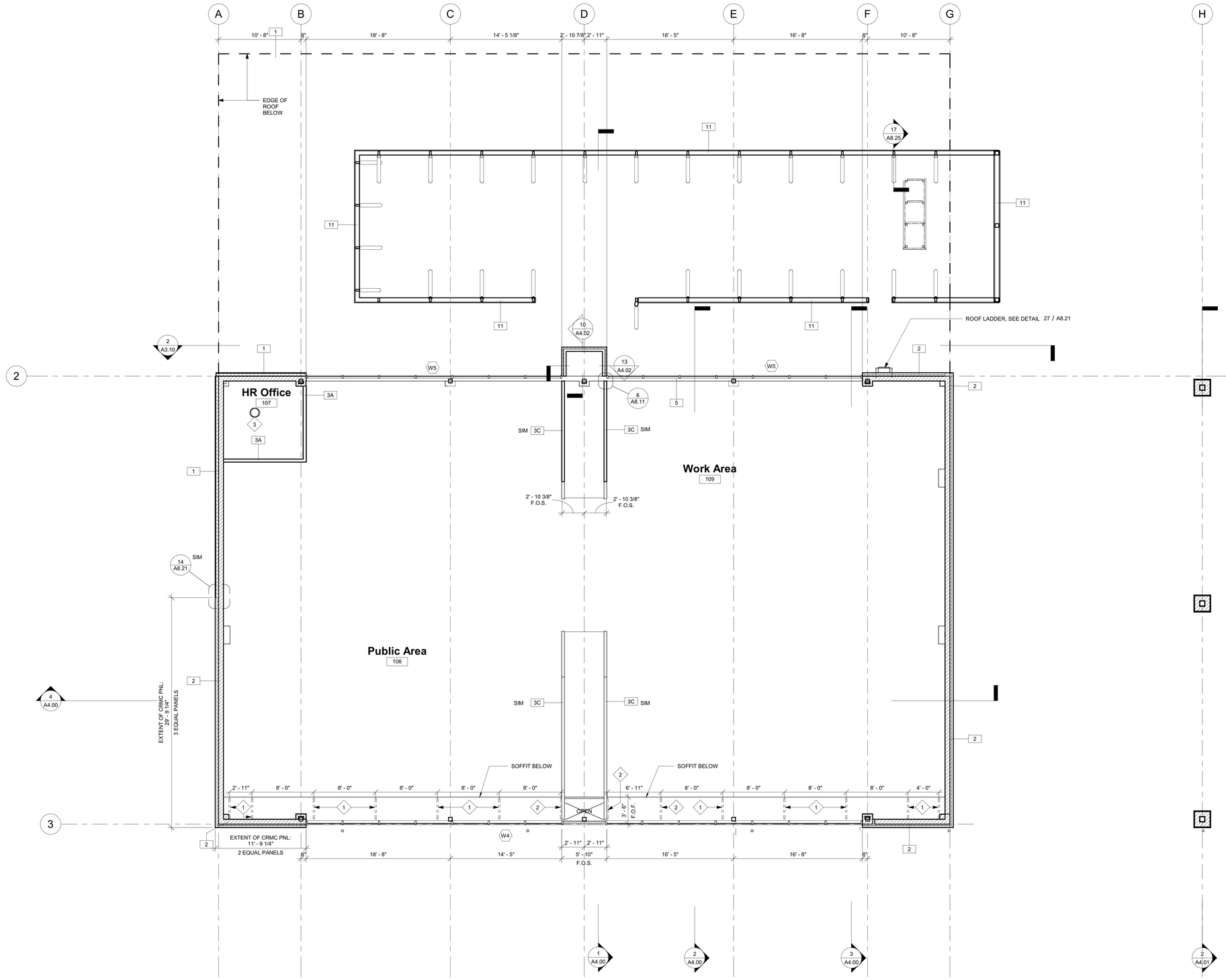
SHEET TITLE

DIMENSION PLAN

SHEET NO.

A1.02

ISSUE DATE: JULY - 2019 V3



1 CLERESTORY PLAN

3/16" = 1'-0"

N

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. SOFFIT SUPPORT 1, SHOWN FOR REFERENCE. SEE DETAILS 28 / A8.31 17 / A8.31 AND 24 / A8.30
2. SOFFIT SUPPORT 2, SHOWN FOR REFERENCE. SEE DETAILS 28 / A8.31 27 / A8.31 AND 30 / A8.30
3. SKYLIGHT ANGLE ADAPTER. SEE ROOF PLAN & REFLECTED CEILING PLAN FOR TERMINATION LOCATIONS.

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. FOR PARTITION TYPES, SEE SHEET A8.00.
2. FOR MOUNTING HEIGHTS AND CLEARANCES OF ALL ACCESSORIES SEE SHEET A8.30
3. FOR DOOR AND WINDOW SCHEDULE, SEE SHEET A6.00.
4. FOR CASEWORK DETAILS SEE SHEET A8.40
5. FOR FURNITURE AND EQUIPMENT, SEE SHEET A10.00.
6. FOR FINISH SCHEDULE AND PLAN, SEE SHEET A11 SERIES.
7. FOR WALL AND OPENING LOCATIONS, SEE DIMENSION PLAN ON SHEET A1.02.
8. ALL DIMENSIONS ARE GIVEN FROM FACE OF STRUCTURE (CONCRETE, BLOCK, STUD) OR CENTERLINE OF PARTITION UNLESS OTHERWISE NOTED.

LEGEND:

- 1i — WALL TAG, SEE SHEET A8.00
- 101 — DOOR TAG, SEE SHEET A6.00 FOR DOOR SCHEDULE
- W01 — WINDOW TAG, SEE SHEET A6.00 FOR WINDOW TYPES

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12/07/21
20-1059

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REGISTERED ARCHITECT MICHAEL J. MARTINEZ No. C-27624 Dec 31, 2021 STATE OF CALIFORNIA

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

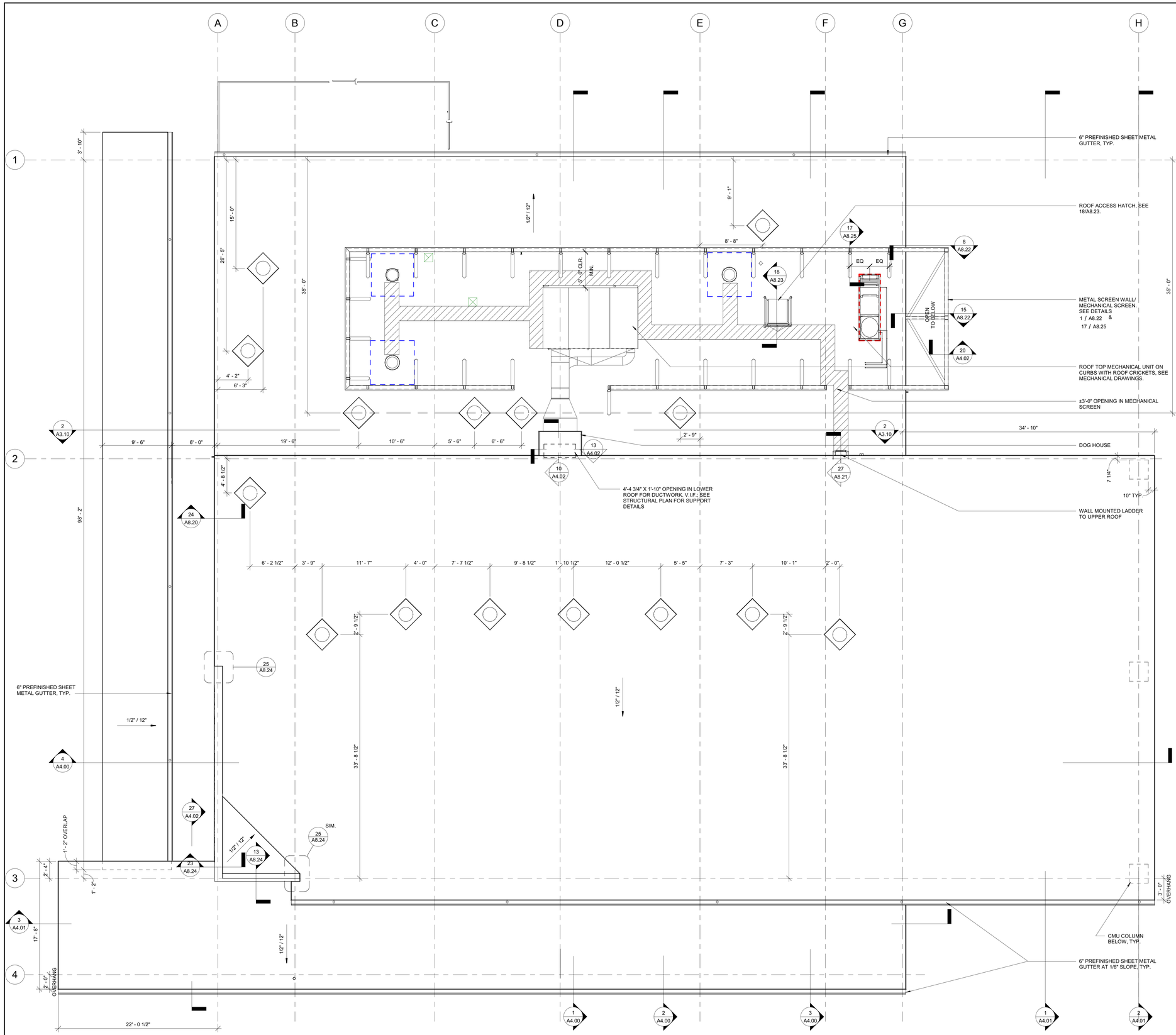
CLERESTORY PLAN

SHEET NO.

A1.03

ISSUE DATE: JULY , 2020

V3



1 ROOF PLAN
3/16" = 1'-0"

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. SKYLIGHT SPACING: CBC 2610.6 SKYLIGHTS SHALL BE SEPARATED FROM EACH OTHER BY A DISTANCE OF NOT LESS THAN 4 FEET MEASURED IN A HORIZONTAL PLANE. EXCEPTIONS: 1. BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.
2. ALL DIMENSIONS ARE GIVEN FROM FACE OF STRUCTURE (CONCRETE, BLOCK, STUD), CENTERLINE OF PARTITION OR STRUCTURAL GRID LINE UNLESS OTHERWISE NOTED.
3. SEE CEILING PLAN, BUILDING SECTIONS AND OTHER PLANS FOR ADDITIONAL DIMENSIONING NOT SHOWN HERE.

LEGEND:

- SINGLE PLY OVER 1/2" DENSDECK OVER 6" XPS RIDGED INSULATION (R30+) OVER 1.5" METAL DECK
- SINGLE PLY OVER 1/2" DENSDECK OVER 1.5" METAL DECK
- PRIMARY WALK PATH FOR SERVICING EQUIPMENT (2FT WIDE)
- 14" TUBULAR SKYLIGHT, TYP.

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No. C-27624
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REGISTERED ARCHITECT
MICHAEL J. NACHT
STATE OF CALIFORNIA

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NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

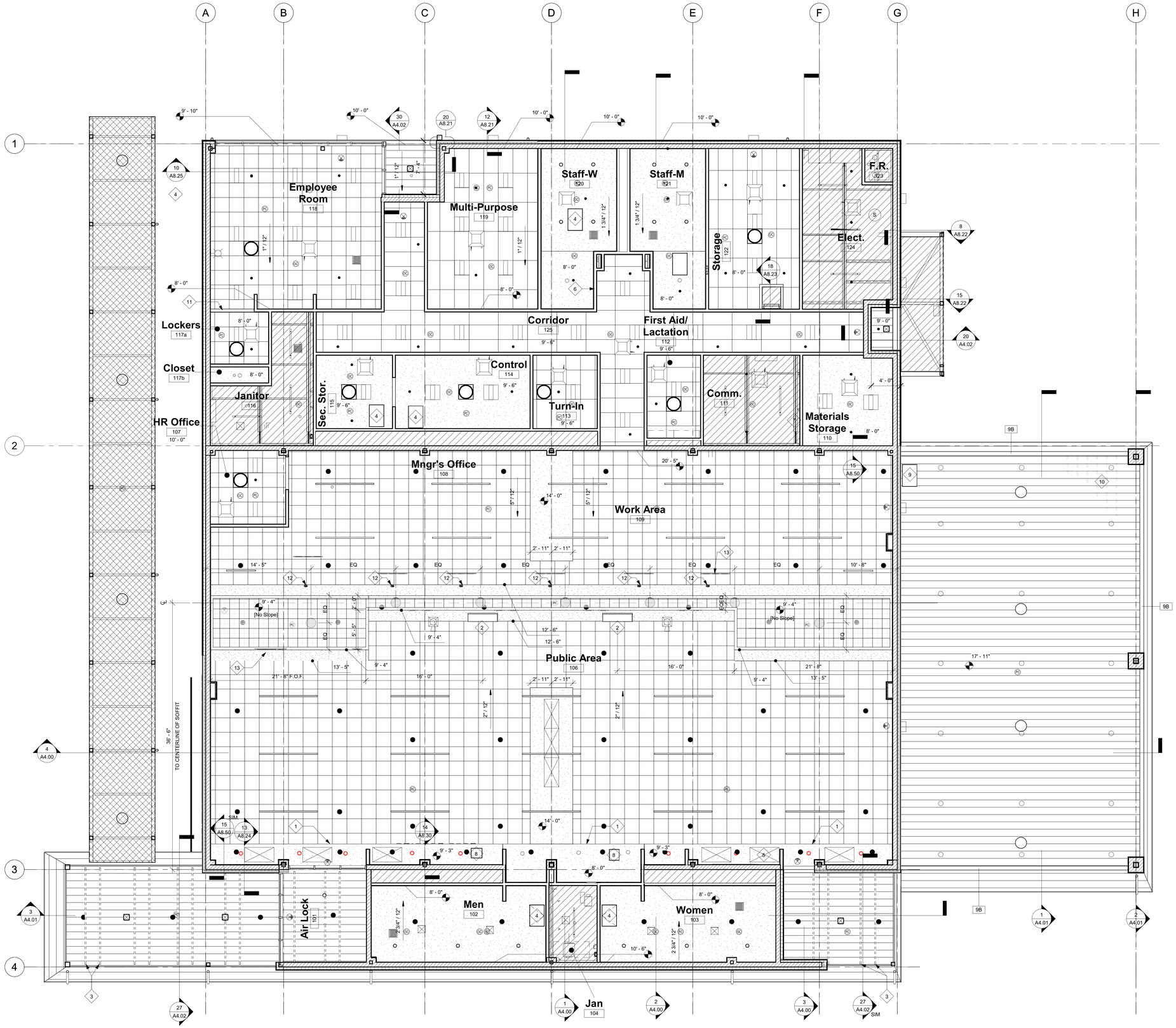
ROOF PLAN

SHEET NO.

A1.50

ISSUE DATE: JULY 2020

V3



KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. SOFFIT SUPPORT SHALL BE 2 X 4 STEEL TUBE AT 96" O.C. MAX. SEE CLERESTORY PLAN FOR SPACING/LOCATIONS AT VAV UNITS.
2. TV MONITORS, SEE A10.00 EQUIPMENT PLAN.
3. 18 GA. 8" SLOPED JOISTS. SPACE EQUALLY, 2 PER BAY BETWEEN STRUCTURAL STEEL. SEE 27/A4.02
4. AD1: 22" X 36" CEILING ACCESS DOOR 08 31 13
5. SOFFIT-MOUNTED DIFFUSER (TYP. OF 6). SEE MECHANICAL PLANS FOR TYPE & LOCATION.
6. PROVIDE FRAMED OPENING FOR ABOVE-CEILING PLENUM RETURN. COORDINATE SIZE/LOCATION WITH MECHANICAL PLANS & INSTALLER.
7. PROVIDE MIN. 22" X 36" SERVICE ACCESS OPENING IN WALL FRAMING ABOVE CEILING FOR ACCESS TO STORAGE ATTIC.
8. AD2 08 31 13: 16" X 16" SERVICE ACCESS DOOR IN SOFFIT BOTTOM. LOCATE IN FIELD AFTER VAV UNIT INSTALLATION.
9. AD3: 22" X 36" EXTERIOR CEILING ACCESS DOOR 08 31 13
10. METAL JOISTS (TYP.) PER STRUCTURAL DETAILS 9/S7.2 & 16/S7.3
11. SOFFIT HEAD-OUT, DETAIL 5/A8.50 (SIM.)
12. LIGHTING FOR EYE CHARTS, TYP. SEE ELECTRICAL DRAWINGS.
13. SIGNAGE (TYP.), SEE SIGNAGE PLAN SHEET A12.01

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. SEE SHEET T0.0 FOR GENERAL NOTES AND SCOPE OF WORK THAT MAY NOT BE COMPLETELY IDENTIFIED ON THIS SHEET.
2. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
3. ALL CEILING GRIDS ARE CENTERED IN ROOMS, U.O.N.
4. LIGHTS OR DIFFUSERS ARE DIMENSIONED TO CENTER OF FIXTURE U.O.N.
5. THE LOCATION OF AUTOMATIC FIRE SPRINKLERS AND ALL RELATED EQUIPMENT SHOWN ON THE PLAN IS FOR REFERENCE ONLY. ITEMS SHOWN DO NOT CONSTITUTE SCOPE DRAWINGS, WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
6. SEE ELECTRICAL LIGHTING PLAN FOR LIGHTING DESIGNATIONS.
7. ALL ELEVATION CALLOUTS ARE TAKEN FROM LEVEL 1 (F.F.)
8. PROVIDE ADDITIONAL ACCESS PANELS TO SERVE ANY EQUIPMENT ABOVE CEILING OR IN WALL THAT REQUIRES ACCESS.

LEGEND:

- 2 X 4 SUSPENDED CEILING W/ ACOUSTICAL LAY-IN PANELS, SCORED TO LOOK LIKE 2 X 2 - SEE DETAIL 2/A8.50 FOR SUSPENSION SYSTEM. SEE SPEC FOR ACOUSTICAL TILE TYPE.
- 2 X 2 SUSPENDED CEILING W/ ACOUSTICAL LAY-IN PANELS - SEE DETAIL 2/A8.50 FOR SUSPENSION SYSTEM. SEE SPEC FOR ACOUSTICAL TILE TYPE.
- 2 X 2 SUSPENDED CEILING W/ FROSTED ACRYLIC PANEL/WHITE ALUMINUM EGG CRATE LAY-IN PANELS - SEE DETAIL 2/A8.50 FOR SUSPENSION SYSTEM. SEE SPEC SECTION 09 51 13.
- GYPSUM BOARD CEILING/SOFFIT (PAINTED (EXP) - SEE FINISH SCHEDULE). SEE DETAIL 1/A8.50 FOR SUSPENSION SYSTEM.
- EXPOSED METAL DECKING. SEE STRUCTURAL DRAWINGS.
- 12" WIDE PERFORATED METAL SOFFIT PANELS
- OPEN/EXPOSED TO STRUCTURE
- LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- 2X2 LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- SUPPLY AIR DIFFUSER (SEE MECHANICAL DRAWINGS FOR SIZE)
- EXHAUST GRILLE
- SOLATUBE LIGHT FIXTURE (OR APPROVED EQUAL)
- RECESSED CAN LIGHT
- LED DOWNLIGHT
- SQUARE DOWN LIGHT
- WALL TAG, SEE SHEET A8.00
- CEILING ACCESS PANEL. SEE SCHEDULE IN SPECIFICATION 08 31 13
- SOLATUBE TERMINATED ABOVE SOFFIT. SEE 14/A8.50.
- SPRINKLER HEAD (SEE FIRE PROTECTION DRAWINGS FOR LOCATIONS & TYPE)
- OC — OCCUPANCY SENSOR
- PC — PHOTOCELL
- S — SMOKE DETECTOR
- PE — SMOKE DETECTOR

1 REFLECTED CEILING PLAN
3/16" = 1'-0"

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ARCHITECT
No. C-27624
Dec 31, 2021

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1	SFM PLAN CHECK	7/15/20

DATE 04/08/2020

JOB NO. DGS 140724

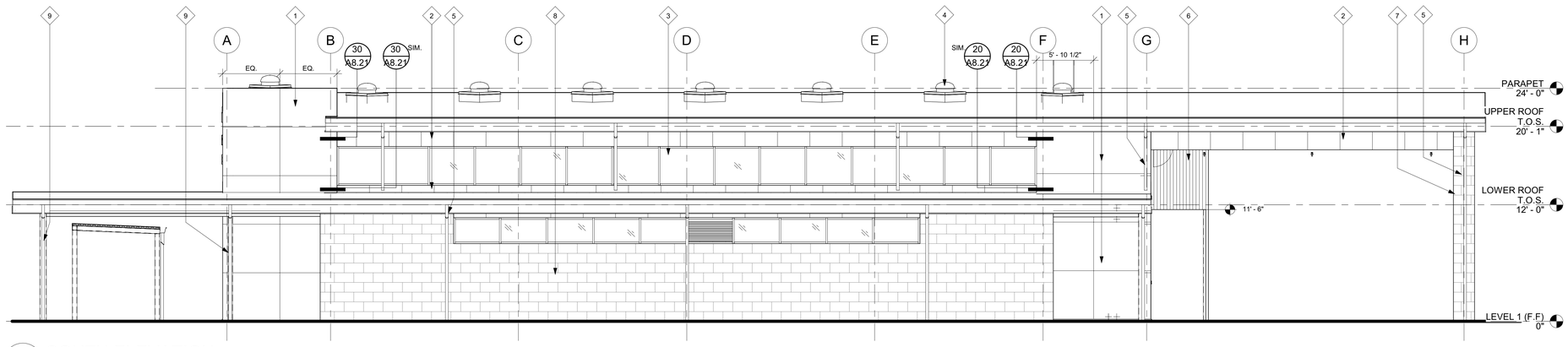
SHEET TITLE

REFLECTED CEILING PLAN

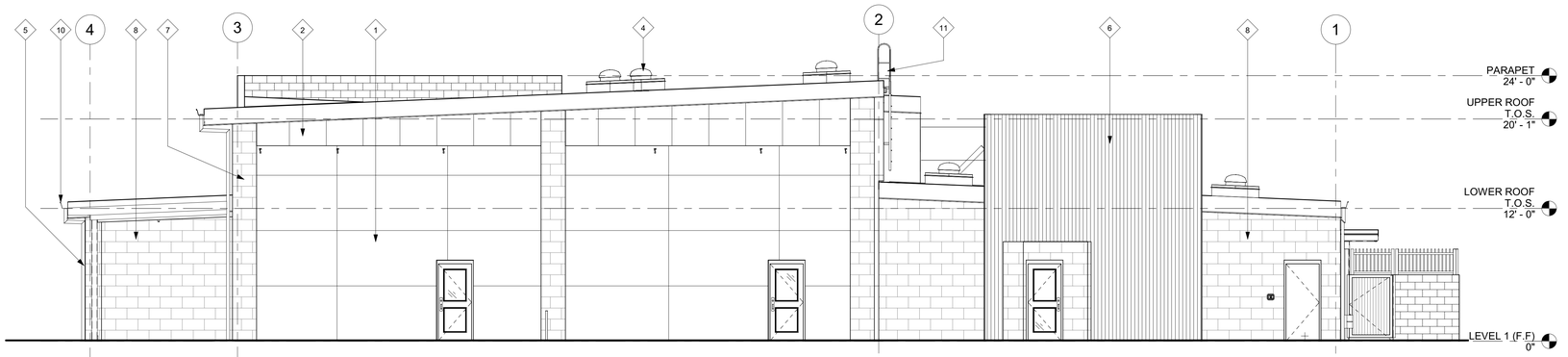
SHEET NO.

A2.00

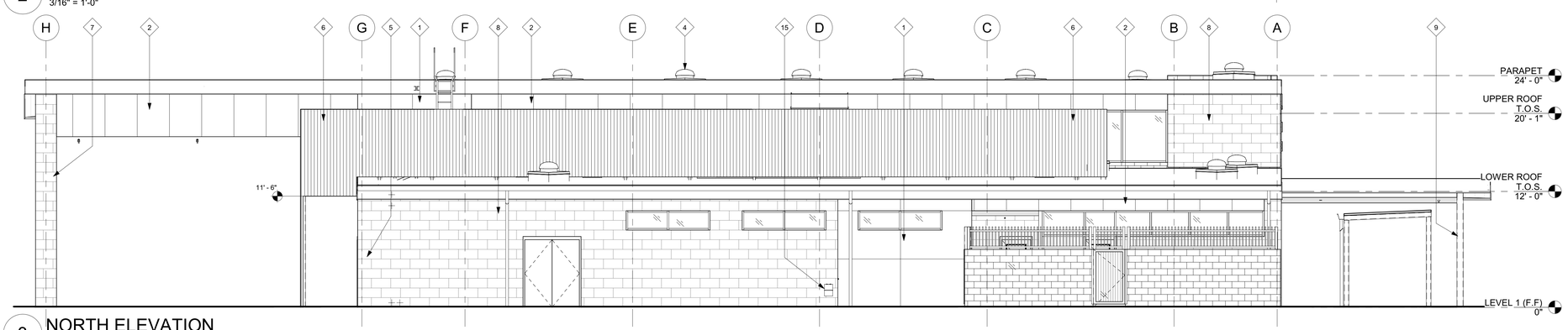
ISSUE DATE: JULY 2020 V3



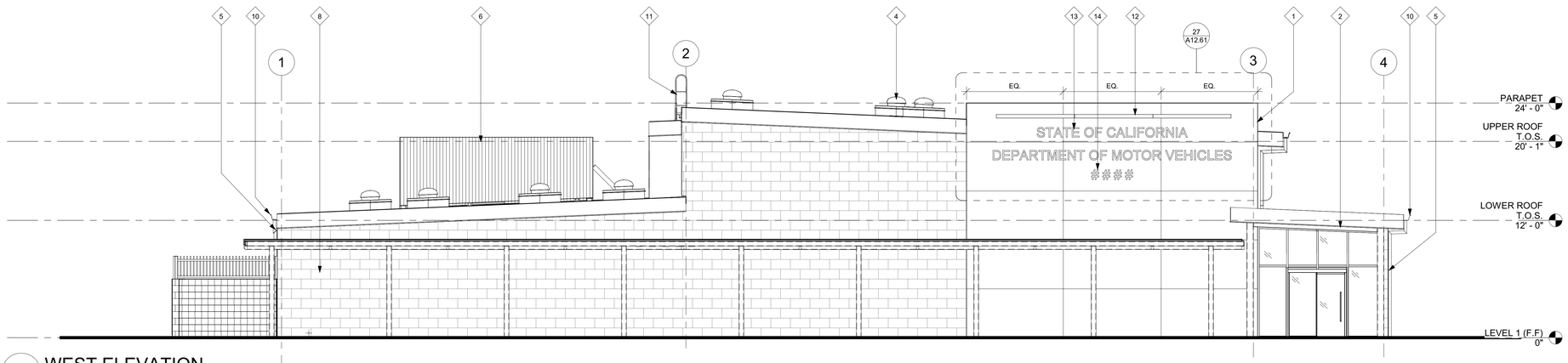
1 SOUTH ELEVATION
3/16" = 1'-0"



2 EAST ELEVATION - 1
3/16" = 1'-0"



3 NORTH ELEVATION
3/16" = 1'-0"



4 WEST ELEVATION
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. RAIN SCREEN SYSTEM - CRMC PNL-1
2. INSULATED METAL PANEL (IMP)
3. SPANDREL GLASS AT THIS BAY
4. 14" TUBULAR SKYLIGHT
5. RAIN WATER LEADER, SEE DETAIL 2/A0.30.
6. METAL SCREEN WALL CORRUGATED - MTL PNL
7. CMU COLUMN - W/CSMU RAIN SCREEN SYSTEM - STONE-1 (50%), 2 (25%) & 3 (25%).
8. CSMU RAIN SCREEN SYSTEM - STONE-1 (50%), 2 (25%) & 3 (25%).
9. STEEL STRUCTURAL COLUMN
10. 6" PREFINISHED SHEET METAL GUTTER, TYP.
11. LADDER TO UPPER ROOF
12. LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
13. 1'-0" HIGH RAISED ALUMINUM LETTERS, CLEAR ANODIZED
14. 1'-0" HIGH RAISED ALUMINUM NUMBERS OF ADDRESS, CLEAR ANODIZED
15. GAS METER. SEE MECHANICAL PLANS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

REGISTERED ARCHITECT
No. C-27624
Dec 31, 2021
STATE OF CALIFORNIA
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

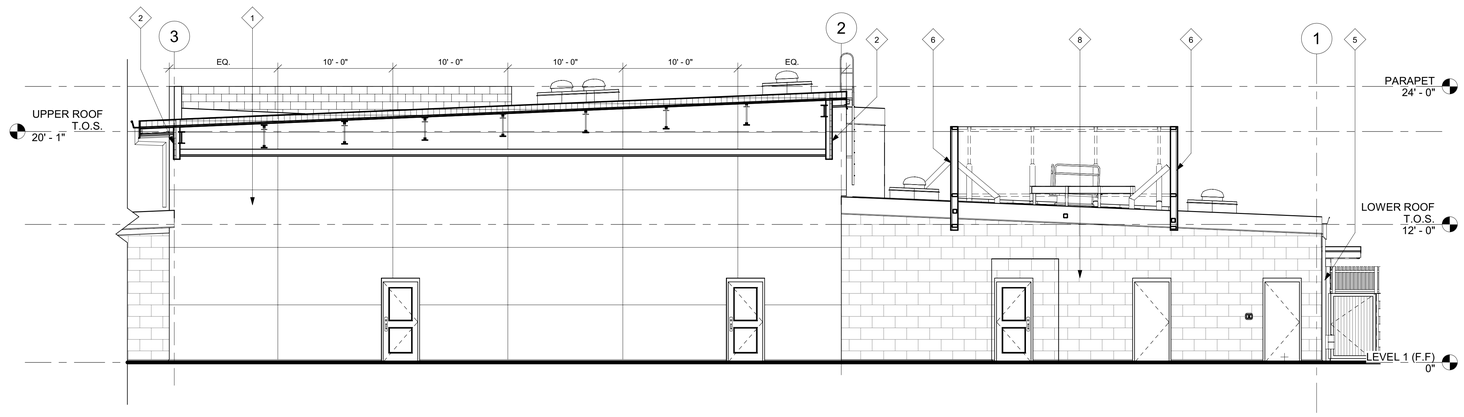
NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

EXTERIOR ELEVATIONS

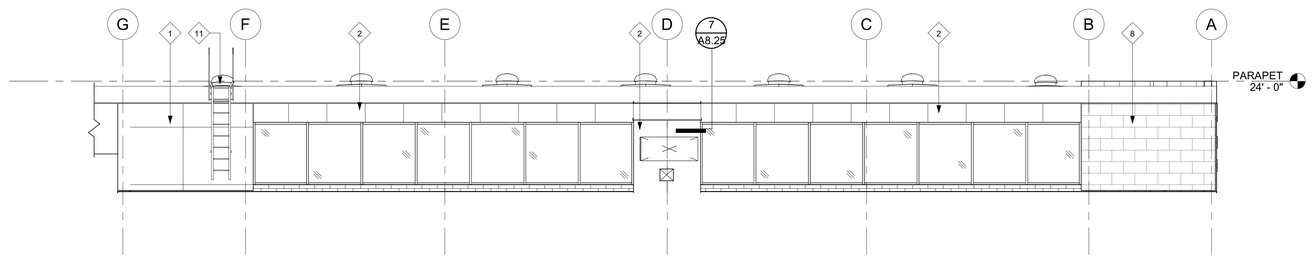
SHEET NO.
A3.00

ISSUE DATE: JULY , 2020
V3



1 EAST ELEVATION - 2

3/16" = 1'-0"



2 NORTH CLERESTORY ELEVATION

3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. RAIN SCREEN SYSTEM - CRMC PNL-1
2. INSULATED METAL PANEL (IMP)
3. SPANDREL GLASS AT THIS BAY
4. 14" TUBULAR SKYLIGHT
5. RAIN WATER LEADER, SEE DETAIL 2/A0.30.
6. METAL SCREEN WALL CORRUGATED - MTL PNL
7. CMU COLUMN - W/CSMU RAIN SCREEN SYSTEM - STONE-1 (50%), 2 (25%) & 3 (25%).
8. CSMU RAIN SCREEN SYSTEM - STONE-1 (50%), 2 (25%) & 3 (25%).
9. STEEL STRUCTURAL COLUMN
10. 6" PREFINISHED SHEET METAL GUTTER, TYP.
11. LADDER TO UPPER ROOF
12. LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
13. 1'-0" HIGH RAISED ALUMINUM LETTERS, CLEAR ANODIZED
14. 1'-0" HIGH RAISED ALUMINUM NUMBERS OF ADDRESS, CLEAR ANODIZED
15. GAS METER. SEE MECHANICAL PLANS.

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REGISTERED ARCHITECT — No. C-27624 — Dec 31, 2021 — STATE OF CALIFORNIA

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DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

EXTERIOR ELEVATIONS

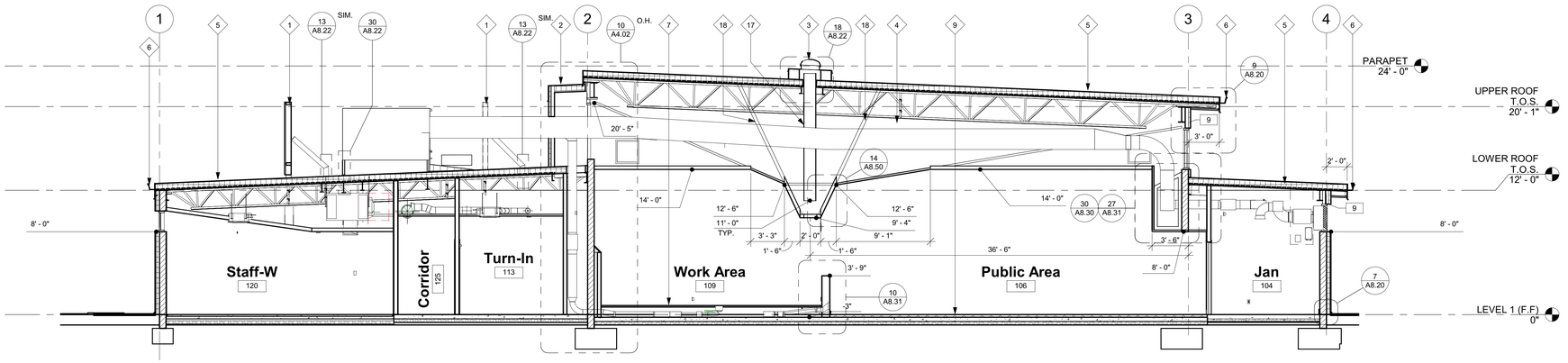
SHEET NO.

A3.10

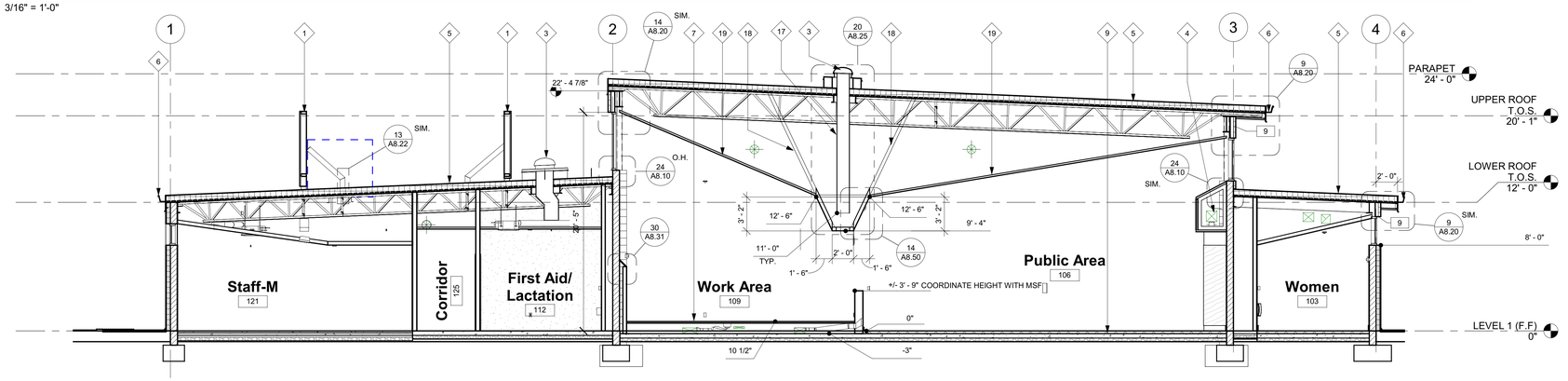
ISSUE DATE: JULY , 2020

V3

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 6 2
ONE-HALF INCH = ONE FOOT 0 4
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1



1 Section 1
3/16" = 1'-0"



2 Section 2
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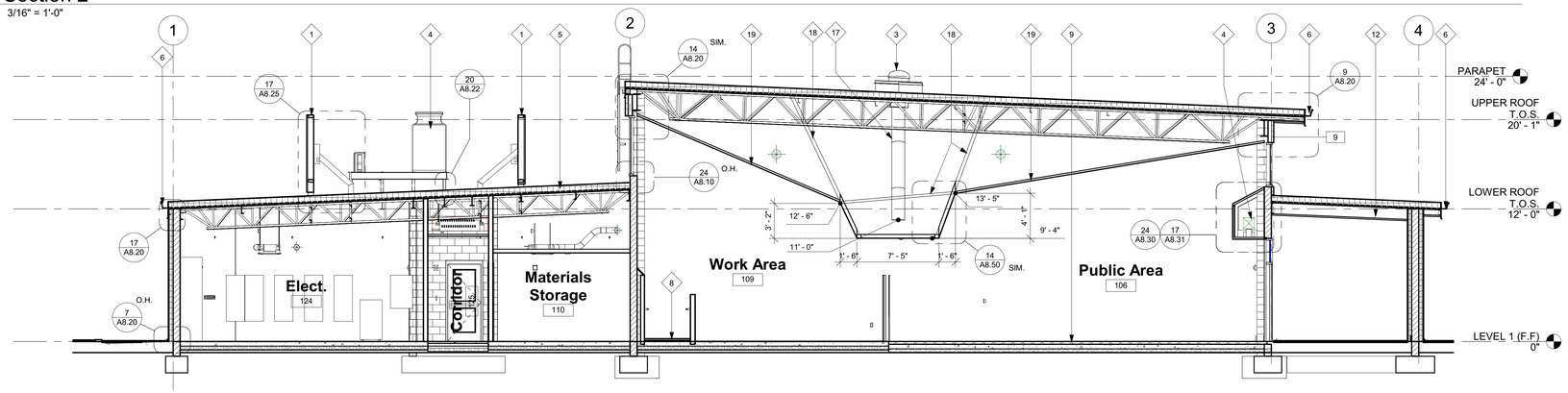
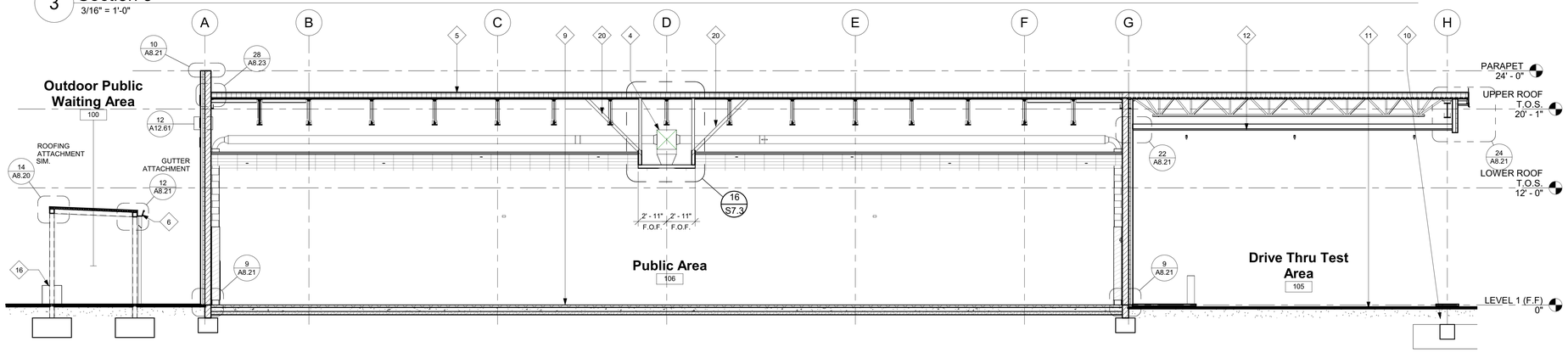


3 Section 3
3/16" = 1'-0"



4 Section 4
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO A4.00 AND A4.01 ONLY

1. MECHANICAL SCREEN WALL. SEE 17/A8.25.
2. MECHANICAL DOGHOUSE
3. 14" TUBULAR SKYLIGHT, SEE 18/A8.22.
4. MECHANICAL EQUIPMENT/DUCTING. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATION
5. SINGLE PLY OVER 1/2" DENSDECK OVER 6" XPS RIDGED INSULATION (R30+) OVER 1.5" METAL DECK
6. 6" SHEET METAL GUTTER, GALVANIZED AND PAINTED, TYP.
7. RAISED ACCESS FLOOR
8. RAISED ACCESS FLOOR RAMP
9. 3" CEMENTITIOUS TERRAZZO FLOORING OVER STRUCTURAL SLAB. SEE FINISH PLAN.
10. CONCRETE COLUMN/FOOTING/GRADE BEAM PER STRUCTURAL PLAN
11. SITE PAVING
12. METAL SOFFIT PANEL
13. STRUCTURAL COLUMN PER STRUCTURAL PLAN
14. METAL INSULATED PANEL SOFFIT WALL
15. CONCRETE CURB PER SITE PLAN
16. SEAT WALL, SEE SITE PLAN AND 1/A0.30.
17. SKYLIGHT REFLECTIVE TUBE 08 62 50. STABILIZE PER MANUF. SPECIFICATION
18. SOFFIT FRAMING/BRACING: 3 5/8" X 18 GA @ 16" O.C. (TYP.). PROVIDE STRINGBACKS & ATTACH TO ROOF DECK PER STRUCTURAL DETAIL 15/S7.3
19. SUSPENDED CEILING
20. SOFFIT BRACING PER STRUCTURAL DETAIL 16/S7.3

LEGEND:

1i WALL TAG, SEE SHEET A8.00

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ARCHITECT

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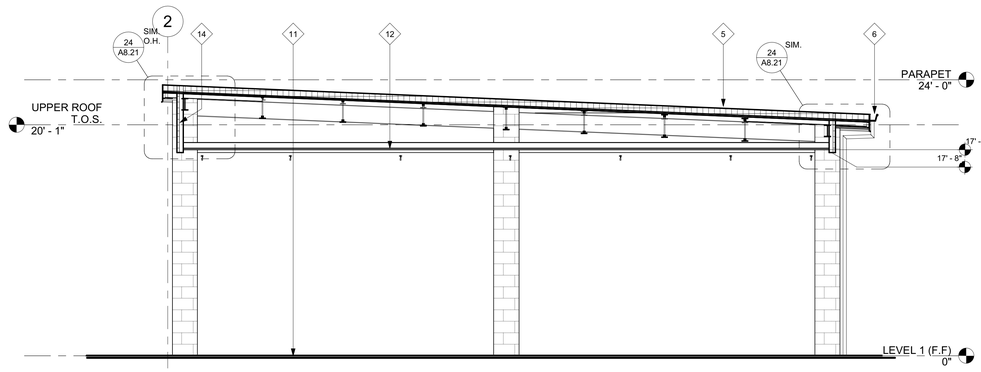
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

BUILDING SECTIONS

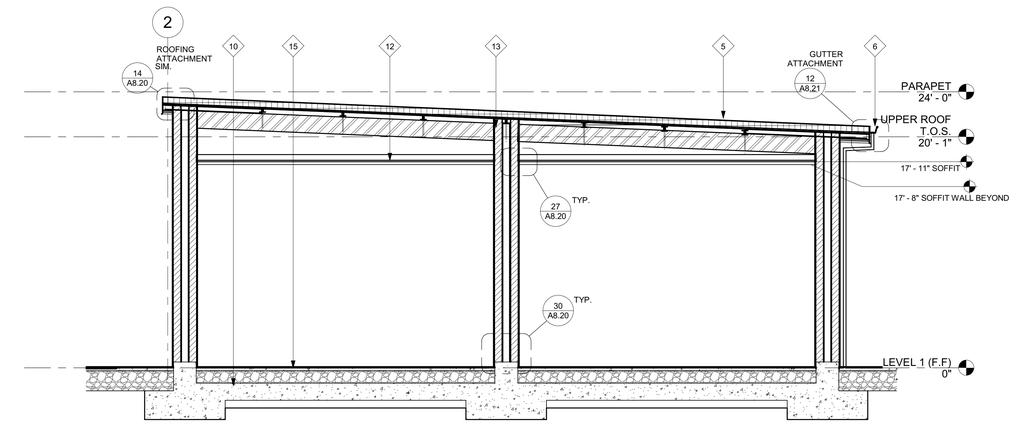
SHEET NO.
A4.00

ISSUE DATE: JULY , 2020
V3

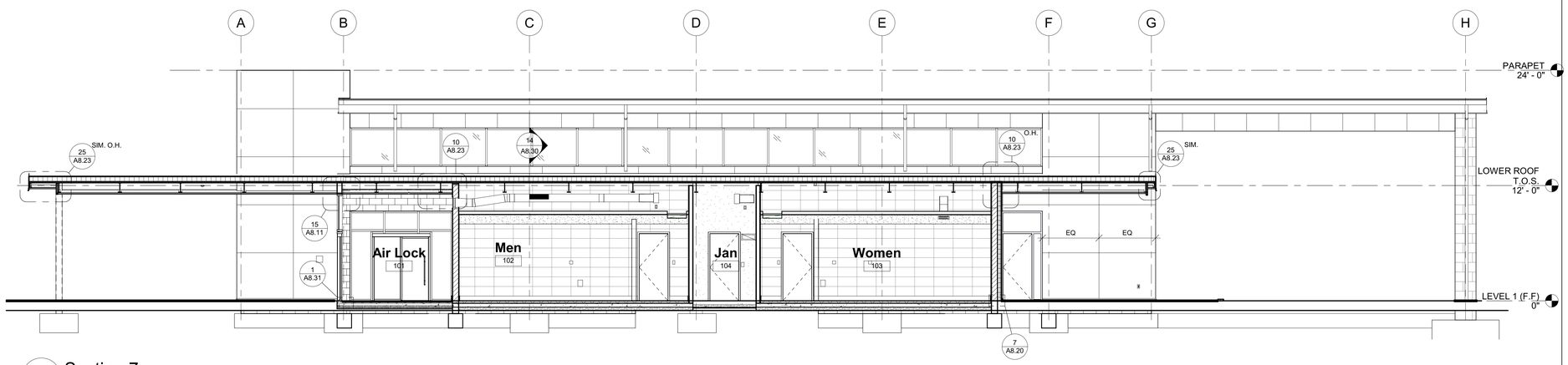
ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT



1 Section 5
3/16" = 1'-0"



2 Section 6
3/16" = 1'-0"



3 Section 7
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO A4.00 AND A4.01 ONLY

1. MECHANICAL SCREEN WALL. SEE 17/A8.25.
2. MECHANICAL DOGHOUSE
3. 14" TUBULAR SKYLIGHT, SEE 18/A8.22.
4. MECHANICAL EQUIPMENT/DUCTING. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATION
5. SINGLE PLY OVER 1/2" DENSDECK OVER 6" XPS RIDGED INSULATION (R30+) OVER 1.5" METAL DECK
6. 6" SHEET METAL GUTTER, GALVANIZED AND PAINTED, TYP.
7. RAISED ACCESS FLOOR
8. RAISED ACCESS FLOOR RAMP
9. 3" CEMENTITIOUS TERRAZZO FLOORING OVER STRUCTURAL SLAB. SEE FINISH PLAN.
10. CONCRETE COLUMN/FOOTING/GRADE BEAM PER STRUCTURAL PLAN
11. SITE PAVING
12. METAL SOFFIT PANEL
13. STRUCTURAL COLUMN PER STRUCTURAL PLAN
14. METAL INSULATED PANEL SOFFIT WALL
15. CONCRETE CURB PER SITE PLAN
16. SEAT WALL, SEE SITE PLAN AND 1/A0.30.
17. SKYLIGHT REFLECTIVE TUBE 08 62 50. STABILIZE PER MANUF. SPECIFICATION
18. SOFFIT FRAMING/BRACING: 3 5/8" X 18 GA @ 16" O.C. (TYP.). PROVIDE STRINGBACKS & ATTACH TO ROOF DECK PER STRUCTURAL DETAIL 15/S7.3
19. SUSPENDED CEILING
20. SOFFIT BRACING PER STRUCTURAL DETAIL 16/S7.3

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JOB NO. DGS 140724

SHEET TITLE

BUILDING SECTIONS

SHEET NO.

A4.01

ISSUE DATE: JULY , 2020 V3

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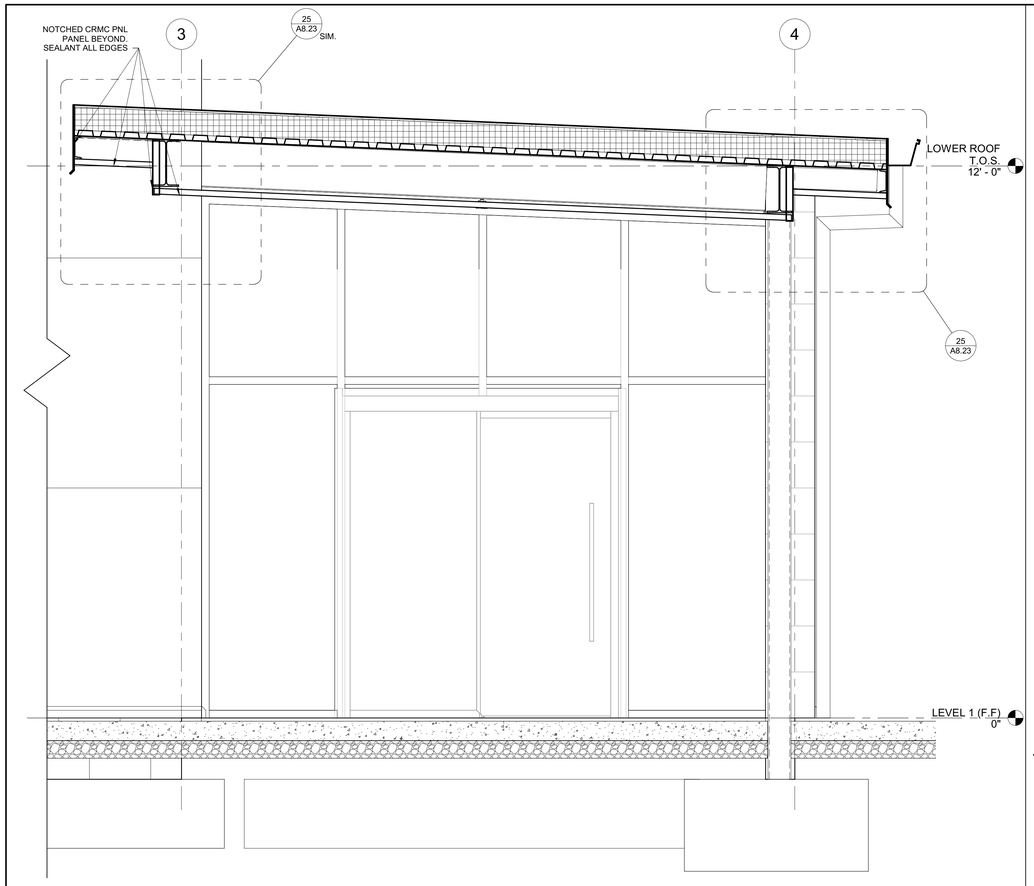
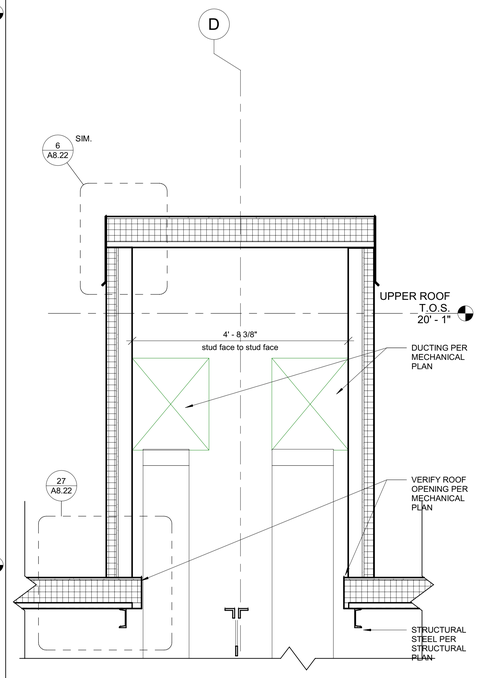
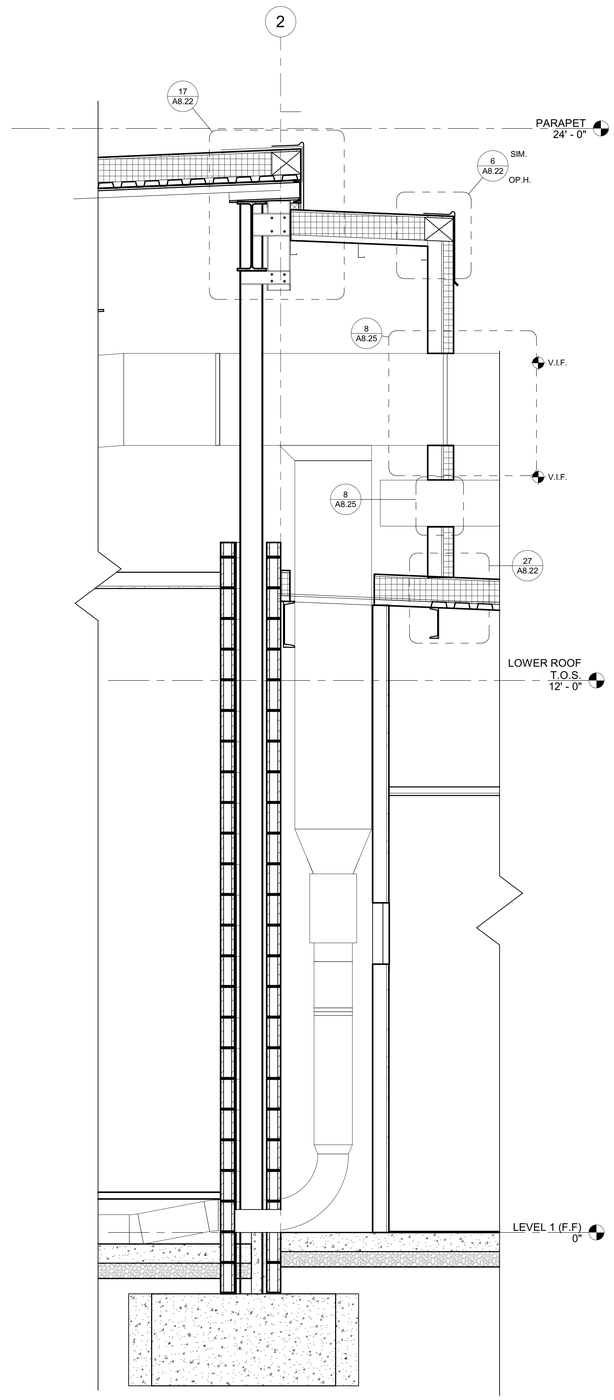


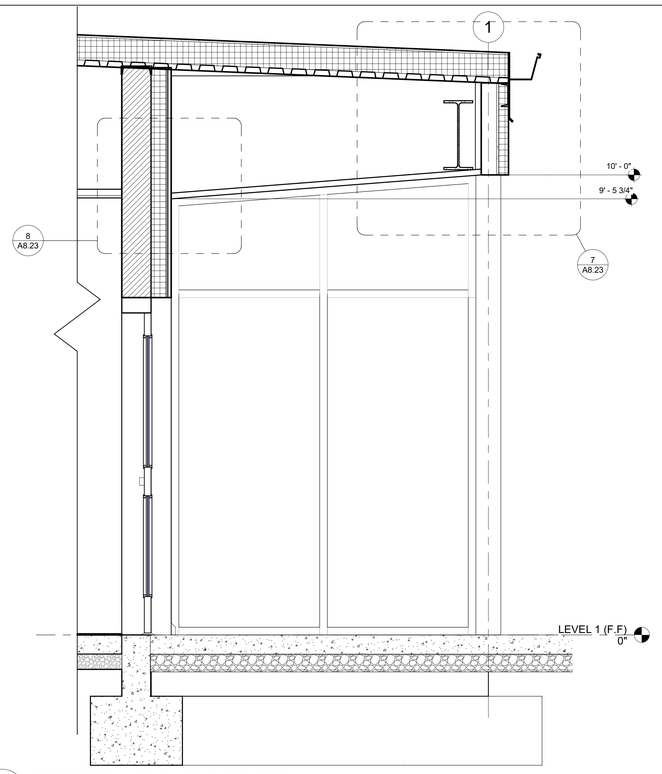
27 SECTION @ ENTRY CANOPY
3/4" = 1'-0"



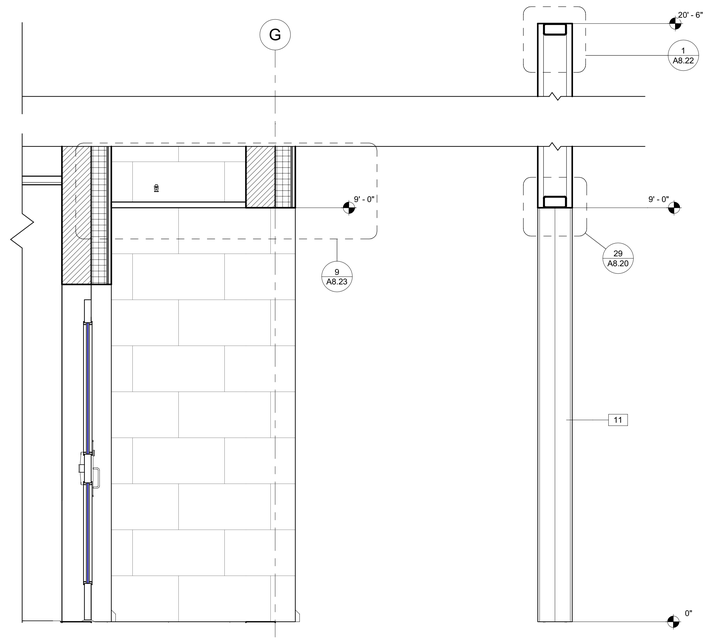
13 SECTION @ DOGHOUSE
3/4" = 1'-0"



10 WALL SECTION @ GL 2
3/4" = 1'-0"



30 SECTION @ PATIO ENTRY
3/4" = 1'-0"



20 SECTION @ SCREEN WALL OPENING/EMPLOYEE ENTRANCE
3/4" = 1'-0"

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SHEET TITLE

WALL SECTIONS

SHEET NO.

A4.02

ISSUE DATE: JULY , 2020 V3

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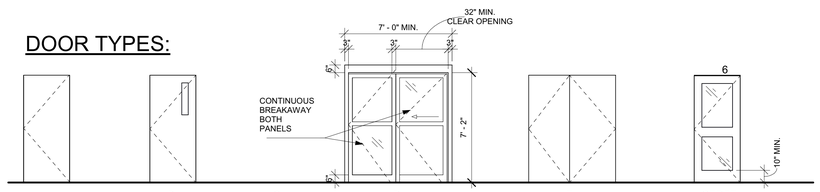
ONE-HALF INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT

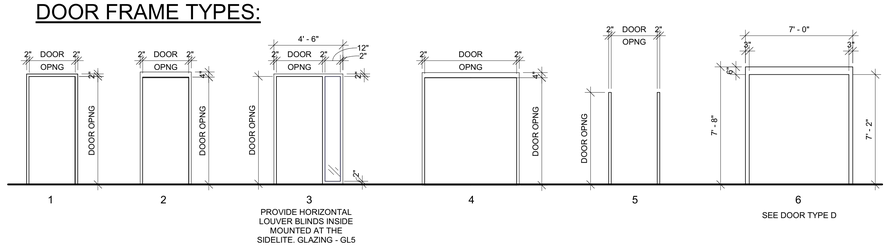
WT	ROOM NAME/LOCATION	NOMINAL DOOR SIZE (W X H) INSIDE OF DOOR FRAME	DOOR			FRAME			DETAILS (REF. A8.10 & A8.31)			HARDWARE GROUP	DOOR OPENING	SPECIAL REQUIREMENTS
			TYPE	MAT.	FINISH	TYPE	MAT.	FINISH	HEAD	JAMB	SILL			
101A	Air Lock	3'-0" X 7'-4"	D	ALUM	DARK BRONZE	W7	ALUM	DARK BRONZE	15/A8.11	5/A8.11, 9/A8.11	1/A8.31	15	101A	SEE WINDOW TYPE W7
101B	Public Area	3'-0" X 7'-4"	D	ALUM	DARK BRONZE	W8	ALUM	DARK BRONZE	11/A8.11	15/A/8.10	--	15	101B	SEE WINDOW TYPE W8
102	Men	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10 SIM	1	102	
103	Women	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10 SIM	1	103	
104	Jan	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10 SIM	2	104	
106A	Work Area	3'-0" x 6'-0"	A	WD	ST	5	HM	P5	-	1/A8.10	10/A8.10	16	106A	
106B	Work Area	3'-0" x 6'-0"	A	WD	ST	5	HM	P5	-	1/A8.10	10/A8.10	16	106B	
106C	Public Area	3-0" x 7'-0"	STRFT	ALUM	DARK BRONZE	W6	ALUM	DARK BRONZE	22/A8.10	22/A8.10	3/A8.10	17	106C	SEE WINDOW TYPE W6, PANIC HARDWARE
106D	Public Area	3'-0" x 7'- 0"	STRFT	ALUM	DARK BRONZE	W9	ALUM	DARK BRONZE	-	12/A8.10	3/A8.10	18	106D	SEE WINDOW TYPE W9
107	HR Office	3'-0" x 7'- 0"	A	WD	ST	3	HM	P5	1/A8.10	1/A8.10	5/A8.10	3	107	
109	Work Area	3-0" x 7'-0"	STRFT	ALUM	DARK BRONZE	W6	ALUM	DARK BRONZE	22/A8.10	22/A8.10	3/A8.10	4	109	SEE WINDOW TYPE W6
110	Materials Storage	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10	5	110	
111	Comm.	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10	6	111	
115	First Aid/ Lactation	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10	7	115	
116	Janitor	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	10/A8.10	8	116	
117	Closet	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10 SIM	9	117	
118A	Employee Room	3'-0" x 7'- 0"	A	WD	ST	3	HM	P5	1/A8.10	1/A8.10	5/A8.10	19	118A	
118B	Employee Room	3-0" x 7'-0"	STRFT	ALUM	DARK BRONZE	W10	ALUM	DARK BRONZE			3/A8.10	4	118B	SEE WINDOW TYPE W10
119	Multi-Purpose	3'-0" x 7'- 0"	A	WD	ST	3	HM	P5	1/A8.10	1/A8.10	5/A8.10	10	119	
120	Staff-W	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10	11	120	
121	Staff-M	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10	11	121	
122A	Storage	3'-0" x 7'-0"	A	WD	ST	1	HM	P5	1/A8.10	1/A8.10	10/A8.10	20	122A	
122B	Storage	PR. 3'-0", 2'-8" x 7'-0"	E	HM	EXT P1	4	HM	EXT P1	7/A8.10	7/A8.10	3/A8.10	21	122B	WITH VIEWER
123	F.R.	3'-0" x 7'-0"	A	HM	EXT P1	2	HM	EXT P1	7/A8.10	7/A8.10	3/A8.10	12	123	
124	Elect.	3'-0" x 7'-0"	A	HM	EXT P1	2	HM	EXT P1	7/A8.10	7/A8.10	3/A8.10	12	124	PANIC HARDWARE
125A	Corridor	3-0" x 7'-0"	STRFT	ALUM	DARK BRONZE	W6	ALUM	DARK BRONZE	27/A8.10	27/A8.10	8/A8.10	22	125A	SEE WINDOW TYPE W6
125B	Corridor	3-0" x 7'-0"	STRFT	ALUM	DARK BRONZE	W6	ALUM	DARK BRONZE	27/A8.10	27/A8.10	3/A8.10	22	125B	SEE WINDOW TYPE W6
126	Control	3'-0" x 7'- 0"	A	WD	ST	3	HM	P5	1/A8.10	1/A8.10	5/A8.10	13	126	
127	Turn-In	3'-0" x 7'-0"	B	WD	ST	1	HM	P5	1/A8.10	1/A8.10	5/A8.10	14	127	

NOTE: SEE SHEET A12.01 FOR LOCATIONS AND TYPES OF SIGNAGE

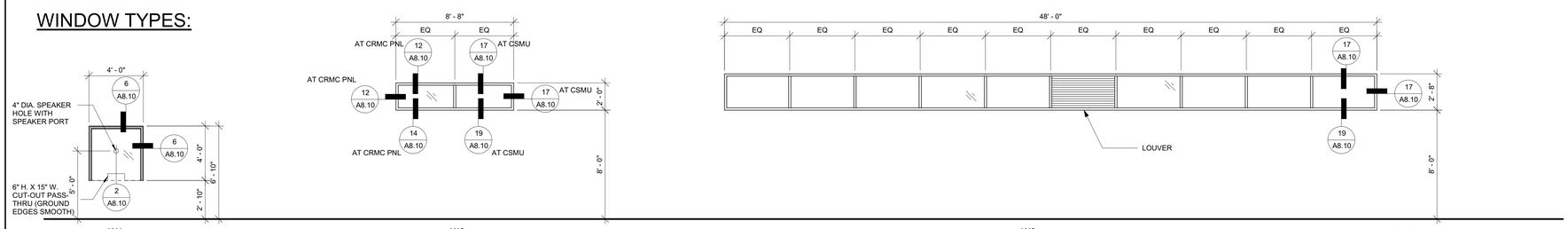
DOOR TYPES:



DOOR FRAME TYPES:

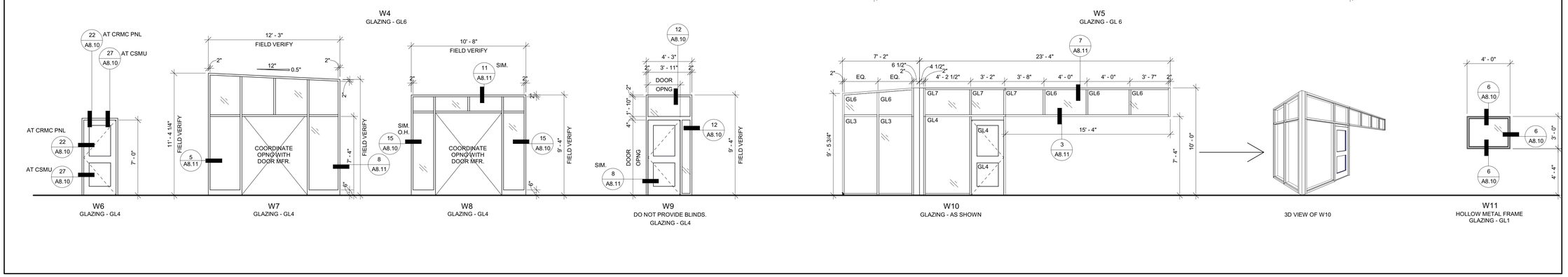


WINDOW TYPES:



GLAZING SCHEDULE:

GL1 = 1/2" MIRROR GLASS
GL2 = 1" INSULATING CLEAR LOW E GLAZING WITH FROSTED GLASS ON 3RD FACE.
GL3 = 1" INSULATING CLEAR LOW E GLAZING
GL4 = 1" INSULATING CLEAR LOW E GLAZING TEMPERED
GL5 = 1/4" TEMPERED GLASS
GL6 = ACID-ETCHED SATIN, 1" INSULATING CLEAR LOW E GLAZING
GL7 = ACID-ETCHED SATIN, 1" INSULATING CLEAR LOW E GLAZING TEMPERED
GL8 = 1" INSULATING CLEAR LOW E GLAZING WITH SPANDREL



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AGENCY APPROVAL

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12/07/21
20-1059
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Dover Parkway, Delano

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CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

REGISTERED ARCHITECT — RICHARD A. LEWIS — No. C-27624 — Dec 31, 2021 — STATE OF CALIFORNIA

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

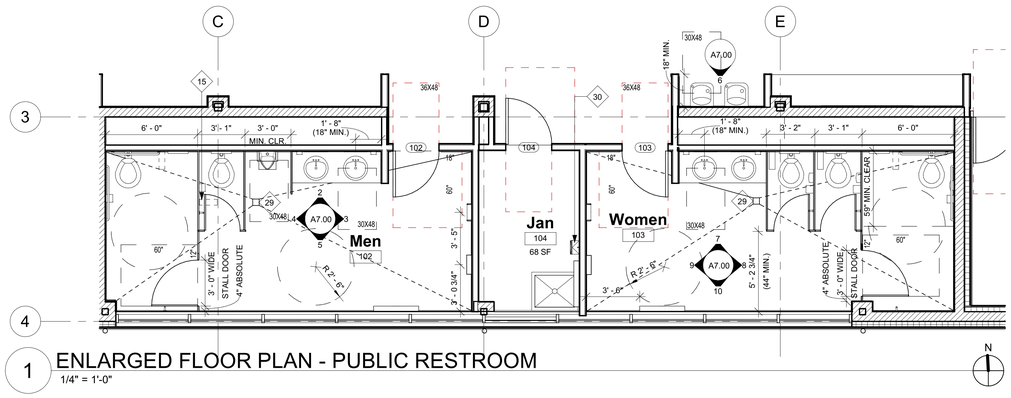
DOOR AND WINDOW SCHEDULE

SHEET NO.

A6.00

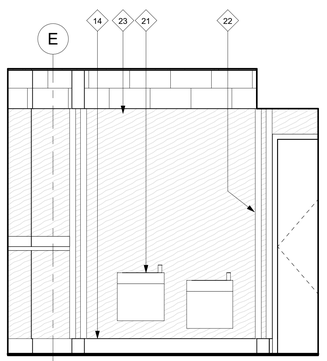
ISSUE DATE: JULY 2019

V3



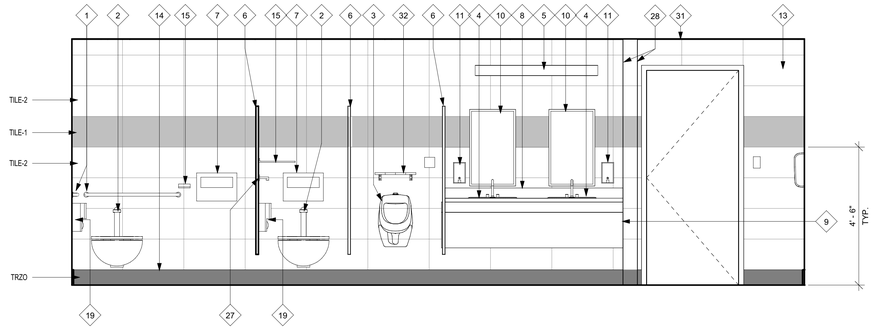
1 ENLARGED FLOOR PLAN - PUBLIC RESTROOM

1/4" = 1'-0"



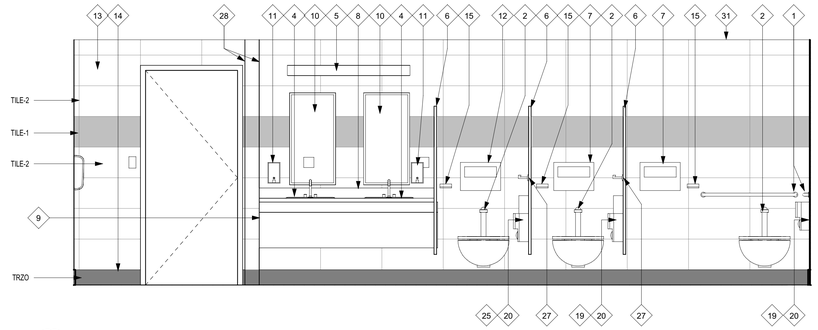
6 ELEVATION -- DRINKING FOUNTAINS

1/2" = 1'-0"



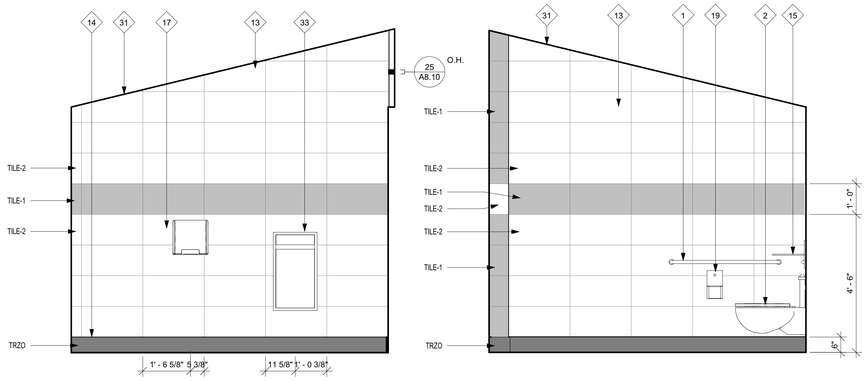
2 ELEVATION --MEN'S RR NORTH

1/2" = 1'-0"



7 ELEVATION -- WOMEN'S RR NORTH

1/2" = 1'-0"

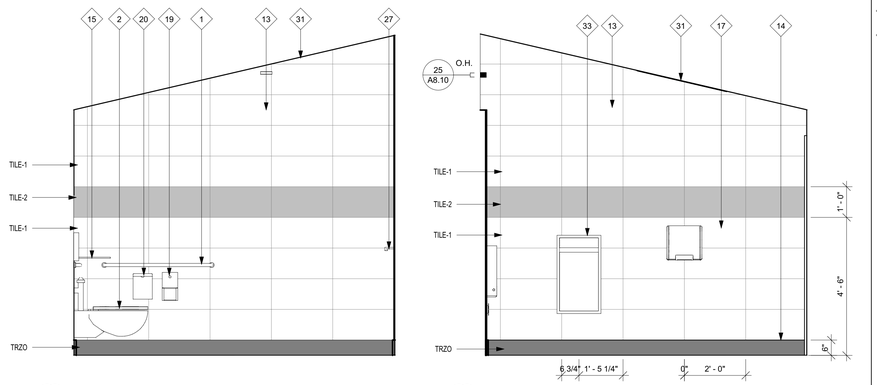


3 ELEVATION --MEN'S RR EAST

1/2" = 1'-0"

4 ELEVATION --MEN'S RR WEST

1/2" = 1'-0"

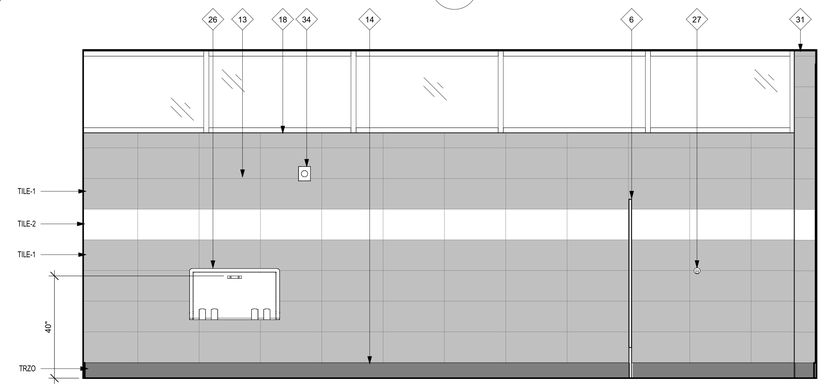


8 ELEVATION --WOMEN'S RR EAST

1/2" = 1'-0"

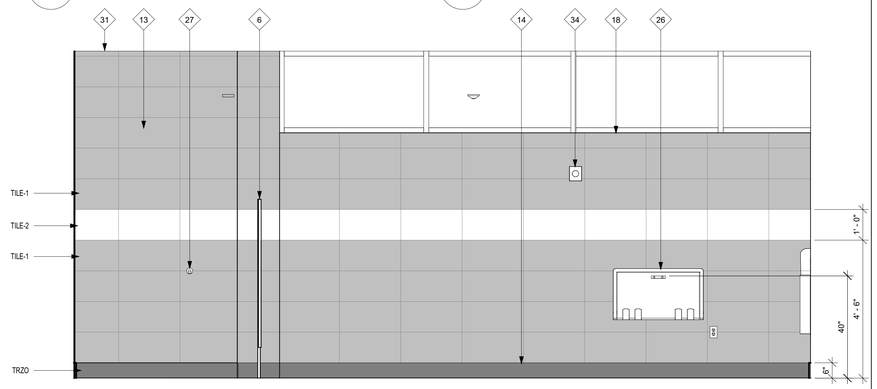
9 ELEVATION --WOMEN'S RR WEST

1/2" = 1'-0"



5 ELEVATION --MEN'S RR SOUTH

1/2" = 1'-0"



10 ELEVATION --WOMEN'S RR SOUTH

1/2" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO SHEET A7.00 and A7.01 ONLY

(XX): SEE ACCESSORY SCHEDULE SPECIFICATION SECTION 10 28 00

1	GRAB BAR (GB)
2	WATER CLOSET, SEE PLUMBING DRAWINGS.
3	URINAL, SEE PLUMBING DRAWINGS.
4	LAVATORY, SEE PLUMBING DRAWINGS.
5	LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
6	FLOOR-MOUNTED OVERHEAD BRACED SOLID PLASTIC TOILET PARTITION, TYP.
7	TOILET SEAT COVER DISPENSER AT EACH STALL. (TSCD)
8	SOLID SURFACE COUNTERTOP AND BACKSPLASH.
9	REMOVABLE PLASTIC LAMINATE PIPE GUARD, SEE DETAIL 5/A8.40. PLAM-2, SEE FINISH SCHEDULE
10	FRAMED MIRROR. (ERM, PRM FLM)
11	WALL-MOUNTED SOAP DISPENSER. (SDW)
12	TOILET SEAT COVER DISPENSER AT THIS STALL IN WOMEN'S RR ONLY. (TSCD)
13	CERAMIC TILE, SEE FINISH SCHEDULE
14	TERRAZZO BASE, TYP.
15	FOLDING UTILITY SHELF (FUS). PROTRUSION FROM WALL IN THE FOLDED POSITION SHALL BE < 4". TOP OF SHELF: 40" A.F.F.
16	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE. (PTD)
17	ELECTRIC HAND DRYER. (HD)
18	SOLID SURFACE SILL, SOSU-1.
19	TOILET PAPER DISPENSER AT EACH STALL. (TPD)
20	SANITARY NAPKIN DISPOSAL AT EACH STALL AT WOMEN'S RR ONLY. (SND)
21	BI-LEVEL DRINKING FOUNTAIN.
22	SS CORNER GUARDS AT ALL EXTERIOR CORNERS.
23	FRL-1 FINISH, SEE FINISH SCHEDULE.
24	RUBBER BASE (RB-1), SEE FINISH SCHEDULE
25	TOILET PAPER DISPENSER AT THIS STALL IN WOMEN'S RR ONLY. (TPD)
26	BABY CHANGING STATION. (BC)
27	CLOTHES HOOK WITH BUMPER IN EACH TOILET COMPARTMENT. MOUNT MAX. 40" A.F.F. (CH)
28	ALUMINUM TILE WALL/FLOOR COVE PROFILE (SCHL), SEE FINISH SCHED.
29	FLOOR DRAIN. SLOPE TERRAZZO / TILE FLOOR 1/8" PER 1'-0" TO DRAIN. SEE PLUMBING PLAN
30	PAPER TOWERL DISPENSER (JPTD)
31	ALUMINUM EDGE PROTECTION PROFILE AT WALL TILE/GYP. BD. CEILING INTERSECTION. 09 30 50
32	STAINLESS STEEL SHELF (SSS)
33	RECESSED WASTE RECEPTACLE (RWR)
34	WALL-MOUNTED EMERGENCY STROBE LIGHT. SEE ELECTRICAL PLAN.

SHEET NOTES:

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1. FOR PARTITION TYPES, SEE SHEET A8.00.
2. FOR MOUNTING HEIGHTS AND CLEARANCES OF ALL ACCESSORIES SEE SHEET A8.30
3. FOR DOOR AND WINDOW SCHEDULE, SEE SHEET A6.00.
4. FOR CASEWORK DETAILS SEE SHEET A8.40
5. FOR FURNITURE AND EQUIPMENT, SEE SHEET A10.00.
6. FOR FINISH SCHEDULE AND PLAN, SEE SHEET A11 SERIES.
7. FOR WALL AND OPENING LOCATIONS, SEE DIMENSION PLAN ON SHEET A1.02.
8. ALL DIMENSIONS ARE GIVEN FROM FACE OF STRUCTURE (CONCRETE, BLOCK, STUD) OR CENTERLINE OF PARTITION UNLESS OTHERWISE NOTED.

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CONSULTANT

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www.nachtlewis.com
P 916.329.4000

REGISTERED ARCHITECT MICHAEL J. NACHT No. C-27624 Dec 31, 2021 STATE OF CALIFORNIA

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

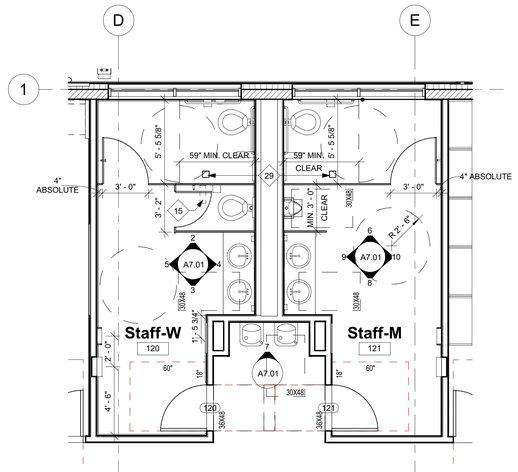
ENLARGED FLOOR PLANS - PUBLIC RESTROOM

SHEET NO.

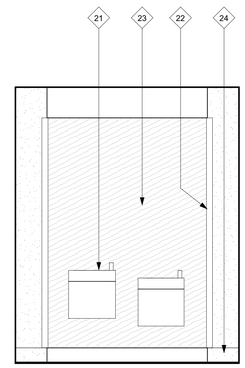
A7.00

ISSUE DATE: JULY 2019 V3

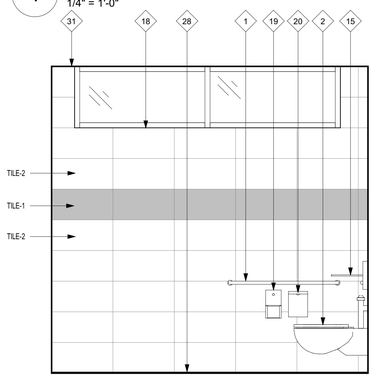
ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT



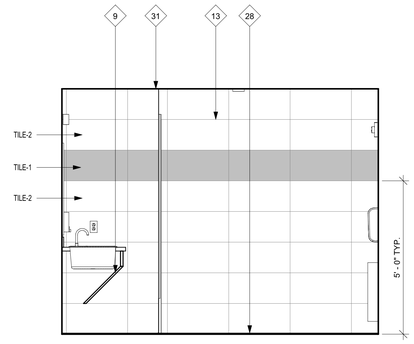
1 ENLARGED FLOOR PLAN - STAFF RESTROOM
1/4" = 1'-0"



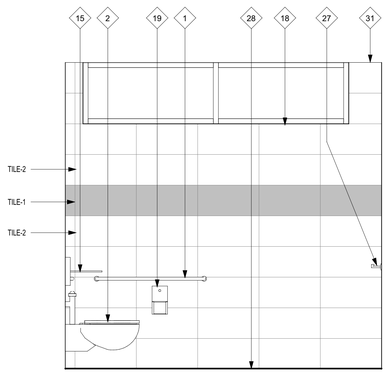
7 ELEVATION -- STAFF DRINKING FOUNTAINS
1/2" = 1'-0"



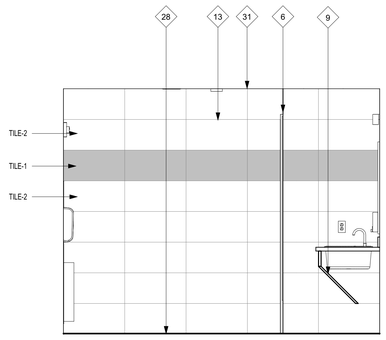
2 ELEVATION -- WOMEN'S STAFF RR N
1/2" = 1'-0"



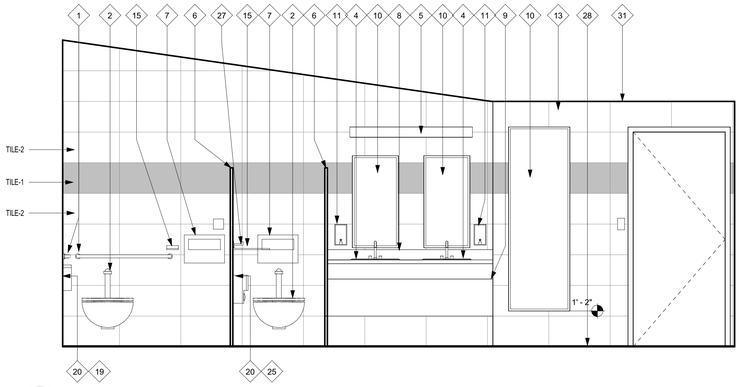
3 ELEVATION -- WOMEN'S STAFF RR S
1/2" = 1'-0"



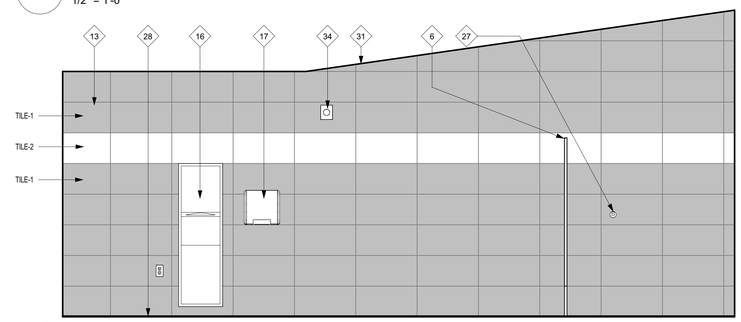
6 ELEVATION -- MEN'S STAFF RR N
1/2" = 1'-0"



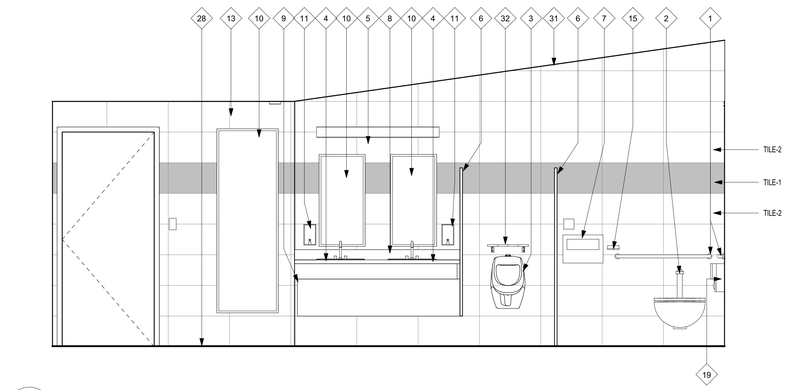
8 ELEVATION -- MEN'S STAFF RR S
1/2" = 1'-0"



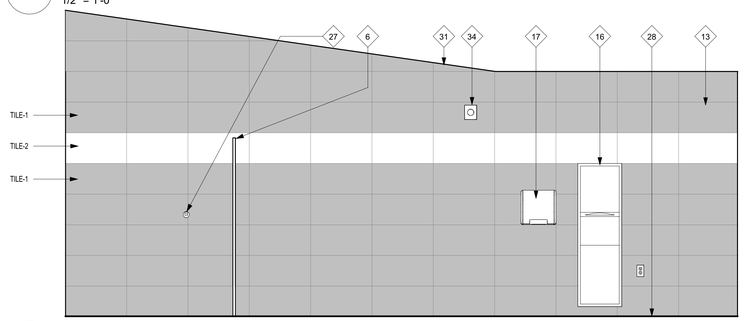
4 ELEVATION -- WOMEN'S STAFF RR E
1/2" = 1'-0"



5 ELEVATION -- WOMEN'S STAFF RR W
1/2" = 1'-0"



9 ELEVATION -- MEN'S STAFF RR W
1/2" = 1'-0"



10 ELEVATION -- MEN'S STAFF RR E
1/2" = 1'-0"

KEYNOTES:

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4. LAVATORY, SEE PLUMBING DRAWINGS.
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30. PAPER TOWERL DISPENSER (JPTD)
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CONSULTANT

nacht&lewis
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No. C-27624
Dec 31, 2021

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

ENLARGED FLOOR PLAN - STAFF RESTROOM

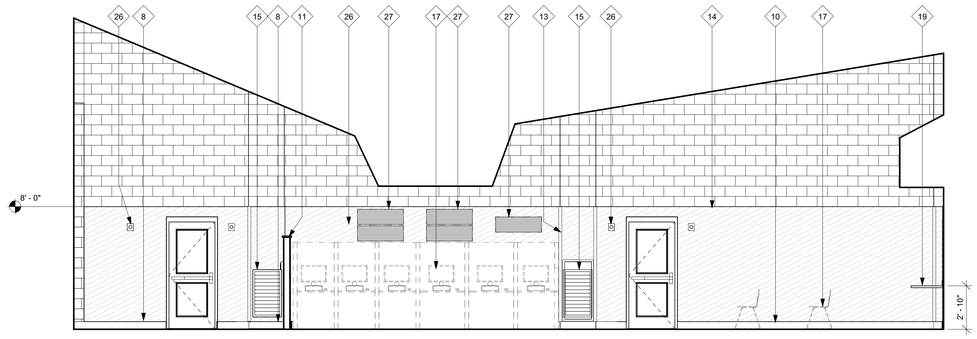
SHEET NO.

A7.01

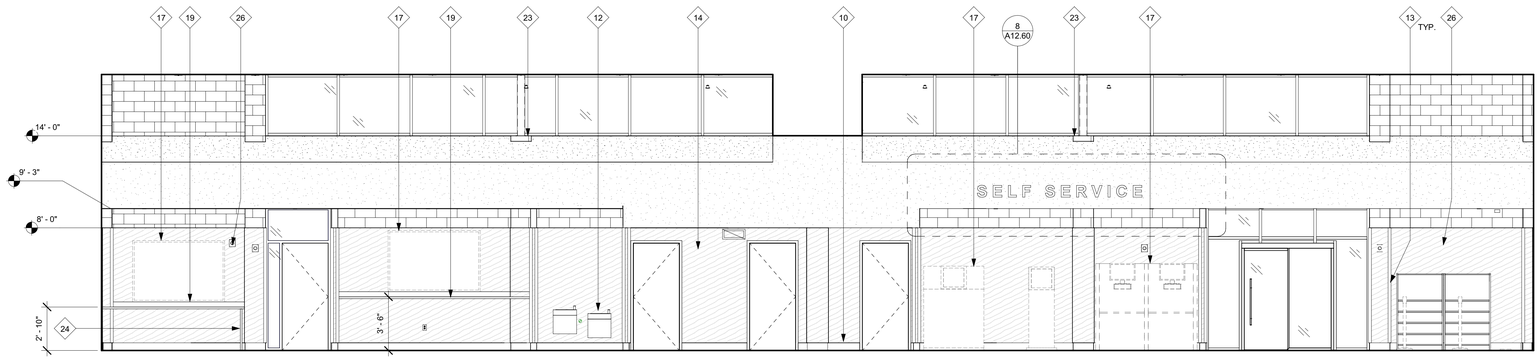
ISSUE DATE: JULY , 2019

V3

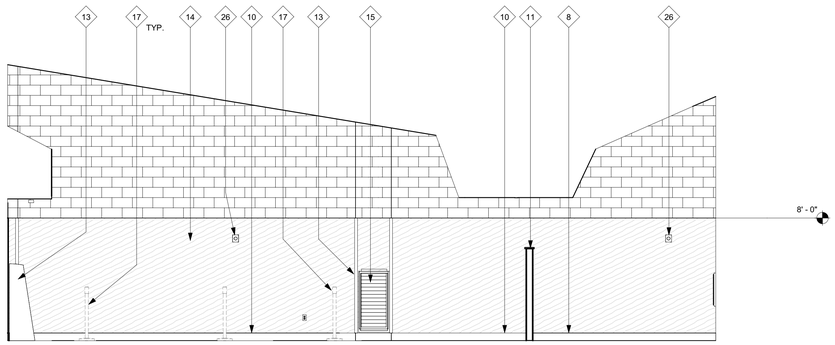
ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



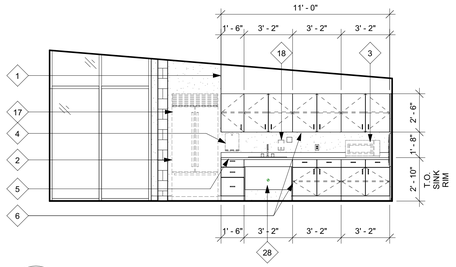
1 PUBLIC AREA - EAST
1/4" = 1'-0"



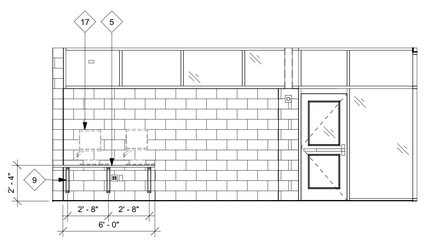
2 PUBLIC AREA - SOUTH
1/4" = 1'-0"



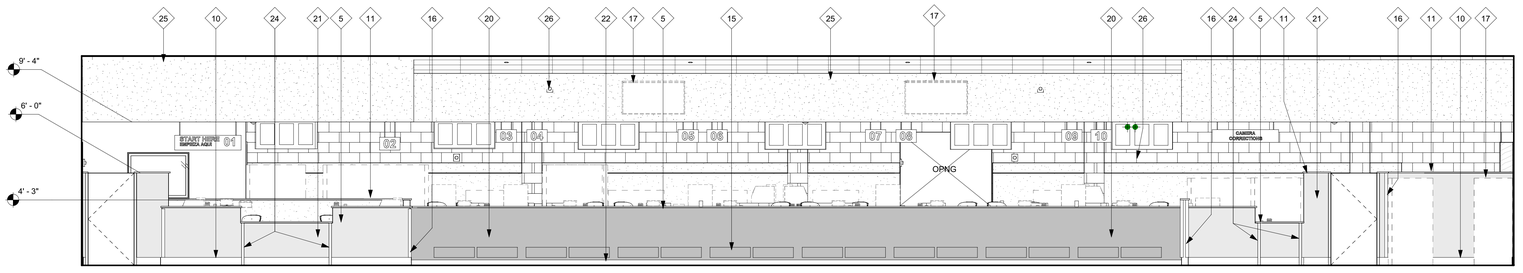
3 PUBLIC AREA - WEST
1/4" = 1'-0"



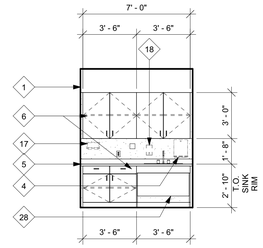
4 EMPLOYEE ROOM - EAST
1/4" = 1'-0"



5 EMPLOYEE ROOM - NORTH
1/4" = 1'-0"



6 PUBLIC AREA - NORTH
1/4" = 1'-0"



7 LACTATION
1/4" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. PLASTIC LAMINATE CLOSURE PANEL, PLAM-1. SEE A11.10 FOR FINISH SCHEDULE.
2. OFOI REFRIGERATOR. SEE SHEET A10.00 FOR EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS AND PLUMBING SHEETS FOR WATER SUPPLY.
3. OFOI MICROWAVE. SEE SHEET A10.00 FOR EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
4. AUTOMATIC PAPER TOWEL DISPENSER. 10 28 00
5. SOLID SURFACE COUNTERTOP AND 4" BACKSPLASH (WHERE SHOWN), SOSU. SEE A11.10 FOR FINISH SCHEDULE.
6. PLASTIC LAMINATE FINISH, PLAM-1. SEE A11.10 FOR FINISH SCHEDULE.
7. CASEWORK OPEN FOR ACCESSIBILITY. SEE DETAIL 4/A8.40.
8. 6" RUBBER BASE. SEE A11.10 FOR FINISH SCHEDULE.
9. STAINLESS STEEL COUNTER SUPPORT BRACKET. SEE DETAIL 11/A8.40.
10. 6" TERRAZZO BASE, TYP. SEE DETAIL 8/A3.1.
11. SOLID SURFACE WALL CAP, SOSU-1. SEE FINISH SCHEDULE AND 11/A8.00.
12. BI-LEVEL DRINKING FOUNTAIN.
13. SS CORNER GUARDS AT ALL EXTERIOR CORNERS.
14. FRL-1 FINISH, SEE FINISH SCHEDULE.
15. MECHANICAL REGISTER. SEE MECHANICAL DRAWINGS.
16. SS CORNER GUARD, CUSTOM HEIGHT.
17. FURNITURE/EQUIPMENT SHOWN DASHED. SEE SHEET A10.00.
18. WALL MOUNTED SOAP DISPENSER.
19. WRITING COUNTERTOP. SEE 11/A8.40.
20. FRL-2 FINISH, SEE FINISH SCHEDULE.
21. FRL-3 FINISH, SEE FINISH SCHEDULE.
22. 4" TERRAZZO BASE THIS WALL ONLY. SEE DETAIL 8/A3.1.
23. WRAP CMU PILASTER WITH 5/8" GYP BOARD.
24. COUNTERTOP SUPPORT. SEE DETAIL 11/A8.40
25. P4 ACCENT PAINT, SEE FINISH SCHEDULE.
26. ELECTRICAL DEVICE/STROBE LIGHT, SEE ELECTRICAL DRAWINGS.
27. SIGNAGE SHOWN GRAY FOR REFERENCE. SEE SHEET A12.01.
28. PLASTIC LAMINATE PIPEGUARD. SEE DETAIL 5/A8.40.

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No. C-27624
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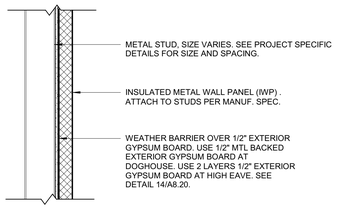
SHEET TITLE

INTERIOR ELEVATIONS

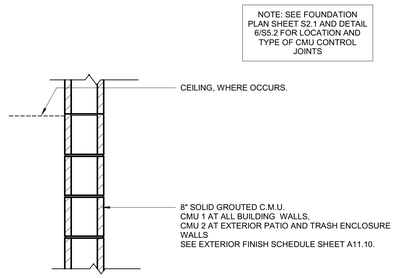
SHEET NO.

A7.50

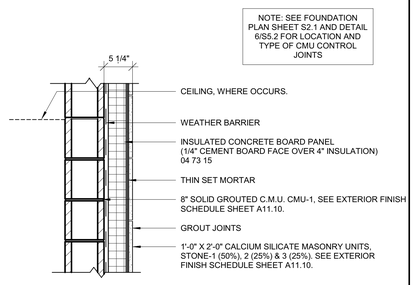
ISSUE DATE: JULY , 2020 V3



9 INSULATED METAL WALL PANEL
1" = 1'-0"

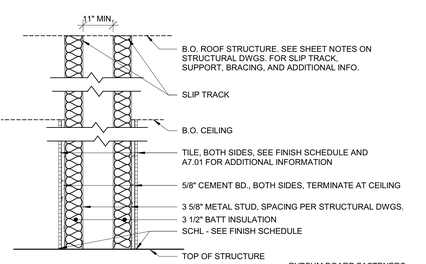


5 CMU WALL
1" = 1'-0"

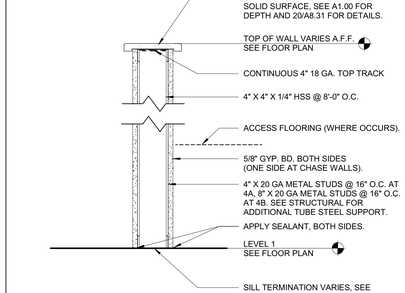


1 CSMU @ CMU WALL
1" = 1'-0"

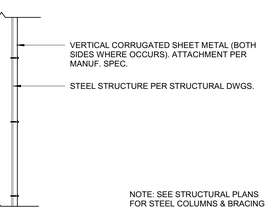
10 PARTIAL HEIGHT CHASE WALL
1" = 1'-0"



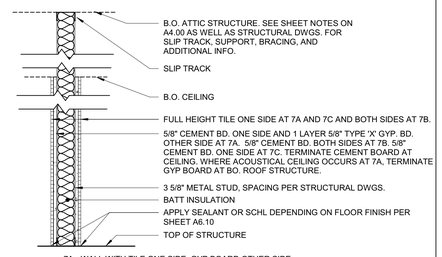
6 3 5/8" FULL HEIGHT ACOUSTICAL PARTITION AT RESTROOM
1" = 1'-0"



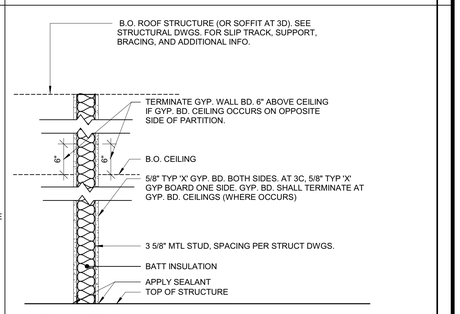
2 SCFS @ CMU WALL
1" = 1'-0"



11 SCREEN WALL
1" = 1'-0"



7 3 5/8" FULL HEIGHT PARTITION WITH TILE
1" = 1'-0"



3 3 5/8" PARTITION
1" = 1'-0"

8 3 5/8" FULL HEIGHT CHASE WALL AT BACK TO BACK PLUMBING WITH TILE
1" = 1'-0"

4 PARTIAL HEIGHT PARTITION
1 1/2" = 1'-0"

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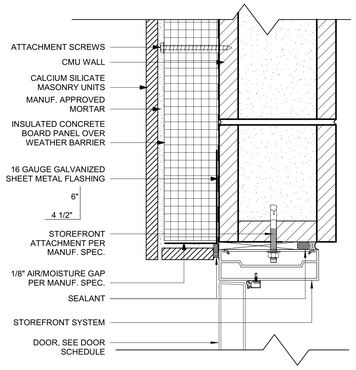
PARTITION TYPES

SHEET NO.

A8.00

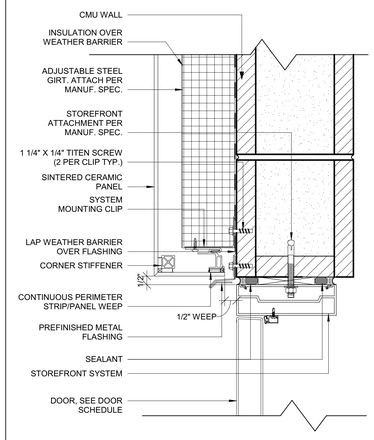
ISSUE DATE: JULY 2020 V3

NOTE: THE CLOSED CELL END OF THE MASONRY UNIT SHALL BE USED AT THE HEADS AND JAMBS OF ALL DOOR OPENINGS.



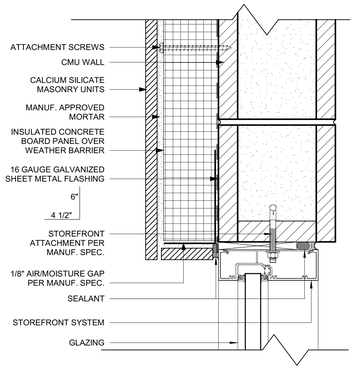
27 CSMU @ STRFT DOOR HEAD
3" = 1'-0" JAMB SIMILAR

NOTE: THE CLOSED CELL END OF THE MASONRY UNIT SHALL BE USED AT THE HEADS AND JAMBS OF ALL DOOR OPENINGS.



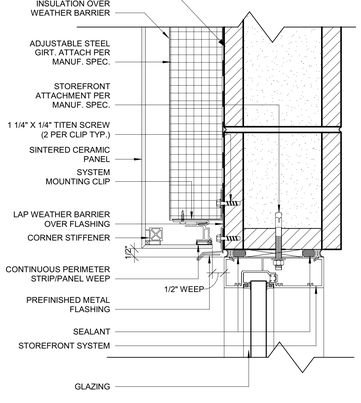
22 SCFS AT STRFT DOOR HEAD
3" = 1'-0" JAMB SIMILAR

NOTE: THE CLOSED CELL END OF THE MASONRY UNIT SHALL BE USED AT THE HEADS AND JAMBS OF ALL WINDOW OPENINGS.

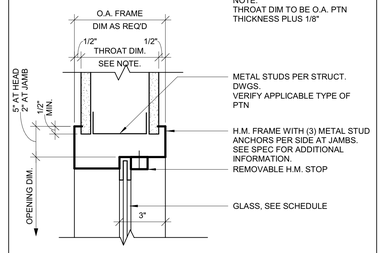


17 CSMU @ WINDOW HEAD
3" = 1'-0" JAMB SIMILAR

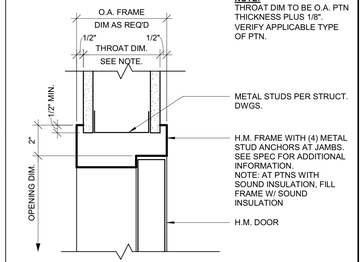
NOTE: THE CLOSED CELL END OF THE MASONRY UNIT SHALL BE USED AT THE HEADS AND JAMBS OF ALL WINDOW OPENINGS.



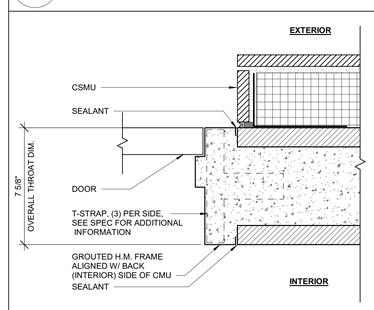
12 SCFS @ WINDOW HEAD
3" = 1'-0" JAMB SIMILAR



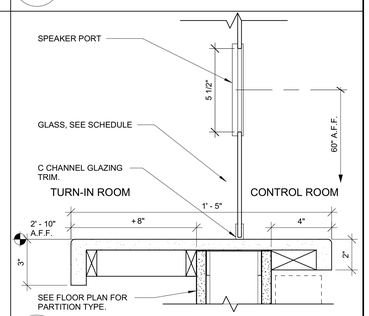
6 GLAZING HEAD/JAMB AT METAL STUD PARTITION
3" = 1'-0"



1 DOOR HEAD/JAMBS AT METAL STUD PARTITION
3" = 1'-0"



7 EXT. GROUTED JAMB - HEAD SIM.
3" = 1'-0"

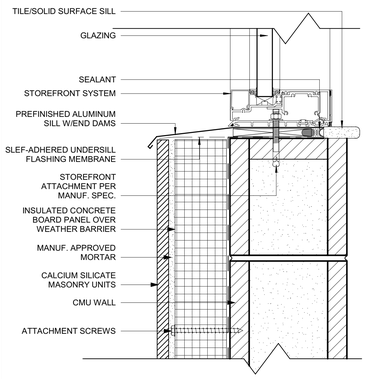


2 TRANSACTION WINDOW
3" = 1'-0"

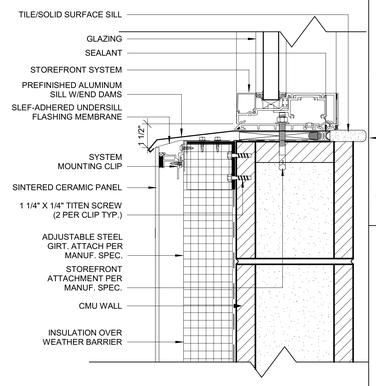
NOTE: THE CLOSED CELL END OF THE MASONRY UNIT SHALL BE USED AT THE HEADS AND JAMBS OF ALL WINDOW OPENINGS.

