

VICINITY MAP

## STRUCTURES UNDER SEPARATE PERMIT:

THE FOLLOWING STRUCTURES ARE SUBMITTED TO COUNTY OF FRESNO FOR APPROVAL AND ISSUANCE OF SEPARATE PERMITS:

I. PHASE I: SITE AND SHADE STRUCTURE 2. PHASE 3: WAREHOUSE

## DEFERRED APPROVAL:

- I. FIRE SPRINKLERS: CONTRACTOR TO SUBMIT PLANS TO AND OBTAIN PERMIT FROM FRESNO COUNTY PRIOR TO INSTALLATION OF THE FIRE SPRINKLERS. LAYOUT AND DETAIL OF THE FIRE SPRINKLER SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND "FRESNO FIRE DEPARTMENT (FFD) PRIOR TO SUBMITTING THE PLANS TO FRESNO COUNTY. THE FIRE SPRINKLER SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED AND APPROVED BY THE APPROPRIATE FIRE MARSHALL PRIOR TO APPROVAL OF OCCUPANCY OF THE BUILDING. SEE SPECIFICATIONS.
- 2. FIRE ALARMS: CONTRACTOR SHALL SUBMIT PLANS TO AND OBTAIN PERMIT FROM FRESNO COUNTY AND FRESNO FIRE DEPARTMENT FOR THE INSTALLATION OF FIRE ALARM SYSTEM. SEE SPECIFICATIONS. SENERAL CONTRACTOR SHALL COORDINATE FIRE ALARM SYSTEM INTERFACES BETWWEEN FIRE ALARM CONTRACTOR, SPRINKLER, CONTRACTOR, MECHANICAL CONTRACTOR AND ANY OTHER PERTINENT TRACES (FIRE ALARM, SPRINKLER SYSTEM, HOOD AND VENT EXTINGUISHING SYSTEM, HVAC, FIRE SMOKE DAMPERS, ETC.) ALL WORK MUST REMAIN VISIBLE AND MAY NOT BE COVERED UNTIL REQUIRED FIRE INSPECTIONS HAVE BEEN COMPLETED BY THE FIRE DEPARTMENT.

## GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE TO STRICTLY COMPLY WITH DIMENSIONS ON THE DRAWINGS RELATING TO ACCESSIBILITY ELEMENTS. DIMENSIONS THAT DO NOT SPECIFY "MINIMUM" (MIN) OR "MAXIMUM" (MAX) TOLERANCES SHALL BE CONSIDERED AS "ABSOLUTE". MINIMUM AND MAXIMUM DIMENSIONS SHALL BE CONSIDERED THE ABSOLUTE TOLERANCE LIMITS. ACCESSIBILITY ELEMENTS INSTALLED THAT DO NOT COMPLY WITH DIMENSIONAL CONSTRAINTS SHALL BE REMOVED AND REINSTALLED WITH NO ADDITIONAL COST TO THE COUNTY OF FRESNO.
- 2. CHANGES FROM THE APPROVED PLANS DURING THE COURSE OF CONSTRUCTION SHALL CAUSE CONSTRUCTION SPECIFIC TO THE AREA OF CHANGE TO BE SUSPENDED UNTIL SUCH TIME AS THE PLANS CAN BE AMENDED BY THE ARCHITECT AND SUBMITTED TO THE COUNTY FOR REVIEW AND APPROVAL [CBC 107].
- 3. THE CONTRACTOR SHALL PROVIDE (1) ONE N.F.P.A. CLASS 2A-IOBC FIRE EXTINGUISHER AT THE JOB SITE DURING CONSTRUCTION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE WORK SITE IN A SECURED CONDITION.
- 5. CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION SHALL BE STRICTLY FOLLOWED.
- 6. THE APPROVAL OF THESE PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, MUNICIPAL ORDINANCES, OR STATE LAWS.
- 1. THESE APPROVED PLANS AND RELATED DOCUMENTS MUST BE AVAILABLE AT THE JOB SITE DURING ANY INSPECTION ACTIVITY.
- 8. SOILS AND SPECIAL CONCRETE TESTING SHALL BE CONDUCTED BY THE FRESNO COUNTY MATERIALS AND TESTING LABORATORY.
- 9. STEEL FABRICATION SPECIAL INSPECTION SHALL BE CONDUCTED BY KRAZAN AND ASSOCIATES, 215 WEST DAKOTA AVENUE CLOVIS, CA 93612 (559-348 2200)
- 10. CONTRACTOR SHALL PROVIDE A CHEMICAL TOILET ON SITE DURING CONSTRUCTION.
- II. CONSTRUCTION WASTE MANAGEMENT PLAN MUST BE FINALIZED PRIOR TO OCCUPANCY.

## FRESNO FIRE DEPARTMENT NOTES:

- SUBMIT PLANS TO AND OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISION FOR THE INSTALLATION OR MODIFICATION OF FIRE SPRINKLER SYSTEM. INSTALLATIONS MUST ALSO COMPLY WITH FFD POLICY SECTION 405. FFD POLICIES CAN BE FOUND ON THE FIRE DEPARTMENT WEBPAGE UNDER FIRE PREVENTION & INVESTIGATION, FIRE DEPARTMENT POLICIES.
- 2. SUBMIT PLANS TO AND OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISION FOR THE INSTALLATION OR MODIFICATION OF FIRE ALARM SYSTEM. SEE FFD POLICY 401.012.
- 3. THE GENERAL CONTRACTOR SHALL COORDINATE THE FIRE ALARM SYSTEM INTERFACES BETWEEN THE FIRE ALARM CONTRACTOR, SPRINKLER CONTRACTOR, MECHANICAL CONTRACTOR AND ANY OTHER PERTINENT TRADES (FIRE ALARM, SPRINKLER SYSTEM, HOOD AND VENT EXTINGUISHING SYSTEM, HVAC, FIRE SMOKE DAMPERS, ETC.). ALL WORK MUST REMAIN VISIBLE AND MAY NOT BE COVERED UNTIL THE REQUIRED FIRE INSPECTIONS HAVE BEEN COMPLETED BY THE FIRE DEPARTMENT.
- EMERGENCY ALARM SYSTEM INTERCONNECTION REQUIREMENTS: WHERE AN EMERGENCY ALARM SYSTEM IS REQUIRED BY THIS SECTION AND A BUILDING FIRE ALARM IS INSTALLED, THE EMERGENCY ALARM SYSTEM SHALL BE INTERCONNECTED WITH AND SUPERVISED BY THE BUILDING FIRE ALARM SYSTEM. FMC 10-50908.4 AND NFPA SECTIONS 10.7 AND 10.10. IF APPLICABLE.
- 5. ALL WEATHER ACCESS ROADS SHALL BE INSTALLED AND MAINTAINED IN A SERVICEABLE CONDITION PRIOR TO AND DURING CONSTRUCTION. (FFD DEVELOPMENT POLICY 403.002)
- 6. ADDRESS IDENTIFICATION. FOR NEW AND EXISTING BUILDINGS, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE APPROVED ADDRESS OR BUILDING IDENTIFICATION SIGNAGE AS NEEDED TO READILY DETERMINE THE BUILDING OR AREA OF A BUILDING PROTECTED BY FIRE DEPARTMENT CONNECTIONS. FMC SECTION 10-50912.2.3.

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# FRESNO COUNTY ENVIRONMENTAL COMPLIANCE CENTER PHASE 2 - OFFICE / STORAGE BUILDING

## 310 S. West Avenue Fresno CA, 93706

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## CODE CITATIONS:

THE LATEST ADOPTED ADDITIONS OF THE CODES, STANDARDS AND REGULATIONS REQUIRED BY THE LOCAL JURISDICTION SHALL GOVERN ALL WORK IN THESE CONSTRUCTION DOCUMENTS INDICATED BY THE FOLLOWING.

APPLICABLE STATE CODES:

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS	
TITLE 24 CCR, PART I - 2019 BUILDING STANDARDS ADMINISTRATIVE CC	DE
TITLE 24 CCR, PART 2 - 2019 CALIFORNIA BUILDING CODE (CBC)	
TITLE 24 CCR, PART 3 - 2019 CALIFORNIA ELECTRICAL CODE (CEC)	
TITLE 24 CCR, PART 4 - 2019 CALIFORNIA MECHANICAL CODE (CMC)	
TITLE 24 CCR, PART 5 - 2019 CALIFORNIA PLUMBING CODE (CPC)	
TITLE 24 CCR, PART 6 - 2019 CALIFORNIA ENERGY CODE	

TITLE 24 CCR, PART 9 - 2019 CALIFORNIA FIRE CODE (CFC) TITLE 24 CCR, PART II - 2019 CALIFORNIA GREEN BUILDING STANDARDS

TITLE 24 CCR, PART 12- 2019 CALIFORNIA REFERENCED STANDARDS APPLICABLE CODE OF ORDINANCE:

COUNTY OF FRESNO ORDINANCE TITLE 15

APPLICABLE REFERENCE STANDARDS: 2019 NFPA 13, AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED) 2019 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED); SEE UL STD. 1971 FOR "VISUAL DEVICES"



GO.O COVER

ARCHII AI.I AI.2 A2.I A2.2 A3.I A3.2 A3.3 A4.I A4.2 A4.3 A4.3 A4.3 A5.1 A5.2 A5.3	IECTURAL SHEETS       I         REFERENCE OVERALL         REFERENCE ENLARGED         FLOOR PLANS & ELEV         REFLECTED CEILING PL         INTERIOR ELEVATIONS         DOOR SCHEDULE & WIN         TYPICAL DETAILS         BUILDING SECTIONS & J         WALL SECTIONS         CALGREEN COMPLIANC         CALGREEN COMPLIANC	SITE PLAN (SUBMIT SITE PLAN (SUBMIT ATIONS AN & ROOF PLAN & FINISH SCHEDULE IDOW ELEVATION WALL SECTIONS E SHEET I E SHEET 1
	TURAL SHEETS 3 FOUNDATION PLAN & D ROOF FRAMING PLAN, ( CANOPY DETAILS	ETAILS
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41.0 42.0 42.1 42.2	NICAL SHEETS OFFICE/ STORAGE/ TOI OFFICE BUILDING MECH, MECHANICAL SCHEDULE MECHANICAL TITLE 24 MECHANICAL TITLE 24	LET R <i>OO</i> M BUILDING ANICAL SCHEDULES
EI.I EI.2 EI.3 EI.4 EI.5	RICAL SHEETS OFFICE/ STORAGE BUILT LIGHTING SCHEDULES AN POWER DETAILS AND SC TITLE 24 COMPLIANCE I TITLE 24 COMPLIANCE I OFFICE/ STORAGE BUILT	DING ELECTRICAL N ND DETAILS CHEDULES DOCUMENTS DOCUMENTS
Γ <i>Ο</i> ΤΑL:	:	31 SHEETS

CONTRACT DOCUMENTS:	
ARCHITECT OF RECORD:	
TIANA L. PEREZ, ARCHITECT	
CALIFORNIA LICENSED ARCHITECT NO. C-38000 REN. 01-31-23 FRESNO COUNTY DEPARTMENT OF PUBLIC WORKS & PLANNING DEVELOPMENT SERVICES AND CAPITAL PROJECTS DIVISION 2220 TULARE STREET, EIGHTH FLOOR FRESNO, CALIFORNIA 93721 OFFICE: (559) 600-4536 E-MAIL: TPEREZ@FRESNOCOUNTY.GOV	The Information on this D define the Scope of Work significant changes to the by the Client Department Submitted by:
CONSULTANTS:	Title:            Date:
CIVIL / LANDSCAPE ENGINEER OF RECORD:	
LARS ANDERSEN & ASSOCIATES, INC. DANIEL ZOLDAK LIC.# RCE 66124 4694 W. JACQUELYN AVE. FRESNO CA, 93722 OFFICE: 559-276-2790 E-MAIL: LAINFO@LARSANDERSEN.COM	Accepted by: Title: Date:
MECHANICAL / PLUMBING ENGINEER OF RECORD:	CENSED ARCHIPE
LAWRENCE ENGINEERING GROUP MICHAEL CANTELMI LIC.# M23588 7084 NORTH MAPLE AVENUE, SUITE IOI FRESNO CA, 93720 OFFICE: 559-431-0101 E-MAIL: MIKE@LEGFRESNO.COM	$\begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$
ELECTRICAL ENGINEER OF RECORD:	Fresno County Environmental C Phase 2: Office /
HARDIN DAVIDSON ENGINEERING SCOTT DAVIDSON LIC.# EI7850 356 POLLASKY AVENUE SUITE 200 CLOVIS CA, 93612 OFFICE: 559-323-4995 E-MAIL: SD@HARDIN-DAVIDSON.COM	Project Address: 310 S APN: 458-060-72 Issue Date: Project No. T90203 File Path: G:Capital \ Pr Ave Landfill \ T90203 E 2018 ECC
ARCHITECTURAL CONSULTANT:	Sheet Content:
DYSON & JANZEN ARCHITECTS 1295 N. WISHON AVE. SUITE IOI FRESNO CA, 93728 OFFICE: 559-497-6370 E-MAIL: ADYSON@DYSONJANZEN.COM	Cover Sheet
	Fresno County De Public Works and Capital Pro
	2220 Tulare Stree Fresno, Califorr
	Sheet No.
	G0.0
	Bid Addendum 2 5-21-2021
14 15	Drawn by: MR (DJA)

## PROJECT DATA: PROJECT NAME: FRESNO COUNTY ENVIRONMENTAL COMPLIANCE CENTER OFFICE STORAGE BUILIDNG ADDRESS: 310 S. WEST AVENUE, FRESNO, CA. 93706 APN: 458-060-72 SITE AREA: 2.68 ACRE (SITE WORK IS SUBMITTED UNDER SEPARATE PERMIT) OFFICE/ STORAGE BUILDING AREA: 612 S.F. OFFICE/ STORAGE BUILDING OVERHANG AREA: 620 S.F TOTAL BUILDING AREA: 1,232 S.F. TYPE OF CONSTRUCTION: V-B (SPRINKLERED) OCCUPANCY GROUP: BUSINESS (B) /STORAGE (SI) ZONING: M-I LIGHT MANUFACTURING DISTRICT SCOPE OF WORK: THE WORK CONSISTS OF CONSTRUCTION OF A NEW 612 SQUARE FEET OFFICE/ STORAGE BUILDING, SITE WORK AND OTHER BUILDINGS ON THE SITE ARE SUBMITTED UNDER SEPARATE PFRMIT rawing is acceptable and shall to develop this Project. Any e Scope of Work shall be approved



ARCHITECT: Tiana L. Perez, Architect California Licensed Architect No. C-38000 Ren. 01-31-23 Fresno County Department of Public Works & Planning Development Services and Capital Projects Division 2220 Tulare Street, Eighth Floor Fresno, California 93721

Office: (559) 600-4536 E-mail: tperez@fresnocountyca.gov

Compliance Center Storage Building

West Avenue, Fresno CA 93706

ojects \ Building Numbers \ American nvironmental Compliance Center\ 00

193721

Plan Review Corrections 5-21-2021

Plotted on: 05.21.2021

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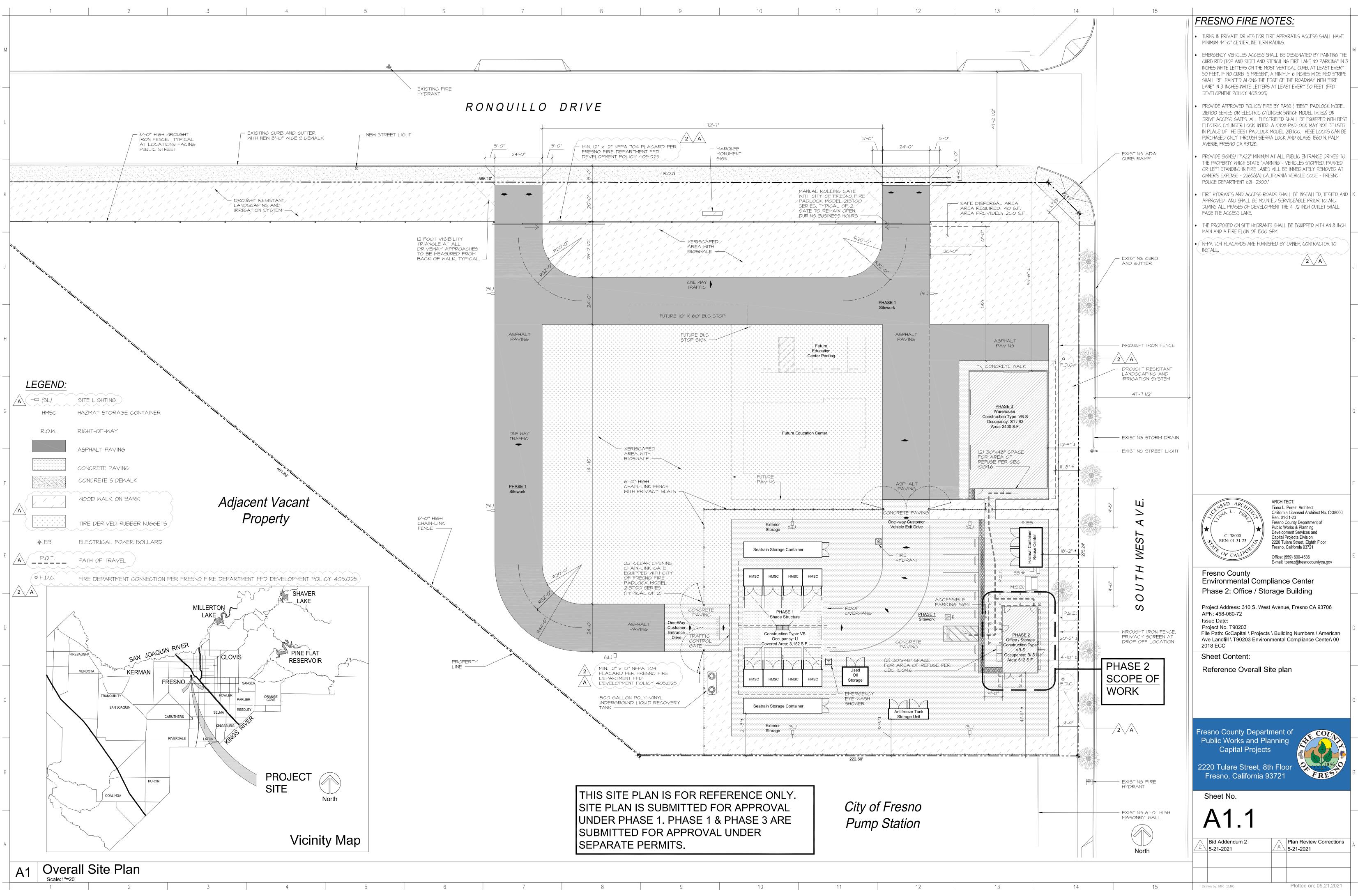
LAN & DETAILS

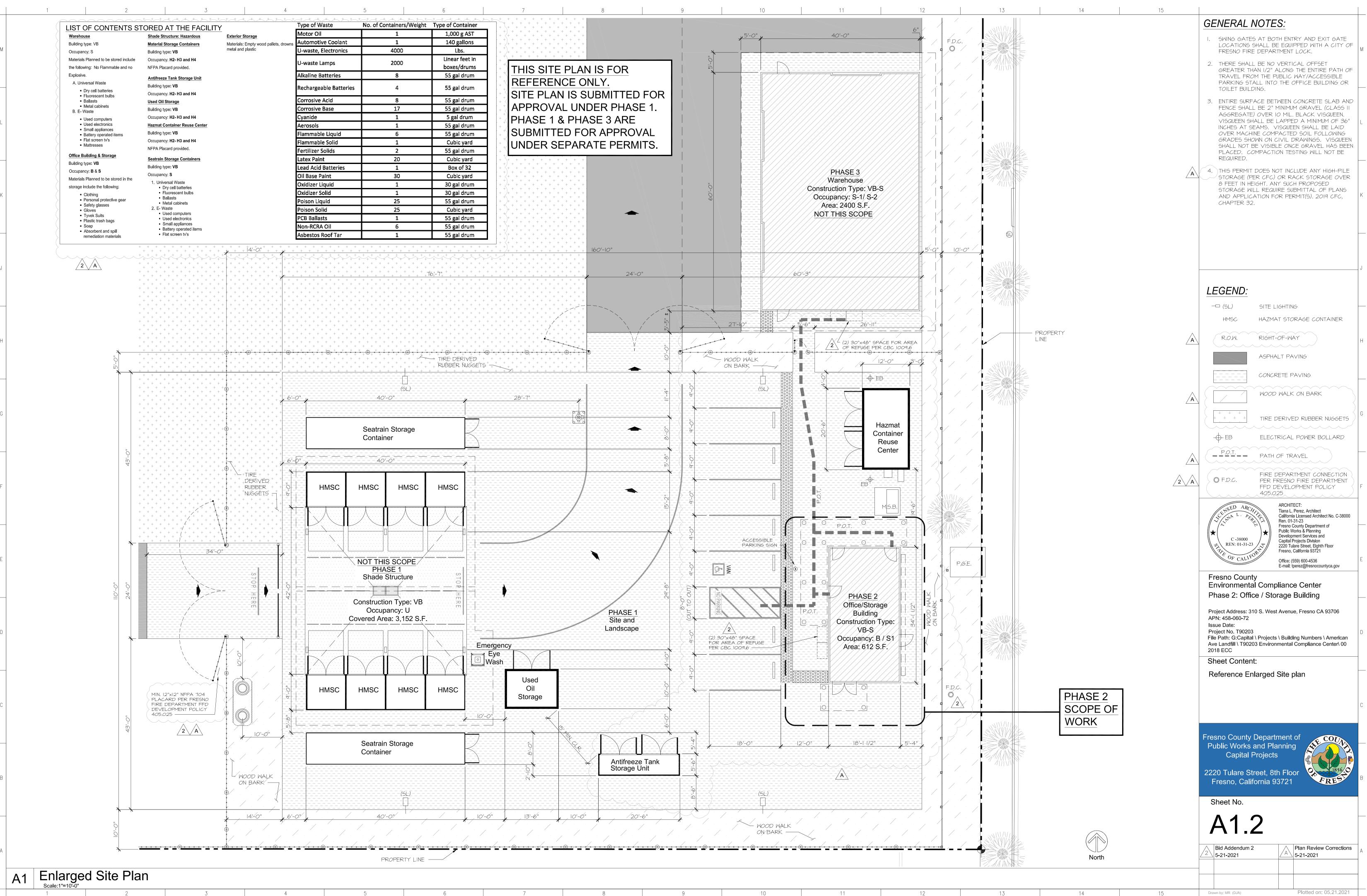
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NG MECHANICAL PLAN ES AND DETAILS

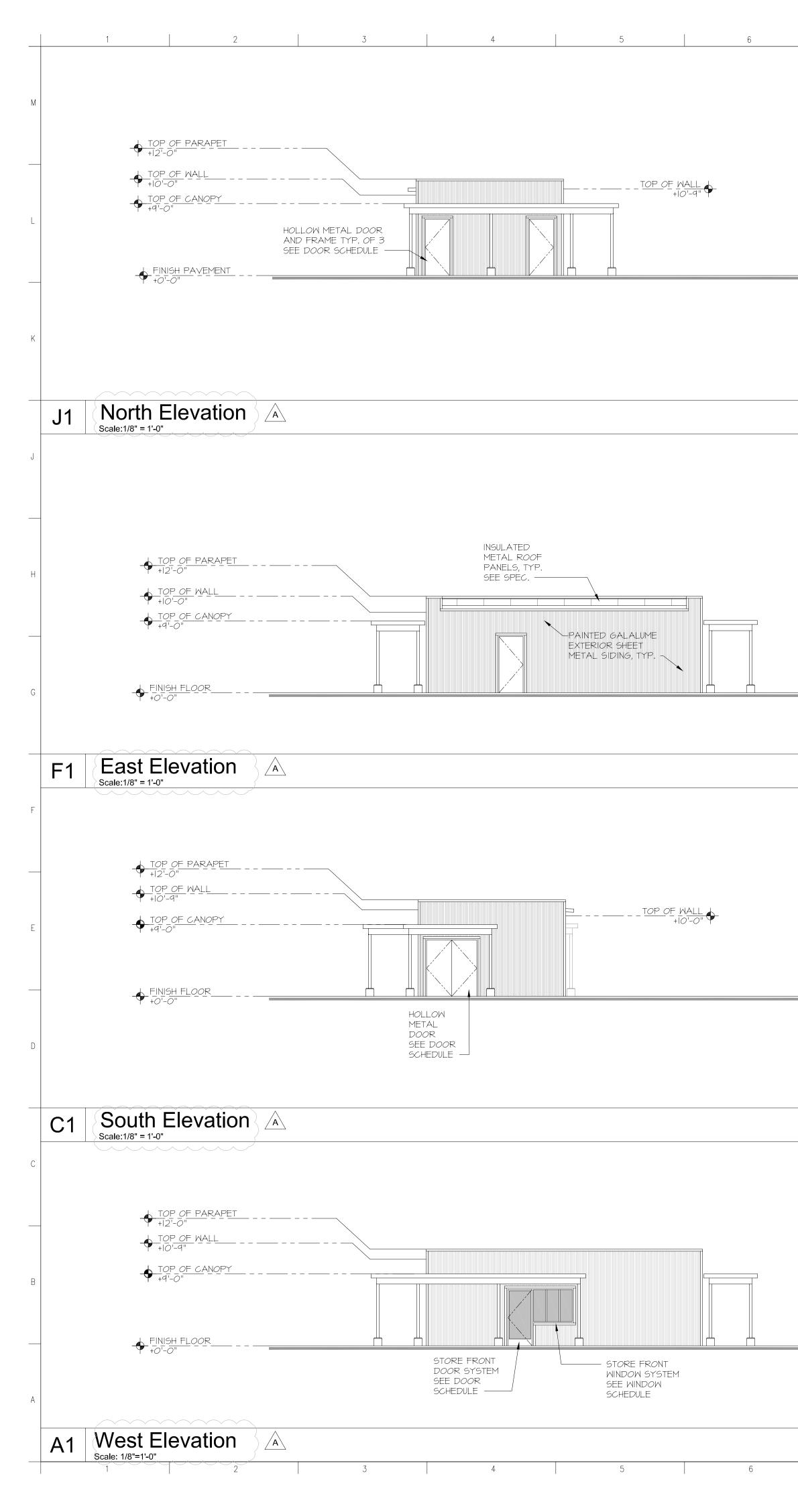
. NOTES AND SYMBOL

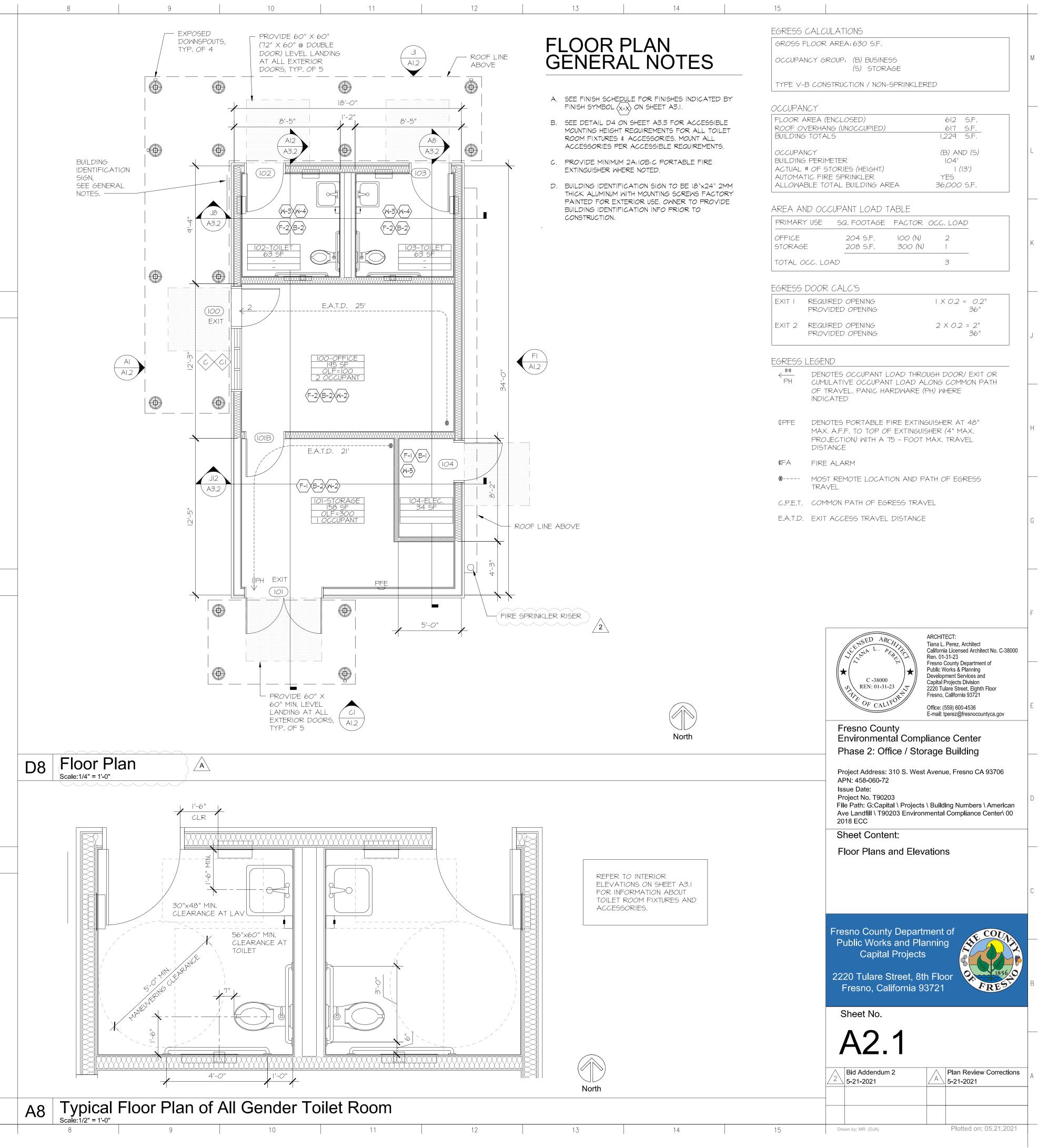
PLANS



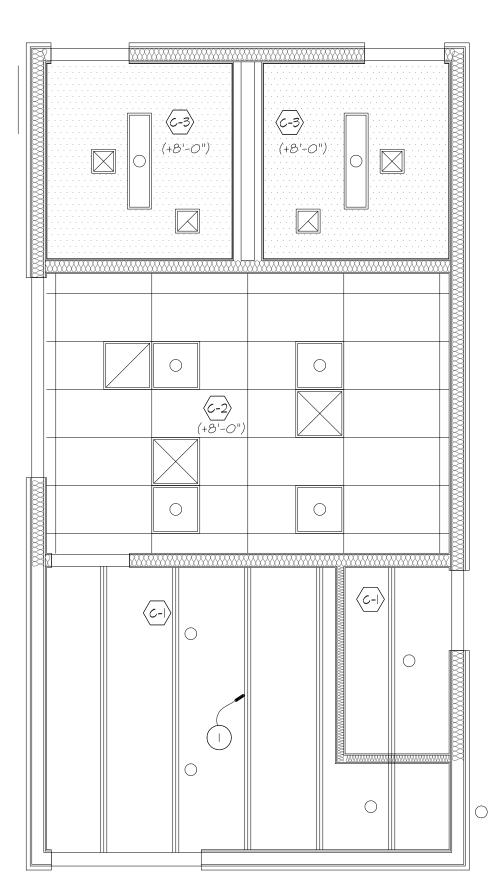


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GROSS F	ELOOR AREA: 630 S.F.		
OCCUPA	NCY GROUP: (B) BUSINESS (S) STORAGE		
TYPE V-	B CONSTRUCTION / NON-SPR	INKLERED	
CCUPAI			
	AREA (ENCLOSED) VERHANG (UNOCCUPIED)	612 S.F. 617 S.F.	
	TOTALS	1,229 S.F.	
OCCUPA	NCY	(B) AND (S)	
	> PERIMETER # OF STORIES (HEIGHT)	104' 1 (13')	
AUT <i>O</i> MA	TIC FIRE SPRINKLER	YES	
4LLOWA	BLE TOTAL BUILDING AREA	36,000 S.F.	
		-	
	ND OCCUPANT LOAD TABL		
-RIMAR	Y USE SQ. FOOTAGE FA		
DFFICE STORAG	204 S.F. 10 E 208 S.F. 30	0 (N) 2 20 (N) 1	
		3	
IOTAL C	DCC. LOAD	3	
		3	
GRESS	DOOR CALC'S		
GRESS		3   X 0.2 = 0.2" 36"	
GRESS Exit i	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING	X 0.2 = 0.2" 36" 2 X 0.2 = 2"	
GRESS Exit i	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING	X 0.2 = 0.2" 36"	
GRESS Exit i	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING	X 0.2 = 0.2" 36" 2 X 0.2 = 2"	
GRESS EXIT I EXIT 2 GRESS	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING	X 0.2 = 0.2" 36" 2 X 0.2 = 2"	
GRESS Exit I Exit 2	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING PROVIDED OPENING	X 0.2 = 0.2" 36" 2 X 0.2 = 2" 36" 2 THROUGH DOOR/ EXIT AD ALONG COMMON PA	OR
GRESS EXIT I EXIT 2 GRESS	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING PROVIDED OPENING LEGEND DENOTES OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD OF TRAVEL. PANIC HARDW	I X 0.2 = 0.2" 36" 2 X 0.2 = 2" 36" THROUGH DOOR/ EXIT AD ALONG COMMON PA IARE (PH) WHERE EXTINGUISHER AT 48" TINGUISHER (4" MAX.	OR
GRESS EXIT I EXIT 2 GRESS CHH	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING PROVIDED OPENING DENOTES OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD OF TRAVEL. PANIC HARDMINDICATED DENOTES PORTABLE FIRE MAX. A.F.F. TO TOP OF EX PROJECTION) WITH A 75 -	I X 0.2 = 0.2" 36" 2 X 0.2 = 2" 36" THROUGH DOOR/ EXIT AD ALONG COMMON PA IARE (PH) WHERE EXTINGUISHER AT 48" TINGUISHER (4" MAX.	OR
GRESS EXIT I EXIT 2 GRESS ←## PH	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING PROVIDED OPENING LEGEND DENOTES OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD OF TRAVEL. PANIC HARDMINDICATED DENOTES PORTABLE FIRE MAX. A.F.F. TO TOP OF EX PROJECTION) WITH A 75 - DISTANCE	I X 0.2 = 0.2" 36" 2 X 0.2 = 2" 36" THROUGH DOOR/ EXIT DAD ALONG COMMON PA JARE (PH) WHERE EXTINGUISHER AT 48" TINGUISHER (4" MAX. FOOT MAX. TRAVEL	OR
GRESS EXIT 1 EXIT 2 GRESS GRESS H# PH OPFE (FA ()	DOOR CALC'S REQUIRED OPENING PROVIDED OPENING REQUIRED OPENING PROVIDED OPENING DENOTES OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD CUMULATIVE OCCUPANT LOAD OF TRAVEL. PANIC HARDMINDICATED DENOTES PORTABLE FIRE MAX. A.F.F. TO TOP OF EX PROJECTION) WITH A 75 - DISTANCE FIRE ALARM MOST REMOTE LOCATION ,	I X 0.2 = 0.2" 36" 2 X 0.2 = 2" 36" 2 THROUGH DOOR/ EXIT AD ALONG COMMON PA AND PATH OF EGRESS	OR



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# REFLECTED CEILING PLAN KEYNOTES 🚿

I. ROOF FRAMING MEMBERS.

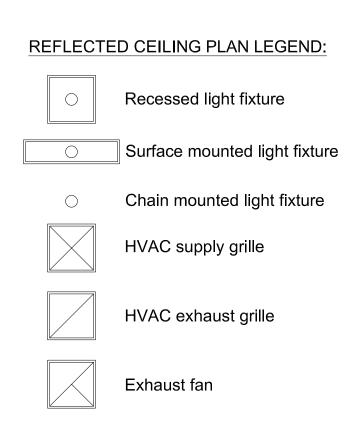
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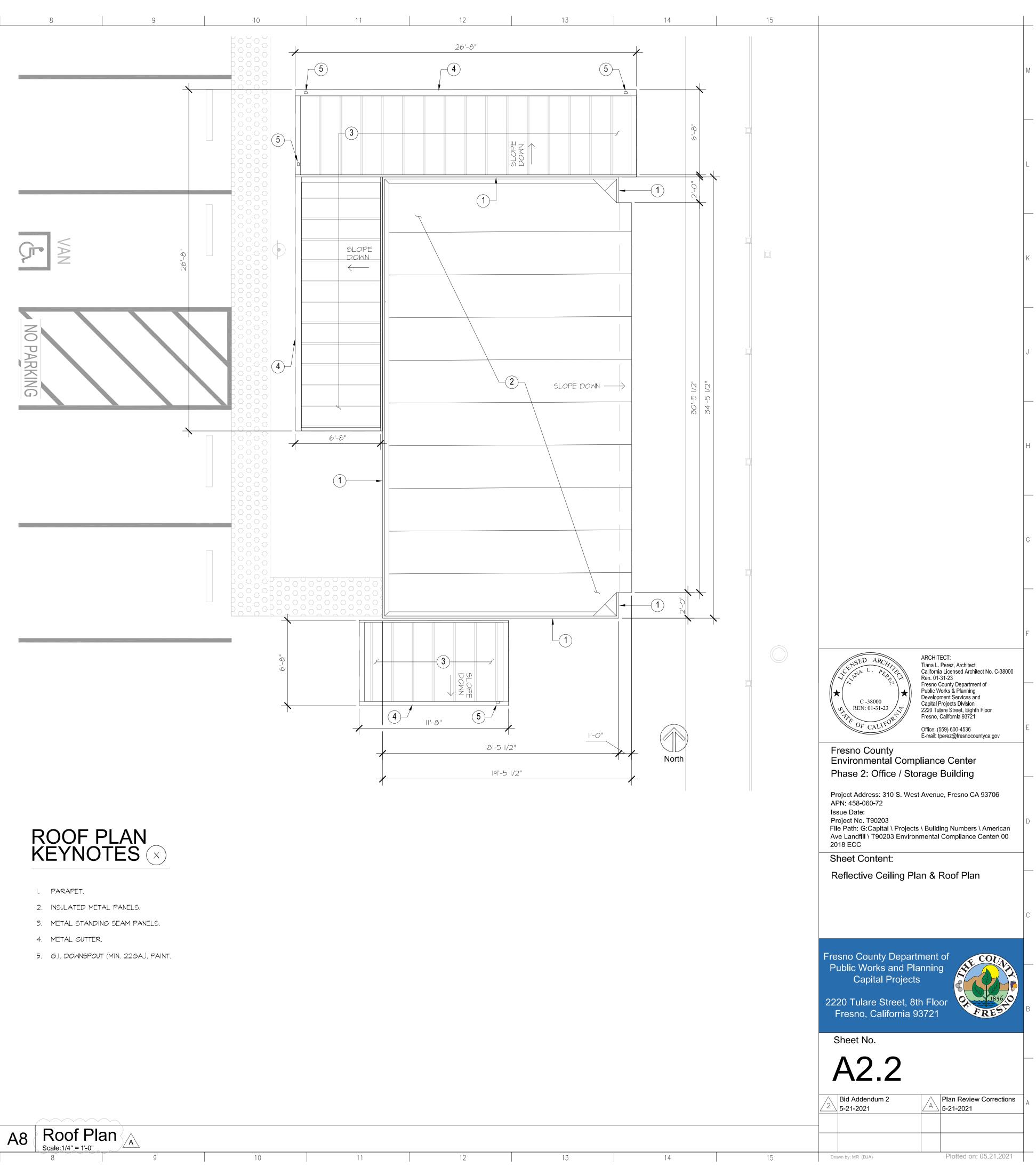
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# REFLECTED CEILING PLAN GENERAL NOTES