28 SCFS JAMB @ CLERESTORY
3" = 1'-0"

24 CLERESTORY SILL
3" = 1'-0"



19 CSMU @ WINDOW SILL
3" = 1'-0"

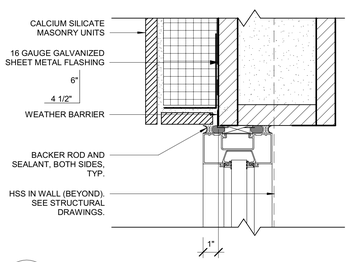


14 SCFS @ WINDOW SILL
3" = 1'-0"

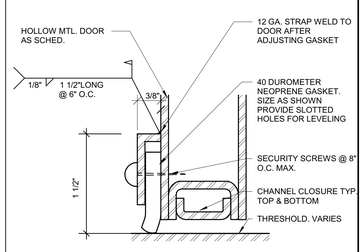
8 SILL-EXTERIOR ACCESSIBLE AT WALK OFF MAT
3" = 1'-0"

3 SILL-TYP. EXTERIOR ACCESSIBLE
3" = 1'-0"

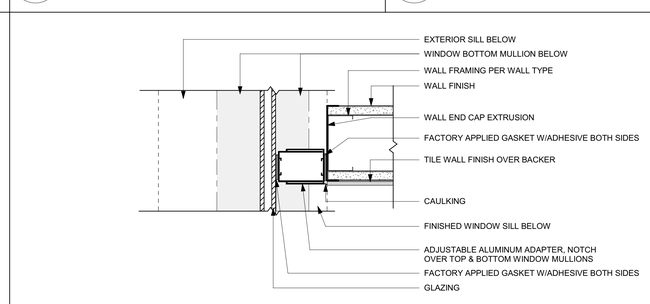
NOTE: THE CLOSED CELL END OF THE MASONRY UNIT SHALL BE USED AT THE HEADS AND JAMBS OF ALL WINDOW OPENINGS.



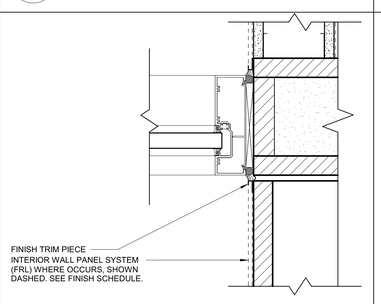
29 CSMU JAMB @ CLERESTORY
3" = 1'-0"



4 SPECIAL DOOR SWEEP
NOT TO SCALE



25 PARTITION AT GLAZING
3" = 1'-0"



15 JAMB AT W8/DOOR 101B
3" = 1'-0"

10 SILL CARPET/SHEET FLOORING TO CONC./TERRAZZO
3" = 1'-0"

5 SILL - CONTINUATION OF FINISH
3" = 1'-0"

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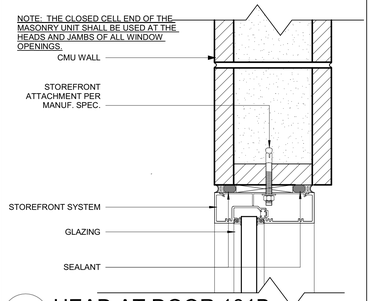
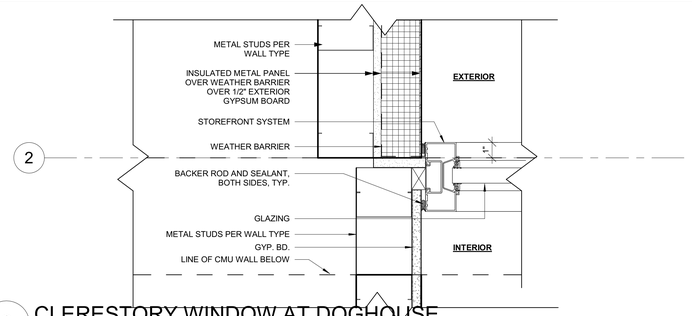
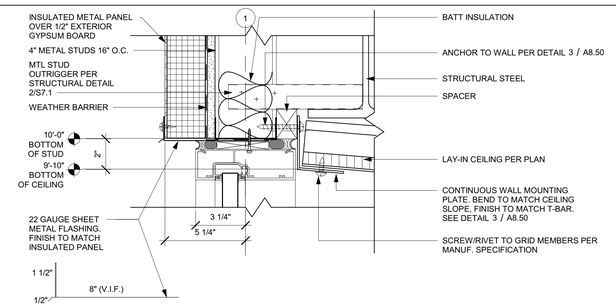
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



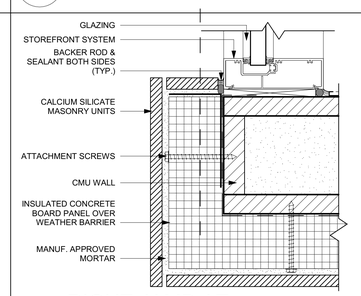
11 HEAD AT DOOR 101B
3" = 1'-0" JAMB SIMILAR



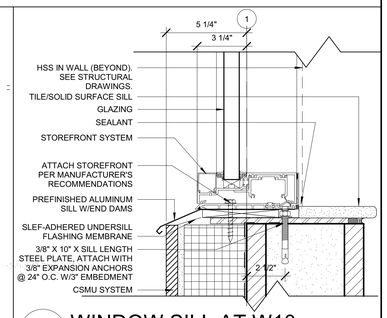
2 6 CLERESTORY WINDOW AT DOGHOUSE
3" = 1'-0"



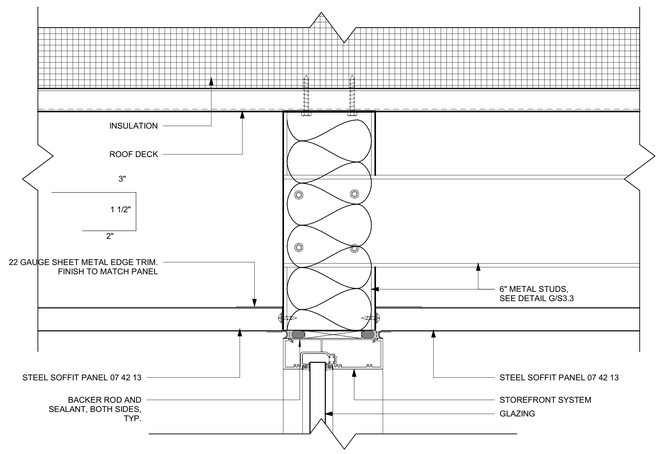
7 WINDOW HEAD AT W10
3" = 1'-0"



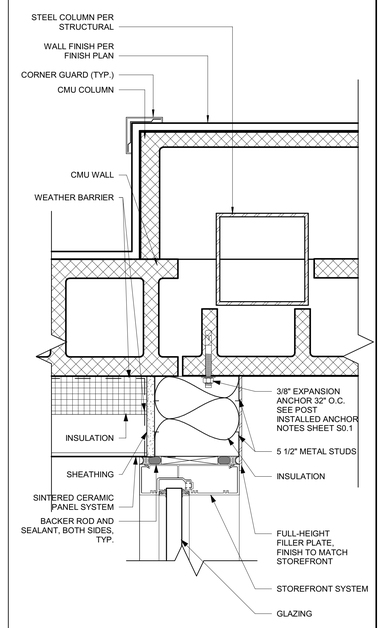
8 RIGHT JAMB AT W7/DOOR 101A
3" = 1'-0"



3 WINDOW SILL AT W10
3" = 1'-0"



15 HEAD AT W7/DOOR 101A
3" = 1'-0"



5 LEFT JAMB AT W7/DOOR 101A
3" = 1'-0"

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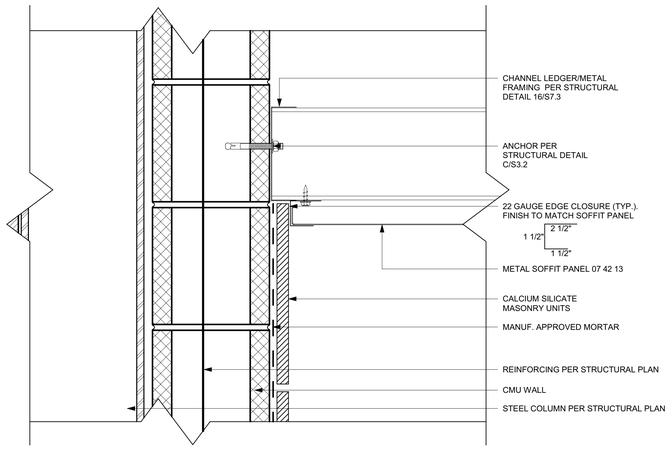
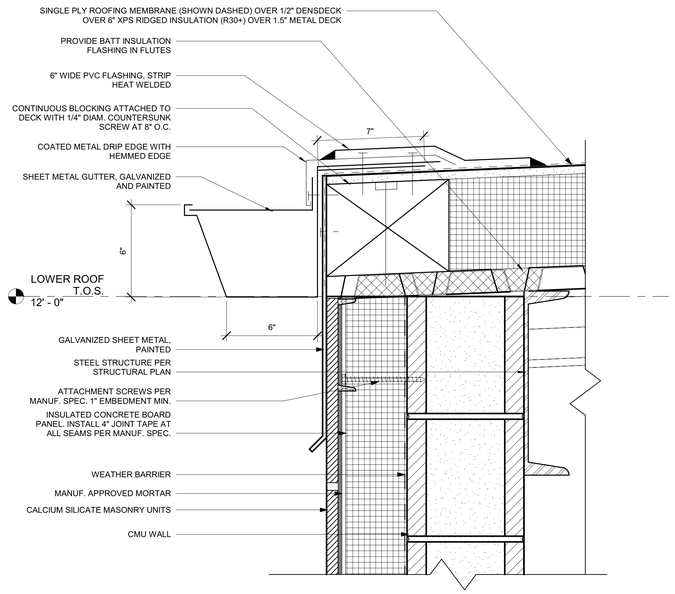
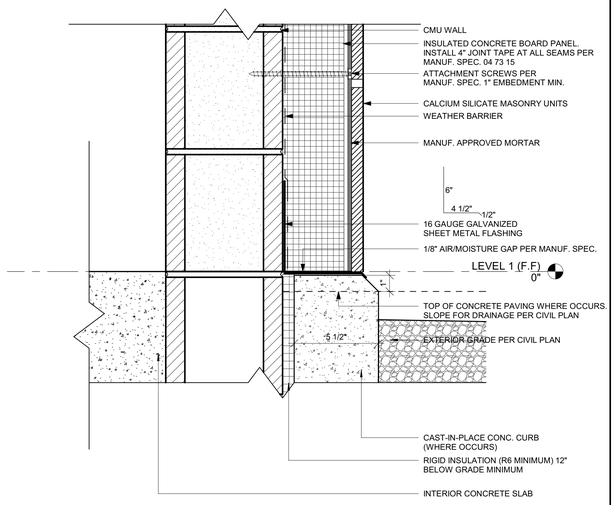
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 6 12
ONE INCH = ONE FOOT 0 6 12
ONE-HALF INCH = ONE FOOT 0 6 12



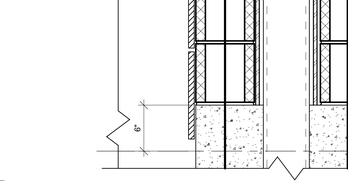
27 CANOPY COLUMN CSMU @ SOFFIT
3" = 1'-0"



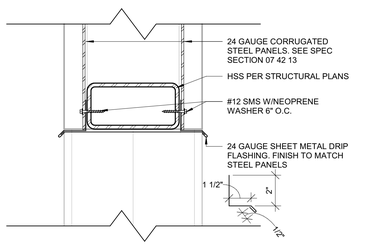
17 CSMU @ ROOF
3" = 1'-0"



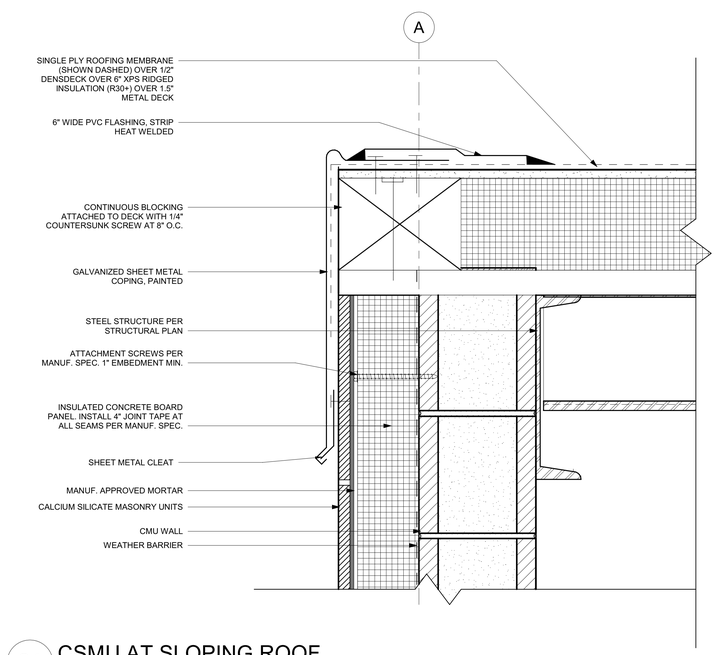
7 CSMU @ GRADE
3" = 1'-0"



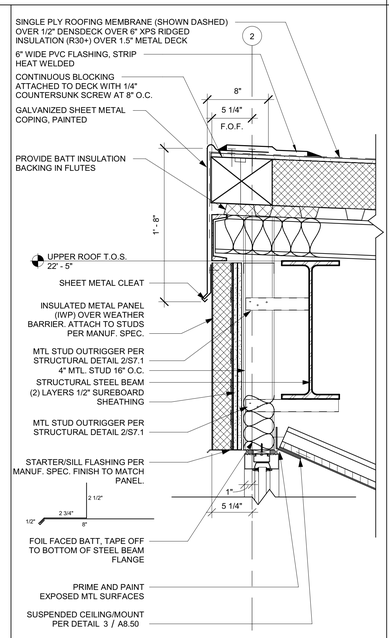
28 SCREEN WALL JAMB/END
3" = 1'-0"



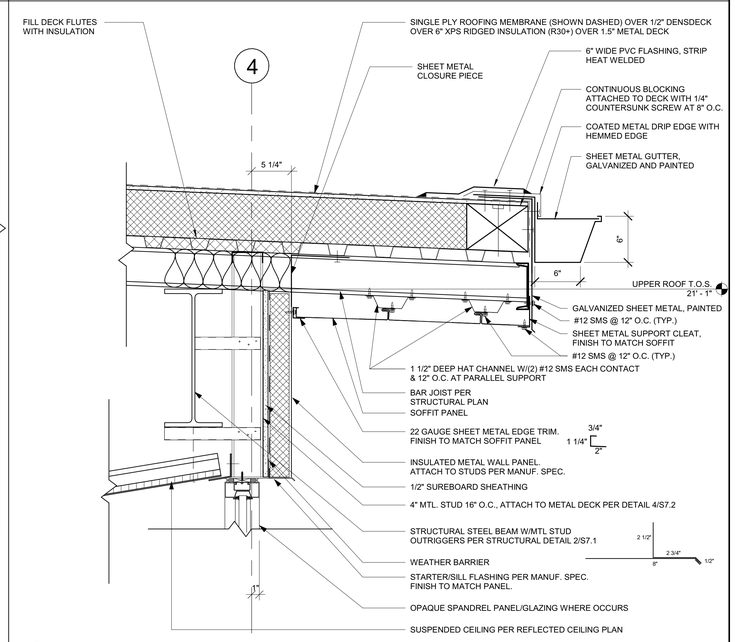
29 SCREEN WALL OPENING HEAD
3" = 1'-0"



24 CSMU AT SLOPING ROOF
3" = 1'-0"



14 HIGH EAVE AT UPPER ROOF
1 1/2" = 1'-0"



9 UPPER ROOF EAVE
1 1/2" = 1'-0"

30 DRIVING TEST AREA CANOPY COLUMN BASE (TYP.)
1 1/2" = 1'-0"

20 CSMU OUTSIDE CORNER
3" = 1'-0"

10 CSMU INSIDE CORNER
3" = 1'-0"

IDENTIFICATION STAMP
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SS ☐ FLS ☐ ACS ☒
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Dover Parkway, Delano

California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

No. C-27624 Dec 31, 2021
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

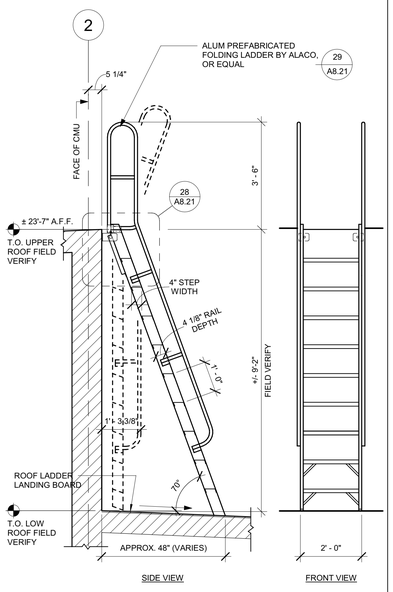
NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

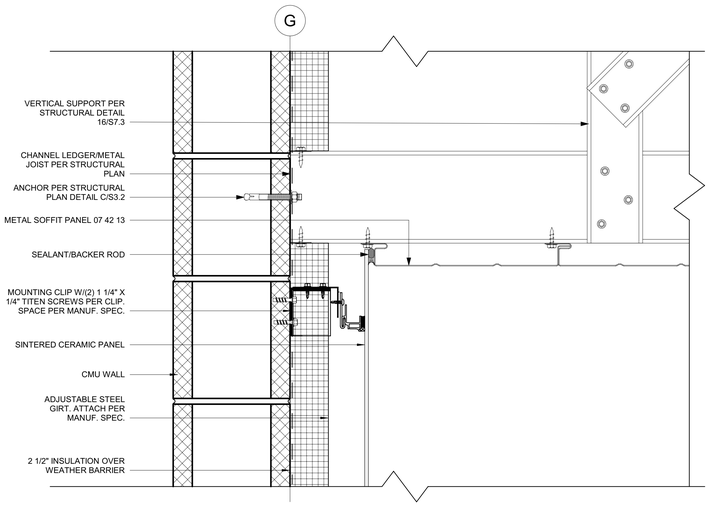
EXTERIOR DETAILS

SHEET NO.
A8.20

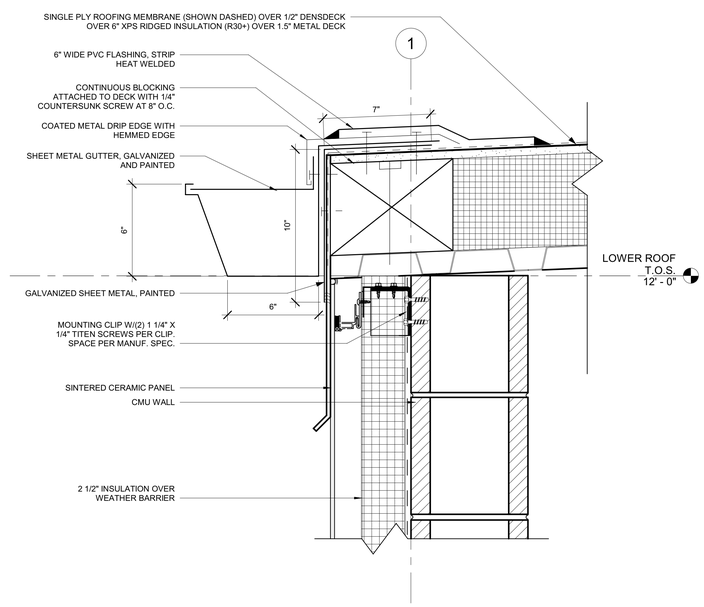
ISSUE DATE: JULY, 2020 V3



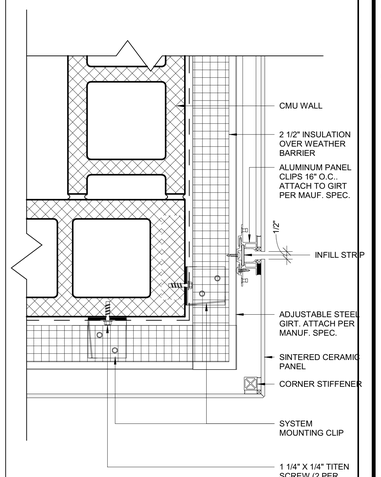
27 FOLDING LADDER ELEVATIONS
1/2" = 1'-0"



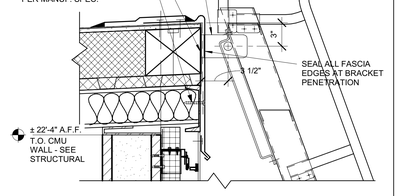
22 SCFS @ SOFFIT
3" = 1'-0"



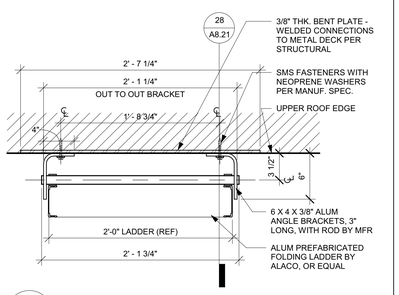
12 SCFS @ ROOF/GUTTER
3" = 1'-0"



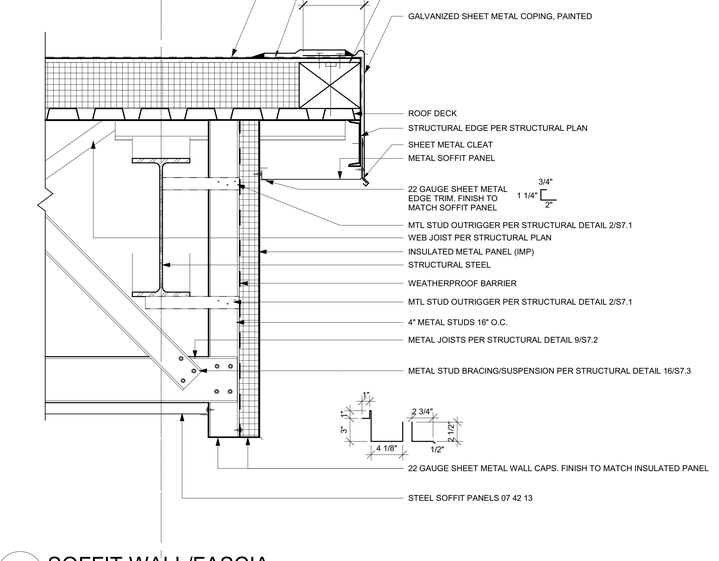
2 SCFS OUTSIDE CORNER
3" = 1'-0"



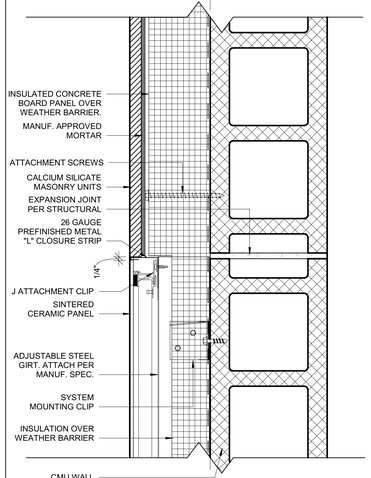
28 FOLDING LADDER - SUPPORT
1 1/2" = 1'-0"



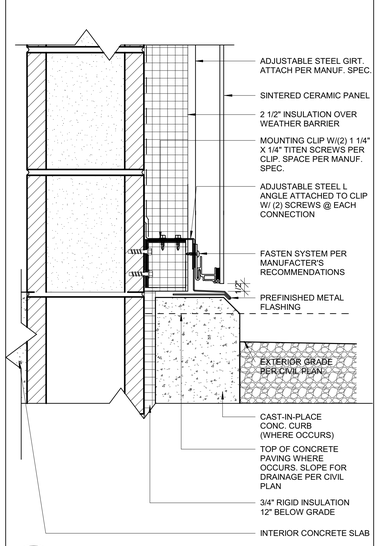
29 FOLDING LADDER TOP VIEW
1 1/2" = 1'-0"



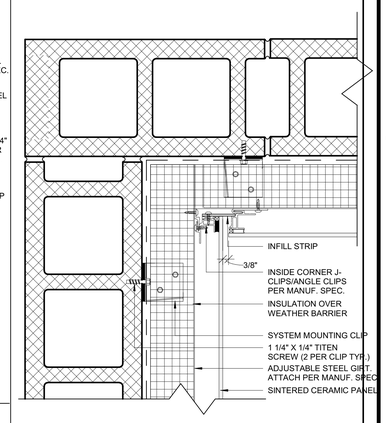
24 SOFFIT WALL/FASCIA
1 1/2" = 1'-0"



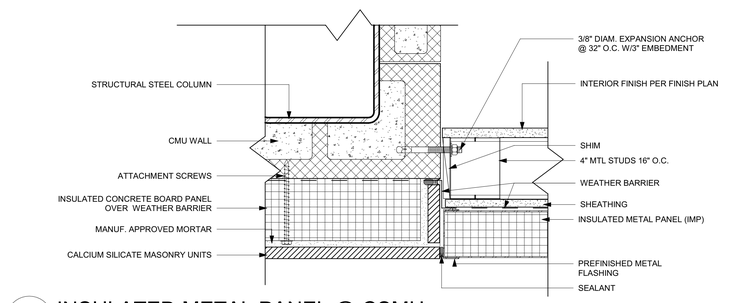
14 CSMU TO SCFS TRANSITION
3" = 1'-0"



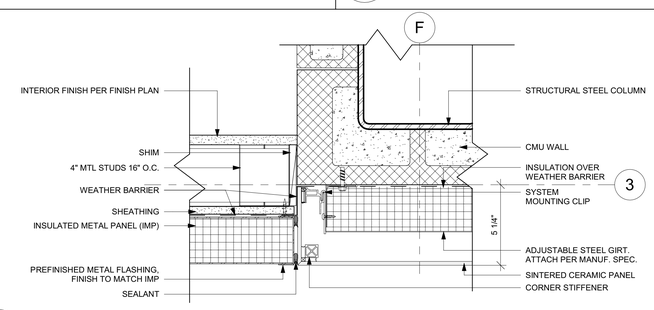
9 SCFS @ BASE OF WALL
3" = 1'-0"



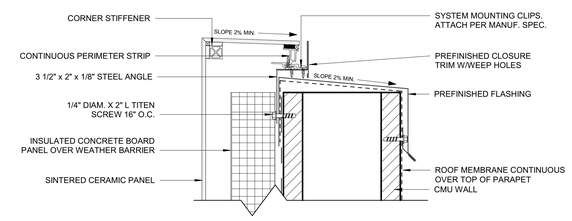
4 SCFS INSIDE CORNER
3" = 1'-0"



30 INSULATED METAL PANEL @ CSMU
3" = 1'-0"



20 INSULATED METAL PANEL @ SCFS
3" = 1'-0"



10 SCFS @ PARAPET
3" = 1'-0"

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www.nachtlewis.com
P 916.329.4000

No. C-27624
Dec 31, 2021
REGISTERED ARCHITECT
STATE OF CALIFORNIA
ARCHITECT

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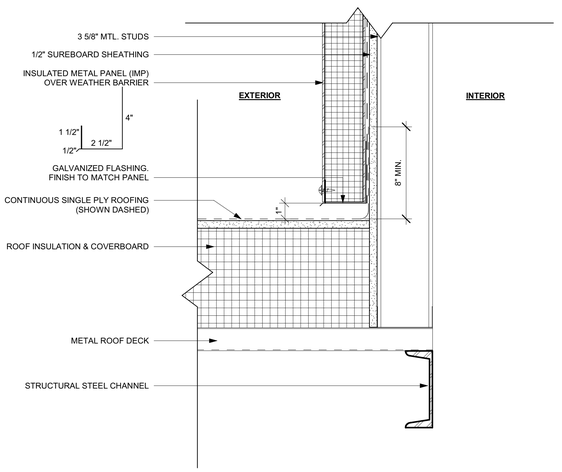
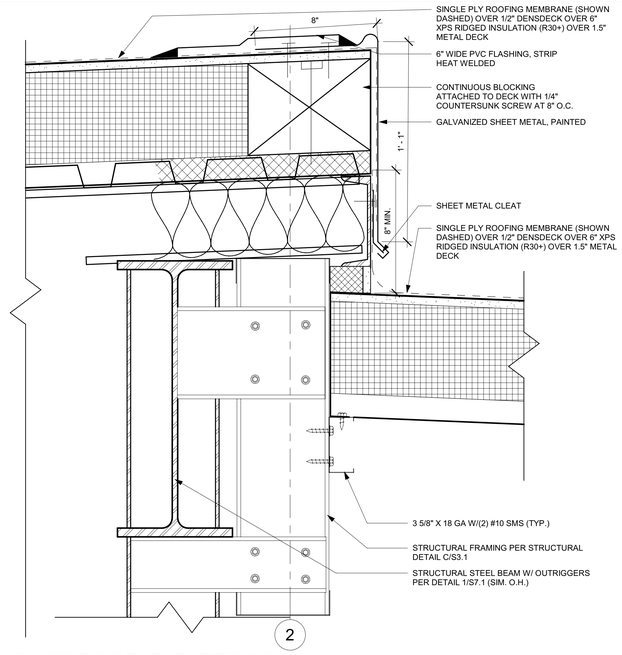
SHEET NO.
A8.21

ISSUE DATE: JULY 2020
V3

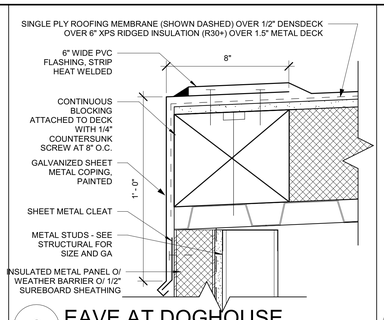


27 DOGHOUSE WALL BASE @ ROOF
3" = 1'-0"

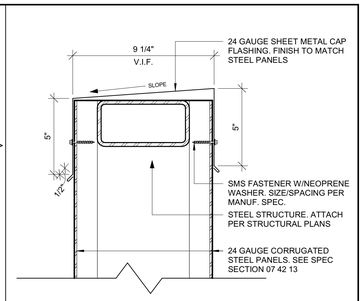


2

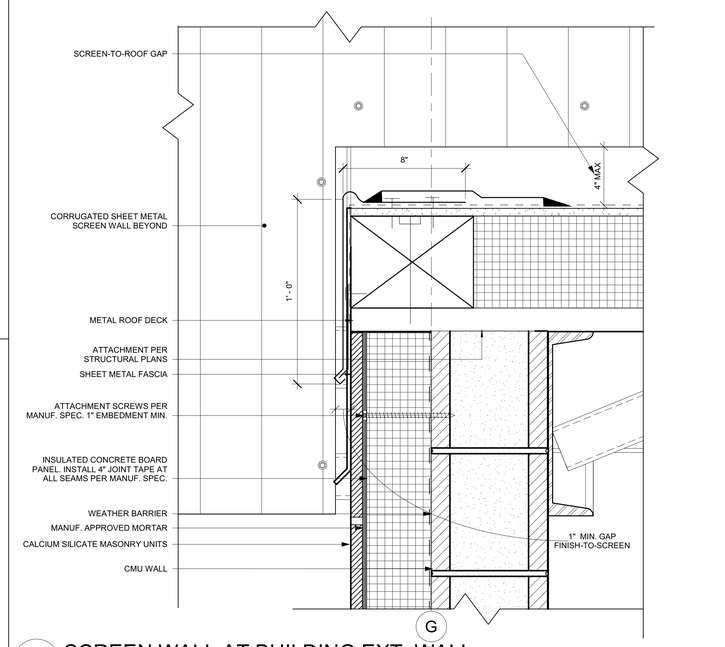
17 DOGHOUSE ROOF @ EXTERIOR WALL
3" = 1'-0"



6 EAVE AT DOGHOUSE
3" = 1'-0"

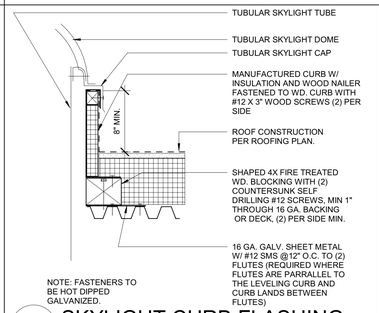


1 SCREEN WALL TOP
3" = 1'-0"

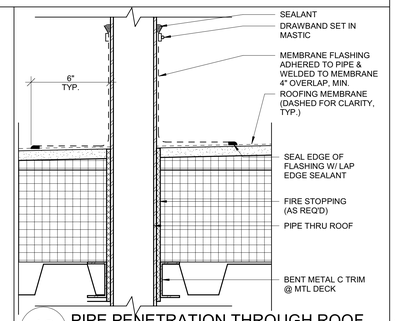


G

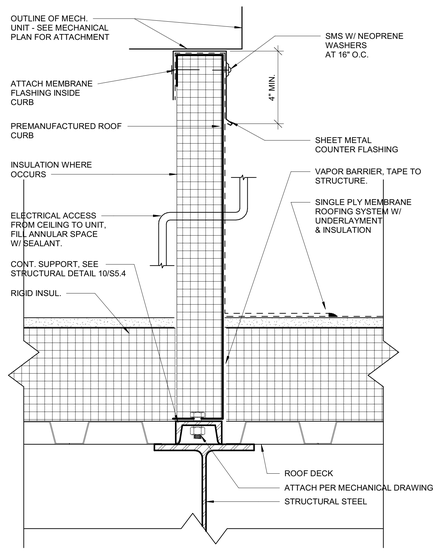
8 SCREEN WALL AT BUILDING EXT. WALL
3" = 1'-0"



18 SKYLIGHT CURB FLASHING
1 1/2" = 1'-0"

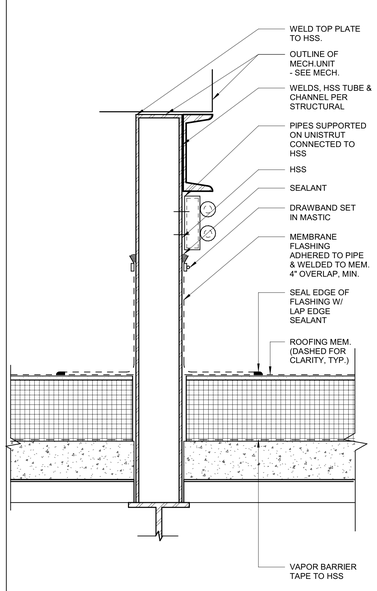


13 PIPE PENETRATION THROUGH ROOF
3" = 1'-0" (FOR PIPE 2" IN DIA. & GREATER)

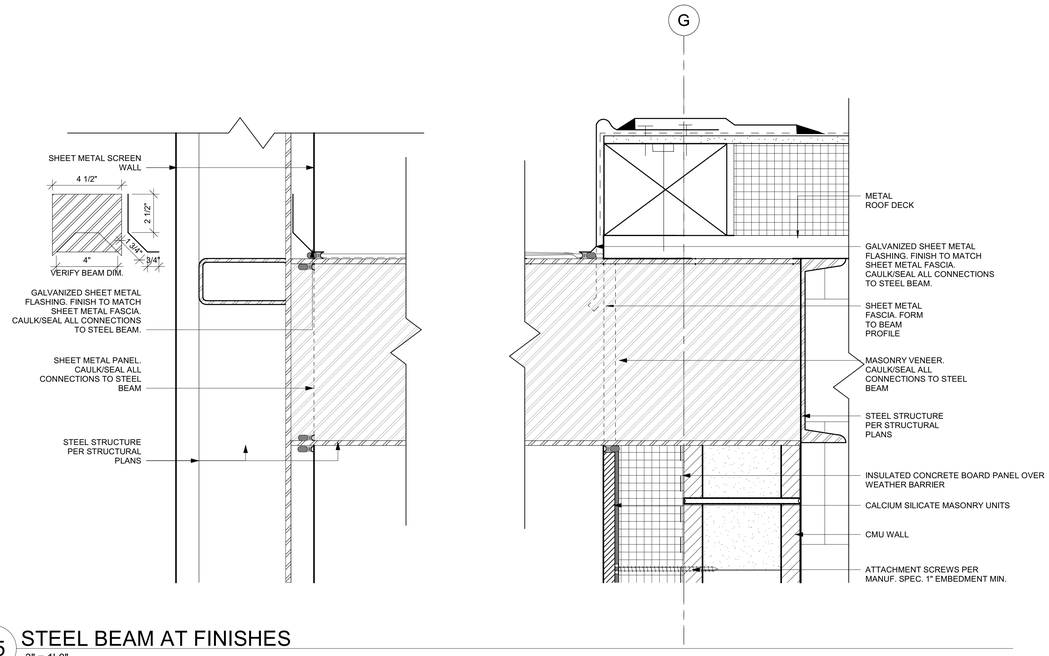


FOR MECH. UNITS WEIGHING 1000 LBS. OR GREATER

30 ROOF MOUNTED EQUIPMENT CURB
3" = 1'-0"



20 POST MOUNTED ROOF EQUIP.
3" = 1'-0"



15 STEEL BEAM AT FINISHES
3" = 1'-0"

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No. C-27624 Dec 31, 2021

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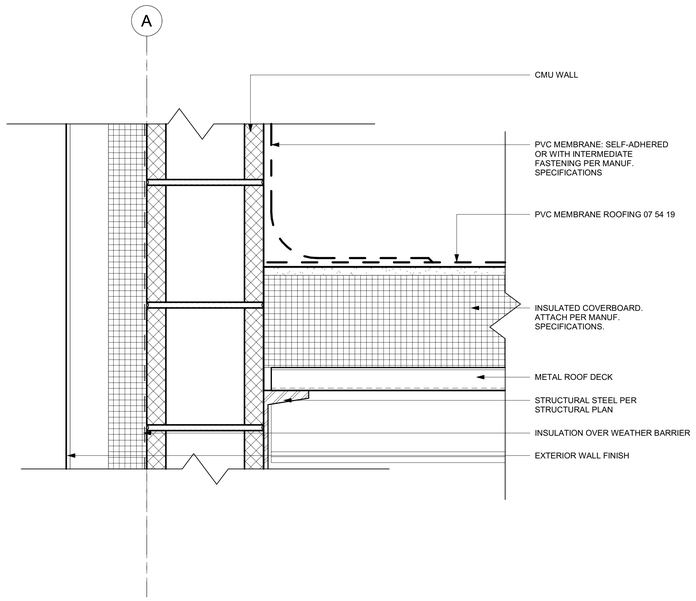
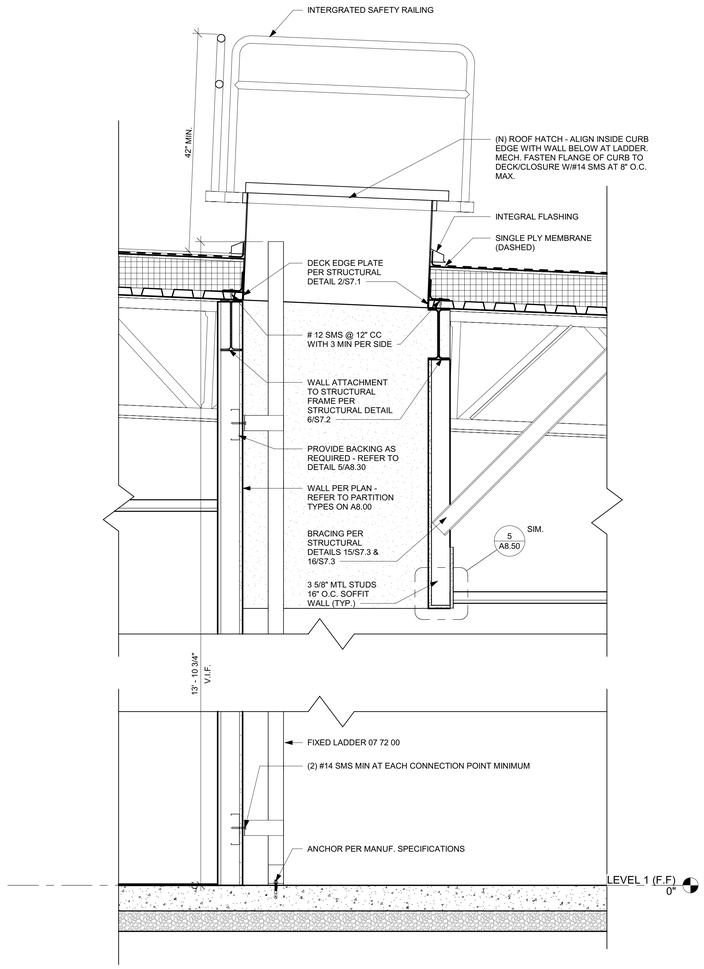
A8.22

ISSUE DATE: JULY , 2020 V3

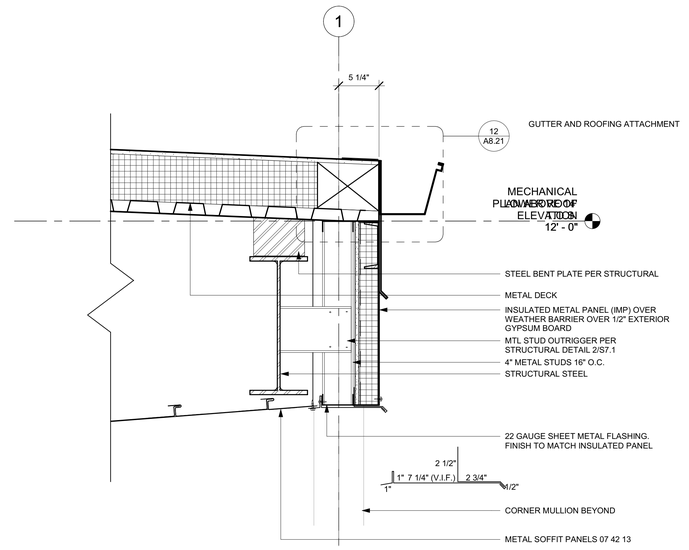
ONE INCH = TWENTY FEET 0 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 6 2
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1
ONE-HALF INCH = ONE FOOT 0 4



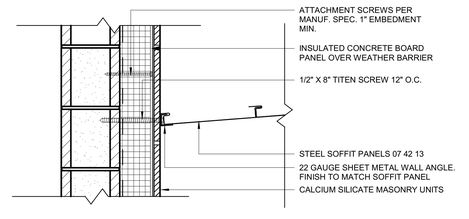
28 ROOFING AT PARAPET BASE
3" = 1'-0"



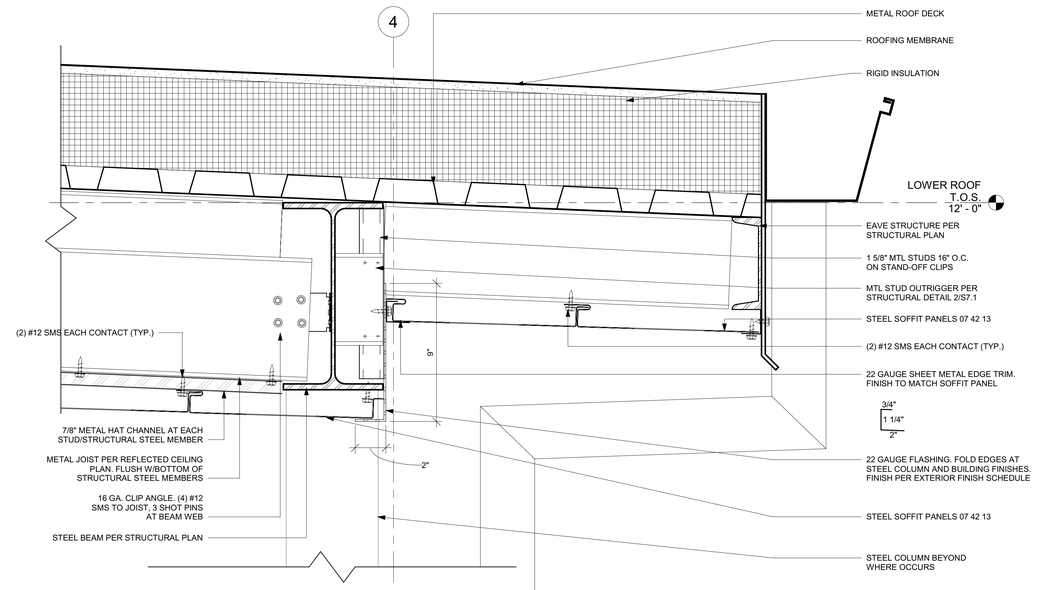
18 ROOF ACCESS HATCH/LADDER
1" = 1'-0"



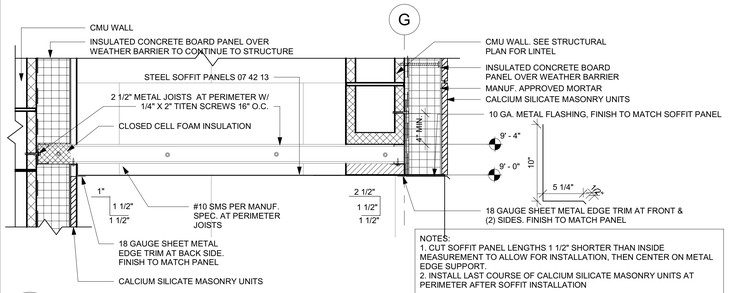
7 PATIO SOFFIT @ INSULATED PANEL
1 1/2" = 1'-0"



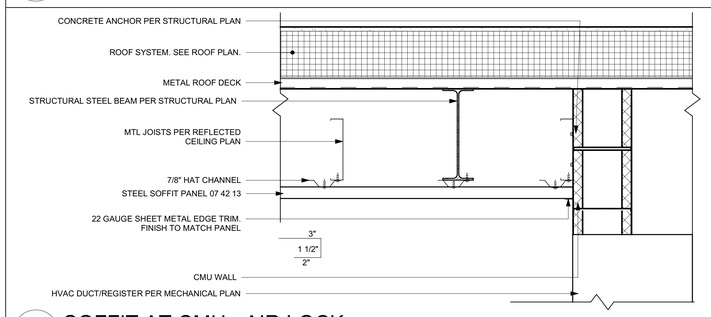
8 PATIO SOFFIT AT CSMU
1 1/2" = 1'-0"



25 ENTRY CANOPY SOFFIT/FLASHING
3" = 1'-0"



9 SOFFIT @ EMPLOYEE ENTRANCE
1 1/2" = 1'-0"



10 SOFFIT AT CMU - AIR LOCK
1 1/2" = 1'-0"

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www.nachtlewis.com
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REGISTERED ARCHITECT MICHAEL J. NACHT No. C-27624 Dec 31, 2021 STATE OF CALIFORNIA

ARCHITECT

AGENCY SUBMITTAL

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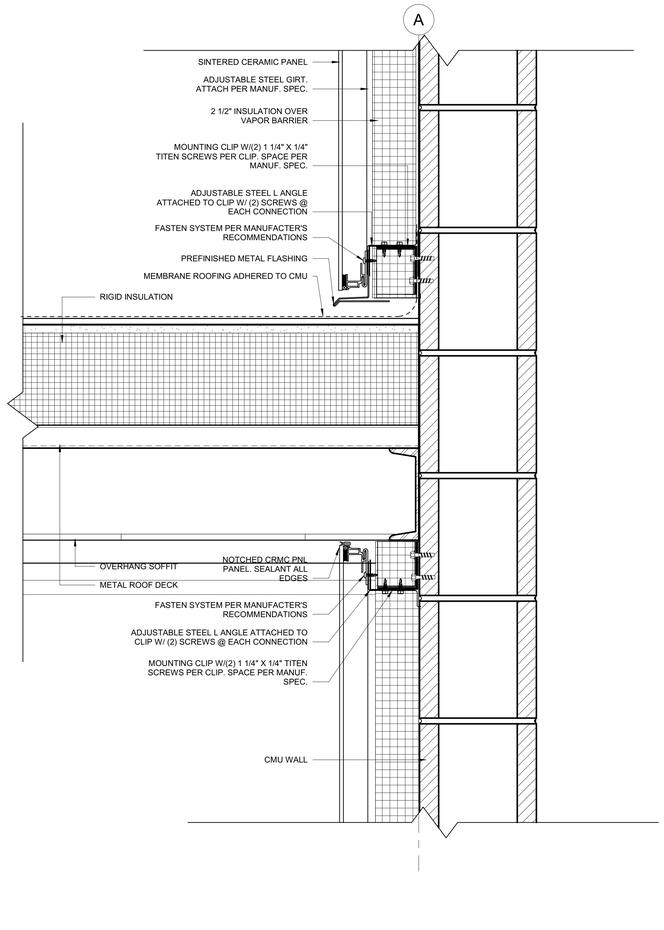
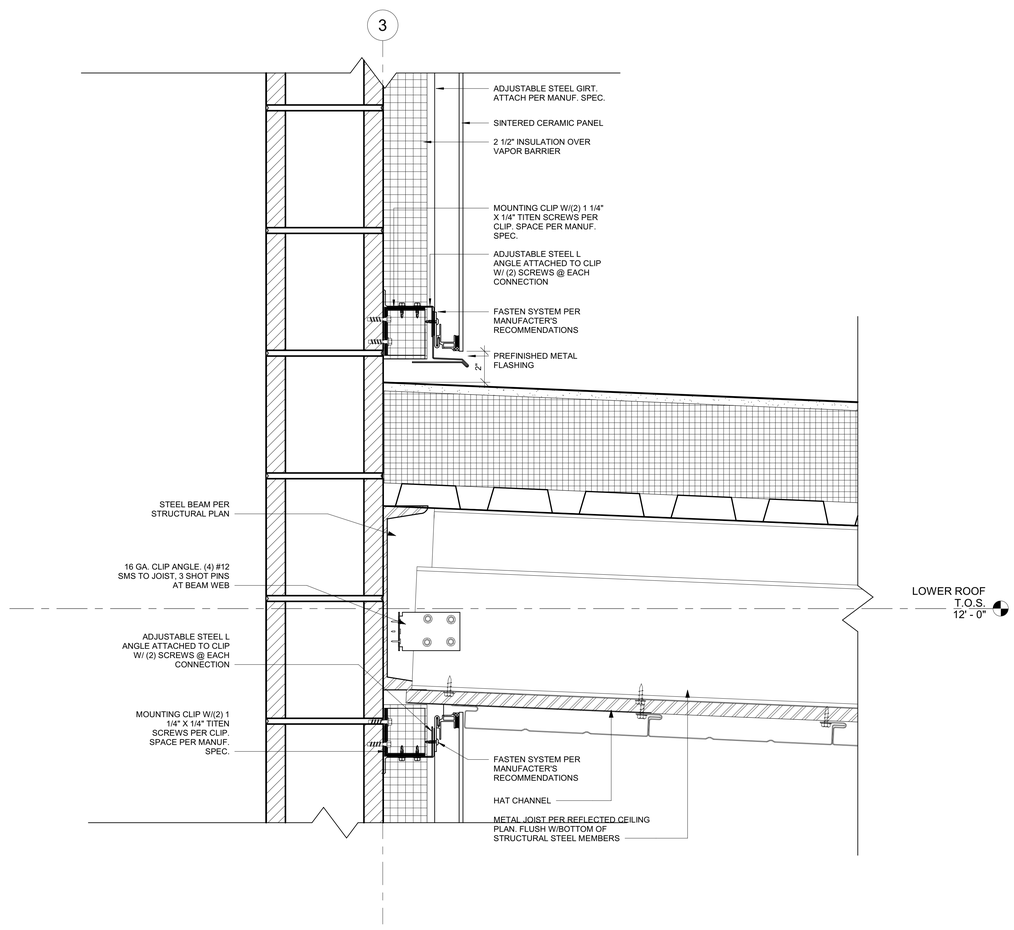
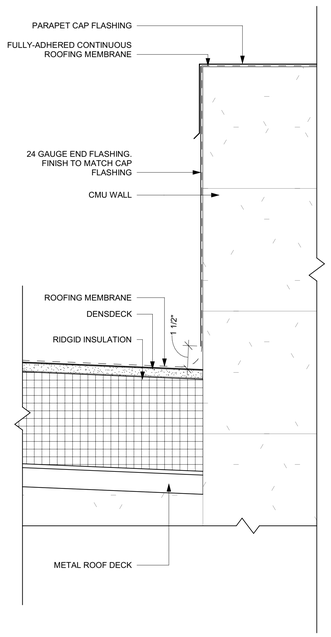
ISSUE DATE: JULY , 2020 V3



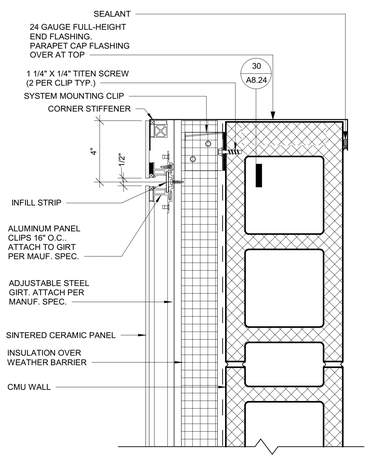
23 CANOPY OVERHANG/ROOF AT SCFS
3" = 1'-0"



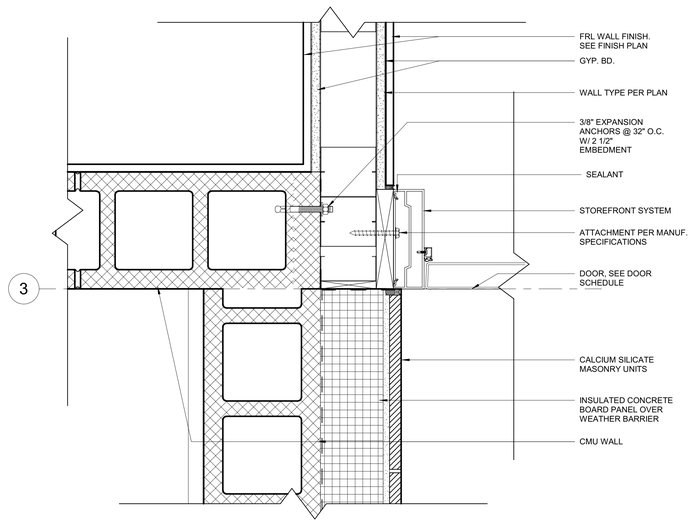
13 ENTRY CANOPY AT SCFS
3" = 1'-0"



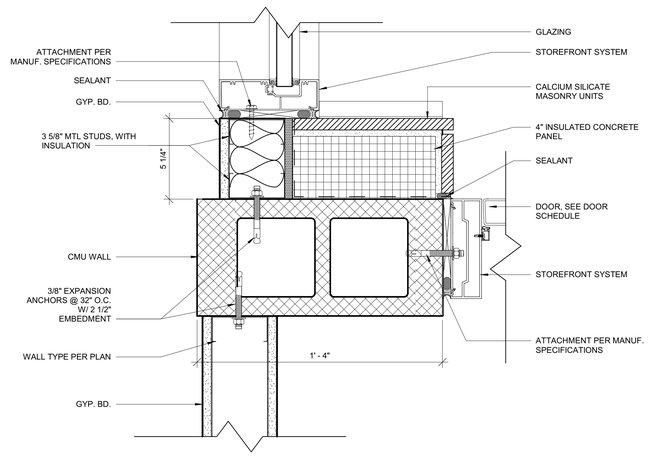
30 PARAPET END FLASHING
3" = 1'-0"



25 SCFS AT PARAPET END
3" = 1'-0"



20 WALL INTERSECTIONS AT DOOR 106D
3" = 1'-0"



10 EMPLOYEE ROOM WALL INTERSECTION
3" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

REGISTERED ARCHITECT MICHAEL J. NACHT No. C-27624 Dec.31, 2021 STATE OF CALIFORNIA
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

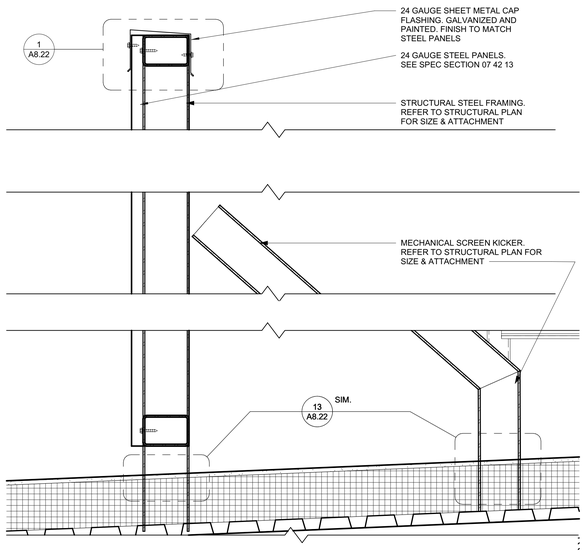
NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

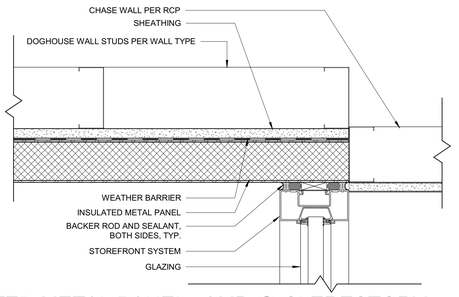
EXTERIOR DETAILS

SHEET NO.
A8.24

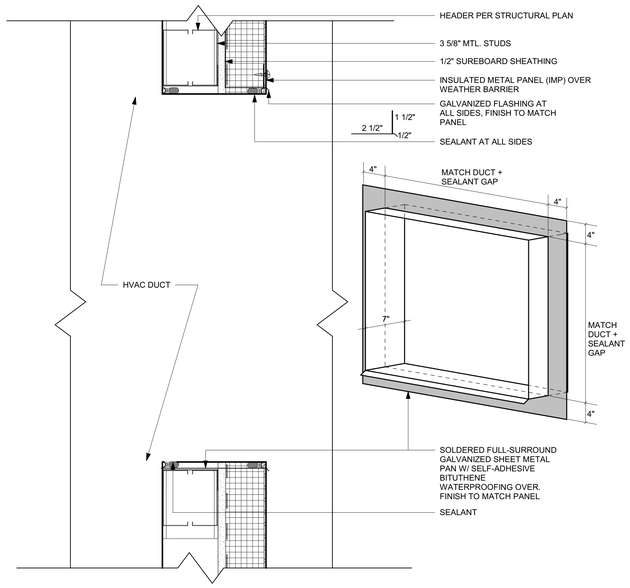
ISSUE DATE: JULY , 2020 V3



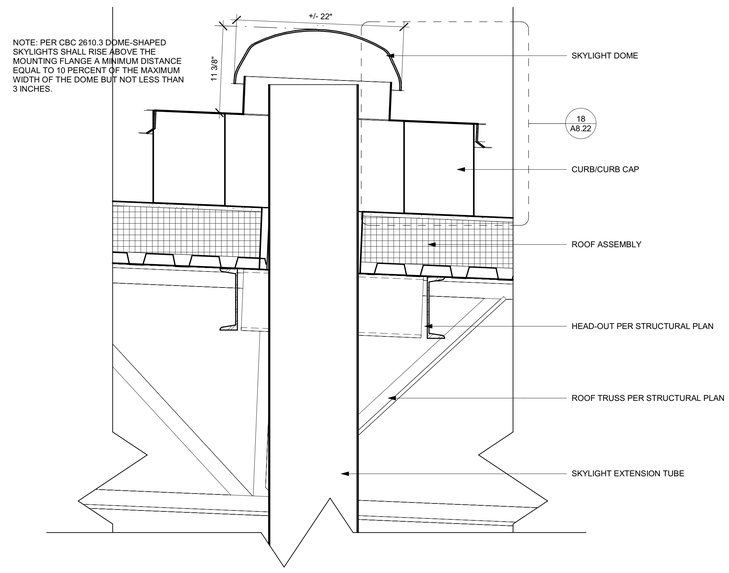
17 SCREEN WALL FRAME/KICKER
1 1/2" = 1'-0"



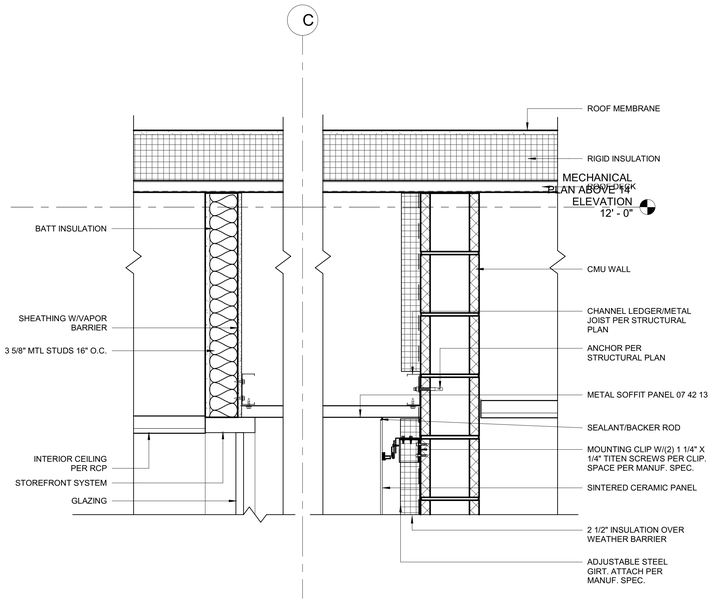
6 INSULATED METAL PANEL JAMB @ CLERESTORY
3" = 1'-0"



8 DUCT PENETRATION @ DOGHOUSE
3" = 1'-0"



20 SKYLIGHT SECTION
1 1/2" = 1'-0"



10 ENTRY SOFFIT
1 1/2" = 1'-0"

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REGISTERED ARCHITECT MICHAEL J. NACHT No. C-27624 Dec 31, 2021 STATE OF CALIFORNIA
ARCHITECT

AGENCY SUBMITTAL

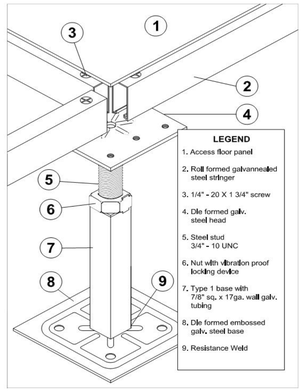
REVISIONS

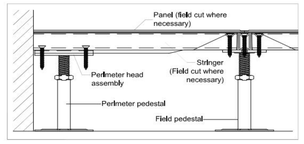
NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
EXTERIOR DETAILS
SHEET NO.
A8.25

ISSUE DATE: JULY 2020 V3

ONE INCH = TWENTY FEET
ONE-HALF INCH = TEN FEET
ONE-QUARTER INCH = FIVE FEET
ONE-EIGHTH INCH = TWO AND ONE-HALF FEET
ONE-SIXTEENTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

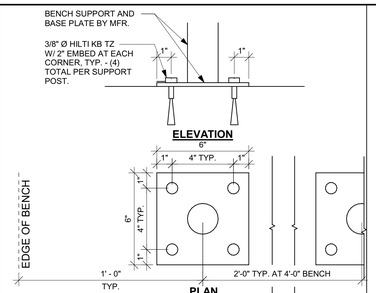




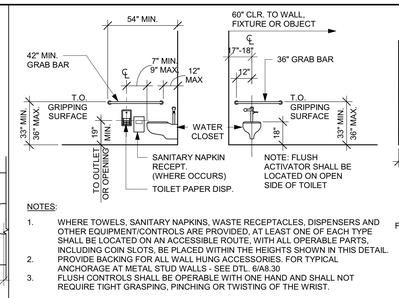
- Stringer grid pattern shall be 2'/2', 2'4', or 4'/4' basketweave.

- Perimeter pedestal shall provide support for panels around columns, at walls, curbs and fascia.

27 ACCESS FLOORING
12" = 1'-0"

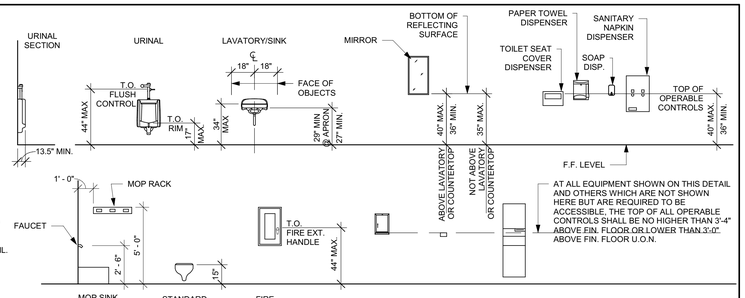


16 BENCH ANCHORAGE TO FLOOR
3" = 1'-0"

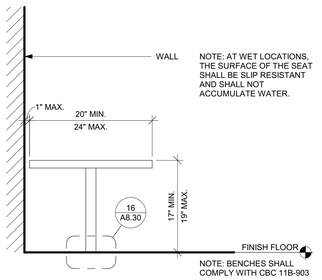


NOTES:

1. WHERE TOWELS, SANITARY NAPKINS, WASTE RECEPTACLES, DISPENSERS AND OTHER EQUIPMENT/CONTROLS ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE, WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, BE PLACED WITHIN THE HEIGHTS SHOWN IN THIS DETAIL.
2. PROVIDE BACKING FOR ALL WALL HUNG ACCESSORIES. FOR TYPICAL ANCHORAGE AT METAL STUD WALLS - SEE DTL. 6/A8.30
3. FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

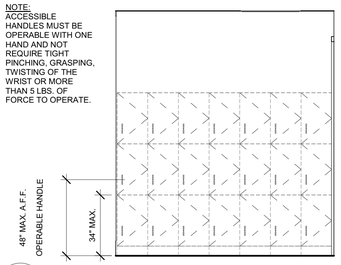


11 MOUNTING HEIGHTS
1/4" = 1'-0"

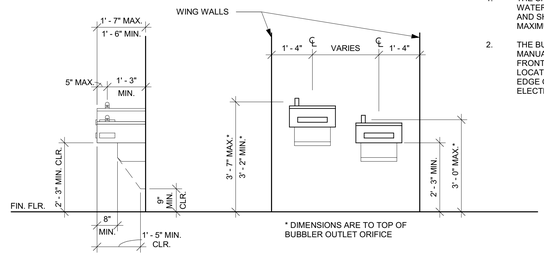


NOTE: BENCHES SHALL COMPLY WITH CBC 11B-903

17 ACCESSIBLE BENCH
1" = 1'-0"



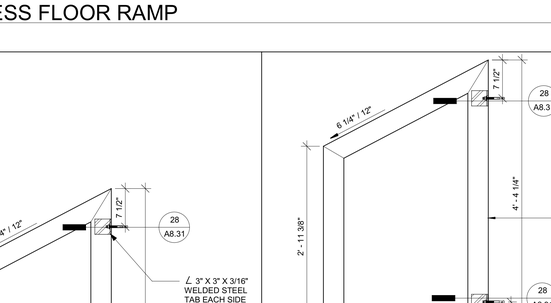
12 LOCKERS
1/2" = 1'-0"



NOTES:

1. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT.
2. THE BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN OR AN ELECTRICALLY CONTROLED DEVICE

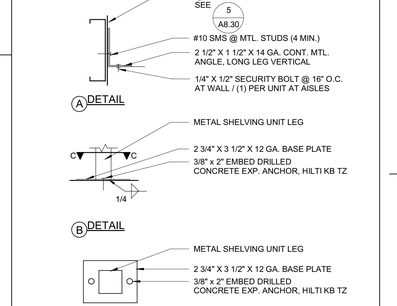
7 ACCESSIBLE DRINKING FOUNTAIN
1/2" = 1'-0"



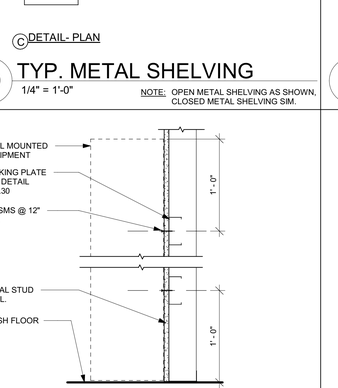
Notes:

1. Ramp shoe assembly shall be secured to sub-floor utilizing expansion anchors.
2. Corners of access floor panels shall be fastened to swiveled pedestal heads utilizing threaded fasteners.

28 ACCESS FLOOR RAMP
12" = 1'-0"

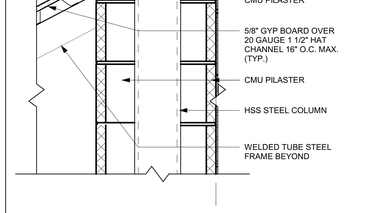


TYP. ELEVATIONS

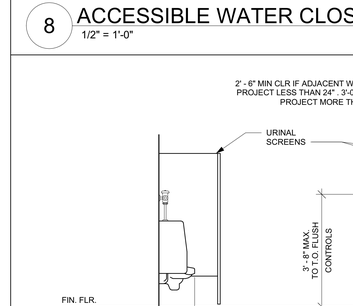


19 TYP. METAL SHELVING
1/4" = 1'-0"

NOTE: OPEN METAL SHELVING AS SHOWN, CLOSED METAL SHELVING SIM.



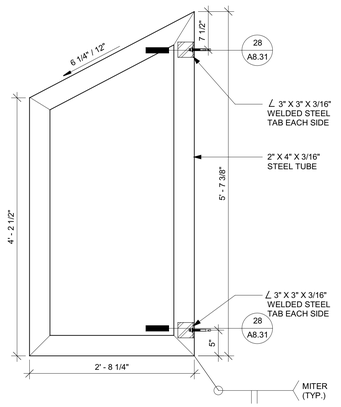
14 CMU PILASTER TOP AT CLERESTORY
1 1/2" = 1'-0"



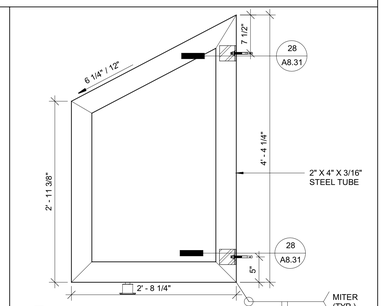
NOTES:

1. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 lbf.
2. AUTOMATIC SPRING TO LIFTED POSITION SEATS ARE NOT ALLOWED.
3. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.
4. SANITARY NAPKIN DISPENSERS SHALL BE PLACED BETWEEN THE REAR WALL AND TOILET PAPER DISPENSER.

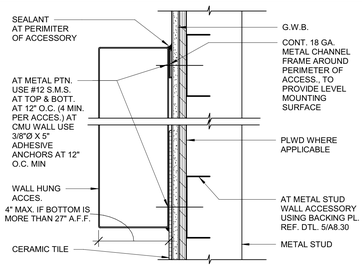
8 ACCESSIBLE WATER CLOSET
1/2" = 1'-0"



30 SOFFIT FRAME 2
1" = 1'-0"

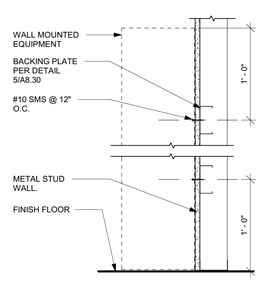


24 SOFFIT FRAME 1
1" = 1'-0"



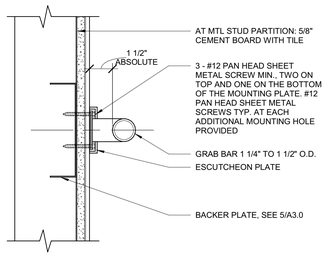
NOTE: FOR ADDITIONAL NOTES SEE SHEET XXXXXXX

25 TYP. MTG. OF TOILET ACCES.
3" = 1'-0"

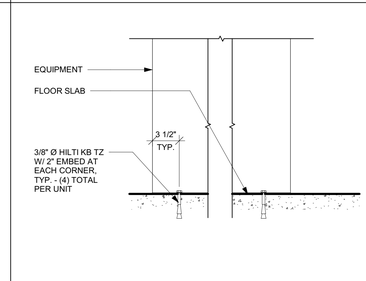


20 WALL MOUNTED EQUIPMENT ATTACHMENT
1 1/2" = 1'-0"

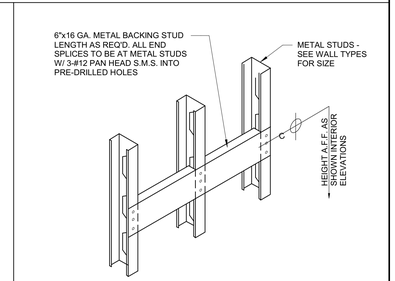
NOTE: THIS DETAIL APPLIES TO EQUIPMENT <20 LBS. OR LOCKERS.



15 GRAB BAR MOUNTING (MTL. STUDS)
3" = 1'-0"



10 FLOOR MOUNTED EQUIPMENT ATTACHMENT
1 1/2" = 1'-0"



5 BACKING PLATE
1" = 1'-0"

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No. C-27624 Dec 31, 2021

ARCHITECT

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REVISIONS

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DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

INTERIOR DETAILS

SHEET NO.

A8.30

ISSUE DATE: JULY , 2020

V3

ONE INCH = TWENTY FEET
ONE INCH = SIXTEENTH INCH = ONE FOOT
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THREE-QUARTERS INCH = ONE FOOT
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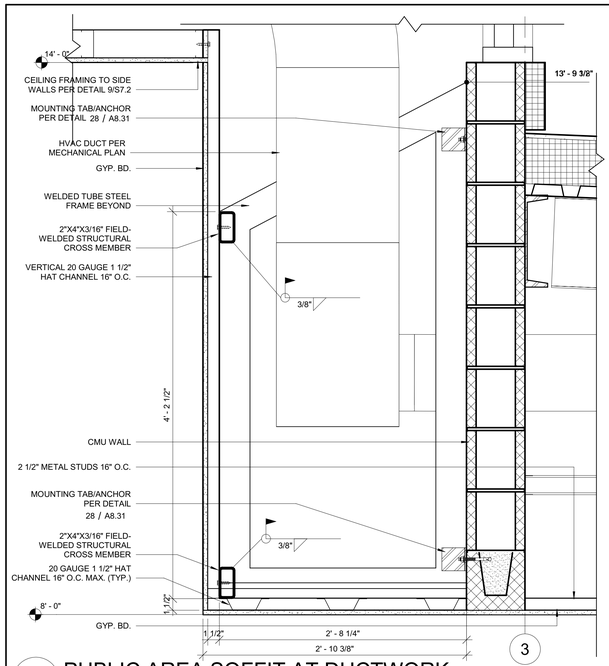
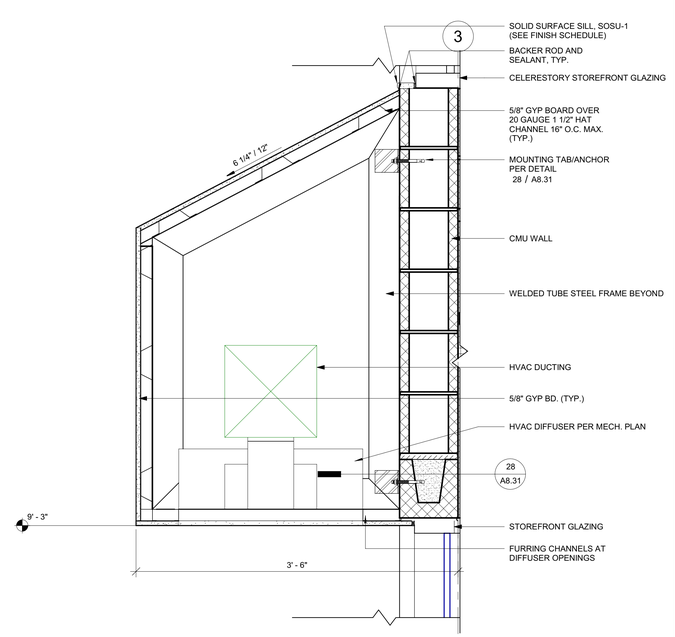
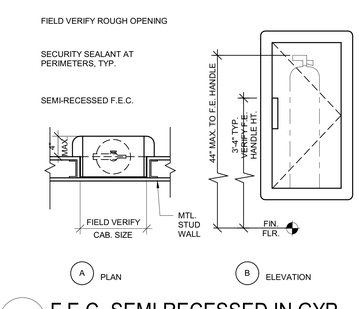


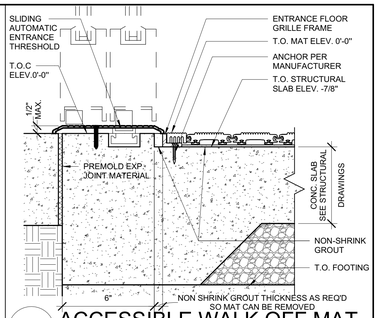
27 PUBLIC AREA SOFFIT AT DUCTWORK
1 1/2" = 1'-0"



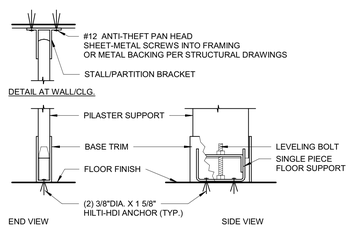
17 PUBLIC AREA SOFFIT
1 1/2" = 1'-0"



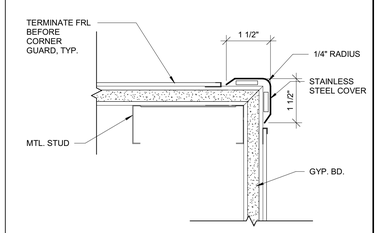
6 F.E.C.-SEMI RECESSED IN GYP.
1" = 1'-0"



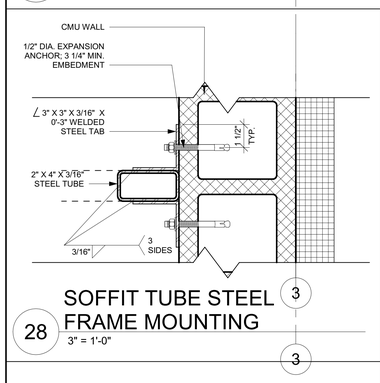
1 ACCESSIBLE WALK OFF MAT
3" = 1'-0"



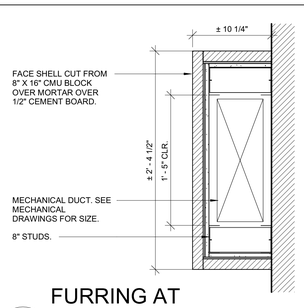
7 TOILET PARTITION ANCHORAGE
1 1/2" = 1'-0"



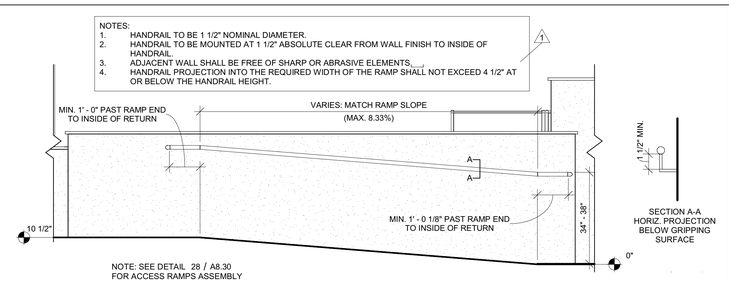
2 CORNER GUARD
6" = 1'-0"



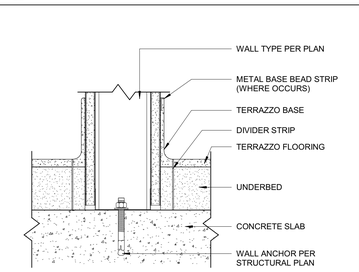
28 SOFFIT TUBE STEEL FRAME MOUNTING
3" = 1'-0"



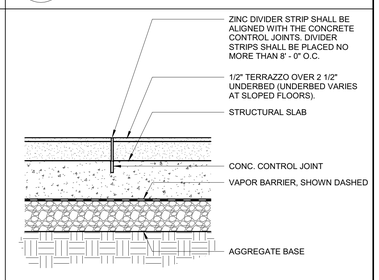
23 FURRING AT SIDE WALL DUCTS
1 1/2" = 1'-0"



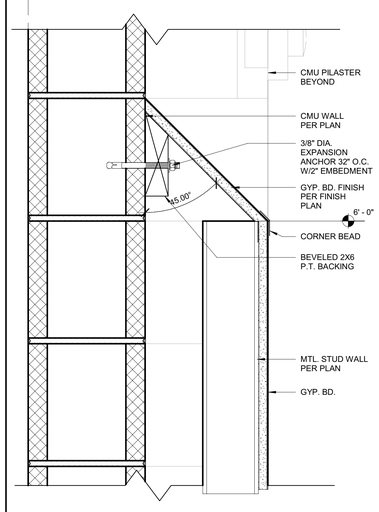
18 INTERIOR RAMP HANDRAIL (TYP.)
1/2" = 1'-0"



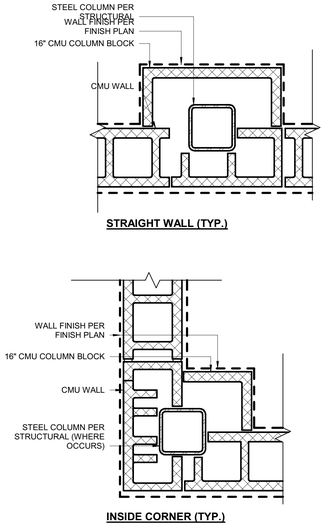
8 TERRAZZO BASE
3" = 1'-0"



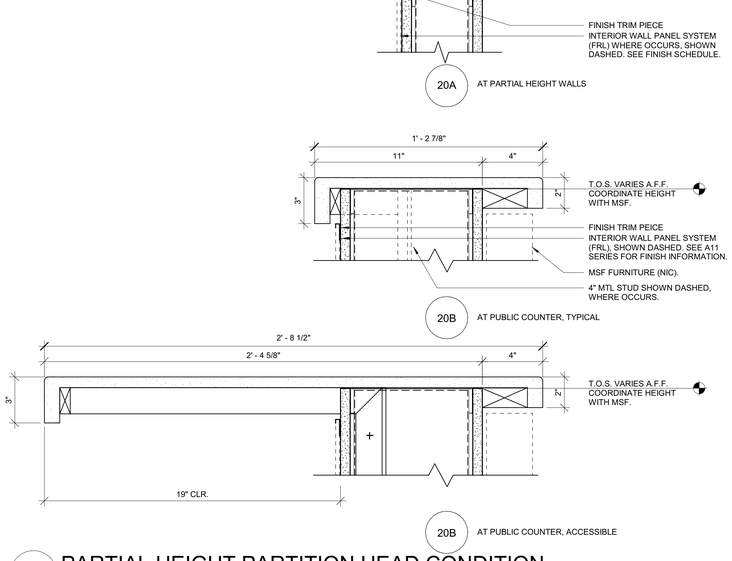
3 TERRAZZO FLOOR STRIP
1 1/2" = 1'-0"



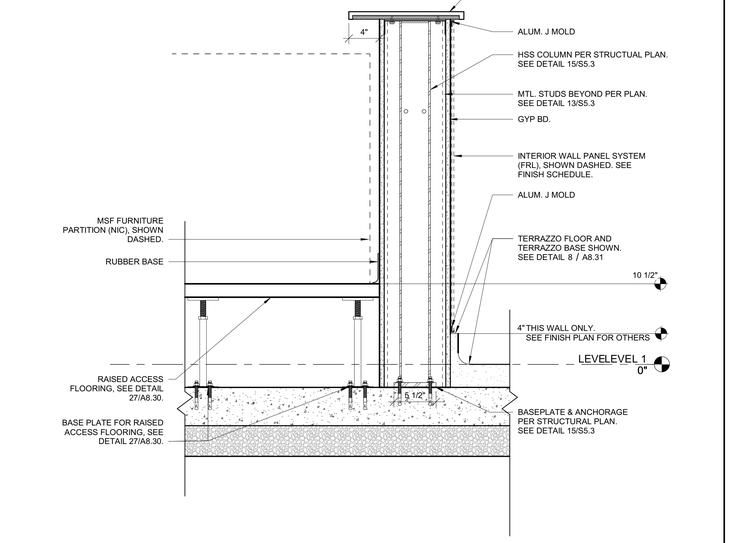
30 WALL LEDGE TOP
3" = 1'-0"



25 CMU COLUMNS
1 1/2" = 1'-0"



20 PARTIAL HEIGHT PARTITION HEAD CONDITION
3" = 1'-0"



10 COUNTER WALL AT ACCESS FLOOR
1 1/2" = 1'-0"

OTHER PARTIAL WALLS SIM AT BASE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000
No. C-27624 Dec 31, 2021
ARCHITECT

AGENCY SUBMITTAL

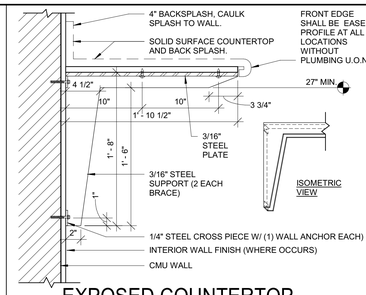
REVISIONS

NO.	DESCRIPTION	DATE
1	SFM PLAN CHECK	7/15/20

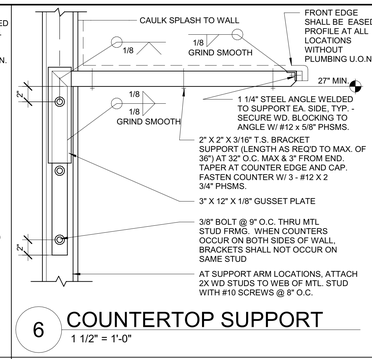
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
INTERIOR DETAILS
SHEET NO.
A8.31

ISSUE DATE: JULY, 2020 V3

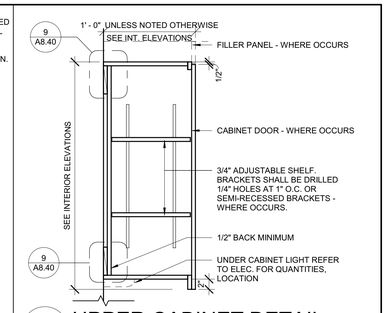
ONE INCH = TWENTY FEET -- ONE-SIXTEENTH INCH = ONE FOOT -- ONE-EIGHTH INCH = ONE FOOT -- ONE-QUARTER INCH = ONE FOOT -- THREE-QUARTERS INCH = ONE FOOT -- ONE INCH = ONE FOOT -- ONE AND ONE-HALF INCH = ONE FOOT



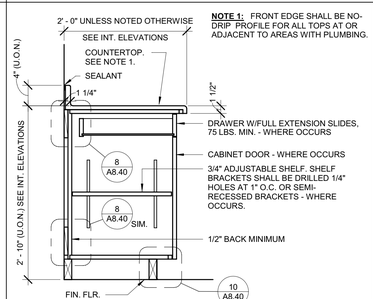
11 EXPOSED COUNTERTOP SUPPORT
1 1/2" = 1'-0"



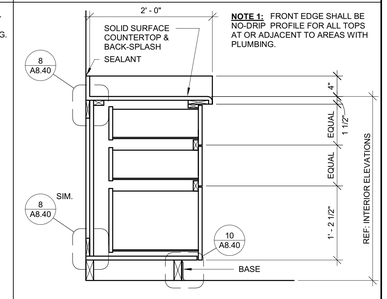
6 COUNTERTOP SUPPORT
1 1/2" = 1'-0"



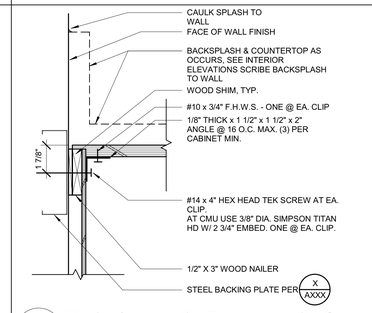
1 UPPER CABINET DETAIL
1" = 1'-0"



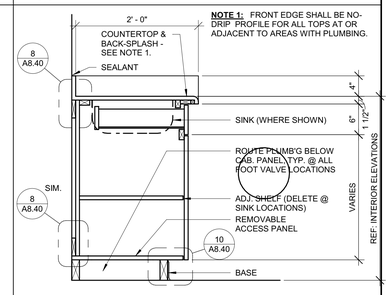
7 BASE CABINET DETAIL1
1" = 1'-0"



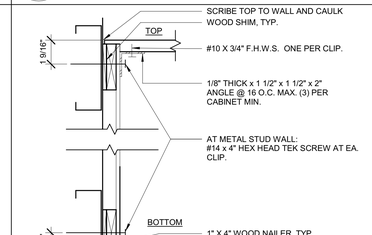
2 BASE CABINET W/ DRAWERS
1" = 1'-0"



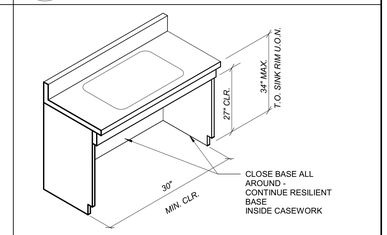
8 BASE/WALL CABINET ANCHOR1
3" = 1'-0"



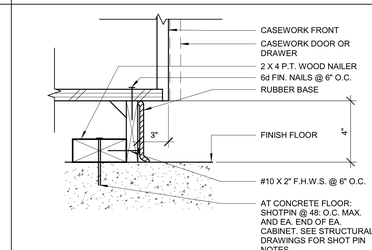
3 BASE CABINET W/ PLUMBING
1" = 1'-0"



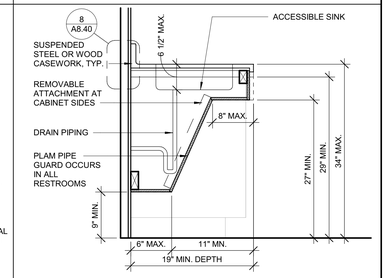
9 WALL HUNG CABINET ANCHORS
3" = 1'-0"



4 ACCESSIBLE BASE CABINET W/ PLUMBING
1/4" = 1'-0"



10 BASE CABINET ANCHOR1
3" = 1'-0"



5 KNEE SPACE CLEARANCES AT SINKS AND WORKSTATIONS
1" = 1'-0"

IDENTIFICATION STAMP
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Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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P 916.329.4000

ARCHITECT
No. C-27624 Dec 31, 2021

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
CASEWORK DETAILS
SHEET NO.
A8.40

ISSUE DATE: JULY , 2019
V3

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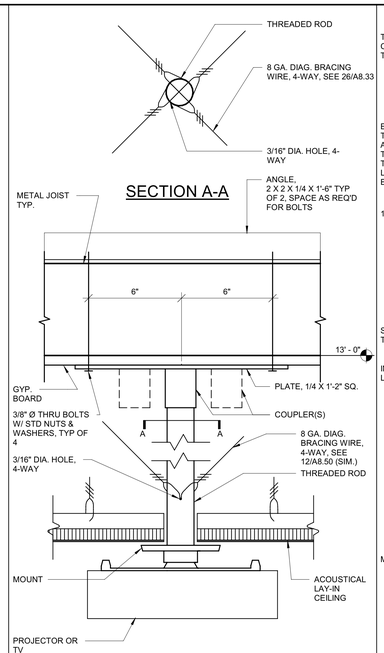
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

COMPRESSION STRUT TABLE

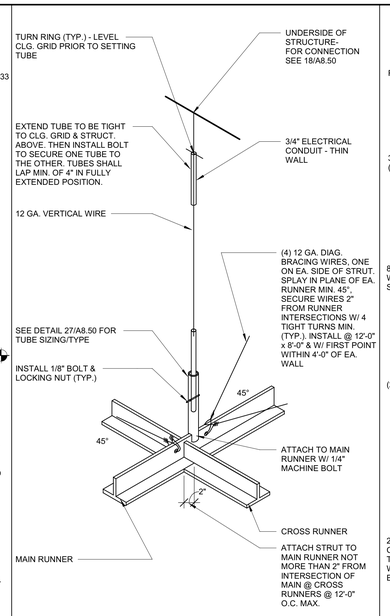
EMT COMPRESSION	MAXIMUM LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	4'-7"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	7'-5"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9'-9"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12'-9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14'-9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18'-10"

CHANNEL COMPRESSION	MAXIMUM LENGTH
250S125-33	5'-0"
250S137-33	6'-10"
362S137-33	8'-0"
250137-43	8'10"
400S137-43	10'-10"

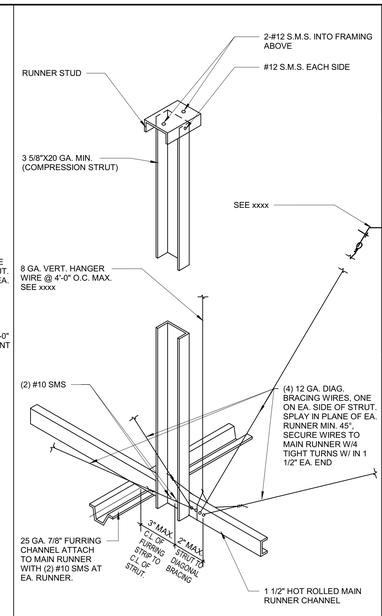
27 COMPRESSION STRUT TABLES
N.T.S.



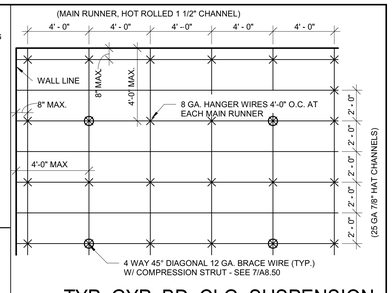
11 CEILING MOUNT DETAIL
3" = 1'-0"



12 ALTERNATE TUBE COMPRESSION STRUT
1" = 1'-0"

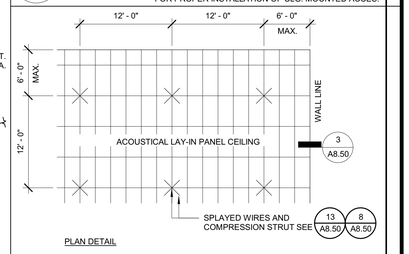


7 BRACING @ GYP. BD. CEILING
1" = 1'-0"



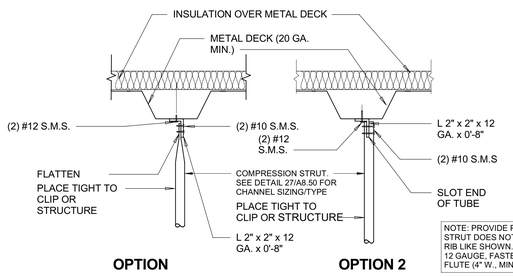
1 TYP. GYP. BD. CLG. SUSPENSION PLAN
1" = 1'-0"

NOTE: PROVIDE ADDITIONAL CHANNELS AS REQUIRED FOR PROPER INSTALLATION OF CLG. MOUNTED ACCES.



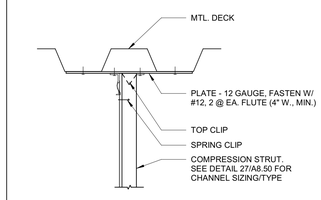
PLAN DETAIL

2 ACOUSTICAL LAY IN PANEL CEILING SUSPENSION SYSTEM
1/8" = 1'-0"

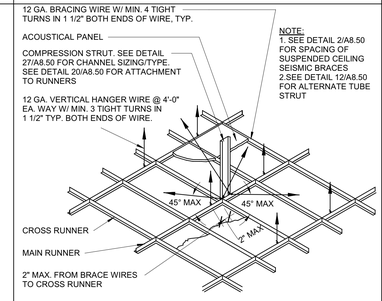


NOTE: PROVIDE PLATE WHERE STRUT DOES NOT HIT METAL DECK RIB LIKE SHOWN. PLATE SHALL BE 12 GAUGE, FASTEN W/ #12, 2 @ EA. FLUTE (4" W., MIN.)

18 TUBE COMPRESSION STRUT TO DECK
N.T.S.

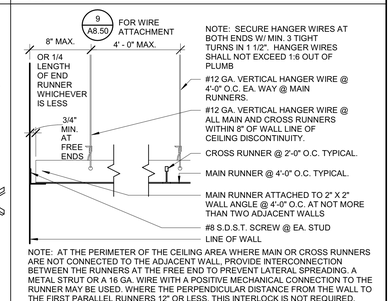


13 CHANNEL COMPRESSION STRUT TO DECK
1 1/2" = 1'-0"



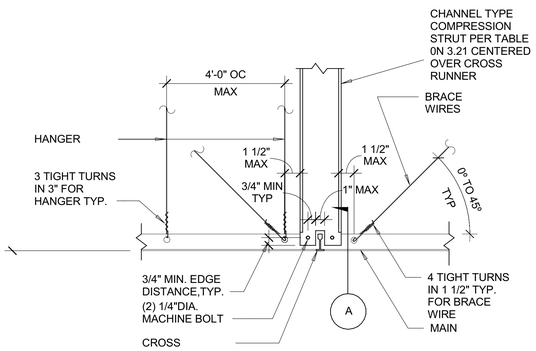
NOTE:
1. SEE DETAIL 2/A8.50 FOR SPACING OF SUSPENDED CEILING SEISMIC BRACES.
2.SEE DETAIL 12/A8.50 FOR ALTERNATE TUBE STRUT

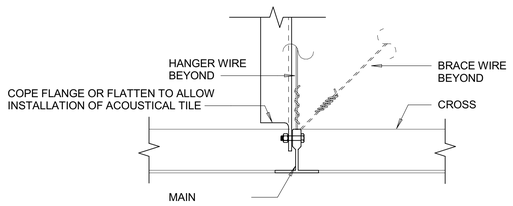
8 T-BAR CEILING BRACING
N.T.S.



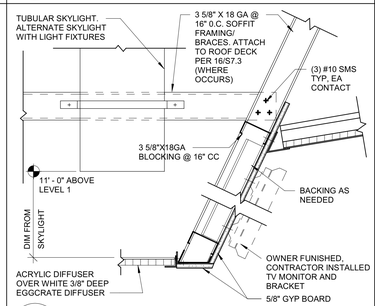
NOTE: AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.

3 CEILING GRID AT WALL
1 1/2" = 1'-0"

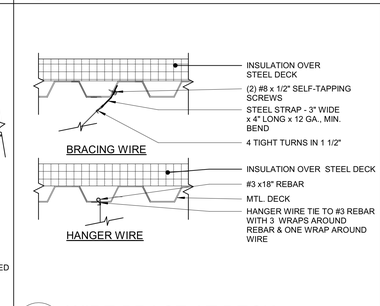




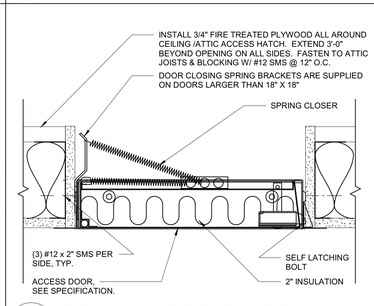
20 CHANNEL COMPRESSION STRUT
N.T.S.



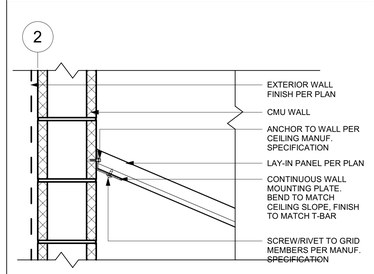
14 DIFFUSER AT SOFFIT
1 1/2" = 1'-0"



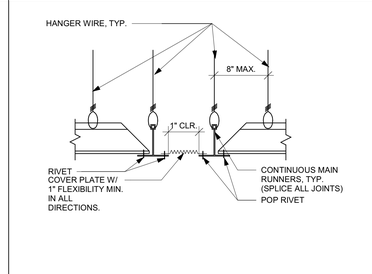
9 WIRE BRACE AT DECK
1 1/2" = 1'-0"



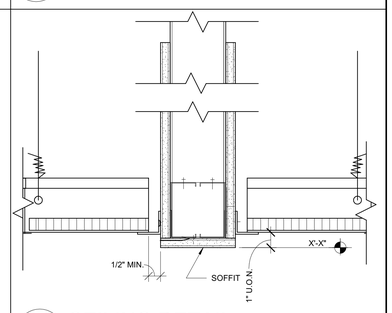
4 CEILING ACCESS DOOR
3" = 1'-0"



15 SUSPENDED CEILING AT CMU
1 1/2" = 1'-0"



10 CEILING GRID SPLICE AT EXPANSION JOINT
1" = 1'-0"



5 CEILING DETAIL
3" = 1'-0"

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CONSULTANT
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www.nachtlewis.com
P 916.329.4000

ARCHITECT
No. C-27624
Dec 31, 2021

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
CEILING DETAILS
SHEET NO.
A8.50

ISSUE DATE: JULY , 2020
V3

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE-HALF INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT

1 EQUIPMENT PLAN
3/16" = 1'-0"

N

CONTRACTOR FURNISHED CONTRACTOR INSTALLED

ITEM NO.	SPEC SECT.	ITEM	DESCRIPTION	DETAIL	REMARKS
C001	10 51 13	4' Long Bench	48" x 20 (MIN.)" ACCESSIBLE BENCH, MECHANICALLY FASTENED TO FLOOR	16/A8.30, 17/A8.30	1, 2
C002	10 51 13	LOCKER	3 TIER, 12 IN W X 22 IN H X 15 IN D, STEEL FABRICATED PERSONAL LOCKERS WITH SLOPED TOP	12/A8.30, 20/A8.30	2, 3
C003	10 28 00	PAPER TOWEL DISPENSER 9986	WALL MOUNTED	11/A8.30, 20/A8.30	
C004	10 28 00	RACK	3 LF, MOP RACK		
C006	10 11 00	WHITE BOARD	4FT H X 6FT L, ALUMINUM FRAME (BRUSH)		2, 36" A.F.F.
C007	10 11 00	TACK BOARD	4FT H x 6FT L, ALUMINUM FRAME (BRUSH)		2, 36" A.F.F.
C008	22 41 00	GARBAGE DISPOSAL	GARBAGE DISPOSAL		6
C009	11 20 00	AED	AUTOMATED EXTERNAL DEFIBRILLATOR DEVICE		6
C010		FEC	FIRE EXTINGUISHER CABINET	6/A8.31	
C011	07 72 00	ROOF ACCESS LADDER	WALL MOUNTED	18/A8.23	
C013	11 20 00	BROCHURE RACK	FREESTANDING RACK		
C014	10 56 13	SHELVING	METAL BOOKSHELVES, 84" H X 18" D X 36" W	19/A8.30	2, 3
C015	11 20 00	ASSISTED LISTENING DEVICE			6
C016	10 26 00	CORNER GUARD		2/A8.31	
C017		KNOX BOX 3264	EMERGENCY KEY CABINET (KNOX BOX)	20/A8.30	8
C018	12 93 00	FIXED SEATING EXTERIOR TABLE			
C019	12 93 00	CENTER POST COLLAPSIBLE UMBRELLA			
C020		ROUTER			7, SEE DATA PLAN SHEETS FOR LOCATION AND WIRING
C021	10 28 00	PAPER TOWEL DISPENSER B2621	Bobrick B-2621 CLASSIC SERIES SURFACE MOUNTED PAPER TOWEL DISPENSER	11/A8.30, 20/A8.30	
C023		A.I. PHONE	See Product Description		6

OWNER FURNISHED CONTRACTOR INSTALLED

ITEM NO.	SPEC SECT.	ITEM	DESCRIPTION	DETAIL	REMARKS
O000		SAFE	AMERICAN SECURITY PRODUCTS CSC4520 25.5 IN X 28.9 IN X 50.5 IN		1
O001		CLOCK	WALL MOUNTED		2
O002		PHOTO BACKDROP	DMV STANDARD PHOTO BACKDROP.		1
O003		TV MONITOR AND SUPPORT BRACKET	LED 40 IN		6

OWNER FURNISHED OWNER INSTALLED

ITEM NO.	SPEC SECT.	ITEM	DESCRIPTION	DETAIL	REMARKS
U001			MODULAR WORKSTATION		9, ALL EMPLOYEE WORKSTATIONS SHALL HAVE A RECYCLE BIN AND A TRASH BIN
U002		STACKING CHAIR			
U003		BEVERAGE DISPENSER VENDING MACHINE			6
U004		CANDY VENDING MACHING			6
U005		COPIER			6, INCLUDES INTEGRAL FAX CAPABILITIES: PROVIDE PHONE LINE
U006		36" - TABLE			
U006.5		30" - TABLE			
U008		MICROWAVE	COUNTERTOP MOUNTED		6, ENERGY STAR COMPLIANT
U009		BIN	TRASH/RECYCLE/ORGANIC WASTE		ONE OF EACH
U010		REFRIGERATOR	36" FRENCH DOOR		5, ENERGY STAR COMPLIANT
U011		QMATIC KIOSK			6
U012		SPCL_SST			6
U014		WORKSTATION	8FT 6 IN, MODULAR		9
U015		COMPUTER TERMINAL	PLACEHOLDER FOR A COMPUTER-TERMINAL. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		6
U016		LASER PRINTER	PLACEHOLDER FOR A PRINTER. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		
U017		COMPUTER TERMINAL PC	PLACEHOLDER FOR A COMPUTER-TERMINAL. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		6
U018		LASER PRINTER PC	PLACEHOLDER FOR A PRINTER. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		
U019		WEB ACCESS PC MONITOR	Generic LCD Monitor		
U020		TOUCHSCREEN COMPUTER	HP EliteOne 800 G1 All-in-One PC		
U021		FINGERPRINT READER	PLACEHOLDER FOR A FINGERPRINT READER. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		6
U022		TOUCH TABLET	See Product Description		6
U023		MONITOR ARM	Two-Piece Clamp Mount With Base-M2C-S1S--		
U024		COMPUTER TERMINAL DAD	PLACEHOLDER FOR A COMPUTER-TERMINAL. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		6
U025		VISA CARD READER POS	CREDIT CARD/DEBIT CARD READER		6
U026		DESK TELEPHONE W/SPEAKER	Telephone, desk, with speaker.		6
U027		911 DEDICATED PHONE	See Product Description		6
U028		WEB ACCESS COMPUTER			
U029		MAIL MACHINE	PITNEY BOWES DM400™ with SendPro® Tablet		6
U030		INTERCOM	See Product Description		
U031		SPEAKER - INTERIOR	CEILING MOUNTED SPEAKER		7
U032		SPEAKER - EXTERIOR	WALL MOUNTED EXTERIOR SPEAKER		7
U033		QUEUE RECEPTION DEVICE	See Product Description		6
U034		COMPUTER TERMINAL--QUEUEING SYSTEM	PLACEHOLDER FOR A COMPUTER-TERMINAL. FOR DETAILS/SPECIFICATIONS, CONTACT THE KP-IT PROFESSIONAL FOR THE PROJECT.		6
U035		ELECTRONIC DRIVERS LICENSE COMPUTER	HP EliteOne 800 G1 All-in-One PC		6
U036		QUEUEING STANCHION	FREE-STANDING STANCHION W/RETRACTABLE WEB DIVIDERS		
U041		KEY SAFE	8IN X 24IN X 24IN		
U042		SECURITY PAPER SHREDDER	Paper shredder, approximately 21" high X 15" wide X 12" deep with shredding unit and waste receptacle. Security features will include cross-cut shredding.		6

KEYNOTES:

1. ITEM TO BE BOLTED TO THE FLOOR/GROUND. LOCATION TO BE DETERMINED BY DMV.
2. SIZE AND QUANTITY TO BE DETERMINED BY DMV.
3. ITEM TO BE SIESMICALLY BRACED TO HARD WALL IF OVER 5' HIGH. ARCHITECT TO DESIGN LAYOUT FOR DMV REVIEW/APPROVAL.
4. SIGNAGE TO BE INSTALLED USING AIRCRAFT WIRE OR SIMILAR MATERIAL.
5. CONTRACTOR TO PROVIDE COLD WATER PLUMBING AND ELECTRICAL.
6. CONTRACTOR TO PROVIDE NECESSARY CABLING AND/OR ELECTRICAL AND TO PROPERLY MOUNT EQUIPMENT IF APPLICABLE.
7. CONTRACTOR TO PROVIDE NECESSARY CABLING AND ELECTRICAL, AND PROVIDE 10' OF SLACK FOR ANY FUTURE ADJUSTMENTS/CHANGES TO EQUIPMENT LOCATION.
8. VERIFY LOCATION WITH LOCAL FIRE OFFICIAL OR AUTHORITY HAVING JURISDICTION.
9. ALL MSF IS OWNER SUPPLIED AND OWNER INSTALLED BUT THE CONTRACTOR IS RESPONSIBLE TO CONNECT MSF TO POWER/DATA ETC.

EQUIPMENT LIST LEGEND

ITEM NO.	SUPPLIER/INSTALLER
CXXX	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
UXXX	OWNER FURNISHED/OWNER INSTALLED
OXXX	OWNER FURNISHED/CONTRACTOR INSTALLED

KEY TO ITEM NO.

C 000
- IDENTIFYING NUMBER
- SUPPLIER/INSTALLER-SEE LEGEND ABOVE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY

12/07/21
20-1059

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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

No. C-27624 Dec 31, 2021

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
2	DSA PLAN CHECK	7/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

EQUIPMENT PLAN AND SCHEDULE

SHEET NO.

A10.00

ISSUE DATE: JULY , 2019

V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
THREE-SIXTEENTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT

1 FINISH FLOOR PLAN
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. FRL-2 ON PARTIAL WALL BELOW, SEE FINISH SCHEDULE.
2. FRL-3 ON PARTIAL WALL BELOW, SEE FINISH SCHEDULE.
3. SOLID SURFACE WALL CAP (SOSU-1), SEE FINISH SCHEDULE.
4. TERMINATE 8 FT HIGH FRL-1 HERE. SEE FINISH SCHEDULE.
5. 4" TERRAZZO BASE ALONG THIS WALL ONLY. SEE DETAIL 8/A8.31.
6. TERRAZZO CONTROL JOINT (TYP.). ALIGN WITH CONCRETE SLAB CONTROL JOINTS BELOW. SEE SLAB EDGE PLAN SHEET A1.01 FOR COORDINATION. SEE DETAIL 14/A8.31
7. FRL-1, 8 FT HIGH. SEE FINISH SCHEDULE
8. P2 ACCENT PAINT, SEE FINISH SCHEDULE.
9. P3 ACCENT PAINT, SEE FINISH SCHEDULE.
10. P4 ACCENT PAINT, SEE FINISH SCHEDULE.
11. SOFFIT ABOVE, SHOWN DASHED.
12. P1 FIELD PAINT GYPSUM BOARD WALLS AND SOFFIT ABOVE, SEE FINISH SCHEDULE.
13. 6" TERRAZZO BASE TYP. U.N.O. SEE DETAIL 8/A8.31.
14. ENTRANCE FLOOR GRILLE 12 48 16

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

1. FOR FINISH SCHEDULE, SEE SHEET A11.10.
2. ALL FLOORING PATTERNS SHOWN ON PLAN ARE FOR REFERENCE ONLY. SEE FINISH SCHEDULE FOR EXACT PRODUCT.
3. TERRAZZO FLOORING SHALL HAVE 4 DIFFERENT COLOR PATTERNS REPRESENTED IN THE 4 DIFFERENT SHADES SHOWN ON THE FINISH PLAN.

LEGEND:

SEE FINISH SCHEDULE FOR MFR., STYLE & COLOR

- VINYL TILE (LVT-1)
- SEALED CONCRETE (SC)
- CARPET TILE (CRPT)
- TERRAZZO (TRZO-1)
- TERRAZZO (TRZO-2)
- TERRAZZO (TRZO-3)
- TERRAZZO (TRZO-4)
- CERAMIC TILE (TILE-3)

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JOB NO. DGS 140724

SHEET TITLE

FINISH PLAN

SHEET NO.

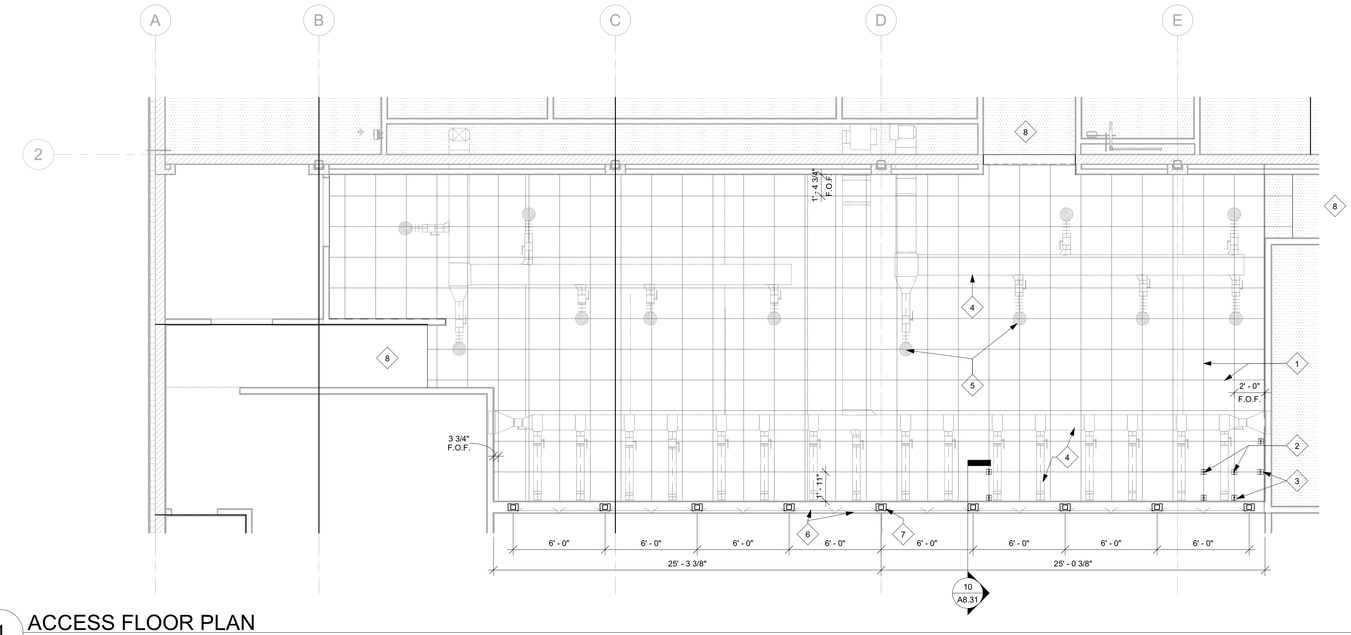
A11.00

ISSUE DATE: JULY , 2020 V3

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				WAINSCOT		REMARKS
				NORTH	EAST	SOUTH	WEST	MAT.	HGT.	
100	Outdoor Public Waiting Area									
101	Air Lock	WALK-OFF MAT	MB-1	-	RFL-1/CMU-1	RFL-1/CMU-1	-	FRL-1	8 FEET	
102	Men	TRZO	TRZO	TILE	TILE	TILE	TILE			*SEE A7.00 FOR TILE PATTERN AND FINISH LOCATIONS
103	Women	TRZO	TRZO	TILE	TILE	TILE	TILE			*SEE A7.00 FOR TILE PATTERN AND FINISH LOCATIONS
104	Jan	SC	RB-1	FRP/P6	FRP/P6	FRP/-	FRP/P6	FRP	8 FEET	
105	Drive Thru Test Area									
106	Public Area	TRZO	TRZO	SEE A11.00	FRL-1/CMU-1	RFL-1/CMU-1	RFL-1/CMU-1	FRL-1, 2 & 3	8 FEET MAX	*SEE A11.00 FOR SPECIFIC WALLS THAT SHALL RECEIVE FRL-2 & 3.
107	HR Office	AF/CRPT	RB-1	CMU-1	P1	P1	CMU-1			
108	Mngr's Office	AF/CRPT	RB-1	CMU-1	-	-	-			*SEE A11.00 FOR ACCENT PAINT LOCATIONS
109	Work Area	AF/CRPT	RB-1	CMU-1/P2	CMU-1/FRL-1	P1	CMU-1/FRL-1/P1			*SEE A11.00 FOR TERMINATION OF FRL
110	Materials Storage	SC	RB-1	P6	CMU	P6	P6			
111	Comm.	SC	RB-1	PLY/P6	PLY/CMU-1	PLY/P6	PLY/P6	PLY	8 FEET	
112	First Aid/ Lactation	LVT-1	RB-1	P4	P4	P4	P4			
113	Turn-In	CRPT	RB-1	P1	P1	P1	P2			
114	Control	CRPT	RB-1	P1	P1	P1	P2			
115	Sec. Stor.	CRPT	RB-1	P1	P2	P1	P2			
116	Janitor	SC	RB-1	FRP/P6	FRP/P6	FRP/P6	FRP/CMU-1	FRP	8 FEET	
117a	Lockers	LVT-1	RB-1	P1	P1	P1	CMU-1			
117b	Closet	LVT-1	RB-1	P1	P1	P1	CMU-1			
118	Employee Room	LVT-1	RB-1	CMU-1	P3	P1/P2	CMU-1			*SEE A11.00 FOR ACCENT PAINT LOCATIONS
118 B	Employee Patio									
119	Multi-Purpose	CRPT	RB-1	CMU-1	P1	P1	P2			
120	Staff-W	TILE-3	SCHL	TILE	TILE	TILE	TILE			*SEE A7.01 FOR TILE PATTERN AND FINISH LOCATIONS
121	Staff-M	TILE-3	SCHL	TILE	TILE	TILE	TILE			*SEE A7.01 FOR TILE PATTERN AND FINISH LOCATIONS
122	Storage	SC	RB-1	CMU-1	P6	P6	P6			
123	F.R.	SC	RB-1	CMU-1	CMU-1	P6	P6			
124	Elect.	SC	RB-1	P6	CMU-1	P6	P6	PLY	8 FEET	
125	Corridor	LVT-1	RB-1	P1	P1	P1	P1			
126	EXIT A									
127	EXIT B									

FINISH NOTES:

1. FOR LOCATIONS WHERE CASEWORK FINISHES ARE APPLIED, SEE INTERIOR ELEVATIONS.
2. FOR LOCATIONS WHERE EXTERIOR FINISHES ARE APPLIED, SEE EXTERIOR ELEVATIONS.
3. APPLY CMU SEALER TO ALL INTERIOR CMU WALLS.



1 ACCESS FLOOR PLAN

1/4" = 1'-0"

FLOOR				
SYMB	PRODUCT	MFRG	STYLE	COLOR
AF	ACCESS FLOORING WITH CARPET TILE			
CRPT	CARPET TILE	INTERFACE	DETOURS #1466602500, 50cm x 50cm	104722 WALNUT
LVT-1	LUXURY VINYL TILE	SHAWCONTRACT	SHIFT 0709V	EVOLVE 09504
SC	SEALED CONCRETE			
TILE-3	CERAMIC TILE	DALTILE		ID03 COPPER HAZE
TRZO-1	TERRAZZO	TOP END TERRAZZO	Matrix-1, Creek Bay – Kelly Moore-KM5784 20% size 2 Aggregate – Texas Blue, 20% size 1 Aggregate – China White, 20% size 1 Aggregate – Porcelain, 20% size 1 Aggregate – Crystal Clear Glass, 20% size 1 Aggregate – Brown Bottle Glass	SEE FINISH PLAN ON A11.00
TRZO-2	TERRAZZO	TOP END TERRAZZO	Matrix-2, Great White – Kelly Moore-KMW 49 40% size 2 Aggregate – Modern Mother of Pearl (MOP), 20% size 1 Aggregate – Jet Black, 40% size 2 Aggregate – Crystal Clear Glass	SEE FINISH PLAN ON A11.00
TRZO-3	TERRAZZO	TOP END TERRAZZO	Matrix-3, Great White – Kelly Moore-KMW 49 20% size 2 Aggregate – Modern Mother of Pearl (MOP), 15% size 1 Aggregate – Texas Blue, 15% size 1 Aggregate – Extreme White, 50% size 2 Aggregate – Brown Bottle Glass	SEE FINISH PLAN ON A11.00
TRZO-4	TERRAZZO	TOP END TERRAZZO	Matrix-4, City Tower – Kelly Moore-KM5823 25% size 2 Aggregate – Extreme White, 25% size 1 Aggregate – Jet Black, 25% size 1 Aggregate – Classic Mother of Pearl (MOP), 25% size 2 Aggregate – Brown Bottle Glass	SEE FINISH PLAN ON A11.00

BASE				
SYMB	PRODUCT	MFRG	STYLE	COLOR
MB-1	6" METAL BASE		20 GA MIN.	STAINLESS STEEL BRUSHED
RB-1	6 INCH RUBBER	BURKE	ACCORD 523	BLACKBROWN
SCHL	METAL SANITARY BASE	SCHLUTER	DILEX AHK	BRUSHED ALUMINUM - NICKEL
TRZO	6 INCH TERRAZZO	TOP END TERRAZZO		TO MATCH ADJACENT FLOOR COLOR

WALL				
SYMB	PRODUCT	MFRG	STYLE	COLOR
CMU-1	CONCRETE MASONRY UNIT	BASALITE	GROUND FACE	S-703 (R)
FRL-1	FIBER REINFORCED LAMINATE	PANOLAM, PIONITE	WA110-WE	CATCHING FIREFLIES
FRL-2	FIBER REINFORCED LAMINATE	PANOLAM, PIONITE	SG214-AB	BANKERS GRAY
FRL-3	FIBER REINFORCED LAMINATE	PANOLAM, PIONITE	AT965-AB	MELLOW MARRON
FRP	FIBERGLASS REINFORCED PLASTIC	PANOLAM		BRIGHT WHITE
P1	FIELD PAINT COLOR	KELLY MOORE	EGGSHELL	KMW49 GREAT WHITE
P2	ACCENT PAINT COLOR	KELLY MOORE	EGGSHELL	HLS4261 TIFFANY AMBER
P3	ACCENT PAINT COLOR	KELLY MOORE	EGGSHELL	KM5825 NOT MY FAULT
P4	ACCENT PAINT COLOR	KELLY MOORE	EGGSHELL	KM5823 CITY TOWER
P5	INTERIOR HM DOOR FRAME PAINT	KELLY MOORE	SEMI GLOSS	KM4904 BALSAMIC REDUCTION
P6	FIELD PAINT COLOR	KELLY MOORE	SEMI GLOSS	KMW49 GREAT WHITE
PLY	PLYWOOD			
TILE-1	CERAMIC TILE	DALTILE		P686 CREME LINEN
TILE-2	CERAMIC TILE	DALTILE		P690 GRIS LINEN

CEILING				
SYMB	PRODUCT	MFRG	STYLE	COLOR
AC1	ACOUSTICAL TILE 2X2			
AC2	ACOUTICAL TILE 2X4			
EC	EGG CRATE			
EXP	EXPOSED WITH PAINT		SEMI GLOSS ENAMEL	KMW49 GREAT WHITE
GYP	GYPSUM BOARD WITH PAINT	KELLY MOORE PAINT	FLAT	KMW49 GREAT WHITE
MSP	METAL SOFFIT PANELS	METAL SALES	12"	CHAMPAGNE METALLIC

CASEWORK				
SYMB	PRODUCT	MFRG	STYLE	COLOR
PLAM-1	PLASTIC LAMINATE	PIONITE	WA110-WE	CATCHING FIREFLIES
PLAM-2	PLASTIC LAMINATE	PIONITE	AT965-AB	MELLOW MARRON
SOSU-1	SOLID SURFACE	CORIAN	QUARTZ	COARSE PEPPER LEATHERED

EXTERIOR				
SYMB	PRODUCT	MFRG	STYLE	COLOR
CMU-2	CONCRETE MASONRY UNIT	BASALITE	GROUND FACE	S-515 (B)
CRMC PNL-1	SINTERED CERAMIC PANEL, SCFS	CERAMICTEX	5 FT X 10 FT	IRON CORTEN, SATIN FINISH
EXT P1	EXTERIOR HM DOORS AND FRAMES	KELLY MOORE	SEMI GLOSS	KM5738 CORNERSTONE
IMP	INSULATED METAL PANEL	METAL SALES	IMPOWER SERIES	CHAMPAGNE METALLIC
MSP	METAL SOFFIT PANEL	METAL SALES	12"	CHAMPAGNE METALLIC
MTL FLASH	METAL FLASHING			
MTL PNL	CORRUGATED METAL PANEL	METAL SALES		CHAMPAGNE METALLIC
STONE-1	CALCIUM SILICATE MASONRY UNITS, CSMU	ARRISCRAFT INTERNATIONAL	1" X 2"	SMOOTH GINGER
STONE-2	CALCIUM SILICATE MASONRY UNITS, CSMU	ARRISCRAFT INTERNATIONAL	1" X 2"	SMOOTH CAFE
STONE-3	CALCIUM SILICATE MASONRY UNITS, CSMU	ARRISCRAFT INTERNATIONAL	1" X 2"	SMOOTH CHAMPAGNE

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. ACCESS FLOORING PANEL/GRID LOCATION. VERIFY LOCATION/LAYOUT IN FIELD 09 96 00 SEE FINISH PLAN FOR CARPET. SEE DETAIL 7 / A8.30
2. STEEL SUPPORT PEDESTAL W/BOLTED STRINGER SYSTEM (TYP. AT ALL INTERSECTIONS) 09 96 00
3. STEEL PERIMETER SUPPORT PEDESTAL W/BOLTED STRINGER SYSTEM (TYP. AT ALL PERIMETER INTERSECTIONS). DISTANCE FROM EDGE STRINGERS PER MANUF. SPEC. 09 96 00
4. HVAC UNDERFLOOR DUCTING. SEE MECHANICAL PLAN. EXACT LOCATION TO BE COORDINATED IN FIELD TO AVOID ACCESS FLOORING SUPPORTS.
5. FLOOR-MOUNTED DIFFUSER (TYP.). SEE MECHANICAL PLANS. EXACT LOCATION TO BE COORDINATED IN FIELD. DIFFUSERS SHALL BE CENTERED ON FLOORING TILE.
6. WALL-MOUNTED DIFFUSER (TYP.). SEE MECHANICAL PLAN
7. HSS SUPPORT COLUMN (TYP.) PER DETAIL 15 / S5.3
8. ACCESS FLOOR RAMP, SEE DETAIL 28 / A8.30

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20-1059

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REGISTERED ARCHITECT — No. C-27624 — Dec 31, 2021 — STATE OF CALIFORNIA

ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

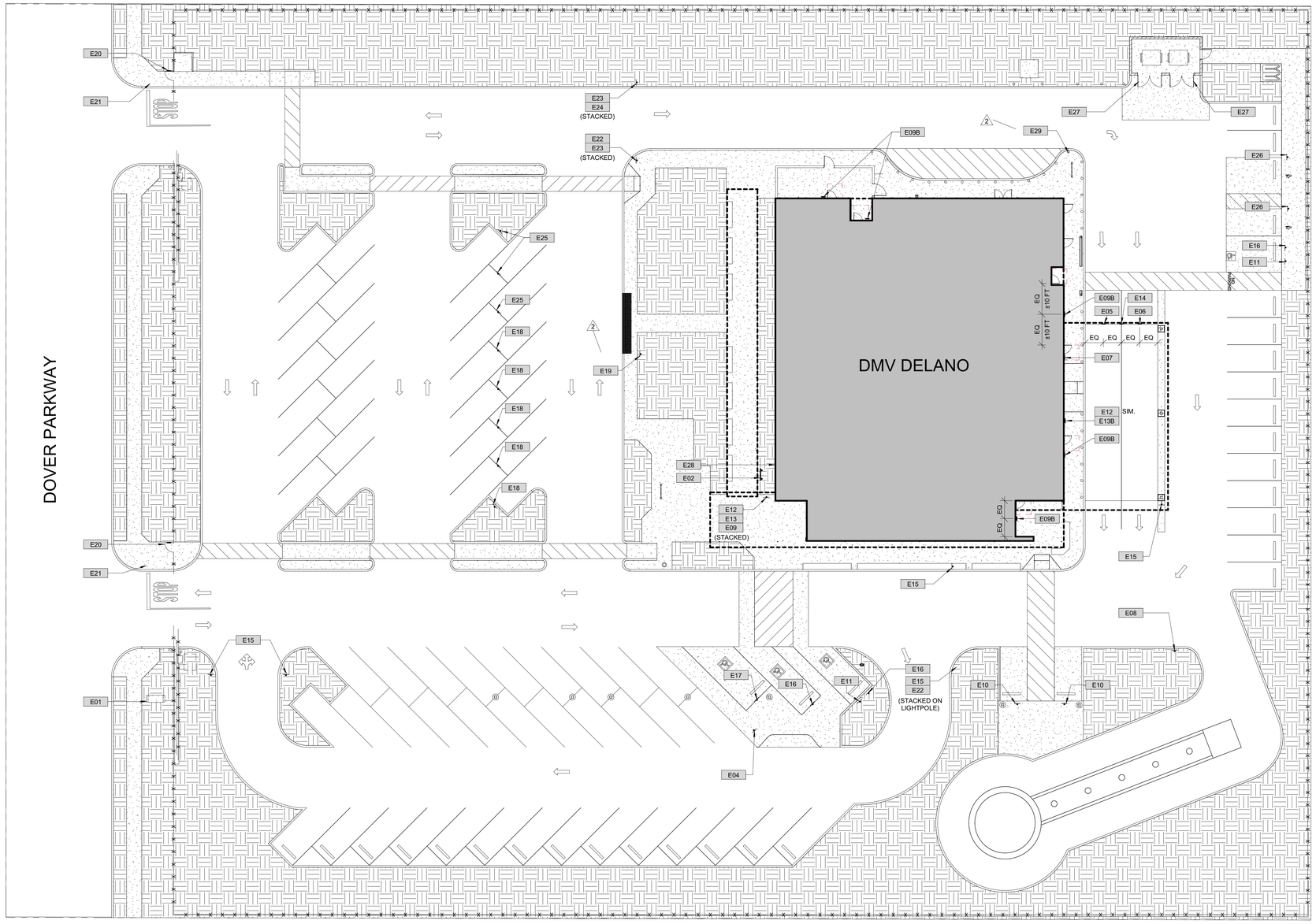
SHEET TITLE

FINISH SCHEDULE & ACCESS FLOOR PLAN

SHEET NO.

A11.10

ISSUE DATE: JULY, 2021 V3



1 SIGNAGE SITE PLAN
1/16" = 1'-0"

N

SHEET NOTES:

1. REFER TO SIGNAGE DETAIL SHEETS A12.50 AND A12.60 F.A.I.
2. NO PREDRILLED HOLES ON SIGNAGE. HOLES (WHERE REQUIRED) SHALL BE DRILLED BY INSTALLER ON SITE AT THE TIME SIGNS ARE POSITIONED. ALL SIGNS LOCATED ON RAINSCREEN MATERIALS ARE TO BE MOUNTED WITH TWO-SIDED, PRESSURE SENSITIVE ACRYLIC FOAM CORE EXTERIOR-GRADE ADHESIVE TAPE.
3. SIGNS THAT PROHIBIT THE PUBLIC FROM ACTIONS SUCH AS : SKATEBOARDING, LOITERING, TRESPASSING, ETC. MUST HAVE THE APPROPRIATE PENAL AND OR MUNICIPAL CODES IDENTIFIED ON THEM TO ENSURE THEY ARE ENFORCEABLE.
4. CONTRACTOR TO PROVIDE SIGNS SHOWN ON THIS DRAWING AND UP TO AN ADDITIONAL (10) PROGRAM SIGNS REQUIRED BY DMV. i.e. HOURS OF OPERATION, MISC. PROGRAM SIGNS NOT INCLUDED IN THIS DRAWING.
5. COORDINATE ALL FINAL HEIGHTS AND SIGNAGE PLACEMENTS WITH ARCHITECT AND CLIENT.

SIGNAGE KEY:

EXTERIOR

E01 MONUMENT SIGN, SEE DETAILS 4 / A12.50 2 / A12.50
E02 FOR APPOINTMENTS AND INFORMATION, SEE DETAIL 6 / A12.50
E03 NOT USED
E04 MOTORCYCLE PARKING ONLY, SEE DETAIL 7 / A12.50
E05 DRIVE TEST LANE, SEE DETAIL 8 / A12.50
E06 VERIFICATION LANE, SEE DETAIL 9 / A12.50
E07 VERIFICATION BELL, SEE DETAIL 10 / A12.50
E08 SKILL TEST AREA ONLY (DIRECTIONAL SIGN), SEE DETAIL
E09 SMOKING NOT PERMITTED (POLE MOUNTED), SEE DETAILS 12 / A12.50
E09-B SMOKING NOT PERMITTED (WALL MOUNTED), SEE DETAIL 13 / A12.50
E10 END OF DRIVE TEST, SEE DETAIL 14 / A12.50
E11 UNAUTHORIZED VEHICLE, SEE DETAIL 15 / A12.50
E12 NO UNAUTHORIZED PERSONS, SEE DETAIL 16 / A12.50
E13 UNREASONABLE OBSTRUCTION (POLE MOUNTED), SEE DETAIL 17 / A12.50
E13-B UNREASONABLE OBSTRUCTION (WALL MOUNTED), SEE DETAIL 18 / A12.50
E14 CLEARANCE HEIGHT, SEE DETAIL 19 / A12.50
E15 DO NOT ENTER 20 / A12.50
E16 ACCESSIBLE PARKING ID (AP), SEE DETAIL 21 / A12.50
E17 ACCESSIBLE PARKING ID (VAN), SEE DETAIL 21 / A12.50
E18 GREEN VEHICLE PARLING ONLY, SEE DETAIL 22 / A12.50
E19 ACCESSIBLE PASSENGER LOADING ZONE, SEE DETAIL 3 / A12.50 (2)

EXTERIOR

E20 PEDESTRIAN GATE ENTRY ID, SEE DETAIL 23 / A12.50
E21 STOP SIGN, SEE DETAIL 24 / A12.50
E22 ADDITIONAL PARKING (DIRECTIONAL SIGN) SEE DETAIL 25 / A12.50
E23 ONE WAY SIGN, SEE DETAIL 26 / A12.50
E24 DRIVE TEST AND VERIFICATION THIS WAY (DIRECTIONAL ARROW), SEE DETAIL 27 / A12.50
E25 EV CHARGING SPACE (UNATHORIZED VEHICLE), SEE DETAIL 28 / A12.50
E26 GREEN PARKING SPACE (UNAUTHORIZED VEHICLE), SEE DETAIL 29 / A12.50
E27 NO PARKING ANYTIME, SEE DETAIL 30 / A12.50
E28 BUILDING IDENTIFICATION SIGNAGE "STATE OF CALIFORNIA DEPARTMENT OF MOTOR VEHICLES ####", SEE ELEVATION 4/A3.00 AND DETAILS 27 / A12.61 AND 12 / A12.61
E29 NO PASSENGER LOADING/UNLOADING SEE DETAIL 5 / A12.50 (2)

LEGEND:

E00 E=EXTERIOR, B=BUILDING, I=INTERIOR; DESIGNATION (SEE SIGN SCHEDULE)
POLE / POST MTD. SIGN PANEL
MTD. SIGN PANEL
SUSPENDED SIGN PANEL
SOFFIT ABOVE (AT INTERIOR ONLY)

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SHEET TITLE

EXTERIOR SIGNAGE PLAN

SHEET NO.
A12.00

ISSUE DATE: JULY , 2023
V4

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

1 INTERIOR SIGNAGE PLAN
3/16" = 1'-0"

SIGNAGE KEY:

INTERIOR

A01 START HERE, SEE DETAIL 1 / A12.60
A02 WINDOW NUMBERS, SEE DETAIL 2 / A12.60
A03 SELF SERVICE AREA SIGN. SEE DETAIL 8 / A12.60
A04 EYE CHARTS, SEE DETAIL 9 / A12.61
A05 EVACUATION MAP, SEE DETAIL 5 / A12.60
A06 APPOINTMENT LINE, SEE DETAIL 6 / A12.60
A07 NON-APPOINTMENT LINE, SEE DETAIL 7 / A12.60
A08 CAMERA, SEE DETAIL 9 / A12.60
A09 CORRECTIONS, SEE DETAIL 9 / A12.60
A10 NOT USED
A11 FOR APPOINTMENTS, SEE DETAIL 11 / A12.60
A12 UNATTENDED CHILDREN, SEE DETAIL 12 / A12.60
A13 EXAMINATION AREA (SPANISH AND ENGLISH), SEE DETAIL 13 / A12.60
A14 NO CELL PHONES OR EQUIPMENT (SPANISH AND ENGLISH), SEE DETAIL 14 / A12.60
A15 CCTV MONITORING, SEE DETAIL 15 / A12.60
A16 NOTICE OF THREATENING, SEE DETAIL 16 / A12.60
A17 ROOM IDENTIFICATION SIGNAGE (WITH BRAILLE), SEE DETAIL 17 / A12.60 18 / A12.60
A18 TOILET ROOM IDENTIFICATION SIGNAGE (ACCESSIBLE), SEE DETAIL 24 / A12.60
A19 NOT USED
A20 FIRE EXTINGUISHER SIGN, SEE DETAIL 10 / A12.60
A21 ACCESSIBLE ENTRANCE DECAL, SEE DETAIL 21 / A12.60
A22 TOILET ROOM DOOR SIGNAGE (ACCESSIBLE), SEE DETAIL 27 / A12.60
A23 EXIT/EXIT ROUTE, SEE DETAIL 29 / A12.60
A24 ASSISTIVE LISTENING SIGN, SEE DETAIL 23 / A12.60
A25 NOT USED
A26 FIRE RISER ROOM IDENTIFICATION SIGNAGE, SEE DETAIL 26 / A12.60

SHEET NOTES:

1. REFER TO SIGNAGE DETAIL SHEETS A12.50 AND A12.60 F.A.I.
2. NO PREDRILLED HOLES ON SIGNAGE. HOLES (WHERE REQUIRED) SHALL BE DRILLED BY INSTALLER ON SITE AT THE TIME SIGNS ARE POSITIONED. ALL SIGNS LOCATED ON RAINSCREEN MATERIALS ARE TO BE MOUNTED WITH TWO-SIDED, PRESSURE SENSITIVE ACRYLIC FOAM CORE EXTERIOR-GRADE ADHESIVE TAPE.
3. SIGNS THAT PROHIBIT THE PUBLIC FROM ACTIONS SUCH AS : SKATEBOARDING, LOITERING, TRESPASSING, ETC. MUST HAVE THE APPROPRIATE PENAL AND OR MUNICIPAL CODES IDENTIFIED ON THEM TO ENSURE THEY ARE ENFORCEABLE.
4. CONTRACTOR TO PROVIDE SIGNS SHOWN ON THIS DRAWING AND UP TO AN ADDITIONAL (10) PROGRAM SIGNS REQUIRED BY DMV, i.e. HOURS OF OPERATION, MISC. PROGRAM SIGNS NOT INCLUDED IN THIS DRAWING.
5. COORDINATE ALL FINAL HEIGHTS AND SIGNAGE PLACEMENTS WITH ARCHITECT AND CLIENT.

LEGEND:

E00 E=EXTERIOR, B=BUILDING, I=INTERIOR
DESIGNATION (SEE SIGN SCHEDULE)
POLE / POST MTD. SIGN PANEL
MTD. SIGN PANEL
SUSPENDED SIGN PANEL
SOFFIT ABOVE (AT INTERIOR ONLY)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT
No. C-27624 Dec 31, 2021

AGENCY SUBMITTAL

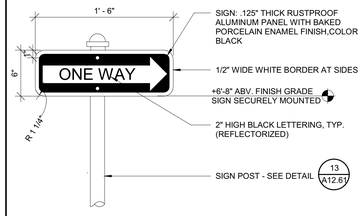
REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
INTERIOR SIGNAGE PLAN
SHEET NO.
A12.01

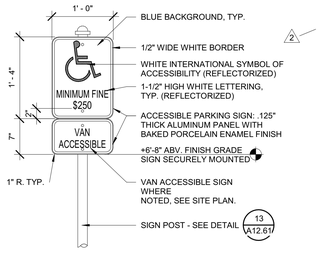
ISSUE DATE: JULY , 2021 V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



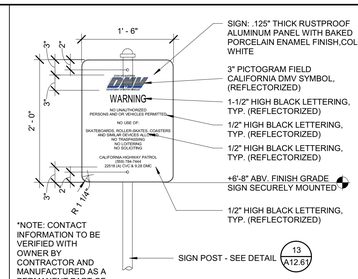
26 E23 - ONE WAY SIGN

1 1/2" = 1'-0"



21 E16/E17 - ACCESSIBLE PARKING STALL SIGN

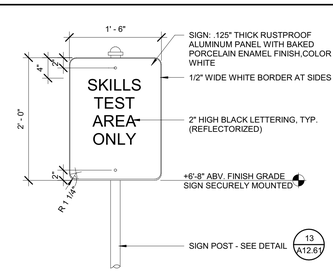
1" = 1'-0"



*NOTE: CONTACT INFORMATION TO BE VERIFIED WITH OWNER BY CONTRACTOR AND MANUFACTURED AS A PERMANENT PART OF THE SIGN.

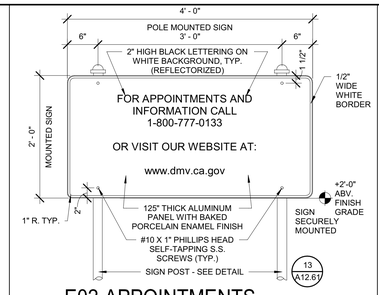
16 E12-NO UNAUTHORIZED PERSONS

1" = 1'-0"



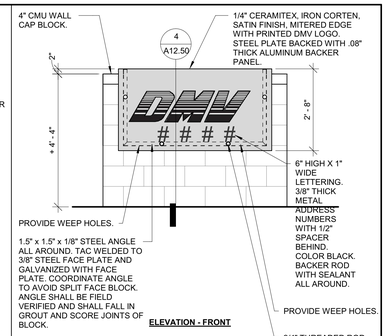
11 E08- SKILLS TEST AREA ONLY SIGN

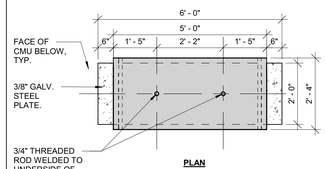
1" = 1'-0"



6 E02-APPOINTMENTS - GROUND SIGN

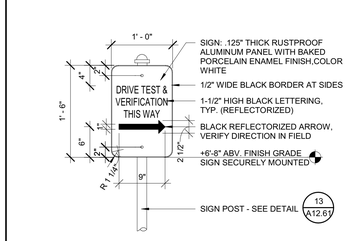
1" = 1'-0"





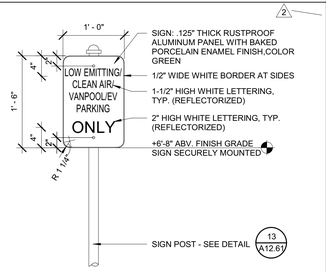
2 E01-EXTERIOR SIGNAGE - MONUMENT PLAN

1/2" = 1'-0"



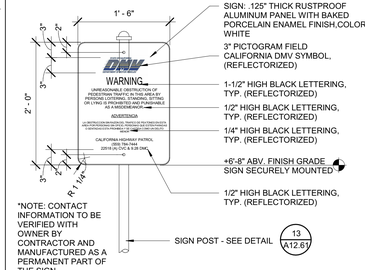
27 E24 - DRIVE TEST/ VERIFICATION DIRECTION SIGN

1" = 1'-0"



22 E18- GREEN VEHICLE PARKING ONLY

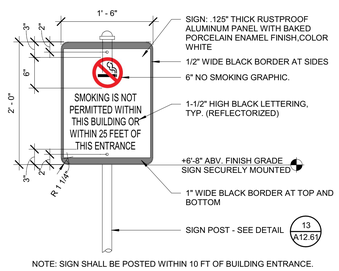
1" = 1'-0"



*NOTE: CONTACT INFORMATION TO BE VERIFIED WITH OWNER BY CONTRACTOR AND MANUFACTURED AS A PERMANENT PART OF THE SIGN.

17 E13-POLE MOUNTED UNREASONABLE OBSTRUCTION

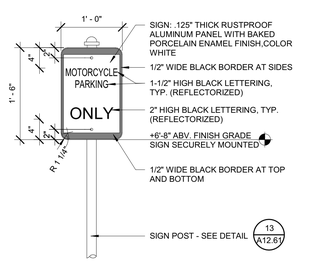
1" = 1'-0"



NOTE: SIGN SHALL BE POSTED WITHIN 10 FT OF BUILDING ENTRANCE.

12 E09-POLE MOUNTED-NO SMOKING

1" = 1'-0"

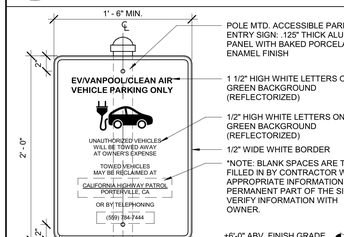


7 E04-MOTORCYCLE PARKING ONLY

1" = 1'-0"

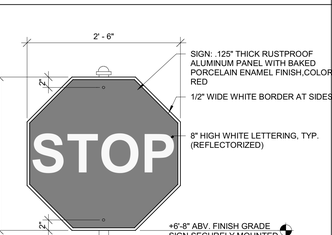
2 E01-EXTERIOR SIGNAGE - MONUMENT PLAN

1/2" = 1'-0"



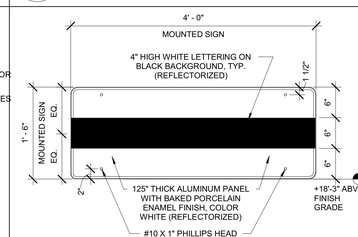
28 E25 - EV CHARGING SPACE UNAUTHORIZED VEHICLE

1 1/2" = 1'-0"



23 E20 - PEDESTRIAN ENTRANCE

1 1/2" = 1'-0"

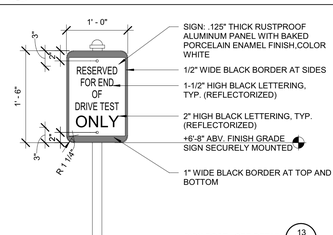


NOTES: DO NOT USE SCREWS OR FASTENERS THAT WILL PUNCTURE, DENT, OR DAMAGE MOUNTING SURFACE IN ANY WAY.

CONTACT INFORMATION TO BE VERIFIED WITH OWNER BY CONTRACTOR AND MANUFACTURED AS A PERMANENT PART OF THE SIGN.

18 E13-B-MOUNTED UNREASONABLE OBSTRUCTION

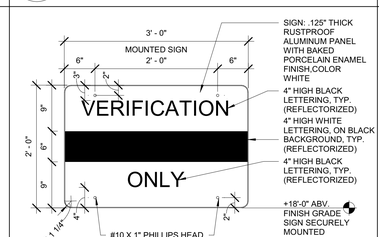
1" = 1'-0"



NOTE: DO NOT USE SCREWS OR FASTENERS THAT WILL PUNCTURE, DENT, OR DAMAGE MOUNTING SURFACE IN ANY WAY.
SIGN SHALL BE POSTED WITHIN 10 FT OF BUILDING ENTRANCE.

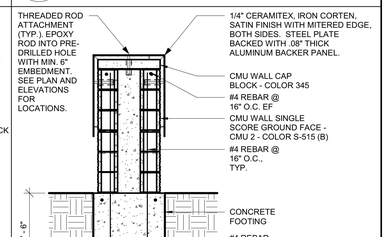
13 E09-B- WALL MOUNTED-NO SMOKING

1" = 1'-0"



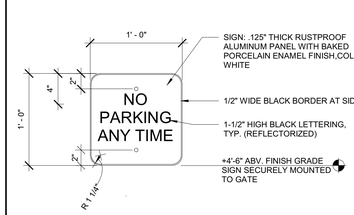
8 E05-TEST LANE ONLY

1" = 1'-0"



3 E19 - ACCESSIBLE LOADING ZONE SIGN

1" = 1'-0"



29 E26 - GREEN PARKING SPACE UNAUTHORIZED VEHICLE

1 1/2" = 1'-0"

24 E21 - STOP SIGN

1" = 1'-0"

19 E14-CLEARANCE HEIGHT

1" = 1'-0"

14 E10-END-DRIVE-TEST-ONLY

1" = 1'-0"

9 E06-VERIFICATION LANE

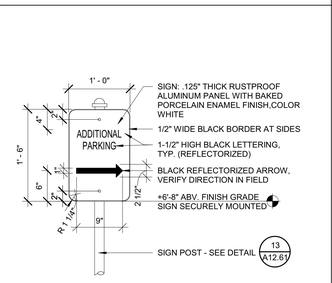
1" = 1'-0"

4 EXTERIOR SIGNAGE-MONUMENT SIGN - SECTION

1/2" = 1'-0"

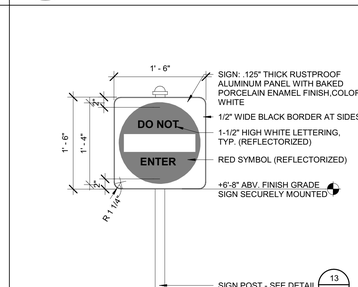
30 E27 - NO PARKING SIGN

1 1/2" = 1'-0"



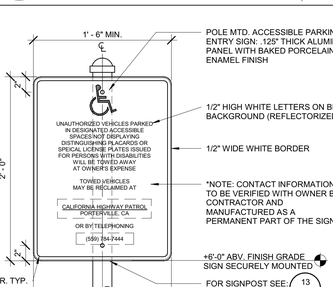
25 E22 - ADDITIONAL -PARKING

1" = 1'-0"



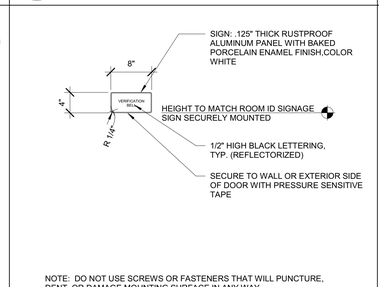
20 E15 - DO NOT ENTER

1" = 1'-0"



15 E11 - UNAUTHORIZED VEHICLE

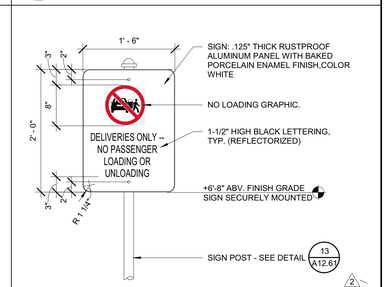
1 1/2" = 1'-0"



NOTE: DO NOT USE SCREWS OR FASTENERS THAT WILL PUNCTURE, DENT, OR DAMAGE MOUNTING SURFACE IN ANY WAY

10 E07-VERIFICATION BELL

1" = 1'-0"



5 E29-POLE MOUNTED-NO PASSENGER LOADING

1" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

REGISTERED ARCHITECT No. C-27624 Dec 31, 2021 STATE OF CALIFORNIA

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
2	DSA PLAN CHECK	7/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

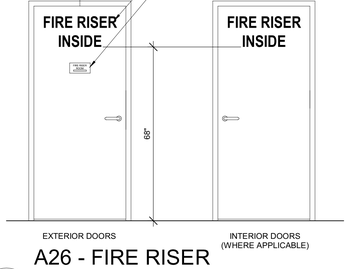
EXTERIOR SIGNAGE DETAILS

SHEET NO.

A12.50

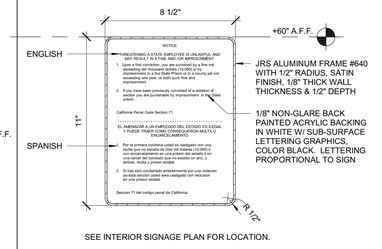
ISSUE DATE: JULY 2020 V3

ONE INCH = TWENTY FEET ONE—SIXTEENTH INCH = ONE FOOT ONE INCH = HALF FOOT ONE—EIGHTH INCH = ONE FOOT ONE INCH = QUARTER FOOT ONE—QUARTER INCH = ONE FOOT ONE INCH = ONE FOOT ONE—HALF INCH = ONE FOOT



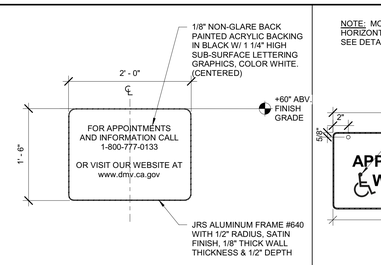
26 A26 - FIRE RISER DOOR SIGNAGE
1/2" = 1'-0"

21 A21-ACCESSIBLE ENTRANCE DECAL
3" = 1'-0"

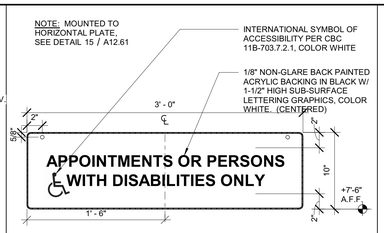


SEE INTERIOR SIGNAGE PLAN FOR LOCATION.

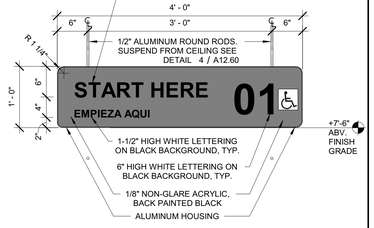
16 A16-NOTICE OF THREATENING
3" = 1'-0"



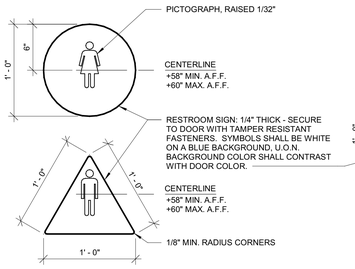
11 A11-FOR APPOINTMENTS/INFO
1" = 1'-0"



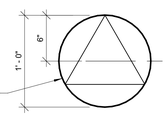
6 A06-APPOINTMENT LINE
1 1/2" = 1'-0"



1 A01-START HERE - SUSPENDED SIGN
1" = 1'-0"



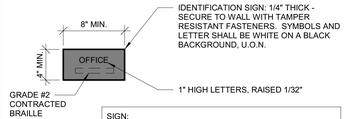
NOTE:
ALL SIGNAGE TO HAVE NON-GLARE FINISH, SANS SERIF UPPERCASE LETTERS. BRAILLE PLACEMENT TO BE 3/8" TO 1/2" DIRECTLY BELOW TACTILE CHARACTERS AND FLUSH LEFT OR CENTERED. REFER TO SPECIFICATIONS AND CBC 11B-703.



NOTE:
EASE ALL EDGES AND CORNERS, TYP.
PER SPECIFICATION SECTION 10 14 00.
SEE 4/A12.60 FOR MOUNTING LOCATIONS.

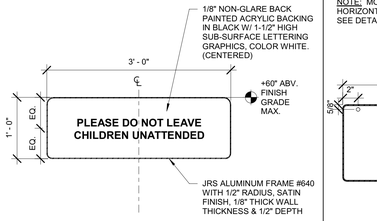
27 A22-ACCESSIBLE TOILET ROOM DOOR SIGNAGE
1 1/2" = 1'-0"

NOTE:
ALL SIGNAGE TO HAVE NON-GLARE FINISH, SANS SERIF UPPERCASE LETTERS. BRAILLE PLACEMENT TO BE 3/8" TO 1/2" DIRECTLY BELOW TACTILE CHARACTERS AND FLUSH LEFT OR CENTERED. REFER TO SPECIFICATIONS AND CBC 11B-703.
WHERE SIGNAGE IS TO BE MOUNTED TO GLASS, PROVIDE COLORED VINYL BACKER. COLOR TO BE SELECTED BY ARCHITECT, SEE DETAIL 20 / A12.60

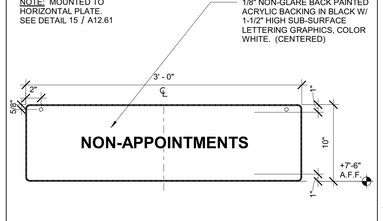


SIGN:
PER SPECIFICATION SECTION 10 14 00.
SEE DETAIL 30 / A12.60
FOR STANDARD MOUNTING LOCATION.
SEE DETAIL 18 / A12.60
FOR DOORS WITH NO ADJACENT LOCATION.

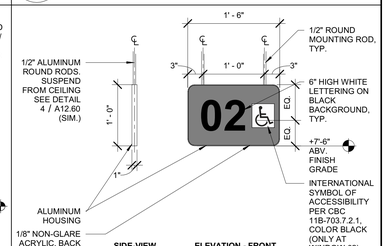
17 A17-ROOM IDENTIFICATION SIGNAGE
1 1/2" = 1'-0"



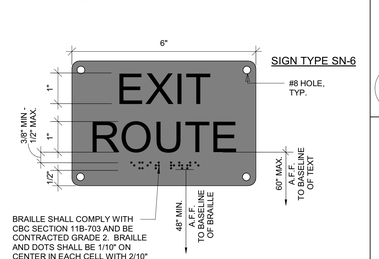
12 A12-UNATTENDED CHILDREN
1" = 1'-0"



7 A07-NON-APPOINTMENT LINE
1 1/2" = 1'-0"



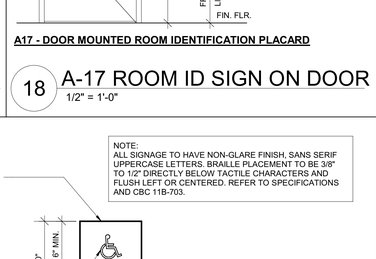
2 A02-WINDOW NUMBERS-SUSPENDED SIGN
1" = 1'-0"



NOTE:
1/4" THICK ACRYLIC PLASTIC PLAQUE. SECURE TO SURFACE WITH TAMPER RESISTANT FASTENERS. SYMBOLS AND LETTERING SHALL BE WHITE ON A BLACK BACKGROUND U.O.N. BACKGROUND COLOR SHALL CONTRAST WITH BACKGROUND COLOR. IF MOUNTED ON GLASS SIDELIGHT, PROVIDE MATCHING PLATE AND INSTALL ON OPPOSITE SIDE OF GLASS.

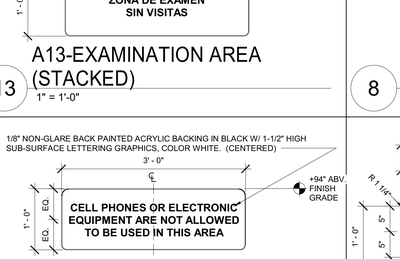
29 A23-INTERIOR SIGNAGE-TACTILE EXIT/EXIT ROUTE SIGNS
6" = 1'-0"

23 INTERIOR SIGNAGE-A24 ASSISTIVE LISTENING SIGN
1 1/2" = 1'-0"

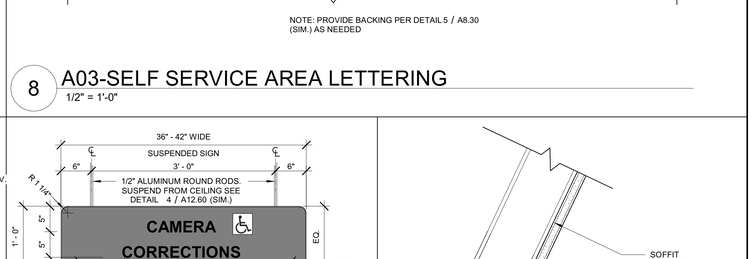


A17 - DOOR MOUNTED ROOM IDENTIFICATION PLACARD

18 A-17 ROOM ID SIGN ON DOOR
1/2" = 1'-0"



13 A13-EXAMINATION AREA (STACKED)
1" = 1'-0"



NOTE: PROVIDE BACKING PER DETAIL 5 / A8.30 (SIM.) AS NEEDED

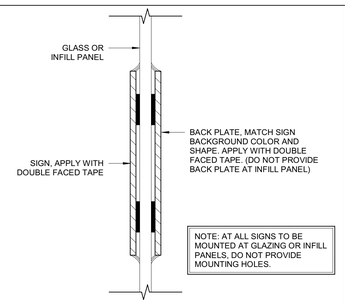
8 A03-SELF SERVICE AREA LETTERING
1/2" = 1'-0"

30 ACCESSIBLE DOOR MOUNTING HEIGHTS
1/2" = 1'-0"

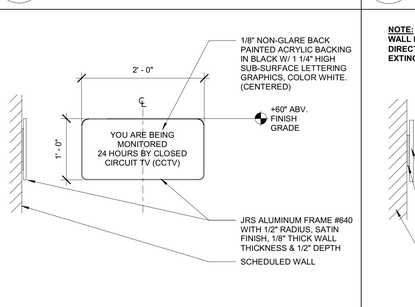
CBC 2010 SECTIONS 1005.3 AND 1117B.5.7

SIGN:
PER SPECIFICATION SECTION 10 14 00.
SEE 4&10/A12.60 FOR MOUNTING LOCATIONS.

24 A18-ACCESSIBLE TOILET ROOM IDENTIFICATION SIGNAGE
1 1/2" = 1'-0"



20 SIGN MOUNTING AT GLAZING
3" = 1'-0"



14 A14-NO CELL PHONES OR EQUIPMENTS (STACKED)
1" = 1'-0"

15 A15-CCTV MONITORING
1" = 1'-0"

10 INTERIOR SIGNAGE-A20-FIRE EXTINQUISHER SIGN
1 1/2" = 1'-0"

SEE INTERIOR SIGNAGE PLAN FOR LOCATION.

5 A05-EVACUATION MAP
3" = 1'-0"

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DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

No. C-27624
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
INTERIOR SIGNAGE DETAILS
SHEET NO.
A12.60

ISSUE DATE: JULY 2003 V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
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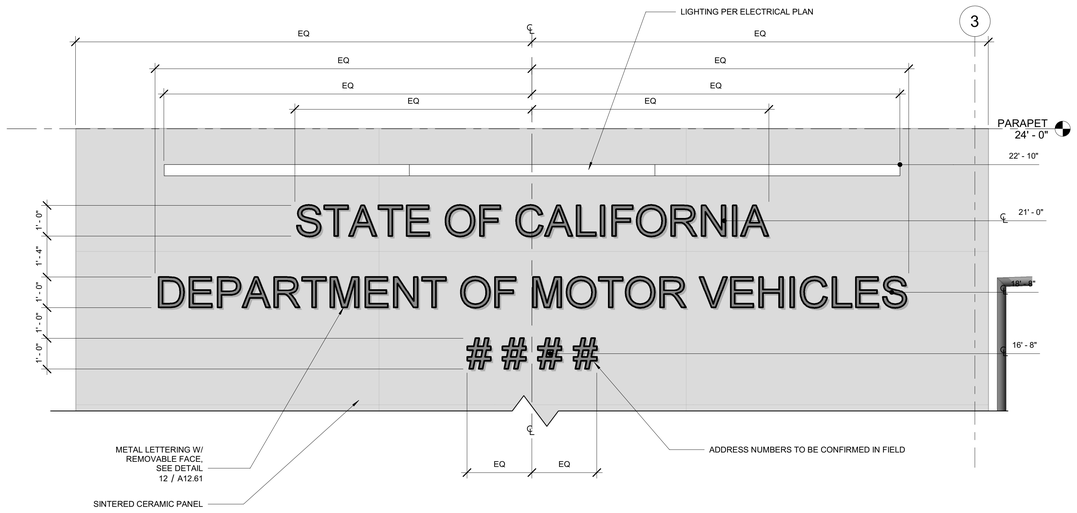
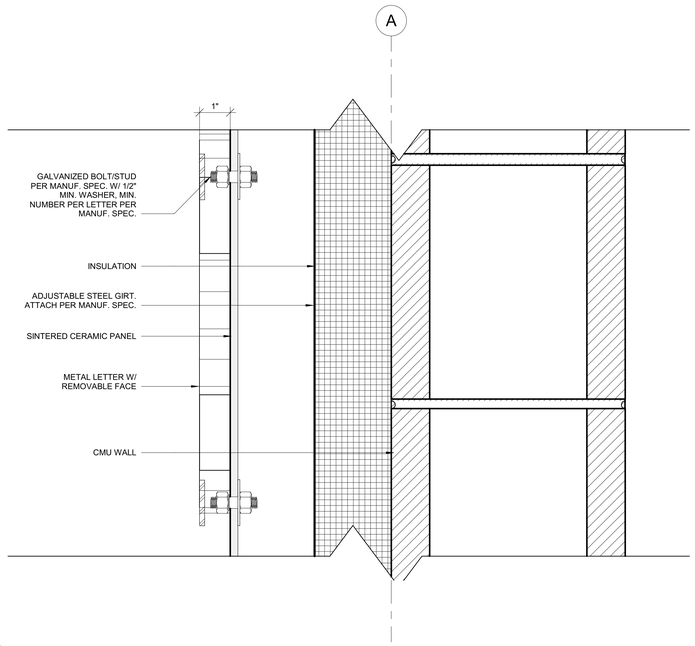
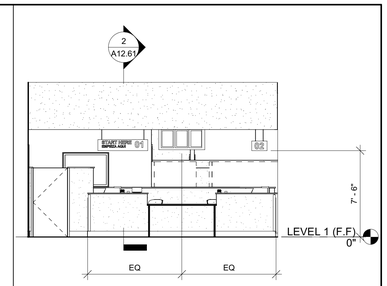


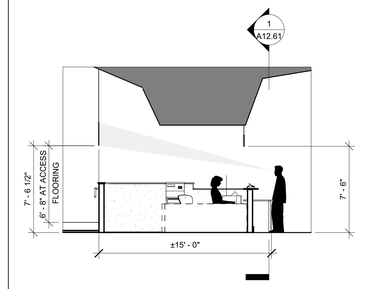
27 FACADE LETTERING
1/2" = 1'-0"



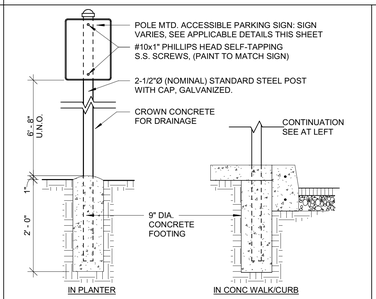
12 SIGN LETTER MOUNTING
6" = 1'-0"



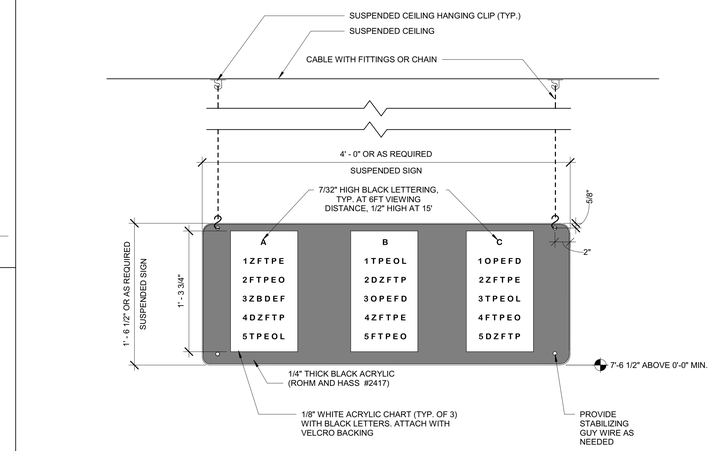
1 ELEVATION- START HERE
3/16" = 1'-0"



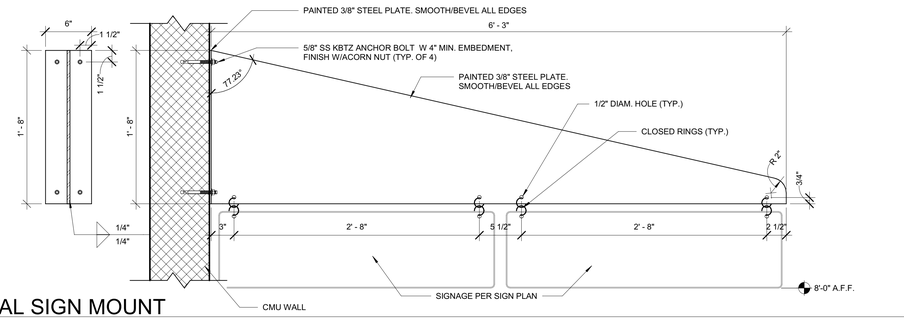
2 SECTION - START HERE
3/16" = 1'-0"



13 SIGNPOST
3/4" = 1'-0"



9 A04-EYE-CHARTS- SUSPENDED SIGN
1 1/2" = 1'-0"



15 HORIZONTAL SIGN MOUNT
1 1/2" = 1'-0"

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P 916.329.4000

No. C-27624
Dec 31, 2021
ARCHITECT

AGENCY SUBMITTAL

REVISIONS

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SIGNAGE DETAILS
SHEET NO.
A12.61

ISSUE DATE: JULY , 2020 V3

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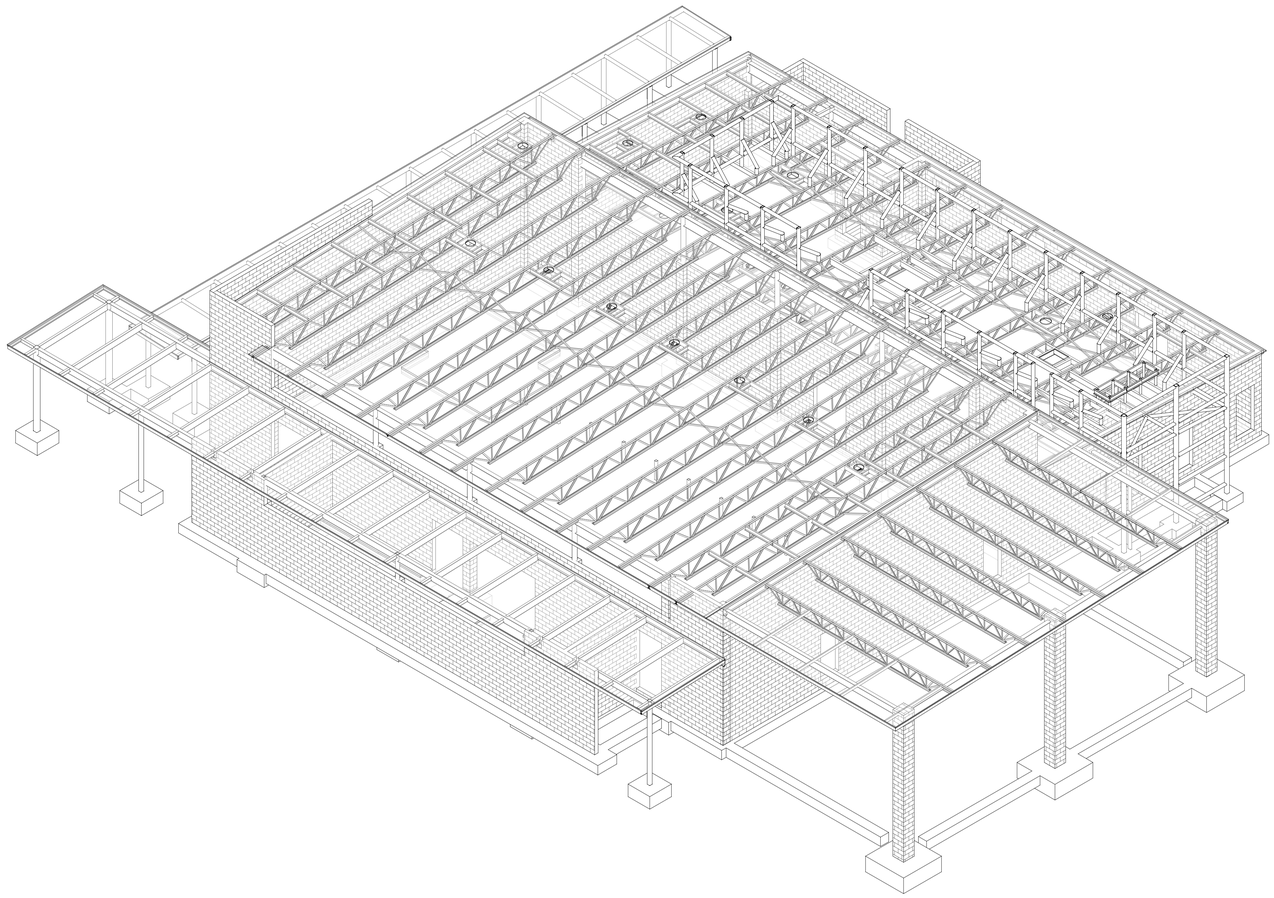
ONE AND ONE-HALF INCH = ONE FOOT

0088

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES

DELANO, CA

CALIFORNIA DEPARTMENT OF GENERAL SERVICES



STRUCTURAL AXONOMETRIC VIEW

STRUCTURAL SHEET INDEX	
S0.0	COVER
S0.1	GENERAL NOTES
S0.2	GENERAL NOTES
S0.3	STRUCTURAL SPECIAL INSPECTIONS & TESTING
S2.1	FOUNDATION PLAN
S2.2	LOW ROOF FRAMING PLAN
S2.3	ROOF FRAMING PLAN
S3.1	SECTIONS
S3.2	SECTIONS
S3.3	SECTIONS
S3.4	SECTIONS
S4.1	ELEVATIONS
S4.2	ELEVATIONS
S5.1	CONCRETE DETAILS
S5.2	MASONRY DETAILS
S5.3	TYPICAL STEEL DETAILS
S5.4	DETAILS
S5.5	DETAILS
S5.6	DETAILS
S7.1	METAL STUD EXTERIOR DETAILS
S7.2	METAL STUDS INTERIOR DETAILS
S7.3	METAL STUDS COMMON DETAILS

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CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

BUEHLER
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916 443 0303

LAWRENCE E. JONES, No. 3138, 04/08/2020, STRUCTURAL, STATE OF CALIFORNIA

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P 916.329.4000

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SHEET TITLE

COVER

SHEET NO.

S0.0

ISSUE DATE: JULY , 2020 V3

GENERAL NOTES

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

GENERAL NOTES
1003N001-1

1. INTERPRETATION OF DRAWINGS & SPECIFICATIONS
   a. WHERE SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT, THEY ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS.
   b. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL BE IDENTICAL OR SIMILAR TO LIKE CASES OF CONSTRUCTION THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
   c. SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTIONS FROM THE OWNER, THEN HE SHALL HAVE NO VALID CLAIM AGAINST THE OWNER FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.
2. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.
3. SHOP DRAWING NOTE:
   a. WHEN NOT ADDRESSED BY DIVISION 1 OF THE SPECIFICATIONS, PAPER FORMAT STRUCTURAL SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF THREE COPIES MINIMUM OF EACH SHEET. WHERE SUBMITTALS ARE ELECTRONIC, FORMAT SHALL BE PDF.
   b. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE STRUCTURAL ENGINEER THAT HE UNDERSTANDS THE DESIGN CONCEPT, INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE ON A STAND ALONE SET OF DOCUMENTS. DUPLICATION OF DESIGN DOCUMENTS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
   c. PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, STRUCTURAL STEEL, REINFORCING STEEL, & GLUE-LAMINATED BEAMS.
   d. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
   e. SHOP DRAWING SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
   f. ANY DETAIL ON THE SHOP DRAWINGS THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS IS A CHANGE".
   g. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE RESUBMITTAL FOR RE-REVIEW SHALL BE BILLED HOURLY FOR EACH SUBMITTAL TO THE CONTRACTOR. RE-REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
4. SAFETY NOTE:
   a. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
   b. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED. SHORING INDICATIONS (LOCATION, DIRECTION, DURATION, ETC.) ARE ONLY SHOWN ON THE STRUCTURAL DWGS WHEN REQUIRED TO IMPLEMENT THE DESIGN INTENT OF THE FINAL WORK PRODUCT. DETERMINATION WHETHER SHORING IS REQUIRED FOR TEMPORARY OR INTERMEDIATE CONDITIONS DURING CONSTRUCTION IS WHOLLY THE RESPONSIBILITY OF THE CONTRACTOR.
   c. THE OWNER AND THE STRUCTURAL ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTORS FAILURE TO COMPLY WITH THESE REQUIREMENTS.
5. THE CONTRACTOR SHALL NOTIFY THE STATE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN CASE OF A CONFLICT BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PRIOR TO COMMENCING ANY WORK.
6. WHEN CONSTRUCTION ATTACHES TO OR IS WITHIN AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THESE DRAWINGS FROM THE OWNER (IF THEY ARE AVAILABLE).
7. CONTRACTOR SHALL PROVIDE AN ALLOWANCE EQUAL TO 2% OF THE BID FOR STRUCTURAL STEEL, MISC. IRON AND REINFORCING STEEL TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEER. UNUSED AMOUNT TO REVERT TO THE OWNER UPON COMPLETION OF THE JOB.
8. ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
9. DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT OR STRUCTURAL ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
10. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY LOCAL BUILDING OFFICIALS AND THE OWNER AND SIGNED BY THE STRUCTURAL ENGINEER.

ABBREVIATIONS
1003N003-1

(A)	OCCURS ABOVE	JH	JOIST HANGER
AB	ANCHOR BOLT	LL	LIVE LOAD
ABV	ABOVE	LLH	LONG LEG HORIZONTAL
ADDL	ADDITIONAL	LLV	LONG LEG VERTICAL
AHU	AIR HANDLING UNIT	LONGIT	LONGITUDINAL
ALT	ALTERNATE	LS	LAG SCREW
APPROX	APPROXIMATE	LW	LIGHTWEIGHT
ARCH	ARCHITECTURAL	MECH	MECHANICAL
(B)	OCCURS BELOW	MFR	MANUFACTURER
BLDG	BUILDING	MI	MALLEABLE IRON
BLKG	BLOCKING	Mk	MARK
BLW	BELOW	MTL	METAL
BM	BEAM	(N)	NEW
B.O.	BOTTOM OF	NIC	NOT IN CONTRACT
BOF	BOTTOM OF FOOTING	NS	NEAR SIDE
BOT	BOTTOM	NTS	NOT TO SCALE
BRCG	BRACING	NW	NORMAL WEIGHT
BRG	BEARING	O/	OVER
BTWN	BETWEEN	OH	OPPOSITE HAND
BYND	BEYOND	OPNG	OPENING
CC	CENTER TO CENTER	OSB	ORIENTED STRAND BOARD
CG	CENTER OF GRAVITY	PC	PIECE
CJ	CONSTRUCTION JOINT	PERP	PERPENDICULAR
CJP	COMPLETE JOINT PENETRATION	PJP	PARTIAL JOINT PENETRATION
℄	CENTERLINE	PL	PLATE
CLG	CEILING	PT	PRESSURE TREATED
CLR	CLEAR	PW	PUDDLE WELD
CMU	CONCRETE MASONRY UNIT	REINF	REINFORCING OR REINFORCEMENT
COL	COLUMN	REQD	REQUIRED
CONC	CONCRETE	RWD	REDWOOD
CONN	CONNECTION	SC	SLIP CRITICAL
CONT	CONTINUOUS	SCH	SCHEDULE
CONTR	CONTRACTOR	SEOR	STRUCTURAL ENGINEER OF RECORD
COORD	COORDINATE	SHTG	SHEATHING
CSK	COUNTERSINK	SIM	SIMILAR
DBL	DOUBLE	SJ	SLAB CONTROL JOINT
DF	DOUGLAS FIR	SMS	SHEET METAL SCREW
DIAG	DIAGONAL	SOG	SLAB-ON-GRADE
DL	DEAD LOAD	SP	STRUCTURAL PANEL
DWG	DRAWING	SPCG	SPACING
(E)	EXISTING	SQ	SQUARE
EA	EACH	STD	STANDARD
EF	EACH FACE OR EDGE FASTENER	STFNR	STIFFENER
EJ	EXPANSION JOINT	STGRD	STAGGERED
ELEV	ELEVATION	STL	STEEL
EN	EDGE NAILING	STRUCT	STRUCTURAL
EOS	EDGE OF SLAB	SW	SHEAR WALL
EQ	EQUAL	T&B	TOP & BOTTOM
EW	EACH WAY	T&G	TONGUE & GROOVE
FB	FACE OF BLOCK/BRICK OR FLAT BAR	THRD	THREADED
FC	FACE OF CONCRETE	TN	TOE NAIL
FDN	FOUNDATION	T.O.	TOP OF
FF	FINISH FLOOR	TOC	TOP OF CONCRETE (SLAB UNO)
FRMG	FRAMING	TOF	TOP OF FOOTING OR TOP OF FRAMING
FRT	FIRE RETARDANT TREATED	TOS	TOP OF STEEL
FS	FACE OF STUD OR FAR SIDE	TOW	TOP OF WALL
FTG	FOOTING	TRANS	TRANSVERSE
GA	GAUGE OR GAGE	TYP	TYPICAL
GALV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GLB	GLUED LAMINATED BEAM	VERT	VERTICAL
GR	GRADE	VIF	VERIFY IN FIELD
GYP	GYPSUM	WF	WIDE FLANGE
HD	HOLDOWN	WHS	WELDED HEADED STUD
HDR	HEADER	WP	WORK POINT
HGR	HANGER	WS	WOOD SCREW
HK	HOOK	WWF	WELDED WIRE FABRIC
HORIZ	HORIZONTAL	XS	EXTRA STRONG
HSB	HIGH STRENGTH BOLT	XXS	DOUBLE EXTRA STRONG
HSS	HOLLOW STRUCTURAL SECTION	ø	ROUND OR DIAMETER
HT	HEIGHT		

DESIGN CRITERIA
1003N002-1

1. CODES AND STANDARDS
   2019 CALIFORNIA BUILDING CODE (CBC)
   ASCE 7-16
   ACI 318-14
   AISC 360-16, 341-16, 358-16
   AISI S100-16, S200-16, S213-07/S1-09 (2016)
   TMS 402-16/ACI 530-16/ASCE 5-16
   TMS 602-16/ACI 530.1-16/ASCE 6-16
   2018 NDS, 2015 SDPWS
2. VERTICAL LOADS
   ROOF LIVE LOAD = 20 PSF
   FLOOR PARTITION LIVE LOAD = 15 PSF
   FLOOR LIVE LOAD = 100 PSF
   FLOOR LIVE LOAD-ACCESS FLOOR = 50 PSF
   LIVE LOADS ARE REDUCED WHERE PERMITTED BY CODE.
3. SOILS VALUES
   ALLOWABLE SOILS PRESSURE
   a. DL 2000 PSF
   b. DL + LL 3000 PSF
   c. DL + LL + SEISMIC 4000 PSF

   FOOTING
   MINIMUM DEPTH = 12"
   MINIMUM WIDTH = 12"
4. LATERAL LOADS
   SEISMIC:
   SITE CLASS D C_S = 0.11
   S_S = 0.760 ; S_{DS} = 0.606
   S_1 = 0.308 ; S_{D1} = 0.366
   R = 5 ; I_E = 1.0
   Ω_0 = 2.5 ; C_D = 3.5
   I_P = 1.0 TYPICAL
   I_P = 1.5 PER ASCE 7-16 SECT 13.1.3
   RISK CATEGORY: II
   SEISMIC DESIGN CATEGORY: D
   SEISMIC BASE SHEAR
   = 120 KIPS (NS DIR.)
   = 125 KIPS (EW DIR.)
   SEISMIC FORCE RESISTING SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALLS

   ANALYSIS PROCEDURE:
   EQUIVLENT LATERAL FORCE
   WIND:
   V_{ULT} = 95 MPH ; V_{ASD} = 75 MPH
   RISK CATEGORY: II
   EXPOSURE CATEGORY: C
   GC_{PI} = 0.18

FOUNDATIONS
2003N001-1

1. ALL FOUNDATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOILS REPORT # NOA NO.1174513.018 DATED JANUARY 10,2018 .
2. FOUNDATIONS SHALL BEAR ON ENGINEERED FILL.
   SEE NOTES AND DETAILS ON SHEET **S5.1**
3. ALL FILLING, BACKFILLING AND COMPACTION SHALL BE DONE UNDER THE OBSERVATION OF A REPRESENTATIVE OF THE SOILS ENGINEER AND MUST BE COMPACTED TO THE MINIMUM DENSITY SPECIFIED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE SOILS REPORT.
4. BUILDING PAD CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SOILS REPORT. THE EXTENT AND DEPTH OF OVEREXCAVATION AND PLACEMENT OF ENGINEERED FILL SHALL AT A MINIMUM BE AS SHOWN ON THE PLANS. FINAL DEPTH AND EXTENT OF EXCAVATION AND FILL SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY A REPRESENTATIVE OF THE SOILS ENGINEER. FOUNDATION DEPTHS INDICATED ON PLANS ARE FOR ESTIMATING PURPOSES ONLY.
5. BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL. CHANGES IN BOTTOM OF FOUNDATION ELEVATION SHALL BE MADE ACCORDING TO STEPPED FOOTING DETAIL ON THE TYPICAL DETAIL SHEET.
6. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE EXCAVATIONS ARE STABLE (AS DETERMINED BY A REPRESENTATIVE OF THE SOILS ENGINEER), OTHERWISE, FOUNDATIONS SHALL BE FULLY FORMED. USE MINIMUM PLANKING SHOWN TO PROTECT AGAINST SLOUGHING, AS REQUIRED. PLANKING DOES NOT REPLACE FORMWORK REQUIRED TO STABILIZE EXCAVATION.

7. THE SURFACE OF ALL HORIZONTAL CONSTRUCTION JOINTS SHALL BE CLEANED & ROUGHENED BY EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MATRIX.
8. NOTIFY STRUCTURAL ENGINEER 48 HOURS BEFORE CASTING FOUNDATIONS.
9. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
   a. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
   b. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED AND;
   c. THE FOUNDATION EXCAVATION DEPTH AND MATERIAL ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY; AND FORMING COMPLY WITH THE SOILS REPORT AND APPROVED PLAN.

CONCRETE
3003N001-1

1. STRUCTURAL CONCRETE SHALL ATTAIN 28 DAY COMPRESSIVE STRENGTH AS REQUIRED IN NOTE #28. MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES.
2. CONCRETE MIX DESIGNS SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER, REVIEWED BY OWNER'S TESTING LABORATORY AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
3. CEMENTITIOUS MATERIALS:
   CEMENT SHALL CONFORM TO ASTM C-150 TYPE II OR V.
   FLY ASH SHALL CONFORM TO ASTM C-618. MAX. QUANTITY OF FLY ASH SHALL BE 25% OR AS GIVEN IN SPECS.
4. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE AND ASTM C-330 FOR LIGHTWEIGHT CONCRETE.
5. NON-SHRINK GROUT OR DRYPACK SHALL CONSIST OF A PREMIXED NONMETALLIC FORMULA.
6. REINFORCING STEEL BAR ALL CONFORM TO ASTM A-615 GRADE 60 UNO. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706 GRADE 60. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES. REINFORCING STEEL IN SPECIAL REINFORCED SHEAR WALLS OR MOMENT FRAMES, EXCEPT TIES AND STIRRUPS, SHALL BE ASTM A-706.
7. ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.4 LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY/SPECIAL INSPECTOR. WELDERS FOR ALL REBAR WELDING TO THE LABORATORY.
8. REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
9. WIRE FABRIC SHALL CONFORM TO ASTM A-185.
10. DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF BARS LISTED AND DENOTE CLEAR COVERAGE. NON-PRESTRESSED, CAST-IN-PLACE CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO:
    CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)------- 3"
    CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS:
    #5 AND SMALLER-- 1-1/2"
    #6 AND LARGER--- 2"
    BEAMS & COLUMNS (TIES)-- 1-1/2"
    BEAMS & COLUMNS (MAIN REINFORCING)------------------------- 2"
    CAST-IN-PLACE WALLS (EXTERIOR FACE & SOIL SIDE)---------- SEE ABOVE
    CAST-IN-PLACE WALLS (INTERIOR FACE-#11 & SMALLER)-------- 3/4"
    TILT-UP WALLS--- SEE DETAILS
    SLABS (ON FORMS)-- 3/4"
    SLABS (ON GRADE)-- 2" CLEAR FROM TOP UNO
11. SPLICES IN CONTINUOUS REINFORCEMENT SHALL BE LAPPED UNO, SEE SCHEDULE THIS SHEET. SPLICES IN ADJACENT BARS SHALL BE GREATER THAN 5'-0" APART. SPLICE CONTINUOUS BARS IN SOIL-BEARING GRADE BEAMS, STRUCTURAL SLABS ON GRADE AND MAT FOUNDATIONS AS FOLLOWS UNO: TOP BARS AT CENTERLINE OF SUPPORT; BOTTOM BARS AT MID-SPAN. SPLICE CONTINUOUS BARS IN ELEVATED SLABS AND BEAMS, ETC. AS FOLLOWS UNO: TOP BARS AT MID-SPAN; BOTTOM BARS AT CENTERLINE OF SUPPORT. ALL BARS SIZE #11 AND LARGER SHALL BE CONTINUOUS FOR FULL LENGTH SHOWN OR SPLICED WITH MECHANICAL COUPLERS AS NOTED IN DETAILS. SPLICES IN WWF SHALL BE 1-1/2 MESHES WIDE.
12. THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE LARGER OF BAR DIAMETER, 1", OR 33% GREATER THAN THE MAXIMUM AGGREGATE SIZE (NOMINAL), WHICHEVER IS GREATEST. THIS REQUIREMENT ALSO APPLIES TO THE CLEAR SPACING BETWEEN DIFFERENT LAYERS OF PARALLEL BARS AND TO THE CLEAR DISTANCE BETWEEN A CONTACT LAP SPLICE AND ADJACENT SPLICES OR BARS.
13. ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED. AT WALLS, PROVIDE HOOKS AT ENDS OF ALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS, UNO.
14. CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SAND BLASTING, OR RAKING THE SURFACE TO PROVIDE 1/4" DEEP DEFORMATIONS.
15. REMOVE ALL DEBRIS FROM FORMS BEFORE CASTING ANY CONCRETE.
16. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
17. ANCHOR BOLTS (AB'S) CAST IN CONCRETE FOR WALL SILL AND LEDGER APPLICATIONS SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307, UNO. REFER TO "WOOD" NOTES FOR ADDITIONAL REQUIREMENTS FOR BOLTS IN CONTACT WITH PRESSURE TREATED OR FIRE RETARDANT MATERIAL. REFER TO "STRUCTURAL STEEL" NOTE FOR REQUIREMENTS FOR ANCHOR RODS (AR'S) CAST IN CONCRETE FOR COLUMN BASE PLATE AND STEEL EMBED APPLICATIONS.
18. WALLS SHALL BE CAST IN HORIZONTAL LAYERS OF 2'-0" MAXIMUM DEPTH.
19. CONCRETE IN WALLS, PIERS OR COLUMNS SHALL SET AT LEAST 2 HOURS BEFORE PLACING CONCRETE IN BEAMS, SPANDRELS, OR SLABS SUPPORTED THEREON.
20. HORIZONTAL WALL BARS IN MULTI-CURTAIN CAST IN PLACE WALLS SHALL BE STAGGERED.
21. DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH SAME SIZE BAR.
22. CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT TYPE OF CONCRETE AND PROJECT CONDITIONS. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES HOPPERS AND CHUTES OR TRUNKS OF VARIABLE LENGTHS SHALL BE USED SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 5 FEET.
23. NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
24. ADDITIONAL REINFORCING IN PRECAST OR TILT-UP PANELS REQUIRED FOR LIFTING STRESSES SHALL BE SUPPLIED BY CONTRACTOR.
25. PROVIDE #5 X 4'-0" DIAGONAL REINFORCING AT TOP AND BOTTOM OF SLAB AT ALL RE-ENTRANT CORNERS TYPICAL. THIS APPLIES TO SLAB ON GRADE, CONCRETE OVER METAL DECK, AND ELEVATED STRUCTURAL SLAB CONDITIONS.
26. ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE SAW BLADE, BUT BEFORE INITIAL SHRINKAGE HAS OCCURRED.
27. NOTIFY STRUCTURAL ENGINEER A MINIMUM OF 48 HOURS BEFORE PLACING ANY CONCRETE.
28. CONCRETE STRENGTHS & MIX PROPERTIES:

ITEM		F'C @ 28 DAYS	MAX AGGR. SIZE	WEIGHT	MAX W/CM* RATIO
a.	FOUNDATIONS, ELEVATOR PITS, TIE BEAMS	3000 PSI	1-1/2"	NW	0.58
b.	SLAB ON GRADE SITE & MISCELLANEOUS - SEE CIVIL OR ARCH'L DRAWINGS	3500 PSI	1"	NW	0.45

* W/CM = WATER : CEMENTITIOUS MATERIAL RATIO

REINFORCEMENT LAP SPLICE SCHEDULE — ACI 318 CBC/IBC
(ALL LENGTHS SHOWN ARE IN INCHES.)

fc' = 3000 PSI CONC

SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	28	37	47	56	81	93	105	118	131
	OTHER	22	29	36	43	63	72	81	91	101

fc' = 3500 PSI CONC

SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	26	35	43	52	75	86	97	109	121
	OTHER	20	27	33	40	58	66	75	84	93

fc' = 4000 PSI CONC

SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	24	32	40	48	70	80	91	102	113
	OTHER	19	25	31	37	54	62	70	79	87

fc' = 5000 PSI CONC

SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	22	29	36	43	63	72	81	91	101
	OTHER	17	22	28	33	49	55	63	70	78

NOTES:
1. SCHEDULE APPLIES TO NORMAL WEIGHT CONCRETE WITH UNCOATED, GRADE 60 REINFORCING STEEL FOR #3 BARS AND LARGER.
2. TOP REINFORCEMENT IS HORIZONTAL REINFORCEMENT LOCATED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE SPLICE.
3. WHEN LIGHTWEIGHT CONCRETE IS USED, MULTIPLY LAP LENGTHS BY 1.30.
4. WHERE CLEAR SPACING OF BARS BEING SPLICED IS LESS THAN 2 BAR DIA. OR WHERE CLEAR COVER OF BARS BEING SPLICED IS LESS THAN 1 BAR DIA., MULTIPLY LAP LENGTHS BY 1.50, UNO.
5. WHERE NOTES #3 AND #4 OCCUR, MULTIPLY LAP LENGTHS BY 2.00, UNO.
6. WHERE CLASS A LAP SPLICE IS NOTED IN DETAIL, DIVIDE LENGTHS ABOVE BY 1.30.

STRUCTURAL STEEL
5003N001-1

1. FABRICATION, ERECTION AND MATERIALS SHALL CONFORM WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, AND THE CALIFORNIA BUILDING CODE, LATEST EDITIONS UNO IN THE DESIGN CRITERIA NOTES.
2. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM WITH ASTM A992. ALL OTHER STRUCTURAL STEEL ROLLED SHAPES (CHANNELS, ANGLES, ETC) AND PLATES SHALL CONFORM WITH ASTM A36, UNO.
3. STEEL PIPE SHALL CONFORM TO ASTM A53, TYPES E OR S, GRADE B.
4. ALL HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B.
5. ALL STRUCTURAL STEEL SHALL RECEIVE A MINIMUM OF ONE SHOP COAT OF RED PRIMER PAINT. DO NOT PAINT AREAS TO BE FIELD WELDED, FIREPROOFED, GALVANIZED, TO RECEIVE SLIP-CRITICAL HIGH STRENGTH BOLTS, OR TO BE EMBEDDED IN CONCRETE. TIME OF CONTROLLED PAINTING AS NOTED IN THE SPECIFICATIONS.
6. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE. CONTRACTOR RESPONSIBLE FOR REVIEWING ALL BASE PLATE AND SUPPORT CONDITIONS DURING ERECTION AND BRACING AS REQUIRED. SEE AISC AND OSHA REQUIREMENTS.
7. PLACE NON-SHRINK GROUT UNDER ALL BASE PLATES BEFORE ADDING VERTICAL LOAD.
8. STRUCTURAL STEEL BELOW GRADE SHALL HAVE 3 INCHES MINIMUM OF CONCRETE COVER.
9. BOLTED CONNECTIONS:
   a. BOLTED CONNECTIONS SHALL CONSIST OF UNFINISHED BOLTS CONFORMING TO ASTM A307 UNO. WHERE HIGH STRENGTH BOLTS ARE INDICATED, BOLTS CONFORMING TO ASTM A325 OR ASTM A490 AS SPECIFIED SHALL BE PROVIDED. ANCHOR RODS CAST IN CONCRETE OR MASONRY SHALL BE HEADED BOLTS WITH CUT THREAD, FULL DIAMETER BODY STYLE CONFORMING TO ASTM F1554 GR. 36, 55 (WELDABLE PER S1 SUPPLEMENTARY REQUIREMENTS), OR 105 AS INDICATED ON DRAWINGS. IN LIEU OF HEADED ANCHOR BOLTS, THREADED ROD CONFORMING TO THE ABOVE SPECIFICATION MAY BE USED WITH A SINGLE NUT WELDED TO THE ROD OR DOUBLE NUTS TIGHTENED TO PREVENT ROTATION. ANCHOR ROD PROJECTION ABOVE TOP OF FOUNDATION SHALL BE AS NOTED ON THE DRAWINGS.
   b. BOLTED CONNECTIONS SHALL HAVE WASHERS CONFORMING TO ASTM F436 UNO. WASHERS MAY BE OMITTED WHERE NUTS ARE TIGHTENED AND SLIP IS NOT CRITICAL, EXCEPT WHERE REQUIRED BY THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS, LATEST EDITION.
   c. BASE PLATES SHALL HAVE NUTS AND WASHERS AT TOP AND BOTTOM OF PLATE. WASHERS FOR BASE PLATES SHALL BE A36 SQUARE OR CIRCULAR PLATE UNLESS OVERSIZED WASHERS ARE PERMITTED. SEE BASE PLATE DETAILS FOR PLATE SIZE AND PERMISSIBLE WASHER TYPE.
10. ADDITIONAL REQUIREMENTS FOR "SLIP-CRITICAL" BOLTED CONNECTIONS:
    a. "SLIP-CRITICAL" CONNECTIONS (A325SC DESIGN VALUES WITH SPECIAL INSPECTION) ARE REQUIRED AT ALL BRACED FRAME CONNECTIONS, AT ALL CONNECTIONS ALONG CHORD LINES AND DRAG LINES (AS NOTED ON PLANS), AND UNO, AT ALL BOLTS IN OVERSIZED OR SLOTTED HOLES.
    b. THE SPECIAL INSPECTOR MUST BE PRESENT DURING INSTALLATION AND TIGHTENING OPERATION OF "SLIP-CRITICAL" CONNECTIONS.
11. PROVIDE 3/4" DIAMETER STITCH BOLTS AND RING FILLS, SPACED AT NOT MORE THAN 2'-0" ON CENTER FOR ALL DO

GENERAL NOTES

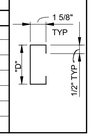
APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

COLD FORMED METAL FRAMING
5403SN001-1

1. GALVANIZED SHEET STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MILS (18 GA) AND THINNER AND ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MILS (16 GA) AND THICKER. HOT-ROLLED CARBON SHEET AND STRIP STEEL USED IN THE FABRICATION OF COLD-FORMED MEMBERS SHALL CONFORM TO ASTM A1011 WITH A RUST INHIBITIVE COATING. ALL CFS MEMBERS ARE TO BE COATED IN ACCORDANCE WITH THE OPTIONS SHOWN IN PARAGRAPH 4.3 AND TABLE 1 OF ASTM C955 AND SHALL HAVE A MINIMUM COATING PROTECTION LEVEL OF CP 60.
2. METAL STUDS AND JOISTS SHALL BE OF SIZE AND THICKNESS SHOWN ON DRAWINGS WITH THE MINIMUM EFFECTIVE SECTION PROPERTIES SHOWN IN THE TABLE(S).
3. MINIMUM THICKNESS SHOWN IN TABLE FOR THE THICKNESS SPECIFIED REPRESENTS 95% OF DESIGN THICKNESS PER AISI S200-12.
4. METAL FRAMING SHALL BE PER ICC-ES NO. 3064P . CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AGENCY APPROVAL FOR ANY SUBSTITUTIONS.
5. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL". WELDERS SHALL BE AWS CERTIFIED. WELDING RODS: E60XX SERIES.
6. SMS SHALL BE PER ONE OF THE FOLLOWING ICC REPORTS: ESR-5280 JOHN WAGNER ASSOC GRABBER DIVISION AND HITACHI KOKI USA LTD, ESR-1408 PRIMESOURCE BUILDING PRODUCTS, INC., ESR-1730 GLOBAL FASTENERS LTD AND HILTI CORP, ESR-1976 ITW BUILDEX, ESR-2196 HILTI, INC, ESR-3231 PORTEOUS FASTENER.
7. SMS MUST BE INSTALLED WITH THE FOLLOWING MINIMUM DIMENSIONAL LIMITATIONS: WHERE MULTIPLE FASTENERS ARE USED, SCREWS ARE TO HAVE A CENTER-TO-CENTER SPACING OF AT LEAST 3 TIMES THE NOMINAL DIAMETER (D). SCREWS ARE TO HAVE A CENTER-OF-SCREW TO EDGE-OF-STEEL DIMENSION OF AT LEAST 1.5 TIMES THE NOMINAL DIAMETER (D) OF THE SCREW.
8. ALL SCREWS ARE TO PROTRUDE A MINIMUM OF THREE FULL THREADS BEYOND THE CONNECTED PARTS, UNLESS OTHERWISE NOTED. WHERE THE CONNECTED PARTS ARE DIFFERENT THICKNESS, THE SCREW IS TO FIRST PENETRATE THE THINNER MEMBER, THEN PENETRATE THICKER PART, MEANING, THE SCREW HEAD IS IN CONTACT WITH THE THINNER MEMBER, UNLESS OTHERWISE NOTED.
9. TYPICAL METAL TRACK SHALL BE SAME GAUGE AS STUDS WHICH IT SUPPORTS, UNPUNCHED WITH A FLANGE WIDTH OF 1 1/4 INCHES AND A DEPTH EQUAL TO THE NOMINAL STUD PLUS 2 TIMES THE TRACK THICKNESS PLUS THE RADIUS. NESTED TRACKS SHALL BE FABRICATED TO FILL THE OUTSIDE OF A TYPICAL METAL TRACK. DEEP LEG TRACKS SHALL HAVE A MINIMUM FLANGE WIDTH OF 2 INCHES. USE SLOTTED SLIP TRACKS WHERE SPECIFIED. SEE SECTIONS AND TYPICAL METAL STUD DETAILS.
10. METAL STUDS SHALL NOT HAVE PUNCH-OUTS CLOSER THAN 10" CLEAR FROM THE END OF THE STUD OR AT INTERMEDIATE LATERAL BEARING POINTS OF STUDS. METAL STUDS WHICH ARE PART OF BUILT-UP HEADER SECTIONS SHALL BE UNPUNCHED FULL LENGTH.

COLD FORMED METAL FRAMING SECTION PROPERTIES - SSMA C STUDS & JOISTS - S162 SECTIONS 2,3
5403SN002-1

GAUGE/MIL	20/33		18/43		16/54		14/68		S STUDS & JOISTS
DESIGNATION	S162-33		S162-43		S162-54		S162-68		
MIN THICKNESS	0.0329		0.0428		0.0538		0.0677		
DEPTH "D"	Ix	Sx	Ix	Sx	Ix	Sx	Ix	Sx	
2 1/2"	0.235	0.180	0.302	0.240	0.370	0.284	0.450	0.357	
3 5/8"	0.551	0.268	0.710	0.372	0.873	0.444	1.069	0.574	
4"	0.692	0.299	0.892	0.417	1.098	0.498	1.346	0.648	
6"	1.793	0.577	2.316	0.767	2.860	0.916	3.525	1.164	
8"	3.384	0.710	4.500	1.019	5.600	1.229	7.070	1.663	
10"	-	-	7.523	1.302	9.391	1.572	11.978	2.154	
12"	-	-	-	-	14.298	1.914	18.390	2.645	



1. FOR COMPLETE SECTION DESIGNATIONS IN ACCORDANCE WITH SSMA STANDARDS, ADD MEMBER DEPTH TO FRONT OF INDICATED DESIGNATION. EXAMPLE: FOR 3 5/8" MEMBER WITH GAUGE/MIL OF 18/43, THE FULL DESIGNATION IS 362S162-43.
2. SECTION PROPERTIES SHOWN ARE EFFECTIVE PROPERTIES CONFORMING TO AISI A7.2 PER SSMA STANDARDS FOR MATERIAL STRENGTH NOTED BELOW.
3. PROVIDE 33 KSI MIN MATERIAL FOR 18/43 & LIGHTER SECTIONS, PROVIDE 50 KSI MATERIAL FOR 16/54 & HEAVIER SECTIONS.

STEEL JOIST AND JOIST GIRDER DESIGN CRITERIA
5603SN001-1

1. ALL STEEL JOISTS, JOIST GIRDERS, ACCESSORIES AND CONNECTIONS SHALL COMPLY WITH LATEST EDITION OF IBC & ASCE 7 & STEEL JOIST INSTITUTE STANDARDS EXCEPT THAT THE FIELD WELDING SHALL COMPLY WITH AMERICAN WELDING SOCIETY STANDARDS. ALL WELDING SHALL BE PERFORMED BY QUALIFIED CERTIFIED WELDERS.
2. IN ACCORDANCE WITH IBC 2207.3, THE STEEL JOIST MANUFACTURER SHALL SUBMIT DESIGN CALCULATIONS BEARING THE SEAL AND SIGNATURE OF A REGISTERED CALIFORNIA CIVIL ENGINEER. THE MAXIMUM DEMAND/CAPACITY RATIO FOR ALL DESIGN CALCULATIONS SHALL BE 1.00. DESIGN CALCULATIONS SHALL INCLUDE A STATEMENT NOTING THAT THE JOIST DESIGN COMPLIES WITH ALL CRITERIA PROVIDED IN THE APPROVED CONSTRUCTION DOCUMENTS AND HAS BEEN BASED ON CONFIGURATIONS DETAILS, SPACING, ETC.... AS SHOWN IN THE STEEL JOIST MANUFACTURERS STEEL JOIST PLACEMENT PLANS.
3. IN ACCORDANCE WITH IBC 2207.5, AT THE COMPLETION OF FABRICATION, THE STEEL JOIST MANUFACTURER SHALL SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND WITH SJI STANDARD SPECIFICATIONS.
4. MAXIMUM UN-FACTORED LIVE LOAD DEFLECTIONS SHALL NOT EXCEED L/360 FOR FLOORS AND ROOF MEMBERS SUPPORTING PLASTER OR L/240 FOR OTHER ROOF MEMBERS. MAXIMUM UN-FACTORED TOTAL LOAD DEFLECTION SHALL NOT EXCEED L/180. CALCULATED MEMBER DEFLECTIONS SHALL NOT BE REDUCED BY CAMBER.
5. CAMBER ALL ROOF JOISTS AS INDICATED IN SJI CODE OF STANDARD PRACTICE. CAMBER ALL FLOOR JOISTS AS REQUIRED TO ACHIEVE A FLAT FLOOR. MINIMUM FLOOR JOIST CAMBER SHOULD EQUAL 100% OF THE UN-FACTORED NON-COMPOSITE DEAD LOAD.
6. SEE ROOF FRAMING PLANS, MECHANICAL PLANS, ETC FOR LOCATIONS AND WEIGHTS OF SUPPORTED EQUIPMENT. GENERAL CONTRACTOR SHALL COORDINATE THE WEIGHT AND LOCATION OF ALL SUPPORTED EQUIPMENT AND SUPPLY THIS INFORMATION TO THE STEEL JOIST MANUFACTURER FOR THE DESIGN OF THE TRUSSES. PROVIDE WEB MEMBERS AS REQUIRED TO SUPPORT POINT LOADS. DESIGN TRUSS CHORDS FOR BENDING BETWEEN PANEL POINTS OR PROVIDE SUPPLEMENTAL STRUTS AS IN (2/S5.4), COORDINATE EQUIPMENT LOADS WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION.
7. BRIDGING, WELDING AND ALL ACCESSORIES REQ'D TO CONNECT STEEL JOISTS AND GIRDERS SHALL BE FURNISHED BY THE STEEL JOIST MFR. ADD'L BRIDGING REQ'D @ UPLIFT CONDITION SHALL BE DESIGNED & PROVIDED BY STEEL JOIST MFR. BRIDGING SHALL NOT ATTACH TO WOOD PANELIZED ROOF FRAMING.
8. PROVIDE TRUSS PANEL POINT TO ALIGN WITH COLUMNS AND BLOCKING BEAMS AS SHOWN ON PLANS AND SECTIONS
9. LOCATION OF ALL ERECTION AIDS REQ'D BY STEEL JOIST MFR SHALL BE COORDINATED TO AVOID CONFLICTS WITH STRUCTURAL, ARCHITECTURAL & MEP ELEMENTS.
10. FIRE SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED & REVIEWED PRIOR TO COMMENCING STEEL JOIST DESIGN.
11. FOR STEEL JOIST AND JOIST GIRDER LOADING INFORMATION SEE STEEL JOIST & JOIST GIRDER LOADING DIAGRAM NOTES.

STRUCTURAL OBSERVATION
1003SN001-1

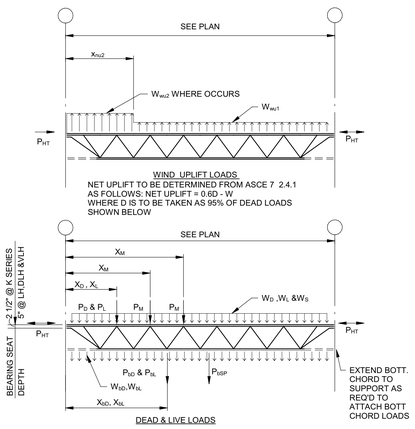
1. IN ACCORDANCE WITH SECTION 1704.6 OF THE CBC, THIS PROJECT IS REQUIRED TO HAVE STRUCTURAL OBSERVATION. STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM, FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS, AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY CBC SECTIONS 110 OR 1705. THE FOLLOWING PROJECT MILESTONES SHALL BE OBSERVED:
   a. FOUNDATIONS (PRIOR TO CONCRETE PLACEMENT)
   b. CMU SHEAR WALLS (PRIOR TO GROUTING)
   c. STEEL ERECTION PRIOR TO COMPLETION OF FIRST ELEVATED LEVEL (FLOOR OR ROOF)
   d. METAL DECK (PRIOR TO COVERING WITH ROOFING)
2. THE OWNER SHALL EMPLOY THE ARCHITECT OR STRUCTURAL ENGINEER OF RECORD, OR ANOTHER REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT DESIGNATED TO PERFORM STRUCTURAL OBSERVATION. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR AND BUILDING OFFICIAL. THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A STATEMENT THAT THE FIELD VISITS HAVE OCCURRED AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.
3. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL OBSERVER A MINIMUM OF 48 HOURS IN ADVANCE OF PROJECT MILESTONES SO THAT OBSERVATIONS MAY BE SCHEDULED.

STEEL JOIST AND JOIST GIRDER LOADING DIAGRAM NOTES:
5603SN002-1

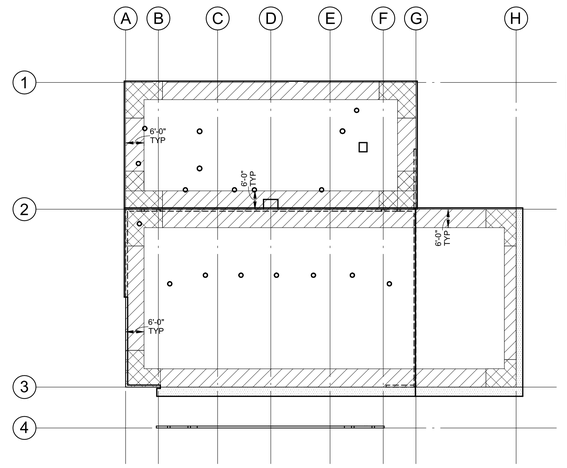
1. STEEL JOIST DESIGN SHALL BE BASED ON ALLOWABLE STRESS DESIGN (ASD) & SHALL UTILIZE THE APPROPRIATE LOAD COMBINATIONS PROVIDED IN ASCE 7 CHAPTER 2. INCREASES IN ALLOWABLE STRESS BASED ON DURATION OF LOADING SHALL NOT BE USED. WHERE STEEL JOISTS ARE REQUIRED TO RESIST SEISMIC FORCES, THE ADDITIONAL LOAD COMBINATIONS OF ASCE 7 12.4.2.3 AND 12.4.3.2 SHALL ALSO APPLY.
2. ALL LOADS ARE UN-FACTORED UNO ALL SEISMIC LOADS ARE E (NOT E/1.4) LEVEL. ALL SEISMIC DRAG LOADS ARE EMH (I.E. Q E)
3. THE JOISTS SPECIFIED ON PLAN ARE BASED ON OPTION #1 APPROACH AS NOTED IN THE SJI CODE OF STANDARD PRACTICE, SECTION 6. PER SECTION 6 "JOIST MANUFACTURER SHALL DESIGN JOISTS FOR ADDITIONAL LOADS AS SHOWN". SEE PLAN AND LOADING DIAGRAMS FOR ADDITIONAL LOADING CONDITIONS. THE ADDITIONAL LOADS MAY REQUIRE THE USE OF JOISTS THAT HAVE GREATER CAPACITY THAN THE TYPICAL JOIST SHOWN ON THE PLANS AND/OR ADDITIONAL JOISTS MAY BE REQUIRED TO ACCOMMODATE THE ADDITIONAL LOADS.
4. UNIFORM LOADS:
   ALL TOP CHORD UNIFORM LOADS SHALL BE ASSUMED TO OCCUR ALONG THE FULL LENGTH OF THE TRUSS UNO. SNOW DRIFT LOADS SHALL BE CONSIDERED WHERE SHOWN. BOTTOM CHORD UNIFORM LOADS SHALL BE CONSIDERED TO OCCUR ALONG THE FULL LENGTH OF THE TRUSS. BOTTOM CHORDS SHALL EXTEND TO SUPPORT WHERE NECESSARY TO ATTACH SUSPENDED ELEMENTS.
5. POINT LOADS:
   POINT LOAD LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE FINAL LOCATIONS WITH ARCHITECTURAL, MECHANICAL PLUMBING AND ELECTRICAL. IN LIEU OF DETERMINING PRECISE LOCATIONS OF POINT LOADS AT STEEL JOISTS, THE MANUFACTURER MAY CONSIDER POINT LOADS AS "ADLOAD" WITH THE JOIST DESIGN BASED ON WORST CASE POSSIBLE LOCATIONS OF POINT LOADS. JOIST MANUFACTURER SHALL DESIGN TOP AND BOTTOM CHORDS TO SUPPORT POINT LOADS NOT OCCURRING AT PANEL POINTS OR SHALL PROVIDE SUPPLEMENTAL STRUTS AS IN (2/S5.4)
6. WHERE NON-STRUCTURAL COMPONENT BRACING ATTACHES TO STEEL JOISTS, MANUFACTURER SHALL INCLUDE BRACING LOADS IN THE LOAD COMBINATIONS. WHERE THE DESIGN OF NON-STRUCTURAL COMPONENT SUPPORT & BRACING HAS BEEN DEFERRED, GENERAL CONTRACTOR SHALL PROVIDE HANGER & BRACING LOADS, LOCATIONS & ATTACHMENT DETAILS TO STEEL JOIST MANUFACTURER FOR INCLUSION IN STEEL JOIST DESIGN.
7. FOR DESIGN REQUIREMENTS SEE STEEL JOIST AND JOIST GIRDER DESIGN CRITERIA
8. JOIST DESIGNATIONS SHOWN ON FRAMING PLANS CORRESPOND TO THE FOLLOWING:

STEEL JOIST EXAMPLE
- 26K (RJ-1) INDICATES 26" DEEP 'K' SERIES ROOF JOIST WITH LOADING TYPE RJ-1 AS SHOWN IN LOADING SCHEDULE. FINAL STEEL JOIST SECTION NUMBER (E.G. 26K10) TO BE DETERMINED BY STEEL JOIST MFR.
- 32LH (FJ-1) INDICATES 32" 'LH' SERIES FLOOR JOIST WITH LOADING TYPE FJ-1 AS SHOWN IN LOADING SCHEDULE. FINAL STEEL JOIST SECTION NUMBER (E.G. 32LH11) TO BE DETERMINED BY STEEL JOIST MFR.

STEEL JOIST GIRDER EXAMPLE
- 36G (RJG-1) INDICATES 36" DEEP ROOF JOIST GIRDER WITH LOADING TYPE RJG-1 AS SHOWN IN LOADING SCHEDULE. LOAD AT EACH PANEL POINT IS DETERMINED FROM STEEL JOIST REACTIONS. STEEL JOIST SPACING AND NUMBER OF JOISTS SUPPORTED BY JOIST GIRDER SHALL BE AS SHOWN ON PLANS.
- 40G (FJG-1) INDICATES 40" DEEP FLOOR JOIST GIRDER WITH LOADING TYPE FJG-1 AS SHOWN IN LOADING SCHEDULE. LOAD AT EACH PANEL POINT IS DETERMINED FROM STEEL JOIST REACTIONS. STEEL JOIST SPACING AND NUMBER OF JOISTS SUPPORTED BY JOIST GIRDER SHALL BE AS SHOWN ON PLANS.



TYPICAL STEEL JOIST LOADING DIAGRAMS



TYPICAL, ZONE 1/1'
W = 20 PSF (UP)
W = 16.0 PSF (DOWN)

ZONE 2
W = 23 PSF (UP)
W = 16.0 PSF (DOWN)

ZONE 3
W = 23 PSF (UP)
W = 16.0 PSF (DOWN)

ZONE 3 OVERHANG
W = 53.0 PSF (UP)
W = 16.0 PSF (DOWN)

NOTES:

1. WIND LOADS SHOWN ARE BASED ON AN EFFECTIVE WIND AREA OF 200 SF TYP AND 10SF AT OVERHANG. REDUCTIONS MAY BE AS ALLOWED PER ASCE7 CHAPER 30. W SHALL BE 16.0 PSF MIN UP OR DOWN.
2. TRAVELING DEAD LOADS MUST BE CONSIDERED FOR DOWN LOADS. BUT MAY NOT BE USED TO RESIST UP LOADS.
3. PHOTOVOLTAIC ROOF LOADING OF 5.0 PSF IS INCLUDED IN DEAD LOADS WHICH MUST BE CONSIDERED FOR DOWN LOADS. PHOTOVOLTAIC ROOF DEAD LOADING MAY NOT BE USED TO RESIST UP LOADS.
4. ZONES SHOWN HAVE BEEN SIMPLIFIED FROM CODE REQUIREMENT. ALTERNATE ZONES IN COMPLIANCE WITH ASCE 7 MAY BE USED W/ CONCURRENCE FROM SEOR.