A. SEE FINISH SCHEDULE FOR FINISHES INDICATED BY FINISH SYMBOL  $\langle x - x \rangle$  on sheet A3.1.

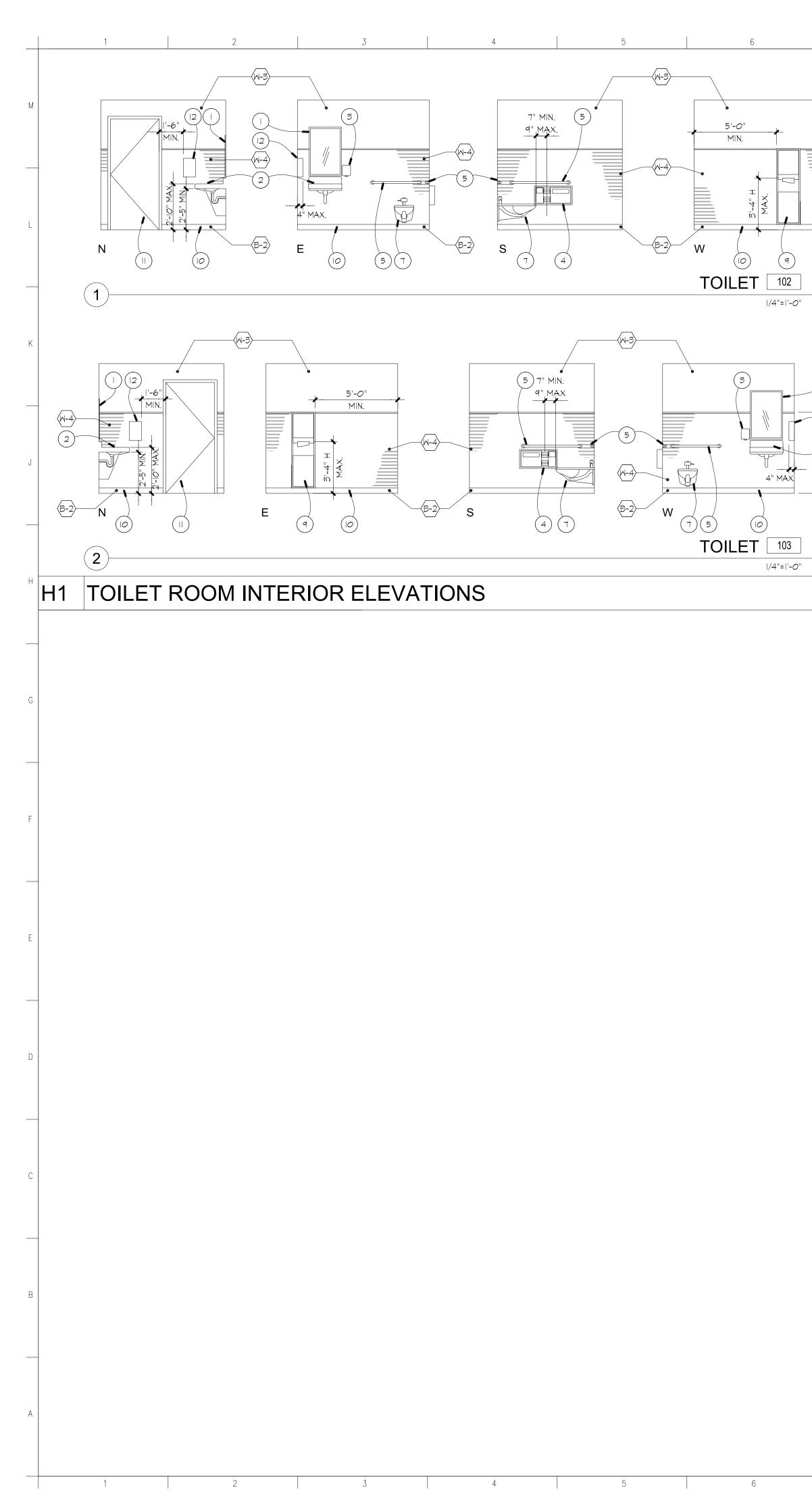


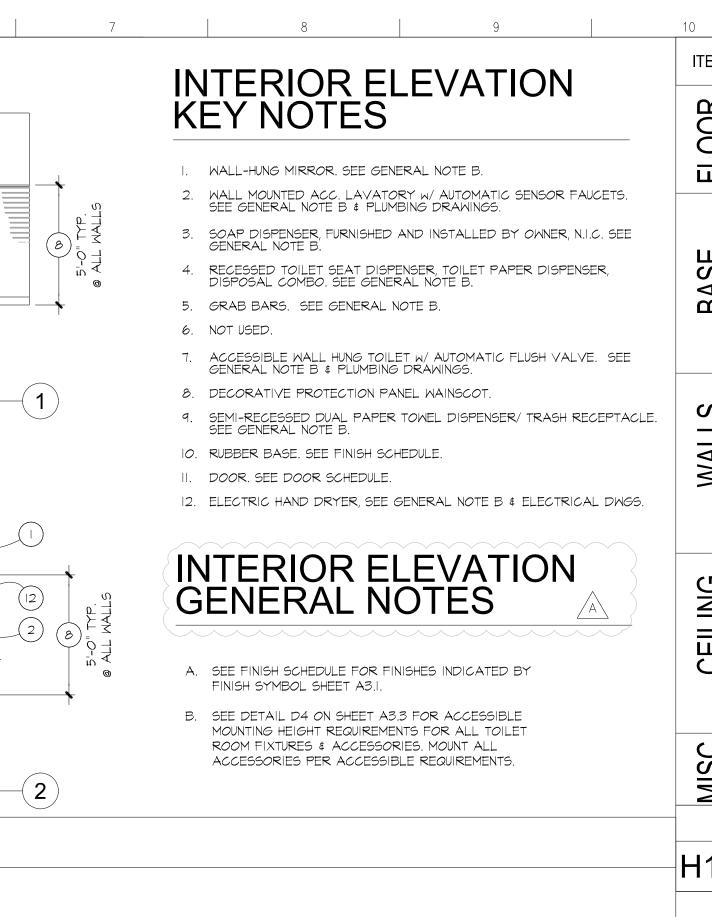
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		11 12	13
EM	CODE	DESCRIPTION	REMAR
Ę	F-1	EXPOSED CONCRETE WITH CLEAR SATIN CONCRETE SEALER	-
	F-2	LENOLVEM MODULAR FLOORING	FORBO, MAR SIZE 79"W X
	B-I	NO BASE	-
	B-2	4" RUBBER RESILIENT BASE	JOHNSONITE "SILHOUETTE
à			
0	M-1	NOT USED	-
	W-2	LATEX PAINT	0/ GYPSUM E
L VV	M-3	ENAMEL SEMI-GLOSS PAINT	0/ GYPSUM E
	W-4	DECORATIVE PROTECTION PANEL WAINSCOT	FORMICA HA CAULK, OR AF
	W-5	3/4" A-C PLYWOOD	HEIGHT 8'-0'
ס	C-I	NO INTERIOR FINISH, EXPOSED ROOF FRAMING	-
-	C-2	SQUARE EDGE LAY-IN SUSPENDED ACOUSTICAL TILE CEILING SYSTEM	IN T-BAR GR
	с-з	PAINT W-3 0/ 5/8" F.R. GYP. BD. CEILING 0/ METAL FRAMING.	LEVEL FINIS
J	C-4	36" WIDE EXTERIOR LINEAR FORMED RIBBED 26 GA. METAL PANEL SOFFIT	-
•			
) CIIVI	M-I	ENAMEL (ACRYLIC) PAINTED H.M. DOOR/FRAMES	PAINT H.M. DOG
<u>≥</u> 10	Ρ	DOM FINISH SCHEDULE	sumbol on Floor
AL AL	L STAIN, L INTERIO	PAINT, SEALER AND ACCENT COLORS SHALL BE AS SELECTED BY ARCHIT OR FINISHES SHALL BE AS SELECTED BY ARCHITECT/OWNER FROM ACTUAL SHALL BE EPA APPROVED AND AS RECOMMENDED BY THE MANUFACTURER	ECT. . PRODUCT SAMPI
AP CC	PLICATIC NTRACTO		
AL	L GYPSU	M BOARD UNLESS OTHERWISE SPECIFICALLY NOTED ON THIS SCHEDULE OR DARD (ON BOTH SIDES WHERE GYPSUM BOARD IS CALLED OUT) THROUGHOU	
AL	L EXPOS	ED METAL SHALL BE PRIMED AND PAINTED. COLORS AS SELECTED BY AR	CHITECT/OWNER.
		LL FLOORS PRIOR TO COVERING, CLEAN AND FILL, LEVEL UNEVENNESS W/ RS W/ MFGR APPROVED VAPOR EMISSIONS TREATMENT WHERE MOISTURE (	
		INT/STAIN COAT FINISHES ARE INDICATED IN SPEC'S. CONTRACTOR(S) SHA OF COLOR /FINISH ETC. TO THE ACCEPTANCE OF THE OWNER AND ARCHITE	
A B.	. STANE . TOILE	DARD FINISHES: SAMPLES (3 EACH) SHALL BE PREPARED FOR REVIEW ANI DARD PAINTED WALLS AND CEILINGS MEDIUM ORANGE PEEL TE T ROOMS AND ENAMELED WALLS SMOOTH SAND, LIGHT ORA COTHER WALL COVERINGS TAPED, SANDED SMOOTH	XTURE. NGE PEEL TEXTU
OR	BETTER	READ & SMOKE DEVELOPED CLASSIFICATION: ALL FINISHES SHALL HAVE R TO MEET CBC SECTION 803 REQUIREMENTS. ALL DECORATIVE MATERIAL REFER REDUCERS, AT CHANGES IN ELCOR MATERIALS EOR CLEAN SMOOTH	_ MUST BE FLAME

## D10 FINISH SCHEDULES NOTES

#### 13 14 15 REMARKS

#### FORBO, MARMOLEUM STRIATO TEXTURA, THICKNESS 2.5MM, SIZE 79"W XIO5'L, OR APPROVED EQUAL

JOHNSONITE RESILIENT BASE, TYPE "MILLWORK", PROFILE "SILHOUETTE", OR APPROVED EQUAL.

O/ GYPSUM BOARD (LEVEL 5 FINISH TYP. U.N.O.)

0/ GYPSUM BOARD (LEVEL 5 FINISH TYP. U.N.O.)

FORMICA HARDSTOP BUTT JOINT SEAMS WITH WATER PROOF CAULK, OR APPROVED EQUAL. TRIM AT TOP BOTTOM, AND CORNERS. HEIGHT 8'-0"

IN T-BAR GRID (2x2 or 2x4)

LEVEL FINISH TYP. U.N.O.

PAINT H.M. DOORS AND FRAMES

See  $\langle XX 
angle$  symbol on Floor Plan, Reflected Ceiling Plan and Interior Elevations

#### ) BY ARCHITECT.

ROM ACTUAL PRODUCT SAMPLE SUBMITTALS PROVIDED BY CONTRACTOR. ALL PAINT ANUFACTURER TO PROVIDE A SUITABLE AND DURABLE FINISH FOR ITS INTENDED

KTURES/ SAMPLE RANGES FOR ARCHITECT'S SELECTION. ALL SAMPLES SHALL BE ACTUAL

CHEDULE OR IN DRAWINGS SHALL BE 5/8" TYPE "X" FIRE RATED. INSTALL WATER RESISTANT ) THROUGHOUT TOILET WALLS, AND PLUMBING WALLS.

EVENNESS W/ FLOOR COVERING MANUFACTURER RECOMMENDED, APPROVED MATERIALS. E MOISTURE OR PH TESTS ARE OUTSIDE OF ACCEPTABLE RANGE.

ACTOR(S) SHALL APPLY ADDITIONAL COATS AS REQUIRED TO ENSURE/ MAINTAIN / PROVIDE AND ARCHITECT.

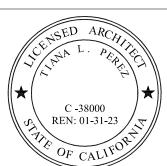
R REVIEW AND CHOICE BY OWNER AND ARCHITECT, BUT GENERALLY SHALL BE: NGE PEEL TEXTURE.

D, LIGHT ORANGE PEEL TEXTURE. DED SMOOTH AND SIZED OR SEALED FOR FINISH.

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SHALL HAVE A CLASS 'C' FLAME SPREAD & SMOKE DEVELOPED CLASSIFICATION OF 450 IVE MATERIAL MUST BE FLAME RETARDANT TREATED.

II. PROVIDE RUBBER REDUCERS AT CHANGES IN FLOOR MATERIALS FOR CLEAN, SMOOTH TRANSITION EXCEPT WHERE OTHER TRANSITION ARE SPECIFICALLY INDICATED.



ARCHITECT: Tiana L. Perez, Architect California Licensed Architect No. C-38000 Ren. 01-31-23 Fresno County Department of Public Works & Planning Development Services and Capital Projects Division 2220 Tulare Street, Eighth Floor Fresno, California 93721

FRE

Plan Review Corrections

5-21-2021

Office: (559) 600-4536 E-mail: tperez@fresnocountyca.gov

Fresno County Environmental Compliance Center Phase 2: Office / Storage Building

Project Address: 310 S. West Avenue, Fresno CA 93706 APN: 458-060-72 Issue Date:

Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ American Ave Landfill \ T90203 Environmental Compliance Center\ 00 2018 ECC

Sheet Content:

Interior Elevations & Finish Schedule

Fresno County Department of Public Works and Planning Capital Projects

2220 Tulare Street, 8th Floor Fresno, California 93721

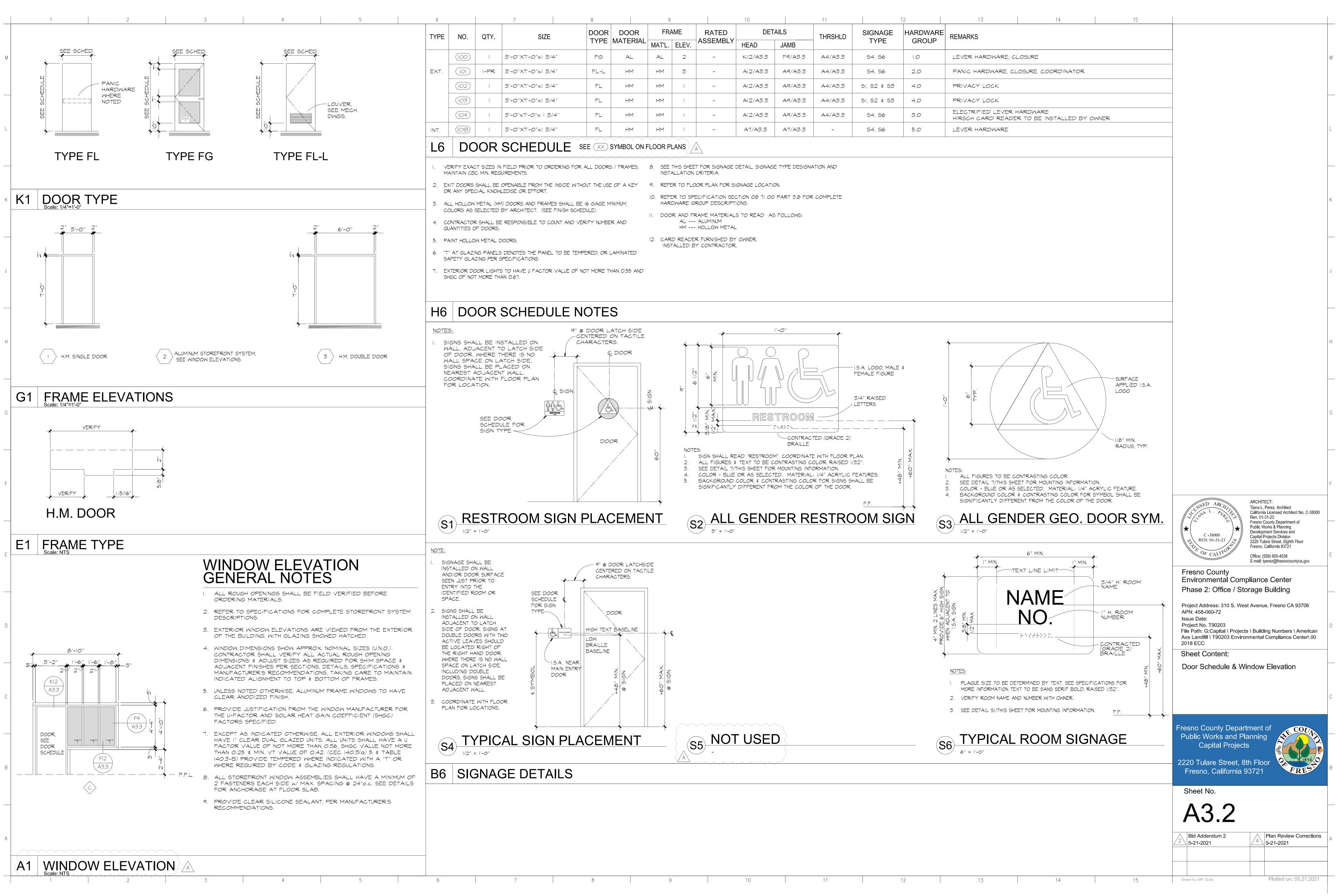
Sheet No.



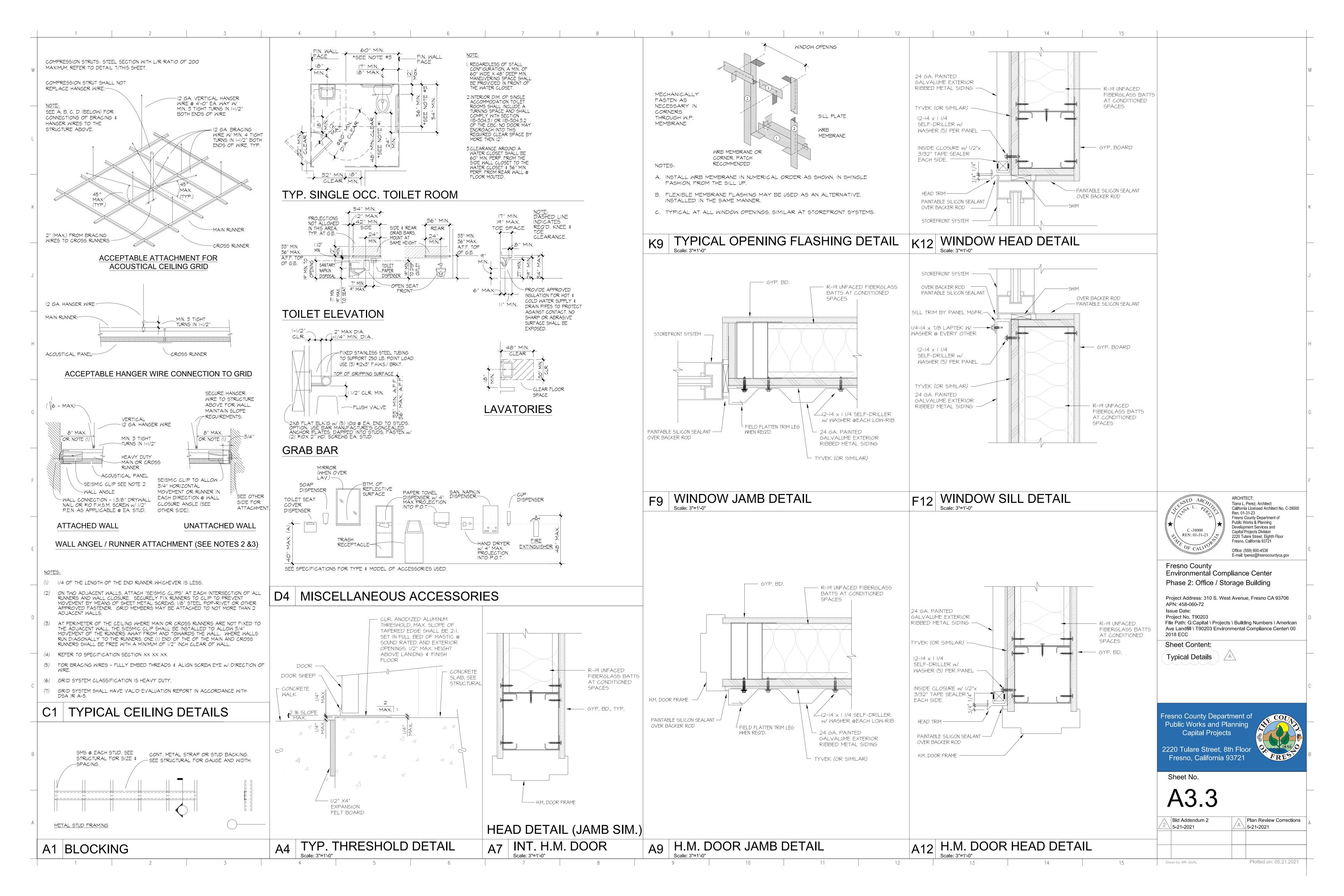
Bid Addendum 2 \_\_\_\_5-21-2021

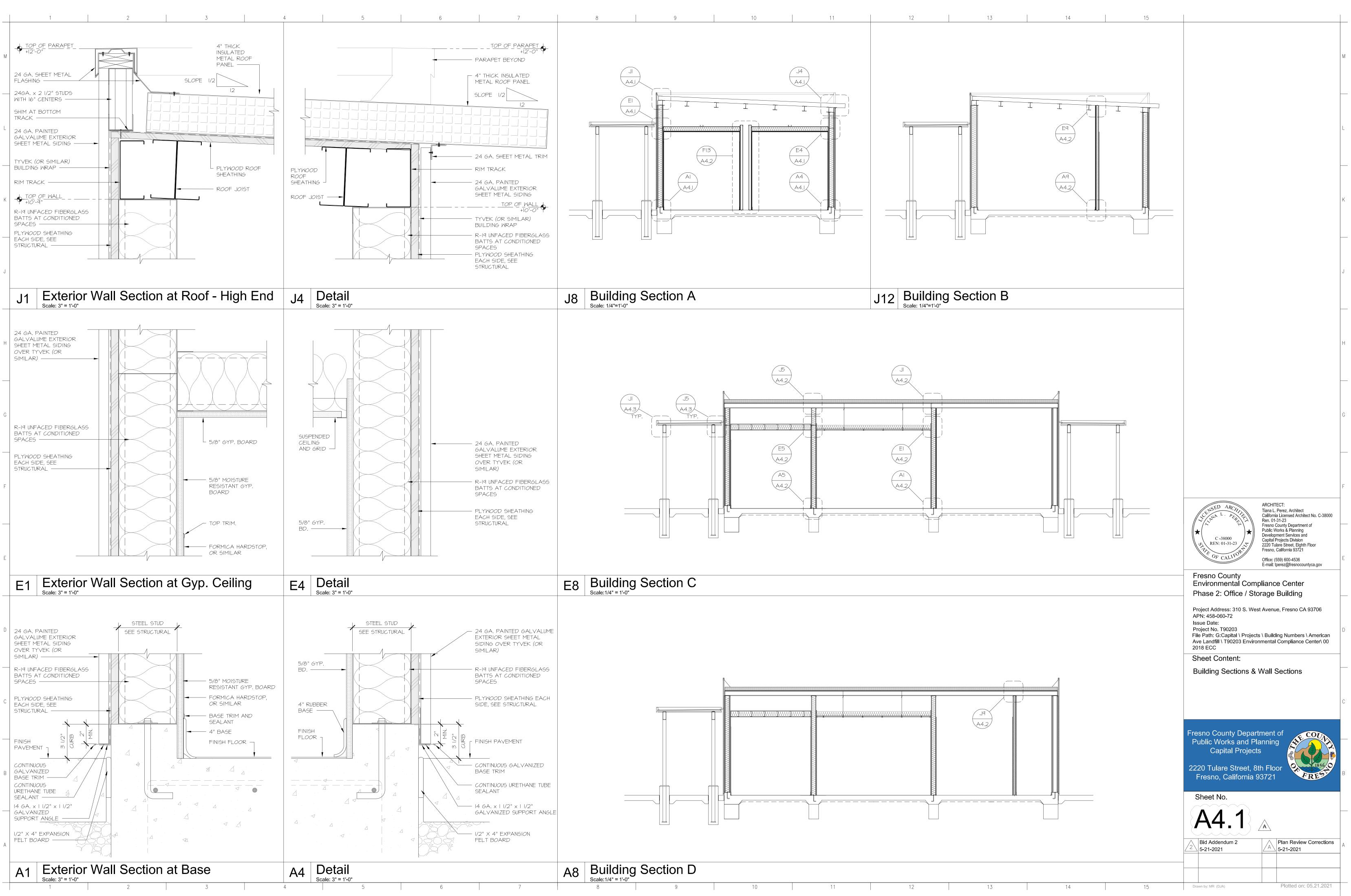
Drawn by: MR (DJA)

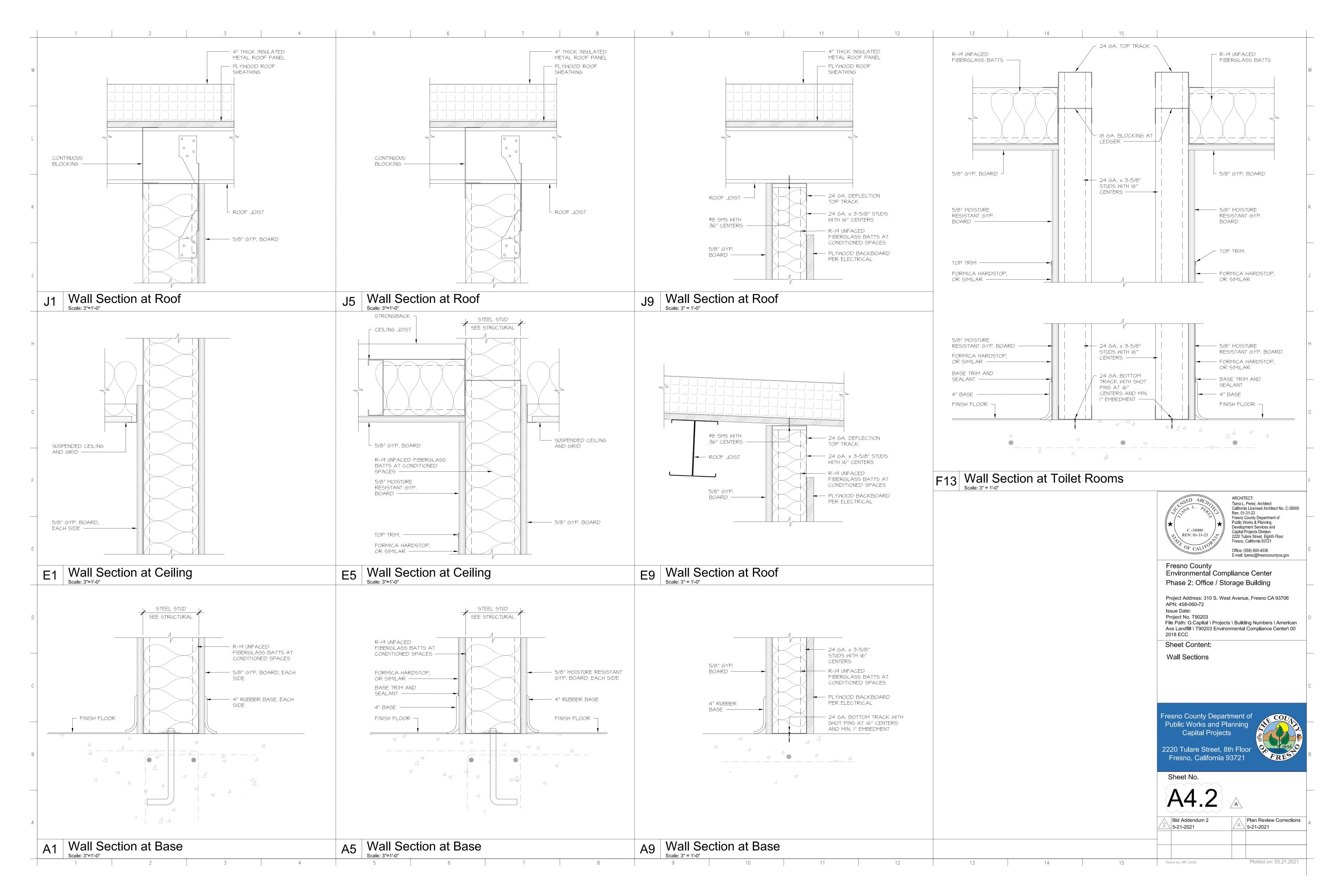


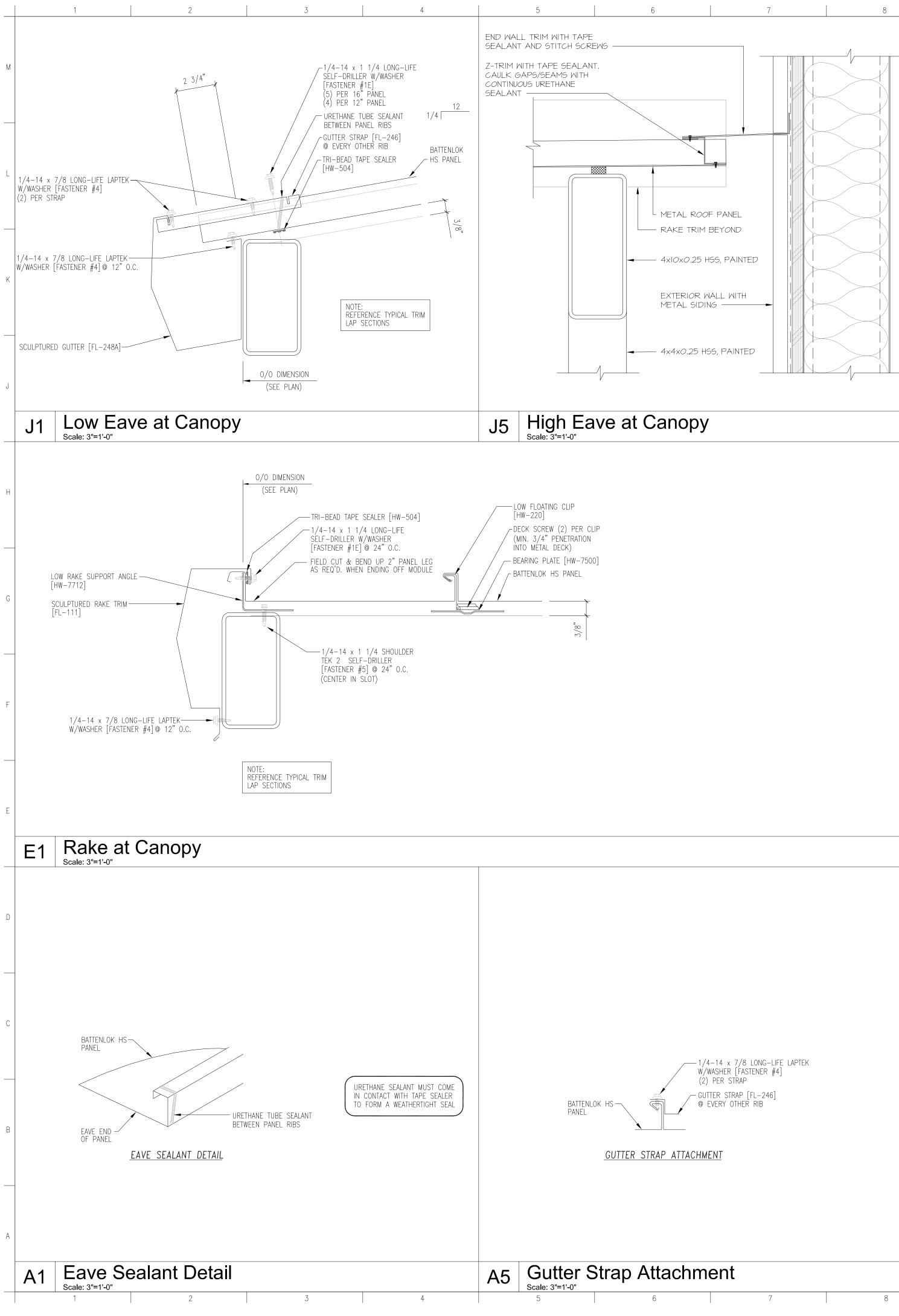


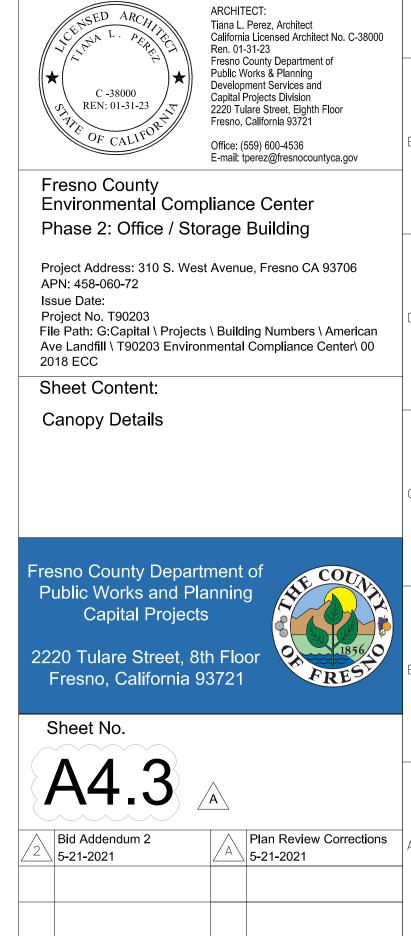
		7	8		9			10		11		2
NO.	QTY.	SIZE	DOOR		FR/	FRAME F		DETAILS		THRSHLD	SIGNAGE	HARDWARE
			TYPE	MATERIAL	MAT'L.	ELEV.	ASSEMBLY	HEAD	JAMB		TYPE	GROUP
(100)	Ι	3'-0"X7'-0"x  3/4"	FG	AL	AL	2	-	KI2/A3.3	F9/A3.3	A4/A3.3	S4, S6	1.0
$\bigcirc  \mathcal{O}  )$	I-PR	3'-0"X7'-0"x  3/4"	FL-L	НМ	ΗM	з	-	A 2/A3.3	A9/A3.3	A4/A3.3	54, S6	2.0
(102)		3'-0"X7'-0"x  3/4"	FL	НМ	ΗM		-	A 2/A3.3	A9/A3.3	A4/A3.3	SI, S2 & S3	4.0
(103)		3'-0"X7'-0"x  3/4"	FL	НМ	ΗM	I	-	A 2/A3.3	A9/A3.3	A4/A3.3	SI, S2 & S3	4.0
(104)		3'-0"x7'-0"x   3/4"	FL	НМ	ΗM	I	-	A 2/A3.3	A9/A3.3	A4/A3.3	S4, S6	3.0
		3'-0"X7'-0"x  3/4"	FL	НМ	ΗM		-	A7/A3.3	A7/A3.3	-	S4, S6	5.0
	$\sim$		$\sim$		$\overline{}$	$\sim$						











					IA GREEN ANDATORY M	
RESPON. PARTY			Y N/A	A RESPON. PARTY		
	CHAPTER 3			]	5.106.2 STORMWATER POLLUTION PREVENTION FOI LAND. Comply with all lawfully enacted stormwater disch	
	GREEN BUILDING SECTION 301 GENERAL				more of land, or (2) disturb less than one acre of land but	are part of a larger common plan of developmer
	<b>301.1 SCOPE.</b> Buildings shall be designed to include the green building mea	asures specified as mandatory in			<b>Note:</b> Projects that (1) disturb one acre or more of land, o larger common plan of development or sale must comply applicable National Pollutant Discharge Elimination Syste	with the post-construction requirements detailed
	the application checklists contained in this code. Voluntary green building m application checklists and may be included in the design and construction of	easures are also included in the structures covered by this code,			Associated with Construction and Land Disturbance Activ the Lahontan Regional Water Quality Control Board (for p	ties issued by the State Water Resources Conti
	but are not required unless adopted by a city, county, or city and county as s 301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS				The NPDES permits require postconstruction runoff (post- (pre-project hydrology) with the installation of postconstru-	
	of individual sections of Chapter 5 apply to newly constructed buildings, build feet or greater, and/or building alterations with a permit valuation of \$200,000	ding additions of 1,000 square 0 or above (for occupancies within			permits emphasize runoff reduction through on-site storm through nonstructural controls, such as Low Impact Devel	vater use, interception, evapotranspiration, and opment (LID) practices, and conversation desig
	the authority of California Building Standards Commission). Code sections n alterations shall only apply to the portions of the building being added or alte permitted work.				Stormwater volume that cannot be addressed using nonst practices and be approved by the enforcing agency.	ructural practices is required to be captured in s
	A code section will be designated by a banner to indicate where the code seconstructed buildings [N] or to additions and/or alterations [A]. When the code banner will be used.				Refer to the current applicable permits on the State Water www.waterboards.ca.gov/constructionstormwater. Consid should be given during the initial design process for appro	eration to the stormwater runoff management m
	301.3.1 Nonresidential additions and alterations that cause updat	es to plumbing fixtures only:		1	5.106.4 BICYCLE PARKING. For buildings within the aut	
	<b>Note:</b> On and after January 1, 2014, certain commercial real property, 1101.3, shall have its noncompliant plumbing fixtures replaced with ap	propriate water-conserving			specified in Section 103, comply with Section 5.106.4.1. Architect pursuant to Section 105, comply with Section 5.1	
	plumbing fixtures under specific circumstances. See Civil Code Section types of commercial real property affected, effective dates, circumstan replacement of noncompliant plumbing fixtures, and duties and respon	ces necessitating			<b>5.106.4.1 Bicycle parking. [BSC-CG]</b> Comply with applicable local ordinance, whichever is stricter.	a Sections 5.106.4.1.1 and 5.106.4.1.2; or meet
	ensuring compliance.					the new project or an addition or alteration is a y anchored bicycle racks within 200 feet of the v
	<b>301.3.2 Waste Diversion.</b> The requirements of Section 5.408 shall b alterations whenever a permit is required for work.	e required for additions and			entrance, readily visible to passers-by, for 5% added, with a minimum of one two-bike capa	of new visitor motorized vehicle parking space
	301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC) 301.5 HEALTH FACILITIES. (see GBSC)					nich add nine or less visitor vehicular parking sp r new buildings with tenant spaces that have 10
	SECTION 302 MIXED OCCUPANCY BUILDINGS					king for 5 percent of the tenant-occupant vehic
	<b>302.1 MIXED OCCUPANCY BUILDINGS.</b> In mixed occupancy build shall comply with the specific green building measures applicable to each specific green building measures applica	lings, each portion of a building ecific occupancy.			5.106.4.1.3 For additions or alterations that a	dd 10 or more tenant-occupant vehicular parkir of the tenant vehicular parking spaces being ad
	SECTION 303 PHASED PROJECTS				minimum of one bicycle parking facility.	
	<b>303.1 PHASED PROJECTS.</b> For shell buildings and others constructed	for future tenant improvements,				l projects provide secure bicycle parking for 5 p spaces with a minimum of one bicycle parking
	only those code measures relevant to the building components and systems construction (or newly constructed) shall apply.	considered to be new			<b>5.106.4.1.5</b> Acceptable bicycle parking facility be convenient from the street and shall meet	/ for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.1 one of the following:
	<b>303.1.1 Initial Tenant improvements.</b> The provisions of this code shall appl improvements to a project. Subsequent tenant improvements shall comply v					permanently anchored racks for bicycles;
	Section 301.3 non-residential additions and alterations.				3. Lockable, permanently anchored bi	cycle lockers.
	HCD Department of Housing and Community Development BSC California Building Standards Commission				<b>Note:</b> Additional information on recom Sacramento Area Bicycle Advocates.	mended bicycle accommodations may be obta
	DSA-SSDivision of the State Architect, Structural SafetyOSHPDOffice of Statewide Health Planning and DevelopmentLRLow Rise				5.106.4.2 Bicycle parking. [DSA-SS] For public s 5.106.4.2.1 and 5.106.4.2.2	chools and community colleges, comply with S
	HR High Rise AA Additions and Alterations				<b>5.106.4.2.1 Student bicycle parking.</b> Provi accessed with a minimum of four two-bike ca	de permanently anchored bicycle racks conver pacity racks per new building.
	N New CHAPTER 5				5.106.4.2.2 Staff blcycle parking. Provide with a minimum of two staff bicycle parking s	bermanent, secure bicycle parking convenientl paces per new building. Acceptable bicycle par
	NONRESIDENTIAL MANDATORY MEASURES				1. Covered, lockable enclosures with	Irking area and shall meet one of the following: permanently anchored racks for bicycles;
	DIVISION 5.1 PLANNING AND DESIGN				<ol> <li>Lockable bicycle rooms with perma</li> <li>Lockable, permanently anchored bi</li> </ol>	nently anchored racks, or
	SECTION 5.101 GENERAL 5.101.1 SCOPE				5.106.5.2 DESIGNATED PARKING FOR CLEAN A that add 10 or more vehicular parking spaces, provi	de designated parking for any combination of le
	The provisions of this chapter outline planning, design and development methods that responsible site selection, building design, building siting and development to protect environmental quality of the site and respect the integrity of adjacent properties.				fuel-efficient and carpool/van pool vehicles as follow	's:
	SECTION 5.102 DEFINITIONS				TABLE 5.106.5.2 - PARKING	NUMBER OF REQUIRED SPACES
	<b>5.102.1 DEFINITIONS</b> The following terms are defined in Chapter 2 (and are included here for reference)				0-9	0
	<b>CUTOFF LUMINAIRES.</b> Luminaires whose light distribution is such that the candela numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100	per 1000 lamp lumens does not (10 percent) at a vertical angle of			10-25	1
	80 degrees above nadir. This applies to all lateral angles around the luminaire.	, , , , , , , , , , , , , , , , , , ,			25-50 51-75	<u> </u>
	LOW-EMITTING AND FUEL EFFICIENT VEHICLES. Eligible vehicles are limited to the following:				76-100	8
	<ol> <li>Zero emission vehicle (ZEV), including neighborhood electric vehicles (NE vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (orig only) regulated under Health and Safety Code section 43800 and CCR, Til</li> </ol>	inal equipment manufacturer			101-150 151-200	11 16
	<ul> <li>2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy stickers issued by the Department of Motor Vehicles.</li> </ul>	Vehicle (HOV) car pool lane			201 AND OVER	AT LEAST 8% OF TOTAL
	<b>NEIGHBORHOOD ELECTRIC VEHICLE (NEV).</b> A motor vehicle that meets the defi either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July zero-emission vehicle standards.					st word aligns with the end of the stall striping a
	<b>TENANT-OCCUPANTS.</b> Building occupants who inhabit a building during its norma					kers from expired HOV lane programs may be
	occupants, such as employees, as distinguished from customers and other transient <b>VANPOOL VEHICLE.</b> Eligible vehicles are limited to any motor vehicle, other than a	a motortruck or truck tractor,			considered eligible for designated parking sp	aces.
	designed for carrying more than 10 but not more than 15 persons including the driver primarily for the nonprofit work-related transportation of adults for the purpose of rides	r, which is maintained and used			<b>5.106.5.3 Electric vehicle (EV) charging. [N]</b> Co or Section 5.106.5.3.2 to facilitate future installation	of electric vehicle supply equipment (EVSE).
	Note: Source: Vehicle Code, Division 1, Section 668				When EVSE(s) is/are installed, it shall be in accord <i>California Electrical Code</i> and as follows:	ance with the <i>California Building Code,</i> the
	<b>ZEV.</b> Any vehicle certified to zero-emission standards. <b>SECTION 5.106 SITE DEVELOPMENT</b>				required per Table 5.106.5.3.3, a raceway is	ments. [N] When only a single charging spac required to be installed at the time of constru-
	5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DIST OF LAND. Newly constructed projects and additions which disturb less than one acr	re of land, and are not part of a			and shall be installed in accordance with the specifications shall include, but are not limited and the specifications shall include.	<i>California Electrical Code.</i> Construction plansed to, the following:
	larger common plan of development or sale, shall prevent the pollution of storm wate activities through one or more of the following measures:				<ol> <li>The type and location of the EVSE</li> <li>A listed raceway capable of accon</li> </ol>	Imodating a 208/240 -volt dedicated branch ci
	<b>5.106.1.1 Local ordinance</b> . Comply with a lawfully enacted storm water man ordinance.	agement and/or erosion control			<ol> <li>The raceway shall not be less than</li> <li>The raceway shall originate at a set</li> </ol>	l trade size 1". ervice panel or a subpanel serving the area, ar
	<b>5.106.1.2 Best Management Practices (BMPs).</b> Prevent the loss of soil thro implementing an effective combination of erosion and sediment control and go				suitable cabinet, box, enclosure or	proposed location of the charging equipment a equivalent. Il have sufficient capacity to accommodate a n
	1. Soil loss BMPs that should be considered for implementation as app					it for the future installation of the EVSE.
	but are not limited to, the following: a. Scheduling construction activity during dry weather, when pos b. Preservation of natural features, vegetation, soil, and buffers a				required per Table 5.106.5.3.3 raceway(s) is	rements. [N] When multiple charging spaces s/are required to be installed at the time of const california Electrical Code. Construction place
	<ul><li>c. Drainage swales or lined ditches to control stormwater flow.</li><li>d. Mulching or hydroseeding to stabilize disturbed soils.</li></ul>				and shall be installed in accordance with the specifications shall include, but are not limited	<i>California Electrical Code.</i> Construction plans ed to, the following:
	<ul> <li>e. Erosion control to protect slopes.</li> <li>f. Protection of storm drain inlets (gravel bags or catch basin ins g. Perimeter sediment control (perimeter silt fence, fiber rolls).</li> </ul>	serts).			<ol> <li>The type and location of the EVSE</li> <li>The raceway(s) shall originate at a</li> </ol>	service panel or a subpanel(s) serving the are
	<ul> <li>h. Sediment trap or sediment basin to retain sediment on site.</li> <li>i. Stabilized construction exits.</li> </ul>				shall terminate in close proximity t into listed suitable cabinet(s), box(	o the proposed location of the charging equipn es), enclosure(s) or equivalent.
	<ul> <li>j. Wind erosion control.</li> <li>k. Other soil loss BMPs acceptable to the enforcing agency.</li> <li>2. Good housekeeping BMPs to manage construction equipment, mate</li> </ul>	erials, non-stormwater discharges			<ol> <li>Plan design shall be based upon 4</li> <li>Electrical calculations shall substa</li> </ol>	0-ampere minimum branch circuits. ntiate the design of the electrical system, to inc
	and wastes that should be considered for implementation as approp are not limited to, the following:				to simultaneously charge all requir	e distribution transformers and have sufficient ed EVs at its full rated amperage. hall have sufficient capacity to accommodate t
						ch circuit(s) for the future installation of the EV
	<ul> <li>a. Dewatering activities.</li> <li>b. Material handling and waste management.</li> <li>c. Building materials stocknile management</li> </ul>					
					5.106.5.3.3 EV charging space calculation single or multiple charging space requireme	<b>is. [N]</b> Table 5.106.5.3.3 shall be used to detern nts apply for the future installation of EVSE.
	<ul> <li>b. Material handling and waste management.</li> <li>c. Building materials stockpile management.</li> <li>d. Management of washout areas (concrete, paints, stucco, etc.)</li> </ul>	ea.			single or multiple charging space requireme <b>Exceptions:</b> On a case-by-case basis v	

Μ

В

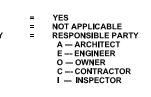
А

# BUILDING STANDARDS CODE **IEASURES, SHEET 1** (January 2020, Includes August 2019 Supplement)

•			· · ·		•					
	Y N//	A RESPON. PARTY							Y	N/A RESPO
PROJECTS THAT DISTURB ONE OR MORE ACRES OF										
rge regulations for projects that (1) disturb one acre or re part of a larger common plan of development sale.			<ol> <li>Where there</li> <li>Where there</li> </ol>	is evidence su	itable to the loca					
(2) disturb less than one acre of land but are part of the ith the post-construction requirements detailed in the					ructure design re 106.5.3, may ad					
(NPDES) General permit for Stormwater Discharges es issued by the State Water Resources Control Board or			project.							
ojects in the Lake Tahoe Hydrologic Unit).			TABLE 5.106.5.3.3	}						
roject hydrology) to match the preconstruction runoff ion stormwater management measures. The NPDES					ACES NUI		JIRED SPACES			
ater use, interception, evapotranspiration, and infiltration pment (LID) practices, and conversation design measures.			0-9			0				
actural practices is required to be captured in structural			26-50			2				
Resources Control Board website at:			51-75	5		4				
ration to the stormwater runoff management measures riate integration into site development.			76-10			5				
			101-15			7				
ority of California Building Standards Commission as or buildings within the authority of the Division of the State			151-20 201 AND 0			6% of to	otal <sup>1</sup>			
6.4.2			1. Calculation for space		nded up to the ne					
Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the			5.106.5.3.4 [N] Identifi							
ne new project or an addition or alteration is anticipated anchored bicycle racks within 200 feet of the visitors'			reserved overcurrent pr termination location sh					E". The raceway		
of new visitor motorized vehicle parking spaces being y rack.			5.106.5.3.5 [N] Future o	charging space	es qualify as desi	ignated parking	as described in S	ection 5.106.5.2		
ch add nine or less visitor vehicular parking spaces.			Designated parking for	clean air venic	les.					
ew buildings with tenant spaces that have 10 or more ng for 5 percent of the tenant-occupant vehicular parking			5.106.8 LIGHT POLLUTION REDU	CTION. [N].I C	Dutdoor lighting s	ystems shall be o	designed and inst	alled to comply		
acility.		ELECTRICAL ENGINEER & CONTRACTOR	with the following:							
d 10 or more tenant-occupant vehicular parking spaces, the tenant vehicular parking spaces being added, with a			1. The minimum requirements Section 10-114 of the Calife	ornia Administr	rative Code, and			n ∪napter 10,		
			<ol> <li>Backlight (B) ratings as def</li> <li>Uplight and Glare ratings a Chapter 8) and</li> </ol>					d 130.2-B in		
projects provide secure bicycle parking for 5 percent of the spaces with a minimum of one bicycle parking facility.			4. Allowable BUG ratings not lawfully enacted pursuant to				Comply with a loc	cal ordinance		
or Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall ne of the following:			Exceptions: [N]		,	goriti				
rmanently anchored racks for bicycles;			1. Luminaires that qual		ons in Section 14	0.7 of the Califorr	nia Energy Code.			
ntly anchored racks; or cle lockers.			<ol> <li>Emergency lighting.</li> <li>Building facade meet</li> </ol>	eting the requir	rements in Table	140.7-B of the C	alifornia Energy C			
ended bicycle accommodations may be obtained from			<ol> <li>Custom lighting feat Alternate materials,</li> </ol>				as permitted by Se	ection 101.8		
			Note: [N]		0	4005.0 (	U	19		
ools and community colleges, comply with Sections			1. See also California E requirements for par	king facilities a	and walkways			-		
permanently anchored bicycle racks conveniently			<ol> <li>Refer to Chapter 8 (0 A-1, California Energi 3. Refer to the Californi</li> </ol>	gy Code Tables	s 130.2-A and 130	).2-В.		IN-15-11 Table		
acity racks per new building. rmanent, secure bicycle parking conveniently accessed					de for requiremen		nu alterations.			
ces per new building. Acceptable bicycle parking facilities ing area and shall meet one of the following:			TABLE 5.106.8 [N] MAX		OWABLE BA	ACKLIGHT, I	JPLIGHT			
rmanently anchored racks for bicycles; ently anchored racks; or			AND GLARE (BUG) RATI	NGS 1,2						
cle lockers.			ALLOWABLE RATING	LIGHTING ZONE	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4		
<b>R VEHICLES.</b> In new projects or additions or alterations designated parking for any combination of low-emitting,				LZ0			LUNE LLJ	ZUNE LZ4		
			BACKLIGHT RATING 3							
			Luminaire greater than 2 mounting heights (MH) from	N/A	No Limit	No Limit	No Limit	No Limit		
NUMBER OF REQUIRED SPACES			property line Luminaire back hemisphere is							
0			1-2 MH from property line	N/A	B2	B3	B4	B4		
3			Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	В3	В3		
6			Luminaire back hemisphere is		<b>D</b> 0	<b>D</b> 0	<b>F</b> 4	<b>D</b> 0		
8			less than 0.5 MH from property line	N/A	B0	B0	B1	B2		
11			MAXIMUM ALLOWABLE UPLIGHT RATING (U)							
16 AT LEAST 8% OF TOTAL			For area lighting ₄	N/A	U0	U0	U0	U0		
			For all other outdoor lighting,including decorative	N/A	U1	U2	U3	UR		
he paint used for stall striping, the following word aligns with the end of the stall striping and is			luminaires	· •// \						
VAN POOL / EV			MAXIMUM ALLOWABLE GLARE RATING ₅ (G)							
rs from expired HOV lane programs may be es.			Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4		
truction shall comply with Section 5.106.5.3.1			Luminaire front hemisphere is			C1	C1	<u> </u>		
f electric vehicle supply equipment (EVSE). ce with the <i>California Building Code</i> , the			1-2 MH from property line	N/A	G0	G1	G1	G2		_
			Luminaire front hemisphere is 0.5-1 MH from property line	N/A	G0	G0	G1	G1		PLUMB ENGINE
ents. [N] When only a single charging space is equired to be installed at the time of construction			Luminaire back hemisphere is less than 0.5 MH from property	N/A	G0	G0	G0	G1		¢ CONTR
to, the following:			line 1. IESNA Lighting Zones 0 and 5 a							
,			California Energy Code and Chapte	er 10 of the Cal	llifornia Administ	rative Code.				
odating a 208/240 -volt dedicated branch circuit. ade size 1".			<ol><li>For property lines that abut publ line may be considered to be 5 feet</li></ol>	t beyond the ad	ctual property lin	e for purpose of	determining			
ice panel or a subpanel serving the area, and shall oposed location of the charging equipment and listed			compliance with this section. For pl corridors, the property line may be	roperty lines th considered to	hat abut public roa	adways and puble of the public roa	ic transit			
uivalent. ave sufficient capacity to accommodate a minimum			transit corridor for the purpose of d	letermining con	mpliance with this	section.				
or the future installation of the EVSE.			<ol><li>If the nearest property line is les hemisphere of the luminaire distribution</li></ol>							
ments. [N] When multiple charging spaces are required to be installed at the time of construction			<ol> <li>General lighting luminaires in are these reduced ratings. Decorative l</li> </ol>							
alifornia Electrical Code. Construction plans and to, the following:			"all other outdoor lighting".							
o, are renowing.			<ol><li>If the nearest property line is less hemisphere of the luminaire distribution</li></ol>							
ervice panel or a subpanel(s) serving the area, and						-				
he proposed location of the charging equipment and ), enclosure(s) or equivalent.										
ampere minimum branch circuits. iate the design of the electrical system, to include the		 CONTRACTOR	5.106.10 GRADING AND PAVING. manage all surface water flows to ke							
distribution transformers and have sufficient capacity d EVs at its full rated amperage.			include, but are not limited to, the foll		Jane and a second se			, waldi		
all have sufficient capacity to accommodate the n circuit(s) for the future installation of the EVSE.			<ol> <li>Swales.</li> <li>Water collection and disposition</li> </ol>	sal systems.						
<b>[N]</b> Table 5.106.5.3.3 shall be used to determine if			<ol> <li>French drains.</li> <li>Water retention gardens.</li> </ol>							
s apply for the future installation of EVSE.			5. Other water measures whic recharge.	·	-	-	ald in groundwater			
nere the local enforcing agency has determined EV			Exception: Additions and alte	erations not alte	ering the drainage	e path.				

12

11



6.12 SHADE TREES [DSA-SS]. 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 calculations.

5.106.12.2 Landscape areas. Shade tress 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.

### VISION 5.2 ENERGY EFFICIENCY

CTION 5.201 GENERAL

1.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency dards in this code, the California Energy Commission will continue to adopt mandatory building standards.

#### VISION 5.3 WATER EFFICIENCY AND CONSERVATION CTION 5.301 GENERAL

**1.1 Scope.** The provisions of this chapter shall establish the means of conserving water use indoors, outdoors in wastewater conveyance.

#### CTION 5.302 DEFINITIONS

**2.1 Definitions.** The following terms are defined in Chapter 2 (and are included here for reference) POTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to

ence evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on amount of water that needs to be applied to the landscape.

PTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, ncluding exterior areas such as stairs, covered walkways, patios and decks.

ERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The me or cycle duration can be fixed or adjustable.

YWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy y wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or ating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom hbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or washers.

DEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape gn, installation and maintenance practices that will ensure commercial, multifamily and other developer installed scapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and atological parameters.

DEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance fornia Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and Itenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least ffective as the MWELO.

ABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking er Standards. See definition in the California Plumbing Code, Part 5.

ABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, and meets the U.S. ronmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority ng Jurisdiction.

YCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a rolled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water ted to remove waste matter attaining a quality that is suitable to use the water again.

**METER.** A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.

**FER BUDGET.** Is the estimated total landscape irrigation water use which shall not exceed the maximum applied ar allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape inance (MWELO).

### CTION 5.303 INDOOR WATER USE

**3.1 METERS.** Separate submeters or metering devices shall be installed for the uses described in Sections 1.1 and 503.1.2.

5.303.1.1 Buildings 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 (380 L/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).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

3.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and als) 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. 5.303.3.2 Urinals.

5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush. 5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall

#### not exceed 0.5 gallons per flush.

WaterSense Specification for Showerheads.

5.303.3.3 Showerheads [BSC-CG] **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

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 the 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.



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Fresno County **Environmental Compliance Center** Phase 2: Office / Storage Building

Project Address: 310 S. West Avenue, Fresno CA 93706 APN: 458-060-72 Issue Date:

Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ American Ave Landfill \ T90203 Environmental Compliance Center\ 00 2018 ECC

Sheet Content:

CAL GREEN COMPLIANCE SHEET 1

Fresno County Department of Public Works and Planning Capital Projects



2220 Tulare Street, 8th Floor Fresno, California 93721

Sheet No.



Bid Addendum 2 5-21-2021

Plan Review Corrections 5-21-2021



Y N/A RESPON.

# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE **NONRESIDENTIAL MANDATORY MEASURES, SHEET 2** (January 2020, Includes August 2019 Supplement)

5.303.3.4 Faucets and fountains.

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. 5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8

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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. **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]. 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

**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 minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction

5,303,4 COMMERCIAL KITCHEN EQUIPMENT

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. 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.

### SECTION 5.304 OUTDOOR WATER USE

5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

- 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/

5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

## **DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY**

#### SECTION 5.401 GENERAL

**5.401.1 SCOPE.** The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

#### SECTION 5.402 DEFINITIONS

**5.402.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) **ADJUST.** To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food solled paper waste that is mixed in with food waste.

**TEST.** A procedure to determine quantitative performance of a system or equipment

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SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.			<b>5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over.</b> 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		
<ul><li>5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.</li><li>5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.</li></ul>			L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.		
<b>5.407.2.2 Entries and openings</b> . Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:			<b>Note:</b> 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		
<b>5.407.2.2.1 Exterior door protection.</b> 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:			Commissioning requirements shall include: 1. Owner's or Owner representative's project requirements. 2. Basis of design.		DIV SEC
<ol> <li>An installed awning at least 4 feet in depth.</li> <li>The door is protected by a roof overhang at least 4 feet in depth.</li> <li>The door is recessed at least 4 feet.</li> <li>Other methods which provide equivalent protection.</li> </ol>			<ol> <li>Commissioning measures shown in the construction documents.</li> <li>Commissioning plan.</li> <li>Functional performance testing.</li> <li>Documentation and training.</li> <li>Commissioning report.</li> </ol>		5.501 are od SEC 5.502
<b>5.407.2.2.2 Flashing.</b> Install flashings integrated with a drainage plane.			Exceptions:		ARTE
SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or			<ol> <li>Unconditioned warehouses of any size.</li> <li>Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.</li> <li>Tenant improvements less than 10,000 square feet as described in Section 303.1.1.</li> </ol>		A-WE using adjust
meet a local construction and demolition waste management ordinance, whichever is more stringent. 5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and			<ol> <li>Open parking garages of any size, or open parking garage areas, of any size, within a structure.</li> <li>Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.</li> </ol>		of wat the an
demolition waste management ordinance, submit a construction waste management plan that: 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient			Informational Notes:		com except to 10p
<ol> <li>Identifies the construction and demondon waste materials to be diverted from disposal by enclent usage, recycling, reuse on the project or salvage for future use or sale.</li> <li>Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).</li> <li>Identifies diversion facilities where construction and demolition waste materials diverted will be taken.</li> <li>Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.</li> </ol>			<ol> <li>IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.</li> </ol>		COMF densit structu finger-
<b>5.408.1.2 Waste Management Company.</b> Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.			<ol> <li>Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the <i>California Energy Code</i>.</li> <li>5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and</li> </ol>		Note: DAY-I 24-ho
<b>Note:</b> The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. <b>Exceptions to Sections 5.408.1.1 and 5.408.1.2:</b>			<ul> <li>requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:         <ol> <li>Environmental and sustainability goals.</li> <li>Building sustainable goals.</li> <li>Indoor environmental quality requirements.</li> </ol> </li> </ul>		DECIE sound ELEC
<ol> <li>Excavated soil and land-clearing debris.</li> <li>Alternate waste reduction methods developed by working with local agencies if diversion or recycle</li> </ol>			<ol> <li>Project program, including facility functions and hours of operation, and need for after hours operation.</li> <li>Equipment and systems expectations.</li> </ol>		trucks that di Plug-ii
<ul> <li>facilities capable of compliance with this item do not exist.</li> <li>3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.</li> <li>5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does</li> </ul>			<ol> <li>Building occupant and operation and maintenance (O&amp;M) personnel expectations.</li> <li>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. The Basis of Design document shall</li> </ol>		off-roa suppo ELEC
not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency. <b>5.408.1.4 Documentation.</b> Documentation shall be provided to the enforcing agency which demonstrates			cover the following systems: 1. Renewable energy systems. 2. Landscape irrigation systems. 3. Water reuse system.		ELEC equipr power and th
compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency. <b>Notes:</b>			<ul> <li>5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:         <ol> <li>General project information.</li> </ol> </li> </ul>		ENER the flu EXPR
<ol> <li>Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.</li> <li>Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).</li> </ol>			<ol> <li>Commissioning goals.</li> <li>Systems to be commissioned. Plans to test systems and components shall include:         <ul> <li>An explanation of the original design intent.</li> <li>Equipment and systems to be tested, including the extent of tests.</li> <li>Functions to be tested.</li> </ul> </li> </ol>		not be FREE
<b>5.408.2 UNIVERSAL WASTE.</b> [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste			<ul> <li>d. Conditions under which the test shall be performed.</li> <li>e. Measurable criteria for acceptable performance.</li> <li>4. Commissioning team information.</li> <li>5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.</li> </ul>		gas re compo GLOB
materials shall be included in the construction documents. <b>Note</b> : Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf			<b>5.410.2.4 Functional performance testing. [N]</b> Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments		its Fou Table <b>HIGH</b> - hdroch
<b>5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS.</b> 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.			made. <b>5.410.2.5 Documentation and training. [N]</b> A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in <i>California Code of Regulations</i> (CCR),		GWP Federa
Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.			Title 8, Section 5142, and other related regulations. 5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be		with a
<ol> <li>If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.</li> <li>For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)</li> </ol>			<ul> <li>completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:</li> <li>1. Site information, including facility description, history and current requirements.</li> <li>2. Site contact information.</li> <li>3. Basic operations and maintenance, including general site operating procedures, basic</li> </ul>		150, a sec.82 MERV
SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum)			<ul> <li>troubleshooting, recommended maintenance requirements, site events log.</li> <li>4. Major systems.</li> <li>5. Site equipment inventory and maintenance notes.</li> <li>6. A copy of verifications required by the enforcing agency or this code.</li> </ul>		MAXII compo hundro
paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.			<ol> <li>Other resources and documentation, if applicable.</li> <li>5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance</li> </ol>		article produc <b>PSIG</b>
<ul> <li>Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources</li> <li>Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.</li> <li>5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits,</li> </ul>			staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following: 1. System/equipment overview (what it is, what it does and with what other systems and/or		REAC
<ul> <li>Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.</li> </ul>			<ul><li>equipment it interfaces).</li><li>2. Review and demonstration of servicing/preventive maintenance.</li><li>3. Review of the information in the Systems Manual.</li><li>4. Review of the record drawings on the system/equipment.</li></ul>		ozone SCHR SHOR
<b>5.410.1.2 Sample ordinance.</b> Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the <i>Public Resources Code</i> . Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).			<b>5.410.2.6 Commissioning report. [N]</b> 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.		with a SUPE or more to rem
<b>Note:</b> A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.		MECHANICA ENGINEER	<b>5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet.</b> Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.		VOC. vapor hydrog
		CONTRACTO	5.410.4.2 (Reserved)		Note include
			<b>Note:</b> 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 system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.		SEC 5.503. woods Subch
			<b>5.410.4.2 Systems.</b> Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:		
			<ol> <li>Renewable energy systems.</li> <li>Landscape irrigation systems.</li> <li>Water reuse systems.</li> </ol>	CONTRACTOR	SEC 5.504. neces materi
			<b>5.410.4.3 Procedures.</b> Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.		Minim 30% b occup
			<b>5.410.4.3.1 HVAC balancing.</b> In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.	CONTRACTOR	<b>5.504.</b> rough equipr sheetr may e

CTION 5.501 GENERAL **I.1 SCOPE.** The provisions of this chapter shall outline means of reducing the quantity of air contaminants that dorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

2.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference) ERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

IGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting ments have been made. I/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound iter one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu,

mount of heat required to melt a ton (2,000 pounds) of ice at 32<sup>0</sup> Fahrenheit. MUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), ot that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm

pm) in addition to the 10 dB nighttime adjustment used in the Ldn. POSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium ity fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, tural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood l–joists or -jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

See CCR, Title 17, Section 93120.1.

-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a pur period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.). IBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, d power, sound intensity) with respect to a reference quantity.

CTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, , vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor raws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, ad, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground ort equipment, tractors, boats, and the like, are not included.

CTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles. CTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and ment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring he electric vehicle.

RGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as uctuating noise level integrated over the time of period of interest.

RESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may divided or have grade separations at intersections.

WAY. A divided arterial highway with full control of access and with grade separations at intersections. BAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse elative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference ound with a GWP of one.

BAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the jovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or urth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of e 2.14., the AR4 GWP values are found in column "100 yr" of Table 2.14.

I-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of ral Regulations, Part 82, sec 82.3 (as amended March 10, 2009).

RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, a radius 1.5 times the pipe diameter.

-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, 2.3 (as amended March 10, 2009). /. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

**IMUM INCREMENTAL REACTIVITY (MIR).** The maximum change in weight of ozone formed by adding a bound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to reths of a gram (g O³/g ROC).

DUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of uct (excluding container and packaging).

Pounds per square inch, guage.

CTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to formation in the troposphere.

ADER ACCESS VALVES. Access fittings with a valve core installed. a radius 1.0 times the pipe diameter.

RT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, **RMARKET.** For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet ore conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected note compressor units or condensing units.

A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with r pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain ogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a) Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition ded in that specific regulation is the one that prevails for the specific measure in question. CTION 5.503 FIREPLACES

3.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed Istove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, hapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances. **5.503.1.1 Woodstoves.** Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

CTION 5.504 POLLUTANT CONTROL I.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if sary to condition the building or areas of addition or alteration within the required temperature range for rial and equipment installation. If the HVAC system is used during construction, use return air filters with a num Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of pased on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is pied during alteration, at the conclusion of construction.

1.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of installation and during storage on the construction site until final startup of the heating, cooling and ventilation ment, all duct and other related air distribution component openings shall be covered with tape, plastic, netal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which enter the system.

NOT APPLICABLE RESPONSIBLE PARTY A — ARCHITECT E — ENGINEER O — OWNER C — CONTRACTOR

**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.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

### ISION 5.5 ENVIRONMENTAL QUALITY

CTION 5.502 DEFINITIONS



ARCHITECT: Tiana L. Perez, Architect California Licensed Architect No. C-38000 Ren 01-31-23 Fresno County Department of Public Works & Planning Development Services and Capital Projects Division 2220 Tulare Street, Eighth Floor Fresno, California 93721

Office: (559) 600-4536 E-mail: tperez@fresnocountyca.gov

Fresno County Environmental Compliance Center Phase 2: Office / Storage Building

Project Address: 310 S. West Avenue, Fresno CA 93706 APN: 458-060-72 Issue Date:

Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ American Ave Landfill \ T90203 Environmental Compliance Center\ 00 2018 ECC

Sheet Content:

CAL GREEN COMPLIANCE SHEET 2



2220 Tulare Street, 8th Floor Fresno, California 93721

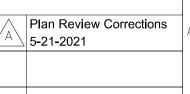
Fresno County Department of Public Works and Planning

Capital Projects

Sheet No.



Bid Addendum 2 5-21-2021



Drawn by: MR (DJA)



Y N/A RESPON. PARTY

# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2020, Includes August 2019 Supplement)

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through ARCHITECT 5.504.4.6.