ROOF PLAN - WIND LOAD — 1" = 20'-0"

STEEL JOIST LOADING SCHEDULE
5603SN003-1

STEEL JOIST LOADING TYPE									
RJ-1	UNIFORM LOADS								
	W_D	W_L	W_S	W_{SD}	W_{SD}	W_{SL}	W_{WU1}	W_{WU2}	
	170LB/FT	135LB/FT	-	-	-	-	SEE PLAN	SEE PLAN	
	POINT LOADS								
	P_D	X_D	MECHANICAL SCREEN WIND LOADS SEE PLAN FOR POST LOCATIONS SEE SKETCH AT RIGHT FOR LOADS				P_{SP}	P_{SD}	
	1000LB	-					SEE PLAN	300#	
RJ-2	UNIFORM LOADS								
	W_D	W_L	W_S	W_{SD}	W_{SD}	W_{SL}	W_{WU1}	W_{WU2}	
	170LB/FT	135LB/FT	-	-	-	-	SEE PLAN	SEE PLAN	
	POINT LOADS								
	P_M	X_M	P_D	X_D	P_L	X_L	P_{BSP}	P_{SD}	X_{SD}	P_{SL}	X_{SL}	P_{HT}
	-	-	-	-	-	-	300LB	-	-	-	-	SEE PLAN
RJ-3	UNIFORM LOADS								
	W_D	W_L	W_S	W_{SD}	W_{SD}	W_{SL}	W_{WU1}	W_{WU2}	
	170LB/FT	135LB/FT	-	-	-	-	SEE PLAN	SEE PLAN	
	POINT LOADS								
	P_M	X_M	P_D	MECHANICAL SCREEN WIND LOADS SEE PLAN FOR POST LOCATIONS SEE SKETCH AT RIGHT FOR LOADS			P_{SP}	P_{SD}	
	900#	15', 24'	1000LB				SEE PLAN	300#	
RJ-4	UNIFORM LOADS								
	W_D	W_L	W_S	W_{SD}	W_{SD}	W_{SL}	W_{WU1}	W_{WU2}	
	170LB/FT	135LB/FT	-	-	-	-	SEE PLAN	SEE PLAN	
	POINT LOADS								
	P_M	X_M	P_D	X_D	P_L	X_L	P_{BSP}	P_{SD}	X_{SD}	P_{SL}	X_{SL}	P_{HT}
	-	-	-	-	-	-	300LB	-	-	-	-	SEE PLAN
RJ-5	UNIFORM LOADS								
	W_D	W_L	W_S	W_{SD}	W_{SD}	W_{SL}	W_{WU1}	W_{WU2}	
	170LB/FT	135LB/FT	-	-	-	-	SEE PLAN	SEE PLAN	
	POINT LOADS								
	P_M	X_M	P_D	X_D	P_L	X_L	P_{BSP}	P_{SD}	X_{SD}	P_{SL}	X_{SL}	P_{HT}
	-	-	-	-	-	-	300LB	-	-	-	-	SEE PLAN

NOTES:

1. UNIFORM LOAD SYMBOLS:
   W_D = TOP CHORD DEAD LOAD
   W_L = TOP CHORD LIVE LOAD
   W_S = TOP CHORD SNOW LOAD
   W_{SD} = TOP CHORD SNOW DRIFT LOAD
   W_{BD} = BOTTOM CHORD DEAD LOAD
   W_{BL} = BOTTOM CHORD LIVE LOAD - NEED NOT BE CONCURRENT WITH TOP CHORD LIVE LOAD
   W_{WU1} = TOP CHORD WIND UPLIFT WHERE OCCURS. WWU1 SHALL OCCUR FULL LENGTH OF TRUSS UNO. SEE KEYPLAN ON THIS SHEET FOR UNIFORM WIND LOADS ON ROOF
   W_{WU2} = TOP CHORD WIND UPLIFT AT DISCONTINUITIES. SEE KEYPLAN ON THIS SHEET FOR UNIFORM WIND LOADS ON ROOF
2. POINT LOAD SYMBOLS:
   P_M = TOP CHORD POINT DEAD LOAD AT MECH'L UNITS. LOCATION SHOWN IS APPROXIMATE. FINAL LOCATION TO BE PROVIDED BY MECHANICAL ENGINEER AND GENERAL CONTRACTOR. AT STEEL JOIST MANUFACTURER'S OPTION, P_M LOADS MAY BE COMBINED INTO A SINGLE "ADLOAD " AS NOTED ABOVE.
   P_D = TOP CHORD POINT DEAD LOAD
   P_L = TOP CHORD POINT LIVE LOAD
   P_{BSP} = BOTTOM CHORD POINT LOAD AT SPRINKLERS. VERTICAL LOAD AT FIRE SPRINKLERS SUPPORTS SHALL INCLUDE WEIGHT OF WATER FILLED PIPE PLUS 250#. P_{BSP} MAY OCCUR AT ANY LOCATION ALONG BOTT CHORD & MAY NOT OCCUR AT A PANEL POINT. GENERAL CONTRACTOR SHALL COORDINATE THE WEIGHT & LOCATION OF ALL SPRINKLER LOADS AND SUPPLY THIS INFORMATION TO STEEL JOIST MFR PRIOR TO COMMENCING STEEL JOIST DESIGN. SPRINKLER LIVE LOAD NEED NOT BE CONCURRENT WITH ANY OTHER LIVE LOADS.
   P_{BD} = BOTTOM CHORD DEAD LOAD TO OCCUR AT ANY PANEL POINT. STEEL JOISTS TO BE DESIGNED FOR A SINGLE OCCURRENCE OF THIS LOAD UNO.
   P_{BL} = BOTTOM CHORD LIVE LOAD TO OCCUR AT ANY PANEL POINT. STEEL JOISTS TO BE DESIGNED FOR A SINGLE OCCURRENCE OF THIS LOAD UNO. THIS LOAD NEED NOT BE CONCURRENT WITH TOP CHORD LIVE LOADS.
   P_{HT} = HORIZONTAL TOP CHORD AXIAL FORCE (CONSIDER BOTH TENSION & COMPRESSION) FROM WIND OR SEISMIC FORCE. WHERE NOTED AS SEISMIC DRAG LOAD, CONSIDER ADD'L LOAD COMBINATIONS OF ASCE 7 12.4.3.2.

NOTE:
TRUSS MFR TO LOCATE TRUSS NODE AT WIND SCREEN POST & BRACE LOCATIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916 443 0303

LAWRENCE E JONES No. 3138 04/30/2020 STRUCTURAL STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
GENERAL NOTES
SHEET NO.
S0.2

ISSUE DATE: JULY , 2020 V3

0091

STRUCTURAL SPECIAL INSPECTIONS AND TESTING

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING
1105N0501

1. SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY A TESTING AND INSPECTION AGENCY, EMPLOYED BY THE OWNER (OR OWNER'S AUTHORIZED AGENT), AND APPROVED BY THE BUILDING OFFICIAL TO PROVIDE SPECIAL INSPECTIONS AND TESTING FOR THE PARTICULAR TYPE OF CONSTRUCTION.
2. TABLES OF SPECIAL INSPECTIONS AND TESTING ARE DERIVED FROM THE STRUCTURAL PROVISIONS OF THE CBC AND REFERENCED STANDARDS AND ARE FOR REFERENCE ONLY. THE INCLUDED TABLES ARE PROVIDED FOR THE CONVENIENCE OF THE OWNER, TESTING AGENCY AND CONTRACTOR IN DEVELOPING THE SCOPE OF WORK FOR REQUIRED TESTING AND INSPECTION OF STRUCTURAL MATERIALS AND COMPONENTS. FINAL DEFINITION OF THIS SCOPE OF WORK IS TO BE DETERMINED BY THE TESTING AGENCY AND THE OWNER (OR OWNER'S AUTHORIZED AGENT).
3. FREQUENCY OF SPECIAL INSPECTIONS AND TESTING SHALL BE, AT A MINIMUM, AS NOTED FOR THE INDIVIDUAL ELEMENTS WITHIN THE TABLES BELOW. THE CONTRACTOR SHALL COORDINATE TIMING OF SPECIAL INSPECTIONS AND TESTING WITH THE SPECIAL INSPECTION AND TESTING AGENCY.
4. PRIOR TO THE START OF CONSTRUCTION, THE TESTING AND INSPECTION AGENCY SHALL PROVIDE DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION, IN ACCORDANCE WITH CBC SECTION 1704.2.1.
5. THE TESTING AND INSPECTION AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER OF RECORD AND THE CONTRACTOR, PER CBC SECTION 1704.2.4. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED OR TESTED CONFORMED TO THE APPROVED CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
6. SPECIAL INSPECTION AND TESTING RECORDS SHALL BE RETAINED BY THE CONTRACTOR ON SITE UNTIL COMPLETION OF CONSTRUCTION.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL FORCE-RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY CBC SECTION 1704.4.
8. THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL SUBMIT TO THE BUILDING OFFICIAL, A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND TESTS PER CBC SECTION 1704.2.4, AND REPORTS AND CERTIFICATES PER CBC SECTION 1704.5.
9. ALL SOILS AND FOUNDATION EXCAVATION INSPECTIONS SHALL BE BY THE GEOTECHNICAL ENGINEER OF RECORD, OR A GEOTECHNICAL FIRM HIRED BY THE OWNER PER CBC SECTION 1705.6.
10. SPECIAL INSPECTION IS REQUIRED FOR ALL SHOP FABRICATED MEMBERS OR ASSEMBLIES UNLESS WAIVED PER THE EXCEPTIONS IN CBC SECTION 1704.2.5.
11. DEFINITIONS:
    a. CONTINUOUS - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS CONTINUOUSLY PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
    b. PERIODIC - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
    c. QUALITY ASSURANCE (QA) - MONITORING AND INSPECTION TASKS PERFORMED BY AN AGENCY OR FIRM OTHER THAN THE FABRICATOR OR ERECTOR TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED BY THE FABRICATOR AND ERECTOR MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. QUALITY ASSURANCE INCLUDES THOSE TASKS DESIGNATED 'SPECIAL INSPECTION' BY THE APPLICABLE CODE.
    d. QUALITY CONTROL (QC) - CONTROLS AND INSPECTIONS IMPLEMENTED BY THE FABRICATOR OR ERECTOR, AS APPLICABLE, TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
    e. OBSERVE (O) - OBSERVE THESE ITEMS ON A RANDOM BASIS (DAILY FOR LFRS). OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
    f. PERFORM (P) - PERFORM THOSE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
    g. DOCUMENT (D) - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.
12. SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED DURING CONSTRUCTION ON THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS AS REQUIRED BY CBC CHAPTER 17, THE TABLES LISTED BELOW, AND THE JURISDICTION'S SPECIAL INSPECTION AND TESTING FORM. IF DISCREPANCIES ARE NOTED, CONTACT THE SEOR. ALL EXCEPTIONS INCLUDED IN CBC CHAPTER 17 ARE PERMITTED TO BE USED.
    - SOILS
    - CONCRETE CONSTRUCTION
    - MASONRY CONSTRUCTION - LEVEL 2
    - STEEL CONSTRUCTION - WELDING INSPECTION
    - STEEL CONSTRUCTION - WELDING TESTING
    - STEEL CONSTRUCTION - BOLTING
    - COLD-FORMED STEEL DECK

    LFRS (SEE NOTE BELOW)
    - STRUCTURAL STEEL LFRS BOLTING

SPECIAL INSPECTIONS AND TESTING ARE REQUIRED FOR THE LATERAL FORCE-RESISTING SYSTEM (LFRS) AND SHALL BE PROVIDED FOR ALL COMPONENTS AND CONNECTIONS ASSOCIATED WITH THE DESCRIPTION BELOW. SPECIAL INSPECTIONS AND TESTING FOR THE LFRS SHALL BE PER THE LFRS TABLES ABOVE, AND ARE IN ADDITION TO ALL OTHER REQUIRED INSPECTIONS AND TESTING. IF NO LFRS TABLES ARE INCLUDED, INSPECTIONS AND TESTING FOR THE LFRS ITEMS NOTED SHALL BE PER THE TYPICAL MATERIAL TABLES.

LFRS DESCRIPTION:

CMU
LFRS DESCRIPTION:
- METAL DECK ROOF
- WF BEAMS WITH CONNECTIONS INDICATED AS: ● ●■ ◆ ◆■ ◀
- CMU WALLS (EXCLUDING NON-BEARING PARTITION WALLS)
- CMU WALL FOUNDATIONS

SOILS - REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC TABLE 1705.6
1105N201-1

TYPE	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

CONCRETE CONSTRUCTION - REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC TABLE 1705.3
1105N201-1

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD [a]
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3
2. REINFORCING BAR WELDING:			AWS D1.4 ACI 318: 26.6.4
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X	
c. INSPECT ALL OTHER WELDS	X	-	
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. [b]			ACI 318: 17.8.2.4, 17.8.2
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x	-	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	-	X	
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5
9. INSPECT PRESTRESSED CONCRETE FOR:			ACI 318: 26.10
a. APPLICATION OF PRESTRESSING FORCES	X	-	
b. GROUTING OF BONDED PRESTRESSING TENDONS.	X	-	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH. 26.9
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)

[a] WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

[b] SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

MASONRY CONSTRUCTION - LEVEL 2 REQUIRED SPECIAL INSPECTIONS AND TESTS
TMS 602 TABLE 3 AND 4
1105N402

MINIMUM VERIFICATION REQUIREMENTS

MINIMUM VERIFICATION	REFERENCE FOR CRITERIA
PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE SUBMITTALS	TMS 602 ART. 1.5
PRIOR TO CONSTRUCTION, VERIFICATION OF F'M AND F'AAC, EXCEPT WHERE SPECIFICALLY EXEMPTED BY CODE.	TMS 602 ART. 1.4B
DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE	TMS 602 ART. 1.5 & 1.6.3

MINIMUM SPECIAL INSPECTION

INSPECTION TASK	FREQUENCY		REFERENCE FOR CRITERIA	
	CONTINUOUS	PERIODIC	TMS 402	TMS 602
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE				
a. PROPORTIONS OF SITE-PREPARED MORTAR	-	X		ART. 2.1, 2.6A & 2.6C
b. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	-	X		ART. 2.4 B, 2.4 H
c. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X		ART. 3.4 , 3.6 A
d. PRESTRESSING TECHNIQUE	-	X		ART. 3.6 B
e. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X[a]	X[b]		ART. 2.1 C
f. SAMPLE PANEL CONSTRUCTION	-	X		ART. 1.6D
2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
a. GROUT SPACE	-	X		ART. 3.2 D, 3.2 F
b. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	-	X	SEC. 10.8 & 10.9	ART. 2.4, 3.6
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	-	X	SEC. 6.1, 6.3.1 6.3.6, 6.3.7	ART. 3.2 E, 3.4
d. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	-	X		ART. 2.6 B, 2.4 G.1.b
3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:				
a. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	-	X		ART. 1.5
b. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION	-	X		ART. 3.3 B
c. SIZE & LOCATION OF STRUCTURAL MEMBERS	-	X		ART. 3.3 F
d. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION (INCLUDES POST-INSTALLED ANCHORS)	-	X	SEC. 1.2.1(e), 6.2.1, 6.3.1	
			ICC/IAPMO REPORT (POST-INSTALLED ANCHORS)	
e. WELDING OF REINFORCEMENT	X	-	SEC. 6.1.6.1.2	
f. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))	-	X		ART. 1.8 C, 1.8D
g. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X	-		ART. 3.6 B
h. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X	-		ART. 3.5, 3.6 C
i. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X[a]	X[b]		ART. 3.3 B.9, 3.3 F.1.b
4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	-	X		ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4B.3, 1.4 B.4

[a] REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

[b] REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

STEEL CONSTRUCTION - WELDING - REQUIRED SPECIAL INSPECTIONS
AISC360 TABLE N5.4-1, N5.4-2, N5.4-3
1105N501-1

INSPECTION TASKS PRIOR TO WELDING	QC	QA
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O
WPS AVAILABLE	P	P
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
WELDER IDENTIFICATION SYSTEM [1]	O	O
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K- JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	P	O
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O
CHECK WELDING EQUIPMENT	O	-
INSPECTION TASKS DURING WELDING	**QC**	**QA**
CONTROL AND HANDLING OF WELDED CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	O
NO WELDING OVER CRACKED TACK WELDS	O	O
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	O
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH)	O	O
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	O
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P
INSPECTION TASKS AFTER WELDING	**QC**	**QA**
WELDS CLEANED	O	O
SIZE, LENGTH AND LOCATION OF WELDS	P	P
WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	P	P
ARC STRIKES	P	P
K-AREA [2]	P	P
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [3]	P	P
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P
REPAIR ACTIVITIES	P	P
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O

[1] THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.

[2] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75MM) OF THE WELD.

[3] AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1D) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

STEEL CONSTRUCTION - WELDING - REQUIRED TESTING
AISC 360 - SECTION N5.5 NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS
1105N502

a. PROCEDURES
ULTRASONIC TESTING (UT), MAGNETIC PARTICLE TESTING (MT), PENETRANT TESTING (PT) AND RADIOGRAPHIC TESTING (RT), WHERE REQUIRED, SHALL BE PERFORMED BY QA IN ACCORDANCE WITH AWS D1.1/D1.1M.

b. CJP GROVE WELD NDT
FOR STRUCTURES IN RISK CATEGORY III OR IV, UT SHALL BE PERFORMED BY QA ON ALL CJP GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" THICK OR GREATER. FOR STRUCTURES IN RISK CATEGORY II, UT SHALL BE PERFORMED BY QA ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING, IN MATERIALS 5/16" THICK OR GREATER.

c. WELDED JOINTS SUBJECTED TO FATIGUE
WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED BY QA AS PRESCRIBED. REDUCTION IN THE RATE OF UT IS PROHIBITED.

d. ULTRASONIC TESTING REJECTION RATE
THE ULTRASONIC TESTING REJECTION RATE SHALL BE DETERMINED AS THE NUMBER OF WELDS CONTAINING DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED. WELDS THAT CONTAIN ACCEPTABLE DISCONTINUITIES SHALL NOT BE CONSIDERED AS HAVING DEFECTS WHEN THE REJECTION RATE IS DETERMINED. FOR EVALUATING THE REJECTION RATE OF CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT IS 1 INCH OR LESS, EA 12 INCH INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECTION RATE ON CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT IS GREATER THAN 1 INCH, EA 6 INCH OF LENGTH, OR FRACTION THEREOF, SHALL BE CONSIDERED ONE WELD.

e. REDUCTION OF ULTRASONIC TESTING RATE
FOR PROJECTS THAT CONTAIN 40 OR FEWER WELDS, THERE SHALL BE NO REDUCTION IN THE ULTRASONIC TESTING RATE. THE RATE OF UT IS PERMITTED TO BE REDUCED IF APPROVED BY THE EOR AND THE AHJ. WHERE THE INITIAL RATE OF UT IS 100%, THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR IS PERMITTED TO BE REDUCED TO 25%, PROVIDED THE REJECTION RATE, THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED, IS DEMONSTRATED TO BE 5% OR LESS OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 40 COMPLETED WELDS SHALL BE MADE FOR SUCH REDUCED EVALUATION ON EA PROJECT.

f. INCREASE IN ULTRASONIC TESTING RATE
FOR STRUCTURES IN RISK CATEGORY II AND HIGHER, (WHERE THE INITIAL RATE FOR UT IS 10%) THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR SHALL BE INCREASED TO 100% SHOULD THE REJECTION RATE (THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED) EXCEEDS 5% OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. SEE AISC 360, SECTION N5.5F FOR ADDITIONAL INFORMATION.

g. DOCUMENTATION
ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. WHEN A WELD IS REJECTED ON THE BASIS OF NDT, THE NDT RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND THE BASIS OF REJECTION.

STEEL CONSTRUCTION - BOLTING - REQUIRED SPECIAL INSPECTIONS
AISC360 TABLE N5.6-1, N5.6-2, N5.6-3
1105N503

INSPECTION TASKS PRIOR TO BOLTING	QC	QA
MANUFACTURER CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	O	O
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O
INSPECTION TASKS DURING BOLTING	**QC**	**QA**
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O
INSPECTION TASKS AFTER BOLTING	**QC**	**QA**
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P

COLD-FORMED STEEL DECK - REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC SECTION 1705.2.2/SDI QA/QC STANDARD TABLES 1.1-1.8
1105N505

INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT	QC	QA
A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	P	P
B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	P	P
INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT	**QC**	**QA**
A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	P	P
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	N/A	P
C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	P	P
INSPECTION OR EXECUTION TASKS PRIOR TO WELDING	**QC**	**QA**
A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	O	O
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	O	O
C. MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
D. CHECK WELDING EQUIPMENT	O	O
INSPECTION OR EXECUTION TASKS DURING WELDING	**QC**	**QA**
A. USE OF QUALIFIED WELDERS	O	O
B. CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O
C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	O	O
D. WPS FOLLOWED	O	O
INSPECTION OR EXECUTION TASKS AFTER WELDING	**QC**	**QA**
A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	P	P
B. WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P
C. VERIFY REPAIR ACTIVITIES	P	P
D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	P	P
INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING	**QC**	**QA**
A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	O	O
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	O	O
C. PROPER STORAGE FOR MECHANICAL FASTENERS	O	O
INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING	**QC**	**QA**
A. FASTENERS ARE POSITIONED AS REQUIRED	O	O
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	O	O
INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING	**QC**	**QA**
A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	P	P
B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	P	P
C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	P	P
D. VERIFY REPAIR ACTIVITIES	P	P
E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	P	P

STRUCTURAL STEEL LFRS BOLTING - REQUIRED SPECIAL INSPECTIONS
AISC341 TABLE J7-1, J7-2, J7-3
1105N0314-1

INSPECTION TASKS PRIOR TO BOLTING	QC		QA	
	TASK	DOC	TASK	DOC
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL	O	-	0	-
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	-	O	-
CONNECTING ELEMENTS, INCLUDING THE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	-	O	-
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED FOR FASTENER ASSEMBLIES AND METHODS USED	P	D	O	D
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	-	O	-
INSPECTION TASKS DURING BOLTING	**QC**		**QA**	
	TASK	DOC	TASK	DOC
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	-	O	-
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	-	O	-
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O

FOUNDATION PLAN — 3/16" = 1'-0"

FOUNDATION PLAN NOTES

1. SEE **SHEETS S0.1** THRU **S0.2** FOR GENERAL NOTES & **SHEETS S5.1** THRU **S5.3** TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO THE CL OF COLUMN OR FACE OF BLOCK UNO.
4. SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT LISTED IN THE FOUNDATION GENERAL NOTES. BOTTOM OF FOOTING EXCAVATIONS SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL.
5. SLAB ON GRADE SHALL BE 5" THICK CONCRETE w/ #4 @ 16"CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 15 MIL VAPOR RETARDER OVER 4" CLEAN CRUSHED ROCK. TOP OF CONCRETE SLAB IS 0'-0" UNO. DATUM ELEV = +305.3'.
6. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & SEOR FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
7. PROVIDE SLAB ON GRADE CONTROL JOINTS (SJ) AS INDICATED **PER 1/ S5.1** TYP AT ALL INTERIOR SLABS. CONSTRUCTION JOINTS (CJ) MAY REPLACE CONTROL JOINTS AS REQUIRED.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL CONDITION CONTROL JOINTS WITH ARCH DRAWINGS.
9. CONTRACTOR TO COORDINATE EXACT DIMENSIONS AND LOCATIONS OF THICKENED SLABS, HOUSEKEEPING PADS, ETC. WITH ALL OTHER DISCIPLINE'S DRAWINGS AS WELL AS WITH THE EQUIPMENT PROVIDED, PRIOR TO COMMENCING WORK.
10. ALL DEPRESSIONS, SLOPES, CURBS, ETC. ARE SHOWN FOR REFERENCE ONLY. FOR EXACT DEPTHS, SLOPES, EXTENTS, ETC. SEE OTHER DISCIPLINES' DRAWINGS.
11. TEMPORARY LOADS APPLIED DURING CONSTRUCTION HAVE NOT BEEN CONSIDERED IN SLAB ON GRADE DESIGN.
12. SEE ARCH & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
13. PROVIDE 3" MIN. CONCRETE COVER AT STRUCTURAL STEEL AND ANCHOR BOLTS BELOW GRADE, TYP.
14. CONTINUE ALL REINFORCING IN CONTINUOUS FOOTINGS THROUGH SPREAD FOOTINGS, TYP UNO.

FOUNDATION LEGEND

- GB — GRADE BEAM SEE **H/ S3.3**
- (Mk)* — FOOTING PER SCHEDULE **A/ S2.1**. "T&B" INDICATES ADDITIONAL TOP REINFORCING AS NOTED IN SCHEDULE SHALL BE PLACED @ 2" CLR OF TOP OF FOOTING.
- CONCRETE CURB. FOR CURBS BELOW NON-STRUCTURAL WALLS **SEE 2/ S5.1** & **13/ S5.1**, VERIFY EXACT EXTENT w/ ARCH DWGS.
- CONCRETE OVERBUILD AREA PER **11/ S5.1**. SEE ARCH FOR EXTENT.
- SLOPED AND/OR DEPRESSED SLAB. DEPRESS BUILDING PAD AND PROVIDE FULL SLAB AND BASE THICKNESS. WHERE DEPRESSION IN GREATER THAN 2" AND ADJACENT TO BUILDING FOUNDATION ELEMENT IT MAY BE NECESSARY TO STEP FOOTING IN ORDER TO MAINTAIN MINIMUM FOOTING EMBEDMENT PER SECTIONS. CONTRACTOR TO COORDINATE IN FIELD. SEE **6/ S5.1** & **12/ S5.1**.
- X'-XX" TOF — TOP OF FOOTING ELEVATION WITH RESPECT TO REFERENCE TOP OF CONCRETE (0'-0"). THE BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 24" BELOW ADJACENT MINIMUM PREPARED BUILDING PAD ELEVATION (ON ALL SIDES), TYP UNO OR AS SHOWN ON SECTIONS.
- SLAB STEP PER **6/ S5.1** & **12/ S5.1**. VERIFY DEPTH W/ ARCH
- +2'-0" — TOP OF CONCRETE SLAB ELEVATION RELATIVE TO REFERENCED TOP OF CONCRETE 0'-0".
- HSS6x6x1/2 — HSS COLUMN & SIZE. FOR BASE PLATE, SEE **1/ S5.3** TYP UNO.
- 8" CMU WALL. FOR REINFORCING, **SEE 5/ S5.2** AND CMU GENERAL NOTES. CONDUITS IN CMU TO BE PER CMU GENERAL NOTES.
- WCJ — WALL CONTROL JOINT **PER 6/ S5.2**.

FOOTING SCHEDULE

A S2.1

Mk	SIZE	REINFORCING
A	3'-0" x 3'-0" x 1'-6" DEEP	(4) #5 EW (B)
B	4'-0" x 4'-0" x 2'-0" DEEP	(5) #5 EW (B)
C	5'-0" x 5'-0" x 2'-0" DEEP	(7) #5 EW (B)
E	7'-0" x 7'-0" x 2'-6" DEEP	(10) #6 EW (B)

NOTE:
1. PLACE BOTTOM OF STEEL 3" CLEAR FROM BOTTOM OF FOOTING.
2. PLACE TOP OF STEEL 2" CLEAR FROM TOP OF FOOTING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

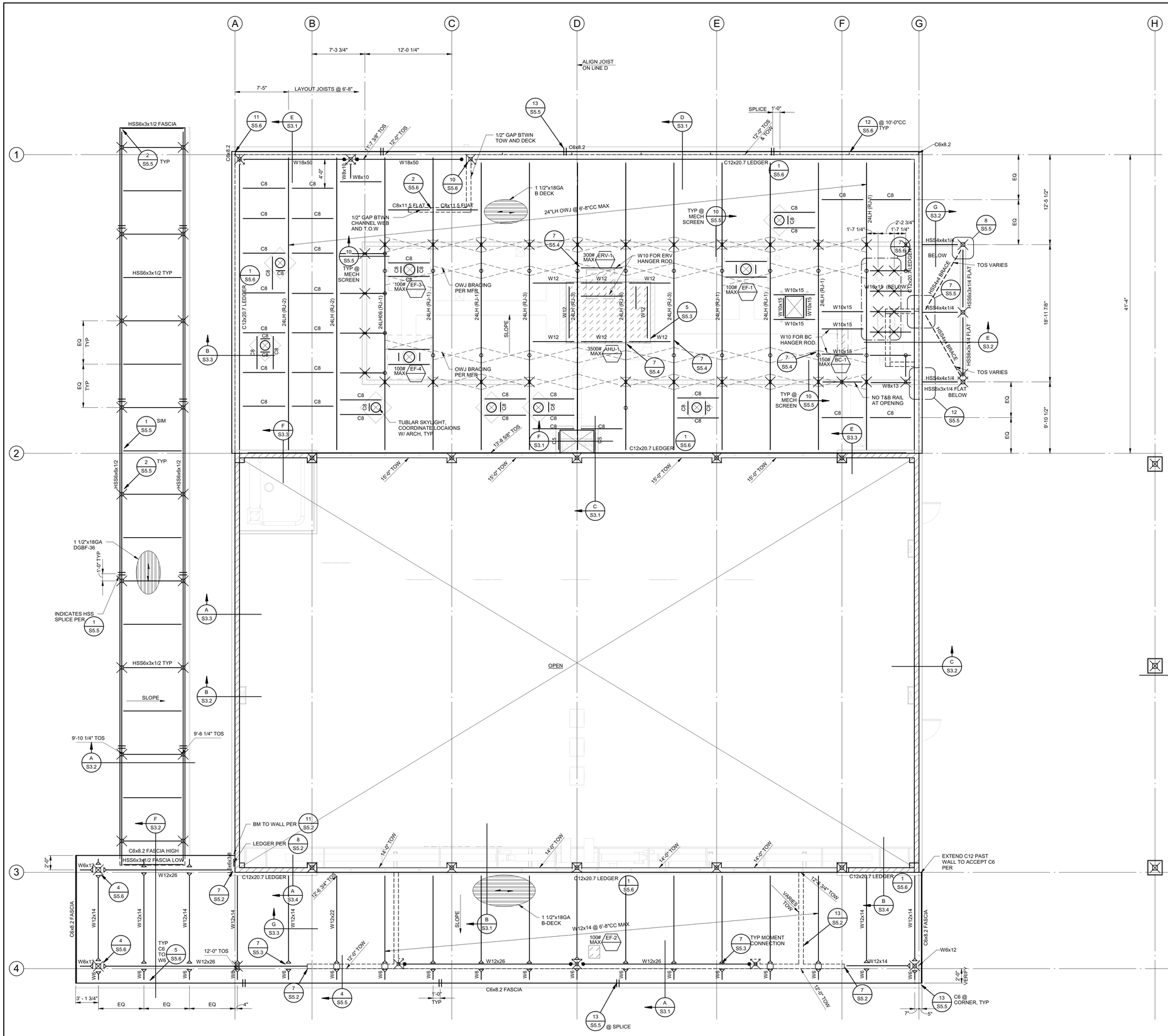
FOUNDATION PLAN

SHEET NO.

S2.1

ISSUE DATE: JULY , 2020

V3



LOW ROOF FRAMING PLAN — 3/16" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE **SHEETS S0.1** THRU **S0.2** FOR GENERAL NOTES **SHEETS S5.1** THRU **S5.3** FOR TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF BLOCK.
4. FOR TYPICAL STEEL DETAILS, SEE **SHEETS S5.3** THRU **S5.4**
5. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & SEOR FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
6. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
7. FOR TYPICAL BEAM TO BEAM CONNECTION, SEE **5/ S5.3** OR **6/ S5.3** UNO.
8. FOR TYPICAL BEAM TO COLUMN CONNECTION, SEE **3/ S5.3**
9. ALL WELDS AT CONNECTIONS INDICATED AS ▶ ● ●● ◆ ◆◆ SHALL BE MADE w/ FILLER METALS IN ACCORDANCE w/ AWS D1.8 CLAUSES 6.1, 6.2, & 6.3. FOR DEMAND CRITICAL WELD REQUIREMENTS, SEE NOTES ON FRAME DETAIL **SHEET S5.5.**
10. VERIFY ALL ROOF OPENINGS, LOCATIONS, & DIMENSIONS WITH ARCH DWGS PRIOR TO FABRICATION AND DETAILING. ALL FLOOR OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK **SHEET S5.3 AND S5.4**. ADDL WF BLKG MAY BE REQD AT FLOOR OPNGS AS SHOWN ON PLAN OR WHERE OPNGS EXCEED PROVISIONS OF TYPICAL DETAILS.
11. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLANS.
12. ALL VISUALLY EXPOSED STEEL SHALL MEET "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" REQUIREMENTS. SEE ARCH DWGS AND SPECS.

ROOF FRAMING LEGEND

- ROOF OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT SEE **11/ S5.3** OR SEE PLANS FOR OPENING FRAMING.
- X'-XX" TOS — ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
- BARE METAL DECK (2 SPAN MIN). ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER **D/ S5.3**.
- W6 — W6x12 TYP, UNO.
- W10 — W10x12 TYP, UNO.
- W12 — W12x14 TYP, UNO.
- W14 — W14x22 TYP, UNO.
- C8 — C8x11.5 TYP, UNO.
- C12 — C12x20.7 TYP, UNO.
- C5 — C5x9 TYP, UNO.
- L4 — L4x4x1/4 TYP, UNO
- ▷ — WF NON-FRAME MOMENT CONNECTION, SEE **7/ S5.3**.
- ● ●● — SINGLE (●) OR DOUBLE (●●) ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER **9/ S5.5**.
- HSS COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.
- MECHANICAL UNIT. ALL BLOCKING BEAMS SHALL BE W10x12 UNO AND SHALL BE LOCATED DIRECTLY BELOW UNIT EDGES AND/OR CURBS. SEE MECHANICAL UNIT SCHEDULE FOR WEIGHTS AND ATTACHMENT OF UNIT/CURBS TO STRUCTURE. FOR ADDITIONAL INFORMATION, SEE MECHANICAL DRAWINGS.
- XX# AHU Mk — MECHANICAL UNIT TYPE MARK w/ MAX OPERATING WEIGHT INDICATED.
- SOLID GROUTED CMU WALL. SEE FOUNDATION PLAN
- SOLID GROUTED CMU WALL BELOW.
- XX'-X" TOW — TOP OF WALL ELEVATION ABOVE REFERENCE TOP OF CONCRETE (0'-0").
- INDICATEDS TYPICAL FASCIA SPLICE LOCATION, SEE **13/ S5.5**
- INDICATES OWJ X-BRIDGING TO BE PROVIDED BY JOIST MFR.

A/S2.2 MECHANICAL EQUIPMENT SCHEDULE

ID	MAX WEIGHT	DETAIL
AHU-1	3500#	6/M5.02
BC-1	150#	10/M5.02
CU-1	250#	9/M5.02
EF-1	100#	9/M5.01
EF-2	100#	9/M5.01
EF-3	100#	9/M5.01
EF-4	100#	9/M5.01
ERV-1	300#	8/M5.02
VRF-1	450#	9/M5.02

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Dover Parkway, Delano

California Department of General Services

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
LOW ROOF FRAMING PLAN
SHEET NO.
S2.2

ISSUE DATE: JULY , 2020 V3

0093

0094

ROOF FRAMING PLAN — 3/16" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE **SHEETS S0.1** THRU **S0.2** FOR GENERAL NOTES **SHEETS S5.1** THRU **S5.3** FOR TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF BLOCK.
4. FOR TYPICAL STEEL DETAILS, SEE **SHEETS S5.3** THRU **S5.4** .
5. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & SEOR FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
6. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
7. FOR TYPICAL BEAM TO BEAM CONNECTION, SEE **5/ S5.3** OR **6/ S5.3** UNO.
8. FOR TYPICAL BEAM TO COLUMN CONNECTION, SEE **3/ S5.3**
9. ALL WELDS AT CONNECTIONS INDICATED AS ► ● ●● ◆ ◆◆ SHALL BE MADE w/ FILLER METALS IN ACCORDANCE w/ AWS D1.8 CLAUSES 6.1, 6.2, & 6.3. FOR DEMAND CRITICAL WELD REQUIREMENTS, SEE NOTES ON FRAME DETAIL **SHEET S5.5** .
10. VERIFY ALL ROOF OPENINGS, LOCATIONS, & DIMENSIONS WITH ARCH DWGS PRIOR TO FABRICATION AND DETAILING. ALL FLOOR OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK **SHEET S5.3 AND S5.4** . ADDL WF BLKG MAY BE REQD AT FLOOR OPNGS AS SHOWN ON PLAN OR WHERE OPNGS EXCEED PROVISIONS OF TYPICAL DETAILS.
11. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLANS.
12. ALL VISUALLY EXPOSED STEEL SHALL MEET "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" REQUIREMENTS. SEE ARCH DWGS AND SPECS.

ROOF FRAMING LEGEND

- ROOF OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT SEE **11/ S5.3** OR SEE PLANS FOR OPENING FRAMING.
- X'-XX" TOS — ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
- BARE METAL DECK (2 SPAN MIN). ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER **D/ S5.3** .
- W6 — W6x12 TYP, UNO.
- W10 — W10x12 TYP, UNO.
- W12 — W12x14 TYP, UNO.
- W14 — W14x22 TYP, UNO.
- C8 — C8x11.5 TYP, UNO.
- C12 — C12x20.7 TYP, UNO.
- C5 — C5x9 TYP, UNO.
- L4 — L4x4x1/4 TYP, UNO
- ▷ — WF NON-FRAME MOMENT CONNECTION, SEE **7/ S5.3** .
- ●● — SINGLE (●) OR DOUBLE (●●) ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER **9/ S5.5** .
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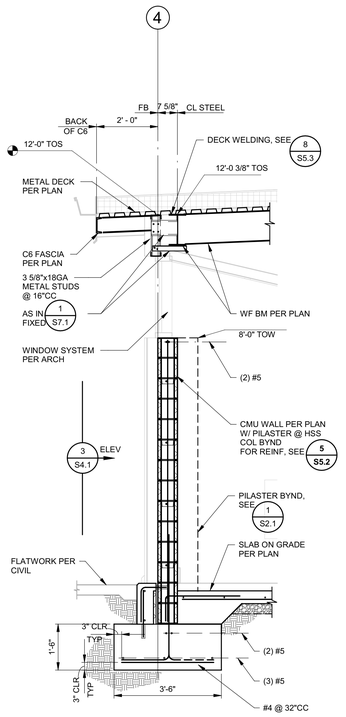
ROOF FRAMING PLAN

SHEET NO.

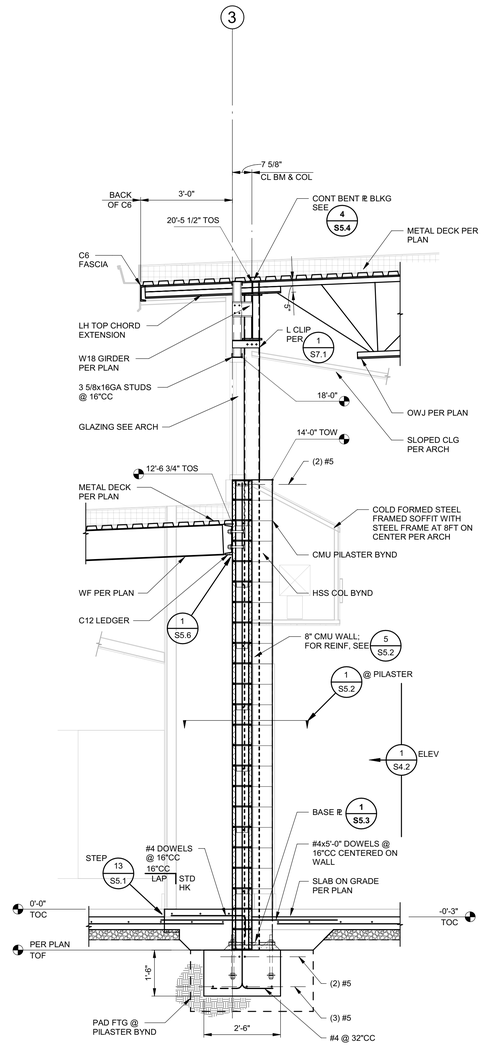
S2.3

ISSUE DATE: JULY, 2020 V3

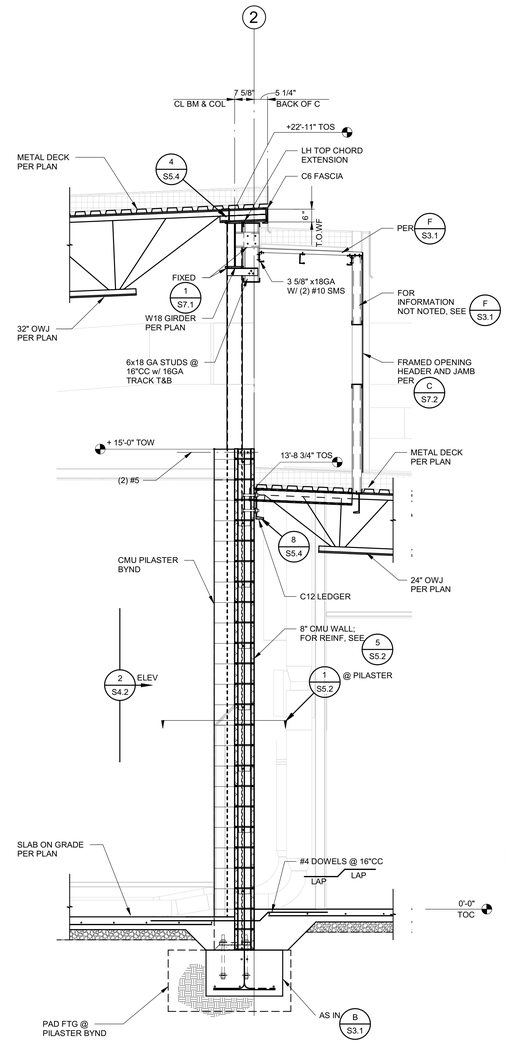
0095



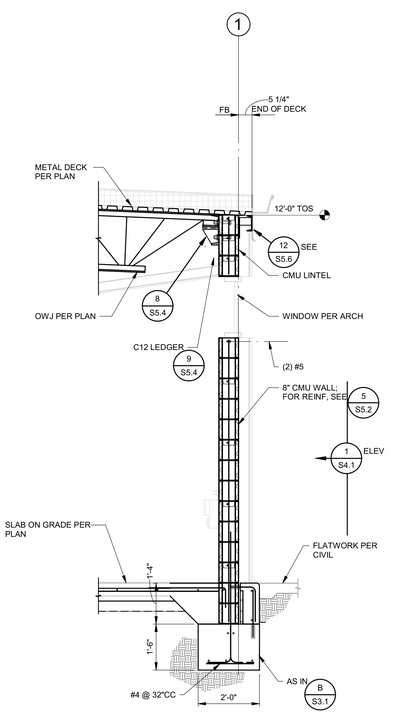
SECTION A S3.1 1/2" = 1'-0"



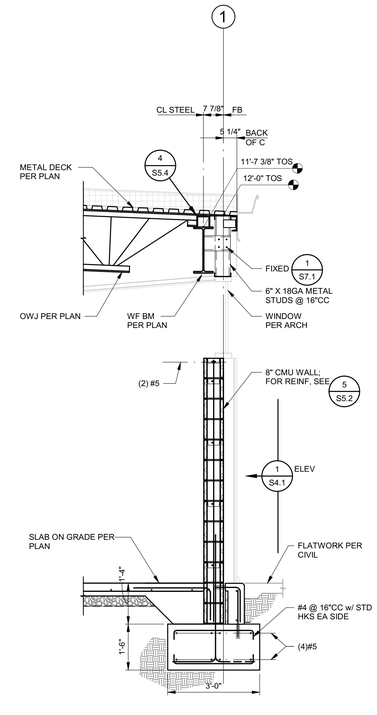
SECTION B S3.1 1/2" = 1'-0"



SECTION C S3.1 1/2" = 1'-0"



SECTION D S3.1 1/2" = 1'-0"



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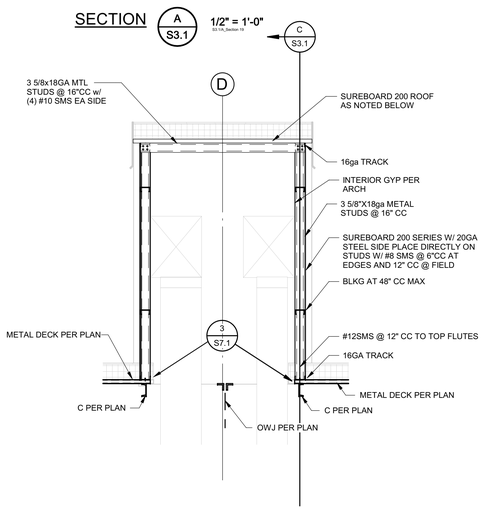

SECTION F S3.1 Section 16 — 1/2" = 1'-0"

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SECTIONS

SHEET NO.

S3.1

ISSUE DATE: JULY 2019 V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE INCH = ONE FOOT

0096
ONE INCH = TWENTY FEET
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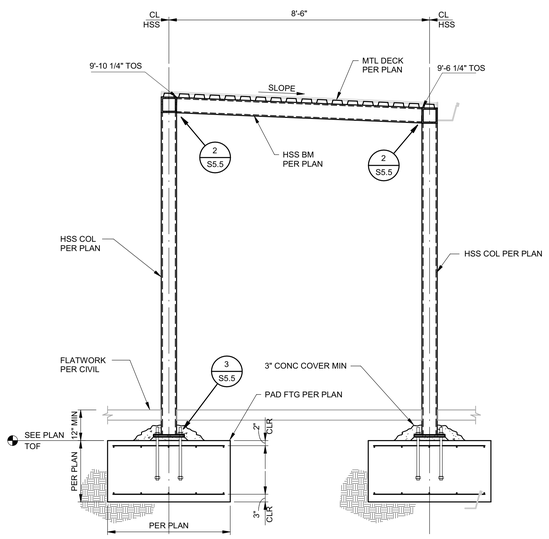

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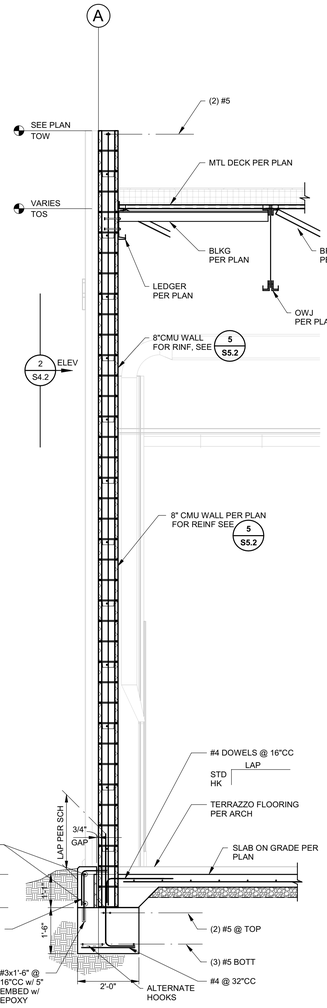
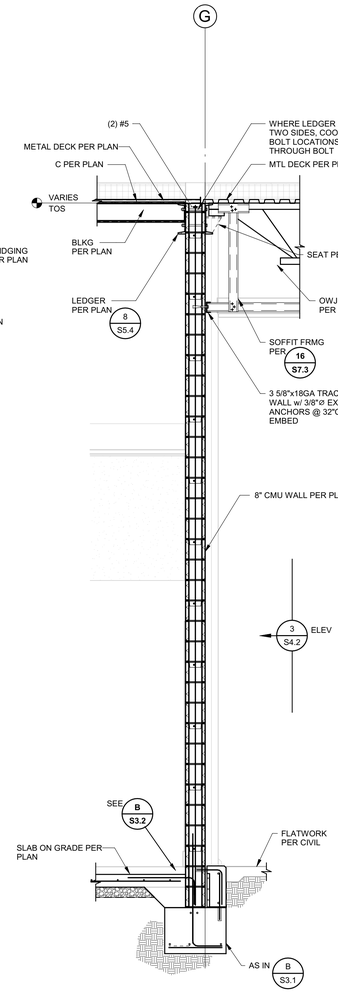
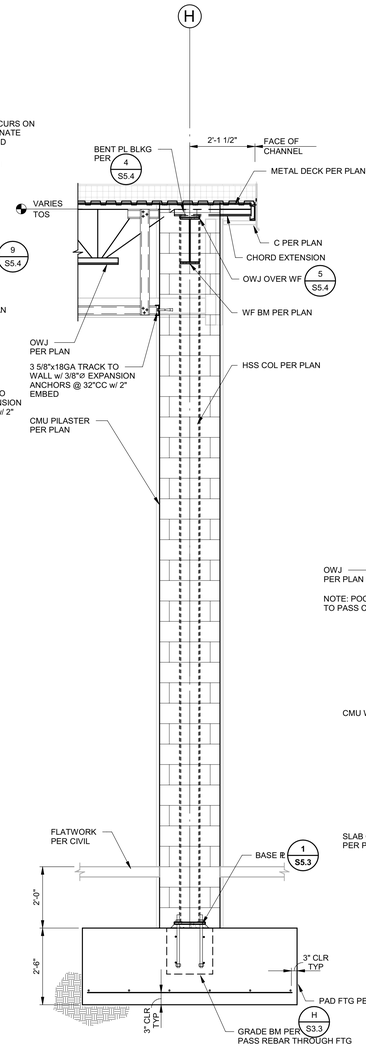


SECTION B S3.2 1/2" = 1'-0"



SECTION C S3.2 1/2" = 1'-0"



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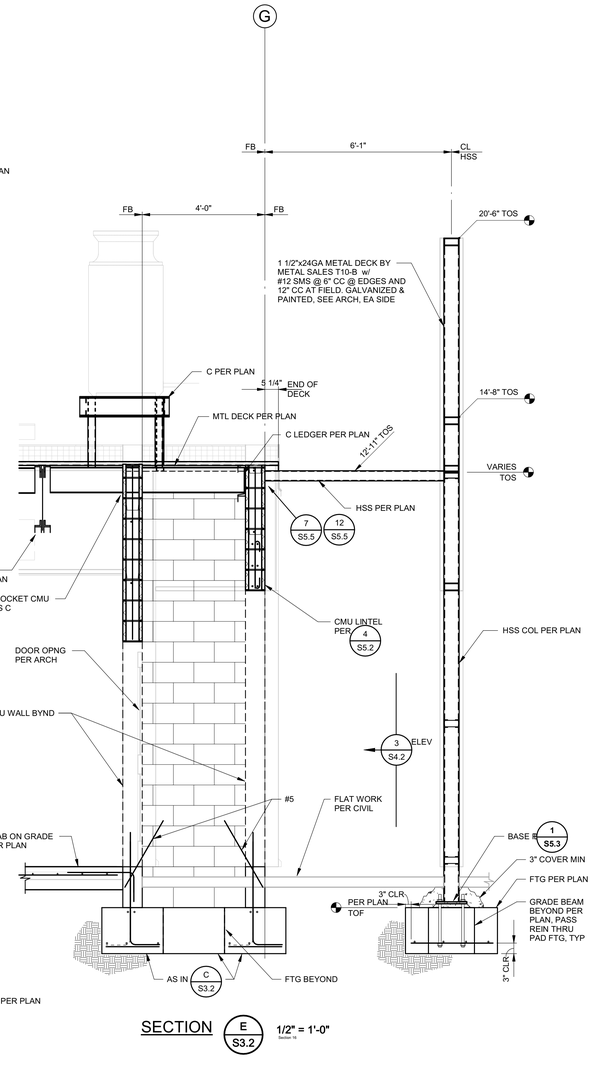
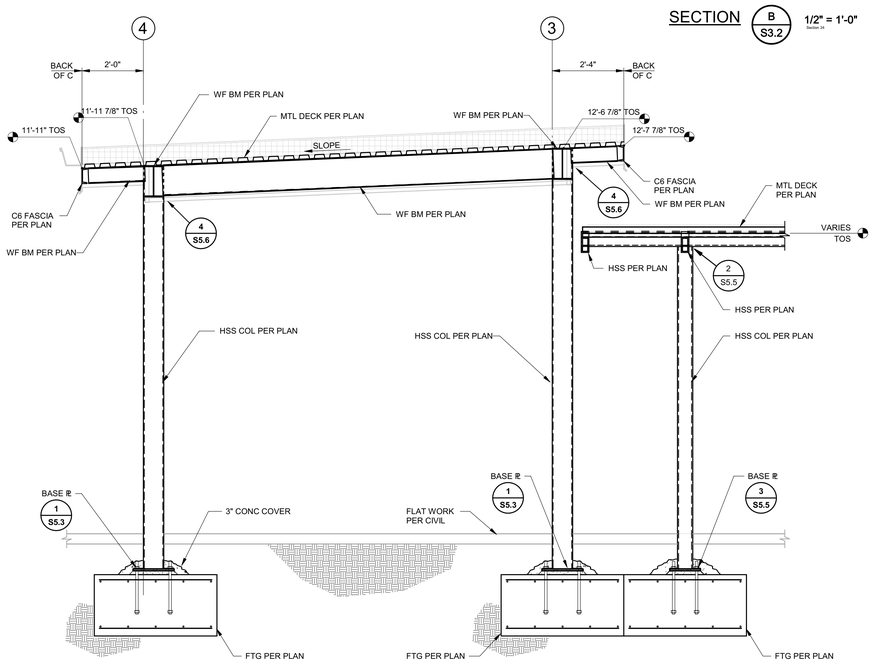
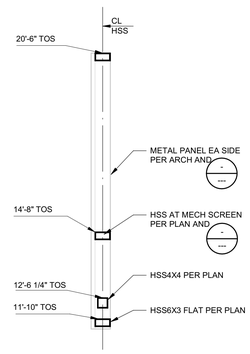


SECTION E S3.2 1/2" = 1'-0"



SECTION F S3.2 1/2" = 1'-0"



SECTION G S3.2 1/2" = 1'-0"

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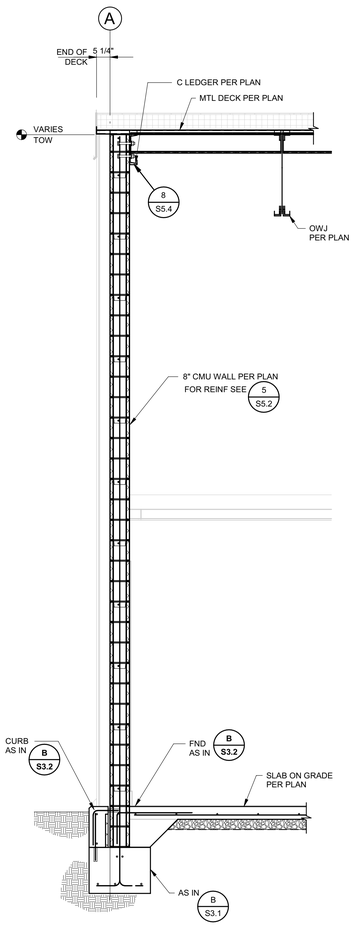
SECTIONS

SHEET NO.

S3.2

ISSUE DATE: JULY , 2019

V3



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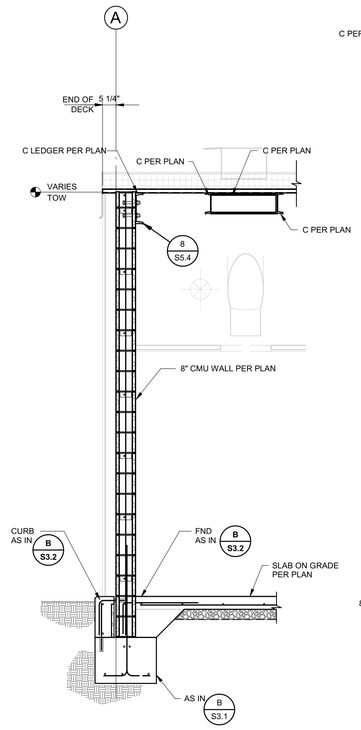

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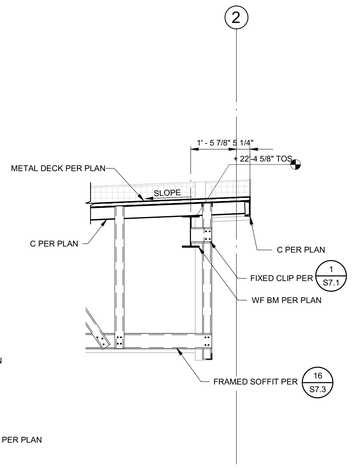

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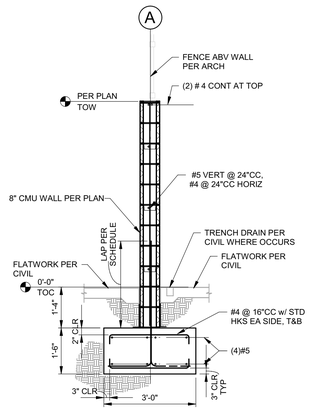

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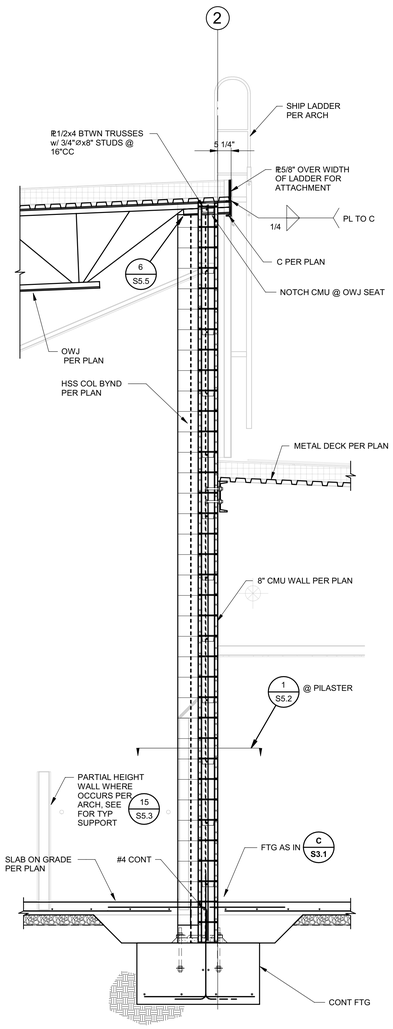

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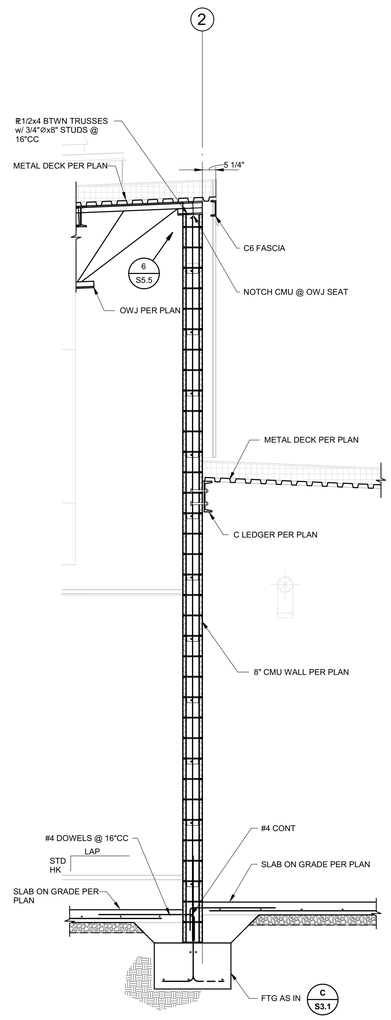

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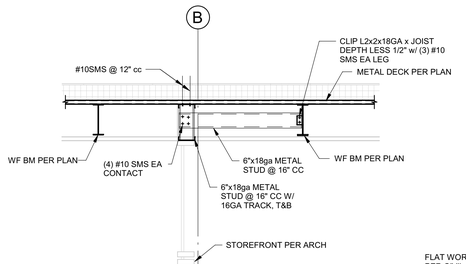

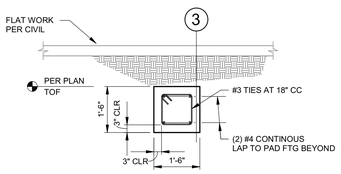

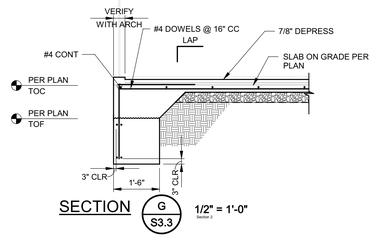

SECTION G S3.3 1/2" = 1'-0"

SECTION H S3.3 — 1/2" = 1'-0"

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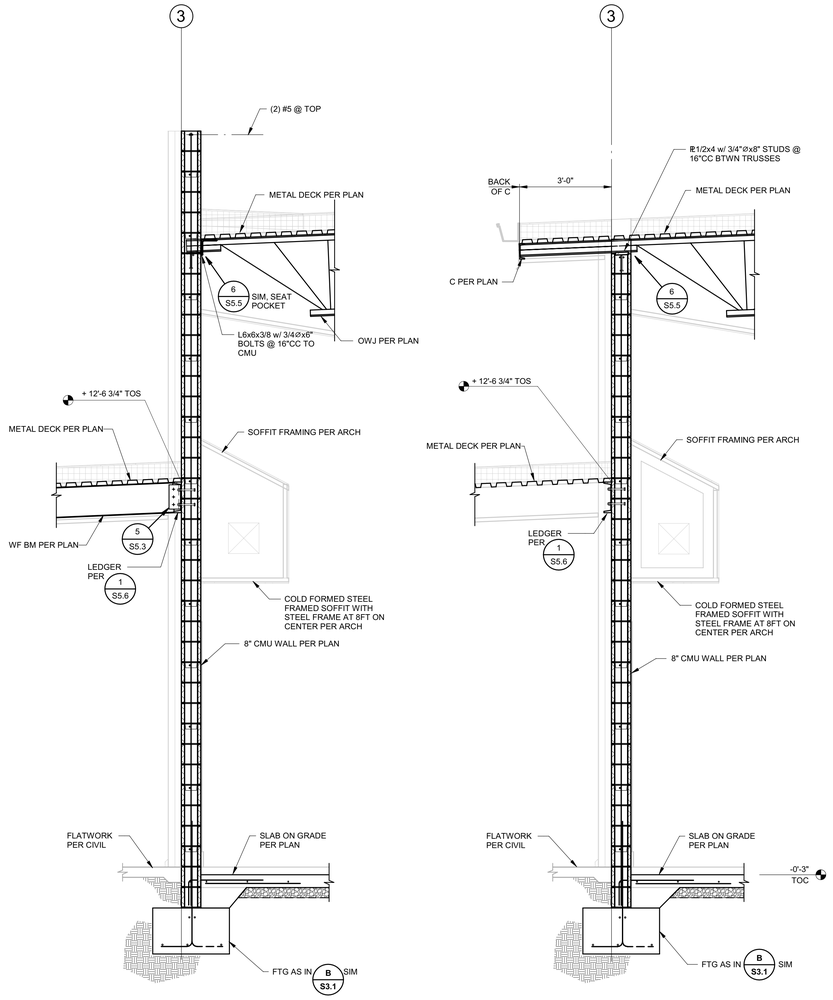
SECTIONS

SHEET NO.

S3.3

ISSUE DATE: JULY , 2020

0098



SECTION A S3.4 1/2" = 1'-0"

SECTION B S3.4 1/2" = 1'-0"

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SECTIONS

SHEET NO.

S3.4

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THREE-QUARTERS INCH = ONE FOOT
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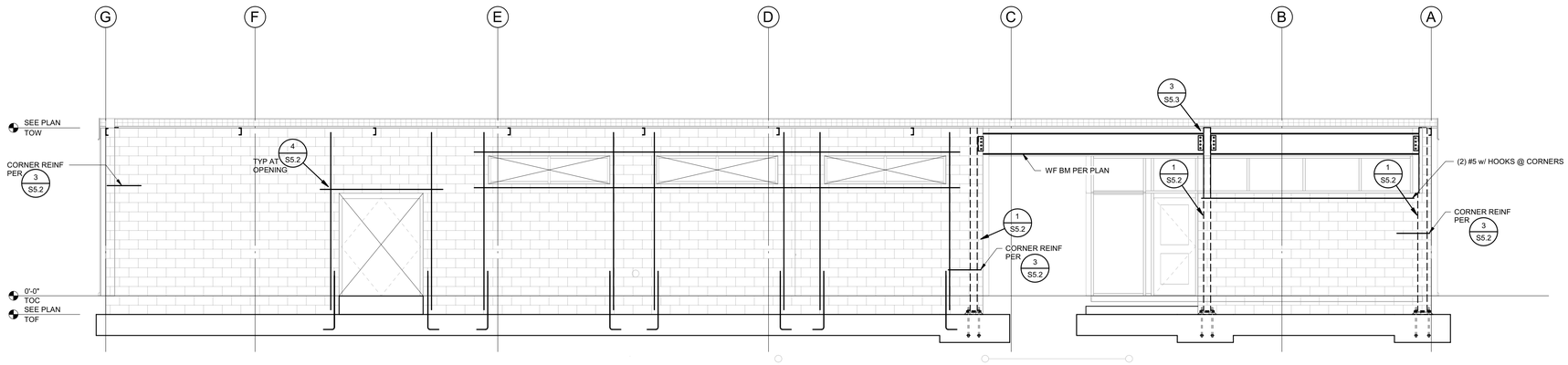
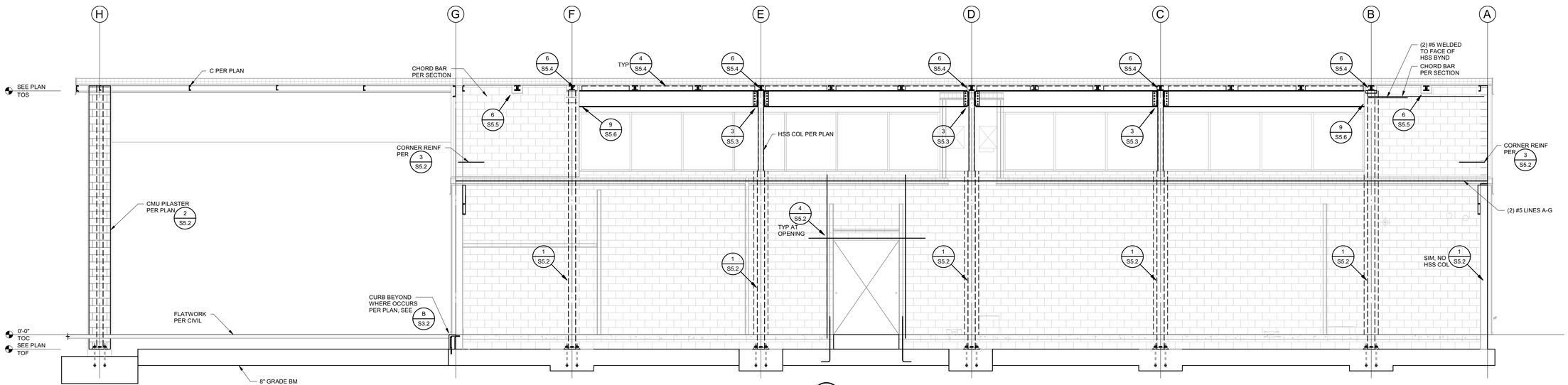
ONE AND ONE-HALF INCH = ONE FOOT

0099



ELEVATION 1 S4.1 1/4" = 1'-0"



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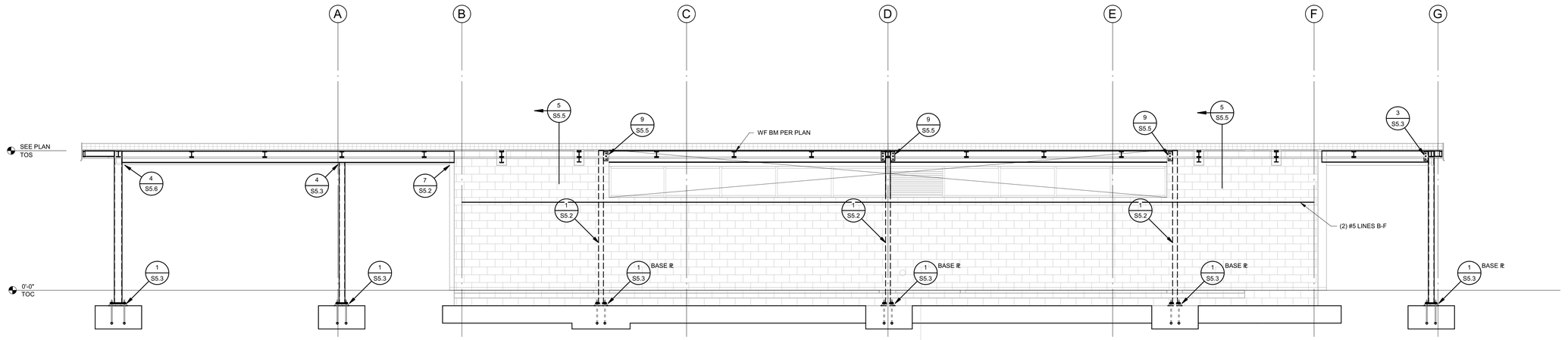

ELEVATION 3 S4.1 1/4" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916.443.0303

LAWRENCE E. JONES, No. 3138, 04/08/2020, STRUCTURAL, STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

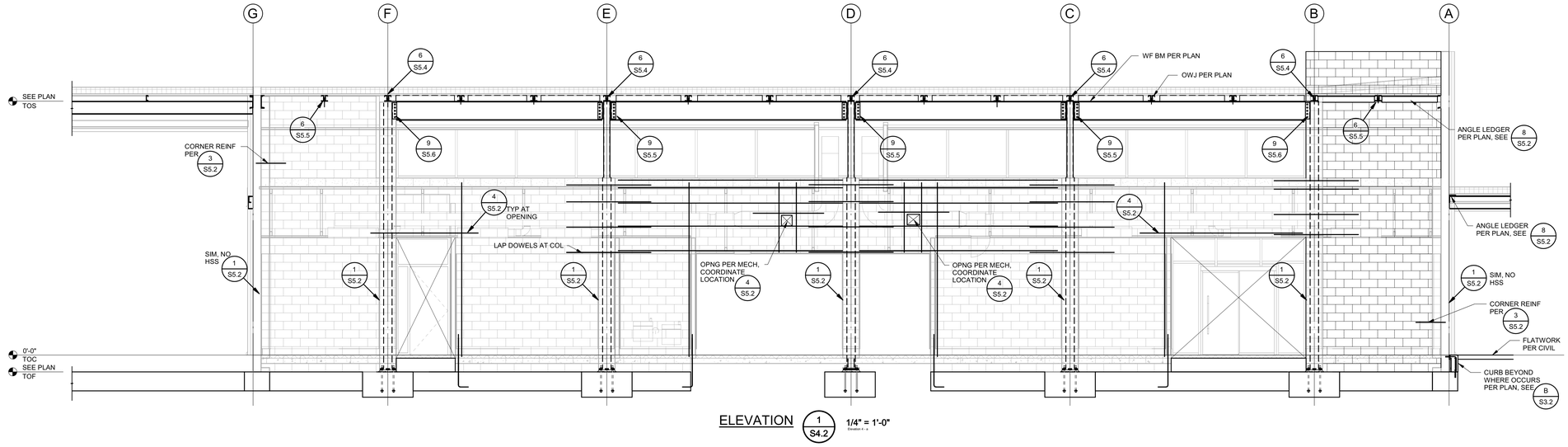
REVISIONS

NO.	DESCRIPTION	DATE

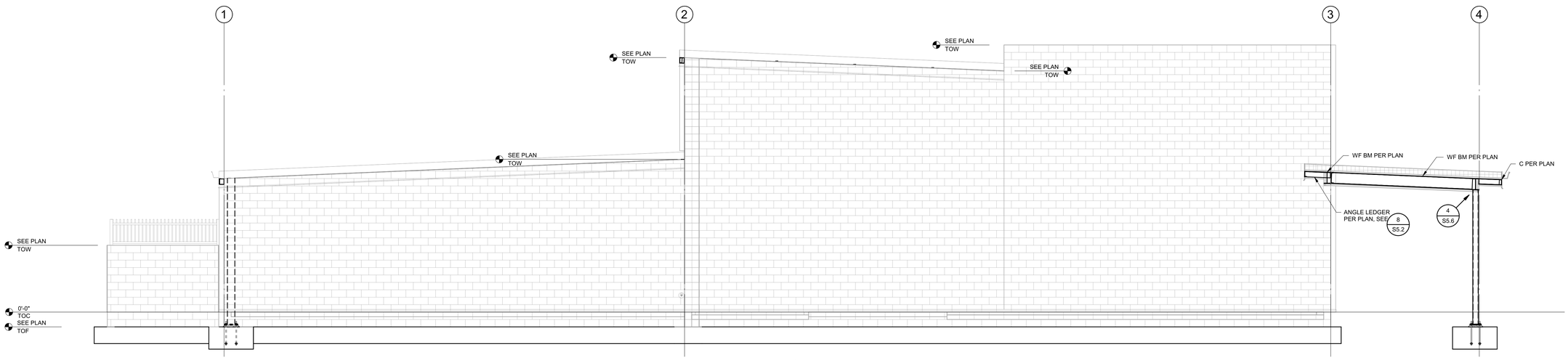
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
ELEVATIONS
SHEET NO.
S4.1

ISSUE DATE: JULY 2020
V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



ELEVATION 1 S4.2 — 1/4" = 1'-0"



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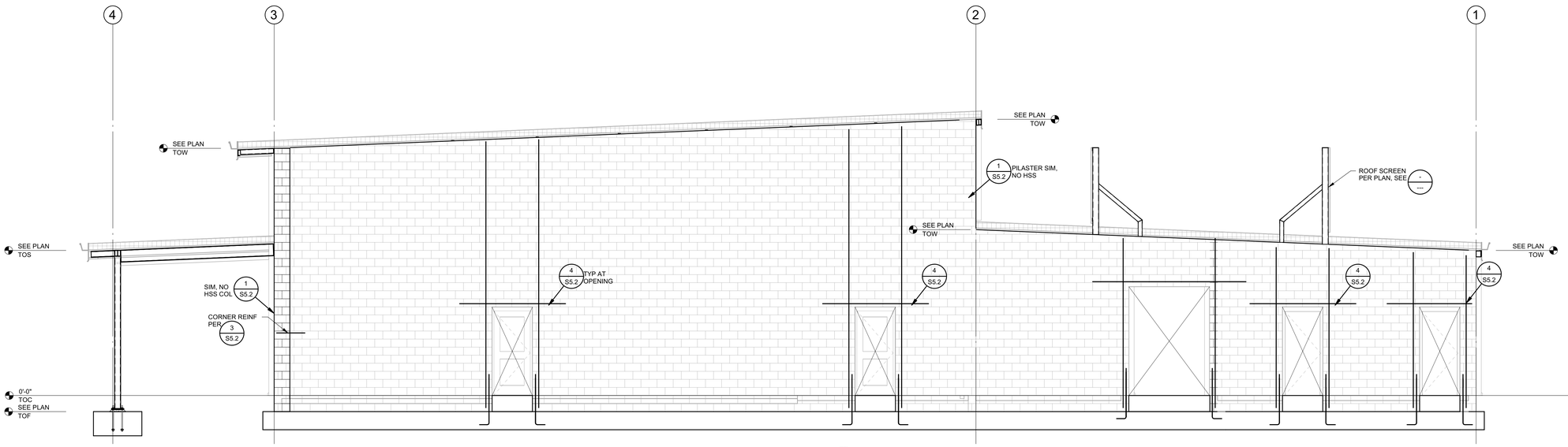

ELEVATION 3 S4.2 — 1/4" = 1'-0"

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REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

ELEVATIONS

SHEET NO.

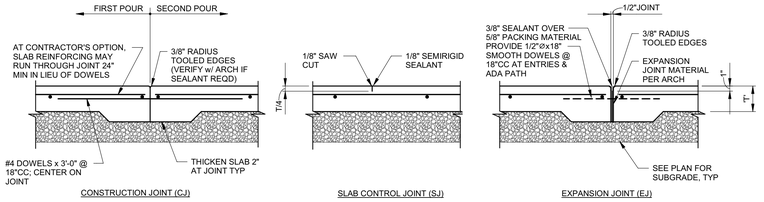
S4.2

ISSUE DATE: JULY , 2020 V3

0100

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16 32
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
ONE-HALF INCH = ONE FOOT 0 6
THREE-QUARTERS INCH = ONE FOOT 0 6
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1

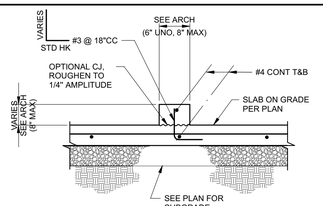
0101
ONE INCH = TWENTY FEET
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT



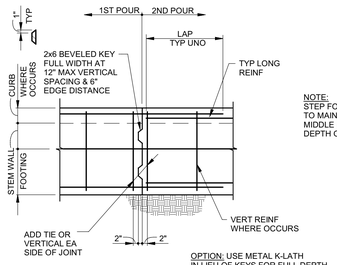
CONSTRUCTION JOINT (CJ) | SLAB CONTROL JOINT (SJ) | EXPANSION JOINT (EJ)

NOTE:
1. CONSTRUCTION JOINTS AND CONTROL JOINTS SHALL DIVIDE SLAB INTO AREAS NOT EXCEEDING 225 SQ FT WITHOUT REENTRANT CORNERS AND WITH LENGTH TO WIDTH RATIOS NOT EXCEEDING 1 1/2 TO 1. JOINT SPACING SHALL NOT EXCEED 15 FEET IN EITHER DIRECTION.
2. CONTRACTOR SHALL SUBMIT LAYOUT PLAN SHOWING PROPOSED CONTROL AND CONSTRUCTION JOINT LOCATIONS TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW & APPROVAL.
3. SEMIRIGID SEALANT TO BE EUCLID EUCO #700 OR EQUAL.

DETAIL 1/S5.1 — SLAB ON GRADE JOINTS — NO SCALE

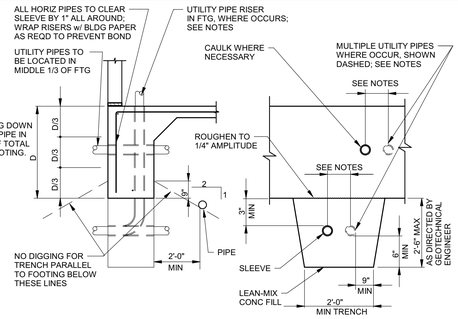


DETAIL 2/S5.1 — CURB AT SLAB ON GRADE — NO SCALE



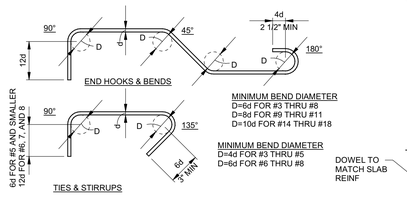
OPTION: USE METAL K-LATH IN LIEU OF KEYS FOR FULL DEPTH OF FOUNDATION AT UNEXPOSED FOUNDATIONS ONLY.

DETAIL 3/S5.1 — TYPICAL FOUNDATION CONSTRUCTION JOINT — NO SCALE



NOTES:
1. THE PROVISIONS HEREIN ARE APPLICABLE TO CONTINUOUS FOOTINGS AND GRADE BEAMS.
2. NO PIPES SHALL BE PLACED BELOW ISOLATED SPREAD FOOTINGS OR WITHIN 2 TO 1 BEARING ZONE AROUND SPREAD FOOTINGS.
3. REINFORCING SHALL NOT BE INTERRUPTED, CUT OR DISPLACED BY PLACEMENT OF UTILITY PIPE.
4. LEAN MIX CONCRETE FILL TO BE PLACED BEFORE FOOTING IS CAST (MONO-POUR FOOTING CONC OPTIONAL.) MAKE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH.
5. STEP FOOTING IF PIPE OCCURS IN LOWER THIRD OF ORIGINAL FOOTING DEPTH.
6. IF PIPE IS IN PLACE PRIOR TO CASTING CONCRETE, WRAP PIPE w/ 1" STYROFOAM INSULATION IN LIEU OF SLEEVE.
7. UTILITY PIPES ARE NOT ALLOWED PARALLEL IN FOOTING.
8. MULTIPLE UTILITY PIPES (TWO OR MORE) MAY BE INSTALLED AS SHOWN, PROVIDED THEY ARE SPACED A MINIMUM OF (4) PIPE/CONDUIT DIAMETERS ON CENTER WITH A MINIMUM OF 3" OF CONCRETE BETWEEN. PIPE DIAMETER INDICATED IS THE ROUGH HOLE SIZE THRU FOOTING.
9. UTILITY PIPE RISERS MAY OCCUR IN CONTINUOUS FOOTINGS PROVIDED THEY ARE NO LARGER THAN (FOOTING WIDTH/6) AND OCCUR WITHIN THE MIDDLE 1/2 OF THE FOOTING WIDTH. MULTIPLE RISERS MAY OCCUR IF SPACED AS NOTED ABOVE.
10. UTILITY PIPES PERPENDICULAR TO FOOTINGS AND MORE THAN 2'-0" BELOW BOTTOM OF FOOTINGS DO NOT REQUIRE LEAN-MIX CONCRETE ENCASEMENT, SUBJECT TO ACCEPTANCE BY THE GEOTECHNICAL ENGINEER.
11. CONDITIONS NOT CONFORMING TO THE PARAMETERS NOTED ABOVE SHALL BE REVIEWED ON A CASE-BY-CASE BASIS.

DETAIL 4/S5.1 — CONCRETE FOOTINGS AT UTILITY PIPES AND CONDUIT — NO SCALE

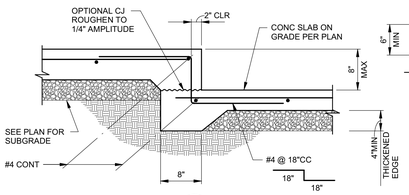


MINIMUM BEND DIAMETER
D=6d FOR #3 THRU #8
D=8d FOR #9 THRU #11
D=10d FOR #14 THRU #18

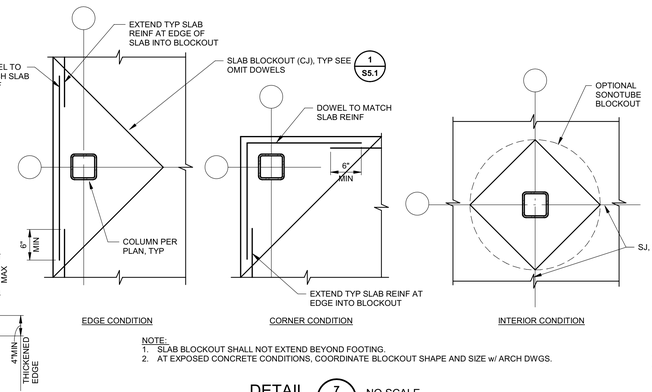
MINIMUM BEND DIAMETER
D=4d FOR #3 THRU #5
D=6d FOR #6 THRU #8

NOTE: ALL HOOKS SHALL BE 90° OR 180° STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED.

DETAIL 5/S5.1 — STANDARD REBAR HOOKS AND BENDS — NO SCALE

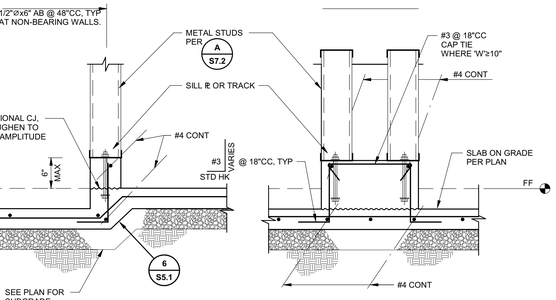


DETAIL 6/S5.1 — STEP IN SLAB — NO SCALE

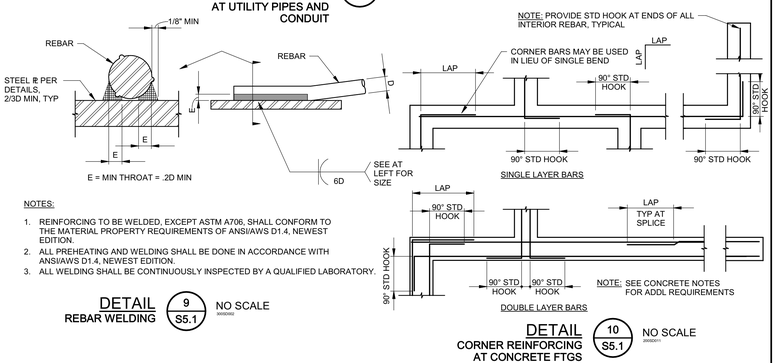


NOTE:
1. SLAB BLOCKOUT SHALL NOT EXTEND BEYOND FOOTING.
2. AT EXPOSED CONCRETE CONDITIONS, COORDINATE BLOCKOUT SHAPE AND SIZE w/ ARCH DWGS.

DETAIL 7/S5.1 — SLAB BLOCKOUT — NO SCALE



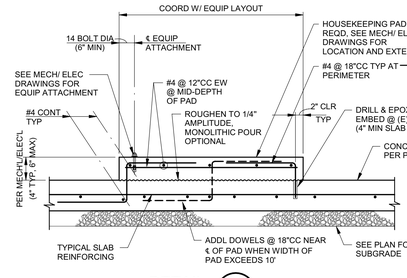
DETAIL 8/S5.1 — TYPICAL FOOTING STEP — NO SCALE



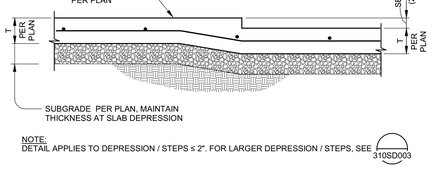
NOTES:
1. REINFORCING TO BE WELDED, EXCEPT ASTM A706, SHALL CONFORM TO THE MATERIAL PROPERTY REQUIREMENTS OF ANSI/AWS D1.4, NEWEST EDITION.
2. ALL PREHEATING AND WELDING SHALL BE DONE IN ACCORDANCE WITH ANSI/AWS D1.4, NEWEST EDITION.
3. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY.

DETAIL 9/S5.1 — REBAR WELDING — NO SCALE

DETAIL 10/S5.1 — CORNER REINFORCING AT CONCRETE FTGS — NO SCALE



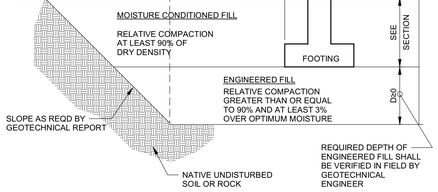
DETAIL 11/S5.1 — HOUSEKEEPING PAD AT SLAB ON GRADE — NO SCALE



NOTE:
DETAIL APPLIES TO DEPRESSION / STEPS ≤ 2". FOR LARGER DEPRESSION / STEPS, SEE 310SD003

DETAIL 12/S5.1 — SLAB DEPRESSION — NO SCALE

DETAIL 13/S5.1 — CURB AT SLAB DEPRESSION — NO SCALE



DETAIL 14/S5.1 — 3/8" = 1'-0"

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

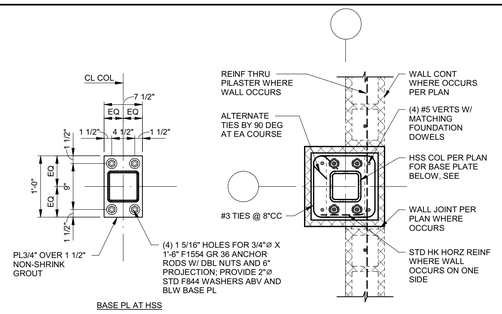
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

CONCRETE DETAILS

SHEET NO.

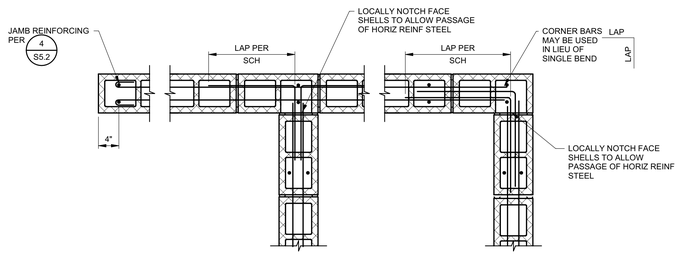
S5.1

ISSUE DATE: JULY , 2023 v3

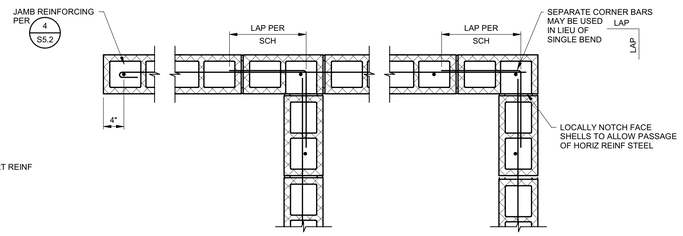


BASE PL AT HSS

DETAIL 1/S5.2 — 1" = 1'-0"

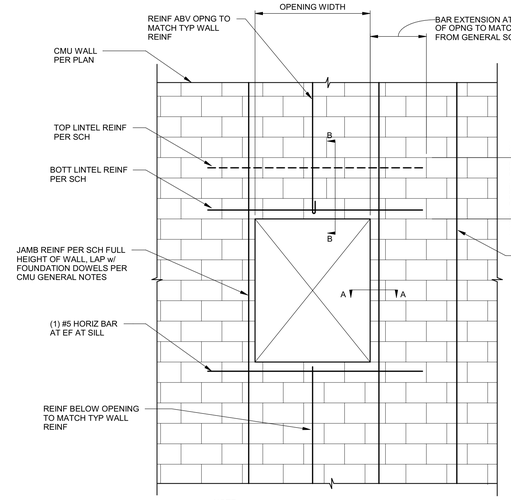


EACH FACE VERTICAL REINFORCING



CENTERED VERTICAL REINFORCING

NOTES:
1. LAP ALL VERTICAL BARS WITH MATCHING DOWELS AT FOOTINGS.
2. FOR TYPICAL REINFORCING, SEE 5/S5.2

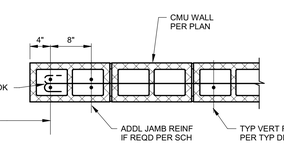


NOTE:
WHERE STRAIGHT EXTENSION LENGTH CANNOT BE ACHIEVED, BEND BAR 90° VERTICALLY. EXTENSION LENGTH SHALL BE MAINTAINED.

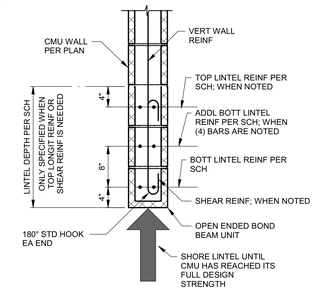
WALL OPENING SCHEDULE

WIDTH	MIN LINTEL DEPTH	LINTEL REINF BOTTOM	LINTEL REINF TOP	JAMB REINF	NOTES
0'-0" TO 6'-0"	24"	(1) #5 EF	--	(1) #5 EF	--
6'-9" TO 10'-0"	32"	(2) #5 EF	--	(2) #5 EF	--

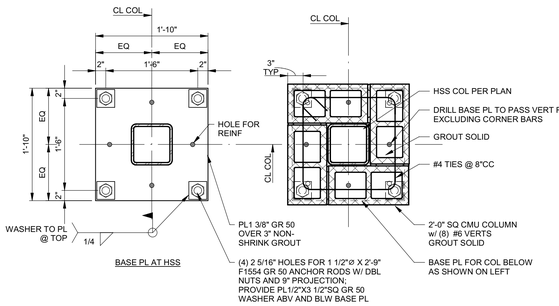
NOTE: FOR OPENINGS GREATER IN WIDTH, SEE WALL ELEVATIONS



SECTION A-A



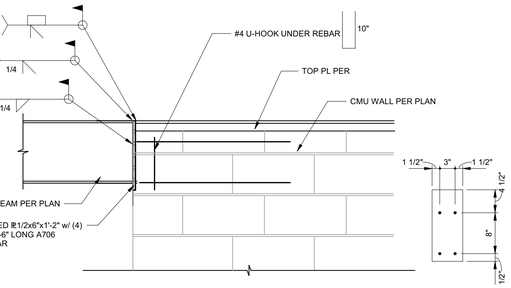
SECTION B-B



BASE PL AT HSS

DETAIL 2/S5.2 — 1" = 1'-0"

DETAIL 3/S5.2 — NO SCALE
INTERSECTION & CORNER REINF AT WALLS



NOTES:
1. ANCHORS IN CMU SHALL BE HEADED BOLTS UNO.
2. LENGTHS OF THE BOLTS SHOULD BE AS REQUIRED FOR BOLT PROJECTION PLUS SPECIFIED EMBEDMENT DEPTH. WHERE EMBEDMENT IS NOT SPECIFIED, EMBED BOLT FOR 1/2" MIN CLR TO BLOCK FACE.
3. PROVIDE (2) ANCHOR BOLTS MIN PER LEDGER. PROVIDE WITHIN 8" MAX OF EA END OF LEDGER.

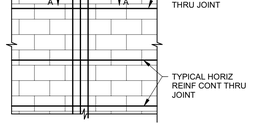
DETAIL 4/S5.2 — NO SCALE
REINFORCING AT WALL OPENING

TYPICAL 8" CMU REINFORCING

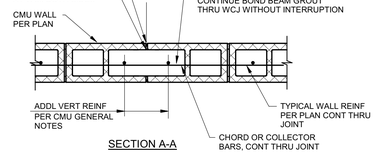
NOTES:

1. PROVIDE DOWELS @ FOOTINGS TO MATCH VERTICAL BARS IN SIZE AND LOCATION - LAP SPLICE WITH VERTICAL BARS PER CMU NOTES.
2. FOR "EACH FACE" VERT REINF, HORIZ REINF BARS ARE TO BE PLACED TOWARD THE INTERIOR FACE OF THE WALL. VERT BARS ARE TO BE PLACED CLOSER TO THE UNIT FACE SHELL, UNO.
3. FOR CENTERED VERT REINF, HORIZ BARS ARE TO BE PLACED TOWARD THE INTERIOR OR EXTERIOR FACE OF THE WALL. VERT BARS ARE TO BE PLACED IN THE CENTER OF THE UNIT, UNO.
4. AT CONTRACTOR'S OPTION VERT REINF LOCATED AT EACH FACE MAY BE LOCATED IN THE SAME CELL, NOT STAGGERED.
5. ALL STACKED BOND CMU TO BE OPEN-ENDED BLOCK.

DETAIL 5/S5.2 — NO SCALE
CMU WALL REINFORCING



ELEVATION

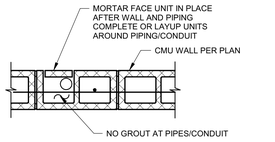


SECTION A-A

NOTES:
1. LOCATIONS OF WALL JOINTS ARE SHOWN ON PLANS. WCJ INDICATES A WALL CONTROL JOINT.
2. ALL HORIZONTAL BARS SHALL BE CONTINUOUS THROUGH WALL JOINTS.
3. THE CONTRACTOR SHALL COORDINATE LOCATION OF WALL JOINTS WITH JOINTS IN FINISH MATERIAL AND OPENINGS IN WALL. SUBMIT PLANS OF FINAL JOINT LOCATIONS FOR REVIEW BY ARCHITECT/ ENGINEER.
4. JOINTS TO BE PLACED MINIMUM OF 1.5 TIMES HEIGHT OF WALL OR 25 FT.
5. CONTROL JOINTS TO 8" FROM FACE OF ADJACENT OPENING WHERE NOT DIMENSIONED ON PLAN.

DETAIL 6/S5.2 — NO SCALE
WALL CONTROL JOINT (WCJ)

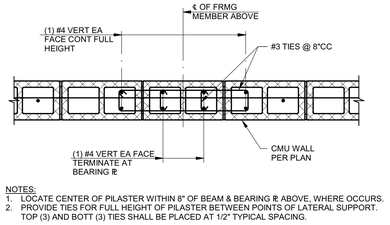
DETAIL 7/S5.2 — 1" = 1'-0"



PLAN

NOTE:
3/4"ø MAX VERTICAL PIPE/CONDUIT WHERE VERT BARS DO NOT OCCUR UNO ON STRUCTURAL PLANS

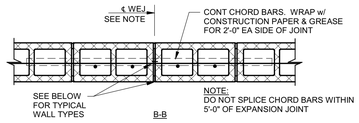
DETAIL 8/S5.2 — NO SCALE
PIPES IN CMU WALL



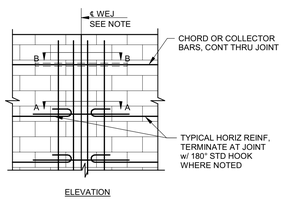
NOTES:
1. LOCATE CENTER OF PILASTER WITHIN 8" OF BEAM & BEARING ℝ ABOVE, WHERE OCCURS.
2. PROVIDE TIES FOR FULL HEIGHT OF PILASTER BETWEEN POINTS OF LATERAL SUPPORT. TOP (3) AND BOTT (3) TIES SHALL BE PLACED AT 1/2" TYPICAL SPACING.

DETAIL 9/S5.2 — NO SCALE
FLUSH PILASTER

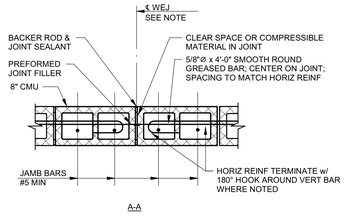
NOTES:
1. LOCATIONS OF WALL JOINTS ARE TO BE SHOWN ON PLANS. WEJ INDICATES A WALL EXPANSION JOINT. WCJ INDICATES A WALL CONTROL JOINT.
2. MAXIMUM SPACING OF WALL JOINTS IS 25'-0" OR 1.5 TIMES THE WALL HEIGHT. LOCATE JOINTS AT 1/2 THE MAXIMUM SPACING FROM CORNERS. PLACE NO EXPANSION JOINTS WITHIN 2'-0" OF ANY DOOR OR WINDOW OPENING.
3. THE CONTRACTOR SHALL COORDINATE LOCATION OF WALL JOINTS w/ JOINTS IN FINISH MATERIAL AND OPENINGS IN WALL. SUBMIT PLANS OF FINAL JOINT LOCATIONS FOR REVIEW OF ARCHITECT/ ENGINEER.



B-B

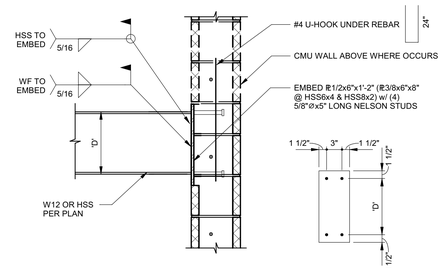


ELEVATION

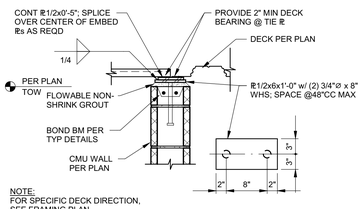


A-A

DETAIL 10/S5.2 — NO SCALE
TYPICAL CMU WALL EXPANSION JOINT (WEJ)



DETAIL 11/S5.2 — 1" = 1'-0"



NOTE:
FOR SPECIFIC DECK DIRECTION, SEE FRAMING PLAN

DETAIL 13/S5.2 — NO SCALE
METAL DECK TO CMU WALL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916 443 0303

LAWRENCE E. JONES No. 3138 04/30/2020 STRUCTURAL STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
MASONRY DETAILS
SHEET NO.
S5.2

ISSUE DATE: JULY , 2023
V3

0103

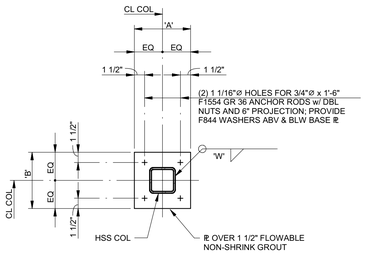
ONE INCH = TWENTY FEET
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

5105D001

A S5.3 BASE PLATE SCHEDULE

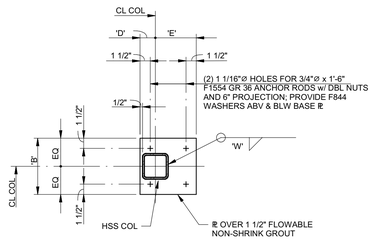
COLUMN SIZE	BASE PLATE DIMENSIONS						
	'T'	'A'	'B'	'C'	'D'	'E'	CAPACITY
3x3	5/8	9	0'-9"	3 1/2"	2"	7"	-
4x4	5/8	10	0'-10"	5"	2 1/2"	7 1/2"	-
5x5	1	11	0'-11"	5 1/2"	3"	8"	-
6x6/6x3	1	12	1'-0"	7"	3 1/2"	8 1/2"	-
8x8	1 1/4	14	1'-2"	9"	4 1/2"	9 1/2"	-

NOTES:
1. WELD 'W' SHALL BE 1/4 AT BASE PLATES 3/4 AND LESS, 5/16 AT BASE PLATES GREATER THAN 3/4.



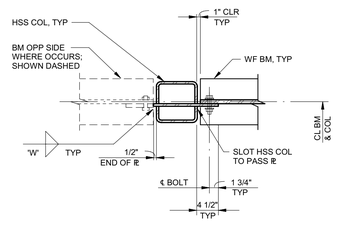
NOTE: FOR PLATE DIMENSIONS AND WELDING, SEE A S5.3

DETAIL 1 S5.3 NO SCALE 5105D002

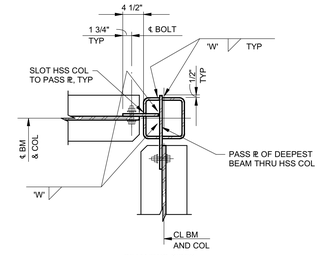


NOTE: FOR PLATE DIMENSIONS AND WELDING, SEE A S5.3

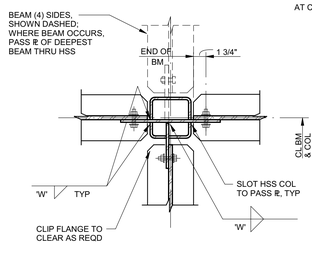
DETAIL 2 S5.3 NO SCALE 5105D003



BEAM ONE OR TWO OPPOSITE SIDES

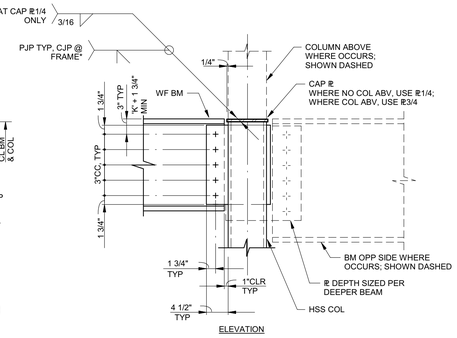


BEAM TWO SIDES



BEAM THREE OR FOUR SIDES

NOTE: FOR SHEAR PLATE THICKNESS, BOLTS, & WELDING INFORMATION NOT NOTED, SEE C S5.3



ELEVATION

*CJP WELD @ FRAME COL SPLICE IS A DEMAND CRITICAL WELD TO BE PERFORMED IN ACCORDANCE w/ AISC 341 SECTION A3.4b AND AWS D1.8/D1.8M

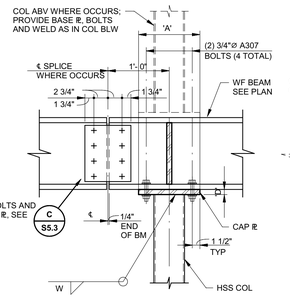
DETAIL 3 S5.3 NO SCALE 5105D011
NON-FRAME MOMENT CONN BEAM TO BEAM

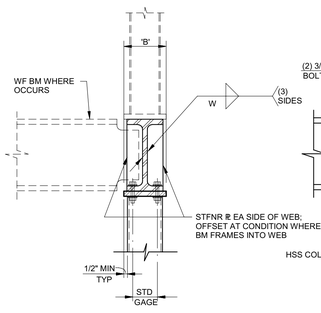
5125D021

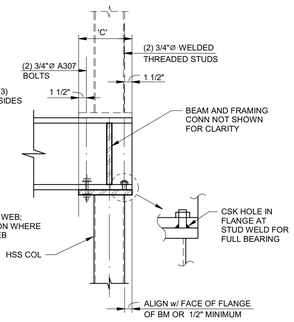
B S5.3 CONNECTION SCHEDULE

HSS COLUMN SIZE	STFNR ℄ THICKNESS[1] 'T'	'W'	BASE OR CAP ℄ PER DETAIL			
			'A'	'B'[2]	'C'	THICKNESS 'D'
3x3	1/4	3/16	11"	4"	7 1/2"	1/2
4x4	1/4	1/4	12"	5"	8 1/2"	5/8
5x5	3/8	1/4	13"	6"	9 1/2"	3/4
6x6	3/8	1/4	14"	7"	10 1/2"	3/4
8x8	3/4	5/16	15"	9"	12 1/2"	7/8

NOTES:
1. USE ℄ 'T' FOR LARGEST HSS COLUMN AT CONNECTION
2. 'B' INDICATES THE MINIMUM WIDTH. USE THE GREATER WIDTH OF THE BEAM FLANGE OR THE MINIMUM INDICATED.
3. FOR ADDITIONAL REQUIREMENTS WHERE BEAM FRAMES INTO COLUMN AT WEB STFNR ℄, SEE 4 S5.3







FOR PLATE DIMENSIONS, BOLTS, & WELDING INFORMATION NOT NOTED, SEE B S5.3

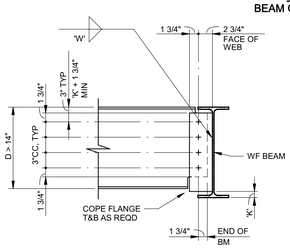
DETAIL 4 S5.3 NO SCALE 5125D020
BEAM OVER HSS COLUMN

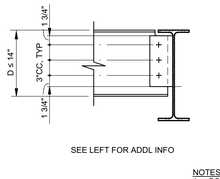
5135D001

C S5.3 CONNECTION SCHEDULE

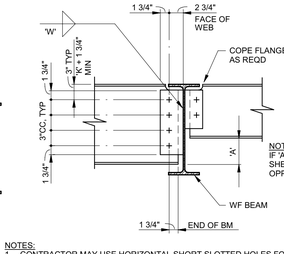
BEAM SIZE	NO. & DIA. A325-N BOLTS	SHEAR ℄ THICKNESS 'T'	W	MAX. LOAD[2] CAPACITY
C8 & C10	(2) 7/8"ø	1/4	3/16	26.1[K]
W8 & W10	(2) 7/8"ø	1/4	3/16	26.1[K]
W12 & W14	(3) 7/8"ø	1/4	3/16	39.2[K]
W16	(4) 7/8"ø	3/8	1/4	78.3[K]
W18	(5) 7/8"ø	3/8	1/4	97.9[K]

1. THIS SCHEDULE APPLIES TO NON-FRAME CONNECTIONS, TYPICAL.
2. LRFD LOAD CAPACITY PER AISC MANUAL 14TH ED., TABLE 10-10A.





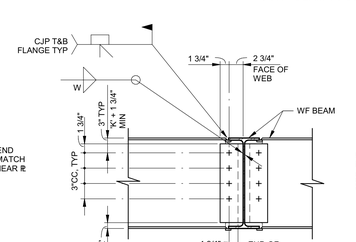
SEE LEFT FOR ADDL INFO



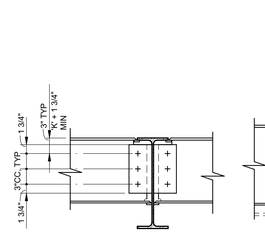
NOTE: IF 'A' > 6" EXTEND SHEAR ℄ TO MATCH OPPOSING SHEAR ℄

NOTES:
1. CONTRACTOR MAY USE HORIZONTAL SHORT SLOTTED HOLES FOR THESE CONNECTIONS ONLY. THE SHORT SLOTTED HOLES SHALL BE IN THE SHEAR ℄ WITH HARDENED WASHERS PROVIDED OVER THE SLOTS. TYPE 'N' BEARING CONNECTIONS SHALL BE USED.
2. FOR SHEAR PLATE THICKNESS, BOLTS, & WELDING INFORMATION NOT NOTED, SEE C S5.3

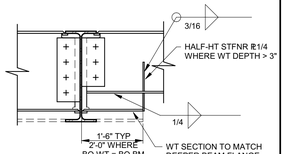
DETAIL 5 S5.3 NO SCALE 5135D004
BEAM TO BEAM ONE SIDE



EQUAL BEAM DEPTHS



UNEQUAL BEAM DEPTHS CONDITION 1
SEE "EQUAL BEAM DEPTHS" FOR INFO NOT NOTED



UNEQUAL BEAM DEPTHS CONDITION 2
SEE "EQUAL BEAM DEPTHS" FOR INFO NOT NOTED

NOTES:
1. CONTRACTOR MAY USE HORIZONTAL SHORT SLOTTED HOLES FOR THESE CONNECTIONS ONLY. THE SHORT SLOTTED HOLES SHALL BE IN THE SHEAR ℄ WITH HARDENED WASHERS PROVIDED OVER THE SLOTS. TYPE 'N' BEARING CONNECTIONS SHALL BE USED.
2. FOR SHEAR PLATE THICKNESS, BOLTS, & WELDING INFORMATION NOT NOTED, SEE C S5.3

DETAIL 6 S5.3 NO SCALE 5135D005
BEAM TO BEAM TWO SIDES

FOR SHEAR PLATE THICKNESS, BOLTS, & WELDING INFORMATION NOT SHOWN, SEE C S5.3

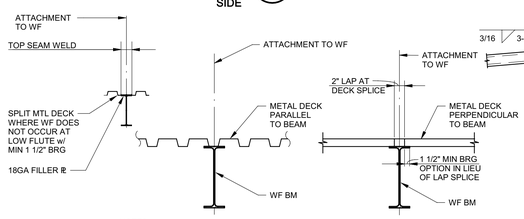
DETAIL 7 S5.3 NO SCALE 5135D004
NON-FRAME MOMENT CONNECTION BEAM TO BEAM

5305D001

D S5.3 METAL DECK SCHEDULE

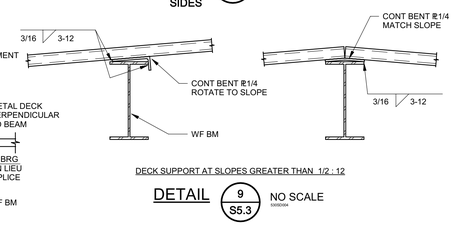
DECK TYPE	DEPTH & GAUGE	DECK PROFILE WITH CONNECTION PATTERN	AT PERPEND SUPPORT (PER SHEET)	AT PARALLEL SUPPORT	SIDE LAPS	MAXIMUM DECK SPAN
B-36 ROOF DECK	1 1/2"x18GA	36"	(4) SHOT PINS	SHOT PINS @ 12"CC	DG @ 18"CC	8'-0"
DGBF-36 ROOF DECK	1/2"x18G/18GA	36"	(4) SHOT PINS	SHOT PINS @ 12"CC	DG @ 18"CC	8'-0"

NOTES:
1. SHOT PINS SHALL BE HILTI X-EDN19, X-EDNK22 OR HSN24 AS SPECIFIED IN ER-0161 DG = ASC DELTAGRIP PUNCH
2. METAL DECK SHALL BE VERCO (IAPMO UES REPORT NO. 0217), ASC (IAPMO UES REPORT NO. 0161 & 0329), OR APPROVED EQUAL, OF TYPE AND GAUGE SHOWN ON PLANS AND WELDED AS SHOWN ABOVE.
3. FOR METAL DECK WELDING AT STRUCT STEEL SUPPORTS, SEE 8 S5.3
4. ALL METAL DECK SHALL HAVE TWO SPANS MINIMUM.
5. PROVIDE G90 GALVALIZED DECK WHERE EXPOSED TO WEATHER OR PAINT. COORDINATE WITH ARCHITECT.



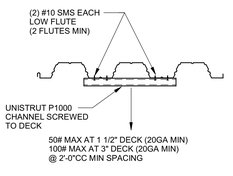
NOTES:
1. PROVIDE (2) ROWS OF PW AT ALL DRAG LINES, SHOWN ON PLAN AS BEAMS w/ SPECIAL END CONNECTIONS (▷, ▷▷, ◁▷, ◁▷◁, ▷)
2. FOR DECK ATTACHMENTS, SEE D S5.3

DETAIL 8 S5.3 NO SCALE 5305D003
METAL DECK w/O CONC TO WF BEAMS



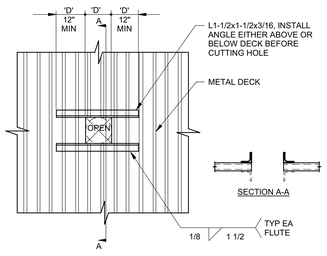
DECK SUPPORT AT SLOPES GREATER THAN 1/2 : 12

DETAIL 9 S5.3 NO SCALE 5305D004



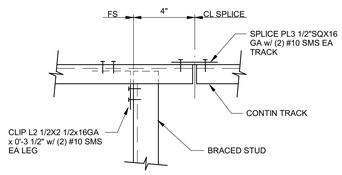
METAL DECK w/O CONCRETE

DETAIL 10 S5.3 NO SCALE 5305D007
TYPICAL HANGERS FROM METAL DECK w/ AND w/O CONCRETE

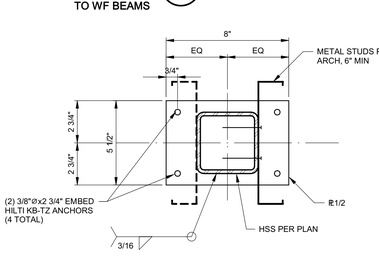


NOTE: APPLIES AT HOLES FROM 6" TO 24" WIDE IN METAL DECK WITHOUT CONCRETE

DETAIL 11 S5.3 NO SCALE 5310D005

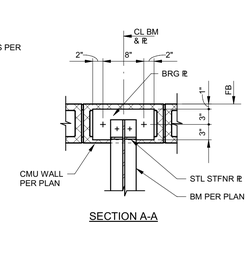


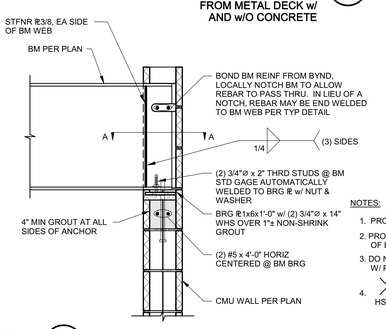
DETAIL 12 S5.3 3" = 1'-0" Drafting 17



FOR 8" WALLS

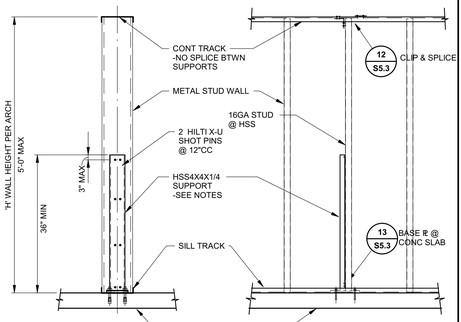
DETAIL 13 S5.3 3" = 1'-0" 5303_4





NOTES:
1. PROVIDE HSS4X4X1/4 @ 6'-0"CC MAX
2. PROVIDE HSS SUPPORT WITHIN 2'-0" OF END OF WALL
3. DO NOT PENETRATE HSS SUPPORTS W/ PIPING / CONDUITS, ETC.
4. ✕ INDICATES ANTICIPATED HSS LOCATION ON PLAN

DETAIL 14 S5.3 NO SCALE 4140D003
WF BEAM BEARING ON CMU WALL



FREESTANDING METAL STUD PARTITION SUPPORT

DETAIL 15 S5.3 3/4" = 1'-0" Drafting 16

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

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www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

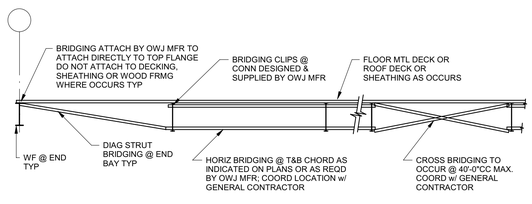
TYPICAL STEEL DETAILS

SHEET NO.

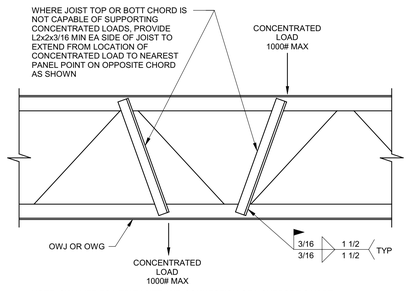
S5.3

ISSUE DATE: JULY , 2003 V3

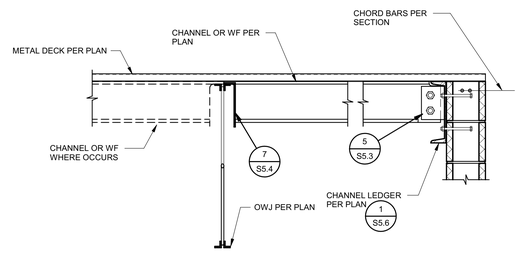
0104

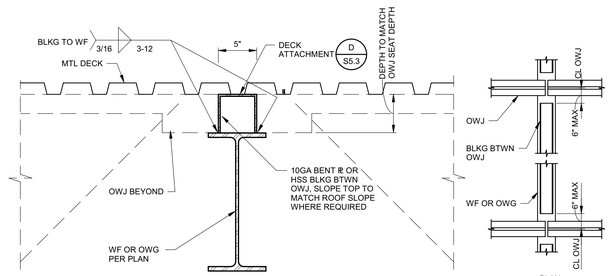


DETAIL OWJ BRIDGING 1 S5.4 NO SCALE



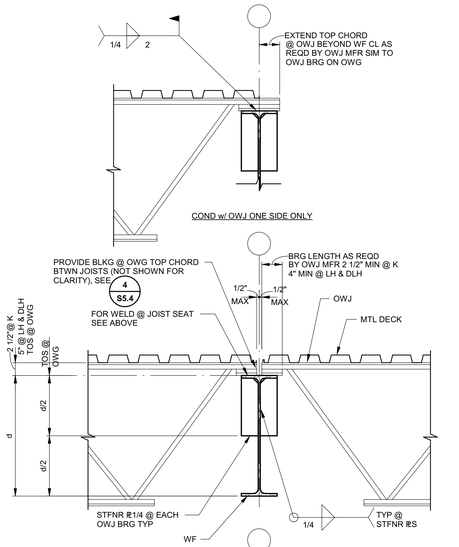
NOTE: OWJ MFR TO VERIFY SIZE AND CONNECTION OF L SUPPORT CAN BE ACCOMODATED WITHOUT COMPROMISING THE STRUCTURAL INTEGRITY OF THE JOIST AS DESIGNED BY THE MFR. IF DETAIL SHOWN IS NOT ACCEPTABLE, OWJ MFR IS TO PROVIDE ALTERNATE DETAIL.



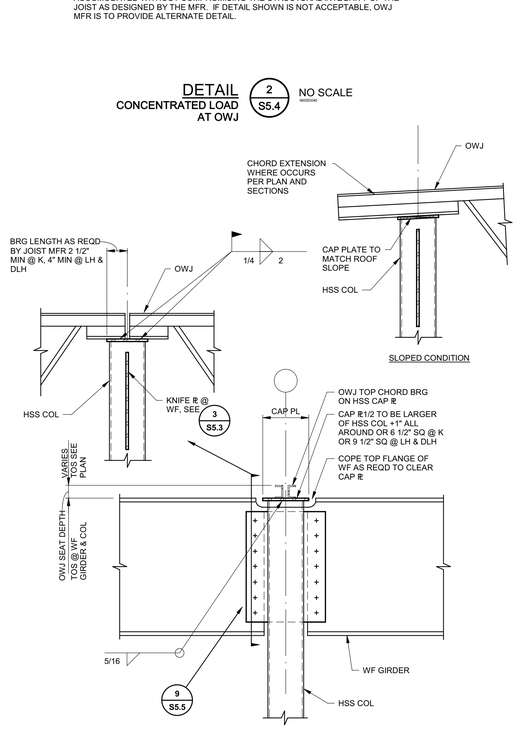


NOTE: COND @ BLDG EDGE w/ OWJ ONE SIDE ONLY SIM

DETAIL BENT PLATE BLOCKING 4 S5.4 NO SCALE

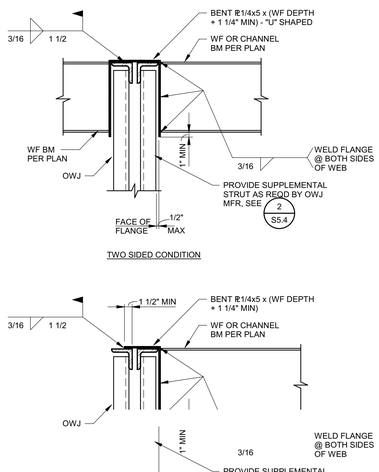


DETAIL OWJ TO GIRDER AT ROOF 5 S5.4 NO SCALE



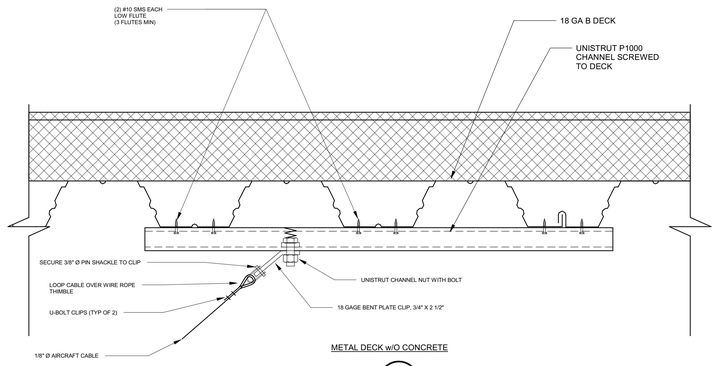
DETAIL CONCENTRATED LOAD AT OWJ 2 S5.4 NO SCALE

DETAIL WF GIRDER TO COLUMN AT ROOF 6 S5.4 NO SCALE



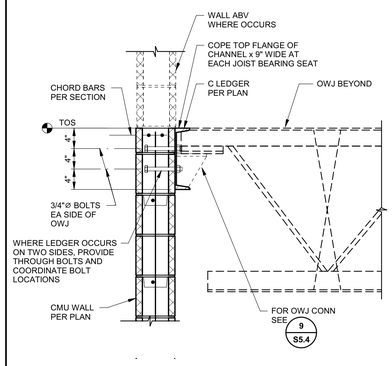
DETAIL BLOCKING BEAM AT OWJ 7 S5.4 NO SCALE

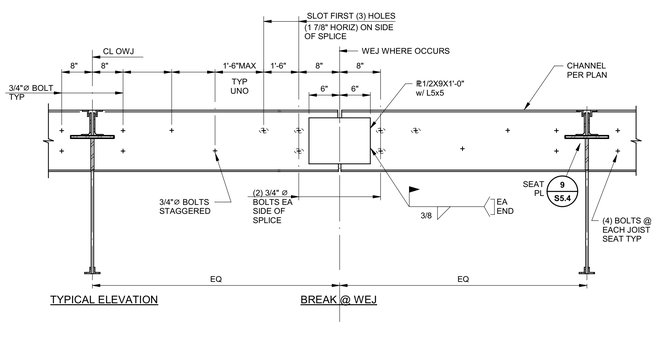
DETAIL 3 S5.4 1" = 1'-0"



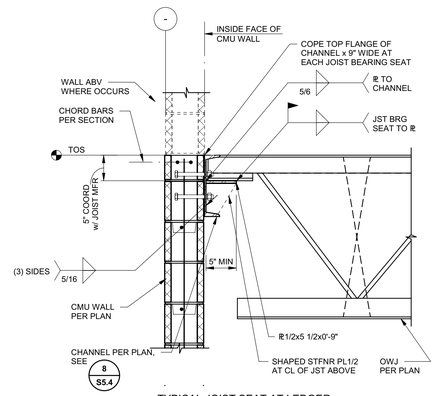
METAL DECK W/O CONCRETE

DETAIL SPACE CONNECTIONS 11 S5.4 — 3" = 1'-0"



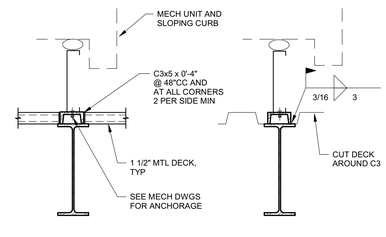


DETAIL 8 S5.4 1" = 1'-0"



TYPICAL JOIST SEAT AT LEDGER

DETAIL 9 S5.4 1" = 1'-0"



DETAIL MECHANICAL CURB w/ CHANNEL 10 S5.4 NO SCALE

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BUEHLER
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SACRAMENTO, CA 95811
916 443 0303

LAWRENCE E JONES No. 3138 04/30/2020 STRUCTURAL

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

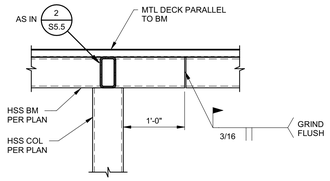
DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

DETAILS

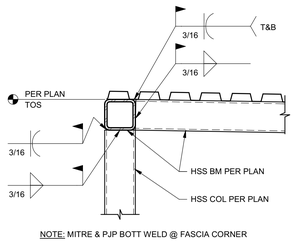
SHEET NO.
S5.4

ISSUE DATE: JULY , 2023 V3

0105

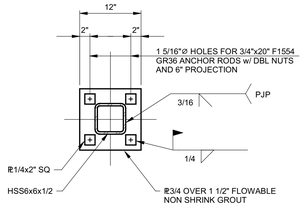


DETAIL 1 S5.5 BEAM SPLICE — 1" = 1'-0"

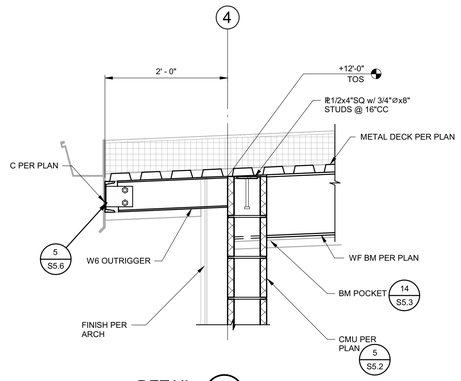


NOTE: MITRE & PJP BOTT WELD @ FASCIA CORNER

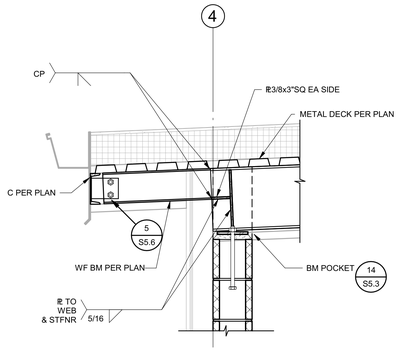
DETAIL 2 S5.5 TYP CONNECTION — 1" = 1'-0"



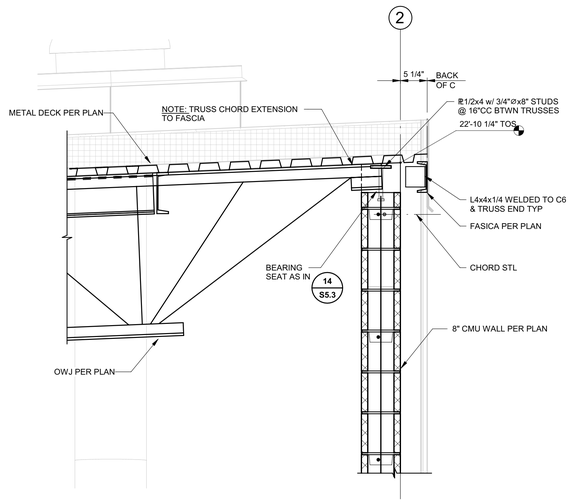
DETAIL 3 S5.5 — 1" = 1'-0"



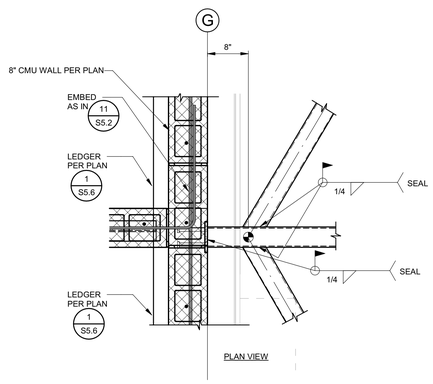
DETAIL 4 S5.5 — 1" = 1'-0"



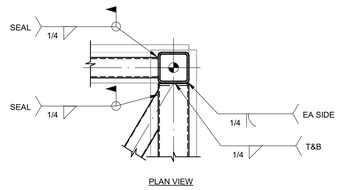
DETAIL 5 S5.5 — 1" = 1'-0"



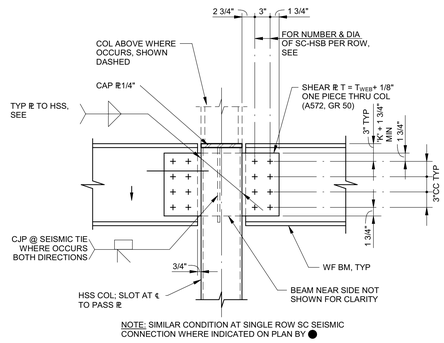
DETAIL 6 S5.5 — 1" = 1'-0"



DETAIL 7 S5.5 — 1" = 1'-0"

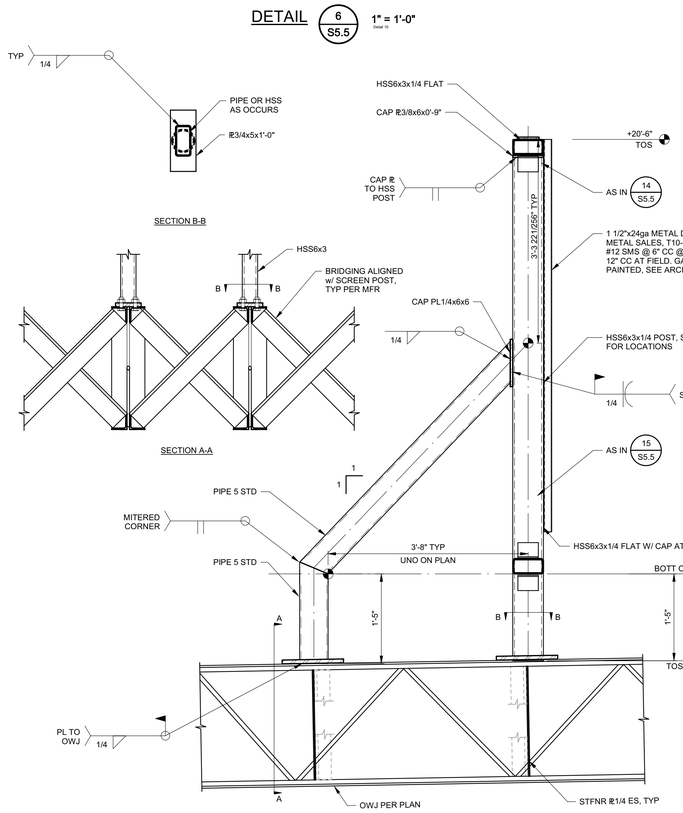


DETAIL 8 S5.5 — 1" = 1'-0"

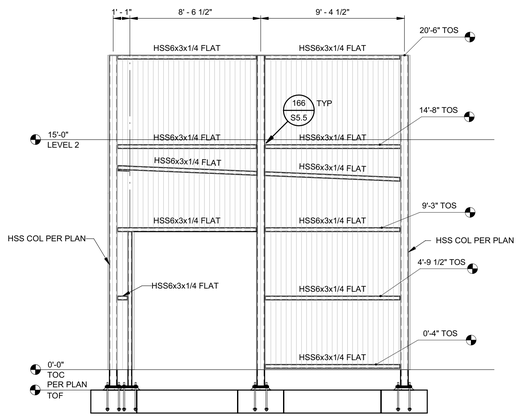


NOTE: SIMILAR CONDITION AT SINGLE ROW SC SEISMIC CONNECTION WHERE INDICATED ON PLAN BY ●

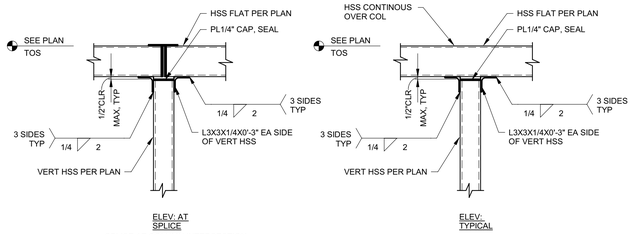
DETAIL 9 S5.5 SEISMIC TIE WF BEAM TO HSS COLUMN — NO SCALE



DETAIL 10 S5.5 MECH SCREEN SUPPORT — 1" = 1'-0"

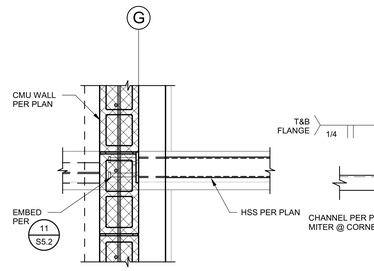


ELEVATION 11 S5.5 — 1/4" = 1'-0"

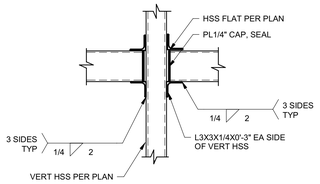


SPLICE AT COLUMN INTERSECTION. LOCATIONS AT CONTRACTORS CHOICE

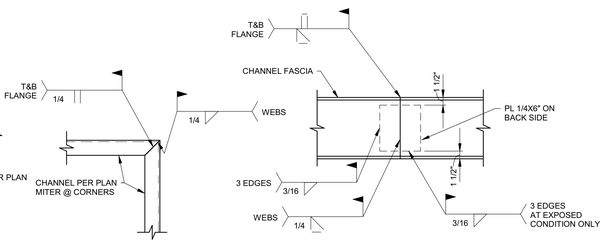
DETAIL 14 S5.5 — 1" = 1'-0"



DETAIL 12 S5.5 — 1" = 1'-0"

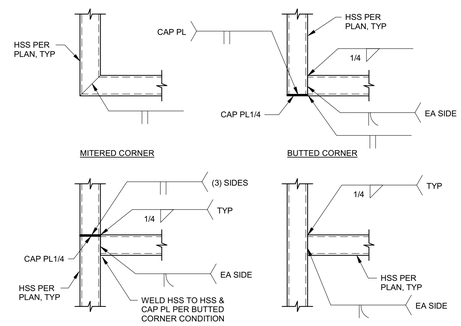


DETAIL 15 S5.5 — 1" = 1'-0"



SPLICE ELEVATION

DETAIL 13 S5.5 — 1" = 1'-0"



NOTES:
1. ALL WELDS AT EXPOSED CONDITIONS ARE ALL AROUND FOR CLOSURE.
2. ALL WELDS AT EXPOSED CONDITIONS SHALL BE GROUND SMOOTH.
3. ALL ERECTION AIDS TO BE REMOVED AND WELDS GROUND SMOOTH AFTER ERECTION.

DETAIL 166 S5.5 — 1" = 1'-0"

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California Department of General Services

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916 443 0303

LAWRENCE E. JONES, No. 3138, OAKBOARD STRUCTURAL ENGINEER, STATE OF CALIFORNIA

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
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ARCHITECT

AGENCY SUBMITTAL

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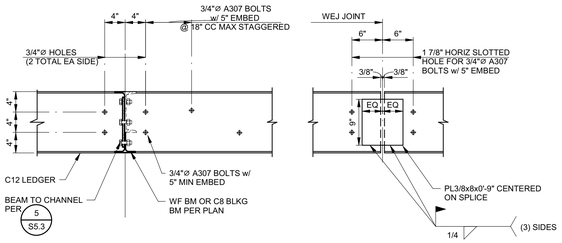
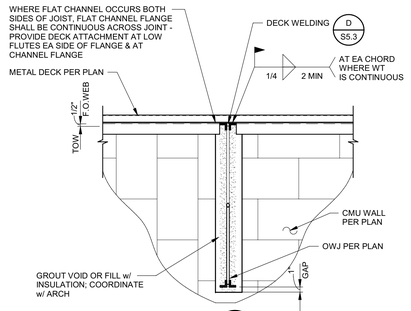
0106

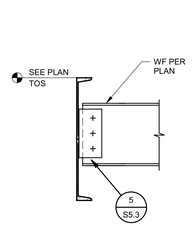


WF TO C12 LEDGER TYP

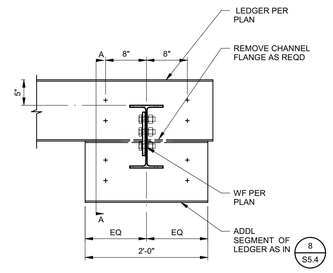
DETAIL 1 S5.6 — 1" = 1'-0"



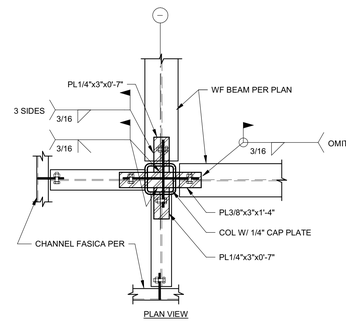
DETAIL 2 S5.6 — 1" = 1'-0"



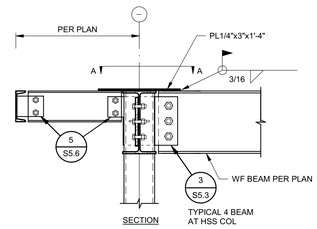
A-A



DETAIL 3 S5.6 — 1" = 1'-0"

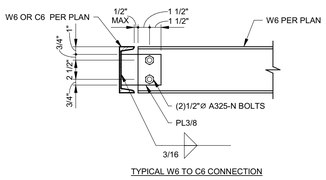


PLAN VIEW



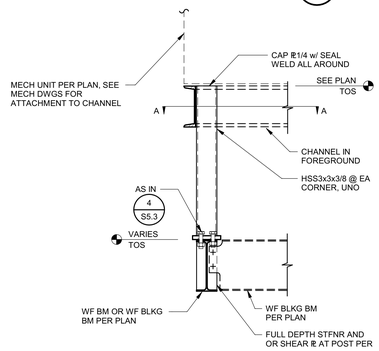
SECTION

DETAIL 4 S5.6 — 1" = 1'-0"



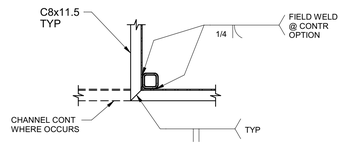
TYPICAL W6 TO C6 CONNECTION

DETAIL 5 S5.6 — 1 1/2" = 1'-0"

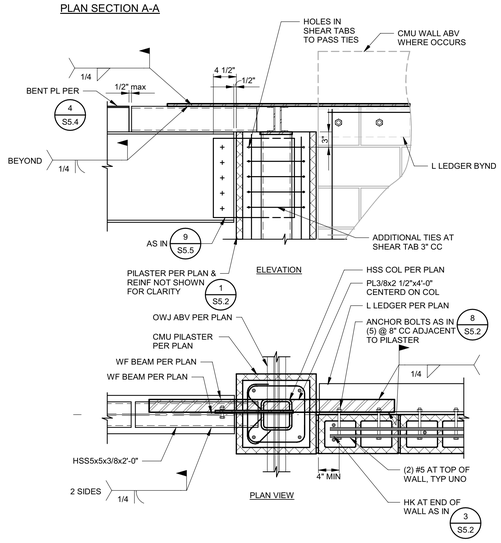


DETAIL 8 S5.6 — NO SCALE

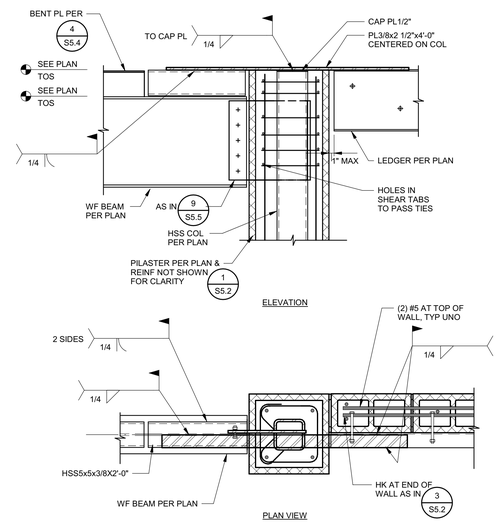
NOTES:
1. CONTRACTOR TO COORD LOCATION OF MECH UNITS, SUPPORT FRAMES & BLKG BEAMS.
2. ALL EXPOSED STEEL SHALL BE GALVANIZED.



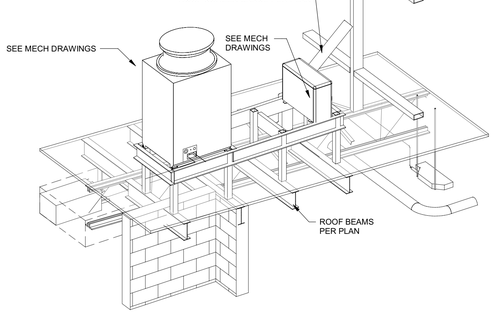
PLAN SECTION A-A



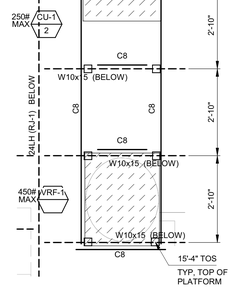
DETAIL 9 S5.6 — 1" = 1'-0"



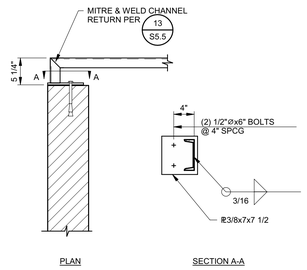
DETAIL 10 S5.6 — 1" = 1'-0"



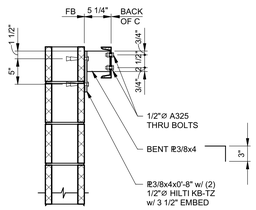
MECH PLATFORM —



PARTIAL PLAN 7 S5.6 — 1/2" = 1'-0"



DETAIL 11 S5.6 — 1" = 1'-0"



DETAIL 12 S5.6 — 1" = 1'-0"

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ARCHITECT

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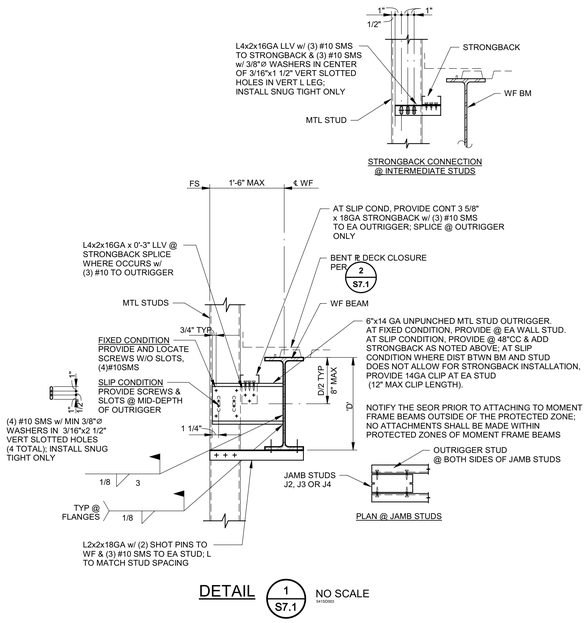
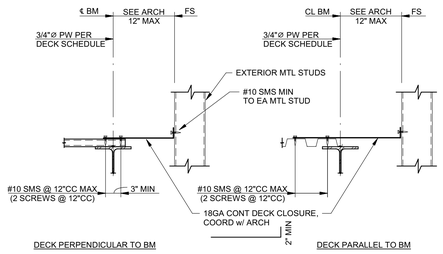
V3

0107

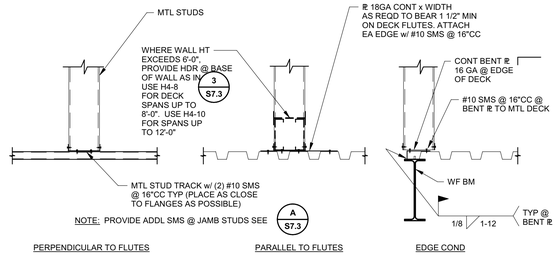
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



DETAIL 1 S7.1 NO SCALE



DETAIL 2 S7.1 NO SCALE
TYPICAL EDGE AT DECK w/O CONC FILL



DETAIL 3 S7.1 NO SCALE
TYPICAL SILL TRACK TO METAL DECK

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

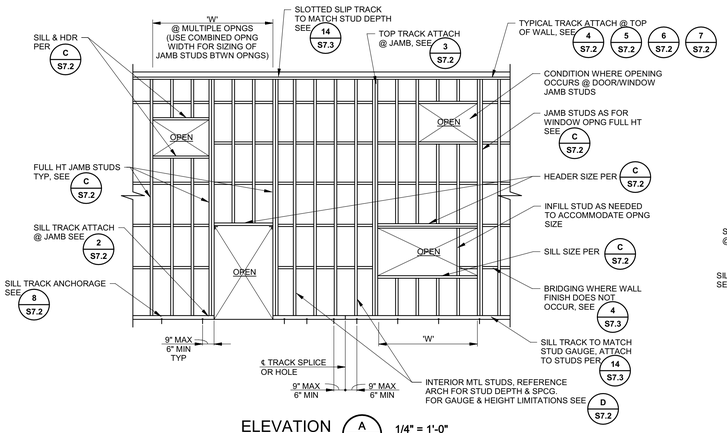
METAL STUD EXTERIOR DETAILS

SHEET NO.

S7.1

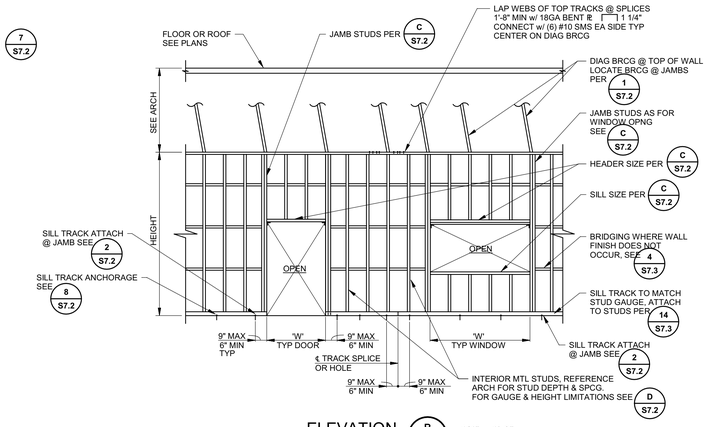
ISSUE DATE: JULY , 2021

V3



ELEVATION A S7.2 — FULL HEIGHT INTERIOR METAL STUD WALL

1/4" = 1'-0"



ELEVATION B S7.2 — PARTIAL HEIGHT INTERIOR METAL STUD WALL

1/4" = 1'-0"

5S5/8_5425D012

5425D014

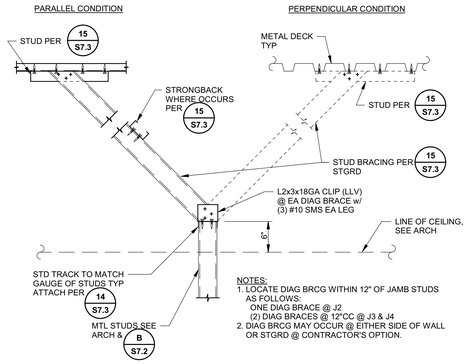
C S7.2 INTERIOR WALL OPENING FRAMING SCHEDULE

DEFLECTION LIMIT = L/120

"W"[15] MAX WIDTH	JAMBS	HEADER	SILL	HC4-8 SCREW SPCG	
				3 5/8" & 4" WALLS	6" & 8" WALLS
4'-0"	J1 [1,2,3]	H2	S1	X	X
8'-0"	J2	H4	S1 [9]		
12'-0"	J3	HC4-8 [4,5,12]	S2	8"CC	4"CC
16'-0"	J4	HC4-8 [6,7,8,12]	S4 [10]	8"CC	4"CC

NOTES:

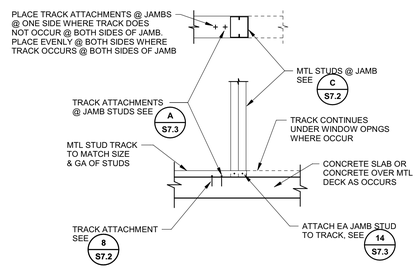
1. USE J2 MINIMUM AT DOOR OPENINGS.
2. USE J2 AT 4'-0" MAX OPNGS IN 20GA WALLS.
3. USE J2 AT 4'-0" MAX OPNGS IN 8"x18GA WALLS.
4. H4-6 MAY BE USED AT 12'-0" MAX OPNGS IN 16GA AND 14GA WALLS w/ THE EXCEPTION OF 8" WALLS.
5. USE 18GA MIN. HEADERS AT 12'-0" MAX OPNGS IN 8" WALLS.
6. USE 16GA MIN. HEADERS AT 16'-0" MAX OPNGS IN 3 5/8" & 4" WALLS.
7. USE 14GA MIN. HEADERS AT 16'-0" MAX OPNGS IN 6" & 8" WALLS UNO.
8. USE HC4-10 HEADERS AT 16'-0" MAX OPNGS IN 8"x14GA WALLS.
9. USE S2 SILLS AT 8'-0" MAX OPNGS IN 3 5/8x20GA, 4"x20GA, AND 6"x20GA WALLS.
10. S2 MAY BE USED AT 16'-0" MAX OPNGS IN 16GA AND 14GA WALLS w/ THE EXCEPTION OF 3 5/8" WALLS.
11. FOR JAMB, HEADER, AND SILL DETAILS, SEE SHEET
12. "H4-8" INDICATES HEADER TYPE AND DEPTH OF VERTICAL STUD ELEMENTS INSIDE HEADER. "HC4-8" INDICATES COMPOSITE HEADER w/ ADDL SCREW REQUIREMENTS, SEE SCHEDULE & 3 S7.3
13. FOR CONNECTION @ BASE OF WALL AT JAMBS SEE 2 S7.2
14. FOR CONNECTION @ TOP OF WALL AT JAMBS SEE 3 S7.2
15. 'W' WIDTH IS THE MAX WIDTH OF A SINGLE OPENING OR THE COMBINED WIDTH OF SIDE BY SIDE OPENINGS THAT SHARE A SINGLE JAMB STUD CONFIGURATION.



NOTES:
1. LOCATE DIAG BRCG WITHIN 12" OF JAMB STUDS AS FOLLOWS:
   ONE DIAG BRACE @ J2
   (2) DIAG BRACES @ 12"CC @ J3 & J4
2. DIAG BRCG MAY OCCUR @ EITHER SIDE OF WALL OR STGRD @ CONTRACTOR'S OPTION.

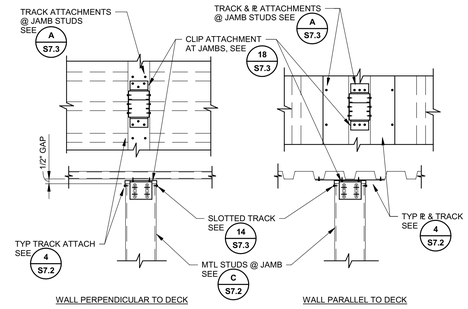
DETAIL 1 S7.2 — TYPICAL PARTIAL HEIGHT PARTITION WALL BRACING

NO SCALE



DETAIL 2 S7.2 — JAMB STUDS @ SILL TRACK

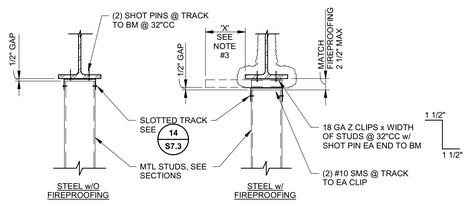
NO SCALE



WALL PERPENDICULAR TO DECK — WALL PARALLEL TO DECK

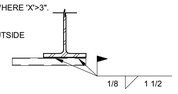
DETAIL 3 S7.2 — JAMB STUDS @ TOP TRACK

NO SCALE



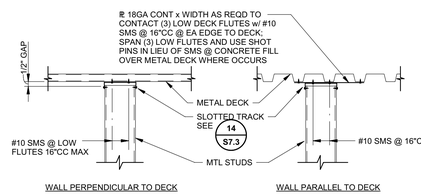
STEEL w/O FIREPROOFING — STEEL w/ FIREPROOFING

NOTES:
1. PROVIDE Z CLIPS AS REQD FOR FASTENERS @ JAMB STUDS SEE A S7.3
2. AT SOFFIT HANGERS, STUDS MAY BE ATTACHED AS SHOWN ABOVE WITH THE FOLLOWING MODIFICATIONS:
   A. USE STD 18 GA DEEP LEG TRACK IN LIEU OF SLIP TRACK. PROVIDE (2) #10 SMS EA SIDE OF HANGER.
   B. WHERE FIREPROOFING OCCURS, USE 14 GA Z CLIPS @ EA HGR. ATTACH TRACK TO CLIPS w/ (3) #10 SMS LOCATED WITHIN 1/2" OF EA EDGE AND AT MIDDLE OF TRACK. ALIGN Z CLIPS w/ HANGERS (±1 1/2").
   C. WHERE NO FIREPROOFING OCCURS, ATTACH TRACK TO BM WITH (2) SHOT PINS @ 16"CC LOCATED WITHIN 1/2" OF EA EDGE OF TRACK. FOR ADDITIONAL INFORMATION @ SUSPENDED SOFFITS SEE 16 S7.3
3. STUDS & HGRS MAY BE OFFSET FROM BM FLANGE UP TO 9" @ STUDS & 6" @ HGRS WITH THE FOLLOWING MODIFICATIONS:
   A. AT STUDS, PROVIDE 16GA Z CLIP & (3) SHOT PINS EVENLY SPACED WHERE "X">3".
   B. AT HANGERS, WELD CLIP TO BEAM AS SHOWN, WHERE "X">3".
4. NOTIFY THE SEOR PRIOR TO ATTACHING TO MOMENT FRAME BEAMS OUTSIDE OF THE PROTECTED ZONE. NO ATTACHMENTS SHALL BE MADE WITHIN PROTECTED ZONES OF MOMENT FRAME BEAMS.



DETAIL 6 S7.2 — SLIP TRACK TO STEEL BEAM

NO SCALE

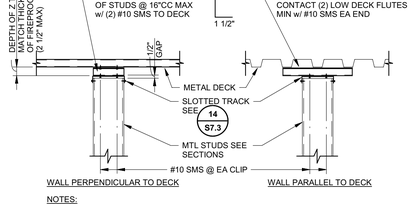


WALL PERPENDICULAR TO DECK — WALL PARALLEL TO DECK

NOTES:
1. FOR COND @ JAMB STUDS SEE 3 S7.2

DETAIL 4 S7.2 — SLIP TRACK TO METAL DECK w/O FIREPROOFING

NO SCALE

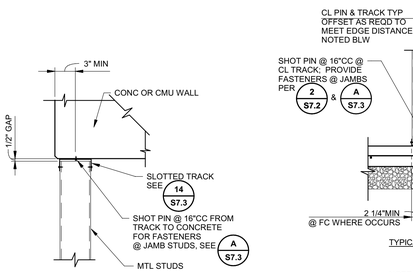


WALL PERPENDICULAR TO DECK — WALL PARALLEL TO DECK

NOTES:
1. WHERE CONC FILL OCCURS OVER METAL DECK, USE SHOT PINS IN LIEU OF SMS.
2. PROVIDE Z CLIPS AS REQD FOR FASTENERS @ JAMB STUDS, SEE A S7.3

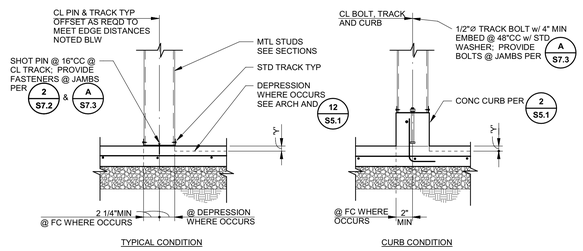
DETAIL 5 S7.2 — SLIP TRACK TO METAL DECK w/ FIREPROOFING

NO SCALE



DETAIL 7 S7.2 — SLIP TRACK TO CONCRETE

NO SCALE

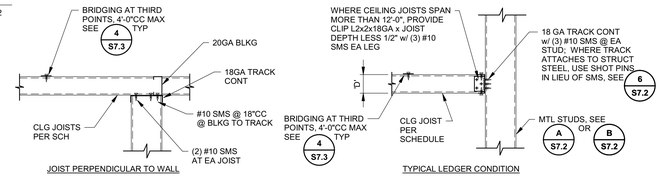


TYPICAL CONDITION — CURB CONDITION

NOTE:
WHERE SLAB DEPRESSION OCCURS, VERIFY DEPTH "Y" LOCATION & EXTENT w/ ARCH. WHERE "Y" EXCEEDS 2" USE PROVISIONS OF CURB COND.

DETAIL 8 S7.2 — SILL TRACK TO SLAB

NO SCALE



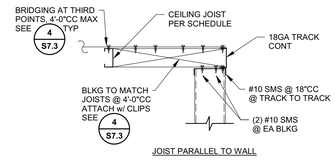
JOIST PERPENDICULAR TO WALL

TYPICAL LEDGER CONDITION

CEILING JOIST SCHEDULE

NON-ACCESSIBLE SPAN	ACCESSIBLE SPAN	CEILING JOIST
10'-0" MAX	5'-0" MAX	2 1/2" x 18GA @ 16"CC
14'-0" MAX	8'-0" MAX	3 5/8" x 18GA @ 16"CC
19'-0" MAX	10'-0" MAX	6" x 20GA @ 16"CC
20'-0" MAX	12'-0" MAX	6" x 18GA @ 16"CC
22'-0" MAX	16'-0" MAX	6" x 16GA @ 16"CC

1. ALL STUDS & JOISTS ARE 'S' TYPE.
2. WHERE CLG JOISTS ARE SUPPORTED FROM SOFFIT HGRS PER & CLG JOISTS OCCUR @ BOTH SIDES OF HGRS, JOIST SPANS SHALL NOT EXCEED 8'-0". PROVIDE ADDL LINES OF HGRS AS REQD. 16 S7.3



JOIST PARALLEL TO WALL

DETAIL 9 S7.2 — TYPICAL FRAMED CEILING DETAILS

NO SCALE

5425D033

D S7.2 INTERIOR METAL STUD PARTITIONS

MAXIMUM HEIGHT FOR METAL STUDS WITH S_{RD} = 0.75, I_P = 1.0
DEFLECTION LIMIT L/120, NON-BEARING WITH CABINET OR EQUIPMENT

16"CC SPACING

DEPTH	GAGE	DESIGNATION[3]	MAX HEIGHT
3 5/8"	20	362S162-33	17'-1"
3 5/8"	18	362S162-43	18'-6"
3 5/8"	16	362S162-54	20'-10"
3 5/8"	14	362S162-68	22'-7"
4"	20	400S162-33	18'-10"
4"	18	400S162-43	20'-11"
4"	16	400S162-54	22'-7"
4"	14	400S162-68	24'-7"
6"	20	600S162-33	25'-7"
6"	18	600S162-43	28'-8"
6"	16	600S162-54	32'-8"
6"	14	600S162-68	35'-10"
8"	20	800S162-33	29'-2"
8"	18	800S162-43	36'-11"
8"	16	800S162-54	42'-1"
8"	14	800S162-68	46'-10"

NOTES:
1. STUDS SHALL BE DEPTH AS INDICATED ON ARCH DRAWINGS AND GAUGE AS DETERMINED BY THIS SCHEDULE.
2. FOR TYPICAL WALL FRAMING CONDITIONS, SEE B S7.2
3. DESIGNATION CONFORMS TO STEEL STUD MANUFACTURER'S ASSOCIATION STANDARDS.
4. FOR WALL SUPPORTED CABINET INSTALLATION, SEE 17 S7.3
5. THE MAX HEIGHTS NOTED IN THIS SCHEDULE ARE BASED ON THE USE OF SEISMIC COMPONENT LOAD F_P OR A LIVE LOAD OF 5PSF, WHICHEVER GOVERNS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY

12/07/21
20-1059
SINCE 1885

Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916 443 0303

LAWRENCE E. JONES, No. 3138, 04/08/2020, STRUCTURAL, STATE OF CALIFORNIA

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724

SHEET TITLE

METAL STUDS INTERIOR DETAILS

SHEET NO.

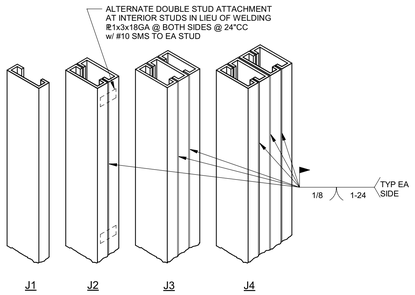
S7.2

ISSUE DATE: JULY...2023

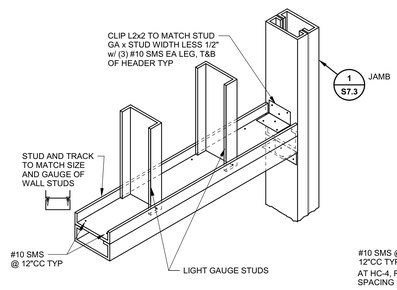
V3

0108

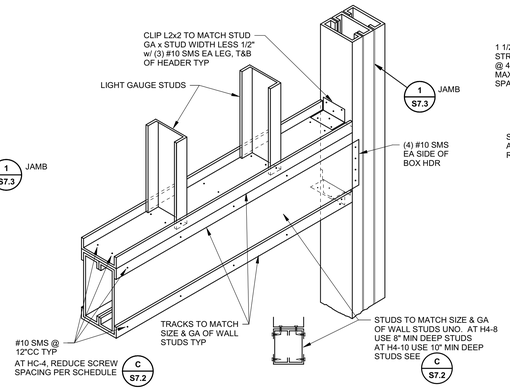
0109



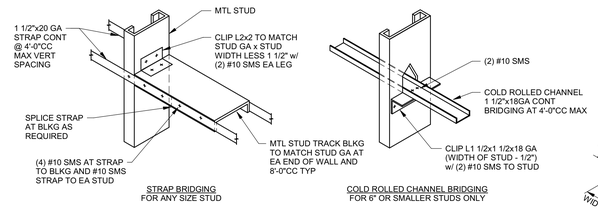
DETAIL JAMB DETAIL 1 S7.3 NO SCALE 54050001



DETAIL H2 HEADER DETAIL 2 S7.3 NO SCALE 54050002

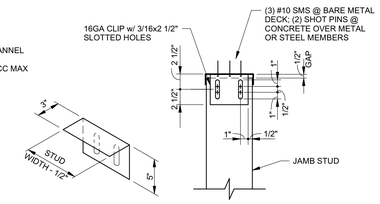


DETAIL H4/HC-4 BOX HEADER DETAIL 3 S7.3 NO SCALE 54050003



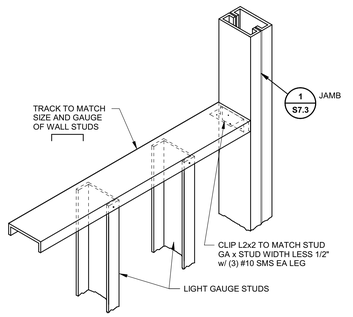
NOTE:
1. BRIDGING FOR 6" AND SMALLER STUDS MAY BE CONSTRUCTED OF COLD-ROLLED CHANNEL OR STRAPS AT CONTRACTOR'S OPTION UNLESS NOTED OTHERWISE.
2. WHERE FULL HEIGHT SHEATHING OR GYP BOARD OCCURS ON BOTH SIDES OF METAL STUD FRAMING, THE BRIDGING MAY BE OMITTED.
3. AT COND WHERE STRAP BRIDGING IS USED & WHERE WALL SHEATHING OR GYP BOARD OCCURS ON ONE SIDE OF WALL ONLY, STRAP MAY BE OMITTED ON SIDE OF WALL WHERE SHEATHING OR GYP OCCURS.

DETAIL TYPICAL STUD BRIDGING 4 S7.3 NO SCALE 54050004

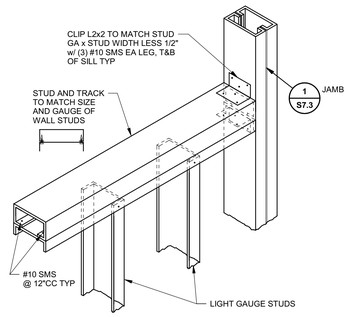


NOTES:
1. PROVIDE CLIP AT ALL EXTERIOR WALL JAMB STUDS AT SLOTTED TRACKS. PROVIDE CLIP AT ALL INTERIOR WALL DEFLECTION TRACKS WHERE OPENING WIDTH IS GREATER THAN 8'-0" WIDE.
2. CLIP TO OCCUR ONE SIDE OF J2 JAMBS, BOTH SIDES OF J3 & J4 JAMBS.

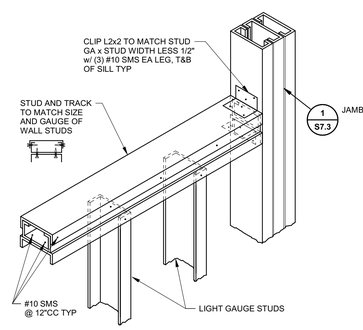
DETAIL 18 S7.3 — 1 1/2" = 1'-0"



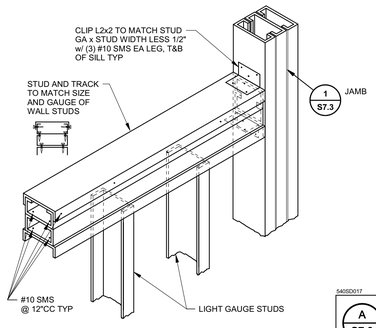
DETAIL S1 SILL DETAIL 5 S7.3 NO SCALE 54050005



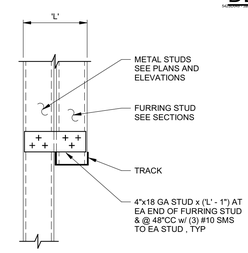
DETAIL S2 SILL DETAIL 6 S7.3 NO SCALE 54050006



DETAIL S3 SILL DETAIL 7 S7.3 NO SCALE 54050007



DETAIL S4 SILL DETAIL 8 S7.3 NO SCALE 54050008



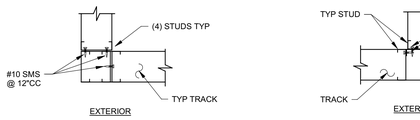
DETAIL STUD FURRING DETAIL 9 S7.3 NO SCALE 54050009

5405D017

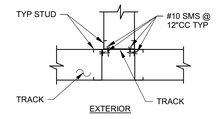
A S7.3 TRACK ATTACHMENT @ JAMB STUDS

JAMB TYPE	TRACK ATTACHMENT METHOD[1,2]		
	SHOT PIN	SMS	1/2"Ø BOLTS
J1	1	1	1
J2	2	2	1
J3	3	3	1
J4	4	4	2

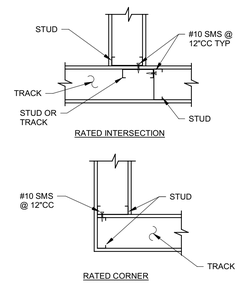
NOTES:
1. SCHEDULE INDICATES TRACK ATTACHMENTS REQUIRED WHERE JAMB STUDS OCCUR. SEE TYPICAL SILL AND TOP TRACK ATTACHMENT DETAILS FOR BASIC ATTACHMENT METHODS (I.E. SHOT PINS, SMS, BOLTS ETC...) & CONDITIONS BEYOND JAMB STUDS.
2. LOCATE ALL REQUIRED ATTACHMENTS AS CLOSE TO JAMB STUDS AS POSSIBLE. MAINTAIN ALL FASTENER SPACING AND EDGE DISTANCE REQUIREMENTS, AT SHOT PINS, SEE TYPICAL NOTES. AT SMS, MAINTAIN 1.5 x DIAMETER MIN EDGE DISTANCE & SPCG. AT BOLTS, SPACE NO CLOSER THAN 12 DIAMETERS AND NO MORE THAN 9" FROM END OF TRACK.



DETAIL TYPICAL WALL CORNER 10 S7.3 NO SCALE 54050010

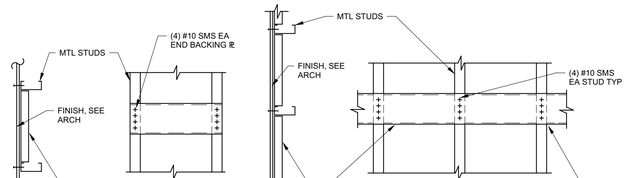


DETAIL TYPICAL TEE INTERSECTION 11 S7.3 NO SCALE 54050011



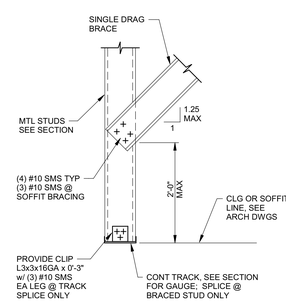
NOTE: SEE ARCH DRAWINGS FOR WALL FINISH CONSTRUCTION

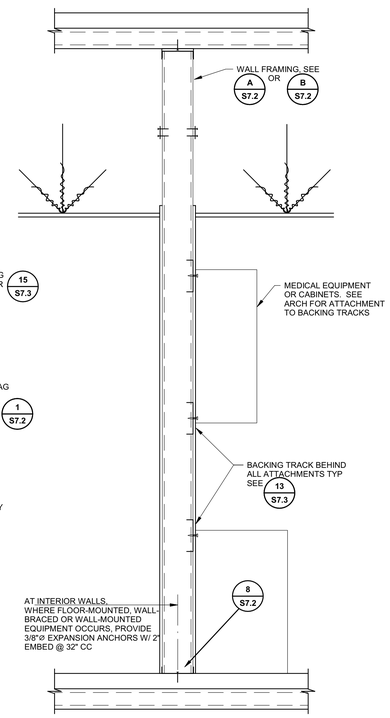
DETAIL TYPICAL FIRE-RATED WALL CORNER 12 S7.3 NO SCALE 54050012



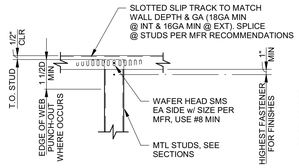
NOTE: IN LIEU OF TRACK, A 6"x16GA FLAT STRAP MAY BE USED TO SUPPORT LOADS UP TO 20 LBS/FT w/ A MAX CONCENTRATED LOAD OF 50 LBS. STRAP SHALL BE CONT OVER (3) STUDS MIN. ATTACH AS NOTED ABOVE.

DETAIL TYPICAL BACKING DETAIL 13 S7.3 NO SCALE 54050013



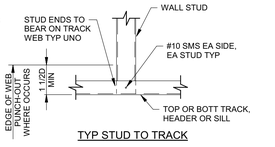


DETAIL TYPICAL BACKING DETAILS 17 S7.3 NO SCALE 54050016

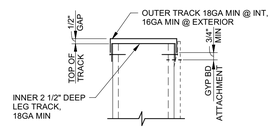


TYP STUD TO SLIP TRACK

NOTES:
1. SEE OTHER DETAILS FOR ATTACHMENTS OF T&B TRACK TO STRUCTURE. SCREWS & SHOT PINS @ WEBS OF SLIP TRACKS SHALL BE LOCATED IN SLOTTED HOLES PROVIDED BY MFR.
2. FOR ADDL INFO @ FIRE RATED WALLS, SEE ARCH (FOR WALL TYPE, DETAILS ETC...) & MFR UL LISTING.
3. D = STUD DEPTH
4. WHERE SLOPE OF SUPPORTING STRUCTURE IS GREATER THAN 1:12, A NESTED TRACK ASSEMBLY SHALL BE USED.

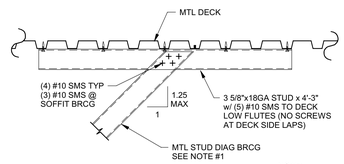


TYP STUD TO TRACK

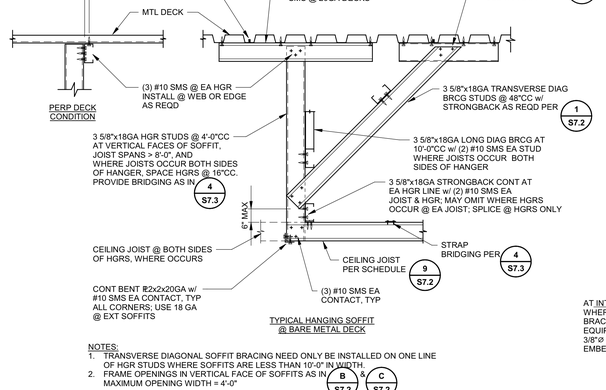


NESTED TRACK ALTERNATE

DETAIL TYPICAL STUD TO TRACK CONNECTION 14 S7.3 NO SCALE 54050014



DETAIL DIAGONAL BRACE AT BARE METAL DECK 15 S7.3 NO SCALE 54050015



BRACE ATTACHMENT AT STUD

NOTES:
1. TRANSVERSE DIAGONAL SOFFIT BRACING NEED ONLY BE INSTALLED ON ONE LINE OF HGR STUDS WHERE SOFFITS ARE LESS THAN 10'-0" IN WIDTH.
2. FRAME OPENINGS IN VERTICAL FACE OF SOFFITS AS IN B S7.2 & C S7.2 MAXIMUM OPENING WIDTH = 4'-0"
3. FOR CONDITION WHERE SOFFIT HGRS ATTACH TO BOTT OF WF BMS, SEE 6 S7.2

DETAIL TYPICAL FRAMED SOFFIT 16 S7.3 NO SCALE 54050016

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916 443 0303

LAWRENCE E. JONES No. 3138 04/30/2020 STRUCTURAL STATE OF CALIFORNIA

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

METAL STUDS COMMON DETAILS

SHEET NO.
S7.3

ISSUE DATE: JULY , 2021

V3

A. GENERAL INFORMATION

1.	Project Location (city)	Delano	8.	Standards Version	Compliance2019
2.	CA Zip Code	93215	9.	Compliance Software (version)	CBECC-Com 2019.1.1
3.	Climate Zone	13	10.	Weather File	PORTERVILLE_723895_CZ2010.epw
4.	Total Conditioned Floor Area in Scope	10,030 ft²	11.	Building Orientation (deg)	(N) 0 deg
5.	Total Unconditioned Floor Area	0 ft²	12.	Permitted Scope of Work	NewComplete
6.	Total # of Stories (Habitable Above Grade)	1	13	Building Type(s)	Nonresidential
7.	Total # of dwelling units	0	14	Gas Type	NaturalGas

B. PROJECT SUMMARY

Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

Building Components Complying via Performance					Building Components Complying Prescriptively	
Envelope	☒ Performance	Covered Process: Commercial Kitchens	☐ Performance		The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	☐ Not Included		☒ Not Included			
Mechanical	☒ Performance	Covered Process: Computer Rooms	☐ Performance		Indoor Lighting (Unconditioned)§140.6	NRCC-LTI -E is required
	☐ Not Included		☒ Not Included		Outdoor Lighting §140.7	NRCC-LTO-E is required
Domestic Hot Water	☒ Performance	Covered Process: Laboratory Exhaust	☐ Performance		Sign Lighting §140.8	NRCC -LTS-E is required
	☐ Not Included		☒ Not Included		Mandatory Measures	
Lighting (Indoor Conditioned)	☒ Performance				Electrical power systems, commissioning and solar ready requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	☐ Not Included				Electrical Power Distribution S110.11	NRCC-ELC-E is required
Solar Thermal Water Heating	☐ Performance				Commissioning S120.8	NRCC-CXR-E is required
	☒ Not Included				Solar Ready S110.10	NRCC-SRA-E is required

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)

COMPLIES

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	20.04	15.93	4.11
Space Cooling	87.47	81.11	6.36
Indoor Fans	119.24	71.29	47.95
Heat Rejection	--	--	--
Pumps & Misc.	--	--	--
Domestic Hot Water	13.76	12.81	0.95
Indoor Lighting	42.76	37.30	5.46
ENERGY STANDARDS COMPLIANCE TOTAL	**283.27**	**218.44**	**64.83 (22.9%)**

[1] *Notes: The number in parenthesis following the Compliance Margin in column 4. represents the Percent Better than Standard.*

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS[1]

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	75.48	75.48	0.0
Process	--	--	--
Other Ltg	--	--	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	**358.75**	**293.92**	**64.8 (18.1%)**

[1] *Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.*

D. EXCEPTIONAL CONDITIONS

This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

This Section Does Not Apply

G. ENVELOPE GENERAL INFORMATION

1	2	3	4
Opaque Surfaces & Orientation	**Total Gross Surface Area (ft²)**	**Total Fenestration Area (ft²)**	**Window to Wall Ratio (%)**
North-Facing[1]	2,039 ft²	606 ft²	29.7%
East-Facing[2]	2,312 ft²	135 ft²	05.8%
South-Facing[3]	2,776 ft²	432 ft²	15.6%
West-Facing[4]	2,305 ft²	158 ft²	06.9%
Total	**9,431 ft²**	**1,330 ft²**	**14.1%**
Roof	4,803 ft²	0 ft²	00.0%

Notes:
[1] *North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).*
[2] *East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).*
[3] *South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).*
[4] *West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).*

H. FENESTRATION ASSEMBLY SUMMARY §110.6

1. Fenestration Assembly Name / Tag or I.D.	2. Fenestration Type / Product Type / Frame Type	3. Certification Method[1]	4. Assembly Method	5. Area ft²	6. Overall U-factor	7. Overall SHGC	8. Overall VT	9. Status[2]
Delano External Glazing	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	754	0.43	0.27	0.64	N
Delano Clerestory Glazing	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	552	0.38	0.27	0.64	N

H. FENESTRATION ASSEMBLY SUMMARY §110.6

1. Fenestration Assembly Name / Tag or I.D.	2. Fenestration Type / Product Type / Frame Type	3. Certification Method[1]	4. Assembly Method	5. Area ft²	6. Overall U-factor	7. Overall SHGC	8. Overall VT	9. Status[2]
Delano Clerestory Glazing_Clerestory	VerticalFenestration FixedWindow N/A			NaN	0.38	0.27	0.00	N
Delano Spandrel_Clerestory	VerticalFenestration FixedWindow N/A			NaN	0.38	0.00	0.00	N

[1] *Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A – Altered, E – Existing*

I. ENVELOPE DETAILS §120.7 & §140.3

I1. OPAQUE SURFACE ASSEMBLY SUMMARY

1 Surface Name	2 Surface Type	3 Description of Assembly Layers	4 Area (ft²)	5 Framing Type	6 Cavity R-Value	7 Continuous R-Value	8 U-Factor / F-Factor / C-Factor	9 Status[1]
Interior Wall	InteriorWall	Gypsum Board - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Gypsum Board - 1/2 in.	11590	NA	0	NA	U-Factor: 0.314	N
Slab On Grade12	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	10223	NA	0	NA	F-Factor: 0.730	N
Delano Wall 114	ExteriorWall	Clay - Solid Grout - 130 lb/ft3 - 8 in. Vapor seal - 2 layers of mopped 15 lb felt - 1/4 in. Compliance Insulation R13.00 Mortar - Cement - 1 3/4 in. Clay tile - hollow - 3 cells deep - 12 in.	9431	NA	0	13	U-Factor: 0.054	N
Delano Roof23	Roof	Single Ply Roofing - 1/4 in. Gypsum Board - 1/2 in. Compliance Insulation R30.00 Metal Standing Seam - 1/16 in.	10532	NA	0	30	U-Factor: 0.032	N
Ceiling Plenum	Ceiling	Plywood - 1/2 in.	3402	NA	0	NA	U-Factor: 0.463	N

I. ENVELOPE DETAILS §120.7 & §140.3

I1. OPAQUE SURFACE ASSEMBLY SUMMARY

1 Surface Name	2 Surface Type	3 Description of Assembly Layers	4 Area (ft²)	5 Framing Type	6 Cavity R-Value	7 Continuous R-Value	8 U-Factor / F-Factor / C-Factor	9 Status[1]
Interior Floor228	InteriorFloor	Air - Floor - 3 1/2 in. Wood framed floor, 16in. OC, S.Sin., R-19 Plywood - 1/2 in. Carpet - 3/4 in.	5386	Wood	19	NA	U-Factor: 0.046	N

[1] *Status: N - New, A – Altered, E – Existing*

I2. OVERHANG DETAILS

This Section Does Not Apply

I3. OPAQUE DOOR SUMMARY

1 Assembly Name	2 Overall U-factor	3 Status[1]
Metal Door89	0.700	N

J. CRRC ROOFING PRODUCT SUMMARY §140.3

This Section Does Not Apply

K. HVAC SYSTEM SUMMARY §110.1 & §110.2

K1. Dry System Equipment (furnaces, air handling units, heat pumps, VRF, etc.)

Dry System Equipment [1] (Fan & Economizer info included below in Table N)

1 Equipment Name	2 Equipment Type	3 Qty	4 Heating: Total Heating Output (kBtu/h)	5 Heating: Supp Heat Source (Y/N)	6 Heating: Supp Heat Output (kBtuh)	7 Heating: Efficiency	8 Cooling: Total Cooling Output (kBtu/h)	9 Cooling: Efficiency	10 Status[1]
DOAS	DOASCV (Packaged3Phase)	1	0	No	0	NA	0	NA	N
AHU 1	PVAV (Packaged3Phase)	1	150	No	0	AFUE-81.0	181	EER-12.1	N
2-HP 1-VRF	VRF (VRF)	1	7	No	0	NA	6	NA	N
3-HP 2-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
4-HP 3-VRF	VRF (VRF)	1	6	No	0	NA	20	NA	N
5-HP 4-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
6-HP 5-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
7-HP 6-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
8-HP 7-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
9-HP 8-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
10-HP 9-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
11-HP 10-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
12-HP 11-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
13-HP 12-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
14-HP 13-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
15-HP 14-VRF	VRF (VRF)	1	6	No	0	NA	5	NA	N
16-HP 15-VRF	VRF (VRF)	1	14	No	0	NA	12	NA	N
17-HP 16-VRF	VRF (VRF)	1	14	No	0	NA	12	NA	N
EF-1	Exhaust (NA)	1	0	No	0	NA	0	NA	N
EF-2	Exhaust (NA)	1	0	No	0	NA	0	NA	N
EF-4	Exhaust (NA)	2	0	No	0	NA	0	NA	N
VRF	VRF	1	800	NA	NA	COP-4.30	150	EER-14.80	N

[1] *Status: N - New, A – Altered, E – Existing*

K2. ECONOMIZER & FAN SYSTEMS SUMMARY §140.4[1]

1 Name or Item Tag	2 System Type: packaged, DOAS, etc.	3 Design OA: CFM	4 Supply Fan: CFM	5 Supply Fan: BHP	6 Supply Fan: Watts	7 Supply Fan: Control	8 Return Fan: CFM	9 Return Fan: BHP	10 Return Fan: Watts	11 Return Fan: Control	12 Economizer Type (if present)	13 Status[2]
DOAS	DOASCV	1248	1248	1.300	1120.6	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
AHU 1	PVAV	1178	6170	4.750	4094.3	VariableSpeedDrive	6170	2.140	1.43	ConstantVolume	FixedDryBulb	N
2-HP 1-VRF	VRF	0	280	0.016	12.7	TwoSpeed	NA	NA	NA	NA	NA	N
3-HP 2-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
4-HP 3-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
5-HP 4-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
6-HP 5-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
7-HP 6-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
8-HP 7-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
9-HP 8-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
10-HP 9-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
11-HP 10-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
12-HP 11-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
13-HP 12-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
14-HP 13-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
15-HP 14-VRF	VRF	0	280	0.016	14.0	TwoSpeed	NA	NA	NA	NA	NA	N
16-HP 15-VRF	VRF	0	335	0.016	14.0	ConstantVolume	NA	NA	NA	NA	NA	N
17-HP 16-VRF	VRF	0	335	0.016	14.0	ConstantVolume	NA	NA	NA	NA	NA	N

[1] *Status: N - New, A – Altered, E – Existing*

K3. EXHAUST FAN SUMMARY

This Section Does Not Apply

K4. Wet System Equipment (boilers, chillers, cooling towers, etc.

This Section Does Not Apply

K5. SYSTEM FEATURES §120.2

1 System Name	2 Optimum Start	3 Window Interlocks per §140.4(n)	4 Evaporative Cooling	5 Heat Recovery	6 Other Controls
DOAS	Optimum Start	NA	No Evaporative Cooler	Plate, 0.0 WYes	No DCV Controls, DDC Controls No Economizer No Supply Air Temp. Control
AHU 1	Optimum Start	NA	No Evaporative Cooler	No Heat RecoveryYes	1 Zones With CO2Sensor Vent. Control, DDC Controls Fixed DrybulB Economizer Supply Air Temp. Fixed at 65
VRF	NA		NA	Yes	LoadPriority
Plant1 - SHW	NA	NA	NA	NA	Fixed Temperature Control, No DDC

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

K6. MECHANICAL VENTILATION AND REHEAT §120.1

1 Zone Name	2 Mechanical Ventilation: Ventilation Function	3 # hotel rooms	4 # of people	5 # of bedrooms	6 Supply OA CFM	7 Exhaust CFM	8 Conditioned Area (sf)	9 DCV or Occupant Sensor Controls, or Both
1-HP 1	Exhaust - Storage rooms, chemical	0	0.20	0	50	400	195	NA
2-HP 2	Office - Office space	0	1.00	0	50	0	200	Occupant Sensor
3-HP 3	Misc - All others	0	0.12	0	50	0	116	NA
4-HP 4	General - Break rooms	0	3.15	0	50	0	95	NA
5-HP 5	General - Break rooms	0	3.13	0	50	0	94	NA
6-HP 6	Misc - All others	0	0.25	0	50	0	169	NA
7-HP 7	Office - Occupiable storage rooms for dry materials	0	0.16	0	50	0	163	NA
8-HP 8	Exhaust - Toilets, public	0	1.14	0	50	200	229	NA

K6. MECHANICAL VENTILATION AND REHEAT §120.1

1 Zone Name	2 Mechanical Ventilation: Ventilation Function	3 # hotel rooms	4 # of people	5 # of bedrooms	6 Supply OA CFM	7 Exhaust CFM	8 Conditioned Area (sf)	9 DCV or Occupant Sensor Controls, or Both
9-HP 9	Exhaust - Toilets, public	0	1.14	0	50	200	229	NA
10-HP 10	Office - Occupiable storage rooms for dry materials	0	0.28	0	50	0	281	NA
11-HP 11	Office - Office space	0	0.58	0	50	0	116	Occupant Sensor
12-HP 12	Exhaust - Locker rooms for athletic or industrial facilities	0	0.90	0	50	300	90	NA
13-HP 13	General - Corridors	0	3.44	0	103	0	687	Occupant Sensor
14-HP 14	General - Unoccupied	0	0.43	0	50	0	289	NA
15-HP 15	Office - Breakrooms	0	18.00	0	270	0	540	NA
16-HP 16	Office - Office space	0	1.80	0	225	0	360	NA
17-VAV 1	Exhaust - Toilets, public	0	2.00	0	0	0	400	NA
18-VAV 2	Exhaust - Toilets, public	0	1.36	0	0	0	273	NA
19-VAV 3 4 6	Misc - Transportation waiting	0	58.71	0	881	0	3523	DCV
20-VAV 5 7	Office - Office space	0	9.92	0	298	0	1984	NA

K7. DISTRIBUTION SUMMARY §120.4/140.4(l)

1 Equipment Name	2 Dry System Distribution: Duct Leakage Verification Y/N	3 Ducts: Insulation R-Value	4 Ducts: Location	5 Status[1]
DOAS	No	8	Unconditioned	N
AHU 1	No	0	Conditioned	N

[1] *Status: N - New, E – Existing*

Multifamily or Hotel/Motel Occupancy? (if "Yes", see DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY)	No
Does the Project include Zonal Systems?	Yes

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY

12/07/21
20-1059

Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
STEVEN E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

AECOM
CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

TITLE 24 SHEETS

SHEET NO.

M0.00

ISSUE DATE: JULY , 2023 v3

K8. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY § 140.4

1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			
			Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	ECM Motor
2-HP 1-VRF	1-HP 1	VRF	7.00	6.00	280	230	0.821429	0.016	12.7	☒	☐
3-HP 2-VRF	2-HP 2	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
4-HP 3-VRF	3-HP 3	VRF	6.00	20.00	280	230	0.821429	0.016	14.0	☒	☐
5-HP 4-VRF	4-HP 4	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
6-HP 5-VRF	5-HP 5	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
7-HP 6-VRF	6-HP 6	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
8-HP 7-VRF	7-HP 7	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
9-HP 8-VRF	8-HP 8	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
10-HP 9-VRF	9-HP 9	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
11-HP 10-VRF	10-HP 10	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
12-HP 11-VRF	11-HP 11	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
13-HP 12-VRF	12-HP 12	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
14-HP 13-VRF	13-HP 13	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
15-HP 14-VRF	14-HP 14	VRF	6.00	5.00	280	230	0.821429	0.016	14.0	☒	☐
16-HP 15-VRF	15-HP 15	VRF	14.00	12.00	335	NA	NA	0.016	14.0	☒	☐
17-HP 16-VRF	16-HP 16	VRF	14.00	12.00	335	NA	NA	0.016	14.0	☒	☐
16-HP 16-Trm	16-HP 16	Uncontrolled	NA	NA	225	NA	0.00	NA	NA	NA	☐
15-HP 15-Trm	15-HP 15	Uncontrolled	NA	NA	270	NA	0.00	NA	NA	NA	☐
14-HP 14-Trm	14-HP 14	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
13-HP 13-Trm	13-HP 13	Uncontrolled	NA	NA	103	NA	0.00	NA	NA	NA	☐
12-HP 12-Trm	12-HP 12	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
11-HP 11-Trm	11-HP 11	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
10-HP 10-Trm	10-HP 10	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐

K8. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY § 140.4

1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			
			Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	ECM Motor
9-HP 9-Trm	9-HP 9	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
8-HP 8-Trm	8-HP 8	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
7-HP 7-Trm	7-HP 7	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
6-HP 6-Trm	6-HP 6	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
5-HP 5-Trm	5-HP 5	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
4-HP 4-Trm	4-HP 4	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
3-HP 3-Trm	3-HP 3	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
2-HP 2-Trm	2-HP 2	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
1-HP 1-Trm	1-HP 1	Uncontrolled	NA	NA	50	NA	0.00	NA	NA	NA	☐
20-VAV 5 7-Trm	20-VAV 5 7	VAVNoReheatBox	NA	NA	600	298	0.50	NA	NA	NA	☐
19-VAV 3 4 6-Trm	19-VAV 3 4 6	VAVNoReheatBox	NA	NA	3600	1080	0.30	NA	NA	NA	☐
18-VAV 2-Trm	18-VAV 2	VAVNoReheatBox	NA	NA	250	75	0.30	NA	NA	NA	☐
17-VAV 1-Trm	17-VAV 1	VAVNoReheatBox	NA	NA	500	150	0.30	NA	NA	NA	☐

K9. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

L. DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY

L1. DHW EQUIPMENT SUMMARY

1	2	3	4	5	6	7	8	9	10	11
DHW Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input (kBtu/h)	Efficiency	Tank Insulation R-value (Int/Ext)	Standby Loss Fraction	Heat Pump Type	Tank Location or Ambient Condition
Instantaneous Electric2	Electricity	Instantaneous	1	1.00	7.2 (kW)	UEF: 0.98	NA	SBLF: NA	NA	NA

L2. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

L3. SOLAR HOT WATER HEATING SUMMARY

This Section Does Not Apply

M. COVERED PROCESS SUMMARY §140.9

This Section Does Not Apply

N. INDOOR LIGHTING SUMMARY §140.6

N1. INDOOR CONDITIONED LIGHTING GENERAL INFO § 140.6[1]

1	2	3	4	5		Confirmed	
Occupancy Type [1]	Conditioned Floor Area [2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance		Pass	Fail
				Area Category Footnotes (Watts)	Tailored Method (Watts)		
Commercial/Industrial Storage (Warehouse)	755	354	0	0	0	☐	☐
Office Area (<250 square feet)	316	168	0	0	0	☐	☐
Lounge, Breakroom, or Waiting Area	729	273	0	0	0	☐	☐
Electrical, Mechanical, Telephone Rooms	458	186	0	0	0	☐	☐

N1. INDOOR CONDITIONED LIGHTING GENERAL INFO § 140.6[1]

1	2	3	4	5		Confirmed	
Occupancy Type [1]	Conditioned Floor Area [2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance		Pass	Fail
				Area Category Footnotes (Watts)	Tailored Method (Watts)		
Restrooms	1,131	356	0	0	0	☐	☐
Locker Room	90	52	0	0	0	☐	☐
Corridor Area	687	294	0	0	0	☐	☐
Office Area (Open plan office)	2,344	1,544	0	0	0	☐	☐
Transportation Function (Ticketing Area)	3,523	1,432	0	0	0	☐	☐
Building Totals:	**10,033**	**4,659**	**0**	**0**	**0**		

[1] See Table 140.6-C
[2] See NRCC-LTI-01-E for unconditioned spaces
[3] Lighting information for existing spaces modeled is not included in the table

N2. INDOOR CONDITIONED LIGHTING SCHEDULE § 130.0[1]

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices)		Installed Watts (Conditioned)					Confirmed	
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined		Total Number Luminaires	Installed Watts	Pass	Fail
			CEC Default from NA8	According to §130.0(c)				
DL-1	Delano DL-1	10	No	Yes	38	380	☐	☐
DL-3	Delano DL-3	10	No	Yes	6	60	☐	☐
RS-1A	Delano RS-1A	42	No	Yes	19	798	☐	☐
RS-1B	Delano RS-1B	21	No	Yes	27	567	☐	☐
SL-1A	Delano SL-1A	66	No	Yes	15	990	☐	☐
SL-1B	Delano SL-1B	47	No	Yes	2	94	☐	☐
SL-1C	Delano SL-1C	93	No	Yes	10	930	☐	☐

N2. INDOOR CONDITIONED LIGHTING SCHEDULE § 130.0[1]

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices)		Installed Watts (Conditioned)					Confirmed	
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined		Total Number Luminaires	Installed Watts	Pass	Fail
			CEC Default from NA8	According to §130.0(c)				
SL-2	Delano SL-2	34	No	Yes	6	204	☐	☐
SL-3	Delano SL-3	52	No	Yes	10	520	☐	☐
WM-1	Delano WM-1	29	No	Yes	4	116	☐	☐

[1] If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

N3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)				Control Credit Calculation			√ If Acceptance Test Required	Confirmed	
Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts		Pass	Fail
S-1-HP 1	Commercial/Industrial Storage (Warehouse)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-2-HP 2	Office Area (<250 square feet)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-3-HP 3	Commercial/Industrial Storage (Warehouse)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-4-HP 4	Lounge, Breakroom, or Waiting Area	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-5-HP 5	Lounge, Breakroom, or Waiting Area	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-6-HP 6	Electrical, Mechanical, Telephone Rooms	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐

N3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)				Control Credit Calculation			√ If Acceptance Test Required	Confirmed	
Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts		Pass	Fail
S-7-HP 7	Commercial/Industrial Storage (Warehouse)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-8-HP 8	Restrooms	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-9-HP 9	Restrooms	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-10-HP 10	Commercial/Industrial Storage (Warehouse)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-11-HP 11	Office Area (<250 square feet)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-12-HP 12	Locker Room	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-13-HP 13	Corridor Area	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-14-HP 14	Electrical, Mechanical, Telephone Rooms	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-15-HP 15	Lounge, Breakroom, or Waiting Area	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-16-HP 16	Office Area (Open plan office)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐

N3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)				Control Credit Calculation			√ If Acceptance Test Required	Confirmed	
Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts		Pass	Fail
S-17-VAV 1	Restrooms	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-18-VAV 2	Restrooms	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-19-VAV 3 4 6	Transportation Function (Ticketing Area)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐
S-20-VAV 5 7	Office Area (Open plan office)	- none specified -- none specified -- none specified -- none specified -	0		0.000.000.000.000.00	0		☐	☐

N4: INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS § 130.1

This Section Does Not Apply

§130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive

N5. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST § 140.6

General lighting power (see Table D)	0
General lighting power from special function areas (see Table E)	NA
Additional "use it or lose it" (See Table G)	0
Total watts	0

N6. GENERAL LIGHTING POWER § 140.6-D

This Section Does Not Apply

N7. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS § 140.6(c) 3H

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed	
							Pass	Fail
NA	NA	NA	NA	NA	NA	NA	☐	☐

Note: Tailored Method for Special Function Areas is not currently implemented

N8. ROOM CAVITY RATIO

Rectangular Spaces							
Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed	
						Pass	Fail
NA	NA	NA	NA	NA	NA	☐	☐

Non-Rectangular Spaces

This Section Does Not Apply

Note: All applicable spaces are listed under the Non-Rectangular Spaces table

N9. ADDITIONAL "USE IT OR LOSE IT"

1.	2.	3.	4.	Allowed Watts	Confirmed	
Wall Display	Combined Floor Display and Task Lighting	Combined Ornamental and Special Effects Lighting	Very Valuable Merchandise		Pass	Fail
0	0	0	0	**0**	☐	☐

N10. Wall Display

This Section Does Not Apply

N11. Floor Display and Task Lighting

This Section Does Not Apply

N12. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

N13. Very Valuable Merchandise

This Section Does Not Apply

N14. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS § 130.4

Declaration of Required Acceptance Certificates (NRCA) –Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		Indoor			Outdoor	Confirmed	
		NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A	Pass	Fail
Equipment Requiring Testing or Verification	# of units	Occ Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls		
Occupant Sensors	0	☒	☐	☐	☐	☐	☐
Automatic Time Switch	0	☒	☐	☐	☐	☐	☐
Automatic Daylighting	0	☐	☐	☐	☐	☐	☐
Demand Responsive	1	☐	☐	☒	☐	☐	☐
Outdoor Controls	0	☐	☐	☐	☒	☐	☐

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY

12/07/21
20-1059

Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
DARNE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

AECOM
CONSULTANT

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Sacramento, CA 95811
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P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

TITLE 24 SHEETS

SHEET NO.

M0.01

ISSUE DATE: JULY , 2020 V3

ONE INCH = TWENTY FEET
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT

Project Name:	DMV Delano	NRCC-PRF-01-E	Page 19 of 24
Project Address:	Dover Parkway, Delano, CA 93215 Delano 93215	Calculation Date/Time:	10:53, Fri, Jan 24, 2020
Input File Name:	Delano T24_LT_v6.cibd19		

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Building Component	YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
Envelope	☒	☐	NRCI-ENV-01-E - Must be submitted for all buildings	☐	☐
Mechanical	☒	☐	NRCI-MCH-01-E - Must be submitted for all buildings	☐	☐
Plumbing	☒	☐	NRCI-PLB-01-E - Must be submitted for all buildings	☐	☐
	☐	☒	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance	☐	☐
	☒	☒	NRCI-PLB-01-E - Must be submitted for all buildings	☐	☐
	☐	☒	NRCI-PLB-21-E - Must be HERS verified for central systems in high-rise residential hotel/ motel application	☐	☐
	☐	☒	NRCI-PLB-22-E - Must be HERS verified for single dwelling unit systems in high-rise residential, hotel/motel application	☐	☐
Indoor Lighting	☒	☐	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
	☒	☐	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS) to be recognized for compliance	☐	☐
	☐	☒	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance	☐	☐
	☐	☒	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance	☐	☐
	☐	☒	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance	☐	☐
	☐	☒	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance	☐	☐
Outdoor Lighting	☒	☐	NRCI-LTO-01-E - Must be submitted for all buildings	☐	☐
	☒	☐	NRCI-LTO-02-E - Must be submitted for EMCS Lighting Control system	☐	☐
Sign Lighting	☒	☐	NRCI-LTS-01-E - Must be submitted for all buildings	☐	☐
Electrical	☒	☐	NRCI-ELC-01-E - Must be submitted for all buildings	☐	☐
Photovoltaic	☒	☐	NRCI-SPV-01-E - Must be submitted for all buildings	☐	☐

Project Name:	DMV Delano	NRCC-PRF-01-E	Page 20 of 24
Project Address:	Dover Parkway, Delano, CA 93215 Delano 93215	Calculation Date/Time:	10:53, Fri, Jan 24, 2020
Input File Name:	Delano T24_LT_v6.cibd19		

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Building Component	YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
Covered Process	☐	☒	NRCI-PRC-01-E - Must be submitted for all Refrigerated Warehouses	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component	YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
Envelope	☒	☐	NRCA-ENV-02-F - NRFC label verification for fenestration	☐	☐
	☐	☐	NRCA-ENV-03-F - Daylighting Design PAFs	☐	☐

Project Name:	DMV Delano	NRCC-PRF-01-E	Page 21 of 24
Project Address:	Dover Parkway, Delano, CA 93215 Delano 93215	Calculation Date/Time:	10:53, Fri, Jan 24, 2020
Input File Name:	Delano T24_LT_v6.cibd19		

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component	YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
Mechanical	☒	☐	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap	☐	☐
	☐	☐	NRCA-MCH-03-A Constant Volume Single Zone HVAC	☐	☐
	☐	☐	NRCA-MCH-04(a)-A Air Distribution Duct Leakage - HERS Verification required	☐	☐
	☒	☐	NRCA-MCH-04(b)-A Air Distribution Duct Leakage - ATT only	☐	☐
	☒	☐	NRCA-MCH-05-A Air Economizer Controls	☐	☐
	☒	☐	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints	☐	☐
	☒	☐	NRCA-MCH-07-A Supply Fan Variable Flow Controls	☐	☐
	☒	☐	NRCA-MCH-08-A Valve Leakage Test	☐	☐
	☐	☐	NRCA-MCH-09-A Supply Water Temperature Reset Controls	☐	☐
	☐	☐	NRCA-MCH-10-A Hydronic System Variable Flow Controls	☐	☐
	☐	☐	NRCA-MCH-11-A Automatic Demand Shed Controls	☐	☐
	☒	☐	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units	☐	☐
	☒	☐	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance	☐	☐
	☐	☐	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance	☐	☐
	☐	☐	NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance	☐	☐
	☒	☐	NRCA-MCH-16-A Supply Air Temperature Reset Controls	☐	☐
	☐	☐	NRCA-MCH-17-A Condenser Water Temperature Reset Controls	☐	☐
	☒	☐	NRCA-MCH-18 Energy Management Control Systems	☐	☐
	☒	☐	NRCA-MCH-19 Occupancy Sensor Controls	☐	☐

Project Name:	DMV Delano	NRCC-PRF-01-E	Page 22 of 24
Project Address:	Dover Parkway, Delano, CA 93215 Delano 93215	Calculation Date/Time:	10:53, Fri, Jan 24, 2020
Input File Name:	Delano T24_LT_v6.cibd19		

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component	YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
Indoor Lighting	☒	☐	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls	☐	☐
	☒	☐	NRCA-LTI-03-A - Automatic Daylight Controls	☐	☐
	☒	☐	NRCA-LTI-04-A - Demand Responsive Lighting Controls	☐	☐
	☐	☒	NRCA-LTI-05-A - Institutional Tuning Power Adjustment Factor (PAF)	☐	☐
Outdoor Lighting	☒	☐	NRCI-LTO-01-E - Must be submitted for all buildings	☐	☐
Sign Lighting	☒	☐	NRCA-LTO-02-A - Outdoor Lighting Controls	☐	☐
Covered Process	☐	☒	NRCA-PRC-01-F - Compressed Air Systems	☐	☐
	☐	☒	NRCA-PRC-02-F - Kitchen Exhaust	☐	☐
	☐	☒	NRCA-PRC-03-F - Garage Exhaust	☐	☐
	☐	☒	NRCA-PRC-04-F - Refrigerated Warehouse - Evaporator Fan Motor Controls	☐	☐
	☐	☒	NRCA-PRC-05-F - Refrigerated Warehouse - Evaporative Condenser Controls	☐	☐
	☐	☒	NRCA-PRC-06-F - Refrigerated Warehouse - Air Cooled Condenser Controls	☐	☐
	☐	☒	NRCA-PRC-07-F - Refrigerated Warehouse - Variable Speed Compressor	☐	☐
	☐	☒	NRCA-PRC-08-F - Electrical Resistance Underslab Heating System	☐	☐
	☐	☒	NRCA-PRC-15-F - Fume Hood Automatic Sash Closures System	☐	☐
	☐	☒	NRCA-PRC-16-A - Adiabatic Condensers	☐	☐

Project Name:	DMV Delano	NRCC-PRF-01-E	Page 23 of 24
Project Address:	Dover Parkway, Delano, CA 93215 Delano 93215	Calculation Date/Time:	10:53, Fri, Jan 24, 2020
Input File Name:	Delano T24_LT_v6.cibd19		

Q. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/

Building Component	YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
Mechanical	☐	☒	NRCV-MCH-04-H Duct Leakage Test	☐	☐
	☐	☒	NRCV-MCH-24-H Enclosure Air Leakage	☐	☐
	☐	☒	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation	☐	☐
	☐	☒	NRCV-MCH-32-H Local Mechanical Exhaust	☐	☐
Plumbing	☐	☒	NRCV-PLB-21-H - HERS verified central systems in high-rise residential, hotel/motel application	☐	☐
	☐	☒	NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application	☐	☐

R. UNMET LOAD HOURS

Thermal Zone Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unmet Load Hours	Heating Unmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
19-VAV 3 4 6	150	509.75	150	800.5
20-VAV 5 7	150	2073.5	150	129.25

Project Name:	DMV Delano	NRCC-PRF-01-E	Page 24 of 24
Project Address:	Dover Parkway, Delano, CA 93215 Delano 93215	Calculation Date/Time:	10:53, Fri, Jan 24, 2020
Input File Name:	Delano T24_LT_v6.cibd19		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT § 10-103

Documentation Author Name: Victoria Watson	Signature: VWatson
Company: AECOM	
Address: 999 Town and Country Road	Signature Date: 2020-01-24
City/State/Zip: Orange, CA, 92686	CEA/ HERS Certification Identification (if applicable):
Phone: 714 567 2425	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Envelope Designer Name:	Signature:	
Company:		
Address:	Date Signed:	
City/State/Zip:	Declaration Statement Type:	
Phone:	Title:	License #:
Responsible Lighting Designer Name: Shea Culbertson	Signature:	
Company: AECOM		
Address: 999 Town and Country Road	Date Signed: 2020-04-02	
City/State/Zip: Orange, CA 92868	Declaration Statement Type: 1,2,3,4,5	
Phone: +1-714-689-7228	Title: Electrical Engineer	License #: E22311
Responsible Mechanical Designer Name: Shane Russell	Signature:	
Company: AECOM		
Address: 2020 L Street, Suite 300	Date Signed: 24 January 2020	
City/State/Zip: Sacramento, CA, 95811	Declaration Statement Type: 1, 2, 3, 4, 5	
Phone: +1-916-679-2203	Title: Sr. Mechanical Engineer	License #: M33415

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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12/07/21
20-1059
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
SHANE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
TITLE 24 SHEETS
SHEET NO.
M0.02

ISSUE DATE: JULY , 2020
V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

0113

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 6 2
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1
ONE-HALF INCH = ONE FOOT 0 4

GENERAL NOTES

1. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT ADDED COST.
2. THIS CONTRACTOR SHALL PERFORM ALL CONTROLLED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL CODES. SECURE ALL REQUIRED PERMITS AND APPROVALS AND TRANSMIT SAME TO OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES.
3. ALL DUCTWORK AND PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW FOR THIS IN COSTS OF ROUTING DUCTWORK AND PIPING TO AVOID OBSTRUCTIONS. THE EXACT LOCATION OF ALL DUCTWORK AND PIPING IS SUBJECT TO APPROVAL OF ENGINEER.
4. SUPPORT ALL DUCTWORK AND PIPING FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL STEEL FRAMING.
5. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
6. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR. ALL DEMOLITION MATERIALS MUST BE REMOVED FROM THE BUILDING DAILY.
7. CONTRACTOR SHALL SEAL OPENINGS AROUND DUCTS AND PIPING, THROUGH PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH MINERAL WOOL OR OTHER NON-COMBUSTIBLE MATERIAL. SEE SPECIFICATIONS.
8. INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITIONS.
9. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED.
10. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC, WHICH AFFECT THIS WORK AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION.
11. PROVIDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR A COMPLETE AND SAFE INSTALLATION OF HVAC IN FULL CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION; ALL AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED FOR THE SYSTEMS INCLUDED. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. INCLUDE ALL COSTS FOR PERMITS, LICENSES, CERTIFICATES, FILING AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
12. SUBCONTRACTOR SHALL INCLUDE IN THEIR DESIGN DRAWINGS AND COORDINATE WITH OTHER CONTRACTORS A CLEAR UNOBSTRUCTED "NO FLY ZONE" AROUND MECHNICAL EQUIPMENT SUCH THAT FUTURE ACCESS FOR MAINTENANCE AND REPLACEMENTIS NOT ENCUMBERED.
13. LOCATIONS OF ABOVE CEILING MOUNTED EQUIPMENT MUST TAKE INTO CONSIDERATION THE FURNITURE PLAN WITH THE OBJECTIVE OF MAINTAINING CLEAR UNOBSTRUCTED ACCESS. PROVIDE EYE HOOK ATTACHMENTS TO THE STRUCTURE TO FACILITATE FUTURE REMOVAL AND REINSTALLATION OF ABOVE CEILING MOUNTED EQUIPMENT.
14. COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.
15. OUTSIDE AIR DELIVERY. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 OF THE CALIFORNIA ENERGY CODE AND CHAPTER 4 OF CCR, TITLE 8 OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT.
16. CARBON DIOXIDE (CO2) MONITORING. FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE, CCR, SECTION 120(C)(4).

DUCTWORK SYMBOLS

SINGLE LINE	DOUBLE LINE	DESCRIPTION
	FC	FLEXIBLE CONNECTION
		VANED ELBOW (PROVIDE ALL SQUARE OR RECTANG-ULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
		VANED ELBOW (SHORT RAD.)
		STANDARD RADIUS ELBOW
10x8	10x8	NEW DUCT (WIDTH x DEPTH)
		EXISTING DUCT TO REMAIN
		EXISTING DUCT TO BE REMOVED
		FLEXIBLE DUCTWORK (INSULATED)
		DUCT WITH SOUND LINING
		DUCTWORK WITH EXTERNAL INSULATION WRAP
VD	VD	MANUAL VOLUME DAMPER
FD		FIRE DAMPER
BDD		BACK DRAFT DAMPER
FSD		COMBINATION FIRE/SMOKE DAMPER
M	M	MOTORIZED DAMPER
SD	SD	SMOKE DETECTOR
AD	AD	AUTOMATIC DAMPER (ELECTRIC)
LD	LD	LEAK DETECTOR
FS	FS	FLOW SWITCH
DP	DP	DIFFERENTIAL PRESSURE GAUGE
UP DN	UP DN	SUPPLY DUCT (UP & DOWN)
UP DN	UP DN	EXHAUST DUCT (UP & DOWN)
		CONNECT NEW DUCT TO EXISTING DUCT
R	R	INCLINED RISE, IN DIRECTION OF AIR FLOW
D	D	INCLINED DROP, IN DIRECTION OF AIR FLOW
		LIMIT OF DEMOLITION
		VERTICAL DUCT DROP
		VERTICAL DUCT RISE

PIPING SYMBOLS

SYMBOLS	DESCRIPTION
	NEW PIPE
	EXISTING PIPE
	EXISTING PIPE TO BE REMOVED
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	PIPE DOWN
	PIPE UP
	TOP CONNECTION
	BOTTOM CONNECTION
	PIPE DROP
	PIPE RISE
	UNION
	FLANGED END
	DEAD END - SCREWED CAP
	DEAD END - WELDED CAP
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	STRAINER
	THERMOMETER WELL
	PRESSURE GAUGE WITH NEEDLE VALVE
	THERMOMETER
	GATE VALVE
	THERMAL EXPANSION VALVE
S	SOLENOID VALVE
	FLOW CONTROL VALVE
	DRAIN VALVE
	GLOBE VALVE
	CHECK VALVE
S	SILENT CHECK VALVE
	BALL VALVE
	CIRCUIT SETTER
	2-WAY CONTROL VALVE
	PLUG VALVE
	2-WAY CONTROL VALVE
M	MOTORIZED VALVE
	THREE-WAY CONTROL VALVE
P	PRESSURE REDUCING VALVE
R	SAFETY OR PRESSURE RELIEF VALVE
	BUTTERFLY VALVE
U	PITCH UP IN DIRECTION OF FLOW
D	PITCH DOWN IN DIRECTION OF FLOW
	CALIBRATED BALANCING VALVES (CIRCUIT SETTERS)

GENERAL SYMBOLS/ ABBREVIATIONS

SYMBOL/ ABBREVIATIONS	DESCRIPTION
1	REVISION NUMBER
	PUMP
M	METER
T	TEMPERATURE SENSOR
T	THERMOSTAT
H	HUMIDITY SENSOR
CO2	CO2 SENSOR
CU	CONDENSATE PUMP
AHU	AIR HANDLING UNIT
VAV	VARIABLE AIR VOLUME
ED	EXHAUST DIFFUSER
RD	RETURN DIFUSSER
SD	SUPPLY DIFFUSER
BC	BRANCH CONTROLER
HP	VRF HEAT PUMP
ERV	ENERGY RECOVERY UNIT
EF	EXHAUST FAN
	VIBRATION ISOLATOR IN HANGER
	DUCT UNDER PRESSURE (SUPPLY AIR OR FAN DISCHARGE)
	DUCT UNDER NEGATIVE PRESSURE (RETURN, EXHAUST OR OUTSIDE AIR)
X / DWG	X = SECTION DESIGNATION; DWG = DRAWING REFERENCE NUMBER

DIFFUSER SYMBOLS

SYMBOL	DESCRIPTION
	DIFFUSER
	RETURN/EXHAUST GRILLE
	VRF CASSETTE
	TRANSFER GRILLE
	SIDEWALL DIFFUSER
TAG / CFM	DIFFUSER TAG

APPLICABLE CODES

UNLESS OTHERWISE INDICATED OR SPECIFIED, PERFORM THE WORK IN CONFORMANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE REGULATORY REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE : 2019
CALIFORNIA BUILDING CODE : 2019
CALIFORNIA ELECTRICAL CODE : 2019
CALIFORNIA MECHANICAL CODE : 2019
CALIFORNIA PLUMBING CODE : 2019
CALIFORNIA ENERGY CODE : 2019
CALIFORNIA HISTORICAL BUILDING CODE: 2019
CALIFORNIA FIRE CODE : 2019
CALIFORNIA GREEN BUILDING STANDARDS : 2019
CALIFORNIA REFERENCED STANDARDS CODE : 2019
NFPA 72, NATIONAL FIRE ALARM CODE, 2019 EDITION

SHEET INDEX

Sheet Number	Sheet Name
M0.00	TITLE 24 SHEETS
M0.01	TITLE 24 SHEETS
M0.02	TITLE 24 SHEETS
M1.00	MECHANICAL GENERAL NOTES
M1.01	MECHANICAL PLAN
M1.02	MECHANICAL ZONING PLAN
M1.03	MECHANICAL CONDENSATE PLAN
M1.04	MECHANICAL PLAN AT 14' ELEVATION
M1.05	MECHANICAL ROOF PLAN
M3.01	MECHANICAL SECTIONS
M3.02	MECHANICAL SECTIONS
M5.01	MECHANICAL DETAILS
M5.02	MECHANICAL DETAILS
M6.01	MECHANICAL SCHEDULES
M7.01	MECHANICAL CONTROLS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
DUANE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

CONSULTANT
AECOM
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

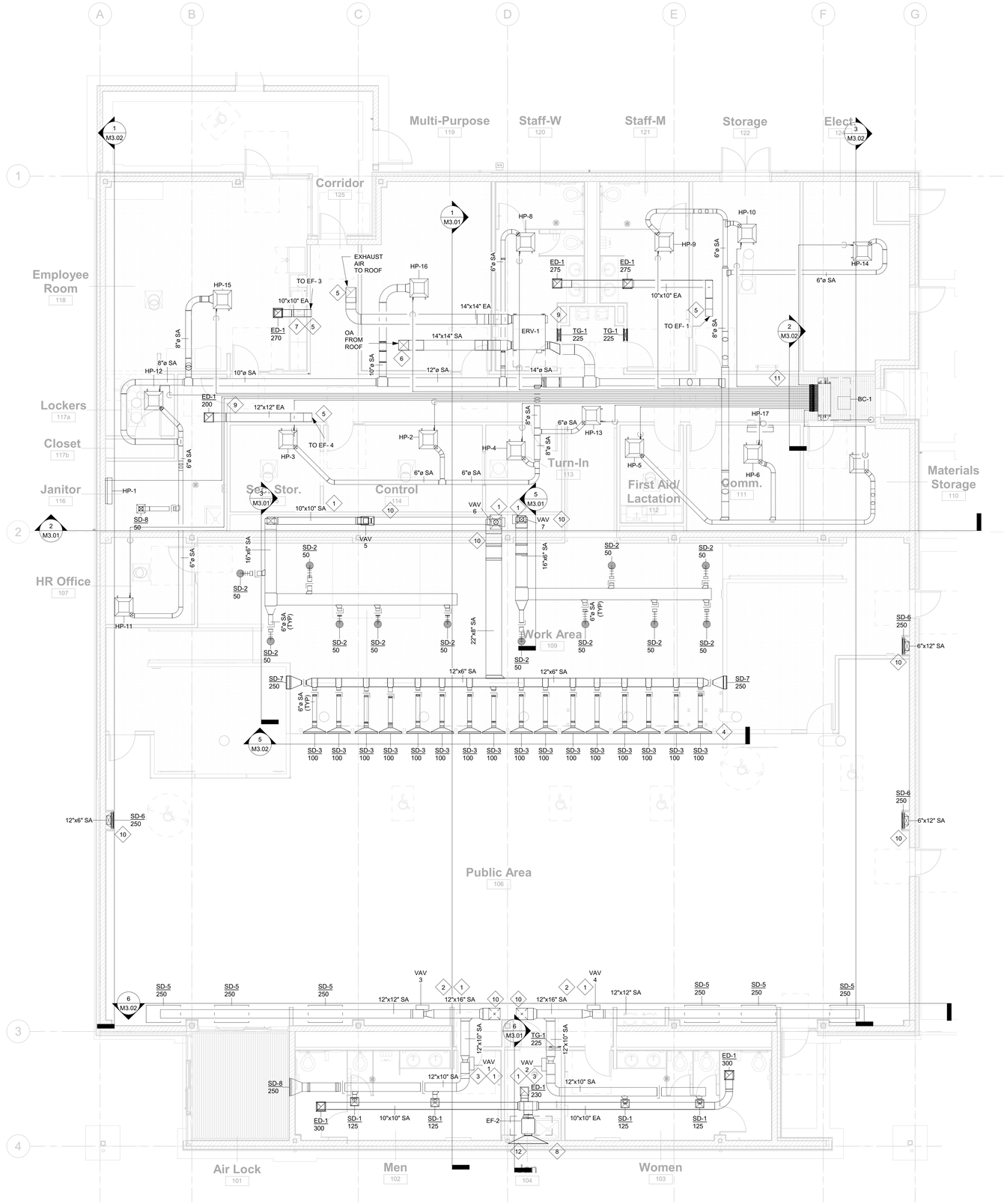
MECHANICAL GENERAL NOTES

SHEET NO.