> 5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks 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. Such

products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

#### 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.

TABLE 5.504.4.1 - ADHESIVE VOC LIM	
Less Water and Less Exempt Compounds in Grams p	
	50
	50
	150
	100
	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168,

www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOO	C LIMIT						
Less Water and Less Exempt Compounds in Grams per Liter							
SEALANTS CURRENT VOC LIM							
ARCHITECTURAL	250						
MARINE DECK	760						
NONMEMBRANE ROOF	300						
ROADWAY	250						
SINGLE-PLY ROOF MEMBRANE	450						
OTHER	420						
SEALANT PRIMERS							
ARCHITECTURAL							
NONPOROUS	250						
POROUS	775						
MODIFIED BITUMINOUS	500						
MARINE DECK	760						
OTHER	750						
NOTE: FOR ADDITIONAL INFORMATION R	EGARDING METHODS TO						

MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

**5.504.4.3 Paints and coatings.** Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

4

N/A RESP	
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TABLE 5.504.4.3 - VOC CONTENT I COATINGS <sub>2,3</sub>
GRAMS OF VOC PER LITER OF COATING, LESS WATER
COATING CATEGORY
NONFLAT COATINGS
NONFLAT HIGH GLOSS COATINGS
ALUMINUM ROOF COATINGS BASEMENT SPECIALTY COATINGS
BITUMINOUS ROOF COATINGS
BITUMINOUS ROOF PRIMERS
BOND BREAKERS
CONCRETE/MASONRY SEALERS
DRIVEWAY SEALERS
DRY FOG COATINGS
FIRE RESISTIVE COATINGS
FLOOR COATINGS
FORM-RELEASE COMPOUNDS
GRAPHIC ARTS COATINGS (SIGN PAINTS)
INDUSTRIAL MAINTENANCE COATINGS
LOW SOLIDS COATINGS1
MAGNESITE CEMENT COATINGS MASTIC TEXTURE COATINGS
METALLIC PIGMENTED COATINGS
MULTICOLOR COATINGS
PRETREATMENT WASH PRIMERS PRIMERS, SEALERS, & UNDERCOATERS
REACTIVE PENETRATING SEALERS
RECYCLED COATINGS
RUST PREVENTATIVE COATINGS SHELLACS:
CLEAR
OPAQUE
SPECIALTY PRIMERS, SEALERS & UNDERCO
STAINS STONE CONSOLIDANTS
SWIMMING POOL COATINGS
TRAFFIC MARKING COATINGS
TUB & TILE REFINISH COATINGS WATERPROOFING MEMBRANES
WOOD COATINGS
WOOD PRESERVATIVES
ZINC-RICH PRIMERS 1. GRAMS OF VOC PER LITER OF COATING, INCLUDIN
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS
THE TABLE. 3. VALUES IN THIS TABLE ARE DERIVED FROM THOSI
ARCHITECTURAL COATINGS SUGGESTED CONTROL I FROM THE AIR RESOURCES BOARD.
5.504.4.3.2 Verification. Verification of cor
the enforcing agency. Documentation may 1. Manufacturer's product specificat
<ol> <li>Field verification of on-site produ</li> <li>5.504.4.4 Carpet Systems. All carpet installed in</li> </ol>
product requirements:
<ol> <li>Carpet and Rug Institute's Green Label</li> <li>Compliant with the VOC-emission limit Department of Public Health Standard</li> </ol>
Chemical Emissions from Indoor Source 2010 (also known as CDPH Standard I
<ol> <li>NSF/ANSI 140 at the Gold level or high</li> <li>Scientific Certifications Systems Sustai</li> </ol>
<ol><li>Compliant with the Collaborative for High listed in the CHPS High Performance F</li></ol>
5.504.4.4.1 Carpet cushion. All carp
requirements of the Carpet and Rug
5.504.4.4.2 Carpet adhesive. All car 5.504.4.5 Composite wood products. Hardwoo
composite wood products used on the interior or formaldehyde as specified in ARB's Air Toxics Co
seq.). Those materials not exempted under the A Table 5.504.4.5.
5.504.4.5.3 Documentation. Verific
requested by the enforcing agency. I
2. Chain of custody certifications

- 2. Chain of custody certification 3. Product labeled and invoice
- CCR, Title 17, Section 9312 4. Exterior grade products mar
- Engineered Wood Associat standards.
- 5. Other methods acceptable

		Y N/A RESPON. PARTY	Y N/A RESPON. PARTY
TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR A COATINGS2.3	RCHITECTURAL	TABLE 5.504.4.5 - FORMALDEHYDE LIMITS1         MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	<b>5.508.2.1 Refrigerant piping.</b> Piping compliant with the California Mechanical Code shall be installed t accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outsid 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.
GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT C		PRODUCT CURRENT LIMIT	5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.
COATING CATEGORY FLAT COATINGS	50	HARDWOOD PLYWOOD VENEER CORE 0.05	5.508.2.1.2 Copper plpe. Copper tubing with an OD less than 1/4 inch may be used in systems
NONFLAT COATINGS	100	HARDWOOD PLYWOOD COMPOSITE CORE 0.05	refrigerant charge of 5 pounds or less.
NONFLAT HIGH GLOSS COATINGS	150	PARTICLE BOARD     0.09       MEDIUM DENSITY FIBERBOARD     0.11	<b>5.508.2.1.2.1 Anchorage.</b> One-fouth-inch OD tubing shall be securely clamped to a rigid b keep vibration levels below 8 mils.
SPECIALTY COATINGS		THIN MEDIUM DENSITY FIBERBOARD2     0.13	5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pres
	400 400	1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR	controls, valve pilot lines and oil.
BASEMENT SPECIALTY COATINGS BITUMINOUS ROOF COATINGS	50	ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.	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 manual sealant suitable for use with refrigerants and tightened in accordance with manual sealant suitable for use with refrigerants and tightened in accordance with manual sealant suitable for use with refrigerants and tightened in accordance with manual sealant sealant suitable for use with refrigerants and tightened in accordance with manual sealant se
BITUMINOUS ROOF PRIMERS	350	2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).	recommendations. 5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use
BOND BREAKERS	350	<b>5.504.4.6 Resilient flooring systems.</b> For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:	long radius elbows.
CONCRETE CURING COMPOUNDS	350	1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;	<b>5.508.2.2 Valves.</b> Valves Valves and fittings shall comply with the <i>California Mechanical Code</i> and as follows.
CONCRETE/MASONRY SEALERS DRIVEWAY SEALERS	50	<ol> <li>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,</li> </ol>	5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc
DRY FOG COATINGS	150	Version 1.1, February 2010; 3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria	be installed between the outlet of the vessel and the inlet of the pressure relief valve.
FAUX FINISHING COATINGS	350	and listed in the CHPS High Performance Product Database; or 4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools	5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device be installed in the space between the rupture disc and the relief valve inlet to indicate a disc
FIRE RESISTIVE COATINGS	350	Program).	rupture or discharge of the relief valve.
FLOOR COATINGS FORM-RELEASE COMPOUNDS	250	<b>5.504.4.6.1 Verification of compliance.</b> Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.	<b>5.508.2.2.2 Access valves.</b> Only Schrader access valves with a brass or steel body are permitted for use.
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500	<b>5.504.5.3 Filters.</b> 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 Minimum Efficiency Reporting Value (MERV) of	<b>5.508.2.2.2.1 Valve caps.</b> For systems with a refrigerant charge of 5 pounds or more, valve shall be brass or steel and not plastic.
HIGH-TEMPERATURE COATINGS	420	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.	<b>5.508.2.2.2.2 Seal caps.</b> If designed for it, the cap shall have a neoprene O-ring in place.
	250	Exceptions: Existing mechanical equipment.	5.508.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valv
LOW SOLIDS COATINGS1 MAGNESITE CEMENT COATINGS	450	5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV	designed to have seal caps.
MASTIC TEXTURE COATINGS	100	rating.	<b>Exception:</b> Valves with seal caps that are not removed from the valve during operation.
METALLIC PIGMENTED COATINGS	500	Image: State of the state	<b>5.508.2.3 Refrigerated service cases.</b> Refrigerated service cases holding food products containing vir salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to p
	250	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. When ordinances, regulations or policies are not in place, post	corrosion from these substances.
PRETREATMENT WASH PRIMERS PRIMERS, SEALERS, & UNDERCOATERS	420	signage to inform building occupants of the prohibitions.	<b>5.508.2.3.1 Coil coating.</b> Consideration shall be given to the heat transfer efficiency of coil coati maximize energy efficiency.
REACTIVE PENETRATING SEALERS	350		5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall b
RECYCLED COATINGS	250	Image: Section 5.505 INDOOR MOISTURE CONTROL         Image: Section 5.505.1 INDOOR MOISTURE CONTROL.         Section 5.505.1 INDOOR MOISTURE CONTROL.	with a device tha indicates the level of refrigerant in the receiver.
ROOF COATINGS	50	ARCHITECT, MECHANICAL ENGINEER CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.	5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation charging.
RUST PREVENTATIVE COATINGS SHELLACS:	250	SECTION 5.506 INDOOR AIR QUALITY	5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and
CLEAR	730	5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum	appropriate tracer gas to bring system pressure up to 300 psig minimum.
OPAQUE	550	ENGINEER t code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.	5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using th gauge.
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100	5.506.2 CARBON DIOXIDE (CO <sub>2</sub> ) MONITORING. For buildings or additions equipped with demand control ventilation, CO <sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements	<b>5.508.2.5.3 Allowable pressure change.</b> The system shall stand, unaltered, for 24 hours with n than a +/- one pound pressure change from 300 psig, measured with the same gauge.
STAINS	250	of the California Energy Code, Section 120(c)(4).	<b>5.508.2.6 Evacuation.</b> The system shall be evacuated after pressure testing and prior to charging.
STONE CONSOLIDANTS	450	SECTION 5.507 ENVIRONMENTAL COMFORT 5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class	5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns)
SWIMMING POOL COATINGS TRAFFIC MARKING COATINGS	340 100	Contractor Class (OITC) determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in	hold for 30 minutes.
TUB & TILE REFINISH COATINGS	420	Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior	5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and h minutes.
WATERPROOFING MEMBRANES	250	noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.	<b>5.508.2.6.3 Third vacuum.</b> Pull a third vacuum down to a minimum of 300 microns, and hold for with a maximum drift of 100 microns over a 24-hour period.
WOOD COATINGS	275	Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all	
WOOD PRESERVATIVES ZINC-RICH PRIMERS	350 340	subsections apply only to new construction.	
1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT		<b>5.507.4.1 Exterior noise transmission, prescriptive method.</b> Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC and the source for the source of the sou	CHAPTER 7
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS AF THE TABLE.	RE LISTED IN SUBSEQUENT COLUMNS IN	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 following locations:	INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 20		1. Within the 65 CNEL noise contour of an airport.	702 QUALIFICATIONS
FROM THE AIR RESOURCES BOARD. <b>5.504.4.3.2 Verification.</b> Verification of compliance with this s the enforcing agency. Documentation may include, but is not 1. Manufacturer's product specification		<ul> <li>Exceptions:</li> <li>1. L<sup>dn</sup> or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.</li> <li>2. L<sup>dn</sup> or CNEL for other airports and heliports for which a land use plan has not been developed</li> </ul>	<b>702.1 INSTALLER TRAINING.</b> HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC Examples of acceptable HVAC training and certification programs include but are not limited to the following:
<ol> <li>Field verification of on-site product containers</li> </ol>		shall be determined by the local general plan noise element.	1. State certified apprenticeship programs.
<b>5.504.4.4 Carpet Systems.</b> All carpet installed in the building interic product requirements:	or shall meet at least one of the testing and	<ol> <li>Within the 65 CNEL or Ldn noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.</li> </ol>	<ol> <li>Public utility training programs.</li> <li>Training programs sponsored by trade, labor or statewide energy consulting or verification organiza</li> <li>Programs sponsored by manufacturing organizations.</li> </ol>
1. Carpet and Rug Institute's Green Label Plus Program.		<b>5.507.4.1.1. Noise exposure where noise contours are not readily available.</b> Buildings exposed to a noise level of 65 dB $L_{eq}$ - 1-hr during any hour of operation shall have building, addition or alteration	5. Other programs acceptable to the enforcing agency.
<ol> <li>Compliant with the VOC-emission limits and testing require Department of Public Health Standard Method for the Test Characteristic Emission from Indexe Courses I January Emission</li> </ol>	sting and Evaluation of Volatile Organic	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).	<b>702.2 SPECIAL INSPECTION [HCD].</b> When required by the enforcing agency, the owner or th responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspecti
<ul> <li>Chemical Emissions from Indoor Sources Using Environn 2010 (also known as CDPH Standard Method V1.1 or Spe 3. NSF/ANSI 140 at the Gold level or higher;</li> <li>4. Scientific Certifications Systems Sustainable Choice; or</li> <li>5. Compliant with the Collaborative for High Performance Sources</li> </ul>	ecification 01350).	<b>5.507.4.2 Performance Method.</b> For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does	other certifications or qualifications acceptable to the enforcing agency, the following certifications or education considered by the enforcing agency when evaluating the qualifications of a special inspector:
listed in the CHPS High Performance Product Database.		not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.	<ol> <li>Certification by a national or regional green building program or standard publisher.</li> <li>Certification by a statewide energy consulting or verification organization, such as HERS raters, building program or standard publisher.</li> </ol>
<b>5.504.4.4.1 Carpet cushion.</b> All carpet cushion installe requirements of the Carpet and Rug Institute Green Lat		<b>5.507.4.2.1 Site Features.</b> Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.	<ul> <li>2. Certification by a statewide energy consulting of verification organization, such as heres, but performance contractors, and home energy auditors.</li> <li>3. Successful completion of a third party apprentice training program in the appropriate trade.</li> </ul>
5.504.4.4.2 Carpet adhesive. All carpet adhesive shall		<b>5.507.4.2.2 Documentation of Compliance.</b> An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.	4. Other programs acceptable to the enforcing agency.
5.504.4.5 Composite wood products. Hardwood plywood, particle		5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant	Notes:
composite wood products used on the interior or exterior of the build formaldehyde as specified in ARB's Air Toxics Control Measure (AT	CM) for Composite Wood (17 CCR 93120 e	spaces and public places shall have an STC of at least 40.	<ol> <li>Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.</li> </ol>
seq.). Those materials not exempted under the ATCM must meet th Table 5.504.4.5.	e specified emission limits, as shown in	<b>Note:</b> Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.	2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to r homes in California according to the Home Energy Rating System (HERS).
<b>5.504.4.5.3 Documentation.</b> Verification of compliance requested by the enforcing agency. Documentation sha		SECTION 5.508 OUTDOOR AIR QUALITY	[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate
<ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> <li>Product labeled and invoiced as meeting the</li> </ol>	-	Image: Contractor       5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.         Image: Contractor       5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.	compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforce agency for the particular type of inspection or task to be performed. In addition, the special inspector shall ha
CCR, Title 17, Section 93120, et seq.). 4. Exterior grade products marked as meeting t	the PS-1 or PS-2 standards of the	<b>5.508.1.2 Halons.</b> Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.	<b>Note:</b> Special inspectors shall be independent entities with no financial interest in the materials or the
Engineered Wood Association, the Australian standards.	n AS/NZS 2269 or European 636 3S	5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the	project they are inspecting for compliance with this code.
5. Other methods acceptable to the enforcing a	gency.	<ul> <li>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.</li> <li>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 (CO<sub>2</sub>), and potentially other refrigerants.</li> </ul>	<b>703 VERIFICATIONS</b> <b>703.1 DOCUMENTATION.</b> Documentation used to show compliance with this code shall include but is not li construction documents, plans, specifications, builder or installer certification, inspection reports, or other met acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriet section or identified applicable checklist.
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RESPONSIBLE PARTY A — ARCHITECT E — ENGINEER O — OWNER C — CONTRACTOR

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. One-fouth-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.

**5.508.2.2.1 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.

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 Seal caps.** If designed for it, the cap shall have a neoprene O-ring in place.

**Exception:** Valves with seal caps that are not removed from the valve during stem operation

08.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and t shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent rosion from these substances.

**5.508.2.3.1 Coil coating.** Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

08.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted h a device tha indicates the level of refrigerant in the receiver.

**508.2.5 Pressure testing.** The system shall be pressure tested during installation prior to evacuation and arging.

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.

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

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.

## PTER 7

## ALLER & SPECIAL INSPECTOR QUALIFICATIONS UALIFICATIONS

**INSTALLER TRAINING.** HVAC system installers shall be trained and certified in the proper n of HVAC systems including ducts and equipment by a nationally or regionally recognized training or on program. Uncertified persons may perform HVAC installations when under the direct supervision and illity of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems.

Public utility training programs. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations. Programs sponsored by manufacturing organizations.

**SPECIAL INSPECTION [HCD].** When required by the enforcing agency, the owner or the le entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or es necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence isfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to ifications or qualifications acceptable to the enforcing agency, the following certifications or education may be d by the enforcing agency when evaluating the qualifications of a special inspector:

Certification by a national or regional green building program or standard publisher. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors. Successful completion of a third party apprentice training program in the appropriate trade. Other programs acceptable to the enforcing agency.

When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent loy one or more special inspectors to provide inspection or other duties necessary to substantiate ce with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing or the particular type of inspection or task to be performed. In addition, the special inspector shall have a on from a recognized state, national or international association, as determined by the local agency. The ertification shall be closely related to the primary job function, as determined by the local agency.

### **/ERIFICATIONS**

CUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, on documents, plans, specifications, builder or installer certification, inspection reports, or other methods e to the enforcing agency which demonstrate substantial conformance. When specific documentation or spection is necessary to verify compliance, that method of compliance will be specified in the appropriate r identified applicable checklist.



ARCHITECT: Tiana L. Perez, Architect California Licensed Architect No. C-38000 Ren. 01-31-23 Fresno County Department of Public Works & Planning Development Services and Capital Projects Division 2220 Tulare Street, Eighth Floor Fresno, California 93721

Office: (559) 600-4536 E-mail: tperez@fresnocountyca.gov

Fresno County **Environmental Compliance Center** Phase 2: Office / Storage Building

Project Address: 310 S. West Avenue, Fresno CA 93706 APN: 458-060-72 Issue Date:

Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ American Ave Landfill \ T90203 Environmental Compliance Center\ 00 2018 ECC

Sheet Content:

CAL GREEN COMPLIANCE SHEET 3

Fresno County Department of Public Works and Planning Capital Projects



2220 Tulare Street, 8th Floor Fresno, California 93721

Sheet No.

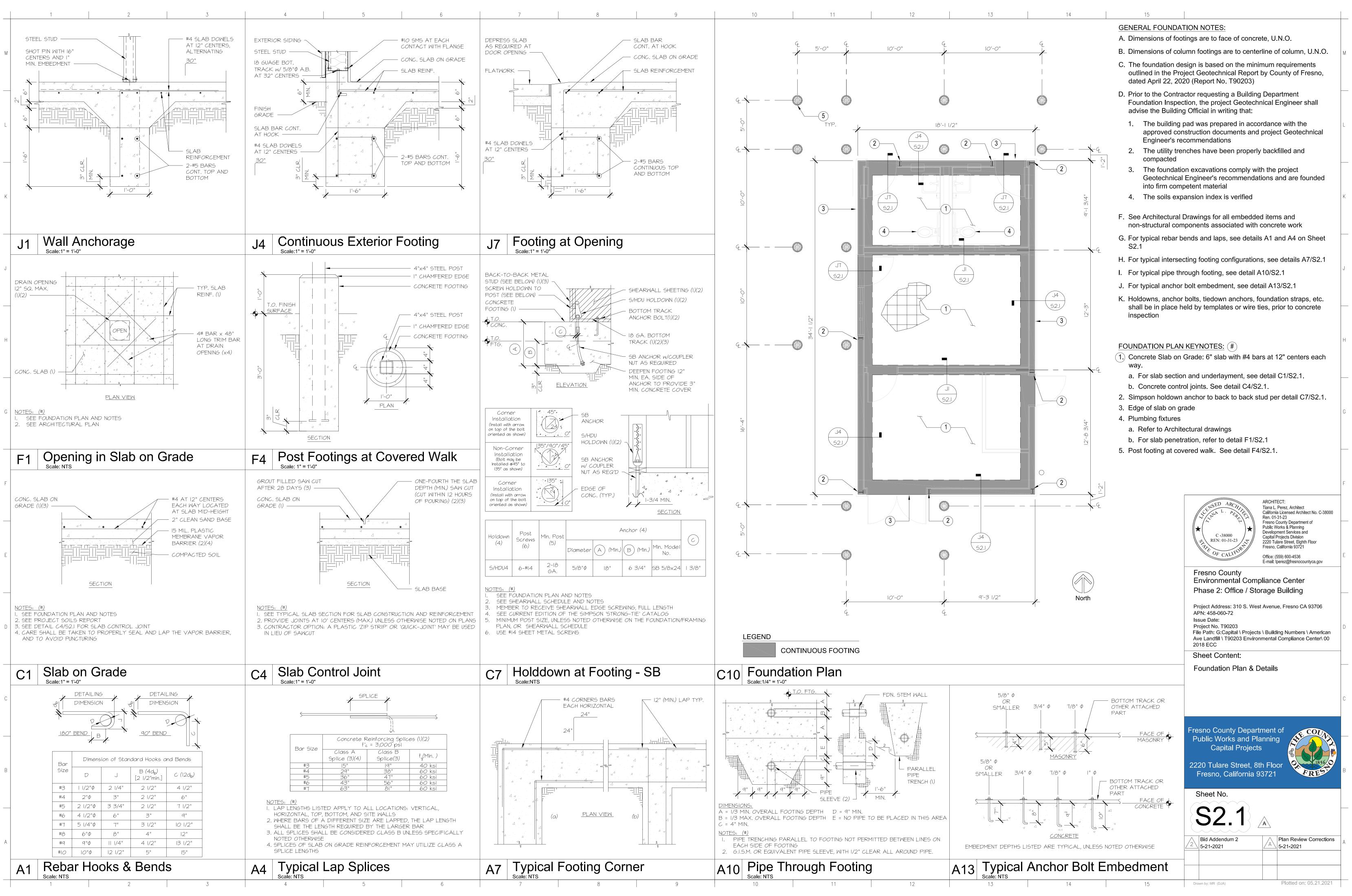


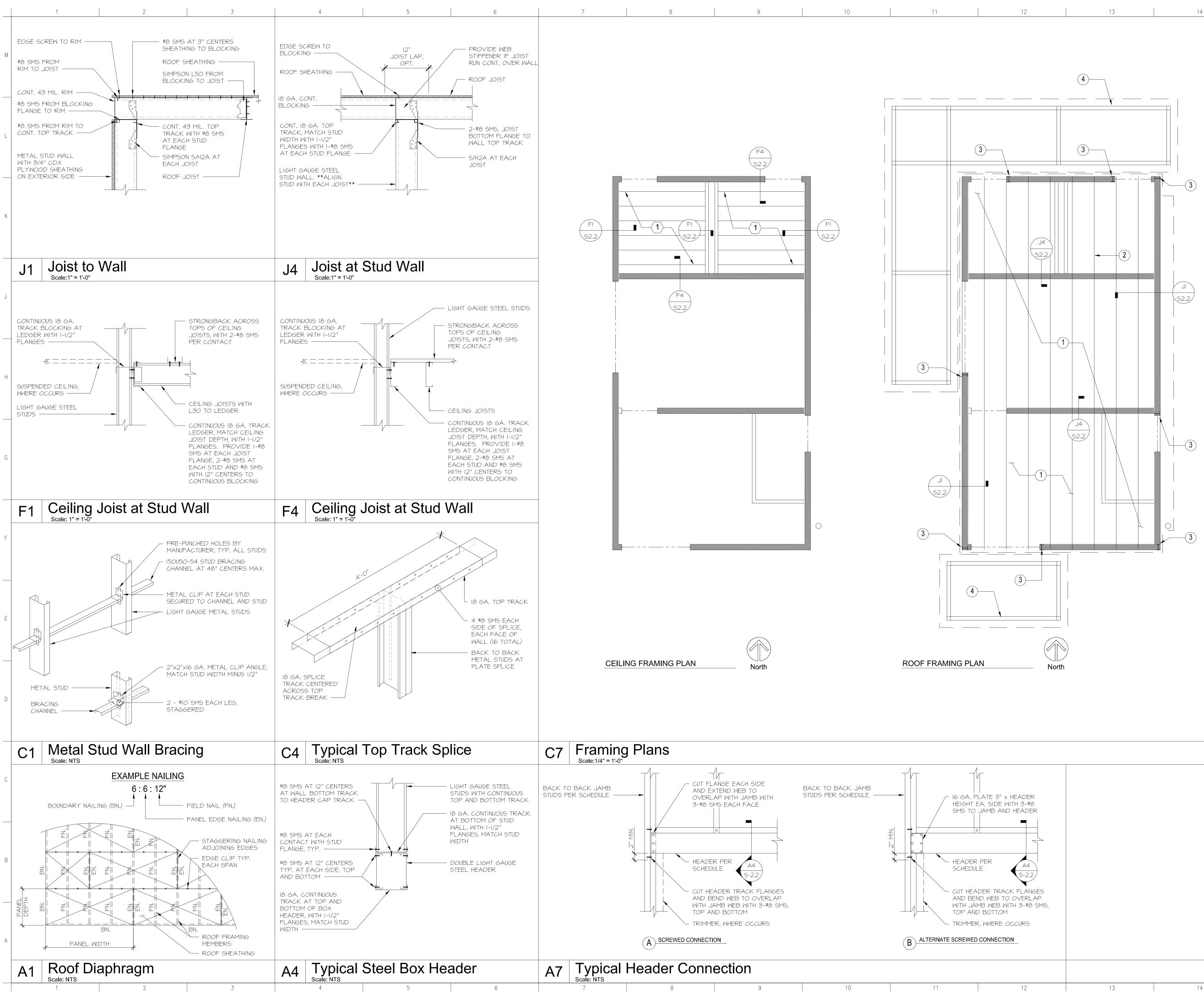
Bid Addendum 2 5-21-2021

Plan Review Corrections 5-21-2021

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## **GENERAL FRAMING NOTES:**

- A. Refer to Architectural Floor Plans for interior non-bearing walls, soffits. eave details. and miscellaneous non-structural details and requirements.
- B. Roof sheathing shall be laid with face grain perpendicular to framing and sheets staggered per detail A1/S2.2. Provide panel sheathing clip (SPCL) each unbraced edge span.
- C. Structural cold formed steel stud walls shall be framed with continuous top track (typical, U.N.O.). See detail C4/S2.2 for splice

## ROOF FRAMING PLAN KEYNOTES: (#)

- (1.) Typical Roof Sheathing: 5/8" Structural I Sheathing.
- a. For slab section and underlayment, see detail C1/S2.1.
- b. Use exterior grade where sheathing is exposed to weather.
- c. Fasten with #8 SMS at 6:6:12" centers.
- 2. 600S200-43 roof joists at 24" centers.
- 3. 2-600S162-43 studs, back to back, at end of braced wall.
- 4. Canopy Framing, refer to detail K1/S2.3.

### CEILING FRAMING PLAN KEYNOTES: $\langle \# angle$

- $\langle 1. \rangle$  Typical Ceiling Joist: 600S162-43 at 16" centers.
- a. Provide 362S162-33 flat strong-back across tops of joists at mid-span. Attach with 2 #8 SMS per joist flange.

	WALL FRAMING LEGEND	
Hatch Symbol	Wall Type	Header (4), U.N.O
	Non Structural Wall. See Architectural Drawings	N/A
	600S162-33 Metal Studs with 16" centers (1)(2)(3)(5)	600S162-43 Box Beam
Wall Framing Schedule	Notes: (#)	
1. See detail C4/S2.2 fo	or typical double top plate splice	

- 2. Studs shall be braced at 48" on center maximum. Refer to detail C1/S2.2
- 3. Verify wall layout and height with Architectural Drawings
- 4. See details A4/S2.2 and A7/S2.2 for typical box header construction
- 5. Exterior walls shall have 7/16" CDX plywood sheathing.



2018 ECC Sheet Content:

Roof Framing Plan, Ceiling Framing Plan



Fresno County Department of Public Works and Planning Capital Projects



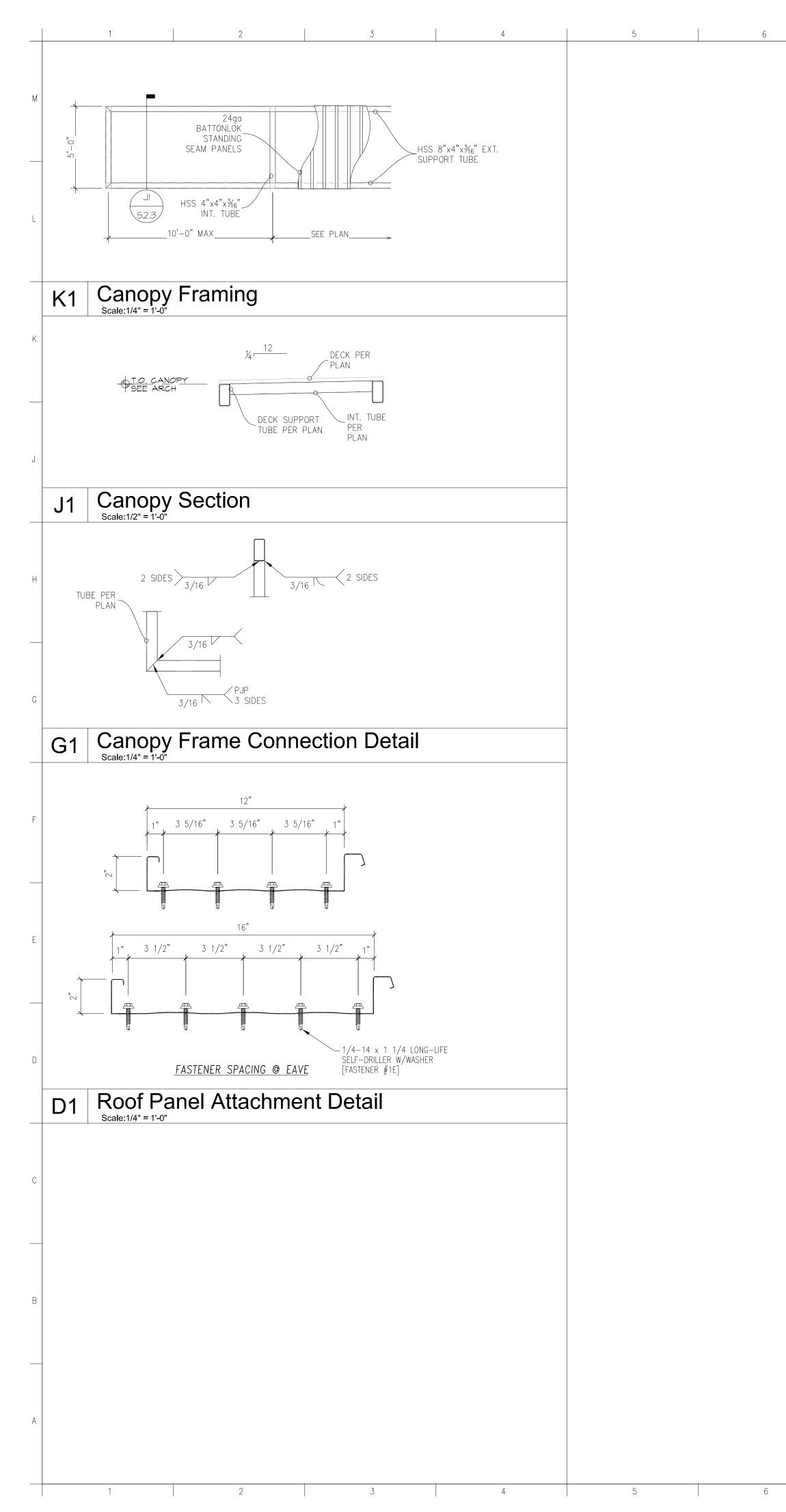


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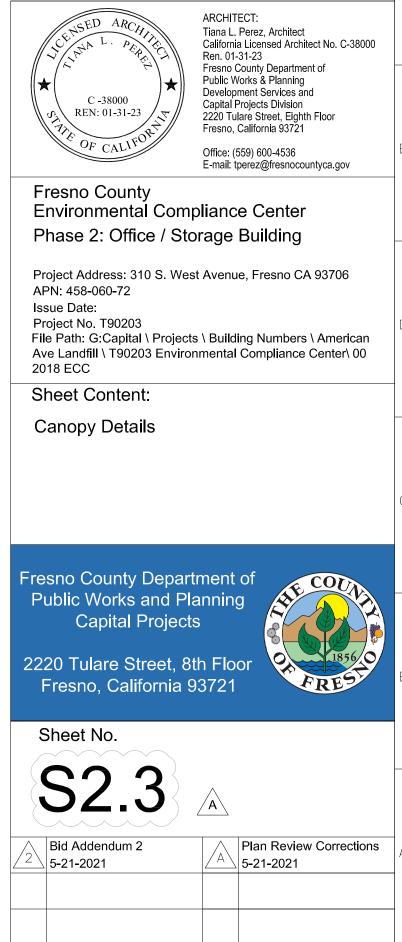
Plan Review Corrections 5-21-2021

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THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: CALIFORNIA CODE OF REGULATIONS TITLE 9, INDUSTRIAL RELATIONS TITLE 9, INDUSTRIAL RELATIONS TITLE 9, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS TITLE 9, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS 2019 CALIFORNIA BUILDING CODE, PART 3, TITLE 24 CCR 2019 CALIFORNIA BUILDING CODE, PART 3, TITLE 24 CCR 2019 CALIFORNIA BUILDING CODE, PART 4, TITLE 24 CCR 2019 CALIFORNIA BUILDING CODE, PART 4, TITLE 24 CCR 2019 CALIFORNIA HECHANICAL CODE, PART 3, TITLE 24 CCR 2019 CALIFORNIA FIRE CODE, PART 5, TITLE 24 CCR 2019 CALIFORNIA SAFETY AND HEALTH ACT LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE FULMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELEBORS FOR COROINATIONS ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFUL	
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	E CHA
PENETRATIONS OF PIPES, CONDUITS, ETC. IN WALLS OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED INCLUDING EXISTING PIPE AND CONDUIT THROUGH NEW WALLS AND FLOORS. SEE SPECS. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY. PENETRATIONS THROUGH FIRE-RATED FLOORS AND WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CBC SECTION 714 AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE PROVIDED FOR REVIEW BY INSPECTION AUTHORITIES. SUBSTITUTIONS OF OR REVISIONS OR ADDITIONS TO MAINTAIN ADA	LOW
APPROVED SYSTEMS SHALL BE SUBMITTED TO THE INSPECTOR OF RECORD AND THE REFER TO DE OSHPD FIRE MARSHAL FOR FIELD REVIEW AND APPROVAL.	
ALL PIPING AND CONDUIT SHALL BE SUPPORTED PER MASON WEST, INC. "SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED DISTRIBUTION SYSTEMS", 1ST EDITION, 2019; OSHPD PRE-APPROVED ANCHORAGE OPM-0043-13, OR OTHER OSHPD PRE-APPROVED SYSTEM. 3/4" CONDENS	
WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.	TAILI
FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.	
INSTALLATION OF NEW UTILITIES FROM EXISTING MAINS IN THE STREET SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.	
INSTALLATION, TYPE AND MANUFACTURERS MODELS OF DOMESTIC WATER METERS, BACKFLOW PREVENTERS, FIRE HYDRANTS, DETECTOR CHECK VALVES, MANHOLES, DRAIN INLETS/OUTLETS AND OTHER APPURTENANCE OF SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.	-
BACKFLOW PREVENTER SHALL BE INSTALLED AT THE MINIMUM HEIGHT ABOVE FINISH GRADE AS ALLOWED BY GOVERNING AUTHORITY.	
CONTRACTOR SHALL EXCAVATE AND BACKFILL THE GAS SERVICE TRENCH FOR THE LOCAL GAS UTILITY. THE LOCAL GAS UTILITY SHALL INSTALL THEIR GAS SERVICE LINE TO THE GAS METER. TRENCHING SHALL BE IN ACCORDANCE WITH UTILITY STANDARDS. ALL CHARGES AND FEES INCURRED BY THE UTILITY FOR NEW GAS	
ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED SHEET P-1.0 O OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN GRADE BY ELE APPLICABLE.	F SH/ JIT F( CTRI
LOCAL GAS UTILITY. THE LOCAL GAS UTILITY SHALL INSTALL THEIR GAS SERVICE LINE TO THE GAS METER. TRENCHING SHALL BE IN ACCORDANCE WITH UTILITY STANDARDS. ALL CHARGES AND FEES INCURRED BY THE UTILITY FOR NEW GAS SERVICE SHALL BE PAID BY THE CONTRACTOR. ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN CRADE BY FL	ΓΑΙ = S JIT

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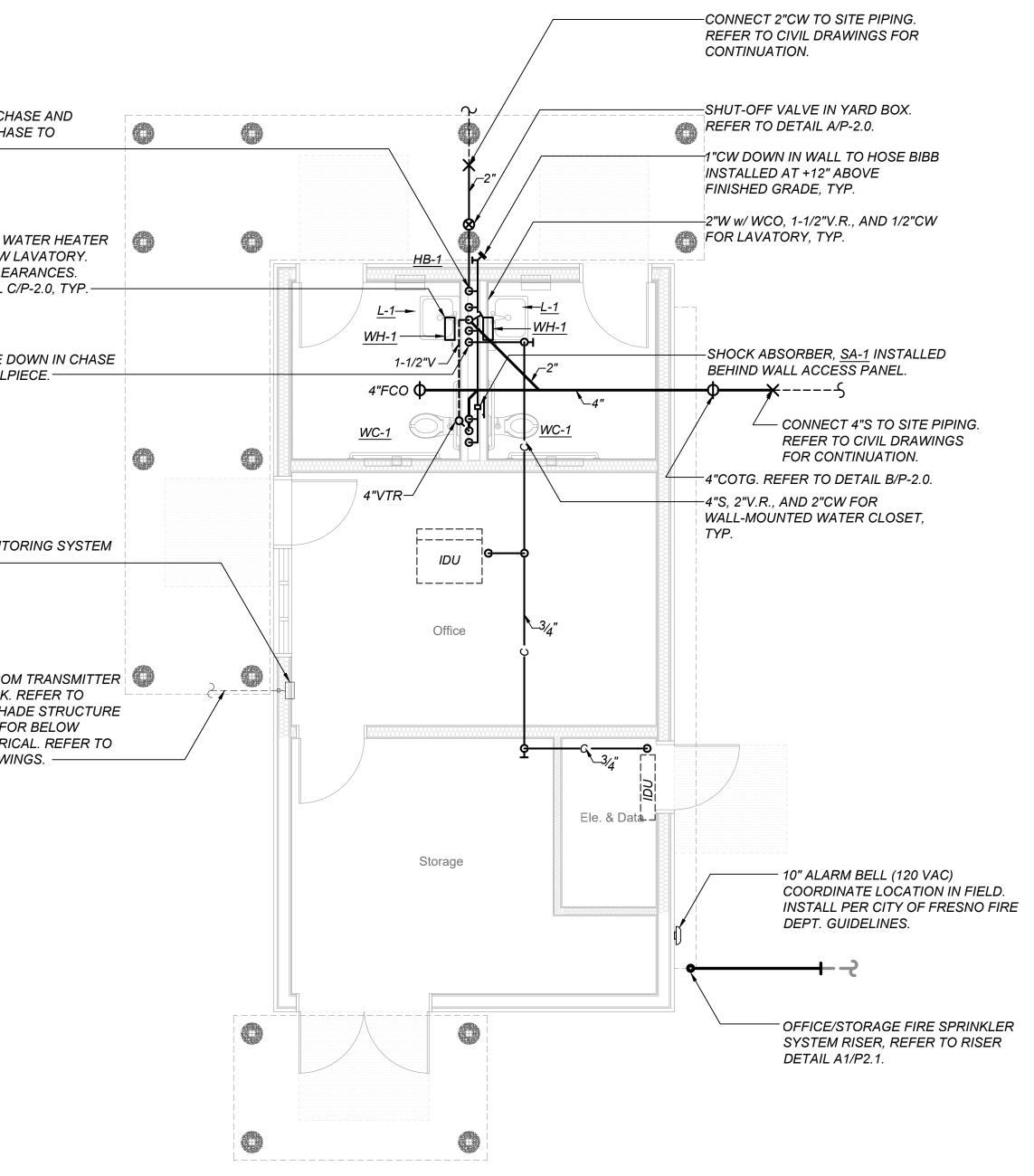
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# A1 OFFICE/STORAGE BUILDING PLUMBING PLAN



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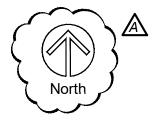
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	PLUMBING LEGEND	
SYMBOL	ITEM	ABBR.
	SOIL or WASTE	S or W
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RETURN	HWR
—-G —	LOW PRESSURE NATURAL GAS	G
— CD —	CONDENSATE DRAIN	CD
	EXISTING PIPING	
	FLOOR CLEANOUT	FCO
$-\Phi$	CLEANOUT TO GRADE	COTG
+1	WALL CLEANOUT	WCO
———————————————————————————————————————	PIPING TURN UP	
— — Ə	PIPING TURN DOWN	
$-\times$	POINT OF CONNECTION	POC
(N)	NEW	
(E)	EXISTING	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
$-\otimes$	SHUT-OFF VALVE IN BOX	SOV
X	SHUT-OFF VALVE	SOV
	CHECK VALVE	
$\neg \neg \vdash$	PLUG VALVE	
—F	FIRE PROTECTION LINE	
-RWL-	RAIN WATER LEADER	RWL
OD	OVERFLOW DRAIN	OD
— SD —	STORM DRAIN	SD
	TEPID WATER	TW
++++++++++	DEMOLITION	DEMO



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PROFESSION MISSION REN 9-30-204 REN 9-30-204

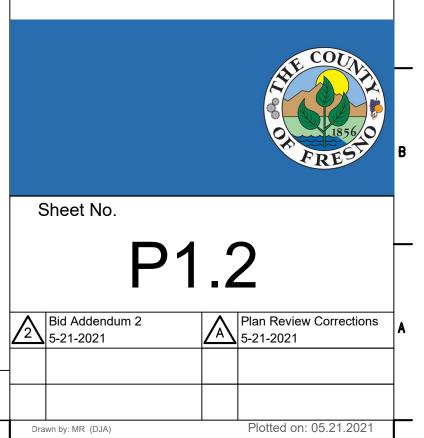


Project Address: 310 S. West Avenue, Fresno CA 93706 APN: 458-060-72 Issue Date: Project No. T90203

File Path: G:Capital \ Projects \ Building Numbers \ American Ave Landfill \ T90203 Environmental Compliance Center\ 00 2018 ECC

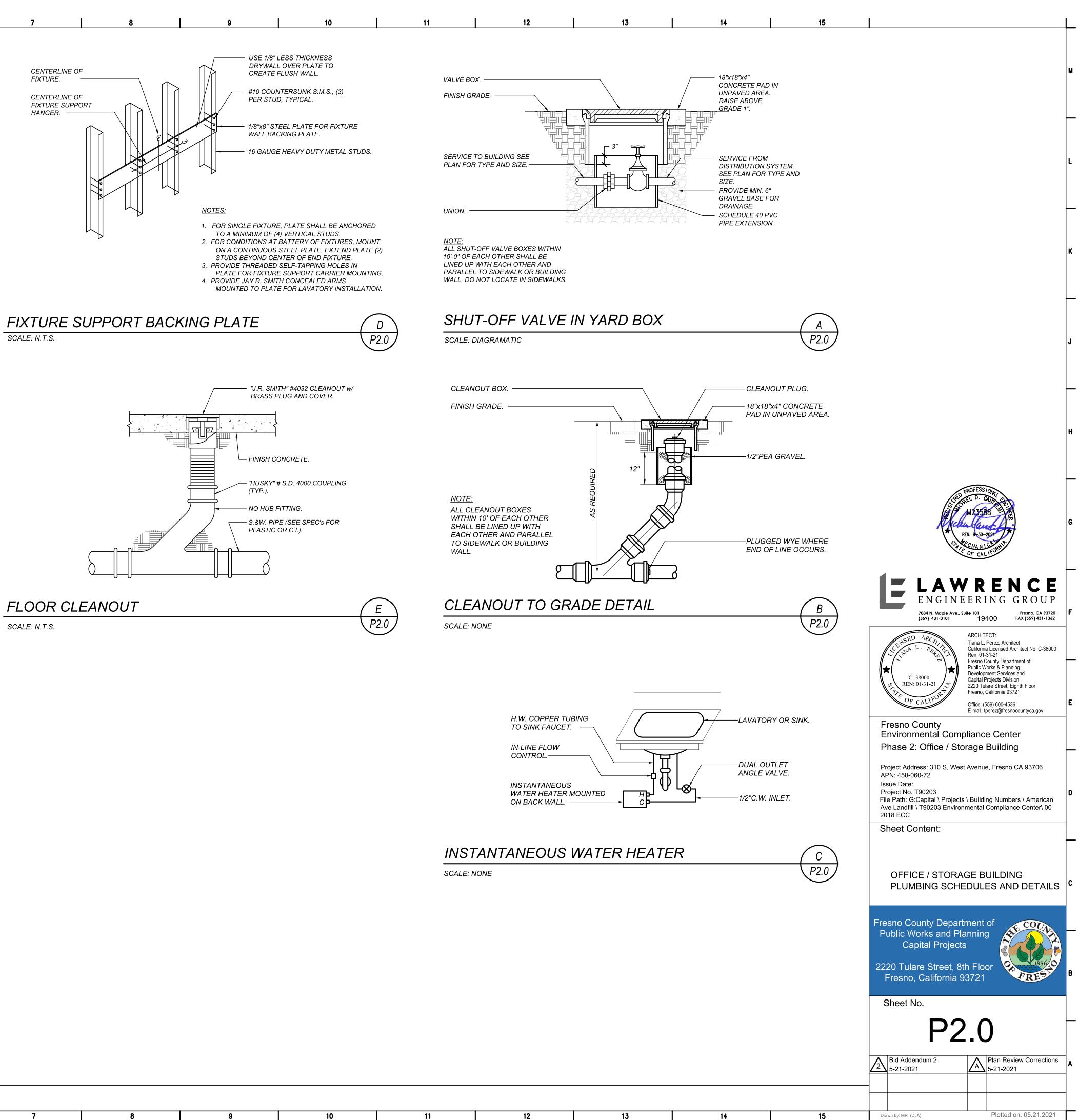
Sheet Content:

OFFICE / STORAGE BUILDING PLUMBING PLAN

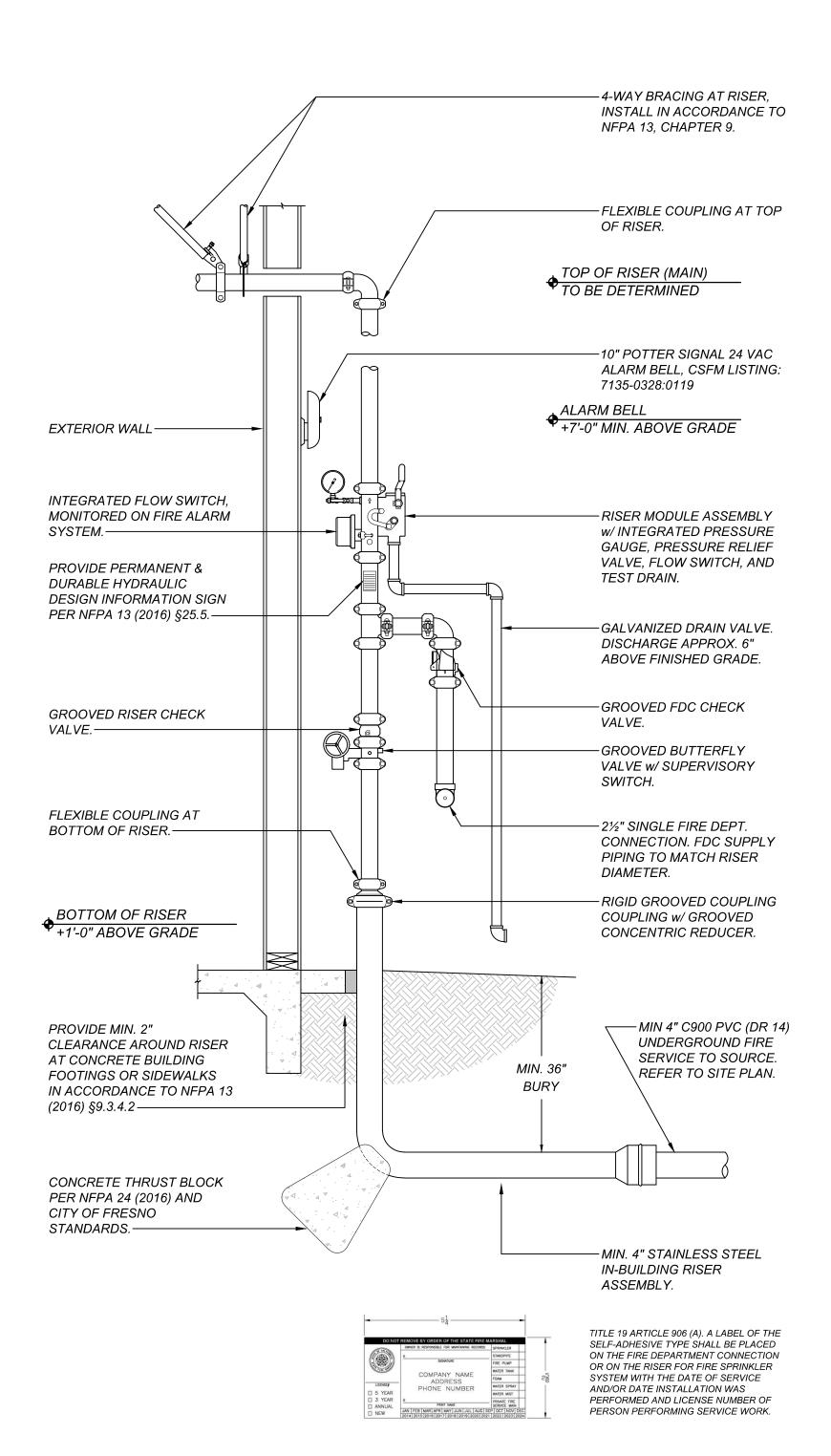


		PLL	IMBING FIX	TURE AND	EQUIPME	ENT SCHEDULE
MARK	FIXTURE		CONNECT	ION SIZES		DESCRIPTION
<u>WC-1</u>	WATER CLOSET	S or W 4"	V 2"	CW 1"	<i>HW</i>	KOHLER ELONGATED WALL HUNG "KINGSTON" #K-4325, (OR AMERICAN STANDARD OR ZURN EQUAL) 1.28 GPF, ZURN "AQUASENSE" #ZEMS6000AV-HET-IS SENSOR OPERATED, HARDWIRED 120V/19 ELECTRIC POWERED FLUSH VALVE WITH #P6000-HW6 HARD-WIRE POWER CONVERTER (UP TO 8 VALVES) & CONNECTING WIRE AS REQUIRED, OLSONITE #95CC/SS EXTRA HEAVY DUTY OPEN-ERONT SEAT AND JAY R. SMITH #41
<u>L-1</u>	LAVATORY	2"	1-1/2"	1/2"	1/2"	OPEN-FRONT SEAT AND JAY R. SMITH #41 SUPPORT CARRIER. KOHLER WALL-HUNG "KINGSTON" #K-2007 (OR AMERICAN STANDARD OR ZURN EQUAL) CBC ACCESS COMPLIANT, 21-1/4"X18", VIT. CHINA WITH ONE FAUCET HOLE AT CENTER, MCGUIRE #155A GRID DRAIN, CHICAGO "HYTRONIC" "ECAST" #116.121.AB.1 WITH 0.5 GPM NON-AERATING LAMINAR SPRAY OUTLET (OR T&S BRASS OR ZURN EQUAL) SENSON OPERATED, 120V/1Ø ELECTRIC POWERED FAUCET WITH EXTERNAL TEMP. MIXER LEVER AND 12 VOLT A.C. TRANSFORMER. JAY R. SMITH #723 CONCEALED ARMS, AND A STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL D/P-3. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. INSTALL AN ASSE 107 COMPLIANT THERMOSTATIC MIXING VALVE BELOW LAVATORY, LEONARD #170-LF-CP-BP-BRKT (OR EQUAL). SET OUTLET TEMPERATURE TO 110°F.
<u>WH-1</u>	INSTANTANEOUS WATER HEATER	-	-	1/4"	1/4"	CHRONOMITE #M-30L-120 WALL MOUNTED INSTANTANEOUS TYPE WITH MICRO-PROCESSOR SET FOR 110° F. FIXED OUTLET TEMPERATURE & 1/2 GPM FLOW RATE. ELECTRICAL REQURED: 3,60 WATTS, 120V/1Ø.
<u>SA-1</u>	SHOCK ABSORBER	-	-	1"	-	JAY R. SMITH #5010, (OR ZURN EQUAL) STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "B" FOR UP TO 32 FIXTURE UNITS INSTALL IN UPWARD POSITION.
<u>HB-1</u>	HOSE BIBB	-	-	3/4"	-	WOODFORD #B75 (OR MIFAB EQUAL) RECESSED WALL HOSE B0X WITH LOCKING DOOR, VACUUM BREAKER, LOOSE TEE KEY HANDLE, SCREWDRIVER STOP. SELF DRAINING CAST STAINLESS STEEL FOR NON-FREEZE AREAS.
<u>TL-1</u>	TANK LEVEL MONITORING SYSTEM	-	_	_	-	OMEGA #LVU503 ULTRASONIC LEVEL TRANSMITTER, 9.8' MEASUREMENT RANGE, 2" NPT SENSOR MOUNTING THREADS, SUPPLY VOLTAGE 14-28 VDC. OMEGA #DP25B-S-R DIGITAL PROGRAMMABLE PROCESS METER WITH LED DISPLAY, SUPPLY VOLTAGE 115V. PROVIDE PANEL AS REQUIRED.

#### PLUMBING SCHEDULES AND DETAILS A1 Scale: NONE



		1		2	 3	 4	 5	 6
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L								
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A		<u> </u>						
	A1	OFFI Scale: None 1	ICE/ST		ER DET		NCE C	6



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12

#### <u>RISER NOTES:</u>

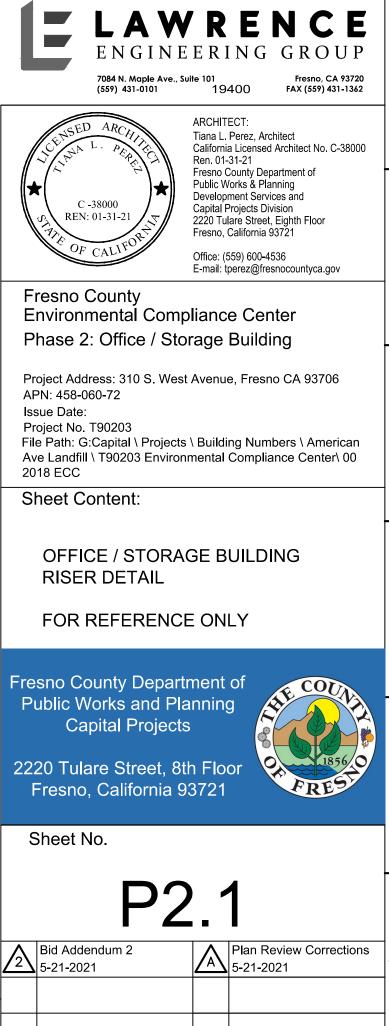
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- 1. EACH RISER DETAIL IS A SCHEMATIC REPRESENTATION OF THE RISER(S). ORIENTATION OF FITTINGS, VALVES, GAUGES, AND OTHER DEVICES HAVE BEEN MODIFIED FOR ILLUSTRATION PURPOSES AND MAY VARY IN ACTUAL INSTALLATION.
- 2. PER NFPA 13 (2016) §9.3.2.3.1 A FLEXIBLE COUPLING SHALL BE INSTALLED WITHIN 24" OF THE TOP AND BOTTOM OF ALL RISERS. RISERS LESS THAN 3 FT IN LENGTH MAY OMIT FLEX COUPLINGS. ONE FLEX COUPLING IS ADEQUATE FOR RISERS 3' TO 7' IN LENGTH.
- 3. PER NFPA 13 (2016) §9.3.5.8.3 WHEN A FOUR-WAY BRACE AT THE TOP OF A RISER IS ATTACHED ON THE HORIZONTAL PIPING, IT SHALL BE WITHIN 24" OF THE CENTERLINE OF THE RISER AND THE LOADS FOR THAT BRACE SHALL INCLUDE BOTH THE VERTICAL AND HORIZONTAL PIPE.
- 4. PER NFPA 13 (2016) §25.5. THE INSTALLING CONTRACTOR SHALL IDENTIFY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC SIGN SECURED WITH CORROSION RESISTANT WIRE, CHAIN, OR OTHER APPROVED MEANS.
- 5. PER NFPA 13 (2016) §25.6.1 THE INSTALLING CONTRACTOR SHALL PROVIDE A GENERAL INFORMATION SIGN USED TO DETERMINE SYSTEM DESIGN BASIS AND INFORMATION RELEVANT TO THE INSPECTION, TESTING, AND MAINTENANCE REQUIREMENTS REQUIRED BY NFPA 25.
- 6. LOCATION OF 1<sup>1</sup>/<sub>4</sub>" SYSTEM DRAIN TO BE COORDINATED WITH GENERAL CONTRACTOR. DRAIN PIPE AND FITTINGS SHALL BE GALV.
- 7. FIRE RISER ROOM SHALL COMPLY WITH CBC (2016) 901.3 PER CFC (2016) SECTION 509.1 FIRE EQUIPMENT ROOMS SHALL BE IDENTIFIED IN AN APPROVED MANNER. APPROVED SIGNS SHALL BE DURABLE, PERMANENT, AND VISIBLE.

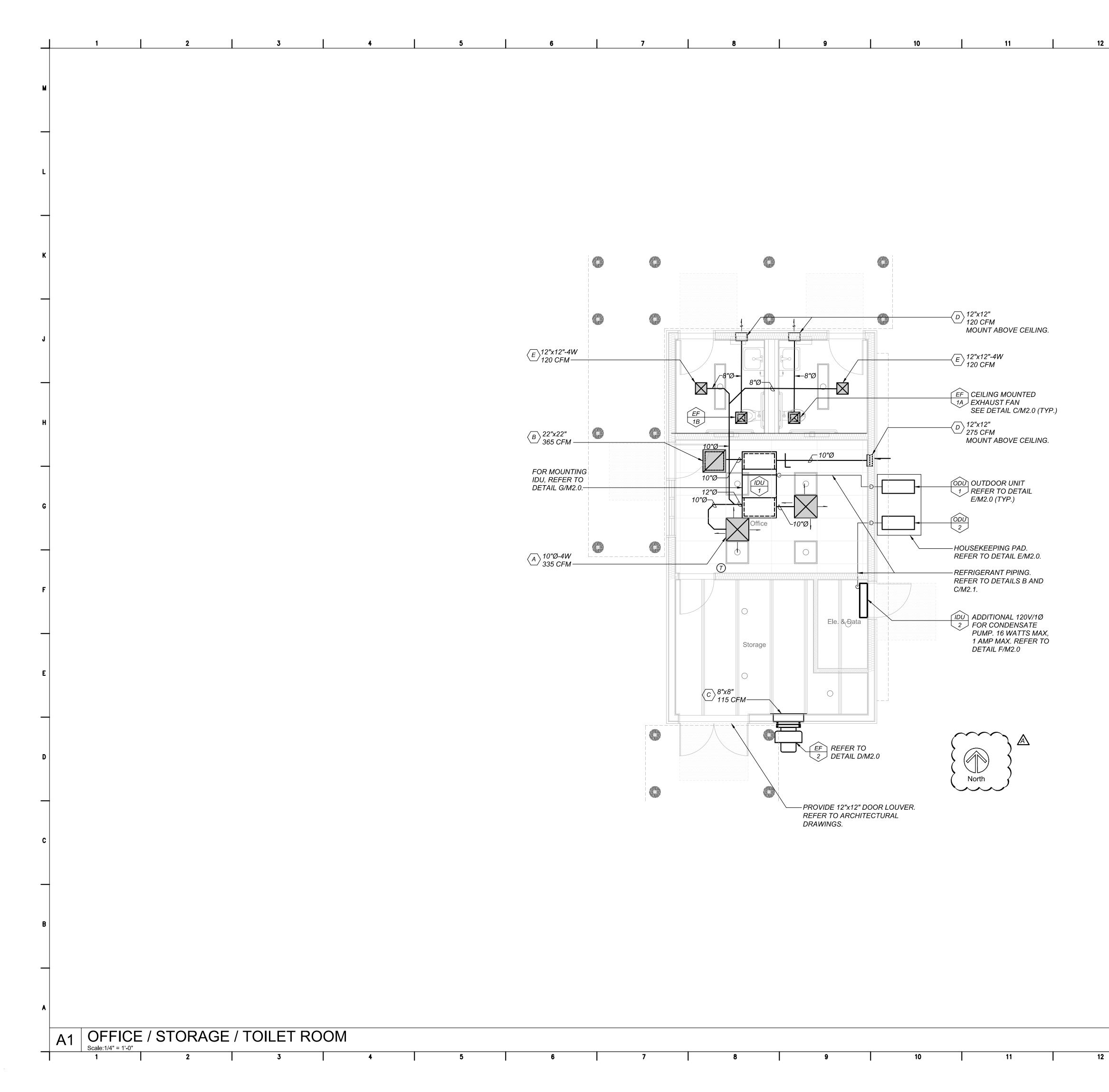




13 14

15

Drawn by: MR (DJA)



14

15

## GENERAL PROJECT NOTE:

- I. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
- 2. AS REQUIRED BY SECTION 7-125(B)92), PART 1, TITLE 24.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE BUILDING IN ACCORDANCE WITH TITLES 19 AND 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLES 19 AND 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY ARCHITECT BEFORE PROCEEDING WITH THE WORK.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT APPLICABLE CODES AND STANDARDS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

CBC CALIFORNIA BUILDING CODE CPC CALIFORNIA PLUMBING CODE CMC CALIFORNIA MECHANICAL CODE CEC CALIFORNIA ELECTRICAL CODE CFC CALIFORNIA FIRE CODE C.C.R. TITLE 19, CHAPTER 1 (CSFM) C.C.R. TITLE 24, PART 1, ADMIN. RÉGULATION, PART 2, CALIFORNIA BUILDING CODE, AND DSA/SSS UBCS UNIFORM BUILDING CODE STANDARDS



	CONDITIONING LEGEND	
SYMBOL	ITEM	ABBR
	ROUND DUCT	Ø
	FLAT OVAL DUCT	φ
	SHEET METAL DUCT	-
	ACOUSTIC LINING FOR	(1)
	DUCT OR GRILLES	(L)
	DUCT W/EXT INSULATION & GALV. SM SUNSHIELD	
	SUPPLY AIR DUCT DROP	1
	RETURN AIR DUCT DROP	-
	EXHAUST DUCT AIR DROP	
	SUPPLY AIR DUCT RISE	-
	RETURN AIR DUCT RISE	_
	EXHAUST AIR DUCT RISE	_
	TURNING VANES	TV
	EXTRACTOR	-
	VOLUME CONTROL DAMPER W/LOCKING QUADRANT	VCD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	VOLUME CONTROL DAMPER	VCR
<u>†    <b>¦</b> </u> ∤	W/ REMOTE REGULATOR	
 & ■	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
+++++++++++++++++++++++++++++++++++++++		FD
& 🔺	ACCESS PANEL	
<del>////////////////////////////////////</del>	SMOKE DAMPER WITH ACCESS PANEL	SD
	CUBIC FEET OF AIR	
CFM	PER MINUTE	CFM
M	EMS MOTORIZED	_
	DUCT DAMPER/PIPE	
$\bigcirc$	THERMOSTAT @ +4'-0" TOP OF BOX	T'STAT
$\oplus$	HUMIDISTAT @ +4'-0" TOP OF BOX	H'STAT
©	CO <sub>2</sub> SENSOR @ +4'-0"	CO <sub>2</sub>
		002
T		_
	SENSOR @ +4'-0" TOP OF BOX	
	EMS HUMIDITY SENSOR @	
Η	+4'-0" TOP OF BOX	_
	EMS CØ SENSOR @	
С	+4'-0" TOP OF BOX	со <sub>2</sub>
SP	EMS STATIC PRESSURE	SP
	SENSOR	
DP	EMS DIFFERENTIAL	DP
	PRESSURE SENSOR	
		CS
CS	EMS CURRENT SENSOR	
CS	EMS CURRENT SENSOR DIRECTION OF FLOW	-
<u>CS</u> → → →		– SA
<u>CS</u> → → →	DIRECTION OF FLOW	SA RA
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR	RA
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR	RA EA
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR	RA
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN	RA EA
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN PIPE/DUCT TURN UP	RA EA OSA —
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN PIPE/DUCT TURN UP POINT OF CONNECTION	RA EA OSA — POC
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN PIPE/DUCT TURN UP POINT OF CONNECTION EXISTING (DESIGNATED)	RA EA OSA —
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN PIPE/DUCT TURN UP POINT OF CONNECTION	RA EA OSA – POC
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN PIPE/DUCT TURN UP POINT OF CONNECTION EXISTING (DESIGNATED)	RA EA OSA – POC (E)
	DIRECTION OF FLOW SUPPLY AIR RETURN AIR EXHAUST AIR OUTSIDE AIR PIPE/DUCT TURN DOWN PIPE/DUCT TURN UP POINT OF CONNECTION EXISTING (DESIGNATED) NEW (DESIGNATED)	RA EA OSA – POC (E) (N)

2

- 3

1

EXHAUST FAN SCHEDUL	E	
DESIGNATION	EF 1A - EF 1B	EF 2
CFM	120	115
ESP (IN WC)	0.5	0.5
HP/WATTS	-/39	1/15 / -
VOLTS/PHASE	115/1	115/1
RPM	842	1711
TIP SPEED/SONES	-/3.0	3.639 / 5.1
DRIVE	DIRECT	DIRECT
MOUNTING	CEILING	WALL
MANUFACTURER	GREENHECK	GREENHECK
TYPE	CEILING	
MODEL NUMBER	SP-80-VG	CUE-070-VG
CONTROL		tun
SERVICE	SEE PLANS	SEE PLANS
OPER. WT. (LBS)	30	90
ACCESSORIES	1	2

6

4

3

(1) INTERLOCK WITH <u>IDU-1</u>, PROVIDE AN ADJUSTABLE TIME-DELAY RELAY, SET AT 15 MINS. (2) WALL BRACKET, ELECTRICAL DISCONNECT, BACKDRAFT DAMPER, BIRD SCREEN

INE	DOOR UNIT SCHEDULE		
DE	SIGNATION		
	CFM	910	380
	ESP (IN WC)	0.64	-
	MIN OSA	275	-
BLOWER	HP/MCA	1	1)/1.2
IO I	VOLTS/PHASE	1 208/230 / 1	1 208/230 / 1
В	DRIVE	DIRECT	DIRECT
	SENSIBLE (MBH)	21.89	9.77
NG	TOTAL (MBH)	26.19	11.49
SOOLING	EADB/EAWB ( F) <sup>0</sup>	80 / 67	
ပ္ပ	REFRIGERANT	R410A	R410A
(1)	CAPACITY (MBH)	37.15	13.86
NI		-	-
HEATING		-	-
Т			
ŝ	QUANTITY/SIZE	1 / 12"x24"4"	-
ER	TYPE	MERV 13	WASHABLE
FILTERS	PD (IN WC)	0.15	-
MA	NUFACTURER	CARRIER	CARRIER
ΤY	PE	CONCEALED	HIGH WALL
МС	DEL NUMBER	40MBDQ36	40MAQB12B
SE	RVICE	OFFICE	DATA
OP	PER WT (LBS)	140	
AC	CESSORIES	34	32

(1) UNIT POWERED BY OUTDOOR UNIT

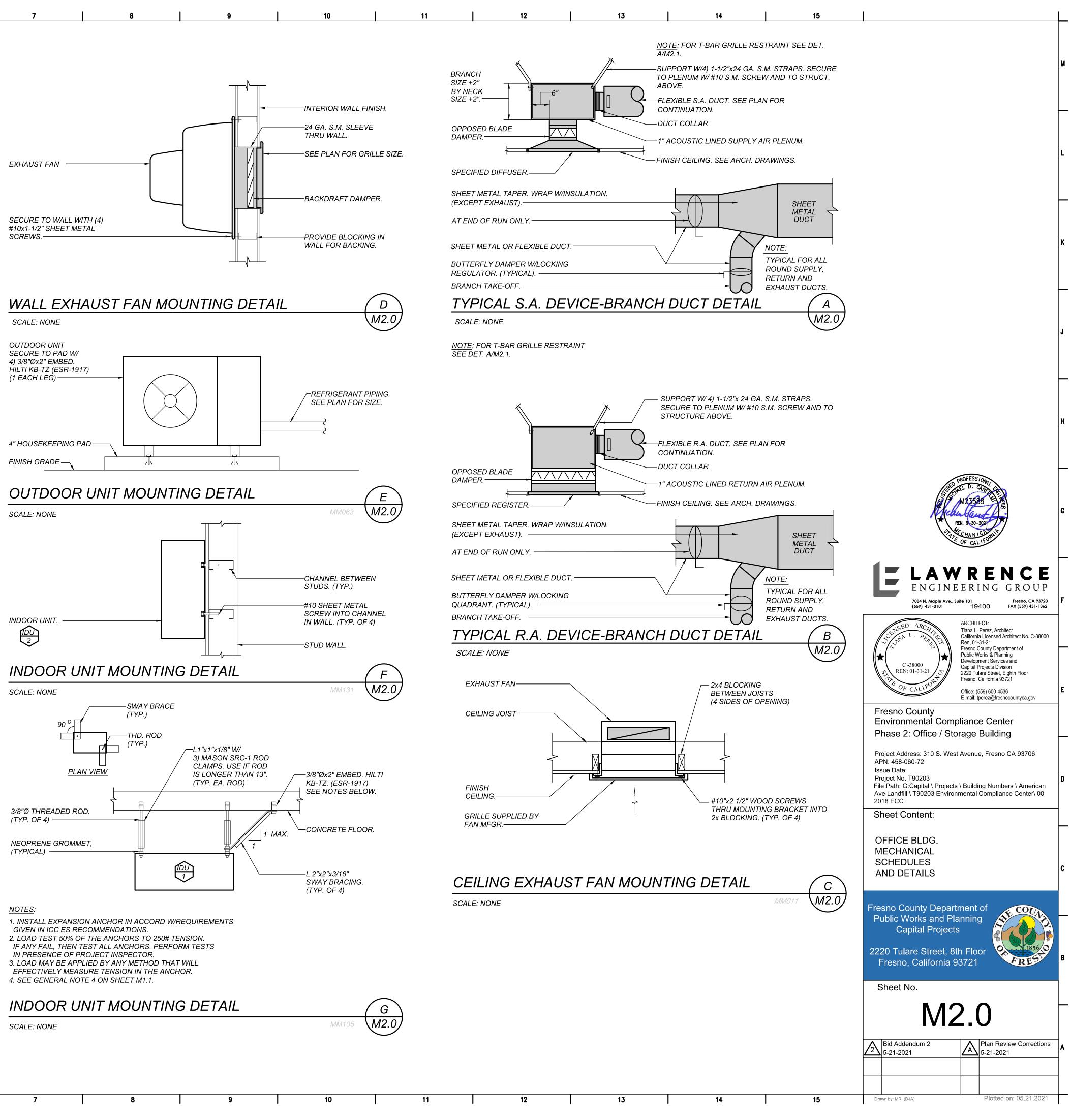
(2) GOBI # 4678538 CONDENSATE PUMP, 115V/1PH/16W MAX

(3) INTEGRAL OVERFLOW CUT-OFF SWITCH

(4) MERV 13 FILTER BOX, FIELD TRANSITION FROM BOX TO UNIT.

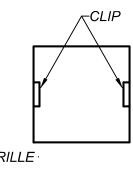
OUTDOOR UNIT SCHEDUL	E	
DESIGNATION		2
MCA/MOCP	30 / 50	9/15
VOLTS/PHASE	208/230 / 1	208/230 / 1
SEER/COP AT ARI	16.5 / 11.5	22.5 / 12
COOLING CAP (MBH)	26.19	11.49
HEATING CAP (MBH)	37.15	13.86
AMBIENT (°F)	105	105
REFRIGERANT	R410A	R410A
MANUFACTURER	CARRIER	CARRIER
TYPE	HEAT PUMP	HEAT PUMP
MODEL NUMBER	38MBRQ36A	38MAQB12R3
SERVICE	OFFICE	OFFICE
OPER WT (LBS)	140	140
ACCESSORIES		

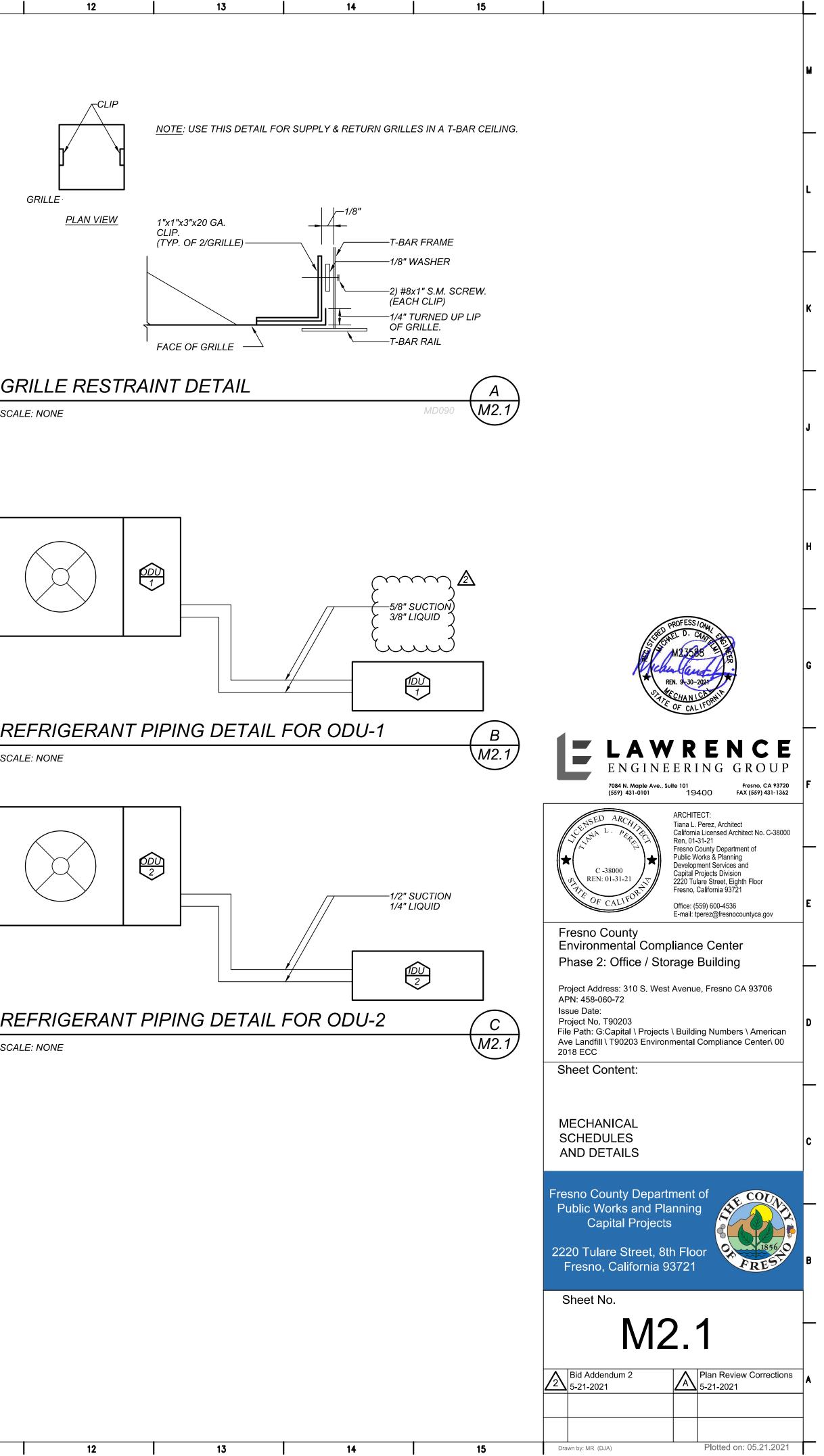
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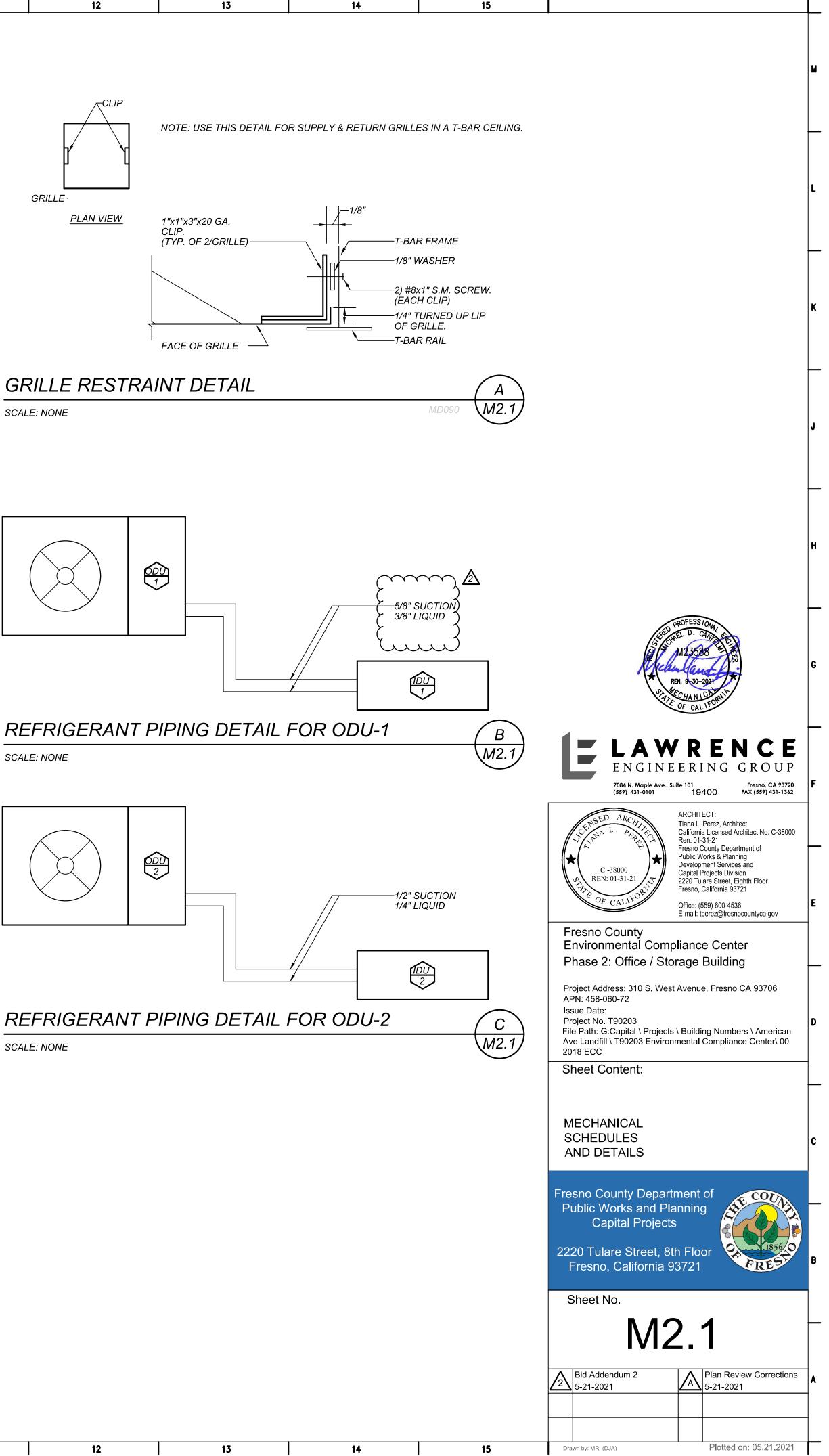