M1.00

ISSUE DATE: JULY , 2020 V3

0114



1 MECHANICAL PLAN
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. 18" x 18" WALL ACCESS PANEL AT EACH VAV.
2. ACCESS PANEL IN SOFFIT.
3. ACCESS PANEL IN CEILING.
4. COORDINATE DIFFUSERS WITH ARCHITECTURE WALL THICKNESS AND TERRAZO BASE.
5. EXHAUST THRU ROOF.
6. SUPPLY THRU ROOF.
7. WALL SWITCH FOR EXHAUST FAN.
8. EXHAUST THRU LOUVER.
9. PROVIDE A 1'X4' OPENING FOR PLENUM RETURN.
10. SUPPLY AIR FROM AHU-1
11. FOR VRF PIPING SIZE SEE MECHANICAL CONTROLS SHEET M7.01
12. COORDINATE WITH ARCHITECTURAL ON LOCATION/SIZE OF LOUVER

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

A. PROVIDE ACCESS PANELS IN ALL HARD LID CEILINGS FOR SERVICE ACCESS AT INDOOR VRF UNITS AS REQUIRED BY MANUFACTURER

B. COORDINATE SD-2 WITH FURNITURE AND FLOOR ACCESS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
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Dover Parkway, Delano

California Department of General Services

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STATE OF CALIFORNIA
3 APR. 2020

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CONSULTANT

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Sacramento, CA 95811
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ARCHITECT

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NO.	DESCRIPTION	DATE

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SHEET TITLE

MECHANICAL PLAN

SHEET NO.

M1.01

ISSUE DATE: JULY , 2021 V3

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0115

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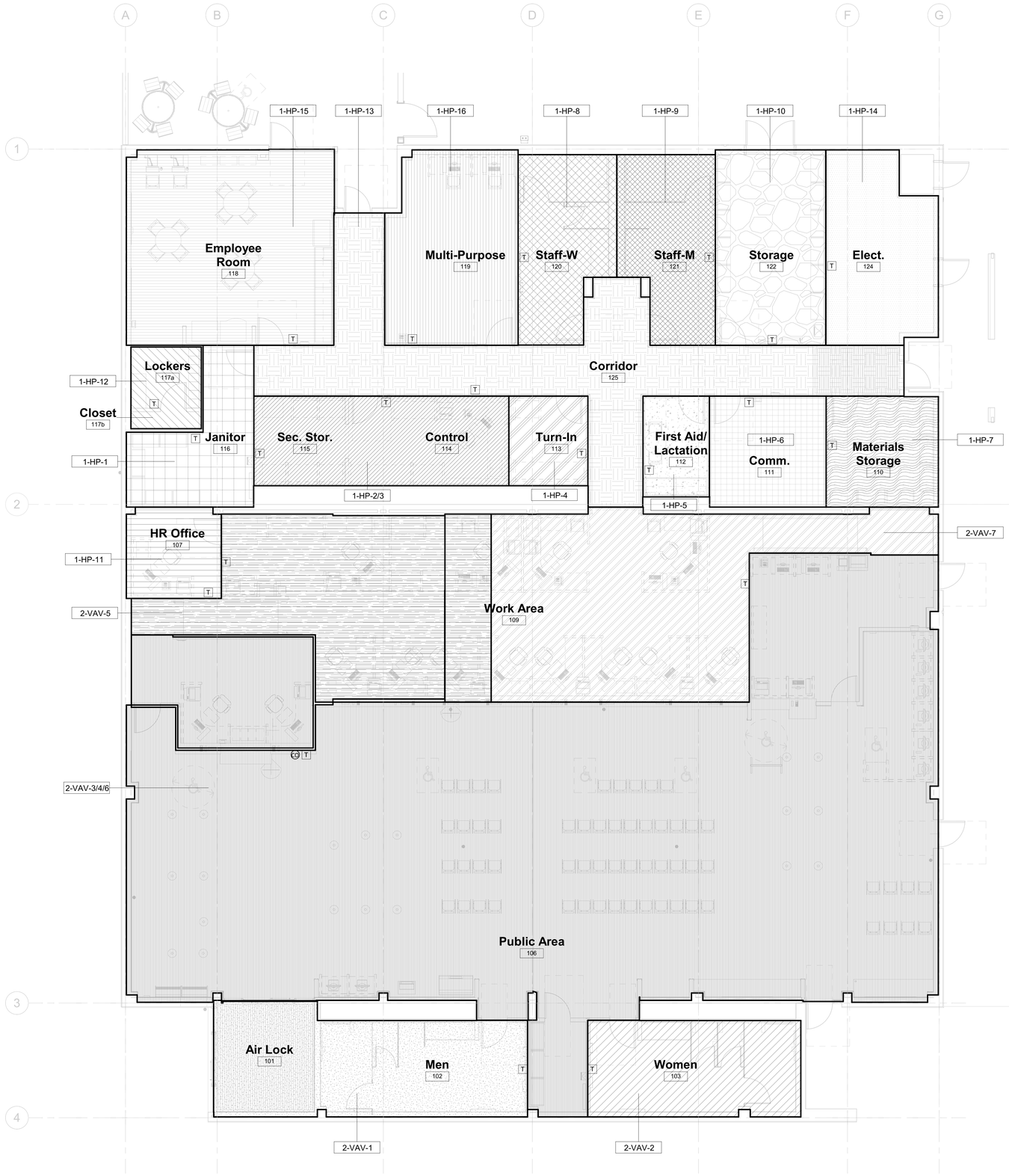
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



HVAC ZONE LEGEND

- 1-HP-1
- 1-HP-2/3
- 1-HP-4
- 1-HP-5
- 1-HP-6
- 1-HP-7
- 1-HP-8
- 1-HP-9
- 1-HP-10
- 1-HP-11
- 1-HP-12
- 1-HP-13
- 1-HP-14
- 1-HP-15
- 1-HP-16
- 2-VAV-1
- 2-VAV-2
- 2-VAV-3/4/6
- 2-VAV-5
- 2-VAV-7

1 ZONING PLAN
3/16" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

DARRYNE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

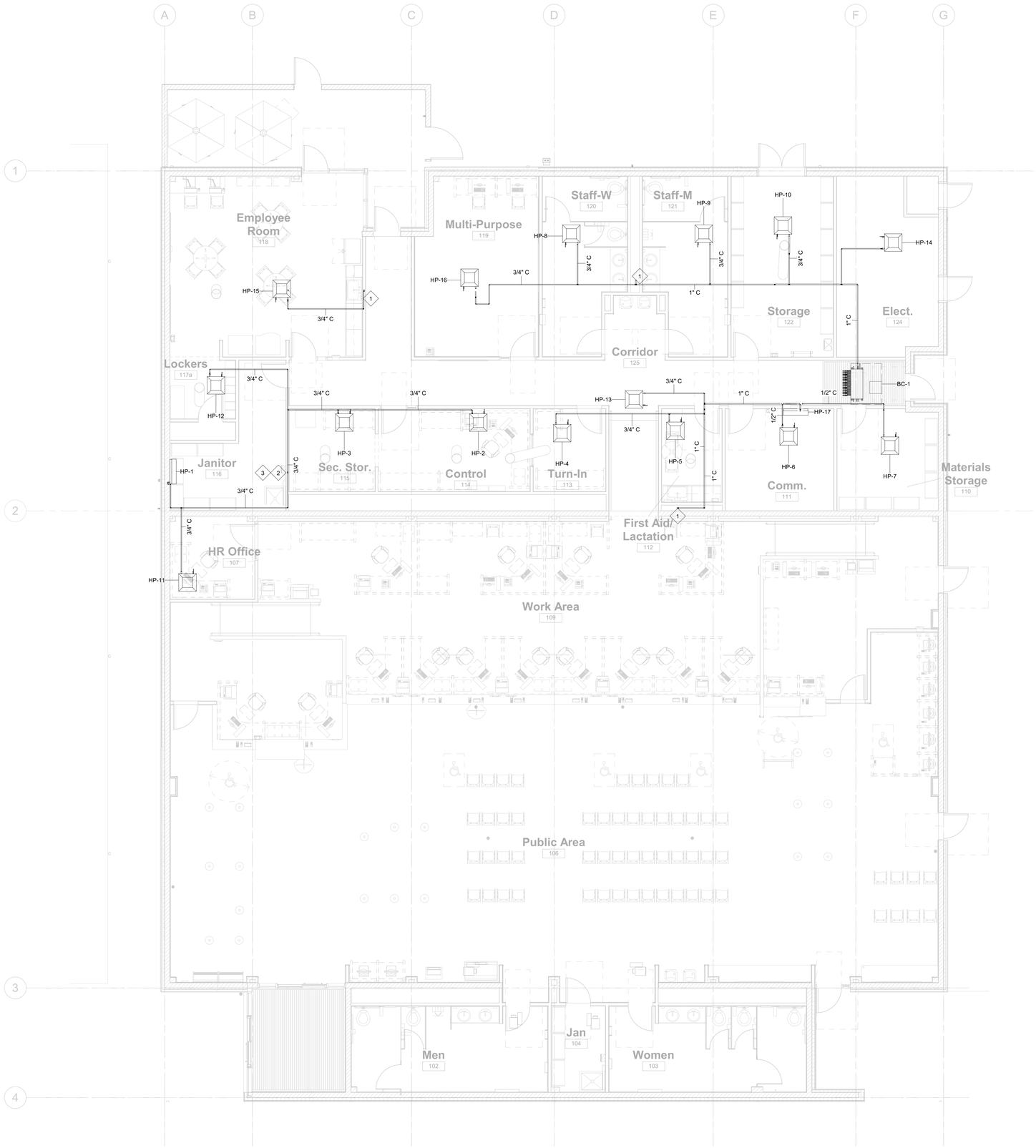
MECHANICAL ZONING PLAN

SHEET NO.

M1.02

ISSUE DATE: JULY , 2021 V3

0116



1 MECHANICAL CONDENSATE PLAN
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. CONNECT TO SINK TAILPIPE.
2. 1/8" PER FOOT FALL TOWARDS DRAIN, TYPICAL.
3. PROVIDE AIR GAP AND P-TRAP IN CONDENSATE LINE ABOVE LEVEL OF SEWER CONNECTION. PROVIDE 6"X6" ACCESS PANEL IN WALL TO SERVICE AIR GAP.

SHEET NOTES:

THESE SHEET NOTES APPLY TO THIS SHEET ONLY

A. INCLUDE CLEANOUTS AT ELBOWS AND AT EACH HP.

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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

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SHEET TITLE

MECHANICAL CONDENSATE PLAN

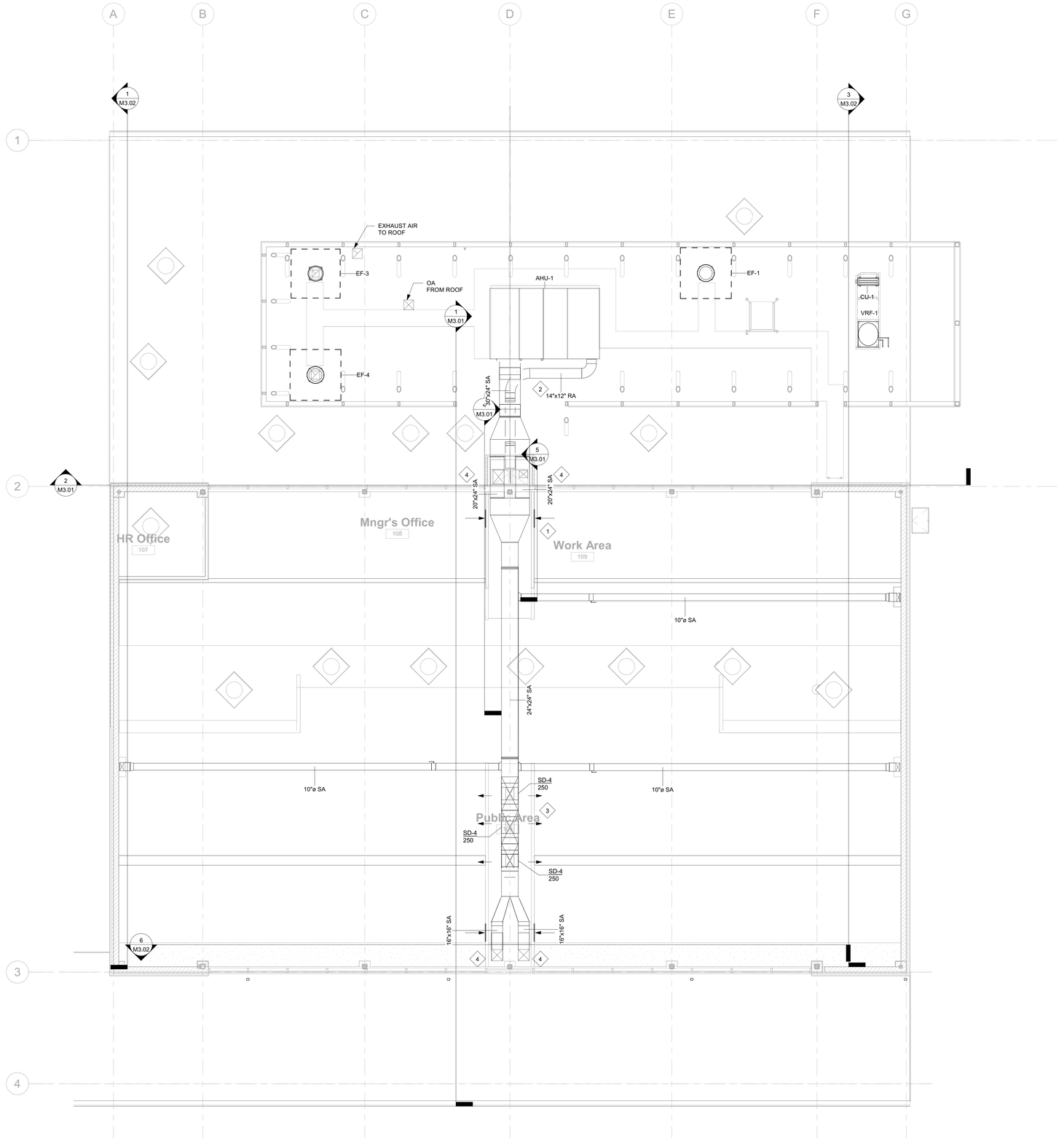
SHEET NO.

M1.03

ISSUE DATE: JULY , 2021

V3

0117



1 MECHANICAL PLAN ABOVE 14' ELEVATION
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. RETURN SLOT DIFFUSERS INSTALLED AT TOP OF SPINE.
2. RETURN DUCT UNDER SUPPLY
3. SUPPLY DIFFUSERS ON BOTTOM FACE OF SPINE. ARROW INDICATES FLOW DIRECTION.
4. SUPPLY AIR DOWN TO VAV, SEE SHEET M1.01

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CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

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JOB NO. DGS 140724

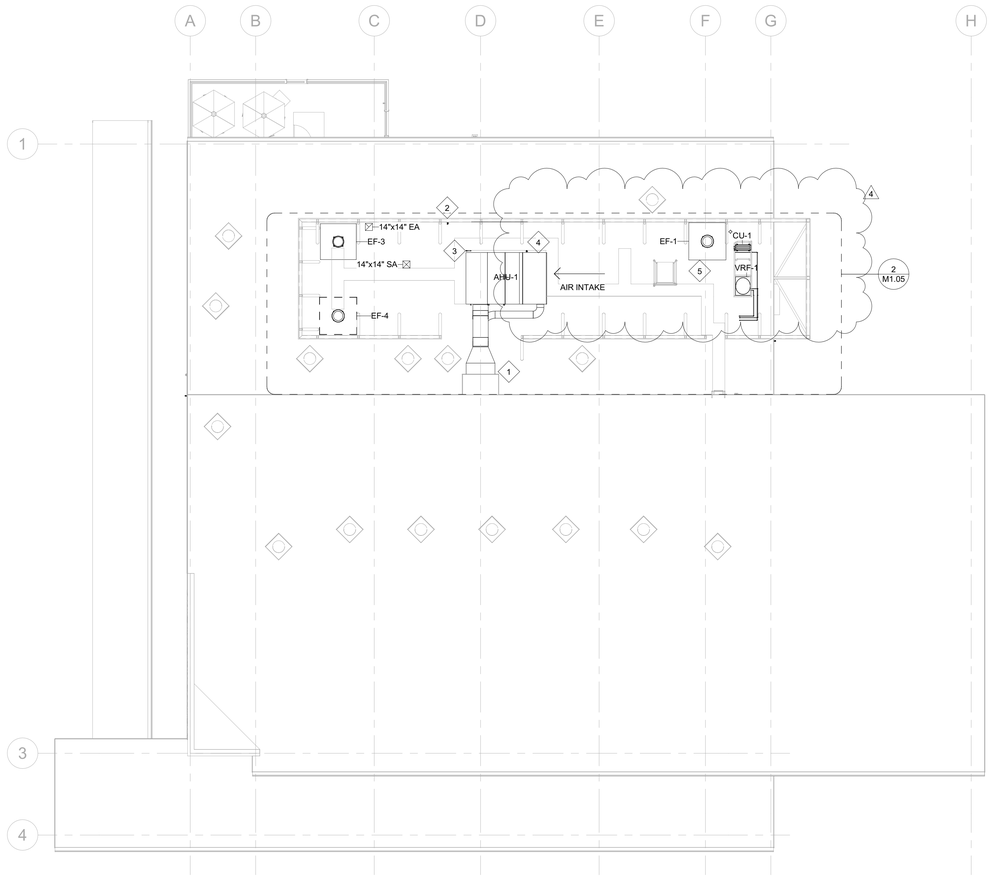
SHEET TITLE

MECHANICAL PLAN AT 14' ELEVATION

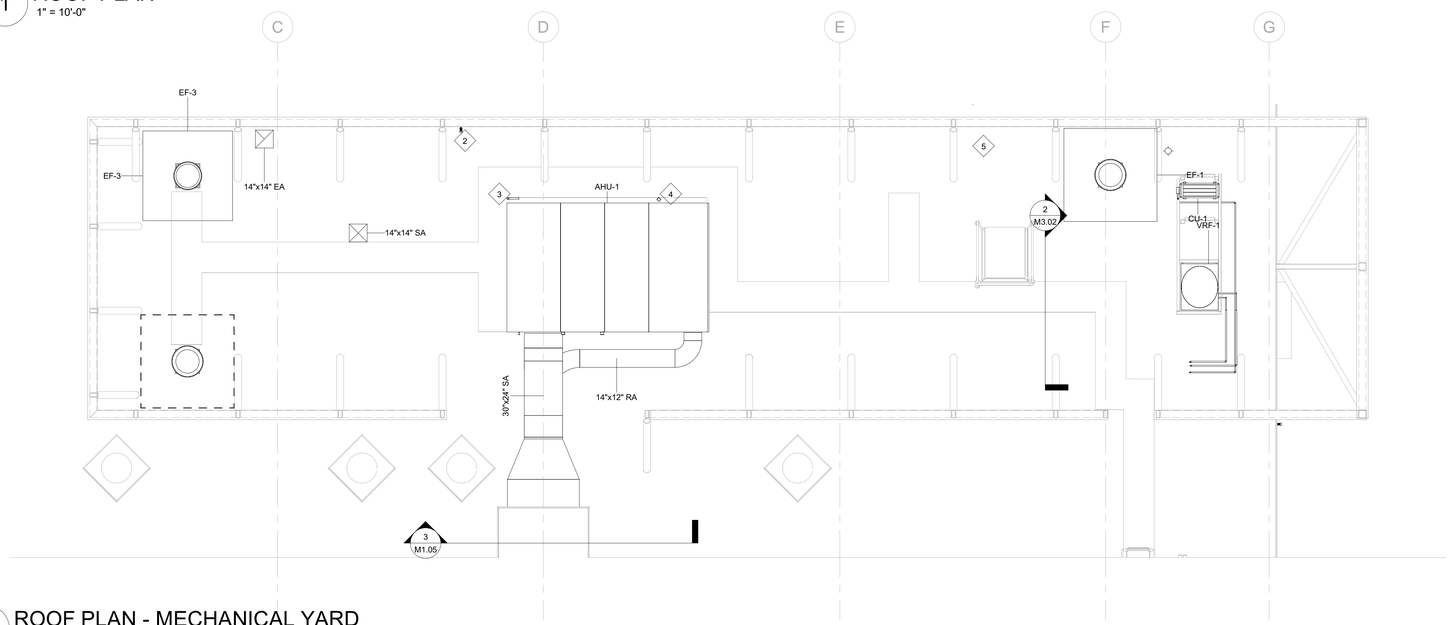
SHEET NO.

M1.04

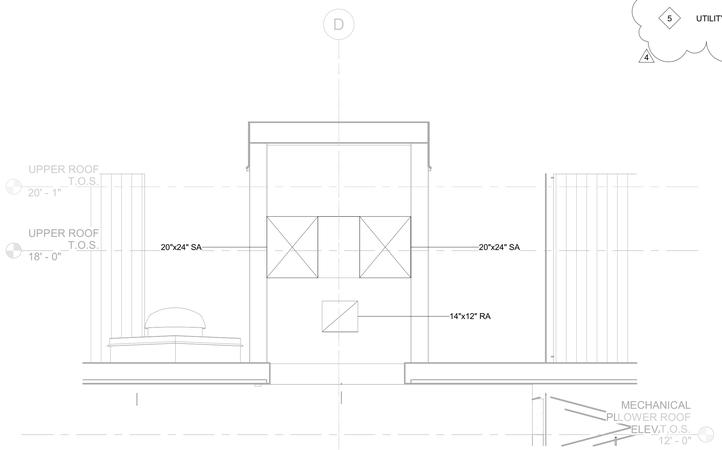
ISSUE DATE: JULY , 2023 v3



1 ROOF PLAN
1" = 10'-0"



2 ROOF PLAN - MECHANICAL YARD
1/4" = 1'-0"



3 DUCT FROM AHU
1/2" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. DUCT TO MOUNT TO FRAMING. INSULATE METAL PANELS TO INSTALL OVER TO PROVIDE WATERPROOFING.
2. HB-2
3. NG UTILITY CONNECTION FOR AHU-1
4. SANITARY CONNECTION FOR AHU-1
5. UTILITY VENT MUST BE ATLEAST 25' AWAY FROM AHU INTAKE

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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
JEANNE C. ROSSETTINI
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ARCHITECT

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4	SFM BACKCHECK REVIEW	12/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

MECHANICAL ROOF PLAN

SHEET NO.

M1.05

ISSUE DATE: JULY , 2021 V3

0119
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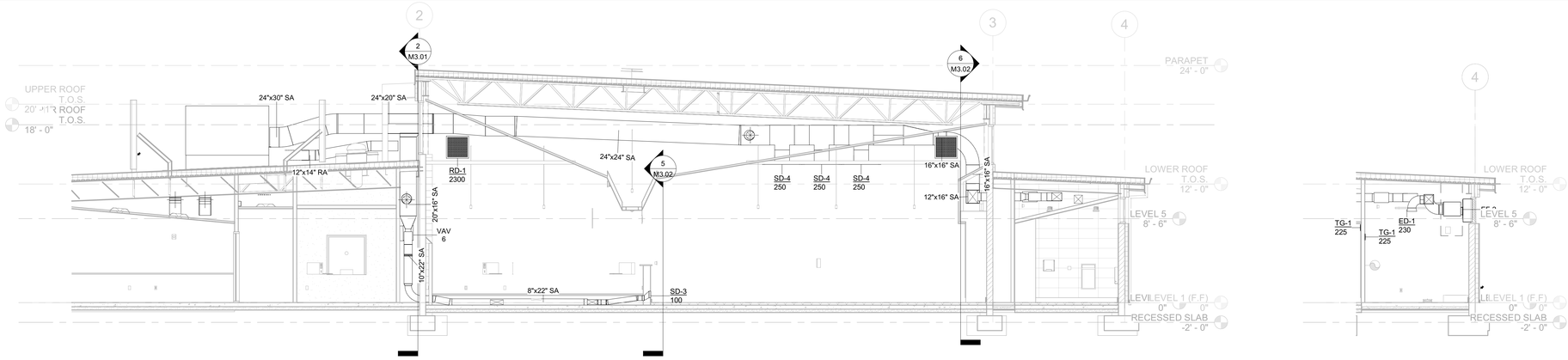
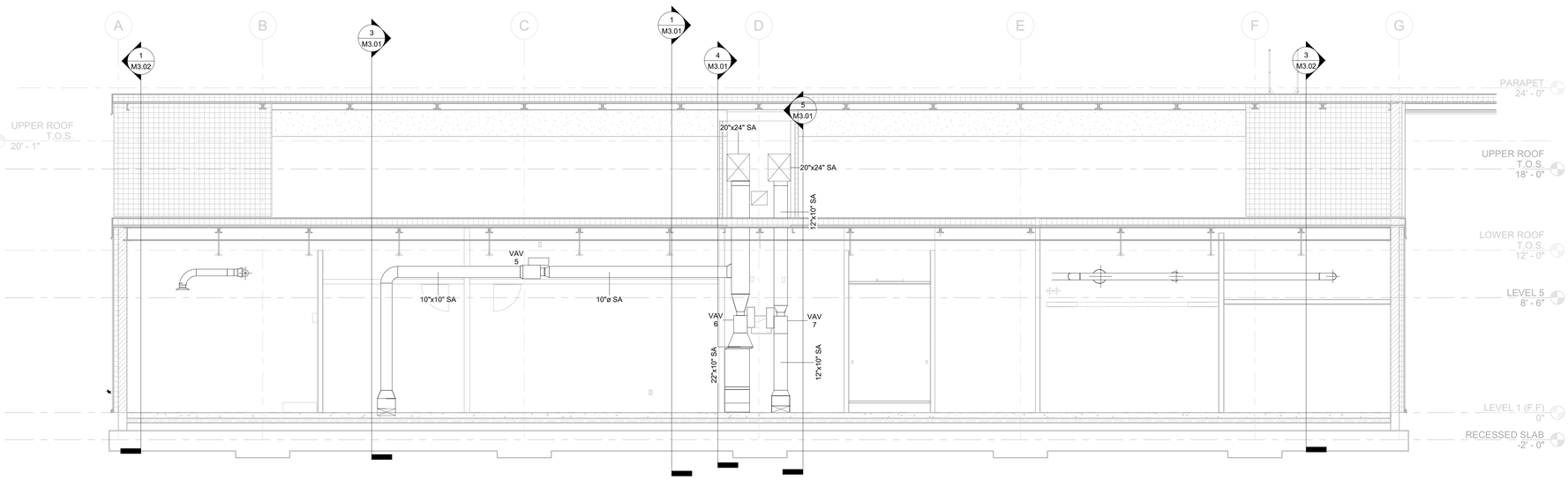
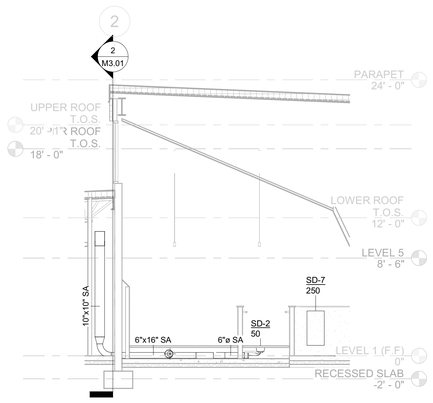


1 MECHANICAL HVAC SECTION - SUPPLY FROM AHU
3/16" = 1'-0"

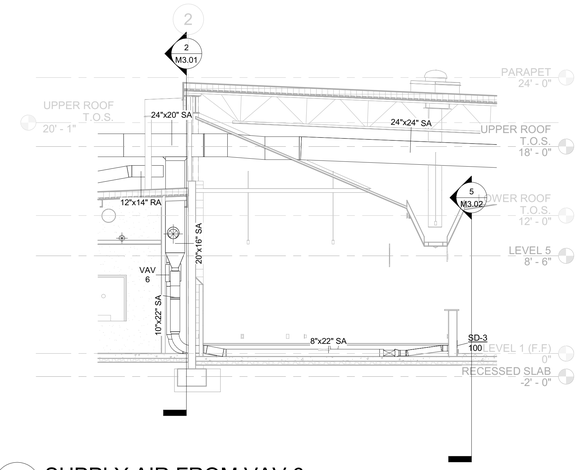
6 JANITOR ROOM
3/16" = 1'-0"



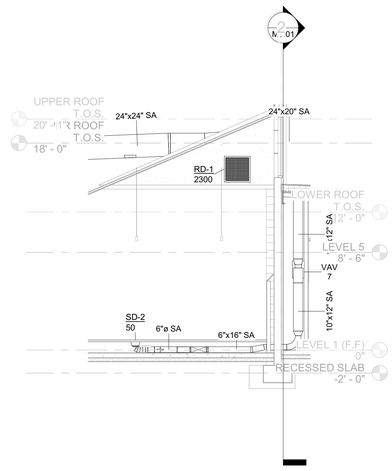
2 MECHANICAL HVAC SECTION 2
1/4" = 1'-0"



3 SUPPLY AIR FROM VAV 5
3/16" = 1'-0"



4 SUPPLY AIR FROM VAV 6
3/16" = 1'-0"



5 SUPPLY AIR FROM VAV 7
3/16" = 1'-0"

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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
ERIC E. RUSK
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EXP. JUNE 2020
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ARCHITECT

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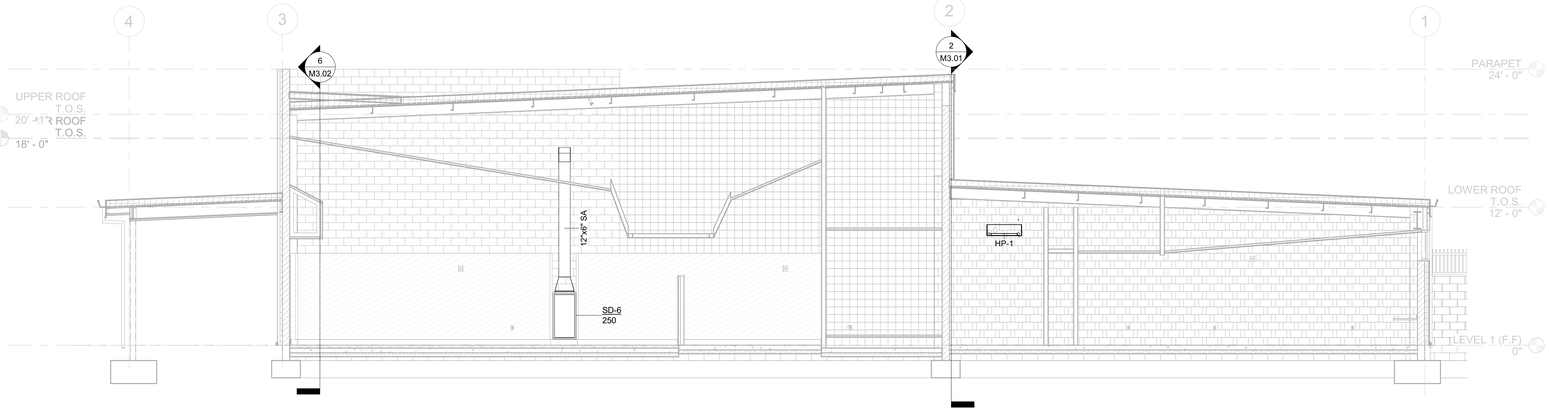
SHEET TITLE

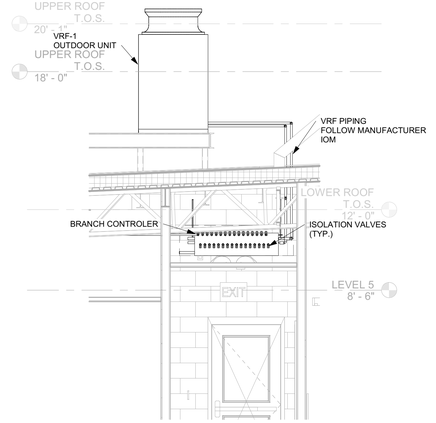
MECHANICAL SECTIONS

SHEET NO.
M3.01

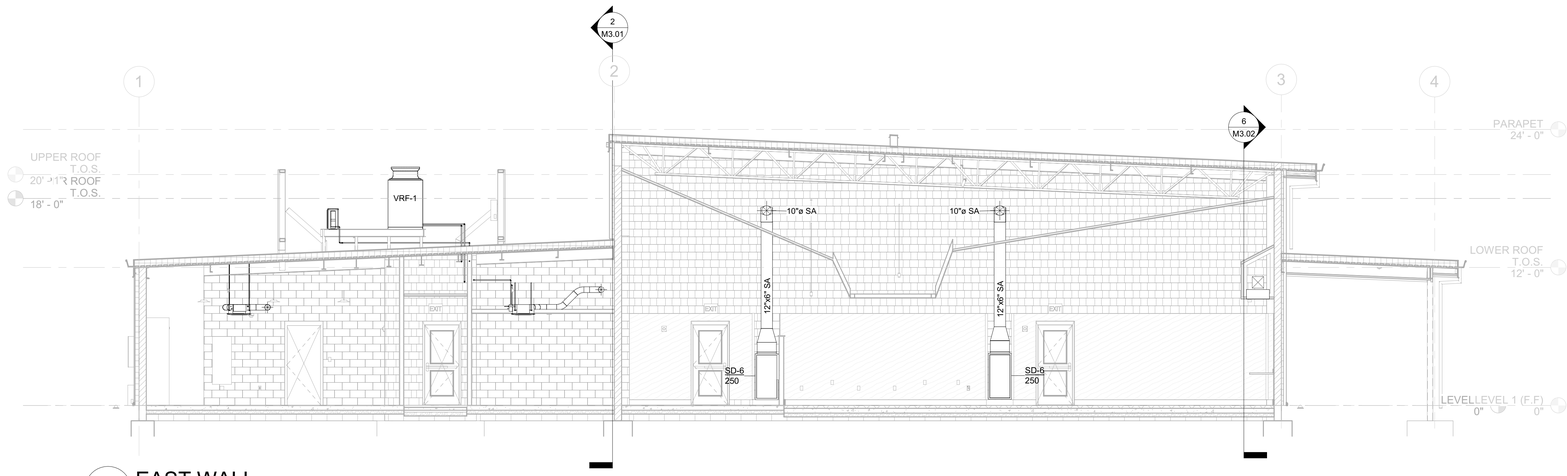
ISSUE DATE: JULY , 2021
V3



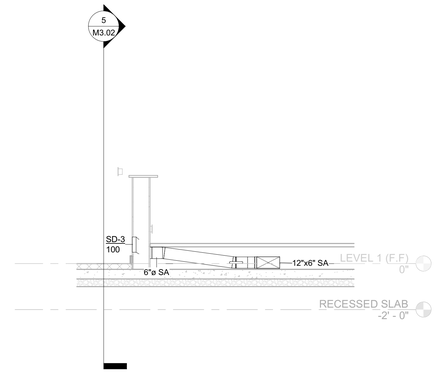
1 WEST WALL
3/16" = 1'-0"



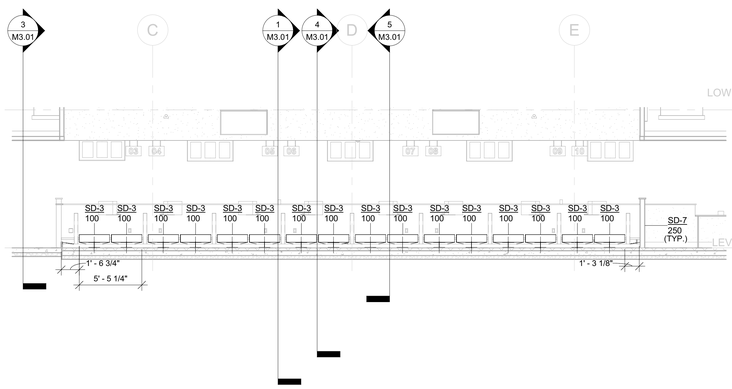
2 BRANCH CONTROLER
N.T.S



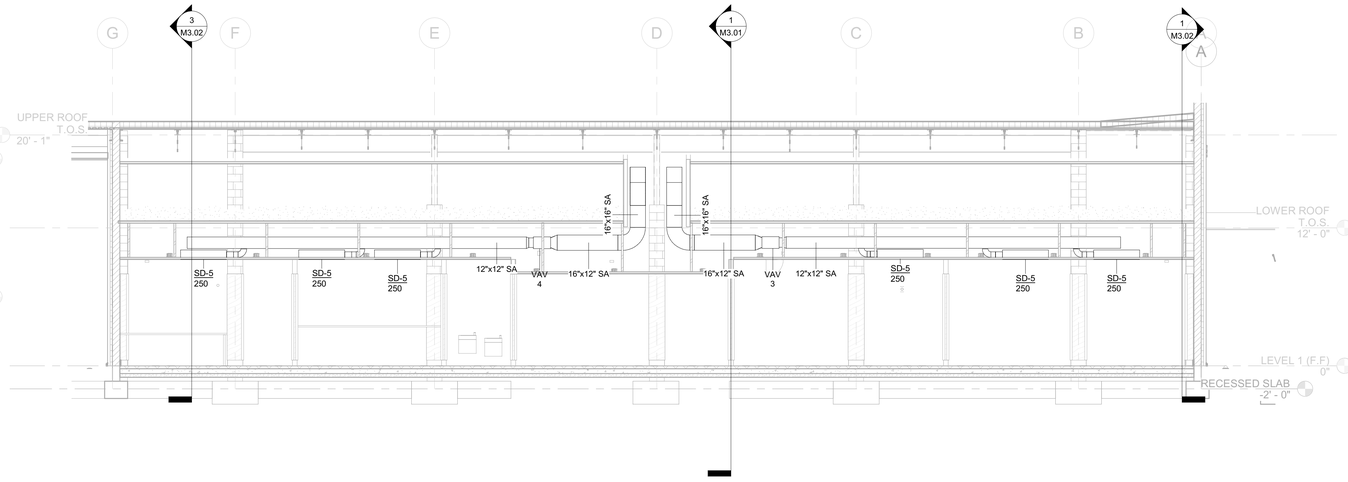
3 EAST WALL
3/16" = 1'-0"



4 SECTION COUNTER VIEW
3/8" = 1'-0"



5 FRONT VIEW AT COUNTER
3/16" = 1'-0"



6 SOUTH WALL
3/16" = 1'-0"

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Dover Parkway, Delano

California Department of General Services

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MECHANICAL
SECTIONS

SHEET NO.

M3.02

ISSUE DATE: JULY , 2020 V3

0120

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ONE INCH = ONE FOOT
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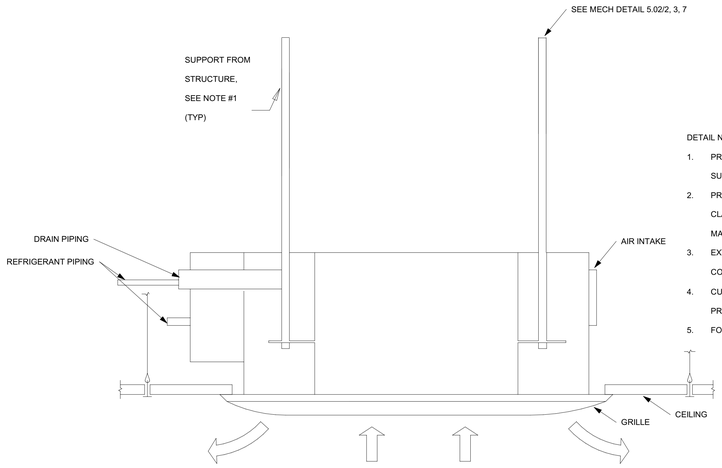
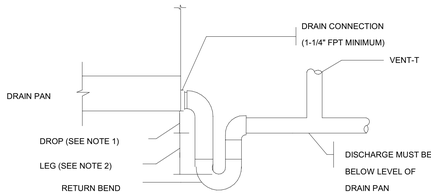
0121



DETAIL NOTES :

1. PROVIDE THREADED ROD AND RESTAINED SPRING ISOLATORS TO SUPPORT UNIT.
2. PROVIDE UNI-STRUT (OR SIMILAR) TRAPEZE HANGERS AND PIPE CLAMPS. INSTALL PIPEWORK IN A NEAT AND WORKMANLIKE MANNER. RUN PARALLEL TO BUILDING STRUCTURE.
3. EXTEND REFRIGERANT LINE SETS TO ASSOCIATED BRANCH CIRCUIT CONTROLLER.
4. CUT/PATCH FOR INSTALLATION OF CEILING-MOUNTED UNITS. PROVIDE ADDITIONAL GRID-TEE AS REQUIRED.
5. FOLLOW MANUFACTURER IOM GUIDANGE TO SUPPORT.

1 CASSETTE
N.T.S

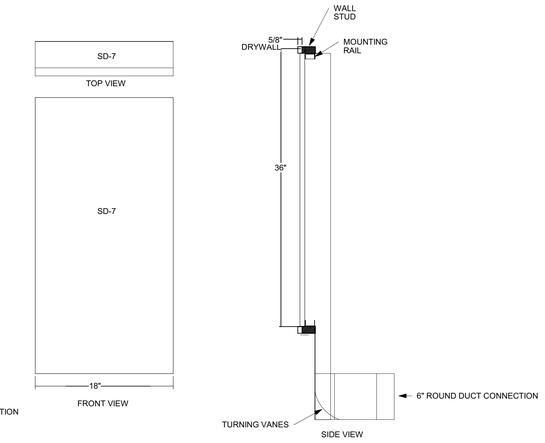


NOTES

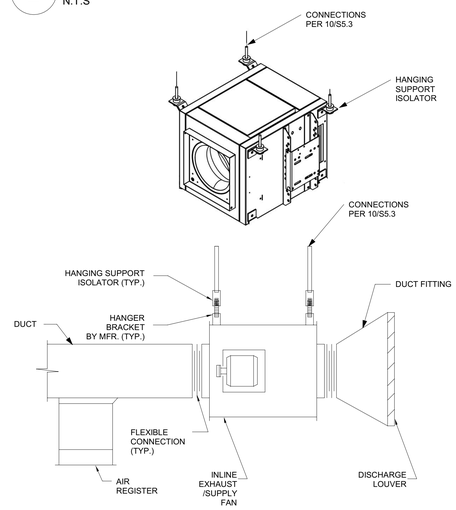
1. MIN. DROP REQUIRED USE OF STANDARD FITTINGS SHOWN EXCEEDS THIS MINIMUM.
2. X/2 + 1" = LEG FOR DRAW THRU UNIT WHERE X=NEGATIVE STATIC PRESSURE AT FAN INLET. (MIN 5")
3. ADD STRUCTURAL STEEL TO RAISE THE BOTTOM OF THE UNIT TO ACCOMMODATE TRAP HEIGHT.
4. PITCH DRAIN FOR PROPER RUN-OFF AND DISCHARGE TO APPROVED RECEPTABLE.
5. SUPPORT DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.
6. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.

PIPE SIZING CHART	
PIPE SIZE	MAX. COOLING LOAD
3/4"	2 TONS
1"	5 TONS
1-1/4"	30 TONS
1- 1/2"	50 TONS

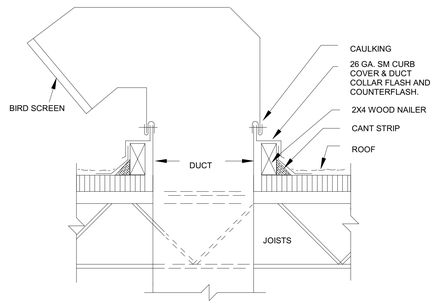
2 CONDENSATE DRAIN PIPING FOR RTU
N.T.S



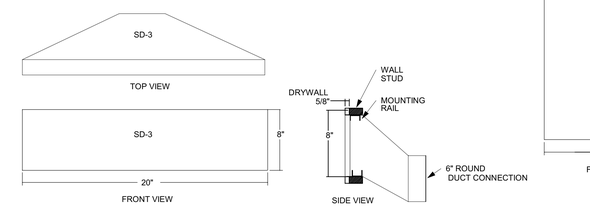
3 AFR DIFFUSER
N.T.S



4 INLINE EXHAUST FAN
N.T.S



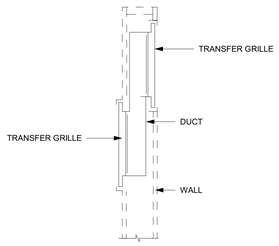
5 ROOF DUCT PENETRATION
N.T.S



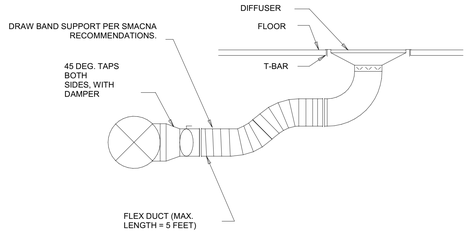
1. PROVIDE SPACING EVERY 10' OR WITHIN 12" OF CHANGE OF DIRECTION PER SMACNA STANDARDS

BASED ON 100' OF PIPE:	MAXIMUM WEIGHT PER 10' (lbs)
APPROXIMATE WEIGHT FOR 16 VRF TUBING WITH REFRIGERANT	164.8
APPROXIMATE WEIGHT FOR 100' of 2" TUBING WITH WATER	33.7
APPROXIMATE WEIGHT FOR 100' of 1 1/2" TUBING WITH WATER	21
APPROXIMATE WEIGHT FOR 100' of 1/2" TUBING WITH WATER	4.3
APPROXIMATE WEIGHT FOR 100' of 2" TUBING WITH CONDENSTATE	33.7

6 PIPE HANGER DETAIL
N.T.S

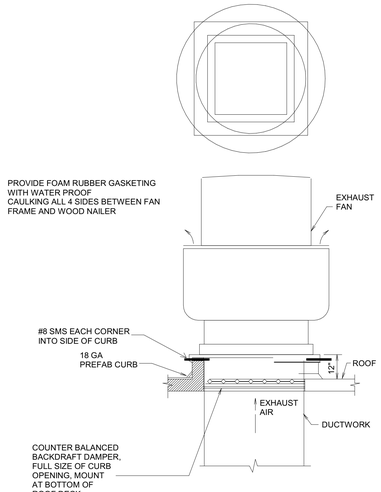


7 TRANSFER AIR GRILLE
N.T.S



NOTE:
1. INNER FLEXIBLE DUCT SHALL BE BANDED TO DUCT. INSULATION AND VAPOR BARRIER SHALL BE EXTENDED OVER DUCT AND TAPED.
2. NO BENDS GREATER THAN 15 DEGS. PERMITTED IN FLEXIBLE DUCT.

8 FLEX DUCT TO UNDERFLOOR DIFFUSER
N.T.S



9 EXHAUST FAN MOUNTING DETAIL
N.T.S

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12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
DANNE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

AECOM
CONSULTANT

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Sacramento, CA 95811
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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

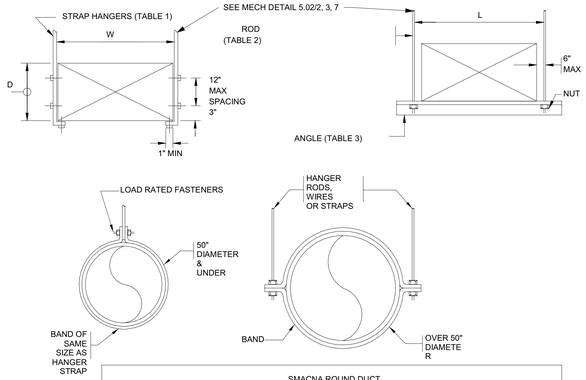
MECHANICAL DETAILS

SHEET NO.
M5.01

ISSUE DATE: JULY , 2023
V3

ONE INCH = TWENTY FEET
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

0122



SMACNA ROUND DUCT HANGERS (MINIMUM SIZE)				
DIA.	MAXIMUM SPACING	WIRE DIA.	ROD	STRAP
10" DN.	12'	ONE 12 ga.	1/4"	1"X22 ga.
11-18"	12'	TWO 12 ga. OR ONE 8 ga.	1/4"	1"X22 ga.
19-24"	12'	TWO 10 ga.	1/4"	1"X22 ga.
25-36"	12'	TWO 8 ga.	3/8"	1"X20 ga.
37-50"	12'	→	TWO 3/8"	TWO 1"X20 ga.
51-60"	12'	→	TWO 3/8"	TWO 1"X18 ga.
61-84"	12'	→	TWO 3/8"	TWO 1"X16 ga.

NOTES:

1. STRAPS ARE GALVANIZED STEEL; RODS ARE UNCOATED OR GALVANIZED STEEL; WIRE IS BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED STEEL. ALL ARE ALTERNATIVES.
2. TABLE ALLOWS FOR CONVENTIONAL WALL THICKNESS, AND JOINT SYSTEMS PLUS ONE lb./SF OF INSULATION WEIGHT. IF HEAVIER DUCTS ARE TO BE INSTALLED. ADJUST HANGER SIZES TO BE WITHIN THEIR LOAD LIMITS.
3. DESIGNERS: FOR INDUSTRIAL GRADE SUPPORTS, INCLUDING SADDLES, SINGLE POINT TRAPEZE LOADS, LONGER SPANS AND FLANGED JOINT LOADS, SEE SMACNA'S ROUND INDUSTRIAL DUCT CONSTRUCTION STANDARDS.

1 DUCT HANGERS
N.T.S

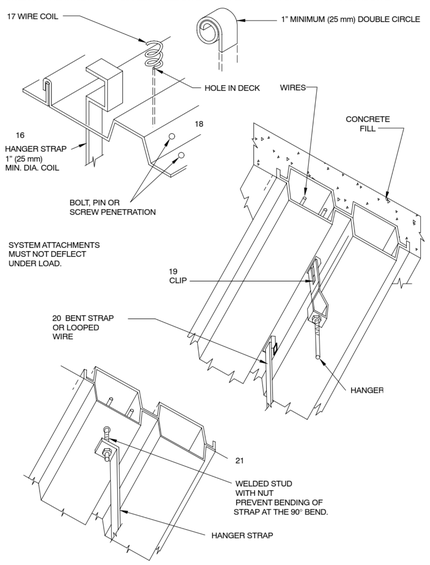
SMACNA RECTANGULAR DUCT HANGERS (MINIMUM SIZE)					
MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT. SPACING	PAIR AT 8 FT. SPACING	PAIR AT 5 FT. SPACING	PAIR AT 4 FT. SPACING	
	STRAP	WIRE/ STRAP ROD	WIRE/ STRAP ROD	WIRE/ STRAP ROD	WIRE/ ROD
P/2 = 30"	1"x22 ga.	10 ga. (.135") 1"x22 ga.	10 ga. (.135") 1"x22 ga.	12 ga. (.106") 1"x22 ga.	12 ga. (.106")
P/2 = 72"	1"x18 ga.	3/8" 1"x20 ga.	1/4" 1"x22 ga.	1/4" 1"x22 ga.	1/4"
P/2 = 96"	1"x16 ga.	3/8" 1"x18 ga.	3/8" 1"x20 ga.	3/8" 1"x22 ga.	1/4"
P/2 = 120"	1-1/2"X16 ga.	1/2" 1"x16 ga.	3/8" 1"x18 ga.	3/8" 1"x20 ga.	1/4"
P/2 = 168"	1-1/2"X16 ga.	1/2" 1-1/2"X16 ga.	1/2" 1"X16 ga.	3/8" 1"X18 ga.	3/8"
P/2 = 192"		1/2" 1-1/2"X16 ga.	1/2" 1"X16 ga.	3/8" 1"X16 ga.	3/8"
P/2 = 193 UP	SPECIAL ANALYSIS REQUIRED				

WHEN STRAPS ARE LAP JOINTED USE THESE MINIMUM FASTENERS:	SINGLE HANGER MAXIMUM ALLOWABLE LOAD	
	STRAP	WIRE OR ROD (DIA.)
1"X18,20,22 ga. - TWO #10 OR ONE 1/4" BOLT	1"x22 ga. - 260 lbs.	0.106" - 80 lbs.
1"X16 ga. - TWO 1/4" DIA.	1"x20 ga. - 320 lbs.	0.135" - 120 lbs.
1-1/2"X16 ga. - TWO 3/8" DIA.	1"x18 ga. - 420 lbs.	0.162" - 160 lbs.
PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE.	1"x16 ga. - 700 lbs.	1/4" - 270 lbs.
	1-1/2"x16 ga. - 1100 lbs.	3/8" - 680 lbs.
		1/2" - 1250 lbs.
		5/8" - 2000 lbs.
		3/4" - 3000 lbs.

NOTES:

1. DIMENSIONS OTHER THAN GAUGE ARE IN INCHES.
2. TABLE ALLOWS FOR DUCT WEIGHT, 1lb./SF INSULATION WEIGHT AND NORMAL REINFORCEMENT AND TRAPEZE WEIGHT, BUT NO EXTERNAL LOADS!
3. FOR CUSTOM DESIGN OF HANGERS, DESIGNERS MAY CONSULT SMACNA'S RECTANGULAR INDUSTRIAL DUCT STANDARDS, THE AISI COLD FORMED STEEL DESIGN MANUAL AND THE AISI STEEL CONSTRUCTION MANUAL.
4. STRAPS ARE GALVANIZED STEEL; OTHER MATERIALS ARE UNCOATED STEEL.
5. ALLOWABLE LOADS FOR P/2 ASSUME THAT DUCTS ARE 16 ga. MAX., EXCEPT THAT WHEN MAXIMUM DUCT DIMENSION (W) IS OVER 60" THEN P/2 MAXIMUM IS 1.25W.
6. 12,10 OR 8 ga. WIRE IS STEEL OF BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED TYPE.

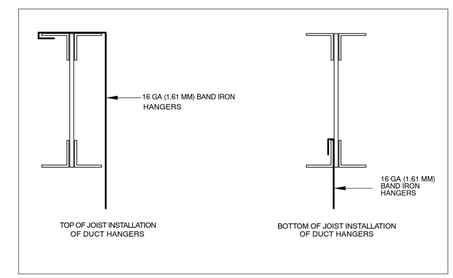
UNLESS OTHERWISE APPROVED ALLOWABLE LOAD ON UPPER ATTACHMENT IS 1/4 OF FAILURE LOAD.



AVOID PENETRATION OF ELECTRICAL ENCLOSURES

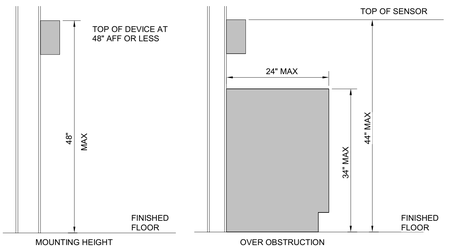
SOURCED FROM SMACNA: HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. FIGURE 5-4 UPPER ATTACHMENTS - TYPICAL

2 UPPER ATTACHMENTS - TYPICAL
N.T.S

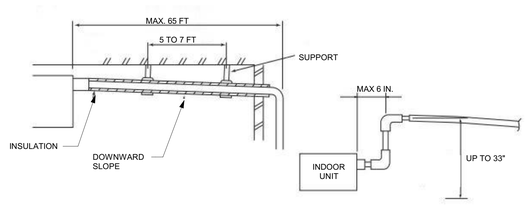


SOURCED FROM SMACNA: HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. FIGURE 5-3 ALTERNATIVE JOIST ATTACHMENTS

3 ALTERNATE JOIST ATTACHMENTS
N.T.S

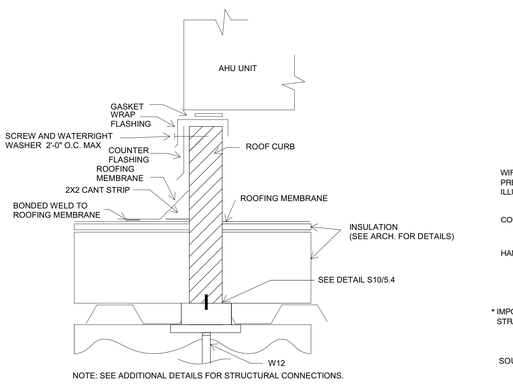


4 MECHANICAL SENSOR MOUNTING DETAIL
N.T.S



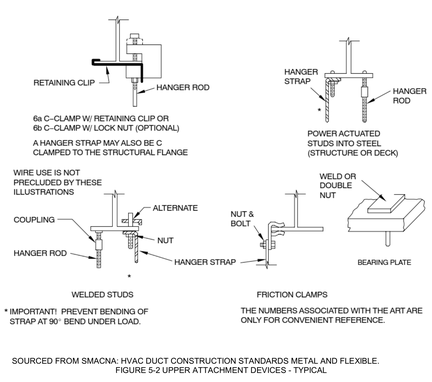
NOTE:
1. SEE MANUFACTURER INSTALLATION MANUAL FOR ADDITIONAL INSTALLATION GUIDLINES AND INSTRUCTIONS.

5 CASSETTE DRAIN PIPING
12" = 1'-0"



NOTE: SEE ADDITIONAL DETAILS FOR STRUCTURAL CONNECTIONS.

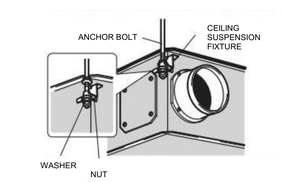
6 ROOF CURB FOR AHU UNIT
N.T.S



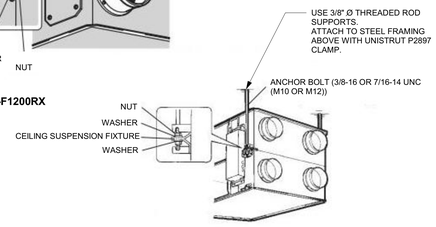
SOURCED FROM SMACNA: HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. FIGURE 5-2 UPPER ATTACHMENT DEVICES - TYPICAL

7 UPPER ATTACHMENTS DEVICES - TYPICAL
N.T.S

MODEL LGH-F1200RX



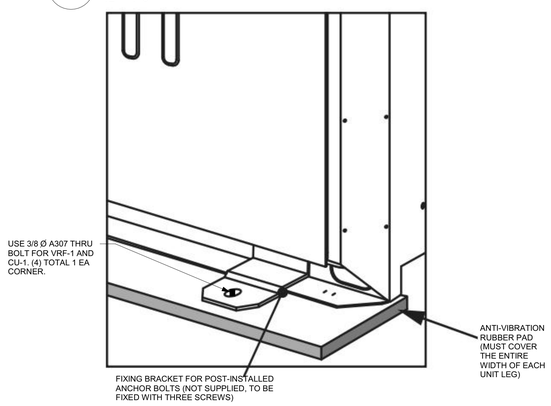
MODEL LGH-F1200RX



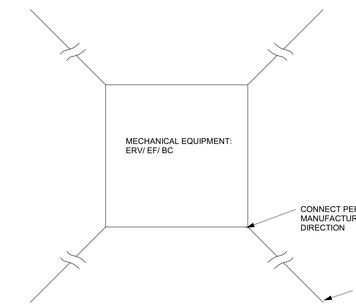
NOTES:

1. SEE MANUFACTURER INSTALLATION MANUAL FOR ADDITIONAL GUIDLINES AND INSTRUCTIONS.

8 ERV LOSSNAY MOUNTING DETAIL
N.T.S

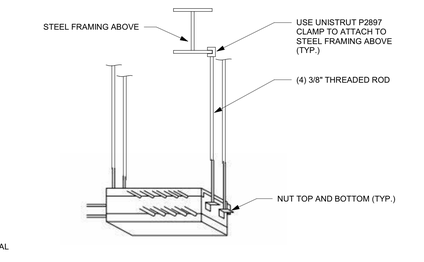


9 MOUNTING DETAIL VRF-1 AND CU-1
N.T.S



EQUIPMENT	EF (INLINE FAN)	ERV	BC
CABLE	1/8" Ø	1/8" Ø	1/8" Ø
MAX ANGLE FROM HORIZONTAL	45-60 DEGREES	45-60 DEGREES	45-60 DEGREES

10 SEISMIC BRACING WIRES
N.T.S



1. ENSURE A PULL OUT STRENGTH OF AT LEAST 133lbs PER BOLT FOR HANGING BOLTS.
2. BE SURE TO INSTALL BC CONTROLLERS LEVEL.
3. SEE MANUFACTURER DETAIL FOR ADDITIONAL INSTALLATION AND OPERATION GUIDLINES.

11 MOUNTING DETAIL BC-1
N.T.S

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
ERIC E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

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Sacramento, CA 95811
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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724

SHEET TITLE

MECHANICAL DETAILS

SHEET NO.

M5.02

ISSUE DATE: JULY , 2023
V3

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT ONE-HALF INCH = ONE FOOT

0123

OUTDOOR AIR HANDLER

MARK	MANUFACTURER	MODEL	NOMINAL TONNAGE	TOTAL CFM	OUTSIDE AIR			FAN DATA		COOLING COIL			HEATING CAPACITY	ELECTRICAL						SYSTEM REFRIGERANT	WEIGHT	LOCATION	NOTES
					AIRFLOW (CFM)	SUMMER TEMP		WINTER DB TEMP	FAN POWER (HP)	ESP (IN. WG)	SENSIBLE CAPACITY	TOTAL CAPACITY	ENTERING AIR			FLA	MCA	MCOP	VOLTS	PHASE	HZ	TYPE			
						DB	WB						DB	WB										
AHU-1	AAON	RN-018-3-0-EA0A34B	15	6170	1545 CFM	103 °F	70 °F	63 °F	3.4	1.0	170,000 Btu/h	180,900 Btu/h	80 °F	63 °F	150,000 Btu/h	45.0 A	48	60.0 A	208	3	60	R-410A	3091	ROOF	SIDE RETURN AND SUPPLY, MERV 13 FILTERS, SEE DETAIL M5.02/2, 6

VAV SCHEDULE

Mark	MANUFACTURER	MODEL	SIZE	SUPPLY CFM	MAX CFM	SERVICE AREA	CONTROLS SIDE	SCHEDULE NOTES
VAV 1	TITUS	DESV	7	500	650	ROOM 101, 102	LEFT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS
VAV 2	TITUS	DESV	5	250	350	ROOM 103	RIGHT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS
VAV 3	TITUS	DESV	8	750	900	ROOM 106	RIGHT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS
VAV 4	TITUS	DESV	8	750	900	ROOM 106	LEFT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS
VAV 5	TITUS	DESV	6	300	500	ROOM 109	RIGHT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS
VAV 6	TITUS	DESV	14	2100	3000	ROOM 109	RIGHT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS
VAV 7	TITUS	DESV	6	300	500	ROOM 109	LEFT SIDE	INLET SIZED PER MANUFACTURE STANDARD, SINGLE DUCT VAV TERMINAL UNIT WITH CONTROLS

1. SEE DETAIL M5.02/2, 3, 7

AIR TERMINAL SCHEDULE

MARK	COUNT	BASICS OF DESIGN		SIZE	MAX FLOW	THROW	NOTES
		MANUFACTURER	MODEL				
ED-1	8	KRUEGER	5120	12"X12"	300 CFM	-	
RD-1	4	KRUEGER	EGC5	24"X24"	1500 CFM	-	
SD-1	4	KRUEGER	ASPD-12	12"X12"	250 CFM	4 WAY	
SD-2	12	KRUEGER	FDD	10"	50 CFM	4 WAY	SEE DETAIL M5.01/8
SD-3	16	KRUEGER	AFR	32"X8"	250 CFM	1-WAY	SEE DETAIL M5.01/3
SD-4	9	KRUEGER	AFH	24"X48"	250 CFM	4-WAY	
SD-5	3	KRUEGER	AFE	24"x47"	276 CFM	1-WAY	
SD-6	2	KRUEGER	AFR	18"x36"	250 CFM	1-WAY	
SD-7	1	KRUEGER	5880	24"X12"	250 CFM	4-WAY	SEE DETAIL M5.01/3
SD-8	1	KRUEGER	5885	12"X12"	290 CFM	4 WAY	
TG-1	6	KRUEGER	EGC5	16"x6"	225 CFM	-	SEE DETAIL M5.01/7

VRF BRANCH CONTROLLER SCHEDULE

MARK	MANUFACTURER	MODEL	ELECTRICAL			WEIGHT	LOCATION	NOTES
			VOLTAGE	PHASE	MCA			
BC-1	MITSUBISHI ELECTRIC	CMB-P1016NU-HA1	208	1	1.3	138	ROOF	SEE DETAIL M5.02/10

VRF CONDENSING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	NOMINAL TONNAGE	COOLING CAPACITY	HEATING CAPACITY	ELECTRICAL			LOCATION	WEIGHT	NOTES
						VOLTAGE	PHASE	MCA			
VRF-1	MITSUBISHI ELECTRIC	PURY-P72TLMU-A	6	72000	80000	208	3	24	ROOF	444	SEE DETAIL M5.02/9

DX CONDENSING UNIT

MARK	MANUFACTURER	MODEL	NOMINAL TONNAGE	COOLING CAPACITY	HEATING CAPACITY	ELECTRICAL			LOCATION	WEIGHT	NOTES
						VOLTAGE	PHASE	MCA			
CU-1	MITSUBISHI ELECTRIC	PUY-A12NKA7(-BS)	1	12000	0	208	1	11	ROOF	92	SEE DETAIL M5.02/9

VRF EVAPORATOR SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	SERVICE AREA (ROOM)	RL SIZE (IN)	RS SIZE (IN)	AIRFLOW (CFM)				COOLING (BTU/H)	HEATING (BTU/H)	ELECTRICAL			WEIGHT	NOTES
							OA	LOW	MEDIUM	HIGH			VOLTAGE	PHASE	MCA		
HP-1	Mitsubishi Electric	PKFY-P06NBMU-E	WALL MOUNT	ROOM-116 JANITOR	1/4	1/2	50	170	190	210	6000	6700	208	1	0.19	22	1, 3
HP-2	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-114 CONTROL	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-3	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-115 SEC. STORAGE	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-4	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-113 TURN-IN	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-5	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-112 FIRST AID/LAC.	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-6	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-111 COMM.	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-7	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-110 MATERIAL STG.	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-8	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-120 STAFF-W	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-9	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-121 STAFF-M	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-10	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-122 STORAGE	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-11	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-107 HR OFFICE	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-12	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-117A LOCKERS	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-13	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-125 CORRIDOR	1/4	1/2	100	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-14	MITSUBISHI ELECTRIC	PLFY-P05NFMU-E	CEILING CASSETTE	ROOM-124 ELECTRICAL	1/4	1/2	50	230	265	280	5000	5600	208	1	0.24	34.2	1, 3
HP-15	MITSUBISHI ELECTRIC	PLFY-EP12NEMU-E	CEILING CASSETTE	ROOM-118 EMPLOYEE ROOM	1/4	1/2	200	245	280	335	12000	13500	208	1	0.29	36.6	1, 3
HP-16	MITSUBISHI ELECTRIC	PLFY-EP12NEMU-E	CEILING CASSETTE	ROOM-119 MULTI-PURPOSE	1/4	1/2	225	245	280	335	12000	13500	208	1	0.29	36.6	1, 3
HP-17	Mitsubishi Electric	PKFY-P06NBMU-E	WALL MOUNT	ROOM-111 COMM.	1/4	1/2	50	170	190	210	6000	6700	208	1	0.19	22	2, 3

1. PROVIDE 3D-I-SEE SENSOR AT EACH CEILING CASSETTE.
2. REDUNDANT SYSTEM FOR COMM ROOM, SUBSYSTEM OF CU-1.
3. SEE DETAIL M5.01/1 AND M5.02/2, 3, 5,7

ERV SCHEDULE

MARK	MANUFACTURER	MODEL	AIRFLOW		ENTHALPY RECOVERY EFFICIENCY		LEAVING AIR TEMPERATURE			FAN MOTORS		ELECTRICAL			WEIGHT (LB)	LOCATION	SCHEDULE NOTES
			CFM	ESP	HEATING	COOLING	COOLING		HEATING DB	QUANTITY	FAN HP	VOLTAGE	PHASE	MCA			
							DB	WB									
ERV-1	Mitsubishi Electric	LGH-F1200RX5-E	1175	0.2	68	56	81 °F	71 °F	64 °F	2	0.52	208 V	1	7 A	265	ROOF	MERV 13 FILTERS, SEE DETAIL M5.02/8, 10

EXHAUST FAN SCHEDULE

MARK	MANUFACTUER	Model	CFM	Count	ESP	Volts	Phase	HZ	MOTOR ENCLOSURE	WEIGHT (LB)	SERVICE AREA	UNIT LOCATION	COMMENTS
EF-1	Greenheck	CUE-090-VG	550	1	0.25	120	1	60	STEEL	37	ROOM 120 & 122 STAFF	ROOF	DIRECT DRIVE, UPBLAST, SEE DETAIL M5.01/9 AND M5.02/5
EF-2	Greenheck	SQ-100-VG	830	1	0.75	120	1	60	STEEL	69	ROOM - 104 JANITOR	ROOM 104	DIRECT DRIVE, INLINE, SEE DETAIL M5.01/4,10
EF-3	Greenheck	CUE-090-E	300	1	0.25	120	1	60	STEEL	31	ROOM - 118 EMPLY ROOM	ROOF	DIRECT DRIVE, UPBLAST, SEE DETAIL M5.01/9 AND M5.02/5
EF-4	Greenheck	CUE-090-VG	200	1	0.25	120	1	60	STEEL	37	ROOM - 116 JANITOR	ROOF	DIRECT DRIVE, UPBLAST, SEE DETAIL M5.01/9 AND M5.02/5

AIR BALANCE SCHEDULE

UNIT TAG	LOCATION	SUPPLY CFM	RETURN CFM	MINIMUM OSA	EXHAUST CFM	NET POSITIVE/NEG CFM
HP 1-17	FRONT OF HOUSE	1225	1200	1225	1020	205
AHU-1	BACK OF HOUSE	6170	4625	1545	830	715
TOTAL		7395	5825	2770	1850	920
					BUILDING IS POSITIVE BY	**920**

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
EUGENE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR. 2020

AECOM
CONSULTANT
nacht&lewis
600 Q Street, Suite 100
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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

MECHANICAL SCHEDULES

SHEET NO.

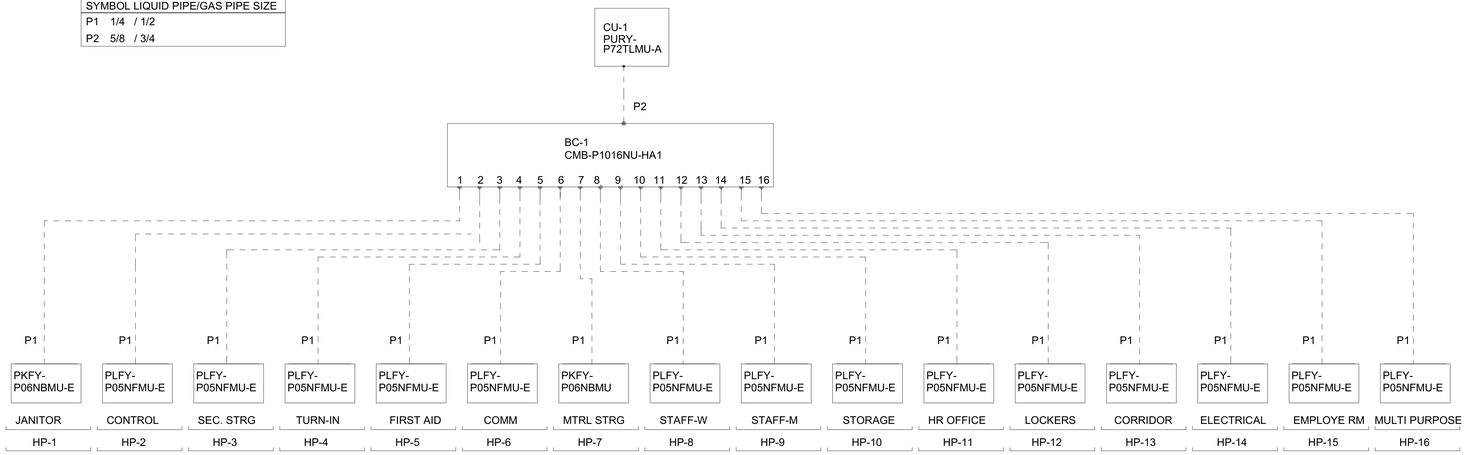
M6.01

ISSUE DATE: JULY , 2020

v3

CITY MULTI SYSTEM SCHEMATIC DWG.

PIPING AND CONTROLS
SYMBOL BRANCH PIPE MODEL NAME
SYMBOL LIQUID PIPE/GAS PIPE SIZE
P1 1/4 / 1/2
P2 5/8 / 3/4



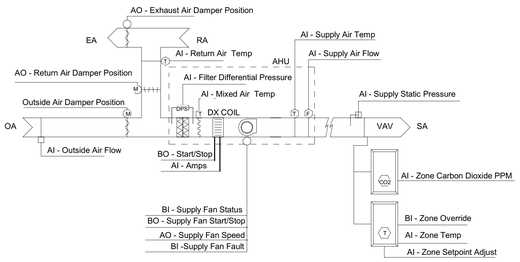
Indoor Unit Sequence of Operations:

A. **On/Off Control:** the indoor units can be commanded ON/OFF either by a schedule in the Central Controller, at the Remote Controller, or by the BMS. If all indoor units are off, the outdoor unit shall turn off. With the Night Setback Function/Mode, the system shall cycle on during unoccupied periods as needed to maintain unoccupied temperature set point.

B. **Space Temperature Control:** the indoor unit shall modulate its internal linear expansion valve (LEV) to maintain the temperature set point via the indoor unit's internal controls.
1. The set point is adjustable at the remote controller, central controller, or through a BMS interface. The temperature set point can also be scheduled at the remote controller or the central controller.

C. **Mode Control:**
1. **Auto Mode:**
a. The indoor unit shall determine whether it should be in auto-heat mode or auto-cool mode based on space temperature relative to temperature set point. If the indoor unit is in auto heat mode, the indoor unit control board shall follow the heat mode sequence. If the indoor unit is in auto cool mode, the indoor unit control board shall follow the cool mode sequence.
b. The indoor unit shall switch from AutoHeat to AutoCool when the space temperature rises above and remains above the temperature set point plus the dead band for 3 minutes.
c. The indoor unit will switch from AutoCool to AutoHeat when the space temperature drops below and remains below the temperature set point minus the dead band for 3 minutes.
2. **Heating Mode:** the indoor unit shall modulate its linear expansion valve (LEV) to maintain temperature set point.
3. **Cooling Mode:** the indoor unit shall modulate its linear expansion valve (LEV) to maintain temperature set point.

AHU UNIT CONTROLS SCHEMATIC



SYSTEM PROGRAMMING - SCHEDULED:
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

OCCUPIED MODE: MONDAY - SATURDAY, 7:00 - 19:30 (+ 30 MIN MORNING STARTUP/ PURGE), SU - CLOSED
1) 75°F COOLING SETPOINT
2) 70°F HEATING SETPOINT

UNOCCUPIED MODE (SETBACK):
1) 85°F COOLING SETPOINT.
2) 55°F HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

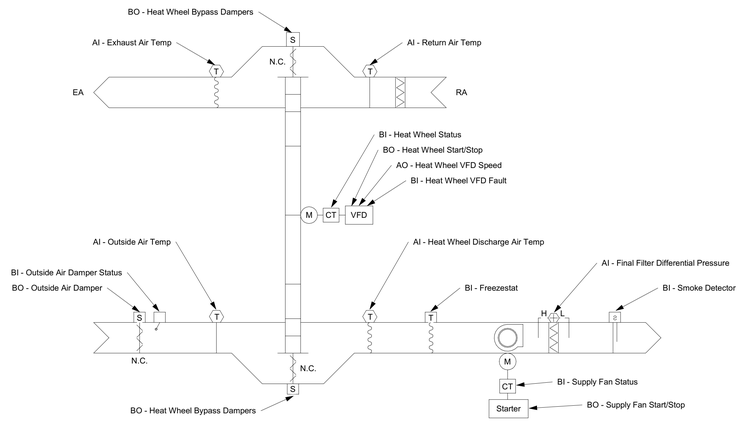
HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT.
LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT.

ZONE SETPOINT ADJUST:
THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR +/- 2 DEG.

ZONE UNOCCUPIED OVERRIDE:
A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

FAN:
THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS UNIT IS SHUTDOWN ON SAFETIES.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
1. SUPPLY AIR HIGH TEMP USER DEFINABLE LIMIT (ADJ.).
2. LACK OF AIR FLOW
3. VENT FAILURE/LACK OF FLOW



CONTROLS SCOPE OF WORK

PROVIDE AND INSTALL CONTROLS PER POINTS LIST AND SEQUENCE OF OPERATION.

PROVIDE AND INSTALL EXHAUST AIR DAMPER WITH ACTUATOR.

PROVIDE AND INSTALL OUTSIDE AIR DAMPER.

PROVIDE AND INSTALL MIXED AIR DAMPER.

PROVIDE AND INSTALL NEW TEMPERATURE AND PRESSURE SENSORS.

PROVIDE NEW DDC CONTROL PANEL

INTEGRATE THE DDC CONTROL PANELS TO A CENTRAL BMS SERVER AND WORKSTATION.

PROVIDE SEQUENCES IN COMPLIANCE WITH ASHARE GUIDLINE 36.

ERV SEQUENCE OF OPERATION

OCCUPIED:

THE ERV SHALL CYCLE ON AND OFF UPON A CALL BY EITHER THE CO2 SENSORS DURING OCCUPIED TIMES AS DETERMINED BY THE PROGRAMMABLE TIME CLOCK.

THE ERV SHALL BE DISABLED IF THE OUTDOOR AIR DAMPER FAILS TO OPEN.

UNOCCUPIED

THE ERV SHALL BE DISABLED DURING UNOCCUPIED TIMES AS DETERMINED BY A SEVEN (7) DAY, PROGRAMMABLE TIME CLOCK.

MANUAL OPERATION

A SIGNAL FROM THE BAS SHALL DISABLE THE ERV IN THE EVENT OF AN EMERGENCY SITUATION TO PREVENT OUTDOOR AIR FROM BEING INTRODUCED INTO THE BUILDING. DURING UNOCCUPIED TIMES, A MANUAL ON TIMER SWITCH SHALL ALLOW THE ERV TO RUN IF THE BUILDING IS IN UNOCCUPIED MODE.

SEE SPECS FOR ADDITIONAL INFORMATION.

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Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
WAYNE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
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AGENCY SUBMITTAL

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JOB NO. DGS 140724

SHEET TITLE

MECHANICAL CONTROLS

SHEET NO.

M7.01

ISSUE DATE: JULY , 2021

V3

0125

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.1, §110.3, §120.3, §150.0 and §150.1(c)8, and with requirements in §150.2 for additions and alterations.

Project Name:	DMV Delano	Report Page:	Page 1 of 5
Project Address:	Delano, CA	Date Prepared:	12-31-19

A. GENERAL INFORMATION

01	Project Location (city)	Delano	02	Climate Zone	13
03	Occupancy Types Within Project (select all that apply):				
☑ Nonresidential		☐ High-Rise Residential		☐ Hotel/ Motel	
☑ State Building		☐ Healthcare Facility		☐ Other (Write In):	

B. PROJECT SCOPE

Table Instructions: Include any domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5, §150.1(c)8, and §141.0(a), or §141.0(b)2N for additions or alterations. Solar water heating systems should be documented on the NRCC-SRA compliance document. Combined hydronic water heating systems should be documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☑ New System (DHW system being installed for the first time in newly constructed building)	Individual System (serving nonresidential spaces)[1]	☑ Equipment	☑ Distribution	☑ Controls
			Add New System	Remove Last
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls
			Add Alteration	Remove Last

[1] FOOTNOTE: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.
[2] Dwelling units refers to hotel/ motel guest rooms and units in a high-rise residential occupancy.

C. COMPLIANCE RESULTS

Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
(See Table F)	(See Table G)	(See Table H)	
Yes	Yes	Yes	**COMPLIES WITH EXCEPTIONAL CONDITIONS**

STATE OF CALIFORNIA
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Project Name:	DMV Delano	Report Page:	Page 2 of 5
Project Address:	Delano, CA	Date Prepared:	12-31-19

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Tables A and B indicate the project is a new State building. This requires 60% of energy for service water heating from site solar energy or recovered energy per §110.3(c)6.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

Table Instructions: Complete the following table to demonstrate compliance with mandatory equipment requirements in §110.1 and §110.3. For high-rise residential and hotel/ motel occupancies, compliance with prescriptive requirements in §150.1(c)8 must also be demonstrated and with §150.2 for addition and alteration scopes.

Equipment Schedule: Individual Systems

01	02	03	04	05	06
Name or Item Tag	Equipment Type	Volume (gal)	Max GPM/ First Hour Rating (FHR)	Rated Uniform Energy Factor (UEF)	Minimum Required Uniform Energy Factor (UEF)[1]
IWH-1, IWH-5	Electric Instantaneous (≤ 12kW)	1	1	0.99	0.91
			Reset	Add Row	Remove Last

[1] FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	○	○	◉	Unfired storage tank insulation shall have Internal + External ≥ R-16 OR External ≥ R-12. Label required per §110.3(c)3
19	◉	○	○	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per §110.3(c)5
20	◉	○	○	Isolation valves for instantaneous water heater with input rating > 6.8 kBTUH or 2 kW has been specified per §110.3(c)6

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

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CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	DMV Delano	Report Page:	Page 3 of 5
Project Address:	Delano, CA	Date Prepared:	12-31-19

Table Instructions: Complete the following table to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.3(c), §120.3, §150.0, §150.1.

Mandatory Pipe Insulation All Occupancies

12	☑	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per §120.3: - Recirculating system piping, including supply and return piping of the water heater - The first 8 ft of hot and cold outlet piping for a nonrecirculating storage system - Pipes that are externally heated
13	☑	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per §120.3(b) and §150.0(l)3

TABLE 120.3-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)		
			<1	1 to < 1.5	1.5 to < 4
			Minimum Insulation Required		
105-140	0.22-0.28	100	**1.0 in or R-7.7**	**1.5 in or R-12.5**	**1.5 in or R-11**

H. DOMESTIC HOT WATER SYSTEM CONTROLS

Table Instructions: Complete the following table to demonstrate compliance with controls requirements in §110.3 for all occupancies. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §150.1(c)8.

	Yes	No	Not Applicable	Requirement
01	◉	○	○	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per §110.3(a)
02	○	○	◉	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per §110.3(c)1 unless covered by California Plumbing Code Section 613.0.
03	○	○	◉	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless system serves healthcare facility.
04	○	○	◉	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per §150.1(c)8Bii, or §150.2 for additions or alterations
05	○	○	◉	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA 4.4.9 per §150.1(c)8.

Table Continued

STATE OF CALIFORNIA
Domestic Water Heating System
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CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	DMV Delano	Report Page:	Page 4 of 5
Project Address:	Delano, CA	Date Prepared:	12-31-19

Table Continued

06	○	○	◉	For replacement single heat pump water heaters serving individual dwelling units in climate zones 1-15, design includes communication interface that meets demand responsive control requirements of §110.12(a) per §150.2(b)1Hiii.

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉		NRCI-PLB-01-E - Must be submitted for all buildings	☐	☐
○	◉	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance.	☐	☐
○	◉	NRCI-PLB-03-E - Must be submitted for high-rise residential and hotel/ motel single dwelling unit hot water distribution systems to be recognized for compliance.	☐	☐

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to service water heating requirements.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
○	◉	NRCV-PLB-21-H High-rise Residential Central Hot Water Distribution HERS Verification	☐	☐
○	◉	NRCV-PLB-22-H High-rise Residential Individual Dwelling Unit Hot Water Distribution HERS Verification	☐	☐

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	DMV Delano	Report Page:	Page 5 of 5
Project Address:	Delano, CA	Date Prepared:	12-31-19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	GURPREET KAUR	Documentation Author Signature:	Kaur, Gurpreet
Company:	AECOM	Signature Date:	2/5/20
Address:	2020 L STREET, SACRAMENTO	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	SACRAMENTO, CA 95811	Phone:	9164145865

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Shane Russell, P.E.	Responsible Designer Signature:	Russell, Shane
Company :	AECOM	Date Signed:	7 Feb 2020
Address:	2020 L Street, Suite 400	License:	M33415
City/State/Zip:	Sacramento, CA 95811	Phone:	916-679-2203

IDENTIFICATION STAMP
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JOB NO. DGS 140724

SHEET TITLE

TITLE 24 SHEETS

SHEET NO.

P0.00

ISSUE DATE: JULY , 2020

V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

0126

PLUMBING GENERAL NOTES

NOTE #	DESCRIPTION
1.	INSTALL ALL WORK TO COMPLY WITH ALL LAWS, REGULATIONS, CODES, AND STANDARDS (FEDERAL, STATE, AND LOCAL), AS ADOPTED BY THE AGENCIES HAVING JURISDICTION, INCLUDING REASONABLY ANTICIPATED REVISIONS BASED ON EMERGING TRENDS IN BUILDING REGULATIONS. WHERE ANY OF THESE DIFFER, THE MOST STRINGENT SHALL APPLY.
2.	CONTRACT DOCUMENTS FOR MECHANICAL WORK ARE SCHEMATIC IN NATURE AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
3.	PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS, INCLUDE ALL NECESSARY AND APPLICABLE APPURTENANCES, WHETHER INDICATED OR NOT.
4.	ANY DEVIATIONS FROM THE BASIS OF DESIGN THAT REQUIRE ADDITIONAL PROVISIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5.	COORDINATE THE EXACT REQUIREMENTS AND LOCATION OF WORK WITH THE WORK OF OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION. PROVIDE ADDITIONAL OFFSETS AND SECTIONS IN DUCTWORK AND/OR PIPING REQUIRED TO MEET THE APPLICABLE JOB CONDITION REQUIREMENTS. VERIFY JOB SITE ELEVATIONS, DIMENSIONS, AND CONDITIONS, PRIOR TO FABRICATION OR INSTALLATION OF THE WORK. COORDINATE EXACT ROUTING OF DUCTWORK AND PIPING WITH OTHER TRADES SO THAT NO CONFLICTS OCCUR WITH DUCTWORK, PIPING, LIGHTS, STRUCTURE, ETC. PROVIDE ALL PERTINENT DATA CONCERNING THE LOCATION, DIMENSIONS, ETC., OF THE MECHANICAL EQUIPMENT THAT REQUIRES BASES, CURBS AND SUPPORTS TO THE APPROPRIATE TRADES.
6.	WHERE CEILINGS ARE INDICATED, ALL DUCTS AND PIPES SHALL BE RAN ABOVE CEILING. IN EXPOSED CONDITIONS, INSTALL DUCTWORK AND PIPING TIGHT TO THE BOTTOM OF STRUCTURE.
7.	ALL ITEMS THAT REQUIRE MAINTENANCE OR ADJUSTMENT MUST BE INSTALLED IN ACCESSIBLE LOCATIONS. PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR AS REQUIRED.
8.	ALL SEALS, BEARINGS, PACKINGS, AND ACCESSORIES FOR ALL EQUIPMENT AND PIPING SPECIALTIES SHALL BE SUITABLE FOR THE CONTINUOUS OPERATIONAL TEMPERATURES, PRESSURES AND CHARACTERISTICS, OF THE SYSTEM THEY SERVE.
9	PERFORM A COMPLETE AIR AND WATER SYSTEM FLOW BALANCE FOR ALL EQUIPMENT THAT IS SHOWN, SCHEDULED OR OTHERWISE IDENTIFIED, AT THE END OF CONSTRUCTION.
10.	INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND DIRECTION. PROVIDE STRAIGHT INLET AND OUTLET DUCTS/PIPES BASED ON MANUFACTURER'S RECOMMENDATIONS. IF IN CONFLICT WITH THE DESIGN INDICATED HEREIN, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
11.	COORDINATE THE EXACT LOCATIONS OF DIFFUSERS, GRILLES AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLANS, AREA SMOKE DETECTORS, SPRINKLERS, LIGHTS AND ELECTRICAL DEVICES. AIR DEVICES SHALL NOT BE WITHIN 3 FEET OF AN AREA SMOKE DETECTOR.
12.	UNLESS NOTED OTHERWISE, PROVIDE BRANCH DUCT TO DIFFUSERS SAME SIZE AS DIFFUSER NECK. FLEXIBLE DUCT CONNECTION TO THE DIFFUSER SHALL BE NO MORE THAN FIVE FEET IN LENGTH. ALL BRANCH DUCT TAKEOFFS TO AIR DEVICES SHALL HAVE A MANUAL BALANCING DAMPER INSTALLED IN AN ACCESSIBLE LOCATION.
13.	UNLESS NOTED OTHERWISE, MINIMUM PIPE SIZE SHALL BE 3/4 INCH AND MINIMUM FLOW SHALL BE 0.5 GPM.
14.	PROVIDE SHUT-OFF VALVES WITHIN ALL SUPPLY PIPING BRANCH TAKEOFFS FROM MAINS. PROVIDE A MANUAL BALANCE VALVE AND A SEPARATE SHUT-OFF VALVE WITHIN ALL RETURN PIPING BRANCH TAKE-OFFS FROM MAINS. LOCATE VALVES IN ACCESSIBLE LOCATIONS.
15.	INSTALL ALL PIPING IN LOCATIONS AND ELEVATIONS SUCH THAT COILS, TUBES, AND FILTERS CAN BE REMOVED AND REPLACED WITHOUT MAJOR PIPING REMOVAL. LOCATE VALVES IN APPROPRIATE PLACES TO ACCOMMODATE MAINTENANCE. FOR GRAVITY FLOW PIPING, ADEQUATE SLOPE SHALL BE PROVIDED.
16.	INSTALL TWO-WAY CONTROL VALVES ON ALL EQUIPMENT UNLESS NOTED OTHERWISE.
17.	AT TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE, AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE FOR PROTECTION TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM(S).
18.	INSTALLATION OF HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN ANY CFCS OR HALONS.
19.	ALL SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SYSTEMS, DEVICES SHALL BE FROM THE BUILDING STRUCTURE. SUPPORT FROM STRUCTURAL BRIDGING IS UNACCEPTABLE.
20.	INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER THAT WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION.
21.	CONTRACTOR IS RESPONSIBLE FOR DRAINING, FLUSHING, PURGING, AND FILLING ALL PIPING SYSTEMS AS REQUIRED. THESE SYSTEMS INCLUDE (BUT MAY NOT BE LIMITED TO): HEATING HOT WATER SYSTEMS, CHILLED WATER SYSTEMS, BUILDING STEAM SYSTEMS, ALL REQUIRED CHEMICAL TREATMENT SYSTEMS, CONDENSER WATER SYSTEMS (AND COOLING TOWER SUMPS), WATER-SOURCE HEAT PUMP LOOP SYSTEMS, GROUND-SOURCE HEAT PUMP LOOP SYSTEMS, AND MAKE-UP WATER CONNECTIONS.

PLUMBING EQUIPMENT ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AD	AREA DRAIN
S	SINK
DF	DRINKING FOUNTAIN
IWH	INSTANT WATER HEATER
EWH	ELECTRIC WATER HEATER
FD	FLOOR DRAIN
HB	HOSE BIBB
HS	HAND SINK
L	LAVATORY
MB	MOP BASIN
RD	ROOF DRAIN
MS	MOP/JANITOR SINK
TP	TRAP PRIMER
UR	URINAL
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR

*NOTE: DO NOT ADD TO THIS LIST. A FORMAL REQUEST TO CHANGE MUST BE SUBMITTED PRIOR TO ADDING ANY ABBREVIATIONS. IF THERE ARE MORE THAN 10 PIECES OF EQUIPEMNT, INCLUDE A '0' BEFORE THE NUMBER. I.E. 01, 02, 03, ..., 10, 11, 12, ...

*IF AN ABBREVIATION IS NOT ON THIS LIST, SPELL IT OUT ON THE DOCUMENTS.

PLUMBING SYSTEM ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A	COMPRESSED AIR (SHOP AIR)
AI	AIR INTAKE
AR	ARGON
AV	ACID VENT
AW	ACID WASTE
CD	CONDENSATE DRAIN
CO2	CARBON DIOXIDE
CW	COLD WATER
D	DRAIN
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DHWS	DOMESTIC HOT WATER SUPPLY
DI	DEIONIZED WATER
DS	DOWN SPOUT
DW	DISTILLED WATER
H2	HYDROGEN
HE	HELIUM
FOO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
G	NATURAL GAS
HW	HOT WATER
HWR	HOT WATER RETURN
ID	INDIRECT DRAIN
N2	NITROGEN
N2O	NITROUS OXIDE
NPW	NON POTABLE WATER
O2	OXYGEN
PD	PUMP DISCHARGE
PW	POTABLE WATER
RO	REVERSE OSMOSIS
ROR	REVERSE OSMOSIS RETURN
ROS	REVERSE OSMOSIS SUPPLY
SAN	SANITARY SEWER
SCW	SOFTENED COLD WATER
SST	SECONDARY STORM PIPING
ST	STORM PIPING
TW	TEPID WATER
TWR	TEPID WATER RETURN
TWS	TEPID WATER SUPPLY
V	VENT
VAC	VACUUM

*NOTE: DO NOT ADD TO THIS LIST. A FORMAL REQUEST TO CHANGE MUST BE SUBMITTED PRIOR TO ADDING ANY ABBREVIATIONS.

*IF AN ABBREVIATION IS NOT ON THIS LIST, SPELL IT OUT ON THE DOCUMENTS.

PLUMBING SYMBOLS

CW		COLD WATER
NG		NATURAL GAS
HW		HOT WATER
HWR		HOT WATER RECIRCULATING
WW	WW	WELL WATER
RW	RW	RECLAIM WATER
ICW	ICW	INDUSTRIAL (MUNICIPAL) COLD WATER
	S	SANITARY DRAIN PIPE (BELOW FLOOR/GRADE)
	V	SANITARY VENT PIPE
	S	STORM DRAIN PIPE
		NEEDLE VALVE
		GATE VALVE
		GLOBE VALVE
		SHUT-OFF VALVE
		CHECK VALVE (ARROW INDICATES DIRECTION OF FLOW)
BWV		BACKWATER VALVE
		BALL VALVE
		BUTTERFLY VALVE
BV		BALANCING VALVE
		PRESSURE REDUCING VALVE
		SOLENOID VALVE
OS&Y		OUTSIDE SCREW & YOKE VALVE
PRV		PRESSURE RELIEF VALVE
P&T RV		PRESSURE & TEMPERATURE RELIEF VALVE
		ARROW INDICATES DIRECTION OF FLOW
VB	VB	VACUUM BREAKER
RPZBP		REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY
		PIPE ELBOW UP, 90° OR 45°
DN		PIPE ELBOW DOWN, 90° OR 45°
		PIPE TEE UP
DN		PIPE TEE DOWN
CO	CO	CLEAN OUT
FCO	FCO	CLEANOUT AT FLOOR
HB / WH		HOSE BIBB (HB) OR WALL HYDRANT (WH)
		PRESSURE GAUGE
AD / FD / RD / FS	AD / FD / RD / FS	AREA / FLOOR / ROOF DRAIN / FLOOR SINK
CO	CO	CLEANOUT AT BASE OF STACK
WCO	WCO	WALL CLEANOUT
DIA	Ø	DIAMETER
		PIPE CAPPED
		PIPE UNION
WHA	'A'	WATER HAMMER ARRESTOR, 'A' DENOTES PDI SIZE

SHEET INDEX PLUMBING

Sheet Number	Sheet Name
P0.00	TITLE 24 SHEETS
P1.00	PLUMBING GENERAL NOTES
P1.01	DOMESTIC WATER & NATURAL GAS PLAN
P1.02	SANITARY SEWER PLAN
P1.03	ISOMETRIC PIPING
P5.01	PLUMBING DETAILS
P6.01	PLUMBING SCHEDULES

PIPE SIZING CALCULATION

(DOMESTIC WATER LINE)

(A)	STREET WATER PRESSURE:										HI	75	PSI
(A.1)	PER: FIRE FLOW TEST BY KERN COUNTY FIRE DEPARTMENT										LOW	68	PSI
	TEL: 661-862-8750							FLOW	76	GPM			
	DATE: 01-17-2020							ELEVATION	---	FT			
(B)	PRESS DROP THRU		2"	METER AT		76	GPM	FLOWING				2	PSI
(C)	PRESS DROP THRU		2"	RPBFP AT		76	GPM	FLOWING				11	PSI
(D)	PRESS DROP THRU		NA	STRAINER AT		76	GPM	FLOWING				0	PSI
(E)	PRESSURE DROP THRU WATER SOFTENING EQUIPMENT											0	PSI
(F)	PRESSURE LOSS FROM WATER MAIN POC TO:										BLDG		
(F.1)	383	FT.X	1.5	X	1.09	PSI/100FT.	WITH	2"	PIPE@	76	GPM	6.3	PSI
(F.2)	0	FT.X	1.5	X	0	PSI/100FT.	WITH		PIPE @		GPM	0	PSI
(G)	STATIC HEAD LOSS:	8.3				FT X 0.433						3.6	PSI
(H)	OTHERS											0	PSI
(I)	PRESSURE AVAILABLE AT BLDG POC:												
	(A.1)-(B)-(C)-(D)-E-(F.1)-(F.2)-(G)-(H) =											45.1	PSI
(J)	PRV SETTING											NA	PSI
(K)	PRESSURE DROP THRU		PRV WITH	76	GPM	FLOWING						0	PSI
(L)	AVAILABLE PRESSURE AT PRV OUTLET WITH			76	GPM	FLOWING						45.1	PSI

(M)	LESS: RESIDUAL PRESSURE FOR	WATER CLOSET		25	PSI
(N)	STATIC HEAD LOSS:	20	FT. X 0.433	8.7	PSI
(O)	OTHERS: 2" SUB-METER			0	PSI
(P)	OTHERS: BACKFLOW PREVENTER			0	PSI
(P.1)	OTHERS: WATER HEATER			0	PSI
(P.2)	OTHERS: THERMOSTATIC MIXING VALVE			0	PSI
(Q)	TOTAL PRESSURE LOSS = (M) + (N) + (O) + (P)			33.7	PSI

FRONT OF HOUSE

(R)	AVAILABLE PRESSURE FOR FRICTION LOSS = (L) - (Q)			11.5	PSI
(S)	ESTIMATED DEVELOPED LENGTH FROM BLDG POC				
(S.1)	HORIZONTAL RUN		255	FT	
(S.2)	VERTICAL RISE AND FALL		144	FT	
(S.3)	TOTAL PIPE LENGTH	(S.1) + (S.2)	399	FT	
(T)	EQUIVALENT LENGTH	(S.3) X 1.25	498.8	FT	
(U)	ALLOWABLE PIPE FRICTION LOSS IN PSI/100 FT. = [(R)X100)/(T)			2.30	PSI/100 FT

BACK OF HOUSE

(R)	AVAILABLE PRESSURE FOR FRICTION LOSS = (L) - (Q)			11.5	PSI
(S)	ESTIMATED DEVELOPED LENGTH FROM BLDG POC				
(S.1)	HORIZONTAL RUN		115	FT	
(S.2)	VERTICAL RISE AND FALL		135	FT	
(S.3)	TOTAL PIPE LENGTH	(S.1) + (S.2)	250	FT	
(T)	EQUIVALENT LENGTH	(S.3) X 1.25	312.5	FT	
(U)	ALLOWABLE PIPE FRICTION LOSS IN PSI/100 FT. = [(R)X100)/(T)			3.67	PSI/100 FT

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APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
IRENE E. RUBALCAVA
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

AECOM
CONSULTANT

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600 Q Street, Suite 100
Sacramento, CA 95811
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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

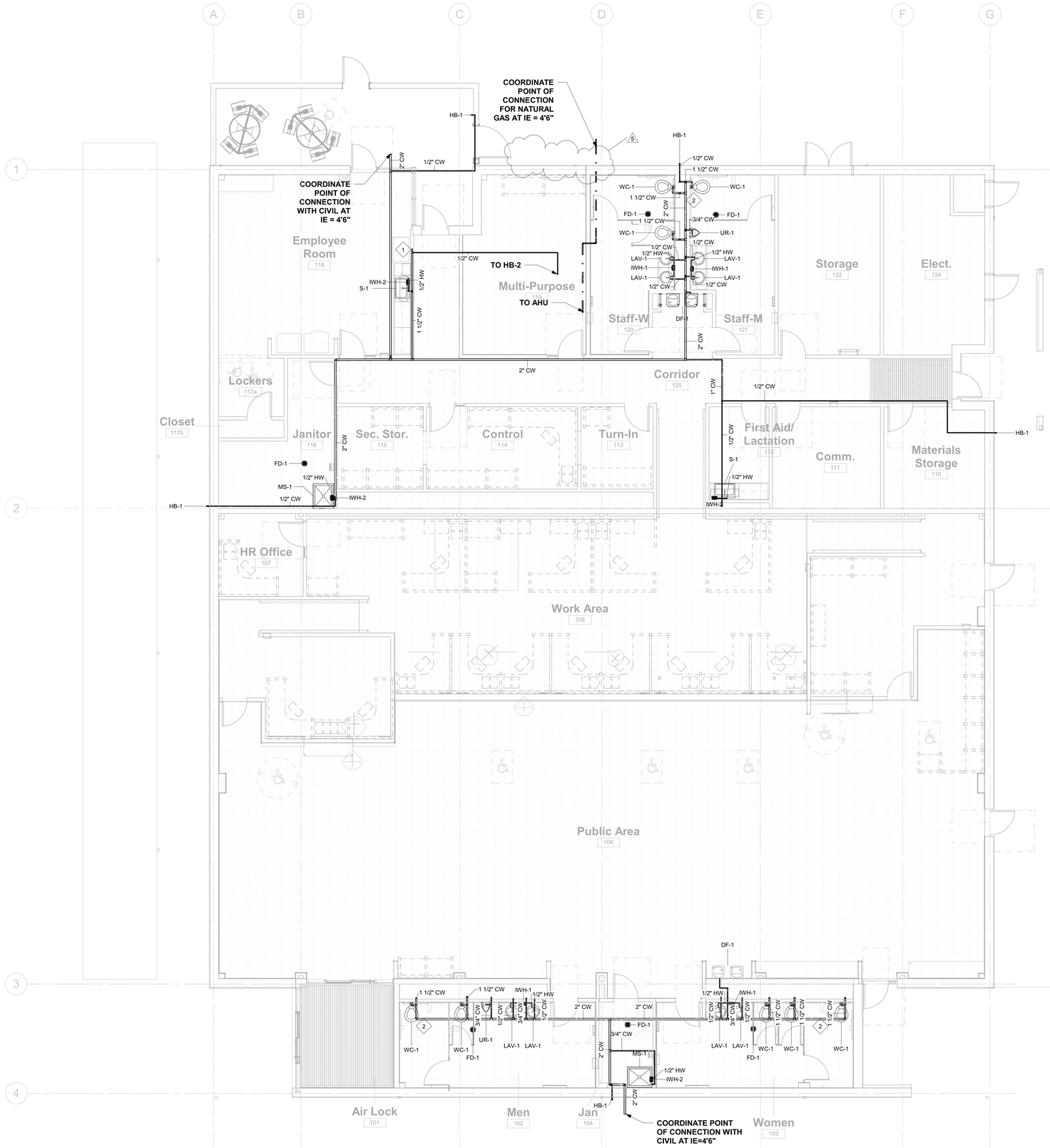
PLUMBING GENERAL NOTES

SHEET NO.

P1.00

ISSUE DATE: JULY , 2023 V3

ONE INCH = TWENTY FEET 0 5 10 20 40 60
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 6 8 2
ONE INCH = ONE FOOT 0 6 1
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1
ONE-HALF INCH = ONE FOOT 0 4



1 DOMESTIC WATER & NATURAL GAS PLAN
3/16" = 1'-0"

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1. CONNECTION FOR REFRIGERATOR. INSTALL PER MANUFACTURER IOM. FOR ADDITIONAL DETAILS SEE SHEET A10.00.
2. PROVIDE WATER HAMMER PER CPC 604.9.

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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES- DMV
DOVER PARKWAY, DELANO

CALIFORNIA DEPARTMENT OF GENERAL SERVICES

LOUIS ERNEST PROFESSIONAL ENGINEER
LOUIS E. RUSSELL
No. 33415
EXP. JUNE 2022
MECHANICAL
14 OCT 2021

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NO.	DESCRIPTION	DATE
5	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

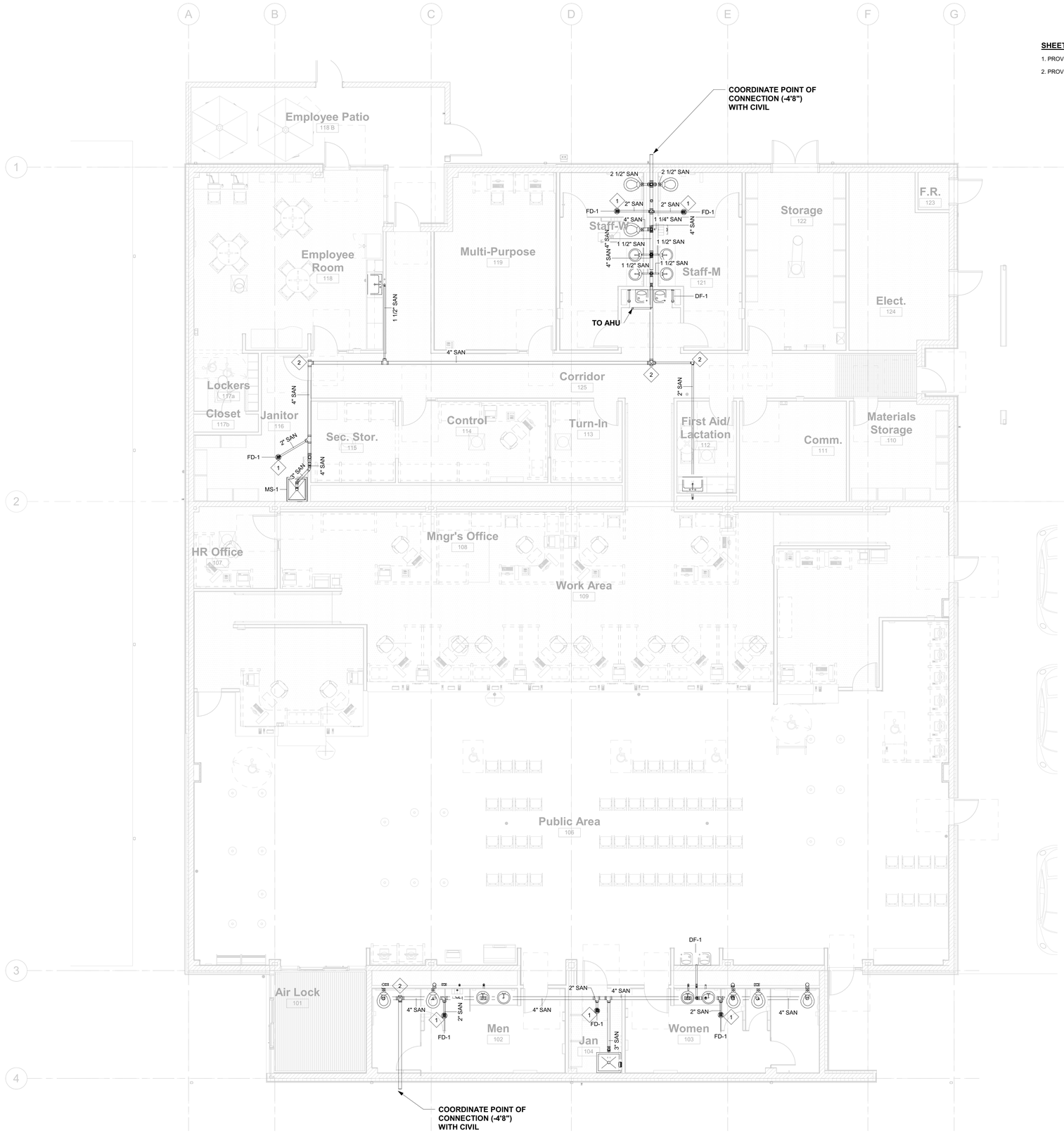
DOMESTIC WATER & NATURAL GAS PLAN

SHEET NO.

P1.01

ISSUE DATE: JULY 2023

0128



1 SANITARY SEWER PLAN
3/16" = 1'-0"

SHEET NOTE:

1. PROVIDE TRAP PRIMER AT ALL FLOOR DRAINS.
2. PROVIDE CLEANOUTS PER CPC 707.4.

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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

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3 APR 2020

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SHEET TITLE

SANITARY SEWER PLAN

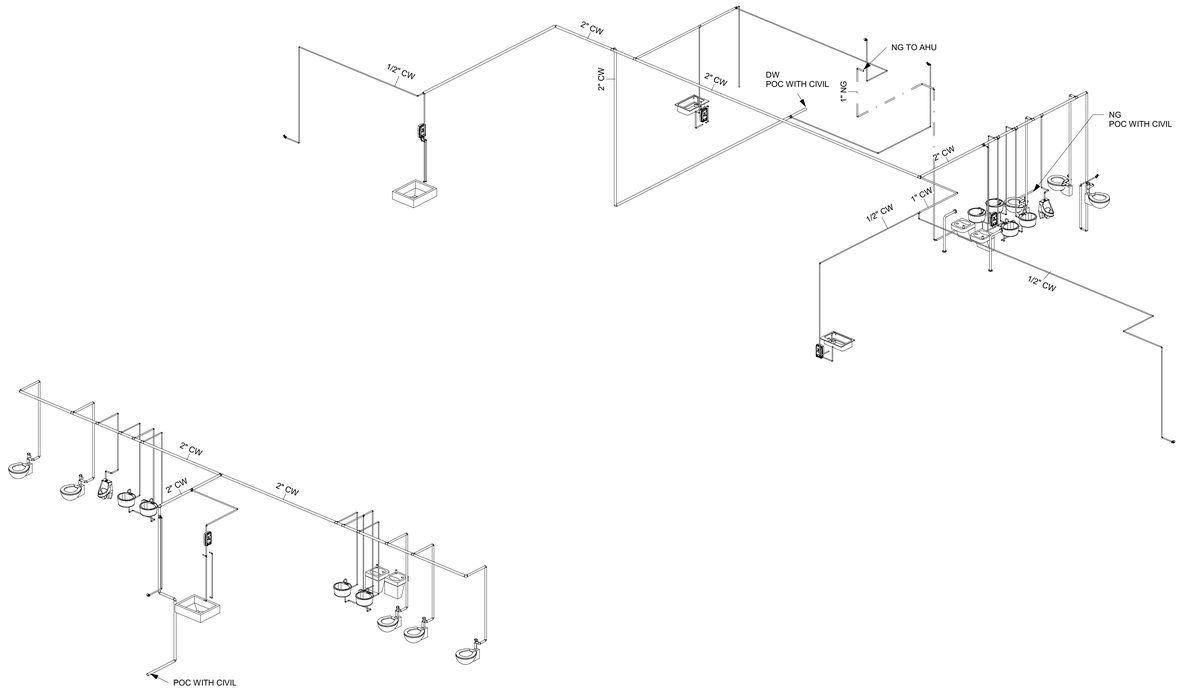
SHEET NO.

P1.02

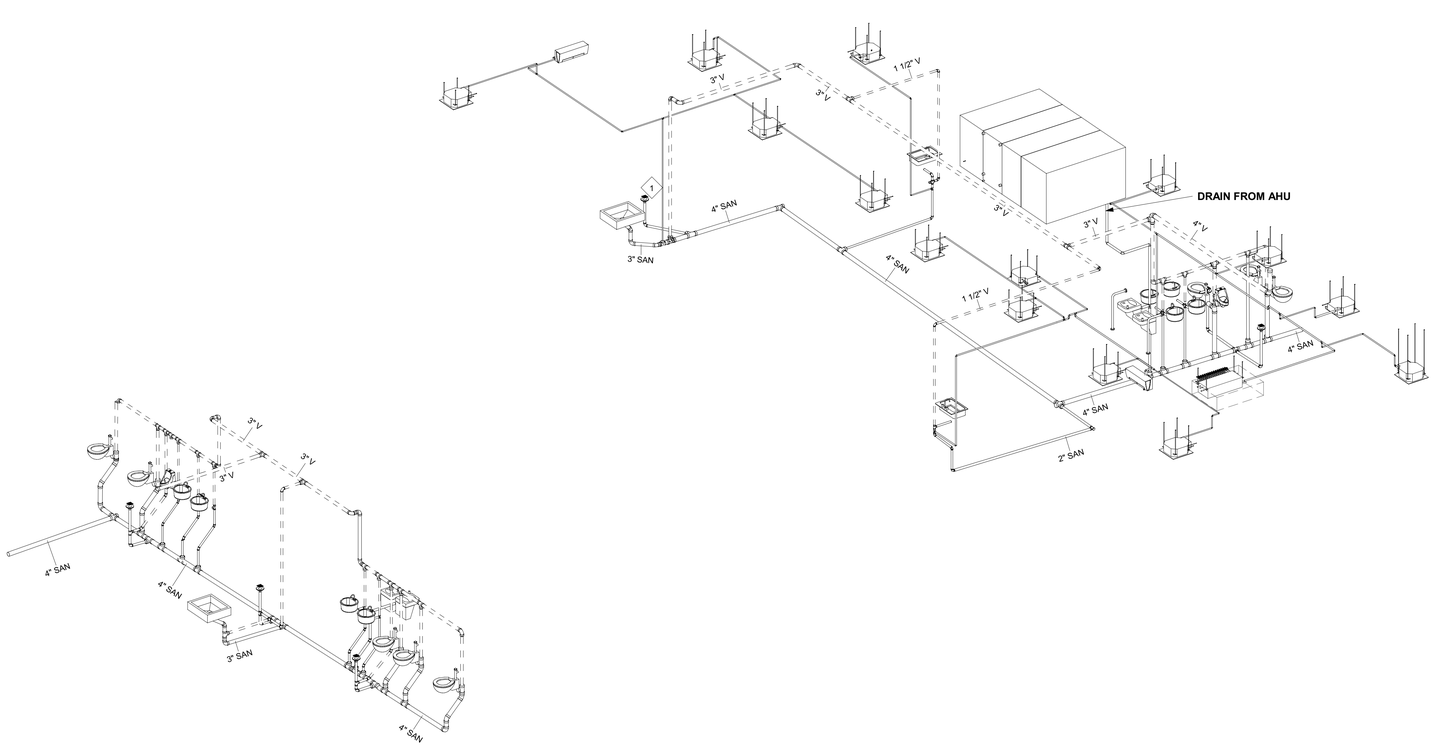
ISSUE DATE: JULY , 2021

V3

0129



1 ISOMETRIC DOMESTIC WATER AND NATURAL GAS PIPING



2 ISOMETRIC SANITARY, CONDENSATE AND VENT PIPING

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY

1 PROVIDE AIR GAP AND P-TRAP IN CONDENSATE LINE ABOVE LEVEL OF SEWER CONNECTION. PROVIDE 6"X6" ACCESS PANEL IN WALL TO SERVICE AIR GAP.

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SHEET TITLE

ISOMETRIC PIPING

SHEET NO.

P1.03

V3

ISSUE DATE: JULY , 2021

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
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ONE-QUARTER INCH = ONE FOOT 0 4 8
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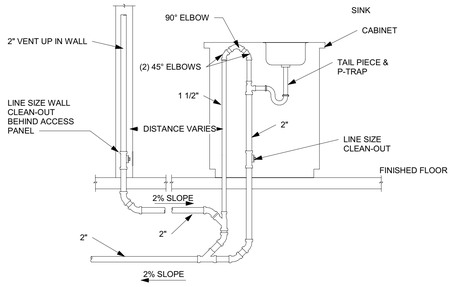
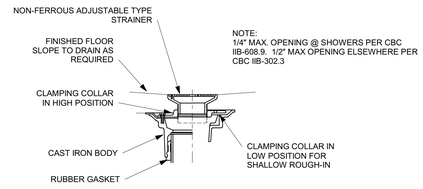
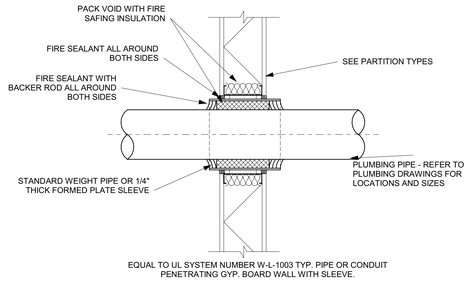
ONE INCH = ONE FOOT 0 6
ONE-HALF INCH = ONE FOOT 0 6 1



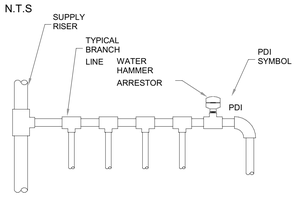
1 ISLAND VENT
N.T.S



2 FLOOR DRAIN
N.T.S



3 PIPE THRU WALL
N.T.S



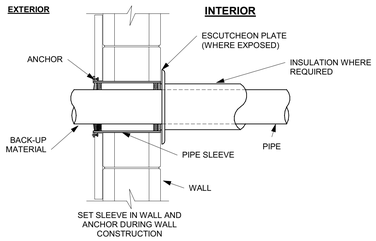
1. PREFERRED INSTALL WATER HAMMER ARRESTORS AT THE END OF BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED. THE

2. ONE WATER HAMMER ARRESTOR PER 20' LINE, AND ANOTHER FOR BRANCHES OVER 20' IN LENGTH.

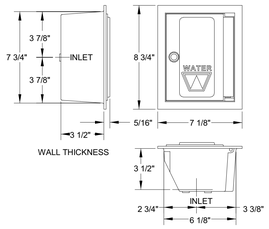
3. THE SUM OF FIXTURE UNIT RATING OF UNITS OVER 20' IN LENGTH SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.

WATER HAMMER ARRESTOR SCHEDULE						
PDI SYMBOL	A	B	C	D	E	F
FIXTURE UNIT RATING	1-11	12-32	33-60	61-113	114-154	155-330
CONNECTION SIZE	3/4"	3/4"	1"	1"	1"	1"

5 WATER HAMMER ARRESTOR
12" = 1'-0"

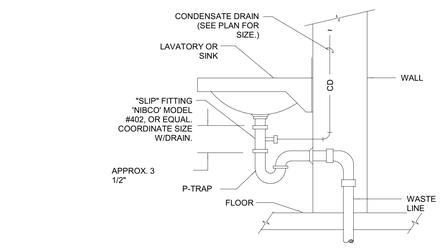


4 EXTERIOR PIPE THRU WALL
N.T.S

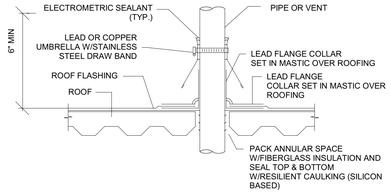


1. WOODFORD HOSE BIB VACCUM BREAKER - ANTI SIPHON, WITH WALL BOX AND LOCK

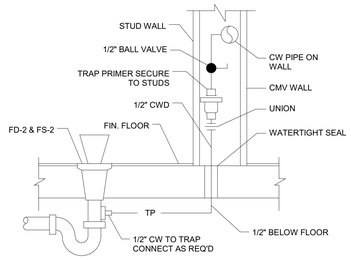
6 HOSE BIB HOUSING
N.T.S



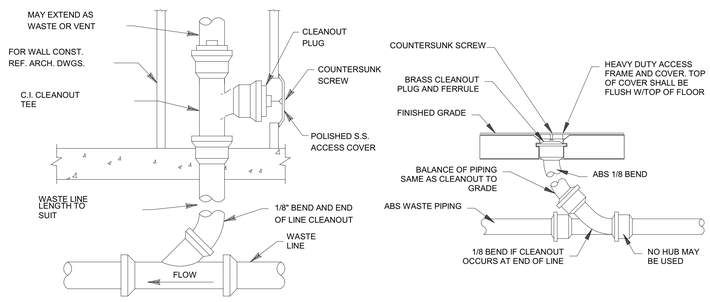
7 CONDENSATE TO LAV DRAIN PIPE
N.T.S



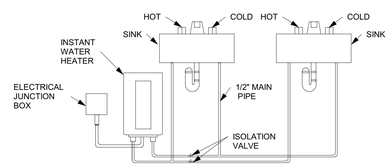
8 VENT THROUGH ROOF
N.T.S



9 TRAP PRIMER TO FLOOR DRAIN
N.T.S



12 CLEANOUT
N.T.S



11 INSTANT WATER LAYOUT
N.T.S

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AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY

12/07/21
20-1059

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SFM APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES- DMV

DOVER PARKWAY, DELANO

CALIFORNIA DEPARTMENT OF GENERAL SERVICES

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES — CHARLIE E. ROSSER — No. 33415 — EXP. JUNE 2022 — MECHANICAL — REGISTERED PROFESSIONAL ENGINEER

15 OCT 2021

CONSULTANT

AECOM

nacht&lewis

600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
5	CITY PLAN CHECK	09/15/21

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

PLUMBING DETAILS

SHEET NO.

P5.01

ISSUE DATE: JULY2023

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

0131

ONE-HALF INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-SIXTEENTH INCH = ONE FOOT ONE INCH = TWENTY FEET

PLUMBING - FIXTURE SCHEDULE

TAG	DESCRIPTION	QUANTITY	FIXTURE		TRIM		CW	HW	TRAP	WASTE	VENT	NOTES
			MANUFACTURER	MODEL	MANUFACTURER	MODEL						
DF-1	HI-LO BARRIER-FREE DUAL WALL MOUNT FOUNTAIN	2	HAWS CO.	1119	-	-	1/2"	-	1 1/2"	1 1/2"	1 1/2"	
FD-1	FLOOR DRAIN, DURA-COATED CAST IRON BODY WITH INTEGRAL TRAP, SIDE OUTLET, SEEPAGE PAN, AND ADJUSTABLE "TYPE B" STRAINER	6	ZURN	ZN450B	-	-		-	2"	2"	1 1/2"	
HB-1	HOSE VALVE VACCUM BREAKER - ANTI-SIPHON	5	WOODFORD	B24	-	-	1/2"	-	-	-	-	INCLUDE WALL BOX WITH LOCK
HB-2	HOSE VALVE VACCUM BREAKER - ANTI-SIPHON	1	WOODFORD	24	-	-	1/2"	-	-	-	-	
LAV-1	KOHLER CAMBER UNDER-MOUNT SINK K-2394, WHITE VITREOUS CHINA, UNDERMOUNT, ADA COMPLIANT, SINGLE HOLE, 0.5 GPM	8	KOHLER	CAMBER	AMERICAN STANDARD	702B.205	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	
MS-1	28" X 28" CORNER FLOOR SINK 8 IN. HIGH FRONT CURB, ENAMELED CAST IRON WITH EXPOSED YOKE WALL MOUNT UTILITY 1.5 GPM FAUCET	2	ZURN	Z5850	AMERICAN STANDARD	8344.012.002	1/2"	1/2"	3"	3"	1 1/2"	
S-1	33"X22"X9-5/16" TOP-MOUNTED SINGLE BOWL STAINLESS STEEL KITCHEN SINK WITH PULL DOWN SELECTRONIC HANDS FREE HARD WIRED KITCHEN FAUCET WITH 1.5 GPM	2	KOHLER	K-20060-3-NA	AMERICAN STANDARD	4931.380	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	
UR-1	WHITE HIGH-EFFICIENCY, TOP SPUD URNINAL, HARD WIRED BASE MODEL WITH 0.125 GPF	2	KOHLER	5016-ET	AMERICAN STANDARD	606B013	3/4"	-	1 1/2"	1 1/2"	1 1/2"	
WC-1	KINGSTON 1.28 TOILET BOWL WITH TOP SPUD, HARD WIRED AC POWER BASE MODEL WITH 1.1 GPF FLUSH VALVE	8	KOHLER	K-4325	AMERICAN STANDARD	606B111	1 1/2"	-	3"	3"	1 1/2"	

INSTANT WATER HEATER

TAG	MANUFACTURERE	MODELS	COUNT	kW	VOLTAGE (V)/ PHASE	MIN FLOW (GPM)	LOCATION	WEIGHT (LBS)
IWH-1	STIEBEL-ELTRON	DHC - E 8/10	1	7.2	208/1	0.264	ROOM 103	5.9
IWH-1	STIEBEL-ELTRON	DHC - E 8/10	1	7.2	208/1	0.264	ROOM 102	5.9
IWH-1	STIEBEL-ELTRON	DHC - E 8/10	1	7.2	208/1	0.264	ROOM 120	5.9
IWH-1	STIEBEL-ELTRON	DHC - E 8/10	1	7.2	208/1	0.264	ROOM 121	5.9
IWH-2	STIEBEL-ELTRON	DHC - E 12	1	7.2	208/1	0.264	ROOM 104	5.9
IWH-2	STIEBEL-ELTRON	DHC - E 12	1	7.2	208/1	0.264	ROOM 112	5.9
IWH-2	STIEBEL-ELTRON	DHC - E 12	1	7.2	208/1	0.264	ROOM 116	5.9
IWH-2	STIEBEL-ELTRON	DHC - E 12	1	7.2	208/1	0.264	ROOM 118	5.9

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
WAYNE E. RUSSELL
No. 33415
EXP. JUNE 2020
MECHANICAL
STATE OF CALIFORNIA
3 APR 2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

PLUMBING SCHEDULES

SHEET NO.

P6.01

ISSUE DATE: JULY , 2021

V3

0132

ABBREVIATIONS:

#	NUMBER
AC	ALTERNATING CURRENT
ADN	AREA DISTRIBUTION NODE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLER UNIT
AIC	AMPS INTERRUPTING CURRENT
ALIS	AUTONOMIC LOGISTICS INFORMATION SYSTEM
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CONDUIT
CEC	CALIFORNIA ELECTRICAL CODE
CCTV	CLOSED CIRCUIT TELEVISION
CAT	CATEGORY
CH	CHILLER
CHWP	CHILLED WATER PUMP
CKT	CIRCUIT
CO	CONDUIT ONLY
COMM	COMMUNICATIONS (TELECOMM)
CRAC	COMPUTER ROOM AIR CONDITIONER
CRI	COLOR RENDITION INDEX
CT	CONDENSER TOWER
CT	CURRENT TRANSFORMER
CU	COPPER
CWP	CONDENSER WATER PUMP
DC	DIRECT CURRENT
DISC	DISCONNECT
(E)	EXISTING
ECC	EMERGENCY COMMUNICATIONS CENTER
EF	EXHAUST FAN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EUG	ELECTRICAL UNDERGROUND
EVAC	FIRE ALARM EVACUATION CONTROL
EVC	EVAPORATIVE COOLER
(F)	FUTURE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINATION CABINET
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METAL CONDUIT
FLMC	LIQUIDTIGHT METALLIC CONDUIT
FO	FIBER OPTIC
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
HP	HORSE POWER
HID	HIGH INTENSITY DISCHARGE
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HWP	HOT WATER PUMP
IDF	INTERMEDIATE DISTRIBUTION FRAME
IES	INTERNATIONAL ELECTROTECHNICAL STANDARDS
IG	ISOLATED GROUND
INF	INFORMATION
ISP	INSIDE PLANT
ITE	INFORMATION TECHNOLOGY EQUIPMENT
JB	JUNCTION BOX
KVA	KILOVOLT AMPS
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LV	LOW VOLTAGE
MC	METAL CLAD
MDC	MODULAR DATA CENTER
MDP	MAIN DISTRIBUTION PANEL
MDP	MODULAR DEVICE PANEL
MM	MILLIMETER
MTD	MOUNTED
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N.I.E.S.	NOT IN ELECTRICAL SCOPE
NIPR	NON-CLASSIFIED INFORMATION PROTOCOL ROUTER
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OTS ∅	OPEN TO STRUCTURE
PH,	PHASE
PA	PUBLIC ADDRESS SYSTEM
PB	PULL BOX
PDU	POWER DISTRIBUTION UNIT
POP	POST OFFICE PROTOCOL
(R)	REMOVE
RAH	RETURN AIR HANDLER
RF	RADIO FREQUENCY
RFP	REQUEST FOR PROPOSAL
RM	ROOM
RNG	RANDOM NUMBER GENERATOR
RSC	RIGID STEEL CONDUIT
SAH	SUPPLY AIR HANDLER
SAN	STORAGE AREA NETWORK
SEC	SECURITY
SCE	SOUTHERN CALIFORNIA EDISON (UTILITY COMPANY)
SF	SUPPLY FAN
SFD	SMOKE/FIRE DAMPER
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
TEL	TELEPHONE
THRU	THROUGH
TMGB	TELECOM MAIN GROUND BUS
TTB	TELECOM TERMINAL BOARD
TX	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UFC	UNIFORM FIRE CODE
UFER	A CONCRETE ENCASED GROUND ELECTRODE METHOD
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLTAMPERES
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSIONPROOF

GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAME LIST.
2. THE ELECTRICAL SPECIFICATIONS ARE AN INTEGRAL PART OF THE ELECTRICAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL INFORMATION PROVIDED IN BOTH THESE DRAWINGS AND THE ASSOCIATED ELECTRICAL SPECIFICATIONS PRIOR TO PREPARING A BID FOR THE ELECTRICAL WORK AND SHALL AFFIRM HAVING DONE SO BY THE SUBMISSION OF A BID FOR STATED WORK.
3. FURNISH AND INSTALL ALL NECESSARY LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO INSTALL COMPLETE AND OPERATIONAL ELECTRICAL SYSTEMS ACCORDING TO THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS WHETHER ITEMIZED OR NOT.
4. REFER TO THE MECHANICAL DRAWINGS FOR EQUIPMENT AND PROVIDE STARTERS, CIRCUIT BREAKERS,SWITCHES, PUSH BUTTONS AND AUXILIARY DEVICES AS REQUIRED. MAKE ALL ELECTRICAL CONNECTIONS TO PLACE THE EQUIPMENT IN COMPLETE OPERATION.
5. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING AND LOCAL CONDITIONS PRIOR TO THE BEGINNING OF ANY WORK. CONTRACTOR SHALL HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS PROPOSAL. INSPECTING PREVIOUSLY INSTALLED WORK IN ANTICIPATION OF SUBSEQUENT WORK. FAILURE TO VISIT THE SITE SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY.
6. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND THE LOCATION OF THE ELECTRICAL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT.
7. IN THE EVENT OF DISCREPANCIES BETWEEN SPECIFICATIONS AND THE DRAWINGS, THE ELECTRICAL CONTRACTOR SHALL BID NEW CONDITIONS, WIRES AND NECESSARY EQUIPMENT IN ORDER TO COMPLETE THE JOB AND PROVIDE A FULLY OPERABLE AND ACCEPTABLE SYSTEM. EXTRAS WILL NOT BE ALLOWED FOR WORK NOT INDICATED OR NOTED ON THE DRAWINGS.
8. ELECTRICAL WORK SHALL COMPLY WITH THE 2019 EDITIONS OF THE CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE DGS STANDARDS.
9. FIRE SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH FIRE BARRIERS WITH AN APPROVED FIRE SEALANT EQUAL TO THE RATING OF THE SURFACE PENETRATED. FIRE SEAL INSIDE OF CONDUIT AFTER CONDUCTOR INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED FLOORS AND WALLS.
10. RETURN TO OWNER, AT THEIR DISCRETION, ALL UNUSED ELECTRICAL EQUIPMENT (I.E. FIXTURES, PANELS, ETC).
11. THE TELECOMMUNICATIONS SPECIFICATIONS ARE AN INTEGRAL PART OF THE TELECOMMUNICATIONS CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL INFORMATION PROVIDED IN BOTH THESE DRAWINGS AND THE ASSOCIATED TELECOMMUNICATIONS SPECIFICATIONS PRIOR TO PREPARING A BID FOR THE TELECOMMUNICATIONS WORK AND SHALL AFFIRM HAVING DONE SO BY THE SUBMISSION OF A BID FOR STATED WORK.
12. PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO INSTALL COMPLETE AND OPERATIONAL TELECOMMUNICATIONS SYSTEMS ACCORDING TO THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS WHETHER ITEMIZED OR NOT.
13. TELECOMMUNICATIONS WORK SHALL COMPLY WITH THE LATEST ENACTED EDITIONS OF BICSI STANDARDS.
14. FOR TELECOMMUNICATIONS PATCH PANELS AND FACEPLATES LABELING ADHERE TO THE DEPOT STANDARD.

ELECTRICAL LEGEND:

- 2' x 2' LED FIXTURE. SHADING INDICATES EMERGENCY FIXTURES ON INVERTER POWER.
- LINEAR LED FIXTURE. SHADING INDICATES EMERGENCY FIXTURES ON INVERTER POWER.
- WALL MOUNTED LED EXTERIOR LIGHT FIXTURE.
- EXIT SIGN W/TH DIRECTIONAL ARROWS AS INDICATED, CEILING MOUNTING. SHADING INDICATES FACE DIRECTION.
- DOWNLIGHT LED FIXTURE. SHADING INDICATES EMERGENCY FIXTURES ON INVERTER POWER.
- LV — LOW VOLTAGE ZONE ON/OFF SWITCH MOUNTED AT 42" AFF.
- LVD — LOW VOLTAGE ZONE RAISE/LOWER AND ON/OFF DIMMER SWITCH MOUNTED AT 42" AFF.
- SINGLE POLE WALL SWITCH MOUNTED AT 42" AFF.
- D (OC) — WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR AND DIMMING CONTROL
- (OC) — LOW VOLTAGE CEILING MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. DEVICE TO BE CAPABLE OF BOTH OCCUPANCY AND VACANCY. DEVICE TO BE SET TO OCCUPANCY. VERIFY LAYOUT WITH MANUFACTURER SPACING REQUIREMENTS.
- (PC) — LOW VOLTAGE CEILING MOUNTED PHOTOCELL VERIFY LAYOUT WITH MANUFACTURER. p1 - SKYLIT DAYLIT ZONE p1 - PRIMARY SIDELIT DAYLIT ZONE s2 - SECONDARY SIDELIT DAYLIT ZONE
- J — JUNCTION BOX, SIZE & TYPE AS INDICATED OR AS REQUIRED
- NEMA 6-30 R OUTLET
- 20 AMP 125V 3W DUPLEX RECEPTACLE, @ +18" UON
- IG — 20 AMP 125V 3W DUPLEX RECEPTACLE, WITH IG (ISO GND)
- 20 AMP 125V 3W DUPLEX RECEPTACLE WITH AFCI (ARC FAULT CIRCUIT INTERRUPTER) TYPE, @ +18" UON
- 20 AMP 125V QUAD RECEPTACLE WITH AFCI (ARC FAULT CIRCUIT INTERRUPTER) TYPE, @ +18" UON
- 20 AMP 125V QUAD RECEPTACLE, @ +18" UON
- FLUSH FLOOR BOX SERVICE FOR POWER AND TELECOM. SEE ALSO ASSOCIATED COMM & SECURITY PLAN DRAWING
- FLUSH FLOOR BOX SERVICE FOR POWER AND TELECOM. PROVIDE WITH HALF SWITCHED (CONTROLLED) QUAD REPECTACLE
- G — 20 AMP 120V DUPLEX RECEPTACLE, WITH GFCI, @ +18" UON
- G/WP — 20 AMP 120V DUPLEX RECEPTACLE, WEATHER-PROOF WITH GFCI, @ +18" UON
- RETRACTABLE CORD REEL WITH DUPLEX POWER RECEPTACLE
- COMBINATION BREAKER/STARTER, SIZE PER UNIT LABEL
- NON-FUSED DISCONNECT SWITCH, SIZE PER UNIT LABEL
- FUSED DISCONNECT SWITCH, SIZE PER UNIT LABEL
- EQUIPMENT STARTER, SIZE PER UNIT LABEL
- HALF CONTROLLED DUPLEX RECEPTACLE, @ +18" UON
- HALF CONTROLLED QUAD RECEPTACLE, @ +18" UON
- HALF CONTROLLED DOUBLE DUPLEX FLOOR BOX WITH FLUSH MOUNTED DEVICE
- EV — ELECTRIC VEHICLE CHARGING CONNECTION POINT
- M — MOTOR RATED SWITCH
- WALL STANDARD COMMUNICATION OUTLET
- FLOOR STANDARD COMMUNICATION OUTLET
- TELEVISION OUTLET
- J WAP — WIRELESS COMMUNICATION OUTLET
- BASKET CABLE TRAY
- LADDER TYPE CABLE TRAY
- FIRE ALARM STROBE
- FIRE ALARM STROBE WITH HORN
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- PS — PULL STATION
- PUSH BUTTON SWITCH
- MOTOR, N.I.E.S. CONNECT AS REQUIRED, NUMBER INDICATES HP
- PANELBOARD - SURFACE MOUNTED - SEE SCHEDULE
- PANELBOARD - FLUSH MOUNTED - SEE SCHEDULE
- MAIN SWITCHBOARD OR MOTOR CONTROL CENTER, SEE ONE LINE DIAGRAM
- CONDUIT CONCEALED IN CEILING OR WALL. BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES #12 AWG WIRE CIRCUIT AND 3/4" CONDUIT. ALL CONDUITS AND RACEWAY MUST HAVE AINSULATED GROUND WIRE SIZED PER NEC 250.122.
- WIRE 'TICK MARKS' INDICATE: 2 #12 AWG + 1 #12 NEUTRAL + GND, UON. (GROUND WIRE NOT SHOWN, BUT REQUIRED FOR ALL CIRCUITS)
- HOMERUN TO RESPECTIVE PANEL OR TERMINAL CABINET - OVERHEAD
- HOMERUN TO RESPECTIVE PANEL OR TERMINAL CABINET - UNDERGROUND
- CONDUIT RISER - UP
- CONDUIT RISER - DOWN
- FLEXIBLE CONDUIT CONECTION
- CONDUIT RUN CONCEALED BELOW FLOOR OR FINISHED GRADE BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES #12 AWG WIRE CIRCUIT AND 3/4" CONDUIT. ALL CONDUITS AND RACEWAY MUST HAVE AN INSULATED GROUND WIRE SIZED PER NEC 250.122.
- EF-1 — INDICATES MECHANICAL, EQUIPMENT DESIGNATION TAG.SEE MECHANNICAL SCHEDULES FOR ADDITIONAL INFO. (EXAMPLE: EF-1 = EXHAUST FAN, - UNIT NO. 1)
- A / EC-1 — SECTION DESIGNATION; TOP LETTER INDICATES SECTION, BOTTOM LETTER/NUMBER INDICATES SHEET
- 2 / EC-1 — DETAIL DESIGNATION; TOP NUMBER INDICATES DETAIL, BOTTOM LETTER/NUMBER INDICATES SHEET
- CALL OUT SHEET NOTE REFERENCE TAG
- GROUND ROD
- TESTING GROUND WELL WITH GROUND ROD
- EXOTHERMIC WELD CONNECTION
- TRANSFORMER, MOUNTING AS NOTED

SINGLE LINE LEGEND:

- 60B — INDICATES ELECTRICAL FEEDER SIZE. REFER TO FEEDER SCHEDULE.
- 3 — XXAF / XXAT — CIRCUIT BREAKER. AMP SIZE AND POLES, AS INDICATED
- CURRENT TRANSFORMER
- CIRCUIT SWITCH, SINGLE BREAK
- FUSED BREAKER
- TERMINAL(S)
- DIESEL GENERATOR
- AUTOMATIC TRANSFER SWITCH
- DM — ELECTRICAL METER WITH CURRENT TRANSFORMERS
- POTENTIAL TRANSFORMER
- FUSE
- VOLTAGE TRANSFORMER
- EARTH GROUND
- FEEDER
- EXISTING UNDERGROUND CONDUIT

NOTE:
SYMBOLS INDICATED ABOVE MAY NOT NECESSARILY APPEAR AS PART OF THESE DRAWINGS IF NOT REQUIRED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER — SIGEA CULBERTSON — E22311 — ELECTRICAL — STATE OF CALIFORNIA
04-08-2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

ELECTRICAL LEGEND, NOTES AND ABBREVIATIONS

SHEET NO.

E0.01

ISSUE DATE: JULY , 2023 V3

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
ONE-HALF INCH = ONE FOOT 0 6
THREE-QUARTERS INCH = ONE FOOT 0 6 2
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1

0133

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.	
Project Name: DMV Delano	Report Page: Page 1 of 9
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared: 3/30/2020

A. GENERAL INFORMATION

01	Project Location (city)	Delano	04	Total Conditioned Floor Area (ft²)	
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	

☑ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☐ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☑ New Lighting System	Area Category	9,679		
☐ Altered Lighting System				
Total Area of Work (ft²):	**9,679**			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.

	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05		06	07	08			09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments PAF Control Credits §140.6(a)2 (-)	**Total Adjusted** (Watts) *Includes Adjustments			**05 Must be ≥ 08** §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)				
Conditioned:		5,499.4			**5,499.4**	≥	4,512.12		**4,512.12**	=		**COMPLIES**
Unconditioned:						=				=		

Table Continued

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: DMV Delano	Report Page: Page 2 of 9
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared: 3/30/2020

Controls Compliance (See Table H for Details)	**COMPLIES with Exceptional Conditions**
Rated Power Reduction Compliance (See Table Q for Details)	**Not Applicable**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H Indoor Lighting Controls Permit Applicant Notes:
JAN 104: EXCEPTION 1 to Section 130.1(b): An area enclosed by ceiling height partitions that has only one luminaire with no more than two lamps.
CLOSET 117b: EXCEPTION 1 to Section 130.1(b): An area enclosed by ceiling height partitions that has only one luminaire with no more than two lamps.
F.R. 123: EXCEPTION 1 to Section 130.1(b): An area enclosed by ceiling height partitions that has only one luminaire with no more than two lamps.
ELECT 124: EXCEPTION 4 to Section 130.1(c)1: Electrical equipment rooms subject to Article 110.26(D) of the California Electrical Code.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector Pass	Fail
DL-1	6" RECESSED LED DOWN LIGHT	☐	☐	10.44	Mfr. Spec[2]	38	☐	396.72	☐	☐
DL-3	REGRESSED LUMINAIRE FOR EYE CRE	☐	☐	10	Mfr. Spec[2]	6	☐	60	☐	☐
RS-1A	2'X2' BACKLIT TROFFER LIGHT FIXTU	☐	☐	42	Mfr. Spec[2]	8	☐	336	☐	☐
RS-1B	2'X2' BACKLIT TROFFER LIGHT FIXTU	☐	☐	21	Mfr. Spec[2]	38	☐	798	☐	☐
SL-1A	SUSPENDED LINEAR FIXTURE	☐	☐	66	Mfr. Spec[2]	15	☐	990	☐	☐
SL-1B	SUSPENDED LINEAR FIXTURE	☐	☐	46.7	Mfr. Spec[2]	2	☐	93.4	☐	☐
SL-1C	SUSPENDED LINEAR FIXTURE	☐	☐	93	Mfr. Spec[2]	10	☐	930	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: DMV Delano	Report Page: Page 3 of 9
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared: 3/30/2020

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector Pass	Fail
SL-2	SUSPENDED LED STRIPLIGHT	☐	☐	34	Mfr. Spec[2]	8	☐	272	☐	☐
SL-3	SUSPENDED LED STRIPLIGHT	☐	☐	52	Mfr. Spec[2]	10	☐	520	☐	☐
WM-1	WALL MOUNTED LINEAR FIXTURE	☐	☐	29	Mfr. Spec[2]	4	☐	116	☐	☐
					Total Designed Watts CONDITIONED SPACES:			**4,512.12**		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
		Field Inspector	
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	Pass	Fail
Not Required ≤ 10,000 SF	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
								Field Inspector	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Pass	Fail
AIR LOCK 101	Main Entry Lobby	Manual ON/ OFF	Dimmer	EMCS	NA	NA	☐	☐	☐

STATE OF CALIFORNIA
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MEN 102	Restroom	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
WOMEN 103	Restroom	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
JAN 104	All Other Space Types	Manual ON/ OFF	Exempt*	Vacancy	NA	NA	☐	☐	☐	
PUBLIC AREA 106	Audience Seating Area	Manual ON/ OFF	Dimmer	EMCS	Included	NA	☐	☐	☐	
HR OFFICE 107	Office (≤ 250 square feet)	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
MANAGER'S OFFICE 108	Office (open)	Manual ON/ OFF	Dimmer	EMCS	Included	NA	☐	☐	☐	
WORK AREA 109	Office (open)	Manual ON/ OFF	Dimmer	EMCS	Included	NA	☐	☐	☐	
MATERIAL STORAGE 110	Commercial and Industrial Storage	Manual ON/ OFF	Dimmer	Vacancy	NA	NA	☐	☐	☐	
COMM. 111	Convention, Conference, Multipurpose, and Meeting Center	Manual ON/ OFF	Dimmer	Vacancy	NA	NA	☐	☐	☐	
FIRST AID/LACTATION 112	Convention, Conference, Multipurpose, and Meeting Center	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
TURN-IN 113	Convention, Conference, Multipurpose, and Meeting Center	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
CONTROL 114	Convention, Conference, Multipurpose, and Meeting Center	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
SEC. STOR. 115	Commercial and Industrial Storage	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
JANITOR 116	All Other Space Types	Manual ON/ OFF	Dimmer	Vacancy	NA	NA	☐	☐	☐	
LOCKERS 117a	Locker/Dressing Room	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
CLOSET 117b	Commercial and Industrial Warehouse	Manual ON/ OFF	Exempt*	Vacancy	NA	NA	☐	☐	☐	

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EMPLOYEE ROOM 118	Convention, Conference, Multipurpose, and Meeting Center	Manual ON/ OFF	Dimmer	Vacancy	Included	Included	☐	☐	☐	
MULTI-PURPOSE 119	Convention, Conference, Multipurpose, and Meeting Center	Manual ON/ OFF	Dimmer	Vacancy	Included	Included	☐	☐	☐	
STAFF-W 120	Restroom	Manual ON/ OFF	Dimmer	Vacancy	Included	Included	☐	☐	☐	
STAFF-M 121	Restroom	Manual ON/ OFF	Dimmer	Vacancy	Included	Included	☐	☐	☐	
STORAGE 122	Commercial and Industrial Storage	Manual ON/ OFF	Dimmer	Vacancy	Included	NA	☐	☐	☐	
F.R. 123	Electrical, Mechanical, Telephone Rooms	Manual ON/ OFF	Exempt*	Vacancy	NA	NA	☐	☐	☐	
ELECT 124	Electrical, Mechanical, Telephone Rooms	Manual ON/ OFF	Dimmer	Exempt*	NA	NA	☐	☐	☐	
CORRIDOR 125	Corridor	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐	

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

13
Plan Sheet Showing Daylit Zones:
E2.01

JAN 104	*EXCEPTION 1 to Section 130.1(b): An area enclosed by ceiling height partitions that has only one luminaire with no more than two lamps.*
CLOSET 117b	*EXCEPTION 1 to Section 130.1(b): An area enclosed by ceiling height partitions that has only one luminaire with no more than two lamps.*
F.R. 123	*EXCEPTION 1 to Section 130.1(b): An area enclosed by ceiling height partitions that has only one luminaire with no more than two lamps.*
ELECT 124	*EXCEPTION 4 to Section 130.1(c)1: Electrical equipment rooms subject to Article 110.26(D) of the California Electrical Code.*

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

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01	02	03	04	05	06	
					Additional Allowances / Adjustment	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Area Category	PAF
AIR LOCK 101	Main Entry Lobby	0.85	160	136	☐	☐
MEN 102	Restroom	0.65	270	175.5	☐	☐
WOMEN 103	Restroom	0.65	270	175.5	☐	☐
JAN 104	All Other Space Types	0.4	76	30.4	☐	☐
PUBLIC AREA 106	All Other Space Types	0.4	3,226	1,290.4	☐	☐
HR OFFICE 107	Office (≤ 250 square feet)	0.7	114	79.8	☐	☐
MANAGER'S OFFICE 108	Office (open)	0.6	88	52.8	☐	☐
WORK AREA 109	Office (open)	0.6	1,810	1,086	☐	☐
MATERIALS STORAGE 110	Commercial and Industrial Storage	0.6	165	99	☐	☐
COMM. 111	Convention, Conference, Multipurpose, and Meeting Center	0.85	172	146.2	☐	☐
FIRST AID/LACTATION 112	Convention, Conference, Multipurpose, and Meeting Center	0.85	91	77.35	☐	☐
TURN-IN 113	Convention, Conference, Multipurpose, and Meeting Center	0.85	96	81.6	☐	☐
CONTROL 114	Convention, Conference, Multipurpose, and Meeting Center	0.85	196	166.6	☐	☐
SEC. STOR. 115	Commercial and Industrial Storage	0.6	113	67.8	☐	☐
JANITOR 116	Electrical, Mechanical, Telephone Rooms	0.4	189	75.6	☐	☐
LOCKERS 117a	Locker/Dressing Room	0.45	64	28.8	☐	☐
CLOSET 117b	Commercial and Industrial Storage	0.6	22	13.2	☐	☐
EMPLOYEE ROOM 118	Convention, Conference, Multipurpose, and Meeting Center	0.85	538	457.3	☐	☐
MULTI-PURPOSE 119	Convention, Conference, Multipurpose, and Meeting Center	0.85	333	283.05	☐	☐
STAFF-W 120	Restroom	0.65	219	142.35	☐	☐
STAFF-M 121	Restroom	0.65	219	142.35	☐	☐
STORAGE 122	Commercial and Industrial Storage	0.6	289	173.4	☐	☐
F.R. 123	Electrical, Mechanical, Telephone Rooms	0.4	22	8.8	☐	☐
ELECT 124	Electrical, Mechanical, Telephone Rooms	0.4	263	105.2	☐	☐
CORRIDOR 125	Corridor	0.6	674	404.4	☐	☐
		TOTAL:	**9,679**	**5,499.4**	See Tables J or P for detail	

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J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
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Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
◉	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
◉	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	◉	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
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CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: DMV Delano	Report Page: Page 9 of 9
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared: 3/30/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Pratibha Parab	Documentation Author Signature:	
Company:	AECOM	Signature Date:	3/30/2020
Address:	999 W Town & Country Road	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Orange, CA 92868	Phone:	714-689-7255

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Shea Culbertson	Responsible Designer Signature:	
Company :	AECOM	Date Signed:	3/30/2020
Address:	999 W Town & Country Road	License:	22311
City/State/Zip:	Orange, CA 92868	Phone:	714-689-7228

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER
SHEA CULBERTSON
E22311
ELECTRICAL
STATE OF CALIFORNIA
04-08-2020

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

TITLE 24 FORMS

SHEET NO.

E0.02

V3
ISSUE DATE: JULY , 2021

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path.		
Project Name: Delano DMV	Report Page:	Page 1 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

A. GENERAL INFORMATION

01	Project Location (city)	Delano	04	Total Illuminated Hardscape Area (ft²)
02	Climate Zone	13		
03	Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):			

☐ LZ-0: Very Low - Undeveloped Parkland ☐ LZ-2: Moderate - Rural Areas ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Developed Parkland ☑ LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02
☑ New Lighting System	Must Comply with Allowances from §140.7.
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ◯ Yes ◯ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L												Compliance Results	
01		02		03		04		05	06		07		08	09
General Hardscape Allowance §140.7(d1)	+	Per Application §140.7(d2	+	Sales Frontage §140.7(d2	+	Ornamental §140.7(d2	+	Per Specific Area §140.7(d2	OR Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts) (See Table F)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	(See Table N)					
4,901.62	+		+		+		+		OR	=	4,901.62	≥	2,710	**COMPLIES**
Cutoff Compliance (See Table G for Details)													**COMPLIES**	
Controls Compliance (See Table H for Details)													**COMPLIES**	

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Delano DMV	Report Page:	Page 2 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Total Hardscape Area in Table A does not match the areas entered in Table I. Please review for compliance.
Linear lighting has been indicated on Table F. For these luminaires, wattage reported in F03 is in "W/ft" and Total Number Luminaires reported in F05 indicates total linear feet (lf) of that luminaire type.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Fail
DL-2	EXTERIOR 19" DOWNLIG	☐ Linear	34	Mfr. Spec[1]	14	New	☐	476	NA: <6,200 lumens	☐	☐
DL-4	10" EXTERIOR SQUARE D	☐ Linear	27	Mfr. Spec[1]	6	New	☐	162	NA: <6,200 lumens	☐	☐
GL-1	DMV SIGNAGE LIGHTING	☒ Linear	5.8	Mfr. Spec[1]	8	New	☑		NA: <6,200 lumens	☐	☐
GL-2	SITE LUMINAIRE FOR FL	☐ Linear	37	Mfr. Spec[1]	3	New	☐	111	NA: <6,200 lumens	☐	☐
PL-1	LED AREA SINGLE HEAD	☐ Linear	103	Mfr. Spec[1]	9	New	☐	927	Yes	☐	☐
PL-2	LED AREA SINGLE HEAD	☐ Linear	103	Mfr. Spec[1]	5	New	☐	515	Yes	☐	☐
PL-3	LED AREA SINGLE HEAD	☐ Linear	78	Mfr. Spec[1]	3	New	☐	234	Yes	☐	☐
WM-2	EXTERIOR WALL MOUN	☒ Linear	19	Mfr. Spec[1]	15	New	☐	285	NA: <6,200 lumens	☐	☐
WM-3	DMV SIGNAGE LIGHTING	☐ Linear	5.8	Mfr. Spec[1]	24	New	☑		NA: <6,200 lumens	☐	☐
		☐ Linear					☐	0		☐	☐

Table Continued

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Delano DMV	Report Page:	Page 3 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Fail
		☐ Linear					☐	0		☐	☐
						Total Designed Watts:		**2,710**			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope*
[4] *Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).*

G. CUTOFF REQUIREMENTS (BUG)

Table Instructions: Complete this table for fixtures of ≥ 6,200 initial luminaire lumens indicated on Table F as needing to comply with Cutoff Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03			04	05	06			07	08	09			10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[2]					Glare Rating[2]					Field Inspector			
		Mounting Height from Property Line[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting Type	Max Allowable Backlight Rating[3]	Uplight Rating Per Design			Mounting Height from Property Line[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design			Pass	Fail		
PL-1	LED AREA SIN	Back hemisphere 0.5-1 MH from prop line	B3	3	Area Lighting	U0	0			> 2 MH from property line	G3	2			☐	☐		
PL-2	LED AREA SIN	> 2 MH from property line	No Limit	4	Area Lighting	U0	0			> 2 MH from property line	G3	2			☐	☐		

Table Continued

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Delano DMV	Report Page:	Page 4 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

01	02	03			04	05	06	07	08	09		10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[2]					Glare Rating[2]				Field Inspector	
		Mounting Height from Property Line[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting Type	Max Allowable Backlight Rating[3]	Uplight Rating Per Design			Mounting Height from Property Line[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design		Pass	Fail
PL-3	LED AREA SIN	Back hemisphere 0.5-1 MH from prop line	B3	2	Area Lighting	U0	0			Front hemisphere 1-2 MH from prop line	G1	1		☐	☐

[1] *FOOTNOTES: Mounting Height is labeled MH in this table*
[2] *Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b).*
[3] *BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant.*

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector Pass	Fail
PARKING LOT	Photocontrol	Yes - EMCS	Yes	☐	☐
INTERNAL ROAD	Photocontrol	Yes - EMCS	Yes	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Continued

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Delano DMV	Report Page:	Page 5 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

Table Continued

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

01					
	"Use it or lose it" Allowances (select all that apply)				
☑ General Hardscape Allowance	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area	
Table I (below)	Table J	Table K	Table L	Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
PARKING LOT	Concrete	20,056	0.03	601.68	1,771	0.4	708.4	1,310.08
INTERNAL ROAD	Concrete	44,478	0.03	1,334.34	4,768	0.4	1,907.2	3,241.54
						Initial Wattage Allowance for Entire Site (Watts):		**350**
						Total General Hardscape Allowance (Watts):		**4,901.62**

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Delano DMV	Report Page:	Page 6 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	◯	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	◯	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	◯	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Delano DMV	Report Page:	Page 7 of 7
Project Address: Dover Parkway, Delano, CA 93215	Date Prepared:	3/30/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Pratibha Parab	Documentation Author Signature:	
Company:	AECOM	Signature Date:	3/30/2020
Address:	999 W Town & Country Road	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Orange, CA 92868	Phone:	714-689-7255

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Shea Culbertson	Responsible Designer Signature:	
Company :	AECOM	Date Signed:	3/30/2020
Address:	999 W Town & Country Road	License:	22311
City/State/Zip:	Orange, CA 92868	Phone:	714-689-7228

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER SHEA CULBERTSON E22311 ELECTRICAL STATE OF CALIFORNIA
04-08-2020

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

TITLE 24 FORMS

SHEET NO.

E0.03

ISSUE DATE: JULY , 2023 v3

0134

This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations.

A. GENERAL INFORMATION

01	Project Location (city)	Delano	02	Occupancy Types Within Project:	
☑ Office	☐ Retail	☐ Warehouse	☐ Hotel/ Motel	☐ School	☐ Support Areas
☐ Parking Garage	☐ High-Rise Residential	☐ Relocatable	☐ Healthcare Facilities	☐ Other (Write In):	

B. PROJECT SCOPE

Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/ Description	Scope of Work[1]	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a)[2]	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Demand Response Controls
MDP	New electrical service equipment & meter	200	☑	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.

[1] *FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.*
[2] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

C. COMPLIANCE RESULTS

Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D. for guidance and review the Table that indicates "No".

01		02		03		04	05
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)	AND	Controlled Receptacles §130.5(d)	**Compliance Results**
(See Table F)		(See Table G)		(See Table H)		(See Table I)	
	AND	Yes	AND	Yes	AND	Yes	**COMPLIES with Exceptional Conditions**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-definied period.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING

This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

Table Instructions: Complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Using the dropdown choices in column 01, indicate the load types included for each service. Any load types that are not included in the service do not need to be shown.

Electrical Service Designation/Description: **MDP**

01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
Lighting including exit, egress and exterior	All lighting in aggregate	Method 1	E5.01	☐	☐
HVAC systems and components	All HVAC in aggregate	Method 1	E5.01	☐	☐
Plug Loads and appliances < 25kVA	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 1	E5.01	☐	☐
Renewable power sources (net or total)	Each group	Method 1	E5.01	☐	☐

** NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

[1] *FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.*
[2] *Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type*
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type
Method 3: Branch circuits serve load types individually & provisions for adding future branch curcuit monitoring
Method 4: Complete metering system measures and reports loads by type
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b2P)ii.

01	02		03	04	05	
Electrical Service Designation/ Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method		Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
					Pass	Fail
MDP	☑ Voltage drop < 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c))*	In construction documents	E5.01	☐	☐

**NOTES If "Permitted by CA Elec Code"* is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*
[1] *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".*

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06	
Room Name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
					Pass	Fail
MEN 102	NA: No applicable space types on this service		☐		☐	☐
WOMEN 103	NA: No applicable space types on this service		☐		☐	☐
JAN 104	NA: No applicable space types on this service		☐		☐	☐
PUBLIC AREA 106	NA: No applicable space types on this service		☐		☐	☐

Table Continued

01	02	03	04	05	06	
Room Name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
					Pass	Fail
HR OFFICE 107	Within 6ft of uncontrolled AND Split-wired receptacles	Occupancy Sensor	☑	E1.02	☐	☐
MANAGER'S OFFICE 108	At each workstation (modular furniture only)	Occupancy Sensor	☑	E1.02	☐	☐
WORK AREA 109	At each workstation (modular furniture only)	Auto Time-Switch w/ applicable override	☑	E1.02	☐	☐
MATERIAL STORAGE 110	NA: No applicable space types on this service		☐		☐	☐
COMM. 111	NA: No applicable space types on this service		☐		☐	☐
FIRST AID/LACTATION 112	NA: No applicable space types on this service		☐		☐	☐
TURN-IN 113	Split-wired receptacles	Occupancy Sensor	☑	E1.02	☐	☐
CONTROL 114	Split-wired receptacles	Occupancy Sensor	☑	E1.02	☐	☐
SEC. STOR. 115	NA: No applicable space types on this service		☐		☐	☐
JANITOR 116	NA: No applicable space types on this service		☐		☐	☐
LOCKERS 117a	Split-wired receptacles	Occupancy Sensor	☑	E1.02	☐	☐
CLOSET 117b	NA: No applicable space types on this service		☐		☐	☐
EMPLOYEE ROOM 118	Split-wired receptacles	Occupancy Sensor	☑	E1.02	☐	☐
MULTI-PURPOSE 119	Split-wired receptacles	Occupancy Sensor	☑	E1.02	☐	☐
STAFF-W 120	NA: No applicable space types on this service		☐		☐	☐
STAFF-M 121	NA: No applicable space types on this service		☐		☐	☐
STORAGE 122	NA: No applicable space types on this service		☐		☐	☐
F.R. 123	NA: No applicable space types on this service		☐		☐	☐

ELECT 124	NA: No applicable space types on this service		☐		☐	☐
CORRIDOR 125	NA: No applicable space types on this service		☐		☐	☐
				Add Row	Remove Last	

** If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCI-ELC-01-E - Must be submitted for all buildings.	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Pratibha Parab	Documentation Author Signature:	
Company:	AECOM	Signature Date:	1/17/2020
Address:	999 W Town & Country Road	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Orange, CA 92868	Phone:	714-689-7255

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Michael Rebstock	Responsible Designer Signature:	
Company :	AECOM	Date Signed:	1/17/2020
Address:	111 SW Columbia St, Suite 1500	License:	23149
City/State/Zip:	Portland, OR 97201	Phone:	503-478-7663

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER
SHEA CULBERTSON
E22311
ELECTRICAL
STATE OF CALIFORNIA
04-08-2020

AECOM
CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

TITLE 24 FORMS

SHEET NO.

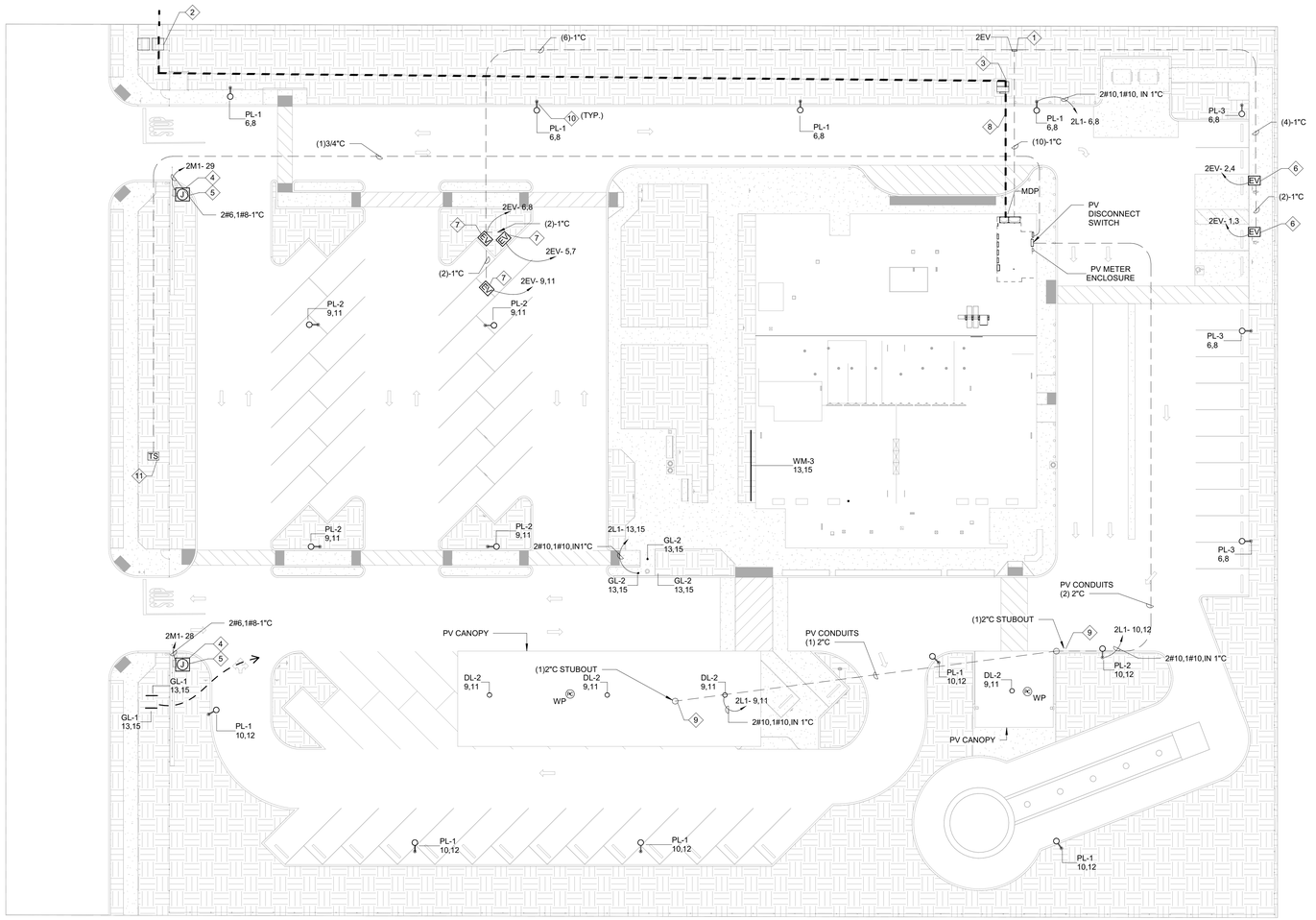
E0.04

ISSUE DATE: JULY...2021 V3

ONE INCH = TWENTY FEET
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

GENERAL NOTES

1. FIELD VERIFY ALL CONDITIONS PRIOR TO START OF WORK.
2. THE LIGHTING CONTROL SYSTEM SHALL BE NETWORK BASED (nLIGHT ACUITY CONTROL OR APPROVED EQUAL). COORDINATE ALL REQUIREMENTS WITH MANUFACTURER AND PROVIDE NECESSARY COMPONENTS FOR A FULLY FUNCTIONAL T24 COMPLIANCE LIGHTING CONTROL SYSTEM. PROVIDE CONNECTION TO ALERTON BMS SYSTEM.
3. ALL OUTDOOR LIGHTING SHALL BE CONTROLLED WITH A PHOTOCELL IN ADDITION TO AN AUTOMATIC TIME-SWITCH CONTROL, OR AN ASTRONOMICAL TIME-SWITCH CONTROL.OUTDOOR LIGHTING SHALL BE CONTROLLED BY EXTERIOR PHOTOCELL THAT AUTOMATICALLY TURNS OFF WHEN SUFFICIENT DAYLIGHT IS AVAILABLE.
4. PROVIDE PV CONDUITS AND PULL BOXES FOLLOWING FINAL APPROVED PV DRAWINGS.
5. PROVIDE A COMPLETE DESIGN AND INSTALLATION OF A LIGHTNING PROTECTION SYSTEM FOR THE BUILDING AS SPECIFIED. SYSTEM SHALL BE DESIGN PER NFPA 780 AND LOCAL REQUIREMENTS. COMPLETED DESIGN SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION.
6. PROVIDE A CANOPY MOUNTED 70 KW PHOTOVOLTAIC (PV) SYSTEM DESIGN AND INSTALLATION. SYSTEM SHALL BE BASED ON UTILIZING 380KW SOLAR PANEL. DESIGN SHALL BE APPROVED PRIOR TO INSTALLATION.
7. SEE LIGHT FIXTURE SCHEDULE ON SHEET E6.01 FOR FIXTURE TYPE DESCRIPTIONS AND INFORMATION.



1 ELECTRICAL SITE PLAN
1" = 20'-0"

KEYNOTES

KEY	DESCRIPTION
1	PROVIDE A FREE STANDING 36"W x 24"D x 36"H NEMA 4 STAINLESS STEEL ENCLOSURE.
2	PROVIDE 5'X5'X4" VAULT PER SOUTHERN CALIFORNIA EDISON REQUIREMENTS. COORDINATE WITH CIVIL.
3	PROVIDE 6'X8'X6" CONCRETE PAD FOR UTILITY TRANSFORMER PER SOUTHERN CALIFORNIA EDISON REQUIREMENTS. COORDINATE WITH CIVIL.
4	PROVIDE J-BOX FOR 120V, 20A CONNECTION IN 1" CONDUIT FOR MOTORIZED GATE. COORDINATE EXACT REQUIREMENT WITH MANUFACTURER BEFORE INSTALLATION. COORDINATE ROUTING WITH CIVIL.
5	PROVIDE J-BOX FOR ASSOCIATED 1" CONDUIT BACK TO THE MAIN COMMUNICATION ROOM AS REQUIRED FOR LOW VOLTAGE CONTROL/SECURITY PROVISIONS. COORDINATE EXACT REQUIREMENT WITH MANUFACTURER BEFORE INSTALLATION. COORDINATE ROUTING WITH CIVIL.
6	DUAL PORT PEDESTAL POS ELECTRICAL VEHICLE CHARGING STATION 208V, 40 AMPS, 2 POLES NEMA 3R, REFER TO MANUFACTURER WRITTEN RECOMMENDATIONS FOR INSTALLATIONS / ANCHORAGE DETAILS AND REQUIREMENTS.
7	PROVIDE A LISTED WET LOCATION SUITABLE JUNCTION BOX FOR FUTURE EV CHARGING STATION. VERIFY LOCATION PRIOR TO ROUGH IN. PROVIDE PERMANENT SIGNAGE AT JUNCTION BOX STATING "EV CAPABLE".
8	PROVIDE 5-4" C FOR INCOMING UTILITY SECONDARY CONDUCTORS FROM VAULT TO MDP PER SOUTHERN EDISON REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL REGARDING CONDUITS ENTERING THE BUILDING AND BUILDING FOUNDATION.
9	PROVIDE CONDUIT STUB-OUTS FOR PV SYSTEM CONNECTION. RUN CONDUIT TO PV DISCONNECT. VERIFY LOCATION IN THE FIELD.
10	REFER TO DETAIL #2 ON SHEET E8.02 FOR POLE MOUNTED LUMINAIRE DETAIL.
11	PROVIDE (1)3/4" CONDUIT TO ABOVE GROUND SHUT OFF WITH TAMPER SWITCH FOR FIRE ALARM SUPERVISORY CIRCUIT. COORDINATE LOCATION OF TAMPER SWITCH WITH CIVIL.

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OFFICE OF THE STATE FIRE MARSHAL
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20-1059
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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

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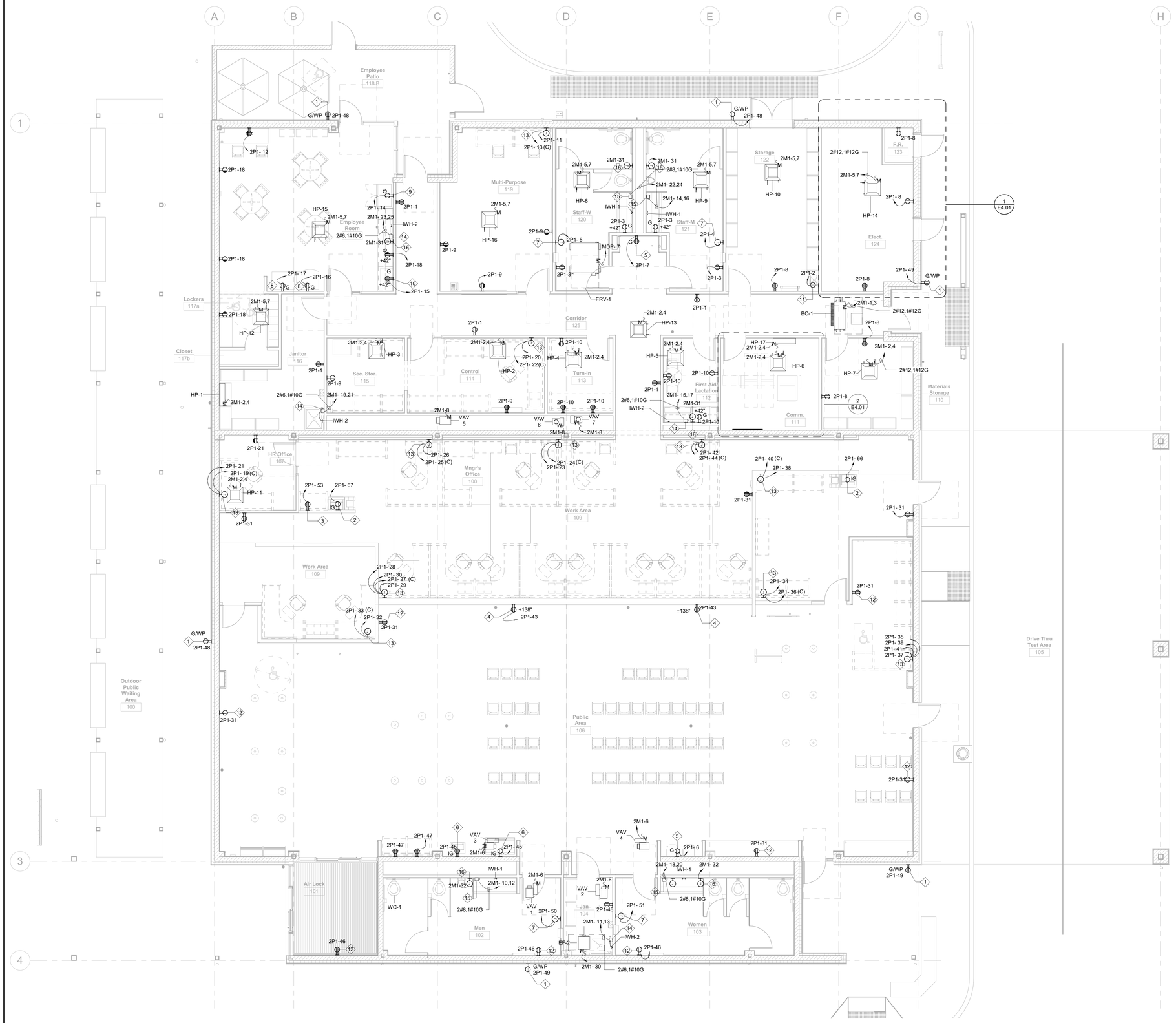
REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20
4	SFM BACKCHECK REVIEW	12/15/20
5	CITY PLAN CHECK	09/15/21

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
ELECTRICAL SITE PLAN
SHEET NO.
E1.01

ISSUE DATE: JULV4 2023

0137



GENERAL NOTES

1. ALL GENERAL RECEPTACLE AND LIGHTING CIRCUITS SHALL BE FED BY 20A BREAKERS MINIMUM.
2. RECEPTACLES ON OPPOSITE SIDES OF COMMON WALLS SHALL BE HORIZONTALLY OFFSET.
3. ALL CIRCUITS SHALL HAVE DEDICATED GROUND WIRES.
4. ALL CONDUITS SHALL BE 3/4"C MINIMUM.
5. PROVIDE PERMANENT LABEL TO EACH RECEPTACLE, SHOWING PANEL NAME AND CIRCUIT NUMBER USED FOR POWER SOURCE.
6. EACH CIRCUIT SHALL BE PROVIDED WITH ITS OWN DEDICATED NEUTRAL.
7. ALL EXTERIOR RECEPTACLES SHALL BE GFCI, WEATHER RESISTANT TYPE AND HAVE IN - USE WEATHER PROOF COVERS.
8. REFER TO SINGLE LINE DIAGRAM, PANEL SCHEUDLE, AND FLOOR PLANS FOR ADDITIONAL REQUIRMENT AND INFORMATION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
9. ALL JUNCTION BOXES SHALL BE SIZED PER NEC.
10. ALL CONDUITS SHALL BE CONCEALED IN WALLS OR ABOVE CEILING.
11. ALL MOTOR RATED SWITCHES AND DISCONNECTS MUST BE READILY ACCESSIBLE.
12. ALL MOTOR RATED SWITCHES AND DISCONNECTS SERVING MECHANICAL EQUIPMENT TO BE MOUNTED AT SAME ELEVATION AS THE UNIT IT SERVES. COORDINATE ELEVATIONS AND LOCATIONS WITH MECHANICAL PLANS.
13. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R WET LISTED SUITIBLE FOR INSTALLATION LOCATION, UNLESS OTHERWISE NOTED.
14. PERMANENT AND DURABLE MARKING FOR CONTROLLED RECEPTACLES OR CIRCUITS TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES OR CIRCUITS SHALL BE PROVIDED TO MEET SECTION 130.5(D)(3) OF THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.
15. AUTOMATIC CONTROLLED RECEPTACLES IN WORK AREA SHALL BE CONTROLLED BY BUILDING AUTOMATIC SYSTEM TIME OF DAY SCHEDULE.
16. PROVIDE STEEL KEYED LOCKABLE COVER PLATES ON ALL EXTERIOR RECEPTACLES.

KEYNOTES

KEY	DESCRIPTION
1	PROVIDE GFCI WEATHER RESISTANT TYPE RECEPTACLE WITH WHILE IN USE WEATHER PROOF COVER.
2	PROVIDE POWER AS REQUIRED FOR COPIER. INSTALL (1) DEDICATED NEMA 5-20R DUPLEX OUTLET, 120V, 20A, 60HZ, SINGLE PHASE, 3-WIRE, PARALLEL BLADE, WITH ISOLATED GROUND. VERIFY LOCATION PRIOR TO ROUGH IN.
3	PROVIDE POWER AS REQUIRED FOR MAIL MACHINE. VERIFY LOCATION PRIOR TO ROUGH IN.
4	PROVIDE POWER AS REQUIRED FOR TV. VERIFY LOCATION PRIOR TO ROUGH IN.
5	PROVIDE POWER AS REQUIRED FOR DRINKING FOUNTAIN. VERIFY LOCATION PRIOR TO ROUGH IN.
6	PROVIDE POWER AS REQUIRED FOR SELF SERVICE KIOSK. INSTALL (1) DEDICATED NEMA 5-20R DUPLEX OUTLET, 120V, 20A, 60HZ, SINGLE PHASE, 3-WIRE, PARALLEL BLADE, WITH ISOLATED GROUND, LABEL AS "DSST". VERIFY LOCATION PRIOR TO ROUGH IN.
7	PROVIDE POWER AS REQUIRED FOR HAND DRYER. VERIFY LOCATION PRIOR TO ROUGH IN.
8	PROVIDE POWER AS REQUIRED FOR VENDING MACHINE. VERIFY LOCATION PRIOR TO ROUGH IN.
9	PROVIDE POWER AS REQUIRED FOR REFRIGERATOR. VERIFY LOCATION PRIOR TO ROUGH IN.
10	PROVIDE POWER AS REQUIRED FOR MICROWAVE. VERIFY LOCATION PRIOR TO ROUGH IN.
11	PROVIDE POWER AS REQUIRED FOR SHREDDER. VERIFY LOCATION PRIOR TO ROUGH IN.
12	PROVIDE CONVENIENCE RECEPTACLE WITH LOCKABLE COVER.
13	WALL MOUNTED JUNCTION BOXES FOR POWER CONNECTION TO MODULAR FURNITURE SYSTEM. COORDINATE EXACT LOCATION IN THE FIELD WITH FURNITURE VENDOR AND PROVIDE NEW CONDUIT, WIRE, ETC. AS NEEDED TO ACCOMMODATE THE NEW LAYOUT. CIRCUIT MARKED WITH "C" TO BE CONTROLLED VIA LOCAL OCCUPANCY SENSOR. REFER TO DETAIL #8 ON SHEET E8.01 FOR MODULAR FURNITURE WIRING.
14	PROVIDE 60A TOGGLE DISCONNECT SWITCH UNDERNEATH SINK AND CONNECTION TO INSTANTANEOUS WATER HEATER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
15	PROVIDE 40A TOGGLE DISCONNECT SWITCH UNDERNEATH SINK AND CONNECTION TO INSTANTANEOUS WATER HEATER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
16	PROVIDE POWER AS REQUIRED FOR HARD WIRED FLUSH VALVES.

1 ELECTRICAL POWER PLAN
3/16" = 1'-0"

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20-1059
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

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ARCHITECT

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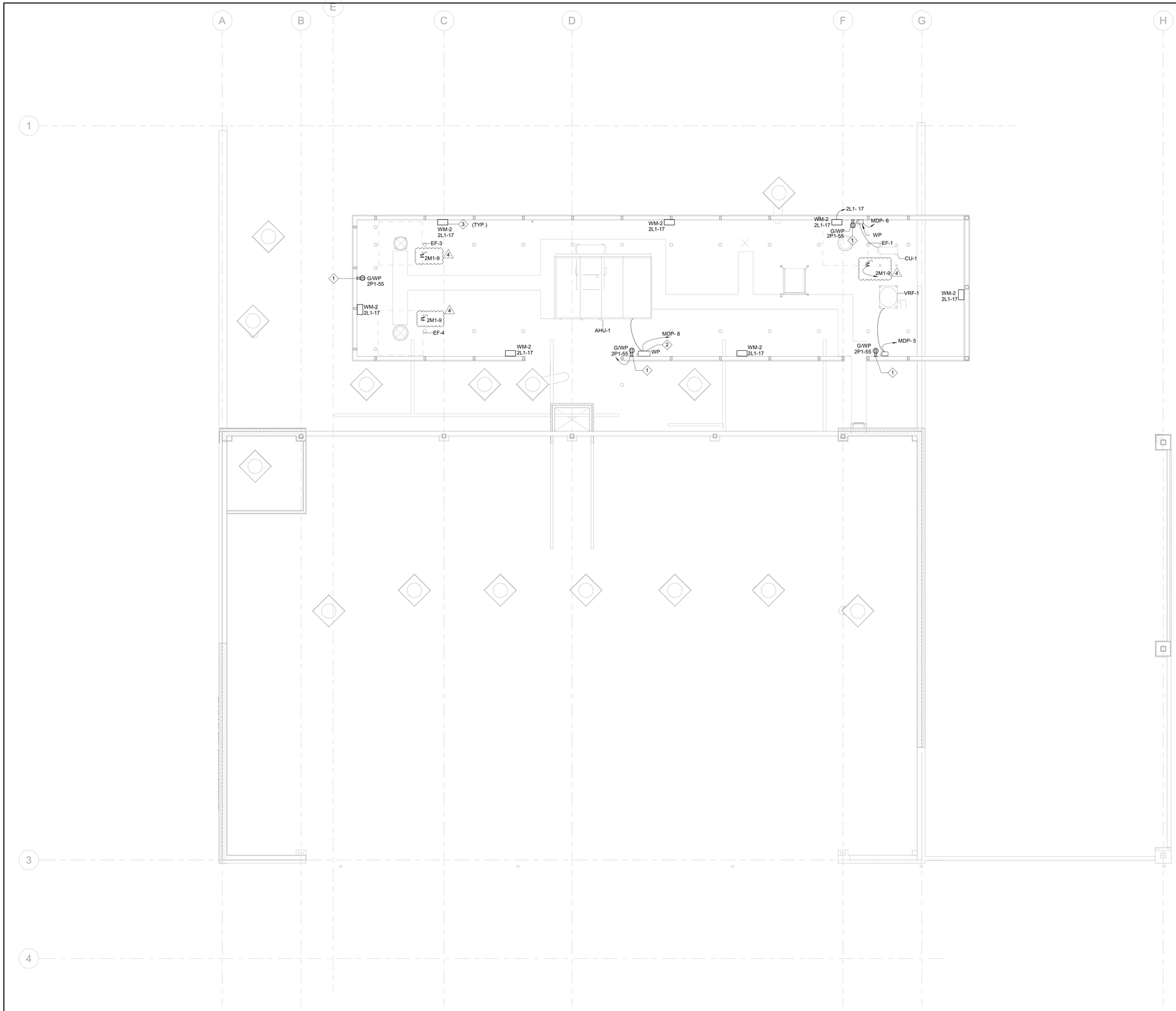
REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
ELECTRICAL POWER PLAN
SHEET NO.
E1.02

ISSUE DATE: JULY , 2023 V3



GENERAL NOTES

1. ALL GENERAL RECEPTACLE AND LIGHTING CIRCUITS SHALL BE FED BY 20A BREAKERS MINIMUM.
2. RECEPTACLES ON OPPOSITE SIDES OF COMMON WALLS SHALL BE HORIZONTALLY OFFSET.
3. ALL CIRCUITS SHALL HAVE DEDICATED GROUND WIRES.
4. EACH CIRCUIT SHALL BE PROVIDED WITH ITS OWN DEDICATED NEUTRAL.
5. ALL EXTERIOR RECEPTACLES SHALL BE GFCI, WEATHER RESISTANT TYPE AND HAVE IN - USE WEATHER PROOF COVERS.
6. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R WET LISTED SUITIBLE FOR INSTALLATION LOCATION, UNLESS OTHERWISE NOTED.
7. PERMANENT AND DURABLE MARKING FOR CONTROLLED RECEPTACLES OR CIRCUITS TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES OR CIRCUITS SHALL BE PROVIDED TO MEET SECTION 130.5(D)(3) OF THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.
8. SEE LIGHT FIXTURE SCHEDULE ON SHEET E6.01 FOR FIXTURE TYPE DESCRIPTIONS AND INFORMATION.

KEYNOTES

KEY	DESCRIPTION
1	PROVIDE GFCI WEATHER RESISTANT TYPE RECEPTACLE WITH WHILE IN USE WEATHER PROOF COVER.
2	PROVIDE DISCONNECT FOR AHU-1. COORDINATE LOCATION AND INSTALLATION REQUIREMENTS WITH MECHANICAL.
3	MOUNT FIXTURE AT 7' AFF.

1 ELECTRICAL ROOF POWER PLAN
3/16" = 1'-0"

N

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CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
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NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20
4	SFM BACKCHECK REVIEW	12/15/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
ELECTRICAL ROOF POWER & LIGHTING PLAN
SHEET NO.
E1.03

ISSUE DATE: JULY , 2020 v3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

KEYNOTES

KEY	DESCRIPTION
1	LIGHTING ABOVE TRANSLUCENT SOFFIT, REFER TO ARCHITECTURAL PLANS.
2	TO CONTROL LIGHTING FIXTURES ON ROOF.
3	PROVIDE LIGHT SWITCH WITH LOCKABLE COVER.

GENERAL NOTES

1. COORDINATE LOCATIONS OF ALL LIGHT FIXTURES AND DEVICES WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO INSTALLATION.
2. PROVIDE FAIL-SAFE TYPE OCCUPANCY SENSORS WHERE LIGHTING WILL STAY "ON" IN THE EVENT OF SENSOR FAILURE.
3. ALL RECESSED LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE SUSPENDED CEILING GRID. REFER TO LIGHTING FIXTURE FOR MOUNTING DETAILS.
4. THE LIGHTING CONTROL SYSTEM SHALL BE NETWORK BASED (nLIGHT ACUITY CONTROL OR APPROVED EQUAL). REFER TO DETAILS ON SHEET E8.02.
5. ACCEPTANCE TESTER SHALL BE PRESENT DURING COMMISSIONING. ALL LIGHTING FIXTURES AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
6. LIGHT FIXTURES CONTROLLED BY OCCUPANCY SENSOR SHALL BE TURNED OFF WITHIN A MAXIMUM OF 20 MINUTES OF NOT DETECTING AN OCCUPANT.
7. ALL EMERGENCY LIGHTING SHALL BE PROVIDED WITH A UL924 RELAY TO OVERRIDE CONTROLS AND ALLOW FIXTURE TO GO FULL BRIGHT UPON NORMAL POWER LOSS.
8. PROVIDE UN-SWITCHED CONSTANT HOT FROM NORMAL POWER SOURCE TO ALL EXIT SIGNS AND ALL UL924 RELAYS TO SENSE NORMAL POWER LOSS.
9. IN THE EVENT OF POWER SUPPLY FAILURE AN EMERGENCY ELECTRICAL SYSTEM SHALL ILLUMINATE THE MEANS OF EGRESS SYSTEM FOR A DURATION OF NOT LESS 90 MINUTES IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CALIFORNIA BUILDING CODE 1008.3 & 1008.3.4.
10. APPROVED EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL AS REQUIRED BY CALIFORNIA BUILDING CODE 1013.1; AND SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED AS REQUIRED BY SECTION 1013.3 IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN SECTIONS 1013.5 AND NOTE: ADDITIONAL EXIT SIGNS MAY BE REQUIRED AT TIME OF FIELD INSPECTION.
11. ALL WALL MOUNTED OCCUPANCY SENSORS SHALL BE EQUIPPED WITH MANUAL ON/OFF SWITCH.
12. COORDINATE ALL LIGHTING CONTROL DEVICE LOCATIONS AND QUANTITIES WITH THE MANUFACTURER AND PROVIDE ALL COMPONENTS REQUIRED FOR A FULLY FUNCTIONAL LIGHTING CONTROL SYSTEM.
13. LIGHT FIXTURES ON THIS FLOOR SHALL BE CIRCUITED TO PANEL '2L1' UNLESS OTHERWISE NOTED. THE CIRCUIT NUMBER AND CONTROL ZONES ARE INDICATED ON THE PLAN.
14. EMERGENCY LIGHT FIXTURES (NOTED WITH 'EM') AND EXIT SIGN FIXTURES ON THIS FLOOR SHALL BE CIRCUITED TO INVERTER 'INV' UNLESS OTHERWISE NOTED.
15. ALL OUTDOOR LIGHTING SHALL BE CONTROLLED WITH A PHOTOCELL IN ADDITION TO AN AUTOMATIC TIME-SWITCH CONTROL, OR AN ASTRONOMICAL TIME-SWITCH CONTROL.OUTDOOR LIGHTING SHALL BE CONTROLLED BY EXTERIOR PHOTOCELL THAT AUTOMATICALLY TURNS OFF WHEN SUFFICIENT DAYLIGHT IS AVAILABLE.
16. LIGHT FIXTURES IN PUBLIC AREA, WORK AREA AND AIR LOCK ROOM SHALL BE CONTROLLED BY BUILDING AUTOMATIC SYSTEM TIME OF DAY SCHEDULE.
17. SEE LIGHT FIXTURE SCHEDULE ON SHEET E6.01 FOR FIXTURE TYPE DESCRIPTIONS AND INFORMATION.

2 ELECTRICAL LIGHTING PLAN
3/16" = 1'-0"

N

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20-1059
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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
ELECTRICAL LIGHTING PLAN
SHEET NO.
E2.01

ISSUE DATE: JULY , 2020 v3

0140

ONE INCH = TWENTY FEET
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THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
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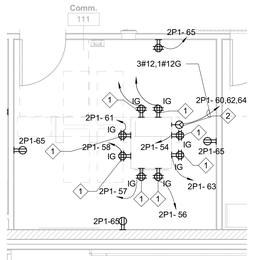
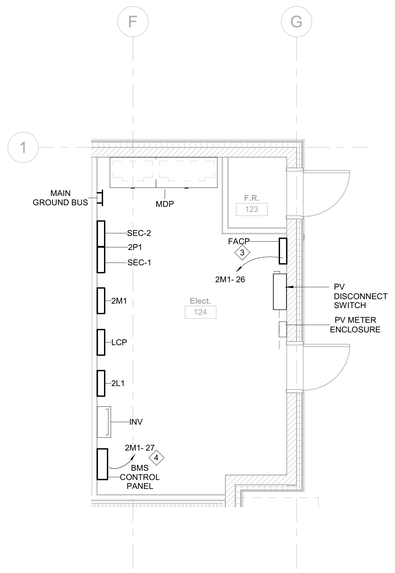


2 ENLARGED PLAN COMM 111

1/4" = 1'-0"



1 ENLARGED ELECTRICAL PLAN

1/4" = 1'-0"

GENERAL NOTES

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2. RECEPTACLES ON OPPOSITE SIDES OF COMMON WALLS SHALL BE HORIZONTALLY OFFSET.
3. ALL CIRCUITS SHALL HAVE DEDICATED GROUND WIRES.
4. EACH CIRCUIT SHALL BE PROVIDED WITH ITS OWN DEDICATED NEUTRAL.
5. ALL EXTERIOR RECEPTACLES SHALL BE GFCI, WEATHER RESISTANT TYPE AND HAVE IN - USE WEATHER PROOF COVERS.
6. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R WET LISTED SUITIBLE FOR INSTALLATION LOCATION, UNLESS OTHERWISE NOTED.
7. PERMANENT AND DURABLE MARKING FOR CONTROLLED RECEPTACLES OR CIRCUITS TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES OR CIRCUITS SHALL BE PROVIDED TO MEET SECTION 130.5(D)(3) OF THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.
8. CABLE RUNWAY: PROVIDE ALL PARTS AND PIECES TO CREATE A CONTINUOUS PATHWAY FOR CABLES WITHIN COMM ROOM. PROVIDE PARTS TO SUPPORT CABLE CONTINUOUSLY FROM THE CONDUITS, CONDUIT CORES, AND CONDUIT SLEEVES ENTERING THE COMM ROOMS TO THE EQUIPMENT RACKS AND BACKBOARDS.
9. INSTALL WITH A MINIMUM OF 36" CLEAR ACCESS IN FRONT OF RACK UNLESS OTHERWISE DIRECTED BY DRAWINGS.
10. MINIMUM CLEARANCE BETWEEN END OF ROW AND WALL SHOULD BE 36".

KEYNOTES

KEY	DESCRIPTION
1	PROVIDE NEMA 5-20R QUAD PLEX RECEPTACLE MOUNTED ON EACH SIDE PANEL OF THE 4-POST DATA RACK, WITH ISOLATED GROUND.
2	PROVIDE NEMA L6-30R ON THE RIGHT SIDE OF THE 4-POST DATA RACK.
3	PROVIDE POWER AS REQUIRED FOR FIRE ALARM CONTROL PANEL.
4	PROVIDE POWER AS REQUIRED FOR BMS CONTROL PANEL.

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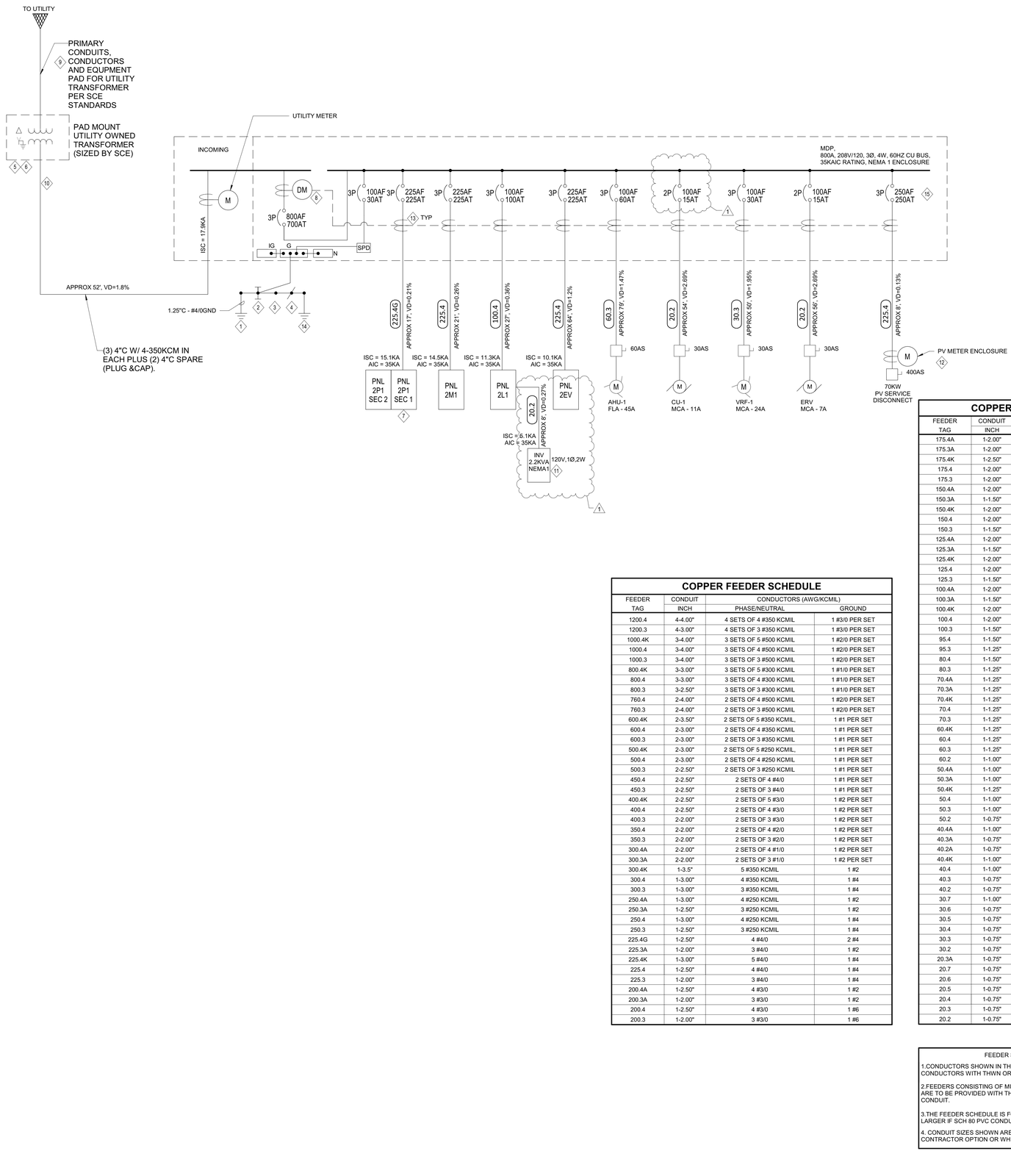
SHEET TITLE

ENLARGED PLANS

SHEET NO.

E4.01

0141



COPPER FEEDER SCHEDULE

FEEDER TAG	CONDUIT INCH	CONDUCTORS (AWG/KCMIL) PHASE/NEUTRAL	GROUND
1200.4	4-4.00"	4 SETS OF 4 #350 KCMIL	1 #3/0 PER SET
1200.3	4-3.00"	4 SETS OF 3 #350 KCMIL	1 #3/0 PER SET
1000.4K	3-4.00"	3 SETS OF 5 #500 KCMIL	1 #2/0 PER SET
1000.4	3-4.00"	3 SETS OF 4 #500 KCMIL	1 #2/0 PER SET
1000.3	3-4.00"	3 SETS OF 3 #500 KCMIL	1 #2/0 PER SET
800.4K	3-3.00"	3 SETS OF 5 #300 KCMIL	1 #1/0 PER SET
800.4	3-3.00"	3 SETS OF 4 #300 KCMIL	1 #1/0 PER SET
800.3	3-2.50"	3 SETS OF 3 #300 KCMIL	1 #1/0 PER SET
760.4	2-4.00"	2 SETS OF 4 #500 KCMIL	1 #2/0 PER SET
760.3	2-4.00"	2 SETS OF 3 #500 KCMIL	1 #2/0 PER SET
600.4K	2-3.50"	2 SETS OF 5 #350 KCMIL	1 #1 PER SET
600.4	2-3.00"	2 SETS OF 4 #350 KCMIL	1 #1 PER SET
600.3	2-3.00"	2 SETS OF 3 #350 KCMIL	1 #1 PER SET
500.4K	2-3.00"	2 SETS OF 5 #250 KCMIL	1 #1 PER SET
500.4	2-3.00"	2 SETS OF 4 #250 KCMIL	1 #1 PER SET
500.3	2-2.50"	2 SETS OF 3 #250 KCMIL	1 #1 PER SET
450.4	2-2.50"	2 SETS OF 4 #4/0	1 #1 PER SET
450.3	2-2.50"	2 SETS OF 3 #4/0	1 #1 PER SET
400.4K	2-2.50"	2 SETS OF 5 #3/0	1 #2 PER SET
400.4	2-2.50"	2 SETS OF 4 #3/0	1 #2 PER SET
400.3	2-2.00"	2 SETS OF 3 #3/0	1 #2 PER SET
350.4	2-2.00"	2 SETS OF 4 #2/0	1 #2 PER SET
350.3	2-2.00"	2 SETS OF 3 #2/0	1 #2 PER SET
300.4A	2-2.00"	2 SETS OF 4 #1/0	1 #2 PER SET
300.3A	2-2.00"	2 SETS OF 3 #1/0	1 #2 PER SET
300.4K	1-3.5"	5 #350 KCMIL	1 #2
300.4	1-3.00"	4 #350 KCMIL	1 #4
300.3	1-3.00"	3 #350 KCMIL	1 #4
250.4A	1-3.00"	4 #250 KCMIL	1 #2
250.3A	1-2.50"	3 #250 KCMIL	1 #2
250.4	1-3.00"	4 #250 KCMIL	1 #4
250.3	1-2.50"	3 #250 KCMIL	1 #4
225.4G	1-2.50"	4 #4/0	2 #4
225.3A	1-2.00"	3 #4/0	1 #2
225.4K	1-3.00"	5 #4/0	1 #4
225.4	1-2.50"	4 #4/0	1 #4
225.3	1-2.00"	3 #4/0	1 #4
200.4A	1-2.50"	4 #3/0	1 #2
200.3A	1-2.00"	3 #3/0	1 #2
200.4	1-2.50"	4 #3/0	1 #6
200.3	1-2.00"	3 #3/0	1 #6

COPPER FEEDER SCHEDULE

FEEDER TAG	CONDUIT INCH	CONDUCTORS (AWG/KCMIL) PHASE/NEUTRAL	GROUND
175.4A	1-2.00"	4 #2/0	1 #3
175.3A	1-2.00"	3 #2/0	1 #3
175.4K	1-2.50"	5 #2/0	1 #6
175.4	1-2.00"	4 #2/0	1 #6
175.3	1-2.00"	3 #2/0	1 #6
150.4A	1-2.00"	4 #1/0	1 #3
150.3A	1-1.50"	3 #1/0	1 #3
150.4K	1-2.00"	5 #1/0	1 #6
150.4	1-2.00"	4 #1/0	1 #6
150.3	1-1.50"	3 #1/0	1 #6
125.4A	1-2.00"	4 #1	1 #2
125.3A	1-1.50"	3 #1	1 #2
125.4K	1-2.00"	4#1+1#4/0	1 #6
125.4	1-2.00"	4 #1	1 #6
125.3	1-1.50"	3 #1	1 #6
100.4A	1-2.00"	4 #1	1 #4
100.3A	1-1.50"	3 #1	1 #4
100.4K	1-2.00"	4#1+1#4/0	1 #8
100.4	1-2.00"	4 #1	1 #8
100.3	1-1.50"	3 #1	1 #8
95.4	1-1.50"	4 #2	1 #8
95.3	1-1.25"	3 #2	1 #8
80.4	1-1.50"	4 #2	1 #8
80.3	1-1.25"	3 #2	1 #8
70.4A	1-1.25"	4 #4	1 #6
70.3A	1-1.25"	3 #4	1 #6
70.4K	1-1.25"	3#4+1#1	1 #8
70.4	1-1.25"	4 #4	1 #8
70.3	1-1.25"	3 #4	1 #8
60.4K	1-1.25"	3#4+1#1	1 #8
60.4	1-1.25"	4 #4	1 #8
60.3	1-1.25"	3 #4	1 #8
60.2	1-1.00"	2 #4	1 #8
50.4A	1-1.00"	4 #6	1 #8
50.3A	1-1.00"	3 #6	1 #8
50.4K	1-1.25"	3#6+1#2	1 #10
50.4	1-1.00"	4 #6	1 #10
50.3	1-1.00"	3 #6	1 #10
50.2	1-0.75"	2 #6	1 #10
40.4A	1-1.00"	4 #8	1 #8
40.3A	1-0.75"	3 #8	1 #8
40.2A	1-0.75"	2 #8	1 #8
40.4K	1-1.00"	3#8+1#4	1 #10
40.4	1-1.00"	4 #8	1 #10
40.3	1-0.75"	3 #8	1 #10
40.2	1-0.75"	2 #8	1 #10
30.7	1-1.00"	7 #10	1 #10
30.6	1-0.75"	6 #10	1 #10
30.5	1-0.75"	5 #10	1 #10
30.4	1-0.75"	4 #10	1 #10
30.3	1-0.75"	3 #10	1 #10
30.2	1-0.75"	2 #10	1 #10
20.3A	1-0.75"	3 #12	1 #10
20.7	1-0.75"	7 #12	1 #12
20.6	1-0.75"	6 #12	1 #12
20.5	1-0.75"	5 #12	1 #12
20.4	1-0.75"	4 #12	1 #12
20.3	1-0.75"	3 #12	1 #12
20.2	1-0.75"	2 #12	1 #12

FEEDER SCHEDULE GENERAL NOTES:

1.CONDUCTORS SHOWN IN THIS SCHEDULE ARE BASED ON COPPER CONDUCTORS WITH THWN OR COMPACT XHHW-2 INSULATION.

2.FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED GROUND CONDUCTOR IN EACH CONDUIT.

3.THE FEEDER SCHEDULE IS FOR EMT, RSC AND SCH 40 CONDUIT. USE 1 SIZE LARGER IF SCH 80 PVC CONDUIT ARE TO BE USED.

4. CONDUIT SIZES SHOWN ARE MINIMUM. LARGER CONDUIT CAN BE USED AS CONTRACTOR OPTION OR WHEN REQUIRED BY CODE.

GENERAL NOTES

1. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT PER NEC 110.26(F).
2. SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ALL ELECTRICAL EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT PER NEC 110.26.
3. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED AND IDENTIFIED FOR USE WITH 75°C RATED CONDUCTORS.
4. ALL DISTRIBUTION BOARDS SHALL BE FREE STANDING WITH COPPER BUS BARS, FULL NEUTRAL BUS AND SEPARATE GROUND BUS COMPLYING WITH NEMA STANDARDS.
5. ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. NEC 110.16.
6. ALL ELECTRICAL DISTRIBUTION AND OVER CURRENT PROTECTIVE DEVICES SHALL BE FULLY RATED FOR AVAILABLE FAULT CURRENT, SERIES RATING NOT PERMITTED.
7. CONTRACTOR SHALL PERFORM AN ARC FLASH ANALYSIS IN ACCORDANCE WITH NFPA 70E AND PROVIDE WARNING SIGNS. ARC FLASH ANALYSIS MUST BE SUBMITTED TO THE CONTRACTING OFFICER FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURE AND/OR INSTALL OF SIGNS.
8. OVER CURRENT AND FAULT PROTECTION DEVICES SHALL BE COORDINATED WITH LINE-SIDE AND LOAD-SIDE FUSES OR CIRCUIT BREAKERS TO ISOLATE ANY ELECTRICAL FAULT OR OVERLOAD FROM THE REST OF THE SYSTEM. PROTECTIVE DEVICE COORDINATION STUDY TO BE SUBMITTED TO THE ENGINEER OF RECORD TO APPROVE THAT THE LEVEL OF COORDINATION IS ACCEPTABLE.
9. PROVIDE SERVICE ENTRANCE EQUIPMENT TESTING PER INTERNATIONAL ELECTRICAL TESTING ASSOCIATION (NETA).
10. SWITCHBOARDS WILL BE DEAD-FRONT, FLOOR MOUNTED, FREESTANDING METAL-ENCLOSED WITH COPPER BUSING. MUST BE FRONT ACCESSIBLE AND MUST BE COMPLETELY ISOLATED BETWEEN SECTIONS BY VERTICAL STEEL BARRIERS. SWITCHBOARDS SHALL HAVE HINGED FRONTS.
11. THE BUILDING ELECTRICAL SERVICE SHALL BE PROVIDED WITH A SURGE PROTECTION SYSTEM THAT SHALL CONSIST OF SURGE PROTECTION PACKAGES CONNECTED TO ALL PANELBOARDS AND SWITCHBOARDS. THE DEVICES SHALL BE EXTERNAL UL 1449 4TH EDITION LISTED, TYPE 1 AND 2 SPD.
12. ALL FEEDER LENGTHS INDICATED ARE FOR DESIGN PURPOSES ONLY AND SHALL BE VERIFIED IN THE FIELD. IF FIELD LENGTHS ARE SIGNIFICANTLY GREATER THAN DESIGN LENGTHS, VOLTAGE DROP CALCULATIONS MUST BE COMPLETED FOR NEW LENGTHS TO VERIFY COMPLIANCE.
13. PROVIDE BACNET GATEWAY PROTOCOM-KT BY ELECTRO INDUSTRIES OR APPROVED EQUAL FOR COMMUNICATION BETWEEN METERS AND ALERTON BMS BACNET.