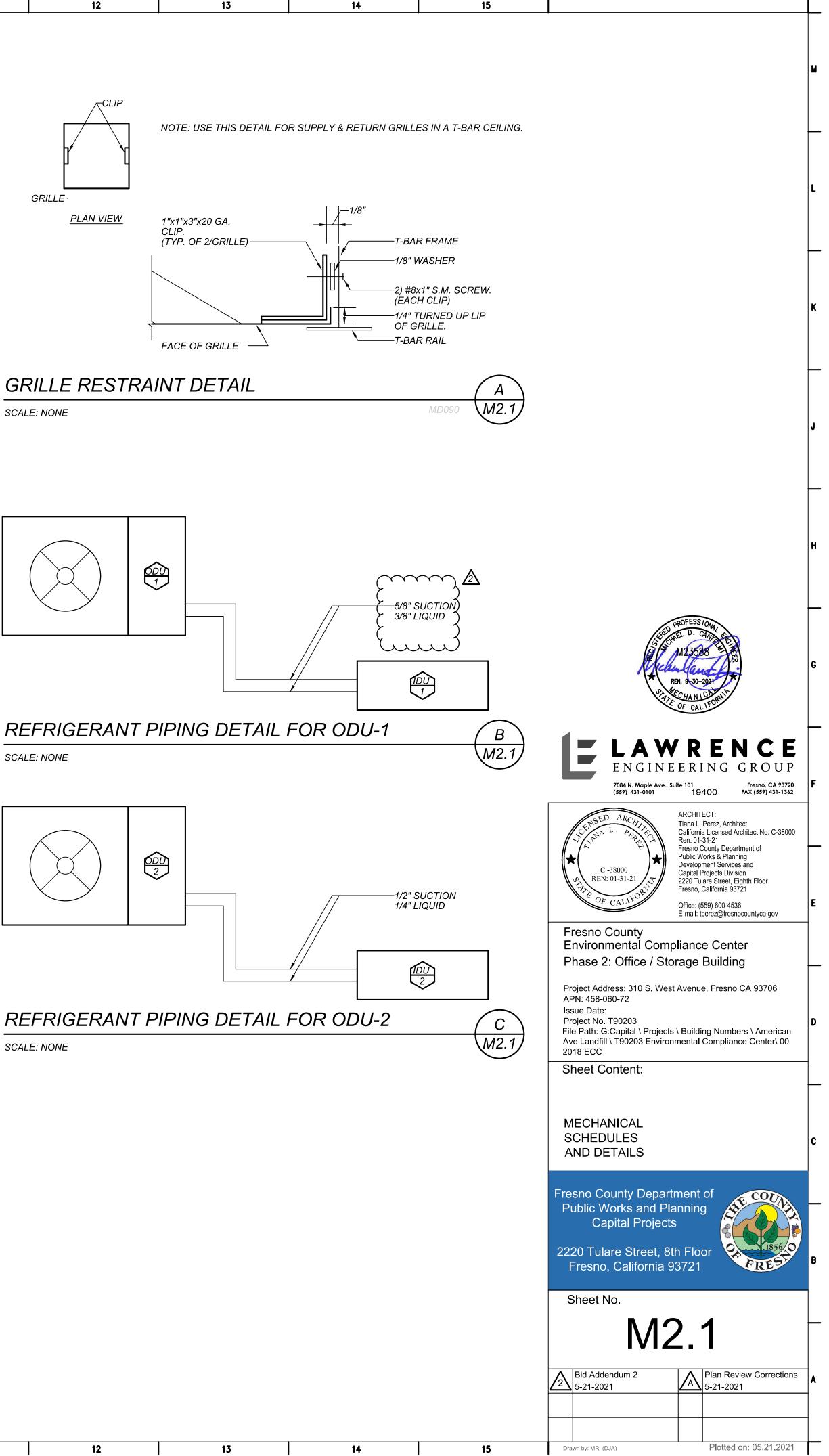
		1		2		3		4		5		6		7	
M															
	-														
													MARK	DUTY	
L													A	CEILING SUPPLY	/
	-												В	CEILING RETURN	v
К													Ċ	WALL EXHAUST	. ,
	-													LOUVER	:
J													E	CEILING SUPPLY	
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		1	1	2		3		4		5	1	6	1	7	1

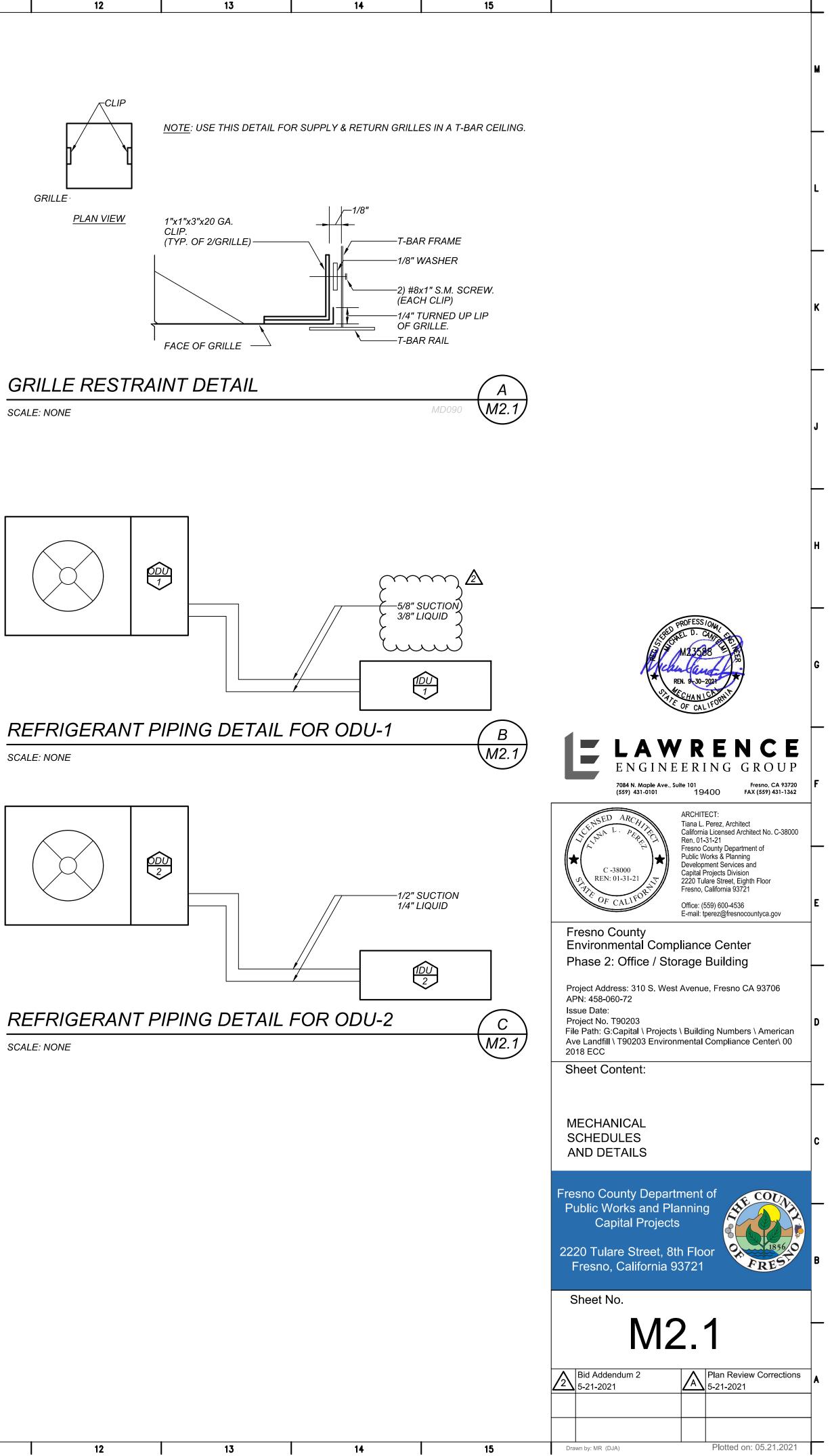
		GRILLE SCHEDULE
MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TITUS TDC (TYPE 3) FULL LOUVER FACE ROUND OR RECTANGULAR NECK DIFFUSER FOR STD. LAY-IN CEILING WITH NO. 26 WHITE FINISH. (18"x18" NECK, ADAPTER SIZE SHOWN)
B	CEILING RETURN	TITUS CORE 50F (TYPE 3) ALUMINUM EGG CRATE REGISTER WITH 1/2"x1/2" GRID FOR STD. LAY-IN CEILING WITH NO. 26 WHITE FINISH.
©	WALL EXHAUST	TITUS MODEL 350RL STEEL RETURN GRILLE WITH 35° DEFLECTION BLADES AT 3/4" SPACING AND NO. 26 WHITE FINISH.
D	LOUVER	RUSKIN L811 20 GAUGE GALVANIZED SHEET METAL LOUVER WITH 1/2" MESH SCREEN ON INSIDE FACE. PRIME FOR PAINT.
E	CEILING SUPPLY	TITUS TDC (TYPE 1) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR SURFACE MOUNTING WITH NO. 26 WHITE FINISH.











	1		2			3			4			5		6			7
		·		-									-		-		
														-   -			
M		Project Name: Project Address:	Fresno Count 310 S. West A		ntal Compliance 93657	e Center			NRCC-PRF-01-E Calculation Date/1	Page 3 of : Time: 09:37, Fri,	14 Jun 12, 2020				Project Name: Project Address:		ounty Environment est Avenue Fresno
		Input File Name:	Fresno Enviro	nmental Com	pliance _V8_ (	06.11.2020	0.cibd19x							Ē	Input File Name:	Fresno En	vironmental Com
		E. HERS VERIFICATI	ON											-	C1. COMPLIANCE RE	SULTS FOR I	PERFORMANCE
		This Section Does Not	t Apply														
		F. ADDITIONAL REM	MARKS												Space Heating	Energy	Component
		This Section Does Not	t Apply												Space Cooling Indoor Fans		
L		G. ENVELOPE GENE	RAL INFORMATI			2			3			4			Heat Rejection		
		Opaque Surfa	aces & Orientation	1	Total Gro		e Area (ft²)		Total Fenestrat			4 Window to Wall	Ratio (%)		Pumps & Misc. Domestic Hot Water		
				-Facing <sup>1</sup> :-Facing <sup>2</sup>				183 ft <sup>2</sup> 210 ft <sup>2</sup>			0 ft <sup>2</sup> 51 ft <sup>2</sup>		00.0% 24.3%		Indoor Lighting		
				-Facing <sup>3</sup>				0 ft <sup>2</sup>			0 ft <sup>2</sup>		00.0%				
			West	t-Facing⁴ Total				337 ft <sup>2</sup> 730 ft <sup>2</sup>			0 ft <sup>2</sup> 51 ft <sup>2</sup>		00.0% 07.0%		<sup>1</sup> Notes: The number		
		Roof		lotar				375 ft <sup>2</sup>			0 ft <sup>2</sup>		00.0%		<b>C2. RESULTS FOR 'AI</b>		
		Notes: <sup>1</sup> North-Facing is or	iented to within 4	15 degrees o	of true north,	including	a 45°00'00"	' east of north (	NE), but excludir	ng 45°00'00" wes	t of north (N	IW).					Energy Compone
ĸ		<sup>2</sup> East-Facing is oriel <sup>3</sup> South-Facing is ori	iented to within 4	15 degrees o	of true south,	including	45°00'00"	' west of south	(SW), but exclud	ing 45°00'00" ea	st of south (S			- I F	Receptacle Process		
		<sup>4</sup> West-Facing is orie	ented to within 4	5 degrees of	<sup>f</sup> true west, in	ncluding 4	45°00'00" n	orth of due we	st (NW), but exc	luding 45°00'00"	south of we	st (SW).			Other Ltg		
															Process Motors COMPLIANCE TOTAL P	LUS MISCELL/	ANEOUS COMPO
$\neg$														1	<sup>1</sup> Notes: This table is	used to docเ	ıment complian
															D. EXCEPTIONAL CO		
															This project includes p occupying.	artial perform	ance compliance
J														r	This project uses the S requirements are met.	mplified Geor	metry Performand E COMPLIANCE do
														Ľ	required.		
		CA Building Energy Eff	iciencv Standards-	2019 Nonresi	idential Compl	liance	Repo	rt Version: NRCC	-PRF-01-E-042820	20-6206	Repo	rt Generated at: 2020	0-06-12 09:37:38	c	CA Building Energy Effic	ciency Standar	rds- 2019 Nonresi
_		er bunning Energy En					nepe				nepe						
		Project Name:	Fresno Count	y Environmen	ntal Compliance	e Center			NRCC-PRF-01-E	Page 6 of	14				Project Name:	Fresno Co	ounty Environment
н		Project Address: Input File Name:	310 S. West A Fresno Enviro			06.11.2020	0 cibd19x		Calculation Date/1	Time: 09:37, Fri,	Jun 12, 2020				Project Address: Input File Name:		est Avenue Fresno Ivironmental Com
		K1. Dry System Equ						I							I. ENVELOPE DETAIL		
				s, an nanun					nfo included belov	v in Table N)					11. OPAQUE SURFACE		
		1	2		3	4		5 Hea	6	7		8 Cooling	9 10		1		
		Equipment Name	Equipmer	it Type	Qty Tota			upp Heat Source	Supp Heat Out	put Efficienc		tal Cooling Ff	ficiency Status		Surface N	lame	Surfa
		IDU 2	SZHP (C	RAC)	1	<b>(kBtu/h</b> 14	י <u>ו</u>	(Y/N) No	(kBtuh) 0	HSPF-12.			R-22.50 / N		Slab On Gr	ade16	Underg
G		<sup>1</sup> Status: N - New, A – Altered							Ů	1011 12.		EE	R-10.00	1	Status: N - New, A – Altered,	E – Existing	I
		K2. ECONOMIZER &	& FAN SYSTEMS		§140.4 <sup>1</sup>										12. OVERHANG DET		
		1	2 System Type	3 Design OA	4	5	6 Jpply Fan	7	8	9 Return	10 Fan	11	12 13		This Section Does Not		
		Name or Item Tag	packaged, DOAS,	Design OA CFM	CFM	BHP	Watts	Control	СҒМ		/atts		nomizer Type ಟ್ (if present) ಟ್ರ್		13. OPAQUE DOOR S		
		IDU 1	etc. SZHP	31	910	0.344	299.8	ConstantVolur	ne NA		NA		DEconomizer N		A	- Assembly Nam	າຍ
		IDU 2 <sup>1</sup> Status: N - New, A – Altered	SZHP	6	380	0.100	87.2	ConstantVolur	ne NA	NA	NA	NA N	oEconomizer N	L		Metal Door21	L
														Г	J. CRRC ROOFING PF		MMARY \$140.3
F		K3. EXHAUST FAN S			2			3	4	5	6		7		This Section Does Not		
		System			Zone Nan						Notor Watts		ressure (in H20)	ן ק	K. HVAC SYSTEM SU	MMARY §11	i0.1 & §110.2
		Restroon			2-Restroor			2	120	0.045	39.0	1	.54		K1. Dry System Equi	pment (furr	aces, air handli
-		K4. Wet System Equ	uipment (boilers	, chillers, co 2	oling towers	s, etc.) 4	5		6	7	8	9 10	11 12				
		Name or Item	n Tag Eq	uipment Typ	e Qty	Vol (gal)	Rated Ca (kBtu		fficiency	Standby Loss		Pumps	SD (Y/N)		1	<u> </u>	2
		<sup>1</sup> Status: N - New, A – Altere	d, E – Existing				(KBtu)	,,,,,			Qty G	PM HP V	SD (Y/N) ទ <u>្</u>		Equipment Name	Equipr	ment Type
E															IDU 1	SZHP (S	Split3Phase)
																<u> </u>	
		CA Building Energy Eff	iciency Standards-	2019 Nonresi	idential Compl	liance	Repo	ort Version: NRCC	-PRF-01-E-042820	20-6206	Repo	rt Generated at: 2020	0-06-12 09:37:38	с	CA Building Energy Effic	iency Standar	ds- 2019 Nonresi
_																	
		Project Name: Project Address:	Fresno Count 310 S. West A	•	•	e Center			NRCC-PRF-01-E Calculation Date/1	Page 8 of : Time: 09:37, Fri,	14 Jun 12, 2020				Project Name: Project Address:		ounty Environmen est Avenue Fresno
D		Input File Name:	Fresno Enviro	nmental Com	pliance _V8_ (	06.11.2020	0.cibd19x							Ē	Input File Name:	Fresno En	vironmental Com
		K8. ZONAL SYSTEM		. UNIT SUMI						_					K5. SYSTEM FEATUR	ES §120.2	
		1	2		3		5 d Capacity	6	Airflow	7 (cfm)	8	9 10 Fai	11 12		1 System Name		2 Optimum Start
_		System ID	Zone Nan	ne Sy	ystem Type	(k Heating	kBtuh) g Cooling	g Design		Min.	Min.	BHP Watts	Cycles ECM		-,		
		2-Restrooms-Trm	2-Restroor	ms U	ncontrolled	NA	NA	358		NA	Ratio 0.00	NA NA	NA D		IDU 1		No Optimum Sta
		1-Office-Trm	1-Office		ncontrolled	NA	NA	553		NA	0.00	NA NA	NA 🗆		IDU 2		No Optimum Sta
c		3-Data-Trm	3-Data		ncontrolled	NA	NA	380		NA	0.00	NA NA	NA		Water Heater(s)1 -	SHW	NA
		K9. EVAPORATIVE (		IRY											Notes: This table includes con		
		L. DOMESTIC/SERV		SVSTEM SI											K6. MECHANICAL VI	INTILATION	AND REHEAT §1
				5151214150							_				Zone Na		
		L1. DHW EQUIPME	NT SUMMARY	5	3	4	5	6	7	8	9	10	11		Zone Na	me	Ventila
		DHW Name	Heater Element	Tank			Tank Vol	Rated Input	Efficiency	Tank Insulation R-value	Standby L	oss Heat Pump	Tank Location		1-Offic 2-Restro		Office - Exhaust -
в			Туре	ant	// -	1	(gal)	(kBtu/h)		(Int/Ext)	Fraction	n Type	Condition	[	3-Data		Misc
-		WH 1 - Chronomite M 30L 12	Electricity	Instant	aneous	2	1.00	3.6 (kW)	UEF: 0.95	NA	SBLF: N	A NA	NA	ן ק	K7. DISTRIBUTION S	UMMARY §	120.4/140.4(I)
		L2. MULTI-FAMILY	CENTRAL DHW S	YSTEM DET	AILS										This Section Does Not	Apply	
		This Section Does Not	t Apply												Multifamily or Hotel/I	Votel Occupa	ncy? (if "Yes", see
		L3. SOLAR HOT WA		IMMARY											Does the Project inclu		
		This Section Does Not															
A		M. COVERED PROC		3140.9													
1																	
		CA Building Energy Eff	iciency Standards-	2019 Nonresi	idential Compl	liance	Repo	ort Version: NRCC	-PRF-01-E-042820	20-6206	Repo	rt Generated at: 2020	0-06-12 09:37:38	с	CA Building Energy Effic	iency Standar	rds- 2019 Nonresi
		-			-												
$\dashv$	1	1	2	1		3			4			5	1	6			7

	7	8		9		10		11		1	2
		-	•						•		•
Project Name:	Fresno County Environmental Cor	mpliance Center	NRCC-PRF-01-E Page 2 of 14				Proje	ect Name:	Fresno County Environmental Compliand		tal Compliance Center
Project Addres	s: 310 S. West Avenue Fresno 93657	7	Calculation Date	/Time: 09:37	7, Fri, Jun 12, 2020		Proje	ect Address:	310 S. West Avenue Fresno 93657		93657
Input File Nam	e: Fresno Environmental Compliance	e _V8_ 06.11.2020.cibd19x				Inpu	it File Name:	Fresno Envi	ronmental Com	pliance _V8_ 06.11.202	
C1. COMPLIA	NCE RESULTS FOR PERFORMANCE COM	PONENTS (Annual TDV Energy Use, kBt	u/ft ²-yr)				A. G	ENERAL INFORMAT	ION		
		COMPLI					1.	Project Location (city	y)		Fresno
		· -	-				2.	CA Zip Code		9	93657
	Energy Component	Standard Design		Proposed I	Design (TDV)	Compliance Margin (TDV) <sup>1</sup>	3.	Climate Zone		:	13
Space Heating			6.40		17.00	-10.60	4.	Total Conditioned Fl	oor Area in	Scope 3	375 ft <sup>2</sup>
Space Cooling			226.75		250.73	-23.98	5.	Total Unconditioned	Floor Area	(	) ft²
Indoor Fans			310.53	310.53 23		74.42	6.	Total # of Stories (Ha	abitable Abo	ove Grade)	L
Heat Rejection							7.	Total # of dwelling u	nits		)
Pumps & Misc.										l	
Domestic Hot \	Nater		23.69		19.31	4.38	B. P	ROJECT SUMMARY			
Indoor Lighting	3		40.32		40.32		Tabl	e Instructions: Table B	shows whic	h building com	oonents are included in
ENERGY S	NERGY STANDARDS COMPLIANCE TOTAL		607.69		563.47	44.22 (7.3%)	pern	nit application.		-	
<sup>1</sup> Notes: The r	number in parenthesis following the Com	pliance Margin in column 4. represents	the Percent Bette	er than Stando	ard.						ts Complying via Perfo
										Performance	Covered Process: Co
C2. RESULTS	SULTS FOR 'ABOVE CODE' QUALIFICATIONS <sup>1</sup>									Not Included	Kitchens
□ This project	is pursuing CalGreen Tier 1		This project is pursuing CalGreen Tier 2								
										Performance	

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Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) <sup>1</sup>						
Receptacle	87.62	87.62							
Process	395.64	395.64	-						
Other Ltg			-						
Process Motors									
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	1,090.95	1,046.73	44.2 (4.1%)						
<sup>1</sup> Notes: This table is used to document compliance with programs OTH	ER THAN Title 24 Part 6, if applicabl	е.							

D. EXCEPTIONAL CONDITIONS
This project includes partial performance compliance scope options. The building must show compliance with all other applicable compliance scope options (performance or prescriptively) before occupying.
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.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-04282020-6206

Project Name:	Fresno County	Environmental Compliance C	Center	NRCC-P	PRF-01-E	Page 5 o	Page 5 of 14						
Project Address:	Calculat	tion Date/Tim	e: 09:37, Fr	i, Jun 12, 2020	)								
Input File Name:	Fresno Environ	mental Compliance _V8_ 06.											
I. ENVELOPE DETAILS §	\$120.7 & §140.	3											
11. OPAQUE SURFACE ASSEMBLY SUMMARY													
1		2	3		4	5	6	7	8	9			
Surface Nar	ne	Surface Type	Description of Assembly Laye	ers	Area (ft <sup>2</sup> )	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / F-Factor / C-Factor	Status <sup>1</sup>			
Slab On Grad	e16	UndergroundFloor	rade ne	375	NA	0	NA	F-Factor: 0.730	N				
<sup>1</sup> Status: N - New, A – Altered, E –	Existing	•	•	·				•	•	-			

#### 12. OVERHANG DETAILS

This Section Does Not Apply		
I3. OPAQUE DOOR SUMMARY		
1	2	3
Assembly Name	Overall U-factor	Status <sup>1</sup>
Metal Door21	0.700	Ν

#### J. CRRC ROOFING PRODUCT SUMMARY S140.3

This Section Does Not A	is Section Does Not Apply													
K. HVAC SYSTEM SUI	MMARY §110.1 & §110.2													
K. HVAC STSTEM SO	MMART 3110.1 G 3110.2													
K1. Dry System Equip	1. Dry System Equipment (furnaces, air handling units, heat pumps, VRF, etc.)													
	Dry System Equipment <sup>1</sup> (Fan & Economizer info included below in Table N)													
1	2	3	4	5	6	7	8	9	10					
				Heat	ng		Cooli	ng	St					
Equipment Name	quipment Name Equipment Type Qty Total Heating Output Supp Heat Source Supp Heat Output (kBtuh) Efficiency Total Cooling Output (kBtu/h) Efficiency Output (kBtu/h) Efficiency													
IDU 1	SZHP (Split3Phase)	1	39	No	0	HSPF-11.50	25	SEER-16.50 / EER-9.00	N					

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-04282020-6206 Report Generated at: 2020-06-12 09:37:38

Project Name:	Fresno County	/ Environmental Co	mpliance Ce	nter	NRCC-PRF-01	-E	Page 7 of 14							
Project Address:	310 S. West A	venue Fresno 9365	7			Calculation D	ate/Time:	09:37, F	ri, Jun 12, 202	20				
Input File Name:	Fresno Enviro	nmental Complianc	e_V8_06.1	1.2020.cibd19x										
K5. SYSTEM FEATURES	<b>6120 2</b>													
1	3120.2	2		3	4		5			6				
		2	Window	nterlocks per		+					0			
System Name	0	ofimum Start I		40.4(n)	Evaporati	ve Cooling	н	eat Reco	very	Other Con		ontrols		
IDU 1	Optimum Start		NA	No Evapora	ative Cooler No Heat		Heat Red	covery		No DCV Controls, No DDC No Economizer No Supply Air Temp. Control				
IDU 2	No	Optimum Start		NA	No Evapora	ative Cooler	No	No Heat Recovery		No DCV Controls, No No Economizer No Supply Air Temp. C		omizer		
Water Heater(s)1 - SH	w	NA		NA	Ν	IA		NA			Fixed Temperature Control, No DDC			
Notes: This table includes control	s related to the perj	formance path only. For p	projects using th	e prescriptive path, i	mandatory and prese	criptive controls requ	uirements are d	ocumented	on the NRCC-MCH	I-E.				
K6. MECHANICAL VEN	TILATION ANI	D REHEAT §120.1												
1		2		3	4	5	6		7		8		9	
					Mecha	nical Ventilatio	n				L		Occupant	
Zone Name	9	Ventilation Function		# hotel rooms	# of people	# of bedrooms	Supply O	A CFM	Exhaust C	FM	Conditioned Area (sf)	Sensor	Controls, Both	
1-Office		Office - Offic	e space	0	2.04	0	31		0		204	1	IA	
2-Restroom	s	Exhaust - Toile	ts, public	0	1.32	0	0		240		132	1	IA	
3-Data		Misc - All o	thers	0	0.06	0	6		0		39	1	IA	
				•								<u> </u>		
<b>K7. DISTRIBUTION SUM</b>	MMARY §120	.4/140.4(I)												
This Section Does Not Ap	ply													
-														
Multifamily or Hotel/Mo	tel Occupancy	? (if "Yes", see DON	IESTIC/SERV	/ICE HOT WATER	R SYSTEM SUMN	/IARY )							No	
	- 14 -	-												
Does the Project include	Zonal Systems	?										$\_\_$	No	
	,											l		

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Project Name:	Fresno Coun	ty Environmental Compliance Center		NRCC-PRF-01-E	Page 4 of 14				
Project Address:	310 S. West	Avenue Fresno 93657		Calculation Date/Time:	09:37, Fri, Jun 12, 202	20			
Input File Name:	Fresno Envir	onmental Compliance _V8_ 06.11.2020.	cibd19x						
H. FENESTRATION	ASSEMBLY SUM	MARY §110.6							
1.		2.	3.	4.	5.	6.	7.	8.	9
Fenestration Assem or I.D		Fenestration Type / Product Type / Frame Type	Certification Method- I Assembly Method		od Area ft <sup>2</sup>	Overall U-factor	Overall SHGC	Overall VT	orarus
Glass 1		VerticalFenestration FixedWindow N/A	NFRC Rated	SiteBuilt	36	0.36	0.25	0.42	•
Door Glass		VerticalFenestration FixedWindow N/A	NFRC Rated	SiteBuilt	15	1.10	0.83	1.00	,

13

ered Process: Computer Rooms

vered Process: Laboratory Exhaust

Not Included

Performance

Performanc

Not Included

Performance

Not Included

Not Included

## <sup>2</sup> Status: N - New, A – Altered, E – Existing

lechanical

omestic Hot Water

Lighting (Indoor Conditioned)

Solar Thermal Water Heating

I. ENVELOPE DETAILS §120.7 & §140.	.3							
11. OPAQUE SURFACE ASSEMBLY SUMMA	ARY							
1	2	3	4	5	6	7	8	9
Surface Name	Surface Type	Description of Assembly Layers	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / F-Factor / C-Factor	Status <sup>1</sup>
Roof 1 - 2x12 R308	Roof	Metal Standing Seam - 1/16 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Ceiling - 3/4 in. Metal framed roof, 16in. OC, 11.25in., R-30 Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	375	Metal	30	NA	U-Factor: 0.063	N
Wall 1 - 2x4 R11 + R1.510	ExteriorWall	Metal Siding - 1/16 in. Vapor permeable felt - 1/8 in. Cellular polyisocyanurate (unfaced) - 1/4 in. R1.5 Air - Cavity - Wall Roof Ceiling - 4 in. or more Metal framed wall, 16in. OC, 3.5in., R-11 Gypsum Board - 5/8 in.	730	Metal	11	1	U-Factor: 0.147	N

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13

Center		NRCC-PRF-01-E		Page 1 of 14			
		Calculation Date/T	ïme:	09:37, Fri, Jun 12, 2020			
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	_						
					Consellor of 2010		
	8.				Compliance2019		
	9.	Compliance Softwa	are (ve	rsion)	EnergyPro 8.1		
	10	. Weather File			FRESNO_723890_CZ2010.epw		
	11	Building Orientatio	on (deg	()	(N) 0 deg		
	12	Permitted Scope of	cope of Work		NewEnvelopeAndMechanical		
	13	Building Type(s)	e(s) Nonresidential				
	14	Gas Type			NaturalGas		
ded in the performance cal	culati	on. If indicated as not	includ	ed, the projec	t must show compliance prescriptively if within		
Performance				Building C	omponents Complying Prescriptively		
I		Performance The for	The following building components are ONLY eligible for prescriptive				
ess: Commercial	ין בי				e documented on the NRCC form listed if within the		

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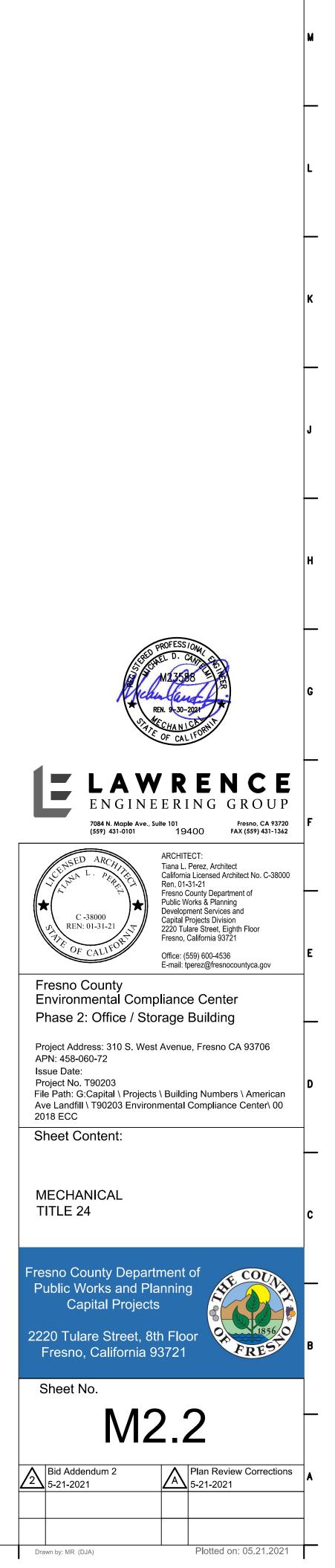
15

	Not Included	NRCC-PRF-E).	n not be snown on the
	Performance	Indoor Lighting (Unconditioned)§140.6	NRCC-LTI -E is required
$\boxtimes$	Not Included	Outdoor Lighting §140.7	NRCC-LTO-E is required
	Performance	Sign Lighting §140.8	NRCC -LTS-E is required
	Not Included	Mandatory Measures	
		Electrical power systems, commissioning and solar mandatory and should be documented on the NRC (i.e. compliance will not be shown on the NRCC-PR	CC form listed if applicable
		Electrical Power Distribution S110.11	NRCC-ELC-E is required
		Commissioning S120.8	NRCC-CXR-E is required
		Solar Ready S110.10	NRCC-SRA-E is required

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	<form></form>		Input File Name: Fresno Environmental Com		V8_06	11.2020.cibd19x	Calculation Date/Time: 09:	:37, Fri, Jun 12, 2020		
<form></form>	<form></form>	considered much much provides to the Multidia functional diagonal diagona diagonal diagonal diagona diagonal diagonal diagon	P. DECLARATION OF REQUIRED CERTIFICATES O	ACCEPT	TANCE		l l			
Number of the second	Abbiele Company       Ye       No       Image: Book of the Company o	Number Compound       No       Number Compound       Number Compou	compliance. These documents must be provided	to the bu	uilding	inspector during constru	ction and must be completed thro	ough an Acceptance Test Technician Ce	ertification	
Address and any other water of the Cale Mark 20 Strategy of the Cale Mar	Adding fungation       Image       Image <td>Address       Market Model Products       Market Model Products</td> <td>Provider (ATTCP). For more information visit:http</td> <td>os://www</td> <td>v.ener</td> <td>gy.ca.gov/title24/2019stc</td> <td>indards/2019_compliance_docum</td> <td>nents/Nonresidential_Documents/NR</td> <td>Fi</td> <td></td>	Address       Market Model Products	Provider (ATTCP). For more information visit:http	os://www	v.ener	gy.ca.gov/title24/2019stc	indards/2019_compliance_docum	nents/Nonresidential_Documents/NR	Fi	
Energies       Image: Note: A second se	Image: Second of Second Sec	Energies       Image: Note: A second se	Building Component	YES	NO		Form/Title			
Or Aurice Stream       Image: Stream of Auronaux Image S	CA unideg usery (Fiberes standards 2019 Novealishtal Consister       Image: Nove Nove Nove Nove Nove Nove Nove Nove	Or Auriley Research 2019 Monorable Trans Langel Auriley Controls       Image: Control Process       <	Envelope							
Incons (gling)       Image: Info. 4 Conside Regression (Lattice Casters)       Image: Casters)         Image: Conside Regression (Lattice Caster Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)         Image: Conside Regression (Lattice Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)         Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Casters)       Image: Ca	Index Lighting       Image: Section 24: A. Dones of Bacochael Space (Section 2)         Image: Section 24: S	Incode (gring)       Image: 15 Add. Some Research Update Content:       Image			⊠	NRCA-LTI-02-A - Occupancy	Sensors and Automatic Time Switch	Controls		
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Documentation Author Name: Creighnet Whaley       Signature:       Just Willing         Address: 7004 North Maple Aver, Suite 101       Signature Date: 2020-06-12         City/State/Zip: Freso C 499720       CEA/ HERS Certification Identification (If applicable):         Phone: (559) 431-0101       EXAMPLE FRESON'S DECLARATION STATEMENT         I reinformation provided on this Certificate of Compliance is true and correct.       1. The information provided on this Certificate of Compliance (responsible designer)         3 of Tile 4, Series and the Source of the Source of the source responsibility for the building design or system design identified on this Certificate of Compliance contorm to the requirement of the Galinos of the Source of the galance.         of Tile 4, Series and the Source of the Source are consistent with the information provided on the certificate of Compliance contorm to the requirement of the Galinos of the Source of the galance.         1. The building design features or system design identified on this Certificate of Compliance are consistent with the information provided on the certificate of Compliance are consistent with the information provided to the building design or system design identified on the applicable impectation.         1. The building design features or system design identified on this Certificate of Compliance are consistent with the information provided to the building design or system design identified on the certificate of Compliance are consistent with the information provided to the building design or system design identified on the certificate of Compliance are consistent with the information.         1. Will ensure that a completed signed core of t	Documentation Author Name: Creighont: Whaley         Signature:         Just With the second s	Documentation Author Name: Creighnet Whaley       Signature:       Just Willing         Address: 7004 North Maple Aver, Suite 101       Signature Date: 2020-06-12         City/State/Zip: Freso C 499720       CEA/ HERS Certification Identification (If applicable):         Phone: (559) 431-0101       EXAMPLE FRESON'S DECLARATION STATEMENT         I reinformation provided on this Certificate of Compliance is true and correct.       1. The information provided on this Certificate of Compliance (responsible designer)         3 of Tile 4, Series and the Source of the Source of the source responsibility for the building design or system design identified on this Certificate of Compliance contorm to the requirement of the Galinos of the Source of the galance.         of Tile 4, Series and the Source of the Source are consistent with the information provided on the certificate of Compliance contorm to the requirement of the Galinos of the Source of the galance.         1. The building design features or system design identified on this Certificate of Compliance are consistent with the information provided on the certificate of Compliance are consistent with the information provided to the building design or system design identified on the applicable impectation.         1. The building design features or system design identified on this Certificate of Compliance are consistent with the information provided to the building design or system design identified on the certificate of Compliance are consistent with the information provided to the building design or system design identified on the certificate of Compliance are consistent with the information.         1. Will ensure that a completed signed core of t				plete.				
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The information provided on this Certificate of Compliance is true and correct.       Iam eligible under Division 3 of the Subines and Perforsions Cole to accept responsibility for the building design or system design identified on this Certificate of Compliance conform to the requirem of Tite 24, Part 1 and Tark of the Compliance and the compliance accorrestication, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirem of Tite 24, Part 1 and Tark of the Compliance accorrestication.         4. 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Lunderstand that a completed sign of any 1 the instrument of Public Works and Planning         Gompany: Fresno County Department of Public Works and Planning       Signature: NOT IN SCOPE	Address: 7084 North Maple Ave., Suite 101       Signature Date: 2020-06-12         Chy/State/Zip: Fresno CA 93720       CEA/ HERS Certification identification (if applicable):         Phone: [559] 431-0101       CEA/ HERS Certification identification (if applicable):         Phone: [559] A31-0101       CEA/ HERS Certification identification (if applicable):         Phone: [559] A31-0101       CEA/ HERS Certification identification (if applicable):         Image: [algebrander Division oprovided on this Certificate of Compilance is true and correct.       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Phone: (559) 431-0101         RESPONSIBLE PERSON'S DECLARATION STATEMENT         I certify the following under pendry of perjum; under the laws of the State of California: <ul> <li>The information provided on this Certificate of Compliance is thre and correet.</li> <li>I an 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 designer)</li> <li>The energy features and performance specifications, materials, components, and manufactured devices for the building design design den this Certificate of Compliance and annufactured devices for the building design densign identified on this Certificate of Compliance and manufactured devices for the building design densign identified on this Certificate of Compliance and annufactured devices for the building design densign in the rest of the Compliance and annufactured devices for the building design densign identified on this Certificate of Compliance and the made valiable to the enforcement agency for all applicable.         S. will best that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building permits jusc and available to the enforcement agency for all applicable inspections.         Responsible Envelope Designer Name: Tiana L Perez       Signature:         Company: Fresno CA 93721       Title:         Phone: (S59) 600-4477       Title:         Responsible Lighting Designer Name:       Signature: NOT IN SCOPE         Company:       Company:         Address:       Canonappited signed copy</li></ul>	Phone: (559) 431-0101         RESPONSIBLE PERSON'S DECLARATION STATEMENT         I certify the following under penoty of pertury, under the lows of the State of California:         1. The Information provided on this Certificate of Compliance is true and correct.         2.1 Am eligible under Division 3 of the Boards and Professions Cole 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 and the Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications system design identified on this Certificate of Compliance are used and allow this the building permit splication.         5.1 will mark that a completed signed copy of this Certificate of Compliance is required to be included with the building permit splication.         6.1 will mark that a completed signed copy of this Certificate of Compliance is required to be included with the building permit splication.         7.1 will mark that a completed signed copy of this Certificate of Compliance is required to be included with the building permit splication.         8.1 will mark 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:	Phone: (559) 431-0101         RESPONSIBLE PERSON'S DECLARATION STATEMENT         I certify the following under pendry of perjum; under the laws of the State of California: <ul> <li>The information provided on this Certificate of Compliance is thre and correet.</li> <li>I an 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 designer)</li> <li>The energy features and performance specifications, materials, components, and manufactured devices for the building design design den this Certificate of Compliance and annufactured devices for the building design densign identified on this Certificate of Compliance and manufactured devices for the building design densign identified on this Certificate of Compliance and annufactured devices for the building design densign in the rest of the Compliance and annufactured devices for the building design densign identified on this Certificate of Compliance and the made valiable to the enforcement agency for all applicable.         S. will best that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building permits jusc and available to the enforcement agency for all applicable inspections.         Responsible Envelope Designer Name: Tiana L Perez       Signature:         Company: Fresno CA 93721       Title:         Phone: (S59) 600-4477       Title:         Responsible Lighting Designer Name:       Signature: NOT IN SCOPE         Company:       Company:         Address:       Canonappited signed copy</li></ul>						<i>,</i>		
RESPONSIBLE PERSON'S DECLARATION STATEMENT         I certify the following under penalty of perjury, under the lows of the State of California:         1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance are consistent with the information provided on this Certificate of Compliance accords the building design or system design 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 all applicable inspections. Understand that a completed signed copy of this Certificate of Compliance are required to be included with the building permit(s) issued for the building owner at occupancy.         Responsible Envelope Designer Name: Tiana L. Perez       Signature:         Company: Fresho County Department of Public Works and Planning       Signature:         Address: 220 Tulare Street, Eighth Floor       Date Signed:         City/State/Zip: Fresho County Department of Public Works and Planning       Signature: NOT IN SCOPE         Company:       Fresho County Department of Public Works and Planning       License #: C-38000         Responsible Lighting Designer Name:       Signature: NOT IN SCOPE       Company:         Company:       Company:       Signature:       City/State/Zip: Free Counce #: C-38000<	RESPONSIBLE PERSON'S DECLARATION STATEMENT         I certify the following under penalty of perjury, under the lows of the State of California:         1. The information provided on this Certificate of Compliance is true and correct.         2. I an eligible under Subines 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 edsign or system design identified on this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available compliance documents, worksheets, calculations, plans and specifications is diverted signed coy of this Certificate of Compliance is required to be included with the documentation the building permit(s) issued for the building, and made available compliance documents, worksheets, calculations, plans and specification the soliding permit(s) issued for the building, and made available compliance documents, worksheets, calculations, plans and specification that a completed signed coy of this Certificate of Compliance is required to be included with the documentation the building permit(s) issued for the building, and made available compliance documents, worksheets, calculations, plans and performance agency for all applicable inspections. Understand that a completed signed coy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy.         Responsible Envelope Designer Name: Tiana L. Perez         Company: Freisno County Department of Public Works and Planning      <	RESPONSIBLE PERSON'S DECLARATION STATEMENT         I certify the following under penalty of perjury, under the lows of the State of California:         1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance are consistent with the information provided on this Certificate of Compliance accords the building design or system design 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 all applicable inspections. Understand that a completed signed copy of this Certificate of Compliance are required to be included with the building permit(s) issued for the building owner at occupancy.         Responsible Envelope Designer Name: Tiana L. Perez       Signature:         Company: Fresho County Department of Public Works and Planning       Signature:         Address: 220 Tulare Street, Eighth Floor       Date Signed:         City/State/Zip: Fresho County Department of Public Works and Planning       Signature: NOT IN SCOPE         Company:       Fresho County Department of Public Works and Planning       License #: C-38000         Responsible Lighting Designer Name:       Signature: NOT IN SCOPE       Company:         Company:       Company:       Signature:       City/State/Zip: Free Counce #: C-38000<				c	EA/ HERS Certification Identification	(if applicable):		
1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance are responsibility for the building design or system design identified on this Certificate of Compliance conform to the requirement of the 2A, Part 1 and Part 6 of the California Code of Beginations.         4. The building design features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, pains and specifications submitted to the enforcement approvement application.         5. I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the building permitty [issued for the building, and made available to the enforcement approvement of Public Works and Planning         Address: 2220 Tulare Street, Eighth Floor       Date Signed:         Company: Fresno Courty Department of Public Works and Planning       Date Signed:         Address: 2220 Tulare Street, Eighth Floor       Date Signed:         Chry/State/Zip: Fresno CA 93721       Signature:         Phone: (S59) 600-4477       Title:       License #: C-38000         Responsible Lighting Designer Name: Michael D. Cantelmi, P.E.       Signature: NOT IN SCOPE       Company:         Address:       Date Signed:       License #:       C-38000         Responsible Mechanical Designer Name: Michael D. Cantelmi, P.E.       Signature:	1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance spectresponsibility for the building design or system design identified on this Certificate of Compliance conform to the requirem of Title 24, Par1 and Part 6 of the California Code of Regnancy identified on this Certificate of Compliance accuments, worksheets, calculations, pains and specifications submitted to the enforcement agency for approach with this building permit application.         9. The building design features or system design features identified on this Certificate of Compliance set are completed signed cony of this Certificate of Compliance is required to be included with the documentation the building, and made available to the enforcement agency for all applicable inspections. Lunderstand that a completed signed copy of this Certificate of Compliance is required to be included with the building the documentation the building owner at occupancy.         Responsible Envelope Designer Name: Tana L. Perez       Signature:         Company: Fresno Courty Department of Public Works and Planning       Date Signed:         Address: 2220 Tulare Street, Eighth Floor       Date Signed:         Chr/y/State/Zip: Fresno CA 93721       Title:         Phone: (S59) 600-4477       Date Signed:         Address:       Date Signed:         Chr/y/State/Zip:       Signature: NOT IN SCOPE         Company:       Address:       Date Signed:         Chr/y/State/Zip:       Tesno Courty Department of Public Contelmin, P.E.       Signature:	1. The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance are responsibility for the building design or system design identified on this Certificate of Compliance conform to the requirement of the 2A, Part 1 and Part 6 of the California Code of Beginations.         4. The building design features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, pains and specifications submitted to the enforcement approvement application.         5. I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the building permitty [issued for the building, and made available to the enforcement approvement of Public Works and Planning         Address: 2220 Tulare Street, Eighth Floor       Date Signed:         Company: Fresno Courty Department of Public Works and Planning       Date Signed:         Address: 2220 Tulare Street, Eighth Floor       Date Signed:         Chry/State/Zip: Fresno CA 93721       Signature:         Phone: (S59) 600-4477       Title:       License #: C-38000         Responsible Lighting Designer Name: Michael D. Cantelmi, P.E.       Signature: NOT IN SCOPE       Company:         Address:       Date Signed:       License #:       C-38000         Responsible Mechanical Designer Name: Michael D. Cantelmi, P.E.       Signature:		ENT						_
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Project Name: Fresno County Enviro Project Address: 310 S. West Avenue F	Inmental Compliance Center     NRCC-PRF-01-E     Page 10 of 14       Fresno 93657     Calculation Date/Time:     09:37, Fri, Jun 12, 2020	Project Name: Fresno County Environm Project Address: 310 S. West Avenue Fres		M
	Il Compliance _V8_ 06.11.2020.cibd19x		ompliance_V8_06.11.2020.cibd19x	
O. DECLARATION OF REQUIRED CERTIFICA	TES OF INSTALLATION	N. INDOOR LIGHTING SUMMARY §140.6		
	e by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for ined and provided to the building inspector during construction and can be found online at:	This Section Does Not Apply		
	andards/2019_compliance_documents/Nonresidential_Documents/NRCI/			
Building Component	YES NO Form/Title Field Inspector			
Envelope	Image: Participan set in the system         Image: Participan set in the system			
Mechanical	Image: NRCI-MCH-01-E - Must be submitted for all buildings       Image: Im			
	Image: NRCI-PLB-01-E - Must be submitted for all buildings       Image: Im			
Plumbing	□       NRCI-PLB-03-E - Must be submitted for high-rise residential and hotel/motel single dwelling unit hot water system distribution systems to be recognized for compliance       □       □         □       ☑       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       □         □       ☑       NRCI-STH-01-E - Must be submitted for solar hot water heating systems       □       □			
	□ 🛛 NRCI-LTI-01-E - Must be submitted for all buildings			K
	Image: NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System       Image: Im			
Indoor Lighting	Image: 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       Image: 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       □       □			
Covered Process	□       □       NRCI-LI I-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance       □       □         □       □       □       □       □       □         □       □       □       □       □       □			
				L L
CA Building Energy Efficiency Standards- 2019 No	onresidential Compliance Report Version: NRCC-PRF-01-E-04282020-6206 Report Generated at: 2020-06-12 09:37:38	CA Building Energy Efficiency Standards- 2019 Nonro	esidential Compliance Report Version: NRCC-PRF-01-E-04282020-6206 Report Generated at: 2020-06-1	12 09:37:38
	Immental Compliance Center     NRCC-PRF-01-E     Page 13 of 14	Project Name: Fresno County Environm		
Project Address: 310 S. West Avenue F Input File Name: Fresno Environmenta	Fresno 93657         Calculation Date/Time:         09:37, Fri, Jun 12, 2020           Il Compliance _V8_ 06.11.2020.cibd19x	Project Address: 310 S. West Avenue Fres Input File Name: Fresno Environmental Co	Sino 93657         Calculation Date/Time:         09:37, Fri, Jun 12, 2020           ompliance _V8_06.11.2020.cibd19x	H
Q. DECLARATION OF REQUIRED CERTIFICA		P. DECLARATION OF REQUIRED CERTIFICATES	OF ACCEPTANCE	
	e by Documentation Author to indicate which Certificates of Verification must be submitted for the features to be recognized for ined and provided to the building inspector during construction and can be found online at:		y Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recogniz ed to the building inspector during construction and must be completed through an Acceptance Test Technician Certific	
https://www.energy.ca.gov/title24/2019st	andards/2019_compliance_documents/Nonresidential_Documents/NRCV/	Provider (ATTCP). For more information visit:h	ttps://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/	
Building Component	YES NO Form/Title Field Inspector	Building Component	YES NO Form/Title	Field Inspector
	Image: Participation         Participation         Participation         Fail           Image: Image		NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be	Pass Fail M23588
Mechanical	Image: NRCV-MCH-24-H Enclosure Air Leakage		Image: Provide the second system         Image: Provide the seco	G G
	□       ☑       NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation       □       □         □       ☑       NRCV-MCH-32-H Local Mechanical Exhaust       □       □		Image: NRCA-MCH-03-A Constant Volume Single Zone HVAC         Image: NRCA-MCH-04(a)-H Air Distribution Duct Leakage - HERS Verification required	REN. 9-30-2021
Plumbing	□       X       NRCV-PLB-21-H - HERS verified central systems in high-rise residential, hotel/motel application       □       □         □       X       NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application       □       □		Image: NRCA-MCH-04(b)-A Air Distribution Duct Leakage - ATT only	OF CALIFOR
			NRCA-MCH-05-A Air Economizer Controls           NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required	
R. UNMET LOAD HOURS This Section Does Not Apply			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	
· · · ·			INRCA-MCH-07-A Supply Fan Variable Flow Controls	
		Mechanical	□       ⊠       NRCA-MCH-08-A Valve Leakage Test         □       ⊠       NRCA-MCH-09-A Supply Water Temperature Reset Controls	7084 N. Maple Ave., Suite 101         Fresno, CA 93720         F
			Image: NRCA-MCH-10-A Hydronic System Variable Flow Controls         Image: NRCA-MCH-11-A Automatic Demand Shed Controls	(559) 431-0101 19400 FAX (559) 431-1362
			Image: NRCA-MCH-12-A FDD for Packaged Direct Expansion Units	ARCHITECT:
			Image: Second system       NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance         Image: Second system       NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance	California Licensed Architect No. C-38000 Ren. 01-31-21 Fresno County Department of
			Image: NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance	Public Works & Planning
			□       ☑       NRCA-MCH-16-A Supply Air Temperature Reset Controls         □       ☑       NRCA-MCH-17-A Condenser Water Temperature Reset Controls	Capital Projects Division REN: 01-31-21 2220 Tulare Street, Eighth Floor
			NRCA-MCH-18 Energy Management Control Systems	Image: Problem         Image: Problem         Fresho, California 93721           Image: Problem         OF CALIFOR         Office: (559) 600-4536         E
			Image: NRCA-MCH-19 Occupancy Sensor Controls	U     U     Office: (559) 600-4536       E-mail: tperez@fresnocountyca.gov
				Fresno County
CA Building Energy Efficiency Standards- 2019 No	onresidential Compliance Report Version: NRCC-PRF-01-E-04282020-6206 Report Generated at: 2020-06-12 09:37:38	CA Building Energy Efficiency Standards- 2019 Nonro	esidential Compliance Report Version: NRCC-PRF-01-E-04282020-6206 Report Generated at: 2020-06-1	
				Phase 2: Office / Storage Building
				Project Address: 310 S. West Avenue, Fresno CA 93706
				APN: 458-060-72 Issue Date:
				Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ American
				Ave Landfill \ T90203 Environmental Compliance Center\ 00 2018 ECC
				Sheet Content:
				MECHANICAL

TITLE 24

Drawn by: MR (DJA)

Fresno County Department of Public Works and Planning Capital Projects

2220 Tulare Street, 8th Floor Fresno, California 93721

Sheet No. M2.3 Bid Addendum 2 5-21-2021
A Plan Review Corrections 5-21-2021
A

FRE

Plotted on: 05.21.2021

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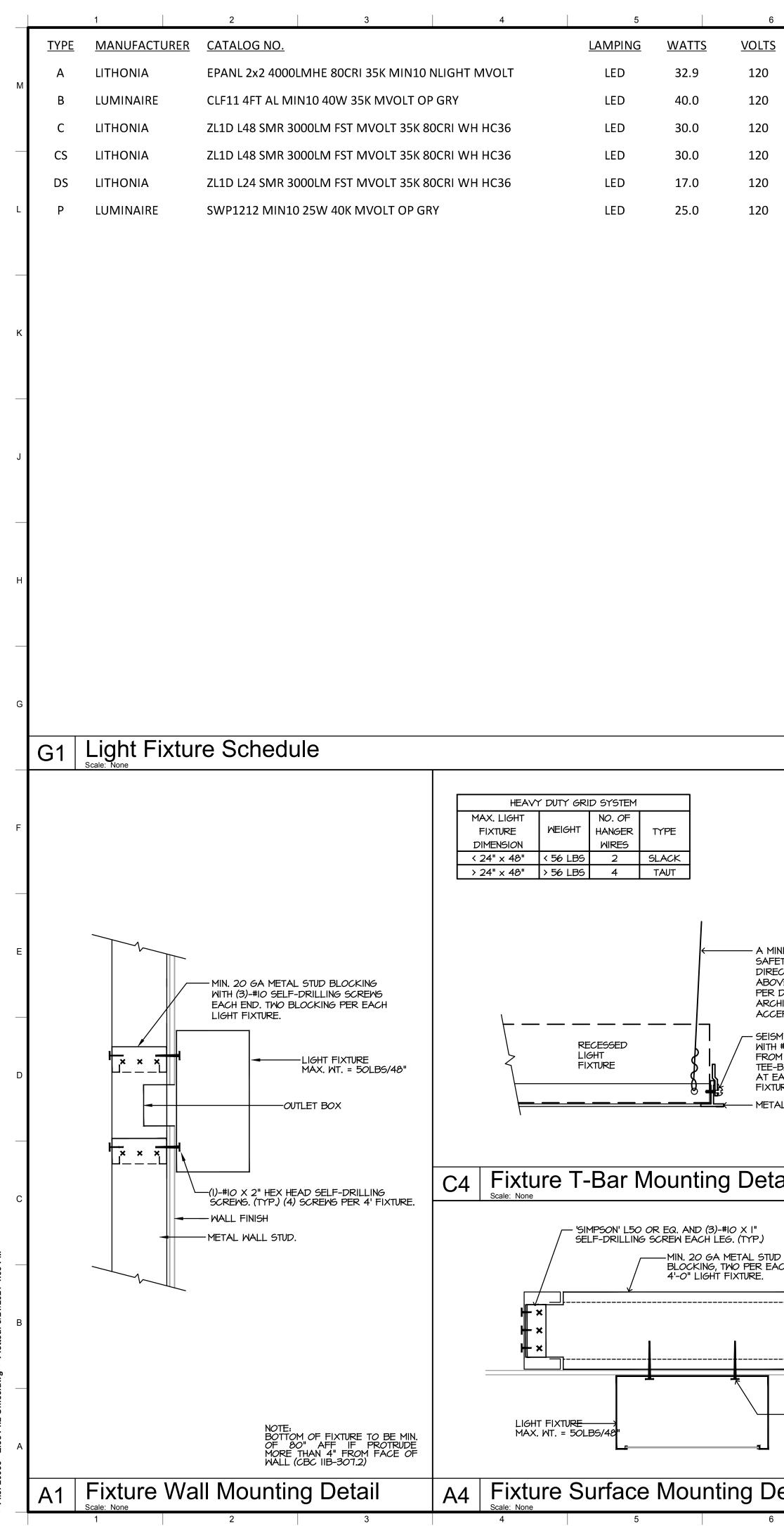
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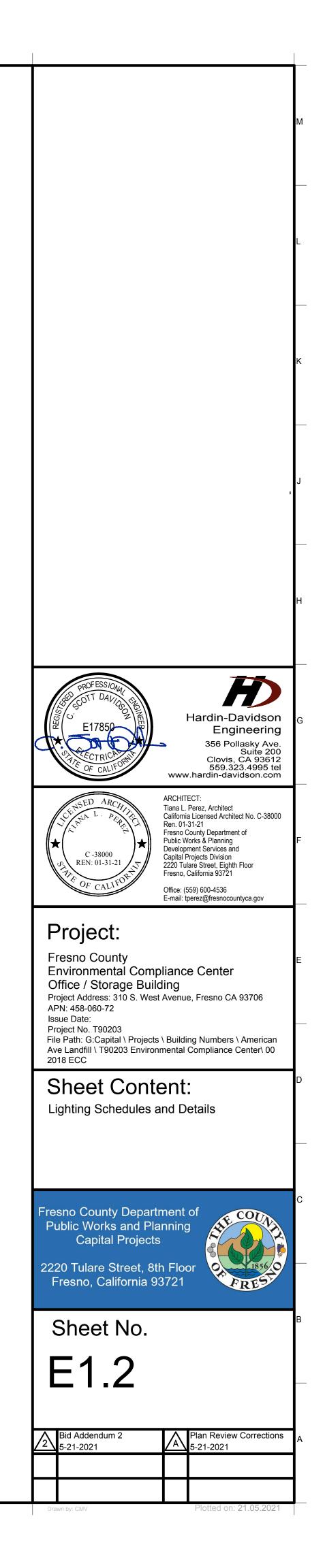
11

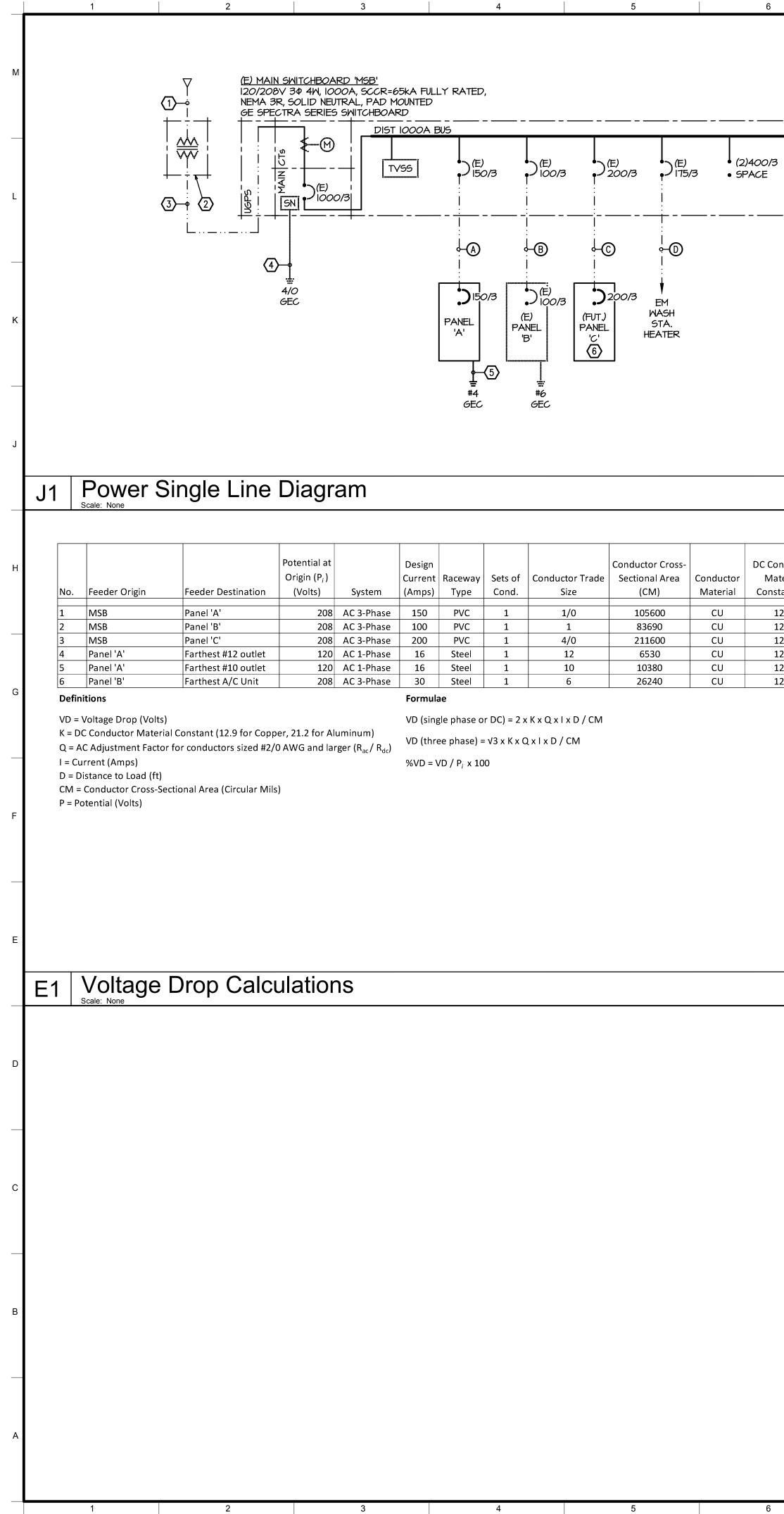
I. ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:	<u>S`</u>	<u>(MBOL</u>	DESCRIPTION
CALIFORNIA BUILDING CODE 2019	1	<b>-</b> •	POLE WITH SINGLE AREA LUMINAIRE
CALIFORNIA ELECTRICAL CODE 2019 NON RESIDENTIAL CEC ENERGY STANDARDS 2019	1	⊐⊕⊓	POLE WITH DOUBLE AREA LUMINAIRES
2. NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.			POLE WITH POST TOP AREA LUMINAIRI
. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES,			FIXTURE TYPE "A"
ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.		0	SURFACE CEILING LIGHT
THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.		Q	WALL LIGHT
THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT		-	FIXTURE ON EMERGENCY POWER
OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.		Ø	EXIT SIGN, CEILING (ARROWS INDICAT
ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A		Ø	EXIT SIGN, WALL (ARROWS INDICATE
COMPLETE & OPERATING SYSTEM.		2	DEDICATED EMERGENCY LIGHT
ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.			INVERTER
ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9. WHERE SERIES COMBINATION RATINGS ARE USED FOR NEW PANELS, PROVIDE A CAUTIONARY LABEL TO THE SERIES RATED DEVICE COVER STATING "CAUTION - SERIES RATED SYSTEM AMPACITY AVAILABLE" AND IDENTIFY THE		\$ ¢	SWITCH AT +48" AFF TO TOP OF BOX
COMPONENTS, PER CEC 110.3, 110.22(C), 240.86, AND THE UL RECOGNITION DIRECTORY.		\$₃ ⊅	3-WAY SWITCH AT +48" AFF TO TOP ( DIMMER SWITCH, TO BE COMPATIBLE !
PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 30 4W PER CEC 110.26.		Ψ	CONTROLLED FIXTURES, AT +48" AFF
PROVIDE MINIMUM 30" WIDE x 78" HIGH x 42" DEEP WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT		Ф	WALL MOUNTED DUAL TECH OCCUPAN SWITCH, O-IOV DIMMING, AT +48" AFF
277/480V 30 4W PER CEC 110.26. PROVIDE A PLACARD ON EACH PANELBOARD INDICATING THE LOCATION AND IDENTIFICATION OF THE FEEDER SERVING THE PANEL		Фғ	WALL MOUNTED ULTRASONIC OCCUPA
PER CEC 408.4(B).		<b>┯</b> ⊔	SWITCH, W/ SEPARATE EXHAUST FAN F AT +48" AFF TO TOP OF BOX
PROVIDE ILLUMINATED EMERGENCY POWER PER 2016 CFC, SECTION 1006.3. EMERGENCY EGRESS LIGHTING SHALL PROVIDE A MINIMUM LUMINANCE OF I FOOTCANDLE AT THE WALKING SURFACE FOR A MINIMUM OF 90 MINUTES.		( D )	DIGITAL DIMMER SWITCH,
FIRE ALARM EQUIPMENT SHALL BE SERVED BY DEDICATED FIRE ALARM BRANCH CIRCUITS PER NFPA 72 10.6.5.1.2. THE CIRCUIT NUMBER SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM EQUIPMENT PER NFPA 10.6.5.2.1. THE CIRCUIT BREAKER SHALL BE		•	AT +48" AFF TO TOP OF BOX
EQUIPPED WITH RED HANDLE AND LOCK-ON DEVICE, AND PERMANENTLY IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4, AND 10.6.5.4.	– 9NI	<b>()</b> w	DIGITAL DIMMER SWITCH, WIRELESS, L AT +48" AFF TO TOP OF BOX
WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN-2 COPPER.	LIGHTING	⊕ os	DIGITAL DIMMER SWITCH W/ INTEGRAL
120V AND 277V BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRALS. SHARING NEUTRALS IS NOT ACCEPTABLE.	Ī	÷	SENSOR AND PHOTOSENSOR AT +48" AFF TO TOP OF BOX
FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.		<b>(</b>	DIGITAL "FRESCO" GRAPHICAL TOUC
ALL UNDERGROUND CONDUITS SHALL HAVE MINIMUM 24" COVER. INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE RISERS OCCUR. WRAP GRS BELOW GRADE OR PROVIDE PVC COATED GRS. EXPOSED CONDUIT SHALL BE GRS TO 8'-O", THEN EMT			CONTROLLER AT +48" AFF TO TOP C
ABOVE AS APPROPRIATE. UNDER NO CIRCUMSTANCE SHALL PVC CONDUIT BE INSTALLED ABOVE GRADE.		<b>(</b> ( <b>S</b> )	DIGITAL OCCUPANCY SENSOR W/ PHC DUAL-TECHNOLOGY CEILING MOUNT
CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. I" TRADE SIZE.		HOS	DIGITAL OCCUPANCY SENSOR W/ PHC
PROVIDE (4) I" CONDUIT STUBS FROM EACH NEW ELECTRICAL PANEL TO ACCESSIBLE ATTIC SPACE FOR FUTURE USE.			DUAL-TECHNOLOGY WALL MOUNT
COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.		8	WIRELESS DIGITAL OCCUPANCY SENS PHOTOSENSOR. DUAL-TECHNOLOGY C
F CEC 422.3I.		GW	DIGITAL GATEWAY
FORE AN OCCUPANCY PERMIT IS GRANTED FOR A NEWLY CONSTRUCTED BUILDING OR AREA, OR NEW LIGHTING SERVING A JILDING, AREA OR SITE IS OPERATED FOR NORMAL USE, ALL INDOOR AND OUTDOOR LIGHTING CONTROLS SERVING THE BUILDING,			
EA OR SITE SHALL BE CERTIFIED AS MEETING THE "ACCEPTANCE REQUIREMENTS" FOR CODE COMPLIANCE IN ACCORDANCE WITH CTION 130.4. A "CERTIFICATE OF ACCEPTANCE" SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY UNDER SECTION 10-103(a) OF RT I THRU 7(c).		BR	DIGITAL BRIDGE
TIME OF "FINAL INSPECTION", ALL CODE REQUIRED SIGN CONTROLS WILL BE REQUIRED TO HAVE BEEN INSTALLED. REFERENCE			
ECTION 130.4 OF THE 2016 CALIFORNIA ENERGY CODE.		BX	DIGITAL XPOINT WIRELESS BRIDGE
THE CALIFORNIA STATE LICENSE BOARD (CSLB) "ZERO TOLERANCE POLICY" IN EFFECT FOR NON-COMPLIANT LABOR CODE DECTIONS 3099 AND 2099.2, SECTIONS 209.0 AND THE AB 931, AS OF JANUARY 2006, ENFORCEMENT OF LEGAL ACTION WILL BE		PP	DIMMING POWER PACK
SSUED TO ANY C-10 CONTRACTOR WHO WILLFULLY EMPLOYS AN "UNCERTIFIED ELECTRICIAN" TO PERFORM ELECTRICAL WORK IN THE STATE OF CALIFORNIA.			VERIFY 0-10V, 2- OR 3-WIRE, MLV, O ELV BY FIXTURE
THE GENERAL CONTRACTOR SHALL COORDINATE THE FIRE ALARM SYSTEM INTERFACES BETWEEN THE FIRE ALARM CONTRACTOR, SPRINKLER CONTRACTOR, MECHANICAL CONTRACTOR, AND ANY OTHER PERTINENT TRADES (FIRE ALARM, SPRINKLER SYSTEM, HOOD		PPε	DIMMING POWER PACK W/ EMERGENC
AND VENT EXTINGUISHING SYSTEM, HVAC, FIRE SMOKE DAMPERS, ETC.).			VERIFY 0-10V, 2- OR 3-WIRE, MLV, O ELV BY FIXTURE
WHEN A FIRE ALARM SYSTEM IS PRESENT AND THE TOTAL COMBINED CFM FOR ALL HVAC UNITS IN A FIRE COMPARTMENT IS IN EXCESS OF 2000, DETECTION OF SMOKE IN ANY ONE OF THE DUCT DETECTORS SHALL SHUT OFF THE POWER SOURCES TO ALL THE		(XP)	DMX CONTROLLER PACK
UNITS PER FRESNO FIRE POLICY 407.4. SUBMIT TO AND OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISIONS FOR THE INSTALLATION OR MODIFICATION OF THE FIRE			
ALARM SYSTEM. SEE FFD POLICY 401.012.		RR	RECEPTACLE RELAY CONTROLLED B OCCUPANCY SENSOR
PROVIDE START-UP, TESTING, ADJUSTMENT, AND REPORTING OF BUILDING LIGHTING SYSTEM PER CGBSC 5.410.4.	1		TERMINAL CABINET
ARC-FLASH WARNING SIGNS SHALL BE PROVIDED PER CEC SECTION 110.16.		$\nabla$	DATA OUTLET (RJ-45 CAT6) WITH 2
. FAULT CURRENT SHALL BE CALCULATED AND POSTED PRIOR TO FINAL INSPECTION PER CEC 110.24.		·	AT +18" AFF, U.O.N. BLUE JACKS & CABLE
			QTY. OF JACKS AS NOTED WHEN > 2
		WAP-C	(2) WAP DATA JACKS (RJ-45 CAT6A
		$\nabla$	IN ATTIC SPACE
		WAP-W	(2) WAP DATA JACKS (RJ-45 CAT6A
		$\nabla$	AT +108" AFF, U.O.N.
	ACOM		
	-DAT/	▼	WALL MOUNT VOIP OUTLET (RJ-45 CA
		•	AT +45" AFF, U.O.N.
		V	WALL MOUNT DATA/COMM OUTLET
	1	*	AT +45" AFF, U.O.N.
		MDF	
		MDF IDF	"MAIN DISTRIBUTION FRAME" "INTERMEDIATE DISTRIBUTION FRAME"
			"MAIN DISTRIBUTION FRAME" "INTERMEDIATE DISTRIBUTION FRAME