KEYNOTES

1. PROVIDE 1-#4/0 STRANDED BARE COPPER BONDING JUMPER IN 3/4" MINIMUM NONMETALLIC RIGID CONDUIT FROM SWITCHBOARD TO TWO 3/4" X 10' GROUND RODS. SEVEN FEET APART MINIMUM. GROUNDING AND BONDING SHALL FOLLOW NEC GUIDELINES.
2. BOND SERVICE GROUND TO BLDG STEEL WITH 3/4"C -4/0 BARE COPPER GROUND.
3. BOND SERVICE GROUND TO COLD WATER PIPE WITH 3/4"C -4/0 BARE COPPER GROUND.
4. BOND SERVICE GROUND TO ALL METAL PIPING PER NEC.
5. PROVIDE TRANSFORMER GROUNDING PER UTILITY REQUIREMENTS.
6. REFER TO SITE PLAN FOR LAYOUT OF OUTDOOR ELECTRICAL EQUIPMENT.
7. PANEL TO COME EQUIPPED WITH ISOLATED GROUND BUS.
8. PROVIDE POWER METERING AS PART OF THE SWITCHBOARD SUBMITTAL AS SPECIFIED. THE MANUFACTURER SHALL BE SHARK *ENCSHK250-120-60-10-V4-D2-INP100S-PO1S-X* OR APPROVED EQUAL.
9. PROVIDE (1) 4"C FOR PRIMARY UTILITY CONDUCTORS. CONDUCTORS TO BE PROVIDED AND TERMINATED BY SCE.
10. PROVIDE (3) 4"C FOR SECONDARY UTILITY CONDUCTORS. CONDUCTORS TO BE PROVIDED AND TERMINATED BY SCE.
11. PROVIDE FLOOR MOUNT EMERGENCY LIGHTING INVERTER AS REQUIRED PER NEC ARTICLE 700. THE MANUFACTURER SHALL BE MYERS *3-EM-3-S-B-B-20-8* OR APPROVED EQUAL. (1)
12. UTILITY NGOM METER. COORDIANTE METER SOCKET CONFIGURATION WITH UTILITY COMPANY PRIOR TO PURCHASING.
13. PROVIDE POWER METER TO MEET TITLE-24 LOAD DISAGGREGATION AND ADVANCED METERING REQUIREMENT. THE MANUFACTURER SHALL BE SHARK *ENCMP200-Y-60-10-V4-WIFI-MDLN-X* OR APPROVED EQUAL. DATA CAN BE VIEWED REAL-TIME BY USING COMMEXT SOFTWARE.
14. BOND SERVICE TO CONCRETE-ENCASED ELECTRODE (UFER) WITH 3/4"C-1#4/0. SEE DETAIL 2 ON SHEET E8.01.
15. PV BREAKER SHALL BE LOCATED AT THE OPPOSITE END OF THE BUS FROM THE MAIN OVERCURRENT DEVICE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER SHEA CULBERTSON E22311 ELECTRICAL STATE OF CALIFORNIA
12-15-2020

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE
ELECTRICAL ONE LINE
SHEET NO.
E5.01

ISSUE DATE: JULY , 2020 V3

ONE INCH = TWENTY FEET
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

0142

ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

LIGHT FIXTURE SCHEDULE

Type Mark	Description	Manufacturer	Model	Lamp	Voltage	Load	Mounting	Comments
DL-1	6" RECESSED LED DOWN LIGHT	LITHONIA LIGHTING	LDN6-35-10-L06-AR-LSS-MVOLT-GZ10	LED	120 V	10 VA	RECESSED	
DL-2	EXTERIOR 19" DOWNLIGHT	LITHONIA LIGHTING	VCPG-V4-P2-40K-80CRI-T5W-208-SRM-FINISH	LED	208 V	34 VA	SURFACE	
DL-3	REGRESSED LUMINAIRE FOR EYE CHARTS	3G LIGHTING	3G-RC1-10-S80-35K-20D-UNV-DIM-WT-FINISH-BK-IC	LED	120 V	10 VA	RECESSED	
DL-4	10" EXTERIOR SQUARE CANOPY LUMINAIRE	LITHONIA LIGHTING	CNY LED-P0-40K-MVOLT-WH	LED	120 V	27 VA	SURFACE	
EX-1	EXIT SIGN CEILING MOUNT	LITHONIA LIGHTING	EDG/EDGR-1/2-RMR	LED	120 V	3 VA	CEILING/WALL	
GL-1	IN-GROUND LINEAR LIGHTING FIXTURE FOR MONUMENT SIGN	PINNACLE ARCHITECTURAL LIGHTING	MW-HE-840-4'-WH-U-OL1-1-0-FINISH-V	LED	208 V	23 VA	GROUND	
GL-2	SITE LUMINAIRE FOR FLAG POLE	LIGMAN	UOD-50011-N-W40-FINISH-120-DIM-A80231	LED	208 V	37 VA	GROUND	
PL-1	LED AREA SINGLE HEAD POLE + POLE	VISIONAIRE LIGHTING	VLX-1-T3-96LC-3-4K-UNV-AM-RPP-FINISH-DIM, RNTS-4R-11-16-9BC-343-S1-FINISH	LED	208 V	103 VA	POLE	PROVIDE WITH INTEGRATED PHOTOCELL & MOTION SENSOR. 16' POLE HEIGHT. SEE DETAIL 2/E8.02.
PL-2	LED AREA SINGLE HEAD POLE + POLE	VISIONAIRE LIGHTING	VLX-1-T5W-96LC-3-4K-UNV-AM-RPP-FINISH-DIM, RNTS-4R-11-16-9BC-343-S1-FINISH	LED	208 V	103 VA	POLE	PROVIDE WITH INTEGRATED PHOTOCELL & MOTION SENSOR. 16' POLE HEIGHT. SEE DETAIL 2/E8.02.
PL-3	LED AREA SINGLE HEAD POLE + POLE	VISIONAIRE LIGHTING	VMX-1-T4A-48LC-5-4K-UNV-AM-RPP-FINISH-DIM, RNTS-4R-11-16-9BC-343-S1-FINISH	LED	208 V	78 VA	POLE	PROVIDE WITH INTEGRATED PHOTOCELL & MOTION SENSOR. 16' POLE HEIGHT. SEE DETAIL 2/E8.02.
RS-1A	2'X2' BACKLIT TROFFER LIGHT FIXTURE	WILLIAMS	AT3-22-L40-835-D-DIM-UNV	LED	120 V	42 VA	RECESSED	
RS-1B	2'X2' BACKLIT TROFFER LIGHT FIXTURE	WILLIAMS	AT3-22-L20-835-D-DIM-UNV	LED	120 V	21 VA	RECESSED	
SL-1A	SUSPENDED LINEAR FIXTURE	FINELITE	HP-2 ID-8'-B-S-835-TG-F-120-FA-FE-SC	LED	120 V	66 VA	PENDANT	MOUNTING HEIGHT 9'6" AFF
SL-1B	SUSPENDED LINEAR FIXTURE	FINELITE	HP-2 ID-4'-H-B-835-TG-F-120-FA-FE-SC	LED	120 V	47 VA	PENDANT	MOUNTING HEIGHT 9'6" AFF
SL-1C	SUSPENDED LINEAR FIXTURE	FINELITE	HP-2 ID-8'-H-B-835-TG-F-120-FA-FE-SC	LED	120 V	93 VA	PENDANT	MOUNTING HEIGHT 9'6" AFF
SL-2	SUSPENDED LED STRIPLIGHT	LITHONIA LIGHTING	ZL1N-L48-5000LM-FST-MVOLT-35K-80CRI-WH	LED	120 V	34 VA	PENDANT	MOUNTING HEIGHT 9' AFF
SL-3	SUSPENDED LED STRIPLIGHT	LITHONIA LIGHTING	ZL1N-L48-7000LM-FST-MVOLT-35K-80CRI-WH	LED	120 V	52 VA	PENDANT	MOUNTING HEIGHT 11' AFF
WM-1	WALL MOUNTED LINEAR FIXTURE	FINELITE	HP2-WM-ID-4'-S-S-835-TG-F-120-MB-FE-SC	LED	120 V	29 VA	WALL	MOUNTING HEIGHT 7' AFF
WM-2	EXTERIOR WALL MOUNTED FIXTURE	LITHONIA LIGHTING	DSXW1 LED-10C-530-40K-TFTM-MVOLT-FINISH	LED	120 V	19 VA	WALL	MOUNTING HEIGHT 10'6" AFF
WM-3	WALL MOUNTED LIGHT FIXTURE FOR DMV SIGNAGE	PINNACLE ARCHITECTURAL LIGHTING	MW-HE-840-24'-WH-U-OL1-1-0-FINISH-V	LED	208 V	139 VA	WALL	MOUNT 1'6" ABOVE SIGNAGE

FIXTURE SCHEDULE NOTES

1. FOR LUMENS, LAMP LIFE, COLOR RENDERING INDEX REFER TO SPECIFICATIONS SECTIONS 26 51 00 AND 26 56 00 SERIES.
2. VERIFY LOCATION AND MOUNTING OF DUAL AND SINGLE EXIT SIGNS PER ARCHITECTURAL.
3. VERIFY COLOR / FINISH OF ALL FIXTURES WITH THE ARCHITECT.
4. SINGLE FIXTURE LISTED IN SCHEDULE, ALL EQUIVALENT FIXTURES SHALL MEET OR EXCEED THE PERFORMANCE OF FIXTURES LISTED IN LIGHTING FIXTURE SCHEDULE.
5. LUMINANCE VALUES IN SCHEDULE ARE VALUES USED IN DESIGN, VALUES MAY VARY PER MANUFACTURE. TOTAL COVERAGE SHALL MEET DESIGN CRITERIA.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER
SHEA GULBERTSON
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ELECTRICAL
STATE OF CALIFORNIA
04-08-2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

LIGHT FIXTURE SCHEDULE

SHEET NO.
E6.01

0143

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

ITEM	ITEM NO.	DESCRIPTION	VOLTAGE	PHASE	HP	FLA	MCA	MOCP	KVA	PANEL	FEEDER SIZE	DISCONNECT SIZE	DISCONNECT PROVIDED BY	NOTES
AHU-1	1	OUTDOOR AIR HANDLER	208	3	-	45	-	60	-	MDP	(1)1.25"C-3#4+1#8 GND	600V 3P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
VAV 1	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VAV 2	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VAV 3	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VAV 4	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VAV 5	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VAV 6	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VAV 7	1	VAV	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
BC-1	1	VRF BRANCH CONTROLLER	208	1	-	-	1.3	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
VRF-1	1	VRF CONDENSING UNIT	208	3	-	-	24	-	-	MDP1	(1)3/4"C-3#10+1#10 GND	600V 3P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
CU-1	1	VRF CONDENSING UNIT	208	1			11	28	-	MDP1	(1)3/4"C-2#10+1#10 GND	600V 2P 30A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
HP-1	1	VRF EVAPORATOR	208	1	-	-	0.19	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-2	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-3	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-4	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-5	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-6	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-7	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-8	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-9	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-10	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-11	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-12	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-13	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-14	1	VRF EVAPORATOR	208	1	-	-	0.24	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-15	1	VRF EVAPORATOR	208	1	-	-	0.29	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-16	1	VRF EVAPORATOR	208	1	-	-	0.29	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
HP-17	1	VRF EVAPORATOR	208	1	-	-	0.19	-	-	M1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
ERV-1	1	ERV	208	1	-	-	7	-	-	MDP1	(1)3/4"C-2#12+1#12 GND	125V 2P 30A MOTOR RATED SWITCH	ELECTRICAL	
EF-1	1	EXHAUST FAN	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
EF-2	1	EXHAUST FAN	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
EF-3	1	EXHAUST FAN	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
EF-4	1	EXHAUST FAN	120	1	-	-	-	-	0.05	M1	(1)3/4"C-2#12+1#12 GND	125V 1P 30A MOTOR RATED SWITCH	ELECTRICAL	
IWH-1	1	INSTANT WATER HEATER	208	1	-	-	-	-	8	M1	(1)3/4"C-2#6+1#10 GND	600V 3P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
IWH-1	1	INSTANT WATER HEATER	208	1	-	-	-	-	8	M1	(1)3/4"C-2#6+1#10 GND	600V 2P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
IWH-1	1	INSTANT WATER HEATER	208	1	-	-	-	-	8	M1	(1)3/4"C-2#6+1#10 GND	600V 2P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
IWH-1	1	INSTANT WATER HEATER	208	1	-	-	-	-	8	M1	(1)3/4"C-2#6+1#10 GND	600V 2P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
IWH-2	1	INSTANT WATER HEATER	208	1	-	-	-	-	8	M1	(1)3/4"C-2#6+1#10 GND	600V 2P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	
IWH-2	1	INSTANT WATER HEATER	208	1	-	-	-	-	8	M1	(1)3/4"C-2#6+1#10 GND	600V 2P 60A NON - FUSIBLE DISCONNECT SWITCH	ELECTRICAL	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

LICENSED PROFESSIONAL ENGINEER
SHEA GULBERTSON
E22311
ELECTRICAL
STATE OF CALIFORNIA
04-08-2020

AECOM
CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

EQUIPMENT SCHEDULE

SHEET NO.

E6.02

ISSUE DATE: JULY , 2021

V3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE-AND ONE-HALF INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT

Switchboard: MDP

Location: Space 11
Supply From:
Mounting: Floor
Enclosure: 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	PNL 2P1	3	225 A	225 A	45776 VA	
2	PNL 2M1	3	225 A	225 A	73290 VA	
3	PNL 2L1	3	100 A	100 A	7299 VA	
4	PNL 2EV	3	225 A	225 A	33280 VA	
5	VRF-1	3	100 A	30 A	6912 VA	
6	CU-1	2	100 A	15 A	3168 VA	
7	ERV	2	100 A	15 A	1456 VA	
8	AHU-1	3	100 A	60 A	16200 VA	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20	PV DISCONNECT	3	250 A	250 A	0 VA	
				Total Conn. Load:	187381 VA	
				Total Amps:	520 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	99726 VA	104.06%	103776 VA		
Power	27796 VA	100.00%	27796 VA	**Total Conn. Load:**	187381 VA
Lighting	7299 VA	125.00%	9124 VA	**Total Est. Demand:**	196936 VA
Receptacle	19280 VA	75.93%	14640 VA	**Total Conn. Current:**	520 A
EV	33280 VA	125.00%	41600 VA	**Total Est. Demand Current:**	547 A

Notes:

Branch Panel: INV

Location: Space 11
Supply From: 2L1
Mounting: Surface
Enclosure: Type 1

Volts: 120 Single
Phases: 1
Wires: 2

A.I.C. Rating:
Mains Type:
Mains Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	INTERIOR LIGHTING - NORTH	20 A	1	678	411					1	20 A	INTERIOR LIGHTING - SOUTH	2
3	EXTERIOR LIGHTING	20 A	1			268	0			1	20 A	Spare	4
5	Spare	20 A	1					0					6
7	Spare	20 A	1	0	0					1	20 A	Spare	8
			Total Load:	1089 VA		268 VA		0 VA					
			Total Amps:										

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1357 VA	125.00%	1696 VA		
				Total Conn. Load:	1357 VA
				Total Est. Demand:	1696 VA
				Total Conn. Current:	11 A
				Total Est. Demand Current:	14 A

Notes:

Branch Panel: 2M1

Location: Space 11
Supply From: MDP
Mounting: Surface
Enclosure: 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	BC-1	20 A	2	135	1240					2	20 A	HP-1,2,3,4,5,6,7,11	2
3	--	--	--			135	1240			--	--	--	4
5	HP-8,9,10,12,14,15,16	20 A	2					945	200	1	20 A	VAV-1,2,3,4	6
7	--	--	--	945	150					1	20 A	VAV-5,6,7	8
9	EF-1,3,4	20 A	1			150	3600			2	35 A	IWH-1	10
11	IWH-2	50 A	2					4500	3600	--	--	--	12
13	--	--	--	4500	3600					2	35 A	IWH-1	14
15	IWH-2	50 A	2			4500	3600			--	--	--	16
17	--	--	--					4500	3600	2	35 A	IWH-1	18
19	IWH-2	50 A	2	4500	3600					--	--	--	20
21	--	--	--			4500	3600			2	35 A	IWH-1	22
23	IWH-2	50 A	2					4500	3600	--	--	--	24
25	--	--	--	4500	500					1	20 A	FACP	26
27	ALERTEN BMS PANEL	20 A	1			200	1000			1	20 A	OUTDOOR GATE	28
29	OUTDOOR GATE	20 A	1					1000	50	1	20 A	EF-2	30
31	HARD WIRED FLUSH VALVES	20 A	1	400	200					1	20 A	HARD WIRED FLUSH VALVES	32
33													34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	24270 VA		22525 VA		26495 VA					
			Total Amps:	204 A		188 A		223 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	71990 VA	103.13%	74240 VA		
Power	1300 VA	100.00%	1300 VA	**Total Conn. Load:**	73290 VA
				Total Est. Demand:	75540 VA
				Total Conn. Current:	203 A
				Total Est. Demand Current:	210 A

Notes:

Branch Panel: 2P1

Location: Space 11
Supply From: MDP
Mounting: Surface
Enclosure: 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A

Notes: PROVIDE PANEL WITH ISOLATED GROUND BUS.

	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
SECTION - 1	1	RECEPTACLE - RM 116,125	20 A	1	900	1200					1	20 A	SHREDDER	2
	3	RECEPTACLE - RM 120,121	20 A	1			720	1200			1	20 A	HAND DRYER - RM 121	4
	5	HAND DRYER - RM 120	20 A	1					1200	480	1	20 A	DRINKING FOUNTAIN - RM 106	6
	7	DRINKING FOUNTAIN - RM 125	20 A	1	480	1080					1	20 A	RECEPTACLE - RM 110,122,123,124	8
	9	RECEPTACLE - RM 114,115,119	20 A	1			900	1080			1	20 A	RECEPTACLE - RM 112,113	10
	11	FURNITURE FEED - RM 119	20 A	1					700	360	1	20 A	DESKTOP MONITORS - RM118	12
	13	FURNITURE FEED - RM 119 (C)	20 A	1	360	696					1	20 A	REFRIGERATOR RM 118	14
	15	MICROWAVE - RM 118	20 A	1			1200	1200			1	20 A	VENDING MACHINE RM 118	16
	17	VENDING MACHINE RM 118	20 A	1					1200	720	1	20 A	RECEPTACLE - RM 118,107	18
	19	RECEPT, FURNITURE FEED - RM 107 (C)	20 A	1	350	350					1	20 A	FURNITURE FEED - RM 114	20
	21	FURNITURE FEED - RM 107	20 A	1			300	120			1	20 A	FURNITURE FEED - RM 114 (C)	22
	23	FURNITURE FEED - RM 109	20 A	1					700	360	1	20 A	FURNITURE FEED - RM 109 (C)	24
	25	FURNITURE FEED - RM 109 (C)	20 A	1	120	350					1	20 A	FURNITURE FEED - RM 109	26
	27	FURNITURE FEED - RM 109 (C)	20 A	1			720	1200			1	20 A	FURNITURE FEED - RM 109	28
	29	FURNITURE FEED - RM 109	20 A	1					1200	1200	1	20 A	FURNITURE FEED - RM 109	30
	31	RECEPTACLE - RM 106,109	20 A	1	1440	700					1	20 A	FURNITURE FEED - RM 109	32
	33	FURNITURE FEED - RM 109 (C)	20 A	1			360	350			1	20 A	FURNITURE FEED - RM 109	34
	35	FURNITURE FEED - TEST STATIONS	20 A	1					840	120	1	20 A	FURNITURE FEED - RM 109 (C)	36
	37	FURNITURE FEED - TEST STATIONS	20 A	1	840	350					1	20 A	FURNITURE FEED - RM 109	38
	39	FURNITURE FEED - TEST STATIONS	20 A	1			1000	120			1	20 A	FURNITURE FEED - RM 109 (C)	40
	41	FURNITURE FEED - TEST STATIONS	20 A	1					840	350	1	20 A	FURNITURE FEED - RM 109	42
SECTION - 2	43	TV - RM 106	20 A	1	720	120					1	20 A	FURNITURE FEED - RM 109 (C)	44
	45	SELF SERVICE KIOSKS	20 A	1			360	720			1	20 A	RECEPTACLE - RM 101,102,103,104	46
	47	DESKTOP MONITORS - RM109	20 A	1					720	540	1	20 A	RECEPTACLE - EXTERIOR (EAST+NORTH)	48
	49	RECEPTACLE - EXTERIOR (WEST+SOUTH)	20 A	1	540	1200					1	20 A	HAND DRYER - RM 102	50
	51	HAND DRYER - RM 103	20 A	1			1200	360			1	20 A	IG RACK RECEPTACLE - COMM. RM 111	52
	53	MAIL MACHINE	20 A	1					1400	360	1	20 A	IG RACK RECEPTACLE - COMM. RM 111	54
	55	RECEPTACLE - ROOF	20 A	1	720	360					1	20 A	IG RACK RECEPTACLE - COMM. RM 111	56
	57	IG RACK RECEPTACLE - COMM. RM 111	20 A	1			360	360			1	20 A	IG RACK RECEPTACLE - COMM. RM 111	58
	59	IG RACK RECEPTACLE - COMM. RM 111	20 A	1					360	333	3	30 A	SPL DATA RACK RECEPTACLE - COMM....	60
	61	IG RACK RECEPTACLE - COMM. RM 111	20 A	1	360	333					--	--	--	62
	63	IG RACK RECEPTACLE - COMM. RM 111	20 A	1			360	333			--	--	--	64
	65	RECEPTACLE - COMM. RM 111	20 A	1					900	1400	1	20 A	COPIER	66
	67	COPIER	20 A	1	1400	0					1	20 A	Spare	68
	69	Spare	20 A	1			0	0			1	20 A	Spare	70
	71	Spare	20 A	1					0	0	1	20 A	Spare	72
	73	Spare	20 A	1	0	0					1	20 A	Spare	74
	75	Spare	20 A	1			0	0			1	20 A	Spare	76
	77	Spare	20 A	1					0	0	1	20 A	Spare	78
	79	Spare	20 A	1	0	0					1	20 A	Spare	80
	81	Spare	20 A	1			0	0			1	20 A	Spare	82
	83	Spare	20 A	1					0	0	1	20 A	Spare	84
			Total Load:		14969 VA		14523 VA		16283 VA					
			Total Amps:		125 A		121 A		136 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	26496 VA	100.00%	26496 VA		
Receptacle	19280 VA	75.93%	14640 VA	**Total Conn. Load:**	45776 VA
				Total Est. Demand:	41136 VA
				Total Conn. Current:	127 A
				Total Est. Demand Current:	114 A

Notes:

Branch Panel: 2L1

Location: Space 11
Supply From: MDP
Mounting: Surface
Enclosure: 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTING - RM 113-124	20 A	1	952	1001					1	20 A	LIGHTING - RM 107-111	2
3	LIGHTING - RM 106	20 A	1			979	497			1	20 A	LIGHTING - RM 101,102,103,106	4
5	EXTERIOR LTG - DRIVE...	20 A	2					136	323	2	20 A	LIGHTING - EXTERIOR POLES	6
7	--	--	--	136	323					--	--	--	8
9	LTG - EXT. POLES PARKING LOT, PV...	20 A	2			274	309			2	20 A	LIGHTING - EXTERIOR POLES	10
11	--	--	--					274	309	--	--	--	12
13	EXT. LTG - BLD SIGNAGE	20 A	2	296	0					1	20 A	LCP	14
15	--	--	--			0	1089			1	20 A	INV	16
17	LTG-ROOF	20 A	1					133					18
19													20
21													22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
			Total Load:	2708 VA		3148 VA		1443 VA					
			Total Amps:	24 A		28 A		12 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	7299 VA	125.00%	9124 VA		
				Total Conn. Load:	7299 VA
				Total Est. Demand:	9124 VA
				Total Conn. Current:	20 A
				Total Est. Demand Current:	25 A

Notes:
EXTERIOR LIGHTING TO BE METERED SEPARATELY.

Branch Panel: 2EV

Location:
Supply From: MDP
Mounting: Surface
Enclosure: 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	FUTURE EV CHARGING STATION	40 A	2	3328	3328					2	40 A	FUTURE EV CHARGING STATION	2
3	--	--	--			3328	3328			--	--	--	4
5	FUTURE EV CHARGING STATION	40 A	2					3328	3328	2	40 A	FUTURE EV CHARGING STATION	6
7	--	--	--	3328	3328					--	--	--	8
9	FUTURE EV CHARGING STATION	40 A	2			3328							10
11	--	--	--					3328					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
			Total Load:	13312 VA		9984 VA		9984 VA					
			Total Amps:	111 A		83 A		83 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
EV	33280 VA	125.00%	41600 VA		
				Total Conn. Load:	33280 VA
				Total Est. Demand:	41600 VA
				Total Conn. Current:	92 A
				Total Est. Demand Current:	115 A

Notes: 1. Provide branch breakers for EV chargers capable of being locked in the open position. 4

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DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL APPROVED FIRE AND PANIC ONLY

12/07/21
20-1059

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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

LICENSED PROFESSIONAL ENGINEER
SUSAN CULBERTSON
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12-15-2020

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20
4	SFM BACKCHECK REVIEW	12/15/20

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

PANEL SCHEDULES

SHEET NO.

E6.03

ISSUE DATE: JULY , 2020 v3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
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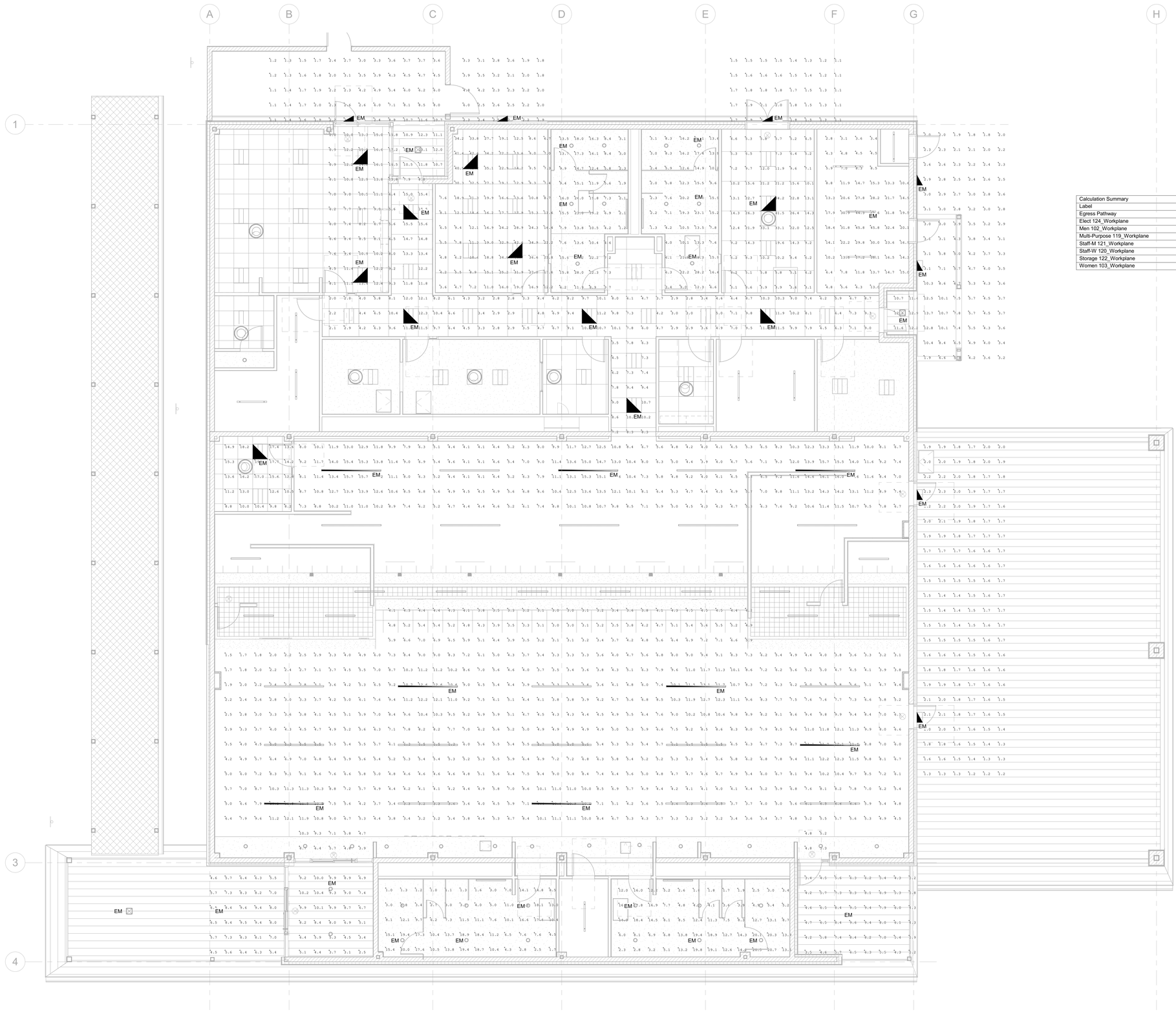
0145

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE-EIGHTH INCH = ONE FOOT 0 4 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
ONE-HALF INCH = ONE FOOT 0 4
THREE-QUARTERS INCH = ONE FOOT 0 6 2
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Egress Pathway	Illuminance	Fc	6.19	19.4	1.1	17.64
Elect 124_Workplane	Illuminance	Fc	16.74	45.8	2.8	16.36
Men 102_Workplane	Illuminance	Fc	9.35	20.0	1.0	20.00
Multi-Purpose 119_Workplane	Illuminance	Fc	18.72	44.7	3.6	12.42
Staff-M 121_Workplane	Illuminance	Fc	11.67	28.3	1.3	21.77
Staff-W 120_Workplane	Illuminance	Fc	11.64	28.2	1.2	23.50
Storage 122_Workplane	Illuminance	Fc	12.83	41.5	3.1	13.39
Women 103_Workplane	Illuminance	Fc	10.09	20.7	1.7	12.18

1 ELECTRICAL LIGHTING PLAN - EM PHOTOMETRIC CALCS
3/16" = 1'-0"

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STATE OF CALIFORNIA

04-08-2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

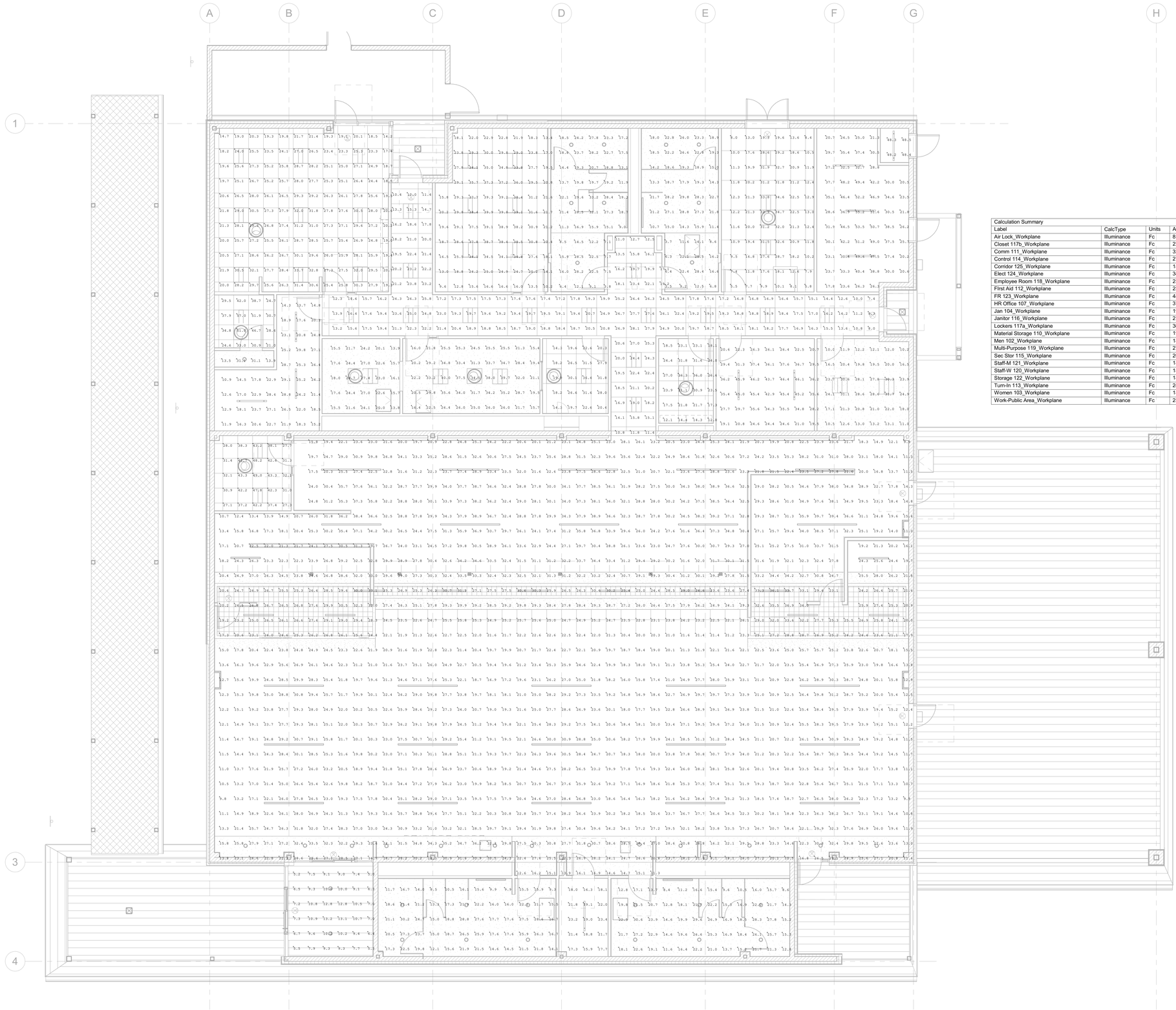
ELECTRICAL
LIGHTING PLAN - EM
PHOTOMETRIC
CALCS

SHEET NO.

E7.01

ISSUE DATE: JULY...2021 V3

0146



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Air Lock_Workplane	Illuminance	Fc	8.76	13.2	5.0	2.64
Closet 117b_Workplane	Illuminance	Fc	22.40	31.1	13.5	2.30
Comm 111_Workplane	Illuminance	Fc	32.82	46.4	19.1	2.43
Control 114_Workplane	Illuminance	Fc	27.53	40.0	15.4	2.60
Corridor 125_Workplane	Illuminance	Fc	18.69	28.1	7.4	3.80
Elect 124_Workplane	Illuminance	Fc	34.43	55.2	17.8	3.10
Employee Room 118_Workplane	Illuminance	Fc	25.48	33.7	14.2	2.37
Flrst Aid 112_Workplane	Illuminance	Fc	23.38	36.3	12.0	3.03
FR 123_Workplane	Illuminance	Fc	48.35	48.5	48.2	1.01
HR Office 107_Workplane	Illuminance	Fc	37.47	49.0	27.1	1.81
Jan 104_Workplane	Illuminance	Fc	19.58	23.4	15.9	1.47
Janitor 116_Workplane	Illuminance	Fc	21.08	29.8	10.9	2.73
Lockers 117a_Workplane	Illuminance	Fc	36.44	57.0	21.0	2.71
Material Storage 110_Workplane	Illuminance	Fc	19.67	31.7	10.0	3.17
Men 102_Workplane	Illuminance	Fc	18.90	30.2	8.5	3.55
Multi-Purpose 119_Workplane	Illuminance	Fc	27.15	39.9	9.6	4.16
Sec Stor 115_Workplane	Illuminance	Fc	20.57	27.4	13.8	1.99
Staff-M 121_Workplane	Illuminance	Fc	18.22	29.8	3.5	8.51
Staff-W 120_Workplane	Illuminance	Fc	18.51	33.2	3.8	8.74
Storage 122_Workplane	Illuminance	Fc	18.45	34.7	5.5	6.31
Turn-In 113_Workplane	Illuminance	Fc	24.03	36.4	14.3	2.55
Women 103_Workplane	Illuminance	Fc	18.89	30.6	8.4	3.64
Work-Public Area_Workplane	Illuminance	Fc	25.19	39.7	8.1	4.90

1 ELECTRICAL LIGHTING PLAN - INTERIOR PHOTOMETRIC CALCS
3/16" = 1'-0"

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

LICENSED PROFESSIONAL ENGINEER
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04-08-2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

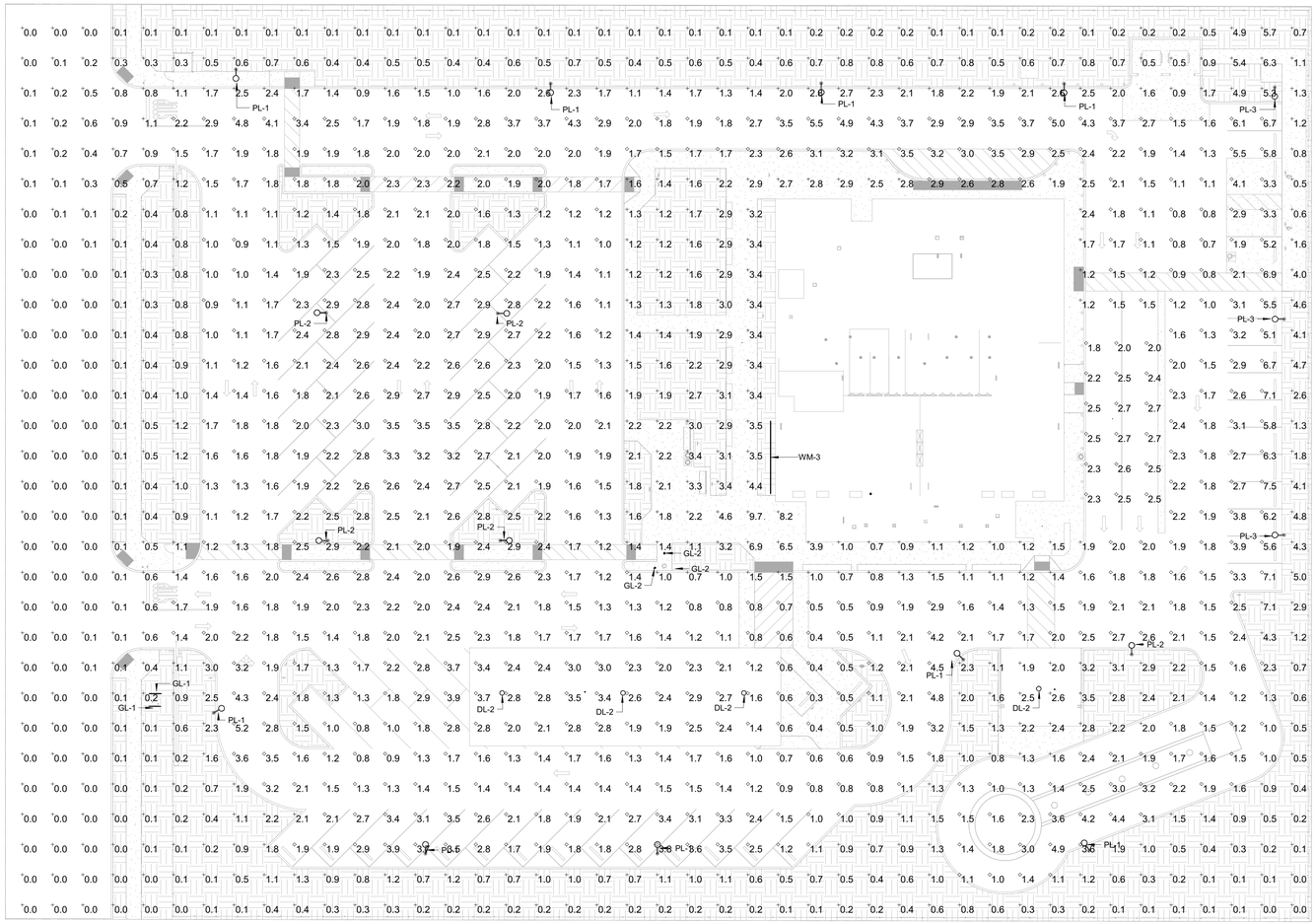
DATE 04/08/2020
JOB NO. DGS 140724

SHEET TITLE
ELECTRICAL LIGHTING PLAN - INTERIOR PHOTOMETRIC CALCS

SHEET NO.
E7.02

ISSUE DATE: JULY , 2021 V3

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking and Drive Aisles - Ground @ 0'AFG	◇	2.2 fc	7.5 fc	0.3 fc	25.0:1	7.3:1
Drive Aisle - Canopy - Ground @ 0'AFG	◇	2.4 fc	2.7 fc	1.8 fc	1.5:1	1.3:1
Flag	◇	5.1 fc	8.0 fc	1.4 fc	5.7:1	3.6:1
Sign - Building - Vertical - Surface	+	22 fc	45 fc	4 fc	11.3:1	5.5:1
Sign - Entry - Vertical - Surface	+	32 fc	59 fc	9 fc	6.6:1	3.6:1
Site - Ground @ 0'AFF	+	1.7 fc	9.7 fc	0.0 fc	N/A	N/A



1 ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRIC CALCS

1" = 20'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

LICENSED PROFESSIONAL ENGINEER
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM REVIEW	07/02/20
5	CITY PLAN CHECK	09/15/21

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

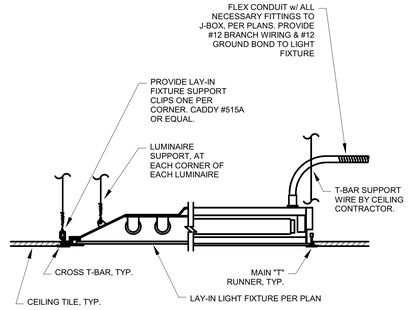
ELECTRICAL SITE LIGHTING PLAN - EXTERIOR PHOTOMETRIC CALCS

SHEET NO.

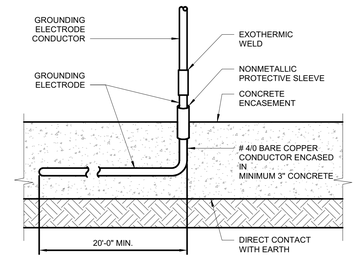
E7.03

ISSUE DATE: JULY4, 2023

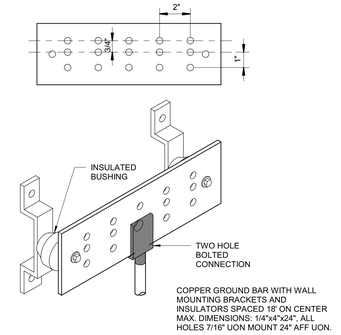
ONE INCH = TWENTY FEET
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



3 LAY-IN LIGHT FIXTURE MOUNTING DETAIL
1" = 1'-0"



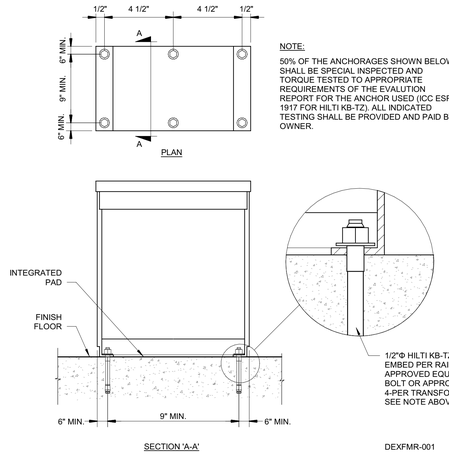
2 UFER GROUNDING DETAIL
1" = 1'-0"



1 GROUNDING BAR
1/2" = 1'-0"

GENERAL NOTES:

1. FURNITURE CONTRACTOR SHALL PROVIDE RECEPTACLE OUTLETS AS SHOWN IN THIS DETAIL AS A MINIMUM.
2. NO MORE THAN 4 WORKSTATIONS SHALL BE CONNECTED TO A SINGLE 20A CIRCUIT.
3. THIS LAYOUT DOES NOT ADDRESS REQUIRED DATA OR AV OUTLET LAYOUT. COORDINATE WITH TENANT'S TECHNOLOGY PERSONNEL FOR REQUIRED OUTLET QUANTITIES AND LOCATIONS TO BE PROVIDED.
4. PROVIDE A PERMANENT AND DURABLE MARKING FOR CONTROLLED RECEPTACLES OR CIRCUITS TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES OR CRICUITS.



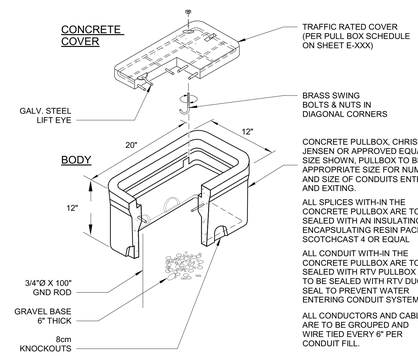
NOTE:
50% OF THE ANCHORAGES SHOWN BELOW SHALL BE SPECIAL INSPECTED AND TORQUE TESTED TO APPROPRIATE REQUIREMENTS OF THE EVALUTION REPORT FOR THE ANCHOR USED (ICC ESR 1917 FOR HILTI KB-TZ). ALL INDICATED TESTING SHALL BE PROVIDED AND PAID BY OWNER.

DEXFMR-001

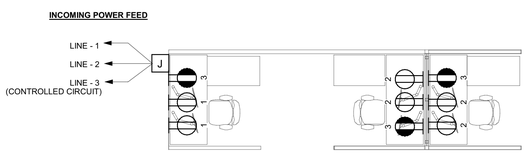
5 TRANSFORMER ANCHORING DETAILS
3" = 1'-0"

TYPICAL EQUIPMENT

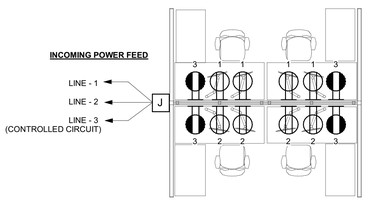
4 CONCRETE PULLBOX DETAIL
1 1/2" = 1'-0"



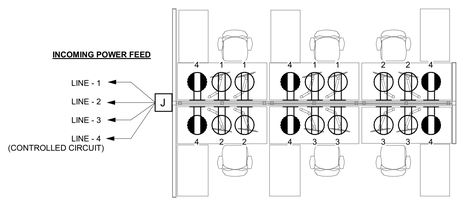
3 WORKSTATIONS MODULAR FURNITURE



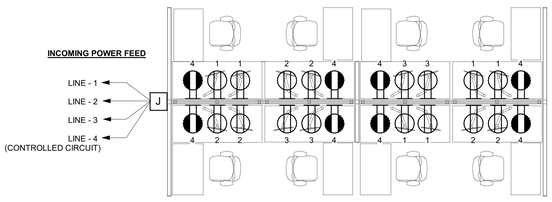
4 WORKSTATIONS MODULAR FURNITURE



6 WORKSTATIONS MODULAR FURNITURE



8 WORKSTATIONS MODULAR FURNITURE



8 MODULAR FURNITURE WIRING DETAIL
1/4" = 1'-0"

7 EQUIPMENT NAMEPLATE DETAIL
6" = 1'-0"

6 PANELBOARD NAMEPLATE DETAIL
6" = 1'-0"

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12/07/21
20-1059
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STATE FIRE MARSHAL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

LICENSED PROFESSIONAL ENGINEER
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04-08-2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020
JOB NO. DGS 140724
SHEET TITLE

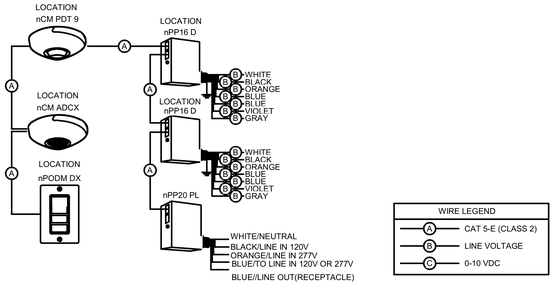
ELECTRICAL DETAILS

SHEET NO.

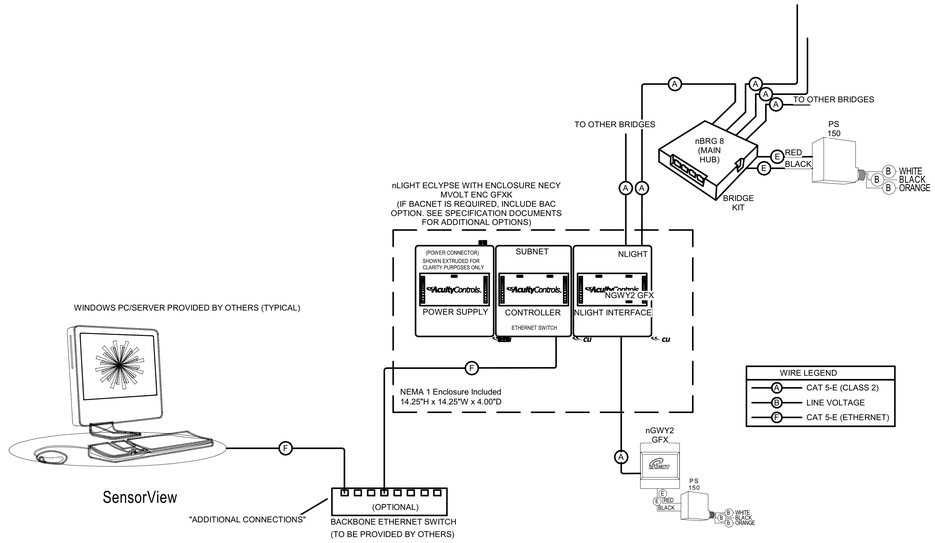
E8.01

ISSUE DATE: JULY , 2003 V3

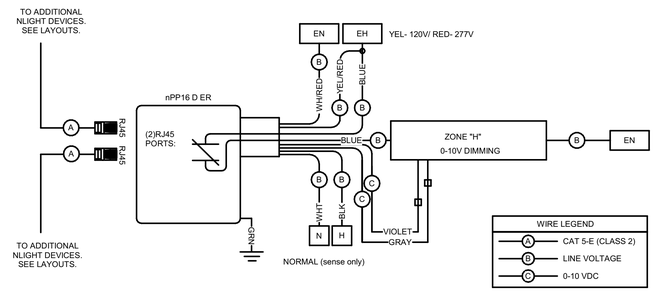
0149



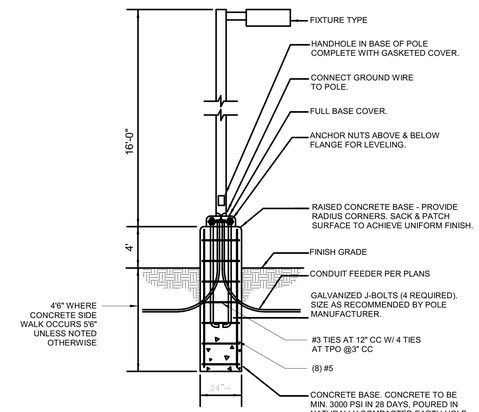
4 TYPICAL OFFICE WITH 0-10V FIXTURES AND DAYLIGHT HARVESTING
12" = 1'-0"



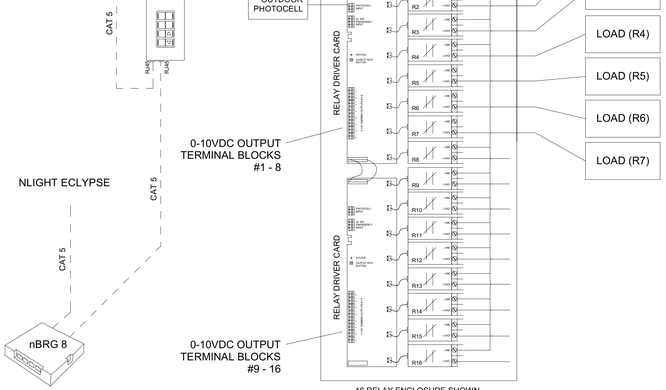
3 TYPICAL BACKBONE NETWORK: CONNECTIONS AND ADR
6" = 1'-0"



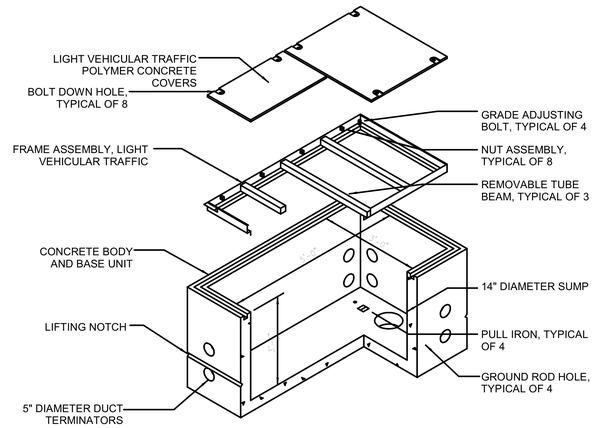
5 TYPICAL WIRING DIAGRAM: EMERGENCY LIGHTS
12" = 1'-0"



2 POLE MTD LUMINAIRE DETAIL
NOT TO SCALE



6 TYPICAL EXTERIOR LIGHTING CONTROL
12" = 1'-0"



1 PULLBOX DETAIL
NOT TO SCALE

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12/07/21
20-1059
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CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano

California Department of General Services

LICENSED PROFESSIONAL ENGINEER
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04-08-2020

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ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

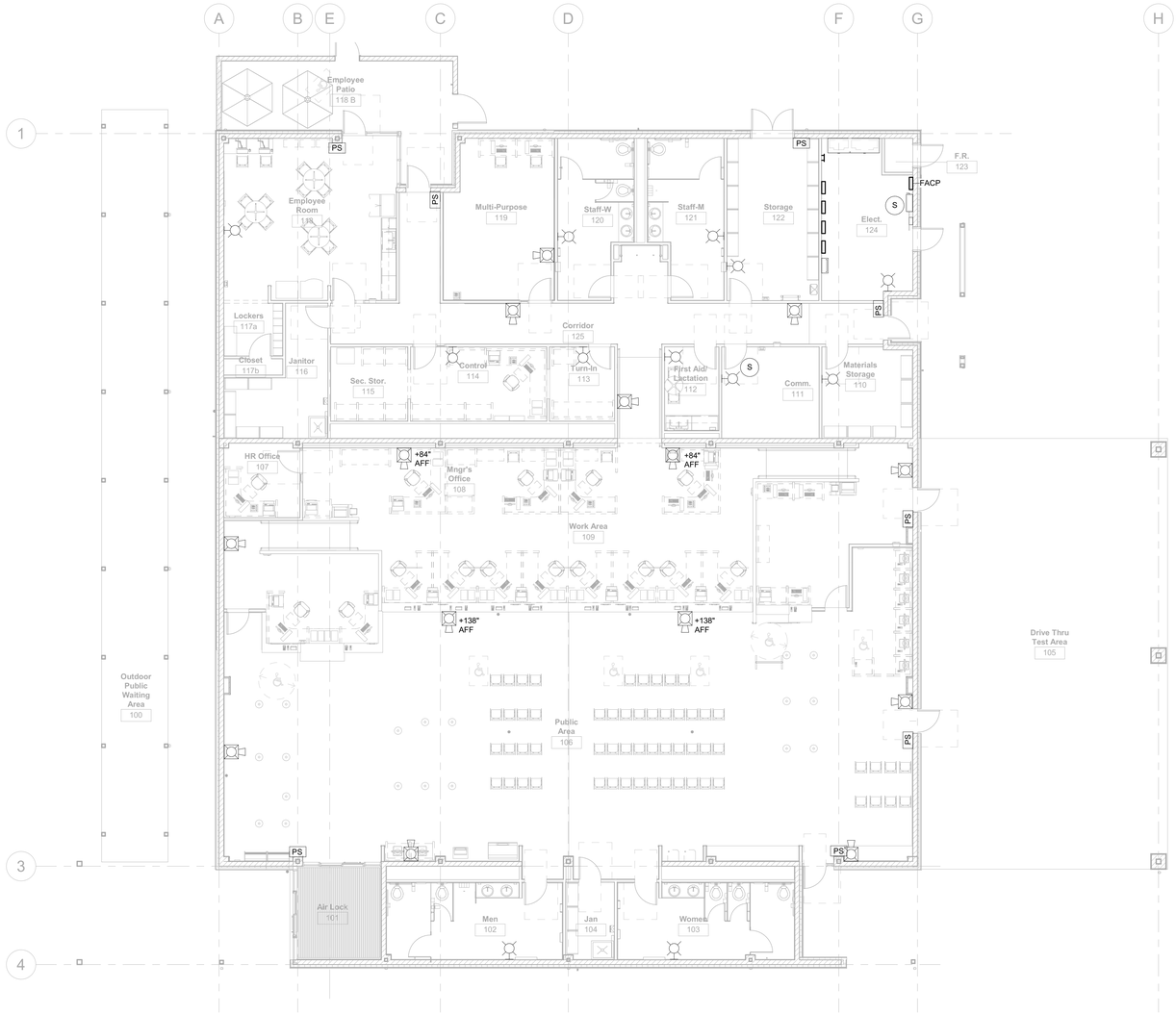
ELECTRICAL DETAILS

SHEET NO.

E8.02

ISSUE DATE: JULY , 2020 v3

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE-HALF INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT



1 FIRE ALARM FLOOR PLAN

1/8" = 1'-0"

N

GENERAL NOTES

1. THESE DOCUMENTS FOR FIRE ALARM SYSTEM ARE CONCEPTUAL DESIGN, THE CONTRACTOR SHALL PROVIDE FULL DESIGN AND DOCUMENTATION FOR A COMPLETE FIRE ALARM SYSTEM, APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED DOCUMENTATION TO MEET THE REQUIREMENTS OF THE CALIFONRIA STATE FIRE MARSHAL, AUTHORITY HAVING JURISDICTION. SEE ALSO SPECIFICATION SECTION 284621.11 FOR FURTHER REQUIREMENTS.
2. ALL NEW STROBES ARE RATED 110CANDELA UNLESS OTHERWISE NOTED.
3. PROVIDE ADDRESSABLE DUCT DETECTOR WITH PHOTO ELECTRIC SMOKE HEAD, TEST SWITCH AND RELAY FOR AHU SHUTDOWN. COORDNATE WITH MECHANICAL CONTRACTOR.
4. PROVIDE KNOX BOX ON EXTERIOR OF BUILDING. COORDINATE LOCATION WITH LOCAL FIRE MARSHAL.
5. PROVIDE ANNUNCIATOR PANEL NEAR THE MAIN ENTRANCE. COORDINATE LOCATION WITH ARCHITECTS.
6. PULL STATIONS SHALL BE MOUNTED AT 48" AFF.
7. FIRE ALARM STROBES MOUNTED AT 80" AFF UNLESS NOTED OTHERWISE.
8. "AHU-1" SHALL BE SHUTDOWN UPON DETECTION OF SMOKE IN THE MAIN SUPPLY AIR DUCT SERVED BY SUCH EQUIPMENT.

4

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STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPART OF MOTOR VEHICLES - DMV

Dover Parkway, Delano

California Department of General Services

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
4	SFM BACKCHECK REVIEW	12/15/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

FIRE ALARM FLOOR PLAN

SHEET NO.

FA1.0

ISSUE DATE: JULY , 2023 V3

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THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

0151

ONE-HALF INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT ONE INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-SIXTEENTH INCH = ONE FOOT ONE INCH = TWENTY FEET

TELECOM GENERAL NOTES

1. THESE DRAWINGS ARE PREPARED AND COORDINATED WITH THE PROJECT SPECIFICATIONS. TOGETHER THESE DOCUMENTS FORM THE CONTRACT DOCUMENTS.
2. THE TELECOM/SECURITY "CONTRACTOR" SHALL BE RESPONSIBLE FOR PROVIDING ALL LABOR, SUPERVISION, TOOLING, AND FURNISHING/INSTALLING ALL EQUIPMENT, ADDITIONAL CONDUIT, CABLING, WIRING, AND TESTING OF THE TELECOM AND SECURITY SYSTEMS AS DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FULLY FUNCTIONAL AND OPERATIONAL COMMUNICATIONS AND SECURITY SYSTEM TO THE SATISFACTION OF THE OWNER.
3. ALL WORK SHALL COMPLY WITH CITY, STATE, AND LOCAL BUILDING STANDARDS, NEC ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), ANSI, UFC,TIA STANDARDS, AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL STANDARDS, REGULATIONS, AND CODES. REFER TO SPECIFICATIONS.
4. ANYTHING MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN IN THE DRAWINGS, OR SHOWN IN THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF TO BE SHOWN AND MENTIONED IN BOTH. IN CASE OF DIFFERENCES BETWEEN DRAWING AND THE SPECIFICATIONS, THE STRICTER PROVISION AS DETERMINED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL GOVERN. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS, OR THE INCORRECT DESCRIPTION OF WORK WHICH ARE EVIDENTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR INCORRECTLY DESCRIBED DETAIL OF THE WORK. RATHER, THE WORK SHALL BE PERFORMED AS IF THE DRAWINGS HAVE BEEN VERIFIED, CHECKED AND COORDINATED WITH SHOP DRAWINGS AND SAMPLES OF THE WORK AND OF THE SPECIFICATIONS.
5. THE DRAWINGS INDICATE THE GENERAL LOCATION OF EQUIPMENT, DEVICES AND CABLE PATHWAYS. ALTHOUGH THE DRAWINGS DO NOT NECESSARILY DICTATE THE ACTUAL LOCATION OF EQUIPMENT AND OUTLETS AND OTHER SUPPORTING ITEMS, THEY SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE TO THE DESIGN IN THIS DOCUMENT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF ALL ITEMS WITH ALL OTHER TRADES.
6. FIELD VERIFY AND COORDINATE CAMERA LOCATIONS WITH OWNER VIEWING OBJECTIVES. LOCATE ALL EQUIPMENT AS APPLICABLE. NOTIFY OWNER OF ANY DEVIATIONS GREATER THAN 24 INCHES.
7. PROMPTLY NOTIFY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF WORK IF MOUNTING LOCATIONS NOTED ON THE DRAWINGS ARE OBSTRUCTED AND/OR IF ANY MOUNTING CONFLICTS OR PROBLEMS ARE DISCOVERED. DO NOT PROCEED WITHOUT OWNER'S REPRESENTATIVE WRITTEN AUTHORIZATION.
8. COORDINATE FINAL CONDUIT DESIGN WITH SECURITY SYSTEM EQUIPMENT AND MATERIALS LAYOUT AND WITH BUILDING CONDITIONS. ANY CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. DO NOT PROCEED WITHOUT OWNER'S REPRESENTATIVE WRITTEN AUTHORIZATION.
9. IF CONFLICTS OR DISCREPANCIES ARE DISCOVERED BETWEEN ANY OF THE CONTRACT DOCUMENTS, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY. IF DISCREPANCIES ARE DISCOVERED BETWEEN THE TELECOM/SECURITY LOCATION PLANS, RISERS, DETAILS, SCHEDULES OR CONDUIT LAYOUT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY. DO NOT PROCEED WITHOUT WRITTEN OWNER'S REPRESENTATIVE AUTHORIZATION.
10. THE CABLING INFRASTRUCTURE FOR THE PROJECT SHALL REQUIRE (UNSHIELDED TWISTED PAIR) UTP CATEGORY 6 CABLING COMMONLY UTILIZED IN SECURITY AND DATA NETWORKS AND AS DESCRIBED IN THE SPECIFICATIONS WITH THE EXCEPTION AS NOTED FOR ACCESS CONTROL SYSTEM (ACS) DEVICES. THEREFORE, THE PATHWAYS AND CABLING INFRASTRUCTURE SHALL BE COMPRISED OF PRODUCTS AND INSTALLATION METHODS STRICTLY ADHERING TO ANSI/TIA 568 STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR STRICTLY ADHERING TO CABLING DISTANCES, METHODS, COMMUNICATIONS INDUSTRY BEST PRACTICES, AND TESTING PROCEDURES. FOR CABLING DISTANCES BEYOND THE 295 FEET LIMITATIONS, FIBER OPTICAL CABLING SHALL BE UTILIZED.
11. THE CONTRACTOR SHALL TERMINATE CATEGORY 6 CABLING IN COMPLIANCE WITH TIA 568A WIRING SCHEME.
12. ALL INSTALLED CABLE, CONDUIT, RACEWAYS, SYSTEM COMPONENTS, AND OTHER COMPONENTS COMPRISING THIS PROJECT SHALL MEET THE WARRANTY REQUIREMENTS AS NOTED IN THE SPECIFICATIONS.
13. THE CONTRACTOR SHALL BE MANUFACTURER CERTIFIED IN THE INSTALLATION, OPERATION, PROGRAMMING, AND MAINTENANCE OF THE PROPOSED TELECOM/SECURITY SYSTEMS BEING INSTALLED ON THIS PROJECT.
14. CABLE SCHEDULES TO BE GENERATED AND PROVIDED BY THE CONTRACTOR AS PART OF THE FINAL RECORD SET. THE CABLE SCHEDULES SHALL BE IN MICROSOFT EXCEL FORMAT.
15. THE CABLING FOR IP ENABLED "SECURITY" DEVICES SUCH AS CAMERAS, NETWORK CONTROLLERS, ETC, SHALL BE CATEGORY 6 100-OHM, 4-PAIR UTP IN A BLACK COLORED JACKET. THE BLACK CATEGORY 6 CABLE SHALL BE TERMINATED PER TIA T568B. STRIPPING OF CABLE JACKET, UNTWISTING OF CONDUCTOR PAIRS, AND TERMINATION SHALL BE DONE USING TIA CONVENTIONS.
16. FOR ALL OUTLETS AND IP CONNECTED DEVICES THE MAXIMUM ALLOWABLE HORIZONTAL CABLE LENGTH IS 295 FEET. THIS MAXIMUM ALLOWABLE LENGTH DOES NOT INCLUDE AN ALLOWANCE FOR THE LENGTH OF CABLE TO SECURITY EQUIPMENT AND CROSS-CONNECTION FROM PATCH PANELS TO ETHERNET PoE SWITCHES.
17. FOR HORIZONTAL COMMUNICATIONS CABLE RUNS IN EXCESS OF 295 FEET, USE 50u MULTIMODE FIBER OPTIC CABLE. INSTALL PER TIA STANDARDS. THE FIBER SHALL BE TERMINATED WITH LC TYPE CONNECTORS UNLESS OTHERWISE NOTED.
18. THE CONTRACTOR SHALL ENSURE THAT ALL SECURITY CABLES ARE INSTALLED WITHIN CONDUIT AND RACEWAY.
19. MAINTAIN UTP CABLE PAIR TWISTS UP TO THE POINT OF TERMINATION (MAXIMUM OF UP TO 1/4" JACKET REMOVED ALLOWED) AT BOTH THE DEVICE END AS WELL AS PATCH PANEL/110 BLOCK END FOR EACH HORIZONTAL CABLE. TAKE CAUTION AS TO REFRAIN FROM PHYSICALLY CHANGING OR DAMAGING THE SHAPE OR GEOMETRY OF THE CABLE DURING INSTALLATION, I.E., DO NOT CINCH CABLE TIES TOO TIGHTLY; AVOID KINKS AND BENDS OF CABLE. DO NOT PLACE BUNDLES IN SUCH A WAY THAT THE WEIGHT OF LARGE BUNDLES IS DAMAGING THE CABLES ON THE BOTTOM OF THE BUNDLE. ALL STRAPPING AND LASHING OF CABLE AT SECURITY CABINET OR RACK LOCATIONS SHALL BE WITH HOOK AND LOOP TIE STRAPS FOR EASY ACCESS TO CABLE BUNDLES TO FACILITATE FUTURE MOVES, ADDS, AND CHANGES.
20. 120 VAC INPUT POWER CONDUCTORS SHALL NOT BE INSTALLED IN THE SAME CONDUIT AS LOW VOLTAGE AUDIO, CONTROL, DC POWER OR ANY OTHER LOW VOLTAGE CABLES. CONTRACTOR TO ENSURE PROPER SEPARATION OF CLASS 1, CLASS 2, AND CLASS 3 PER NEC 725-54.
21. CONTRACTOR SHALL VERIFY THE SIZE OF ALL CONDUCTORS, CONDUIT (MINIMUM SIZE 1") AND JUNCTION BOXES (40% MAXIMUM FILL). INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL CODES HAVING JURISDICTION AS WELL AS ANSI/TIA 569 STANDARDS FOR PATHWAYS AND CABLING. CONTRACTOR IS RESPONSIBLE FOR ALL BACKBOXES AND CONDUIT.
22. SURGE SUPPRESSION DEVICES SHALL BE INSTALLED FOR EXTERIOR MOUNTED DEVICES AT EACH END OF THE CABLE IN ORDER TO PROTECT FIELD,CONTROL, AND NETWORK EQUIPMENT. ALSO, SURGE SUPPRESSION SHALL BE PROVIDED AT POINTS WHERE CABLING FROM EXTERIOR DEVICES ENTERING THE BUILDING IS LOCATED.
23. THE CONTRACTOR SHALL ADHERE TO THE LATEST CONNECTORIZATION PROCEDURES AS SPECIFIED BY THE MANUFACTURER.
24. IN ALL AREAS, PROTECT CABLE FROM TENSION, COMPRESSION, TORSION, BENDING, SQUEEZING, AND VIBRATION. DO NOT PULL CABLES IMPROPERLY OR EXCEED THE MANUFACTURERS TENSILE RATING.
25. ALL WIRING, JACKS, PATHWAYS, AND PATCH PANELS WILL BE LABELED USING LATEST TIA-606 STANDARDS FOR TELECOMMUNICATIONS INFRASTRUCTURE OF COMMERCIAL BUILDINGS. AS-BUILT DRAWINGS, BOTH IN AUTOCAD (DWG) AND PDF, SHALL BE FURNISHED BY THE CONTRACTOR WITHIN 30 DAYS OF PROJECT COMPLETION. PAYMENTS WILL BE WITHHELD PENDING RECEIPT OF AS-BUILT DRAWINGS.
26. PULL CABLES SIMULTANEOUSLY WHERE MORE THAN ONE IS BEING INSTALLED IN THE SAME CONDUIT. USE PULLING COMPOUND OR LUBRICATE WHERE NECESSARY. COMPOUND USED MUST NOT DETERIORATE CONDUCTOR OR INSULATION. USE PULLING MEANS, INCLUDING FISH TAPE, CABLE ROPE AND BASKET WEAVE WIRE/CABLE GRIPS THAT WILL NOT DAMAGE MEDIA OR CONDUIT.
27. PATCH CORDS SHALL BE FURNISHED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE PATCH CORDS AT THE CAMERA, WORKSTATIONS, SERVERS, AND STORAGE DEVICE, ETHERNET NETWORK SWITCHES, ETC. AND FOR EACH PATCH PANEL PORT. CONTRACTOR TO PROVIDE AN ADDITIONAL 10% SPARE QUANTITY OF PATCH CORDS. COORDINATE PATCH CABLE LENGTHS WITH OWNER REPRESENTATIVE.
28. ALL CATEGORY 6 CABLING INSTALLED IN CONDUIT SHALL BE CM RATED.
29. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED SLEEVES FOR WALL, FLOOR, AND CEILING PENETRATIONS FOR A COMPLETE INSTALLATION, WHERE REQUIRED.
30. ALL CONTRACTOR INSTALLED SLEEVES/SLOTS THAT PENETRATE FIRE RATED WALLS, FLOORS, AND CEILINGS WITH CONTRACTOR INSTALLED CABLING SHALL BE PROPERLY FIRE STOPPED PER LOCAL CODE.
31. ALL CONDUITS, GROUNDING CONDUCTORS, AND GROUNDING BUS BARS SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
32. PULL BOXES SHOWN ON DRAWINGS ARE RECOMMENDED SIZES AND LOCATIONS ONLY. PULL BOXES SHALL BE SIZED PER TIA 569 STANDARDS.
33. CONTRACTOR WILL FURNISH AND INSTALL ALL FIBER TERMINATION HOUSINGS AND ADAPTER PLATES.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CROSS-CONNECTIONS BETWEEN THE SECURITY NETWORK ELECTRONICS AND THE HORIZONTAL CABLING.
35. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEST RESULTS AND CABLE RECORDS TO THE OWNER OR OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL EQUIPMENT AND PERSONNEL NECESSARY TO CONDUCT TESTING.
36. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL ANY 120VAC POWER FOR DEDICATED LOW VOLTAGE POWER SUPPLIES AT DOORS REQUIRING HIGH IN-RUSH ELECTRIFIED LOCKING DEVICES.
37. WHERE AVAILABLE, ALL POWER FOR SECURITY SYSTEM COMPONENTS SHALL BE CONNECTED TO EMERGENCY POWER.
38. COORDINATE FINAL LOCATIONS OF POWER CIRCUITS, BACKBOXES, AND CONDUITS WITH ELECTRICAL CONTRACTOR FOR SECURITY SYSTEM DEVICES AS REQUIRED.
39. ALL STRAPPING AND LASHING OF CABLES AT RACK LOCATIONS SHALL BE WITH HOOK AND LOOP TIE STRAPS FOR EASY ACCESS TO CABLE BUNDLES TO FACILITATE FUTURE MOVES, ADDS, AND CHANGES.
40. THE TELECOMMUNICATIONS SPECIFICATIONS ARE AN INTEGRAL PART OF THE TELECOMMUNICATIONS CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL INFORMATION PROVIDED IN BOTH THESE DRAWINGS AND THE ASSOCIATED TELECOMMUNICATIONS SPECIFICATIONS PRIOR TO PREPARING A BID FOR THE TELECOMMUNICATIONS WORK AND SHALL AFFIRM HAVING DONE SO BY THE SUBMISSION OF A BID FOR STATED WORK.
41. FURNISH AND INSTALL ALL NECESSARY LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO INSTALL COMPLETE AND OPERATIONAL TELECOMMUNICATIONS SYSTEMS ACCORDING TO THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS WHETHER ITEMIZED OR NOT.
42. THE CONTRACTOR SHALL HAVE THOROUGHLY EXAMINED THE SITE AND FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS, AND SHALL HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS PROPOSAL. THE TELECOMMUNICATIONS DRAWINGS ARE DIAGRAMMATIC AND THE LOCATION OF THE DEVICES SHALL BE COORDINATED WITH THE ARCHITECT.
43. TELECOMMUNICATIONS WORK SHALL COMPLY WITH THE LATEST ENACTED EDITIONS OF BICSI STANDARDS.
44. FIRE SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH FIRE BARRIERS WITH AN APPROVED FIRE SEALANT EQUAL TO THE RATING OF THE SURFACE PENETRATED. FIRE SEAL INSIDE OF CONDUIT AFTER CONDUCTOR INSTALLATION.
45. FOR TELECOMMUNICATIONS PATCH PANELS AND FACEPLATES LABELING ADHERE TO THE DEPOT STANDARD.

TELECOM LEGEND:

- WALL PHONE - (1) CAT 6 VOICE MOUNTED AT 48" A.F.F.
- 1 — OUTLET TYPE 1 - (3) CAT 6 DATA, (1) CAT 6 VOICE
- 2 — OUTLET TYPE 2 - (2) CAT 6 DATA
- 3 — OUTLET TYPE 3 - (1) CAT 6 DATA
- 4 — OUTLET TYPE 4 - (1) CAT 6 DATA, (1) CAT 6 VOICE
- 5 — OUTLET TYPE 5 - (4) CAT 6 DATA
- QUEUE MONITOR - (1) CAT 6 DATA
- J / WAP — WIRELESS ACCESS POINT - (1) CAT 6 DATA
- BASKET CABLE TRAY
- (S) — INDOOR SPEAKER
- S — OUTDOOR SPEAKER
- FIXED CCTV IP CAMERA
- DOOR CONTACT SWITCH
- (M) — INFRARED DETECTOR
- (P) — WIRELESS PANIC BUTTON
- KP — KEYPAD
- P — INSTALL SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING INTO DROP CEILING FOR INTERCOM DEVICE. MOUNT AT 48" AFF.
- I — INSTALL SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT STUBBED INTO DROP CEILING FOR INTERCOM DEVICE. MOUNT AT 48" AFF.

2 / EC-1 — DETAIL DESIGNATION; TOP NUMBER INDICATES DETAIL, BOTTOM LETTER/NUMBER INDICATES SHEET

CALL OUT SHEET NOTE REFERENCE TAG

ABBREVIATIONS:

#	NUMBER
AC	ALTERNATING CURRENT
ADN	AREA DISTRIBUTION NODE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLER UNIT
AIC	AMPS INTERRUPTING CURRENT
ALIS	AUTONOMIC LOGISTICS INFORMATION SYSTEM
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CONDUIT
CEC	CALIFORNIA ELECTRICAL CODE
CCTV	CLOSED CIRCUIT TELEVISION
CAT	CATEGORY
CH	CHILLER
CHWP	CHILLED WATER PUMP
CKT	CIRCUIT
CO	CONDUIT ONLY
COMM	COMMUNICATIONS (TELECOMM)
CRAC	COMPUTER ROOM AIR CONDITIONER
CRI	COLOR RENDITION INDEX
CT	CONDENSER TOWER
CT	CURRENT TRANSFORMER
CU	COPPER
CWP	CONDENSER WATER PUMP
DC	DIRECT CURRENT
DISC	DISCONNECT
(E)	EXISTING
ECC	EMERGENCY COMMUNICATIONS CENTER
EF	EXHAUST FAN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EUG	ELECTRICAL, UNDERGROUND
EVAC	FIRE ALARM EVACUATION CONTROL
EVC	EVAPORATIVE COOLER
(F)	FUTURE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINATION CABINET
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METAL CONDUIT
FLMC	LIQUIDTIGHT METALLIC CONDUIT
FO	FIBER OPTIC
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
HP	HORSE POWER
HID	HIGH INTENSITY DISCHARGE
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HWP	HOT WATER PUMP
IDF	INTERMEDIATE DISTRIBUTION FRAME
IES	INTERNATIONAL ELECTROTECHNICAL STANDARDS
IG	ISOLATED GROUND
INF	INFORMATION
ISP	INSIDE PLANT
ITE	INFORMATION TECHNOLOGY EQUIPMENT
JB	JUNCTION BOX
KVA	KILOVOLT AMPS
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LV	LOW VOLTAGE
MC	METAL CLAD
MDC	MODULAR DATA CENTER
MDP	MAIN DISTRIBUTION PANEL
MDP	MODULAR DEVICE PANEL
MM	MILLIMETER
MTD	MOUNTED
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N.I.E.S.	NOT IN ELECTRICAL SCOPE
NIPR	NON-CLASSIFIED INFORMATION PROTOCOL ROUTER
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OTS	OPEN TO STRUCTURE
PH,	PHASE
PA	PUBLIC ADDRESS SYSTEM
PB	PULL BOX
PDU	POWER DISTRIBUTION UNIT
POP	POST OFFICE PROTOCOL
(R)	REMOVE
RAH	RETURN AIR HANDLER
RF	RADIO FREQUENCY
RFP	REQUEST FOR PROPOSAL
RM	ROOM
RNG	RANDOM NUMBER GENERATOR
RSC	RIGID STEEL CONDUIT
SAH	SUPPLY AIR HANDLER
SAN	STORAGE AREA NETWORK
SEC	SECURITY
SCE	SOUTHERN CALIFORNIA EDISON (UTILITY COMPANY)
SF	SUPPLY FAN
SFD	SMOKE/FIRE DAMPER
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
TEL	TELEPHONE
THRU	THROUGH
TMGB	TELECOM MAIN GROUND BUS
TTB	TELECOM TERMINAL BOARD
TX	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UFC	UNIFORM FIRE CODE
UFER	A CONCRETE ENCASED GROUND ELECTRODE METHOD
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLTAMPERES
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSIONPROOF

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12/07/21
20-1059

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DATE 04/08/2020

JOB NO. DGS 140724

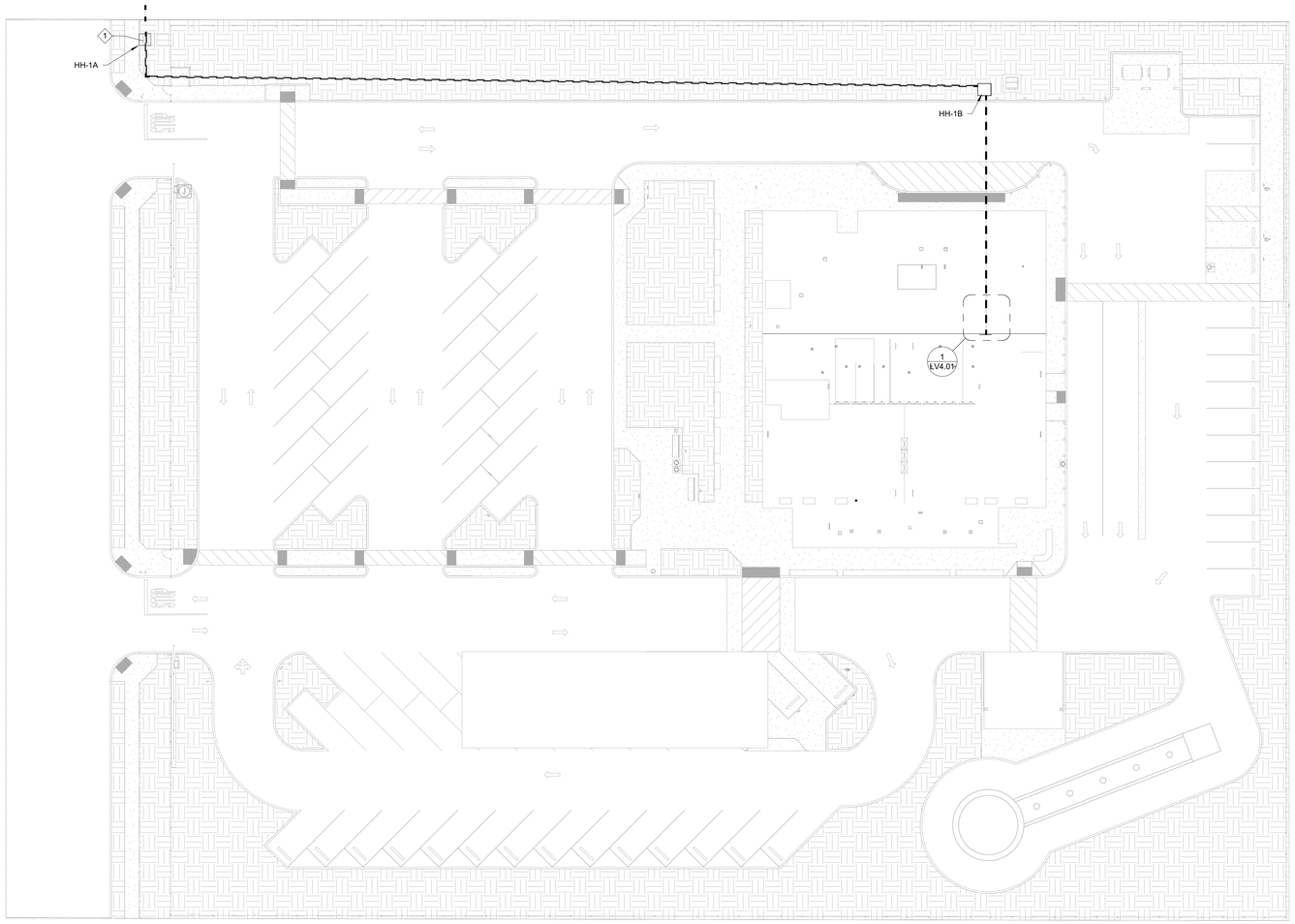
SHEET TITLE

TELECOM LEGEND, NOTES, AND ABBREVIATIONS

SHEET NO.

LV0.01

ISSUE DATE: JULY , 2023 V3



1 TELECOM SITE PLAN
1" = 20'-0"

GENERAL NOTES

A. FIELD VERIFY ALL CONDITIONS PRIOR TO START OF WORK.

KEYNOTES TELECOM SITE

KEY	DESCRIPTION
1	PROVIDE 4'X4'X4' VAULT FOR TELEPHONE AND INTERNET SERVICE. COORDINATE WITH SERVICE PROVIDER REQUIREMENTS.

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DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

TELECOM SITE PLAN

SHEET NO.

LV1.01

ISSUE DATE: JUL V4 2023

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

GENERAL NOTES

1. ALL TELECOM CONDUIT STUBS WILL BE MINIMUM 1" EMT. ALL WALL OUTLET BOXES FOR TELECOM TERMINATIONS WILL BE SINGLE GANG DEEP BOXES.
2. ALL HORIZONTAL CABLING WILL BE CATEGORY 6 RATED FOR INSTALLATIONENVIRONMENT.
3. CONTRACTOR TO FIELD VERIFY INSTALLATION CONDITIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL MAKE EVERY EFFORT TO PERFORM INSTALLATION FOLLOWING LATEST GUIDELINES OF TIA-568, -569, AND -607.
4. RJ-45 JACKS WILL BE BLUE FOR DATA, WHITE FOR VOICE, GRAY FOR SECURITY.
5. FACEPLATE COLORS TO BE COORDINATED WITH ARCHITECT BEFORE PURCHASING.
6. ALL CATEGORY 6 CABLES WILL BE TERMINATED ON PATCH PANELS AND TERMINATED IN T568A PIN-OUT CONFIGURATION.

TELECOM KEYNOTES

1. MODULAR SYSTEM FURNITURE OUTLETS TO BE SERVED VIA FLOOR OR WALL DEPENDING ON LOCATION TO FURNITURE OUTLET.

TELECOM LEGEND:

- WALL PHONE - (1) CAT 6 VOICE MOUNTED AT 48" A.F.F.
- 1 OUTLET TYPE 1 - (3) CAT 6 DATA, (1) CAT 6 VOICE
- 2 OUTLET TYPE 2 - (2) CAT 6 DATA
- 3 OUTLET TYPE 3 - (1) CAT 6 DATA
- 4 OUTLET TYPE 4 - (1) CAT 6 DATA, (1) CAT 6 VOICE
- 5 OUTLET TYPE 5 - (4) CAT 6 DATA
- QUEUE MONITOR - (1) CAT 6 DATA
- J WAP — WIRELESS ACCESS POINT - (1) CAT 6 DATA
- BASKET CABLE TRAY
- S — INDOOR SPEAKER
- S — OUTDOOR SPEAKER
- FIXED CCTV IP CAMERA
- DOOR CONTACT SWITCH
- M — INFRARED DETECTOR
- P — WIRELESS PANIC BUTTON
- KP — KEYPAD
- P — INSTALL SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING INTO DROP CEILING FOR INTERCOM DEVICE. MOUNT AT 48" AFF.
- I — INSTALL SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT STUBBED INTO DROP CEILING FOR INTERCOM DEVICE. MOUNT AT 48" AFF.

1 LOW VOLTAGE FLOOR PLAN
3/16" = 1'-0"

N

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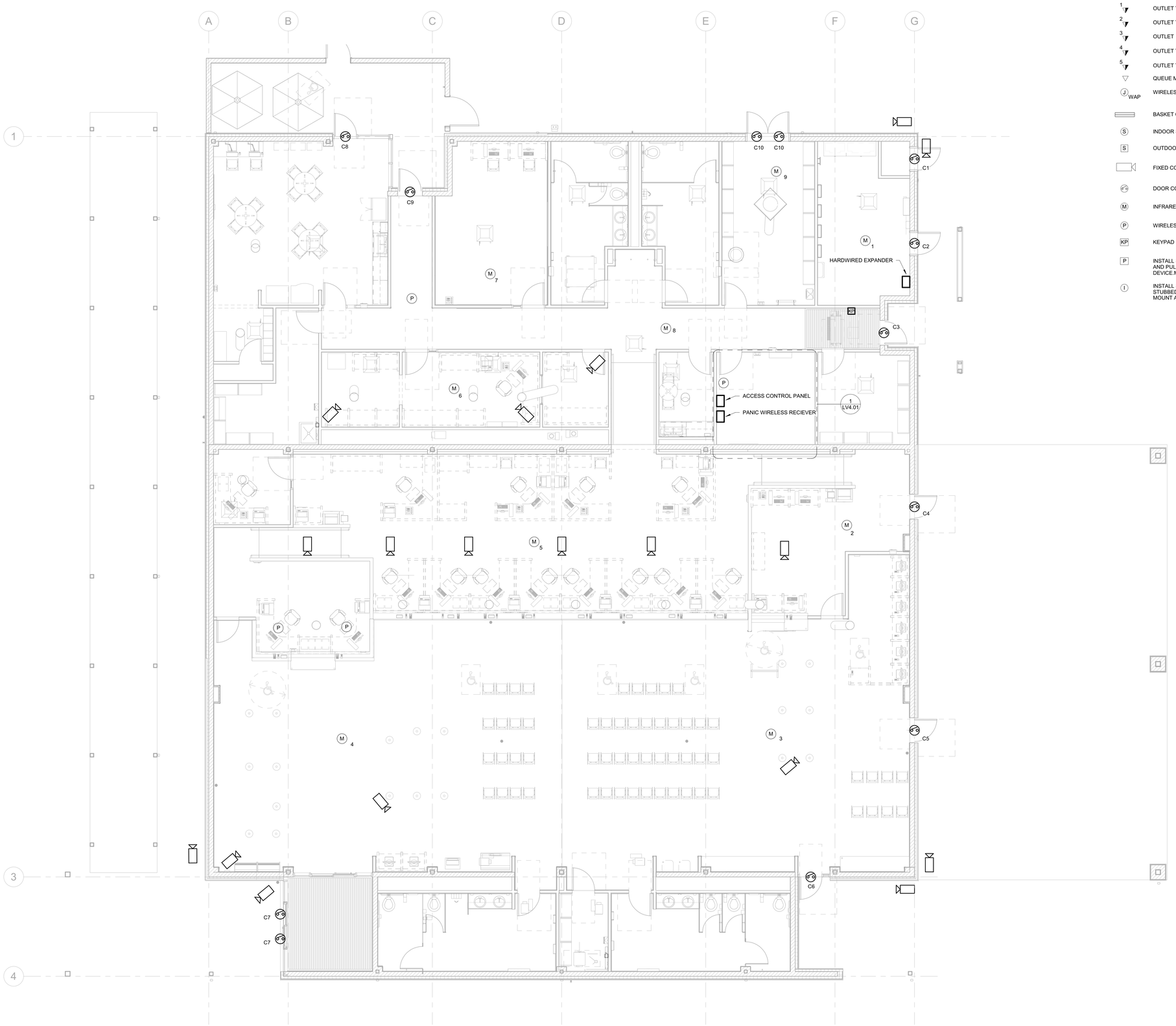
LOW VOLTAGE FLOOR PLAN

SHEET NO.
LV1.02

ISSUE DATE: JULY , 2023 V3

0154



1 LOW VOLTAGE SECURITY FLOOR PLAN
3/16" = 1'-0"

TELECOM LEGEND:

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- 1 OUTLET TYPE 1 - (3) CAT 6 DATA, (1) CAT 6 VOICE
- 2 OUTLET TYPE 2 - (2) CAT 6 DATA
- 3 OUTLET TYPE 3 - (1) CAT 6 DATA
- 4 OUTLET TYPE 4 - (1) CAT 6 DATA, (1) CAT 6 VOICE
- 5 OUTLET TYPE 5 - (4) CAT 6 DATA
- QUEUE MONITOR - (1) CAT 6 DATA
- (J) WAP — WIRELESS ACCESS POINT - (1) CAT 6 DATA
- BASKET CABLE TRAY
- (S) INDOOR SPEAKER
- [S] OUTDOOR SPEAKER
- FIXED CCTV IP CAMERA
- DOOR CONTACT SWITCH
- (M) INFRARED DETECTOR
- (P) WIRELESS PANIC BUTTON
- [KP] KEYPAD
- [P] INSTALL SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING INTO DROP CEILING FOR INTERCOM DEVICE.MOUNT AT 48" AFF.
- (I) INSTALL SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT STUBBED INTO DROP CEILING FOR INTERCOM DEVICE. MOUNT AT 48" AFF.

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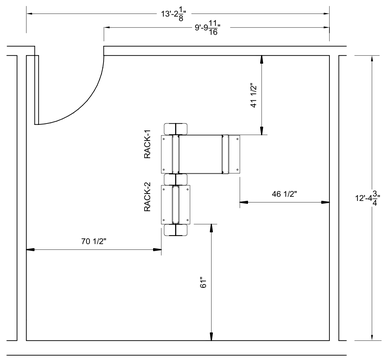
SHEET TITLE

LOW VOLTAGE
CAMERA LOCATIONS

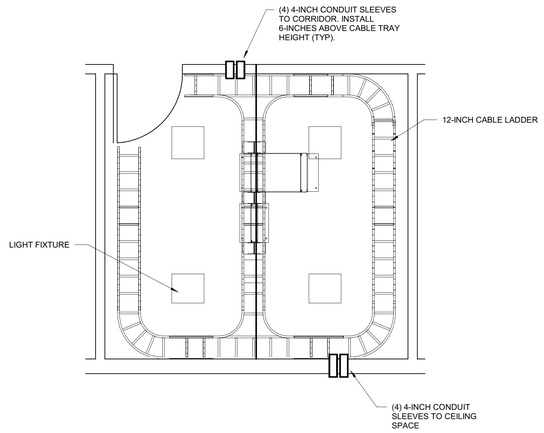
SHEET NO.

LV1.03

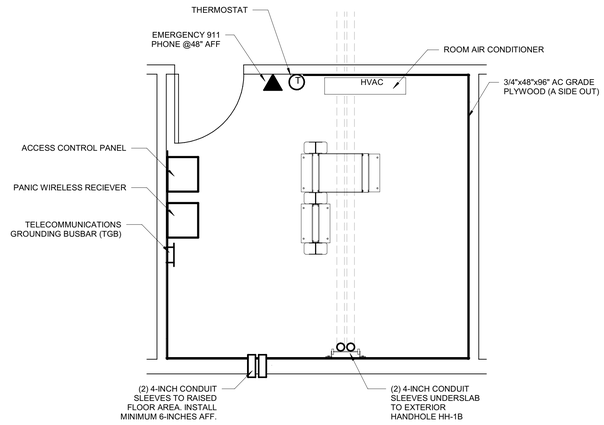
ISSUE DATE: JULY , 2023 V3



1 COMM ROOM 111 ROOM DIMENSIONS
3/8" = 1'-0"



2 COMM ROOM 111 REFLECTED CEILING PLAN
3/8" = 1'-0"



3 COMM ROOM 111 ROOM LAYOUT
3/8" = 1'-0"

RACK-1

4 EQUIPMENT RACK - 1
3/8" = 1'-0"

RACK-2

5 EQUIPMENT RACK - 2
3/8" = 1'-0"

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SHEET TITLE

TELECOM ENLARGED PLANS

SHEET NO.
LV4.01

ISSUE DATE: JULY , 2021
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ONE INCH = TWENTY FEET
ONE-HALF INCH = ONE FOOT
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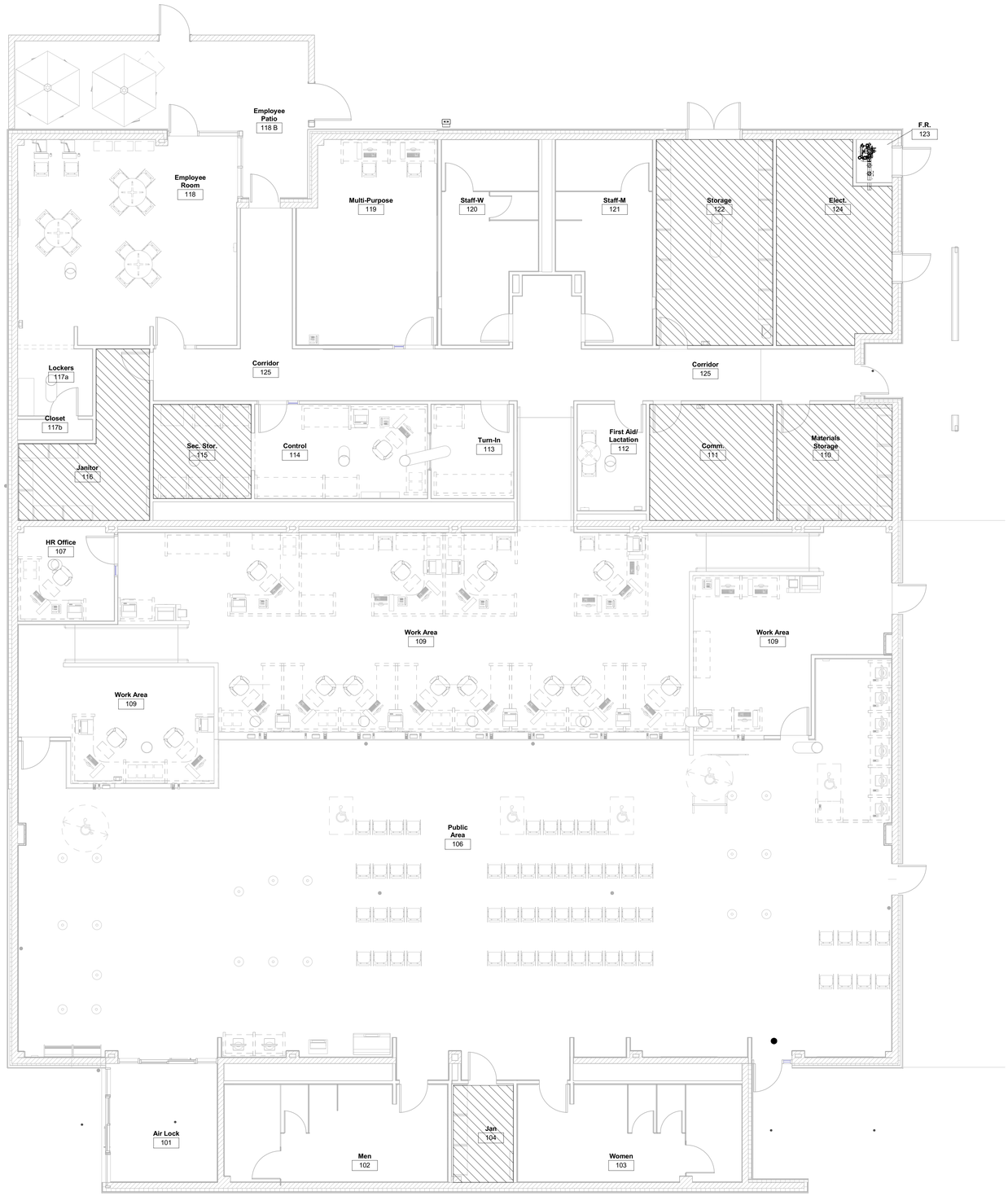
0156



1 FIRE PROTECTION FLOOR PLAN

3/16" = 1'-0"

LEGEND

LIGHT HAZARD: DESIGN CRITERIA: 0.10 GPM/FT² OVER 1500 FT²
HOSE STREAM 100 GPM.

ORDINARY HAZARD GROUP 1: DESIGN CRITERIA: 0.15 GPM/FT² OVER 1500 FT², HOSE STREAM 250 GPM.

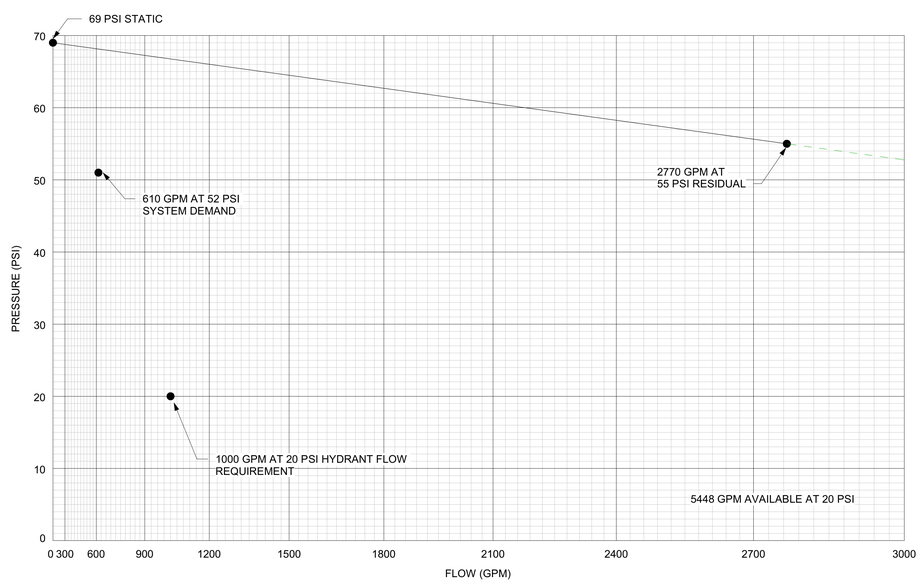
GENERAL NOTES

1. ALL FIRE PROTECTION SYSTEMS SHALL BE INSTALLED AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS. THE DESIGN INTENT IS TO COMPLY WITH THE 2019 CALIFORNIA BUILDING CODE AND THE 2019 CALIFORNIA FIRE CODE.
2. INSTALL WET PIPE SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
3. ALL SPRINKLER SYSTEM PIPING SHALL BE SCHEDULE 40 STEEL PIPING FOR SIZES 2 INCHES AND LESS IN DIAMETER. PROVIDE NO LESS THAN SCHEDULE 10 STEEL PIPING FOR SIZES GREATER THAN 2 INCHES.
4. ALL DEVICES TO BE UL LISTED OR FM APPROVED.
5. PROVIDE ALL HANGERS INCLUDING TRAPEZE HANGERS AS REQUIRED TO COMPLY WITH NFPA 13. HANGERS SHALL BE DESIGNED FOR SEISMIC CONSIDERATIONS.
6. PROVIDE SPARE SPRINKLERS AND SPRINKLER WRENCH IN METAL CABINET PER NFPA 13.
7. PROVIDE A LIST OF THE INSTALLED SPRINKLERS CONTAINING THE FOLLOWING INFORMATION:
   A. SPRINKLER IDENTIFICATION NUMBER (SIN) OR THE MANUFACTURER, MODEL, ORIFICE, DEFLECTOR TYPE, THERMAL SENSITIVITY, AND PRESSURE RATING.
   B. GENERAL DESCRIPTION
   C. QUANTITY OF EACH TYPE TO BE KEPT IN THE CABINET
   D. ISSUE OR REVISION DATE OF THE LIST

1
1. COORDINATE EXACT LOCATIONS OF SPRINKLERS AND PIPING WITH CEILING, ELECTRICAL, MECHANICAL AND STRUCTURAL ELEMENTS OF BUILDING. PROVIDE SHOP DRAWINGS AS REQUIRED BY NFPA 13 DEPICTING FULFILLMENT OF THESE COORDINATION REQUIREMENTS.
2. PROVIDE ALL DRAINS AND INSPECTION TEST CONNECTIONS REQUIRED TO COMPLY WITH NFPA 13.
3. FLUSH AND TEST SYSTEM IN ACCORDANCE WITH NFPA 13, 24, AND THE CONTRACT SPECIFICATIONS.
4. ALL VALVES WHICH CONTROL FLOW OF WATER SHALL BE EQUIPPED WITH A TAMPER SWITCH CONNECTED TO THE FIRE ALARM SYSTEM.
5. SEAL ALL OPENINGS THROUGH FLOORS, CEILINGS AND PARTITIONS TO RE-ESTABLISH THE FIRE RATING OF THAT FLOOR, CEILING OR PARTITION. SEE ARCHITECTURAL DRAWINGS FOR RATINGS.
6. PROVIDE END CAPS TAPPED WITH A VALVED GAUGE PORT FOR TESTING PRESSURE AND A LOW POINT DRAIN ON ALL PIPES IN TRENCH TO ALLOW DRAINING.
7. PROVIDE ALL EQUIPMENT I.E. CONTROL VALVES, CHECK VALVES WITH A MINIMUM CLEARANCE OF 3 FEET.
8. SPRINKLER PIPE AND FITTINGS MUST BE METAL.
9. PLAIN END FITTINGS WITH MECHANICAL COUPLINGS AND FITTINGS THAT USE STEEL GRIPPING DEVICES TO BITE INTO THE PIPE ARE PROHIBITED. STEEL PIPING WITH WALL THICKNESS LESS THAN SCHEDULE 40 MUST NOT BE THREADED OR CUT GROOVED.
10. SIDE OUTLET TEES USING RUBBER GASKET FITTINGS ARE NOT PERMITTED.
11. THE SAME MANUFACTURER MUST SUPPLY FITTINGS, MECHANICAL COUPLINGS, AND RUBBER GASKETS.
12. ALL SPRINKLER PIPING MUST BE CONCEALED EXCEPT IN SPACES WITHOUT CEILINGS.
13. PROVIDE FITTINGS FOR CHANGES IN DIRECTION OF PIPING AND FOR CONNECTIONS. MAKE CHANGES IN PIPE SIZES THROUGH TAPERED REDUCING PIPE FITTINGS.
14. TERMINATE ALL DRAINAGE AND INSPECTOR TEST CONNECTION PIPING TO THE EXTERIOR OF THE BUILDING SO IT WILL NOT CAUSE DAMAGE. DISCHARGE TO THE EXTERIOR MUST NOT INTERFERE WITH EXITING FROM THE BUILDING. WATER DISCHARGE MUST NOT CROSS AN EXIT OR EXIT DISCHARGE.
15. ANY DRAINS, TEST CONNECTION PIPE, ETC. THAT PENETRATE THE EXTERIOR WALL MUST DO SO NO GREATER THAN 2 FEET ABOVE FINISHED GRADE.
16. THE DRAIN/TEST CONNECTION MUST BE PIPED TO A LOCATION THAT WILL ACCEPT FULL FLOW AND WILL NOT CAUSE PROPERTY DAMAGE WHEN WATER IS DISCHARGING. DISCHARGE TO ANY SINK IS NOT ACCEPTABLE.
17. TO FACILITATE TESTING, PROVIDE A PERMANENTLY PIPED DRAIN/TEST CONNECTION FOR EACH FLOW SWITCH.
18. PROVIDE SPRINKLER HEAD GUARDS FOR SPRINKLERS THAT ARE LESS THAN 7 FEET ABOVE FINISHED FLOOR.
19. HYDRANT FLOW TEST WAS PERFORMED ON 17 JANUARY 2020 BY THE KERN COUNTY FIRE DEPARTMENT. THE TEST WAS TAKEN NEAR THE INTERSECTION OF MORSE STREET AND DOVER PARKWAY. THE RESULTS OF THE TEST WERE 69 PSI STATIC, 55 PSI RESIDUAL WITH 2770 GPM FLOWING.

2 FIRE PROTECTION NOTES

NONE



3 HYDRAULIC GRAPH

NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120743 INC: 0
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 10/01/2020

AGENCY APPROVAL

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
12/07/21
20-1059
Approval of this plan does not authorize or approve any omission or deviation from applicable requirements. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

STATE FIRE MARSHALL APPROVAL

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES - DMV
Dover Parkway, Delano
California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
CHARLES A. DAVIS
FP 1953
FIRE PROTECTION
STATE OF CALIFORNIA

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P 916.329.4000

ARCHITECT

AGENCY SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1	SFM Review	07/02/20

DATE 04/08/2020

JOB NO. DGS 140724

SHEET TITLE

FIRE PROTECTION FLOOR PLAN

SHEET NO.

F1.01

ISSUE DATE: JULY , 2023 V3

ONE INCH = TWENTY FEET 0 5 10 20 40 60 80
ONE- SIXTEENTH INCH = ONE FOOT 0 4 8 16 32
ONE- EIGHTH INCH = ONE FOOT 0 4 8 16
ONE- QUARTER INCH = ONE FOOT 0 4 8
ONE- HALF INCH = ONE FOOT 0 6
ONE INCH = ONE FOOT 0 6
THREE- QUARTERS INCH = ONE FOOT 0 6
ONE AND ONE- HALF INCH = ONE FOOT 0 6

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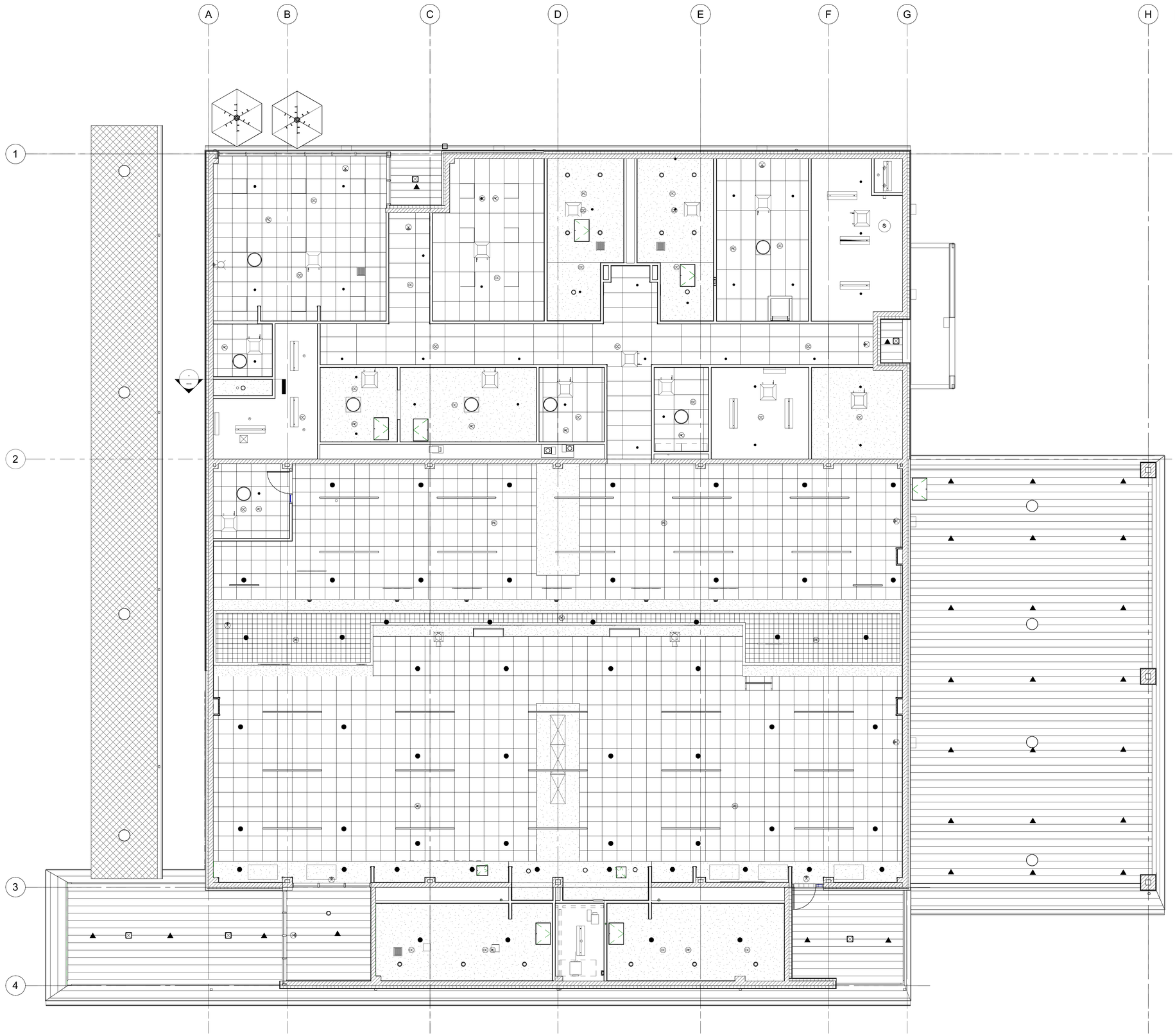

NOTES

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2. FIRE SPRINKLER DESIGN SHALL BE SUBMITTED AS DEFERRED SUBMITTAL. SPRINKLER LAYOUT IS SHOWN FOR INTENTION ONLY.

SPRINKLER LEGEND

- SEMI-RECESSED QUICK-RESPONSE SPRINKLER
- UPRIGHT QUICK-RESPONSE SPRINKLER
- CONCEALED QUICK-RESPONSE SPRINKLER
- DRY UPRIGHT HEADS

1 FIRE SPRINKLER LAYOUT
3/16" = 1'-0"

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Dover Parkway, Delano

California Department of General Services

REGISTERED PROFESSIONAL ENGINEER
CHARLES A. DAVIS
FP1983
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SPRINKLER HEAD LAYOUT

SHEET NO.
F1.02

ISSUE DATE: JULY , 2021 V3

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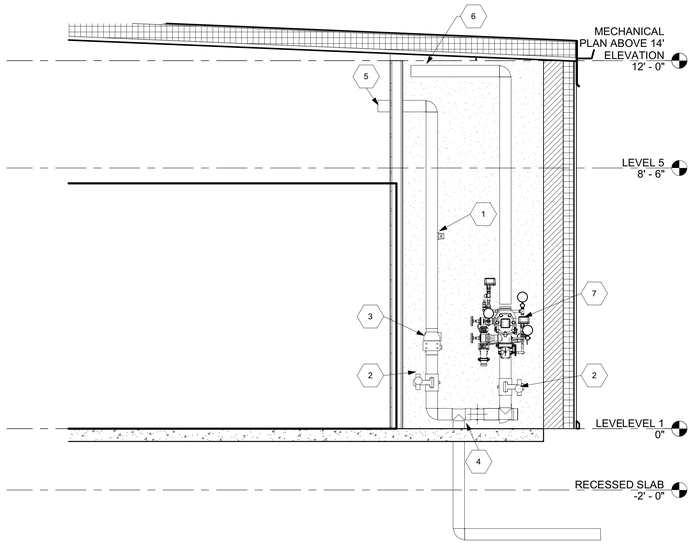
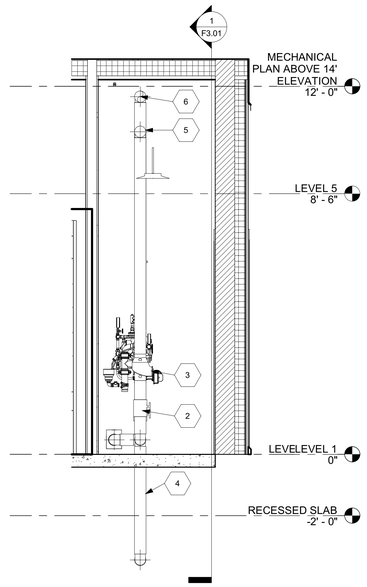


1 RISER ELEVATION
1/2" = 1'-0"



2 RISER ELEVATION 2
1/2" = 1'-0"

KEYNOTES

1 FLOW SWITCH
2 BUTTERFLY VALVE WITH TAMPER
3 RISER CHECK VALVE
4 FROM SUPPLY
5 TO WET PIPE SPRINKLERS
6 TO DRY SPRINKLERS UNDER CANOPY
7 DRY PIPE VALVE

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RISER SECTIONS

SHEET NO.

F3.01

ISSUE DATE: JULY , 2020