			Electrical	Symbol	3		4
ITLE 24 AND ALL OTHER	<u>SYMBOL</u>	DESCRIPTION	NOTES	<u>SYMBOL</u>	DESCRIPTION	NOTES	
		POLE WITH SINGLE AREA LUMINAIRE			SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM	
	□⊕□	POLE WITH DOUBLE AREA LUMINAIRES		-	POWER PANEL	REFER TO PANEL SCHEDULE	
ESE CODES.	•	POLE WITH POST TOP AREA LUMINAIRE		Ø	JUNCTION BOX	4-11/16" SQUARE BOX & COVER PLATE MIN.	
DE FOR COMPLETE AND	(A)	FIXTURE TYPE "A"	REFER TO FIXTURE SCHEDULE		DISCONNECT SWITCH, FUSIBLE	REFER TO MECH. PLANS & SPECS.	
SCELLANEOUS SERVICES, ECESSARY PART OF THE	O	SURFACE CEILING LIGHT		422	MOTOR CONTROLLER/DISCONNECT SWITCH	REFER TO MECH. PLANS & SPECS.	
	O	RECESSED DOWN LIGHT		Ø	MOTOR	REFER TO MECH. PLANS & SPECS.	
ID FOR ANY CONDITIONS	Q	WALL LIGHT		$\otimes$	EXHAUST FAN, CEILING MOUNTED	REFER TO MECH. PLANS & SPECS.	
THE TOTAL INSTRUMENT		FIXTURE ON EMERGENCY POWER	PROVIDE UNSWITCHED HOT TO BATT PACKS	Φ	SINGLE CONVENIENCE OUTLET	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED	
ONG DIFFERENT TRADES.		EXIT SIGN, CEILING (ARROWS INDICATE CHEVRONS)	PROVIDE UNSWITCHED HOT TO BATT PACKS		AT +15" AFF TO BOTTOM OF BOX, U.O.N.		
Y. THE CONTRACTOR IS ICES NECESSARY FOR A	Q	EXIT SIGN, WALL (ARROWS INDICATE CHEVRONS)	PROVIDE UNSWITCHED HOT TO BATT PACKS		DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED	
ULS NEULISARI TUR A	꼰	DEDICATED EMERGENCY LIGHT	PROVIDE UNSWITCHED HOT TO BATT PACKS		QUADPLEX CONVENIENCE OUTLET	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED	
) PER CEC 110.2.		INVERTER			AT +15" AFF TO BOTTOM OF BOX, U.O.N. DUPLEX GFI CONVENIENCE OUTLET	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED	
THE AVAILABLE SHORT DE A CAUTIONARY LABEL	\$	SWITCH AT +48" AFF TO TOP OF BOX	20A 277V QUIET TOGGLE		AT +15" AFF TO BOTTOM OF BOX, U.O.N.	LEVITON #X7899-W	
BLE" AND IDENTIFY THE	\$3	3-WAY SWITCH AT +48" AFF TO TOP OF BOX	20A 277V QUIET TOGGLE	⊢ T	QUADPLEX GFI CONVENIENCE OUTLET	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED	
R EQUIPMENT RATED AT	Ф	DIMMER SWITCH, TO BE COMPATIBLE WITH CONTROLLED FIXTURES, AT +48" AFF TO TOP OF BOX	ROUGH IN WITH IG BOX PER SWITCH W/ RING, I"C. TO ACCESSIBLE ATTIC SPACE	MOd	AT +15" AFF TO BOTTOM OF BOX, U.O.N.	LEVITON #X7899-W	
R EQUIPMENT RATED AT	<b>D</b>	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR	ROUGH IN WITH IG BOX PER SWITCH W/ RING,	<b>Ö</b>	WEATHERPROOF, GFI OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED LEVITON #X7899-W	
K EQUIPMENT RATED AT		SWITCH, O-IOY DIMMING, AT +48" AFF TO TOP OF BOX	I"C. TO ACCESSIBLE ATTIC SPACE		W WEATHERPROOF IN-USE TYPE COVER		
DER SERVING THE PANEL TING SHALL PROVIDE A	¢f	WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR SWITCH, W/ SEPARATE EXHAUST FAN RELAY AT +48" AFF TO TOP OF BOX	ROUGH IN WITH IG BOX PER SWITCH W RING, I"C. TO ACCESSIBLE ATTIC SPACE	曲	DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N. SPLIT-WIRED WITH UNSWITCHED AND	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED, LEVITON #TDR20-SIW CODE COMPLIANT MARKING REQUIRED	
THE STALL INVIDE A	$\square$	DIGITAL DIMMER SWITCH,	NLIGHT SYSTEM, ROUGH IN WITH IG BOX & RING,		SWITCHED BY OCCUPANCY SENSOR		
2 10.6.5.1.2. THE CIRCUIT CUIT BREAKER SHALL BE CIRCUIT" PER NFPA 72	 ⊖ N.	AT +48" AFF TO TOP OF BOX DIGITAL DIMMER SWITCH, WIRELESS, LINE VOLTAGE AT +48" AFF TO TOP OF BOX	I"C. TO ACCESSIBLE ATTIC nLIGHT AIR SYSTEM, ROUGH IN WITH IG BOX & RING, 120-277V POWERED		QUADPLEX CONVENIENCE OUTLET, CONTROLLED AT +15" AFF TO BOTTOM OF BOX, U.O.N. ONE UNSWITCHED AND ONE SWITCHED	20A SPEC. GRADE, TAMPER-RESISTANT, NEMA GROUNDED, LEVITON #TDR20-W AND LEVITON #TDR20-S2W CODE COMPLIANT MARKING REQUIRED	
	so 🕼	DIGITAL DIMMER SWITCH W/ INTEGRAL OCCUPANCY	nLIGHT SYSTEM, ROUGH IN WITH IG BOX & RING,		BY OCCUPANCY SENSOR		
BLE.		SENSOR AND PHOTOSENSOR AT +48" AFF TO TOP OF BOX	I"C. TO ACCESSIBLE ATTIC	Ø	HEAVY DUTY POWER PEDESTAL	SEE DETAIL	
					SPECIAL EQUIPMENT OUTLET	VERIFY REQ'TS W/ EQUIPMENT VENDOR	
ERS & ELBOWS WHERE		DIGITAL "FRESCO" GRAPHICAL TOUCHSCREEN DIMMING, CONTROLLER AT +48" AFF TO TOP OF BOX	nLIGHT SYSTEM, ROUGH IN WITH IG BOX & RING, I"C. TO ACCESSIBLE ATTIC	•	AT +15" AFF TO BOTTOM OF BOX, U.O.N. 26 FLOOR BOX WITH POWER FEED COVER	MAKE CONNECTION TO MODULAR FURNITURE SYSTEM	
FRS TO 8'-O", THEN EMT	05	DIGITAL OCCUPANCY SENSOR W/ PHOTOSENSOR	nLIGHT SYSTEM #nCM PDT 10		12" CU GROUND BUS BAR	WITH #6 GREEN GROUND WIRE TO G.E.C.	PROFESSIONAL SECOTT DAVIDO SE
I" TRADE SIZE.		DUAL-TECHNOLOGY CEILING MOUNT		~~~	FIRE/SMOKE DAMPER	PROVIDE 120V F.A. CIRCUIT TO DAMPER VIA	
RE USE.	HOS	DIGITAL OCCUPANCY SENSOR W/ PHOTOSENSOR DUAL-TECHNOLOGY WALL MOUNT	nLIGHT SYSTEM, ROUGH IN WITH IG BOX & RING, I"C. TO ACCESSIBLE ATTIC			F.A. RELAY.	E17850 Enginee
EN BY THE ARCHITECT.	(XS)	WIRELESS DIGITAL OCCUPANCY SENSOR W	PROVIDE XPOINT SBOR SENSOR INTERFACE		PUBLIC ADDRESS SPEAKER, CEILING MOUNTED PUBLIC ADDRESS SPEAKER	HOMERUN SPEAKER CABLE TO PA TERMINAL BLOCK RUN I"C. TO ACCESSIBLE ATTIC SPACE AND HOMERUN	CIOVIS, CAS
MEET THE REQUIREMENTS		PHOTOSENSOR. DUAL-TECHNOLOGY CEILING MOUNT	TROVIDE AFOIRT SLOK SENSOR INTEN AGE	⊢ ¥ ∀d	WALL MOUNTED, +120" U.O.N.	SPEAKER CABLE TO PA TERMINAL BLOCK	OF CALIFOT 559.323.49 www.hardin-davidsor
W LIGHTING SERVING A SERVING THE BUILDING,	GW	DIGITAL GATEWAY	nLIGHT SYSTEM, PROVIDE (I) GATEWAY AT EACH BUILDING AND CONNECT TO LAN. PROVIDE BOX/OUTLET AT GATEWAY LOCATION FOR GATEWAY POWER SUPPLY.	© <sup>₩₽</sup>	WP OUTDOOR PUBLIC ADDRESS SPEAKER, WALL MOUNTED, +120" U.O.N.	RUN I"C. TO ACCESSIBLE ATTIC SPACE AND HOMERUN SPEAKER CABLE TO PA TERMINAL BLOCK	ARCHITECT: Tiana L. Perez, Architect California Licensed Architect No. 0 Ren. 01-31-21
CE IN ACCORDANCE WITH ER SECTION 10-103(a) OF	®	DIGITAL BRIDGE	nLIGHT SYSTEM, PROVIDE (I) BRIDGE FOR EACH (6) nLIGHT ZONES. CONNECT BRIDGE POWER SUPPLY TO LOCAL LIGHTING CIRCUIT.	Jeras –	SURVEILLANCE (CCTV) CAMERA PROVISION, WALL MOUNTED. VERIFY HEIGHTS AT EACH LOCATION. C=CEILING MOUNTED.	INTERIOR: IG J-BOX, IG RING, MODULAR PLATE, 3/4"C. TO ACCESSIBLE ATTIC SPACE. EXTERIOR: IG FLUSH BELL BOX, MODULAR PLATE, 3/4"C. TO ACCESSIBLE ATTIC SPACE.	★       C -38000         C -38000       Cell         REN: 01-31-21       Cell         C -38000       Cell
INSTALLED. REFERENCE	BX	DIGITAL XPOINT WIRELESS BRIDGE	INTERFACE WITH NLIGHT SYSTEM GATEWAY	-CAM		PROVIDE (I) CAT6 CABLE AND DATA JACK TO EACH CAMERA PROVISION. VERIFY EXACT REQUIREMENTS PRIOR	Presno, California 93721       OF CALIFOR       Office: (559) 600-4536
MPLIANT LABOR CODE		DIMMING POWER PACK				TO ROUGH-IN.	E-mail: tperez@fresnocountyca.go
LEGAL ACTION WILL BE M ELECTRICAL WORK IN	PP	VERIFY O-IOV, 2- OR 3-WIRE, MLV, OR ELV BY FIXTURE	NLIGHT SYSTEM, MOUNT IN ACCESSIBLE ATTIC OR INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING		RECESSED TV BOX WITH POWER OUTLET, (2) DATA	MAKE POWER CONNECTION AND PROVIDE 1 1/2"C. STUB TO	Project:
E ALARM CONTRACTOR,	P	DIMMING POWER PACK W EMERGENCY CONTROL RELAY	N IGHT SYSTEM MOUNT IN ACCESSIBLE ATTIC OP		JACKS, HDMI AND CATV JACKS. VERIFY HEIGHT/LOCATION PRIOR TO ROUGH-IN.	EXPOSED CABLE SPACE NEAR ROOF. VERIFY HEIGHTS W ARCH.	Fresno County
PRINKLER SYSTEM, HOOD		VERIFY O-IOV, 2- OR 3-WIRE, MLV, OR	INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING		A/V INPUT HDMI/VGA/3.5MM AUDIO/USB JACK WALL	26 BOX, 16 RING, (2) I 1/4"C. TO ATTIC	Environmental Compliance Center
IRE COMPARTMENT IS IN		ELV BY FIXTURE		' I ⊕∯∑	PLATE AT +18" AFF	SPACE. INSTALL CABLES FROM STATION TO TV.	Office / Storage Building Project Address: 310 S. West Avenue, Fresno CA 9370
R SOURCES TO ALL THE	(XP)	DMX CONTROLLER PACK	NLIGHT SYSTEM, MOUNT IN ACCESSIBLE ATTIC OR INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING	\U <b>∀₩</b> ∨	DEVICES TO BE REMOVED EXISTING CONDUIT/WIRING TO BE DEMOLISHED		APN: 458-060-72 Issue Date:
DIFICATION OF THE FIRE	R	RECEPTACLE RELAY CONTROLLED BY	NLIGHT SYSTEM, MOUNT IN ACCESSIBLE ATTIC OR	¢∳⊽	EXISTING DEVICES		Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ Ame
		OCCUPANCY SENSOR	INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING. (1) RELAY PER CIRCUIT IN EACH CONTROLLED AREA.		EXISTING CONDUIT/WIRING		Ave Landfill \ T90203 Environmental Compliance Cente 2018 ECC
D.4.		TERMINAL CABINET	WINLEW I EN UNOUT IN LAUT CONTROLLED AREA.		WIRING IN CONDUIT, BELOW GRADE	3/4" CONDUIT MIN.	
		DATA OUTLET (RJ-45 CAT6) WITH 2 JACK	4-11/16 SQ. BOX, 1G RING, MODULAR		WIRING IN CONDUIT, IN WALL OR CEILING	3/4" CONDUIT MIN.	Sheet Content:
		AT +IO" AFF, U.O.N.	PLATE, & I I/2"C. TO ACCESSIBLE ATTIC	LV	LOW VOLTAGE WIRING IN ATTIC SPACE	TYPE PER EQUIPMENT MANUFACTURER	Electrical Notes and Symbols
		BLUE JACKS & CABLE QTY. OF JACKS AS NOTED WHEN > 2	SPACE. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END.		CONDUIT RISER	3/4" CONDUIT MIN.	
			REFER TO SPECIFICATIONS.			3/4" CONDUIT MIN.	
	WAP-C	(2) WAP DATA JACKS (RJ-45 CAT6A) MOUNTED IN ATTIC SPACE	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE. PULL CABLING TO RESPECTIVE		CONDUIT STUB AND CAP CROSS HATCHES INDICATE NUMBER OF #12 AWG.	3/4" CONDUIT MIN. 3/4" CONDUIT MIN.	
			PATCH PANEL AND TERMINATE JACKS	Z <b>ww</b>	CONDUCTORS IN CONDUIT, WHEN MORE THAN TWO.		
	WAP-W	(2) WAP DATA JACKS (RJ-45 CAT6A)	AT EACH END. 4-11/16 SQ. BOX, 16 RING, MODULAR		WIRE SIZE INDICATED ON PLANS WHEN OTHER #12 AWG. PROVIDE GROUND PER CEC 250.		Fresno County Department of Public Works and Planning
	 ≥	AT +108" AFF, U.O.N.	PLATE, & I I/2"C. TO ACCESSIBLE ATTIC SPACE. PULL CABLING TO RESPECTIVE PATCH		PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.		Capital Projects
	ACOI		PANEL AND TERMINATE JACKS AT EACH END. REFER TO SPECIFICATIONS.	<del></del>	CURVED CROSS HATCHES INDICATE #14 AWG PURPLE & GRAY CONDUCTORS FOR	3/4" CONDUIT MIN.	2220 Tulare Street, 8th Floor
	- DAT	WALL MOUNT VOIP OUTLET (RJ-45 CAT6)	4-11/16 SQ. BOX, 16 RING, MODULAR		DIMMING CONTROL.		Fresno, California 93721
	•	AT +45" AFF, U.O.N.	PLATE, & I I/2"C. TO ACCESSIBLE ATTIC	│	5 HOME RUN (TO PANEL "A", CIRCUIT "15")	3/4" CONDUIT MIN.	
			SPACE. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END.	(E)	"EXISTING"		Sheet No.
	_		REFER TO SPECIFICATIONS.	U.O.N. WP	"UNLESS OTHERWISE NOTED" "WEATHERPROOF" / NEMA 3R		
	V	WALL MOUNT DATA/COMM OUTLET AT +45" AFF, U.O.N.	4-II/I6 SQ. BOX, IG RING, MODULAR PLATE, & I I/2"C. TO ACCESSIBLE ATTIC SPACE. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END.	GFI	"WEATHERPROOF" / NEMA 3R "GROUND FAULT INTERRUPTER"		E1.1
			REFER TO SPECIFICATIONS.				
	MDF						Bid Addendum 2 5-21-2021 Plan Review Cor 5-21-2021
	IDF	"INTERMEDIATE DISTRIBUTION FRAME"					<u>z v</u> 5-21-2021 <u>Z · v</u> 5-21-2021
							· · ·



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ER DSA IR 25.	GONAL CORNER .2-13. REFER TO _ DETAILS FOR	2									
CCEPTABLE C	ONNECTIONS.										
IITH #8 x 3/4" <sup>.</sup>	CADDY #SFCLT TEK SCREWS										
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	LINE DIAGRAM KEY NOTES 🔿
	I. (E) 4"C. UTILITY PRIMARY PER RULE 16 DOCS.
	2. (E) UTILITY TRANSFORMER & CONCRETE PAD PER RULE 16 DOCS.
†	<ol> <li>(3) 5"C. UTILITY SECONDARY PER PG&amp;E PER RULE 16 DOCS.</li> </ol>
(2)200/3	4. (E) SERVICE GROUNDING ELECTRODE CONDUCTOR.
• SPACE	5. GROUNDING ELECTRODE CONDUCTOR TO UFER, STRUCTURAL STEEL, METAL WATER PIPE, AND FIRE SPRINKLER RISER.
+	6. PANEL SHOWN FOR REFERENCE ONLY. DO NOT INCLUDE IN BID.
	FEEDERS O
	A. (E) 2-1/2"C. 4#1/O, 1#6G.
	B. (E) 2"C. 4#I, I#6G.
	C. (E) 3"C. 4#4/O, I#4G.

D. (E) 2"C. 3#2/O, I#6G.

					Percent
C Conductor			Voltage	Potential at	Voltage
Material		Distance	Drop (VD)	Load (P <sub>/</sub> )	Drop
Constant (K)	Q	(ft)	(Volts)	(Volts)	(%VD)
12.9	0.9836	35	1.09	206.91	0.53
12.9	0.9740	125	3.25	204.75	1.56
12.9	1.0197	135	2.91	205.09	1.40
12.9	1.0101	75	4.79	115.21	3.99
12.9	0.9677	125	4.81	115.19	4.01
12.9	0.9980	45	1.15	206.85	0.55

CKT.	DESCRIPTION	BRE	AKER	VA
NO.	DESCRIPTION	AMPS	POLE(S)	VA
1	LIGHTING CONTROL PANEL	15	1	150
3	LIGHTS - INTERIOR	15	1	319
5	LIGHTS - EXTERIOR	15	2	125
7	LIGHTS - SITE POLES (208V)	15	2	229
9				229
11	SPARE	15	1	
13	SPARE	20	1	
15	SPARE	20	1	
17	SPARE	20	1	
19	AIR CONDITIONER ODU-1 / IDU-1	50	2	3120
21				3120
23	AIR CONDITIONER ODU-2 / IDU-2	15	2	936
25				936
27	EXHAUST FAN EF-2	15	1	696
29	SPACE ONLY			
31	SPACE ONLY			
33	SPACE ONLY			
35	SPACE ONLY			
37	SPACE ONLY			
39	SPACE ONLY			
41	SPACE ONLY			
	LOAD SUMMARY:		ΦA	9335
			ΦВ	11624
			ΦC	6681
	CONNECTED LOAD:			27.6
	MAX CURRENT:			97

PANEL "A" SCHEDULE

PA	NEL "B" SCHEDULE			120/208	/ 3Ф 4\	W 50kAIC			INDOOR / SURFACE	
CKT.	DECOUDTION	BRE	AKER	<b>\</b> /A	<u>_</u>	\/A	BRE	AKER	DESCRIPTION	CKT.
NO.	DESCRIPTION	AMPS	POLE(S)	VA	Φ	VA	AMPS	POLE(S)	DESCRIPTION	NO.
1	CANOPY LIGHTS	15	1	736	А	1176	20	1	LIQUID RECOVERY TANK	2
3	SPARE	15	1		В	500	20	1	NORTH SEA TRAIN	4
5	SPARE	20	1		С	500	20	1	SOUTH SEA TRAIN	6
7	OUTLETS - CANOPY	20	1	360	А	500	15	1	N. LIFT GATE	8
9	OUTLETS - CANOPY	20	1	360	В	500	15	1	S. LIFT GATE	10
11	OUTLETS - CANOPY	20	1	360	С		20	1	SPARE	12
13	OUTLETS - TERMINAL CABINET	15	1	360	А		20	1	SPARE	14
15	SPARE	20	1		В		20	1	SPARE	16
17	SPARE	20	1		С		20	1	SPARE	18
19	SPACE ONLY				А				SPACE ONLY	20
21	SPACE ONLY				В				SPACE ONLY	22
23	SPACE ONLY				С				SPACE ONLY	24
25	SPACE ONLY				А				SPACE ONLY	26
27	SPACE ONLY				В				SPACE ONLY	28
29	SPACE ONLY				С				SPACE ONLY	30
	LOAD SUMMARY:		ΦA	3132	VA		BUSIN	G:	100A	
			ΦВ	1360	VA		MAIN		100A	
			ΦC	860	VA					
	CONNECTED LOAD:			5.4	kVA					
	MAX CURRENT:			26	A					

PA	NEL "C" SCHEDULE			120/208\	/ 3Φ 4\	N 50kAIC			INDOOR / SURFACE	
СКТ.	DECONDENSION	BREAKER VA BF		BRE	REAKER		CK			
NO.	DESCRIPTION	AMPS	POLE(S)	VA	Φ	VA	AMPS	POLE(S)	DESCRIPTION	NC
1	LIGHTING CONTROL PANEL	15	1	150	А	500	20	1	OUTLETS - BACKBOARD	2
3	LIGHTS - INTERIOR	20	1		В	500	20	1	OUTLETS - BACKBOARD	4
5	LIGHTS - EXTERIOR	15	1		С	1000	20	1	OUTLETS - BACKBOARD	6
7	MARQUEE SIGN	15	1		А	360	20	1	OUTLETS - INTERIOR	8
9	SPACE ONLY				В	360	20	1	OUTLETS - INTERIOR	10
11	SPACE ONLY				С	360	20	1	OUTLETS - INTERIOR	12
13	ROLL-UP DOOR MOTOR	15	3	444	Α	360	20	1	OUTLETS - INTERIOR	14
15				444	В	500	20	1	* FIRE SPRINKLER SYSTEM	16
17				444	С		20	1	SPARE	18
19	ROLL-UP DOOR MOTOR	15	3	444	А		20	1	SPARE	20
21				444	В		20	1	SPARE	22
23				444	С		20	1	SPARE	24
25	ROLL-UP DOOR MOTOR	15	3	444	А	4800	50	3	OUTLET - FORKLIFT CHARGER	26
27				444	В	4800				28
29				444	С	4800				30
31	EXHAUST FAN EF-1	20	1	1176	Α				SPACE ONLY	32
33	SPACE ONLY				В				SPACE ONLY	34
35	SPACE ONLY				С				SPACE ONLY	36
37	SPACE ONLY				А				SPACE ONLY	38
39	SPACE ONLY				В				SPACE ONLY	40
41	SPACE ONLY				С				SPACE ONLY	42
	LOAD SUMMARY:		ΦA	8678	VA		BUSIN	G:	200A	
			ΦВ	7492 VA		MAIN:			200A	
			ΦC	7492	VA	I	NOTES	:	* PROVIDE RED LOCK-ON DEVICE FOR F.A. CKT	S.
	CONNECTED LOAD:			23.7						
	MAX CURRENT:			72						

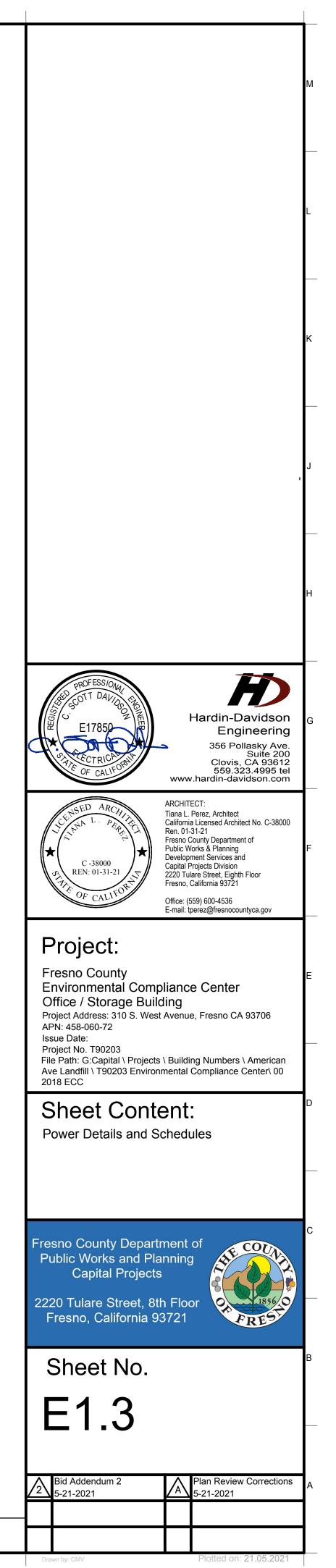
## A10 Panel Schedules

13	14	15

		120/208	/ 3Φ 4\	N 50kAIC			INDOOR / SURFACE			
EAKER VA D			BREAKER		D SOCOLOTION	СКТ.				
	POLE(S)			VA	AMPS	POLE(S)	DESCRIPTION	NO.		
	1	150	А	1000	20	1	OUTLETS - BACKBOARD	2		
	1	319	В	1000	20	1	OUTLETS - BACKBOARD	4		
	2	125	С	1000	20	1	* FIRE SPRINKLER SYSTEM	6		
	2	229	А	1000	20	1	OUTLETS - BACKBOARD	8		
		229	В	540	20	1	OUTLETS - OFFICE	10		
	1		С	720	20	1	OUTLETS - OFFICE	12		
	1		А	540	20	1	OUTLETS - OFFICE	14		
	1		В	720	20	1	OUTLETS - STORAGE	16		
	1		С	540	20	1	OUTLETS - EXTERIOR, NE RESTROOM	18		
	2	3120	А	360	20	1	OUTLETS - EXTERIOR, NW RESTROOM	20		
		3120	В	2000	20	1	HAND DRYER - NE RESTROOM	22		
	2	936	С	3000	30	1	** WATER HEATER - NE RESTROOM	24		
		936	А	2000	20	1	HAND DRYER - NW RESTROOM	26		
	1	696	В	3000	30	1	** WATER HEATER - NW RESTROOM	28		
			С	360	20	1	OUTLETS - HAZMAT CONTAINER	30		
			А		20	1	SPARE	32		
			В		20	1	SPARE	34		
			С		20	1	SPARE	36		
			А		20	1	SPARE	38		
			В		20	1	SPARE	40		
			С		20	1	SPARE	42		
	ΦА	9335	VA		BUSIN	G:	200A			
	ΦВ	11624	VA		MAIN:		150A			
	ΦC	6681	VA	1	NOTES	:	* PROVIDE RED LOCK-ON DEVICE FOR F.A. CKTS.			
		27.6	kVA				** PROVIDE LOCK-OUT DEVICE FOR SERVICE			
		97	А							

PANEL "B" SCHEDULE FOR REFERENCE ONLY. NOT INCLUDED IN BID.

PANEL "C" SCHEDULE FOR REFERENCE ONLY. NOT INCLUDED IN BID.



state of california Electrical Power Distribution NRCC-ELC-E CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Electrical Power Distribution NRCC-ELC-E CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Electrical Power Distribution NRCC-ELC-E CALIFORNIA ENERGY COMMISSIO
CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance with mandatory requirements in <u>§130.5</u> , 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 <u>§141.0(a)</u> or	CERTIFICATE OF COMPLIANCE       NRCC-ELC-E         Project Name:       Environmental Compliance Center Office/Storage Building       Report Page:       (Page 2 of 5)         Project Address:       310 S. West Ave.       Date Prepared:       7/20/2020	CERTIFICATE OF COMPLIANCE         NRCC-ELC-           Project Name:         Environmental Compliance Center Office/Storage Building Report Page:         (Page 3 of 5)           Project Address:         310 S. West Ave. Date Prepared:         7/20/202
§141.0(b)2P for alterations       Project Name:       Environmental Compliance Center Office/Storage Building       Report Page:       (Page 1 of 5)         Project Address:       310 S. West Ave.       Date Prepared:       7/20/2020	D. EXCEPTIONAL CONDITIONS	H. VOLTAGE DROP
A. GENERAL INFORMATION	This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	This table includes 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 <u>\$130.5(c)</u> . For alterations, only the altered circuits must demonstrate compliance per <u>\$141.0(b)2Piii</u>
01         Project Location (city)         Fresno         02         Occupancy Types Within Project:           ⊠         Office         □         Retail         ☑         Warehouse         □         Hotel/Motel         □         School         ☑         Support Areas	E. ADDITIONAL REMARKS This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.	01         02         03         04         05           Electrical Service         Combined Voltage Drop on Installed Feeder/Branch         Location of Voltage Drop Calculations in Construction         Sheet Number for Voltage Drop Calculations in Construction         Field Inspector
□ Parking Garage □ High-Rise Residential □ Relocatable □ Healthcare Facilities ⊠ Other (write in) See Table I . PROJECT SCOPE	F. SERVICE ELECTRICAL METERING This section does not apply to this project.	Designation/Description         Circuit Conductors Compliance Method         Calculations*         Documents         Pass         Fail           Mathematical Science Action (Conductors Compliance Method         Permitted by CA Elec         Documents         Pass         Fail
This table includes electrical systems that are within the scope of the permit application.           01         02         03         04         05	G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING	Panel A       Image: Voltage drop less than 5%       Image: Code (Exception to 130.5(c))*       Attached       E1.3       Image: Code code code code code code code code c
Electrical Service Designation/Description Scope of Work <sup>1</sup> (k/4) Rating (k/4) Utility Provided Metering System Subject to CA Elec Code Article 517 Exception to 5130 5(a) 2	This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with \$130.5(b). Any load types that are not included in the service do not need to be shown.         01       02       03       04       05	<sup>1</sup> 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".
Panel A     New electrical service equipment and meter     54     Image: Comparison of the service equipment and meter	Load Type per Table 130.5-B <sup>1</sup> Minimum Required Separation of Load per Table 130.5-B     Compliance Method <sup>2</sup> Location of Requirements in Construction Documents     Field Inspector	I.CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
06 Demand Response Controls Demand Response Controls Demand Response Controls Contro	Panel A Lighting including exit, egress and exterior All lighting in aggregate Method 1 E1.3	This table includes 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
OOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.       and §130.3       and §130.3       and §130.3	Plug Loads and appliances less than 25kVA     All plug loads in aggregate       Groups of plug loads exceeding     Method 1       F1 3     Image: Comparison of the plug loads exceeding	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
pplicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. COMPLIANCE RESULTS	Hog bedde did upphalices less that 25 kVA connected load in an area less than 5000 sf     Interfed 1     Interfed 1     Interfed 1       HVAC systems and components     All HVAC in aggregate     Method 1     E1.3     Interfed 1	Panel A     Within 6ft of uncontrolled receptacle     Occupancy Sensor     Image: Control of the
sults in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer Table D. Exceptional Conditions for guidance or see applicable Table referenced below.	* NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below. <sup>1</sup> FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.	* NOTES: If "Other*" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below. J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
01     02     03     04     05       Service Electrical Mentaring \$120 5(2)     AND     Separation for Voltage Drop \$130.5(c)     AND     Controlled Receptacles \$120 5(d)     6120 5(d)	<sup>2</sup> 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 and provisions for adding future branch circuit monitoring.	Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at
Metering §130.5(a) (See Table F)     Monitoring §130.5(b) (See Table G)     Mode Voltage Diop §130.5(c) (See Table H)     Mode Voltage Diop §130.5(c) (See Table H)       Yes     AND     Yes     AND     Yes     COMPLIES	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.	https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/ Yes No Form/Title Field Inspector Pass Fail
TES AIND TES AIND TES CONVIPLIES		Image: Constraint of the submitted for all buildings     Image: Constraint of the submitted for all buildings     Image: Constraint of the submitted for all buildings
Registration Number:     Registration Date/Time:     Registration Provider: Energysoft       CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance     Report Version: 2019.1.003     Report Generated: 2020-07-20 11:42:08	Registration Number:       Registration Date/Time:       Registration Provider: Energysoft         CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance       Report Version: 2019.1.003       Report Generated: 2020-07-20 11:42:08	Registration Number:       Registration Date/Time:       Registration Provider: Energysoft         CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance       Report Version: 2019.1.003       Report Generated: 2020-07-20 11:42:08
Schema Version: rev 20190401	Schema Version: rev 20190401	Schema Version: rev 20190401
ATE OF CALIFORNIA Iectrical Power Distribution ACC-ELC-E CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Indoor Lighting NRC-LTI-E CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Indoor Lighting NRCC-IT-F CALIFORNIA ENERGY COMMISSIO
RCC-ELC-E CALIFORNIA ENERGY COMMISSION ERTIFICATE OF COMPLIANCE rroject Name: Environmental Compliance Center Office/Storage Building	NRCC-LTI-E CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-E This document is used to demonstrate compliance with requirements in <u>\$110.9</u> , <u>\$110.12(c)</u> , <u>\$130.0</u> , <u>\$130.1</u> , <u>\$140.6</u> and <u>\$141.0(b)2</u> for indoor lighting scopes using the prescriptive	NRCC-LTI-E       CALIFORNIA ENERGY COMMISSIO         CERTIFICATE OF COMPLIANCE       NRCC-LTI-         Project Name:       Environmental Compliance Center Office/Storage Building         Report Page:       (Page 2 of 7)
roject Address: 310 S. West Ave. Date Prepared: 7/20/2020	path.         Project Name:       Environmental Compliance Center Office/Storage Building         Report Page:       (Page 1 of 7)	Project Address: 310 S. West Ave. Date Prepared: 7/20/202
OCUMENTATION AUTHOR'S DECLARATION STATEMENT certify that this Certificate of Compliance documentation is accurate and complete.	Project Address: 310 S. West Ave. Date Prepared: 7/20/2020 A. GENERAL INFORMATION	C. COMPLIANCE RESULTS If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.
Scott Davidson Documentation Author Signature:	01     Project Location (city)     Fresno     04     Total Conditioned Floor Area (ft <sup>2</sup> )     592       02     Climate Zone     13     05     Total Unconditioned Floor Area (ft <sup>2</sup> )     0	Lighting in     O1     O2     O3     O4     O5     Adjusted Lighting Power per §140.6(a)     (Watts)     Compliance Results
mpany:     Signature Date:       urdin-Davidson Engineering     2020-07-20       dress:     CEA/ HERS Certification Identification (if applicable):	02       Company Types Within Project (select all that apply):       06       # of Stories (Habitable Above Grade)       1         03       Office       Image: Retail       Image: Retail	conditioned and unconditioned spaces must not be     Area Category     Area Tailored     Adjustments       Total     PAF Lighting
56 Pollasky Ave., Suite 200         E17850           ity/State/Zip:         Phone:           lovis CA 93612         559-323-4995	Parking Garage       High-Rise Residential       Relocatable       Healthcare       Other (Write in)       See Table I	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
ESPONSIBLE PERSON'S DECLARATION STATEMENT ertify the following under penalty of perjury, under the laws of the State of California:	<b>B. PROJECT SCOPE</b> This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in <u>\$140.6</u> or	Conditioned         (See Table I)         (See Table J)         (See Table J)         (See Table J)         (See Table K)         (See Table F)         (See Table P)         (See Table P)           Conditioned         349.6         0         =         349.6         ≥         318.6         0         =         318.6         COMPLIES
<ol> <li>The information provided on this Certificate of Compliance is true and correct.</li> <li>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)</li> <li>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</li> </ol>	§141.0(b)2 for alterations.           Scope of Work         Conditioned Spaces         Unconditioned Spaces           01         02         03         04         05	Unconditioned         Image: Second sec
<ul> <li>of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>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.</li> </ul>	My Project Consists of (check all that apply):     Calculation Method     Area (ft <sup>2</sup> )     Calculation Method     Area (ft <sup>2</sup> )       New Lighting System     Area Category Method     592     Area Category Method     0	Rated Power Reduction Compliance (See Table Q for Details) D. EXCEPTIONAL CONDITIONS
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. asponsible Designer Name: Court Decider: Responsible Designer Signature: Court Decider: Responsible Decider: Responsible Decider: Responsible Decider: Responsible Decider: Responsible Decider: Responsible Decider: Responsible Decider: Responsible Decider: Responsible Decider:	Image: A least of grange     Image: A least of grange       Image: Total Area of Work (ft <sup>2</sup> )     592	This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
. Scott Davidson Date Signed: ompany: Date Signed: ardin-Davidson Engineering 2020-07-20		E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
uddress:     License:       156 Pollasky Ave., Suite 200     E17850       vity/State/Zip:     Phone:		F. INDOOR LIGHTING FIXTURE SCHEDULE
ovis CA 93612 (559) 323-4995		This table includes 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     Complete Luminaire     Modular     Small Aperture &     Watts per     How is Wattage     Total Number     Excluded per
		Tag     Description     (Track) Fixture     Operation     (Iminaire2     determined     of Luminaires     \$140.6(a)3     Description     Pass     Fail       A     32.9w LED Flat Panel     No     No     32.9     CEC Default     4     No     131.6     □     □
tegistration Number: Registration Provider: Energysoft	Registration Number: Registration Date/Time: Registration Provider: Energysoft	B     40.0w LED Surface Light     No     No     40     CEC Default     2     No     80        Registration Number:     Registration Date/Time:     Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2020-07-20 11:42:08 Schema Version: rev 20190401	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2020-07-20 11:42:08 Schema Version: rev 20190401	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2020-07-20 11:42:08 Schema Version: rev 20190401
'E OF CALIFORNIA	STATE OF CALIFORNIA	STATE OF CALIFORNIA
door Lighting :c-LTI-E CALIFORNIA ENERGY COMMISSION RTIFICATE OF COMPLIANCE NRCC-LTI-E	Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-E	Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSIO CERTIFICATE OF COMPLIANCE NRCC-LTI
ATTRICATE OF COMPLIANCE NRCC-LTI-E oject Name: Environmental Compliance Center Office/Storage Building Report Page: (Page 4 of 7) oject Address: 310 S. West Ave. Date Prepared: 7/20/2020	CERTIFICATE OF COMPLIANCE       NRCC-LTI-E         Project Name:       Environmental Compliance Center Office/Storage Building       Report Page:       (Page 5 of 7)         Project Address:       310 S. West Ave.       Date Prepared:       7/20/2020	CERTIFICATE OF COMPLIANCE       NRCC-LTI-         Project Name:       Environmental Compliance Center Office/Storage Building       Report Page:       (Page 6 of 2)         Project Address:       310 S. West Ave.       Date Prepared:       7/20/202
INDOOR LIGHTING CONTROLS (Not including PAFs)	I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS	S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
rea Level Controls 04 05 06 07 08 09 10 11 12	Electrical Room       Electrical Mechancial Telephone Room       0.4       40       16       No       No         TOTALS: 592       349.6       See Tables J, or P for detail	This section does not apply to this project.
Complete Building or Area Controls Multi-Level Shut Off Controls Primary/Sky Secondary Interlocked	J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM	T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E.
Area Description     Category Primary Function     §130.1(a)     Controls     §130.1(c)     Daylighting     Systems       Area     §130.1(a)     §130.1(b)     §130.1(c)     §130.1(c)     §140.6(d)     §140.6(d)	This section does not apply to this project. K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE	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/
Office     Office 250 square feet or less     Manual ON/OFF     Dimmer     Occupancy Sensor     Included     Included     No     □	This section does not apply to this project.	Yes     No     Form/Title       Image: Constraint of the system of the
Storage Warehouse Manual ON/OFF Dimmer Occupancy Sensor N/A N/A No D	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY This section does not apply to this project.	NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control system (EMCS), to be     Implementation of the submitted for a lighting control system, or for an Energy Management Control system (EMCS), to be     Implementation of the submitted for a lighting control s
Electrical Room     Electrical Mechancial Telephone Room     Manual ON/OFF     Dimmer     Occupancy Sensor     N/A     N/A     No     III	M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING	Image: Second systems and the 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.       Image: Second systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.         Image: Second systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.       Image: Second systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.
Restrooms     Restrooms     Maindail ON/OFF     Dimmer     Occupancy Sensor     N/A     N/A     No     I       *NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.     13	This section does not apply to this project.           N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS	NRCI-LTI-06-E- Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.
X: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1       Plan Sheet Showing Daylit Zones:         o \$130.1(d)2       E1.4	This section does not apply to this project.	U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E.
LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS	O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE This section does not apply to this project.	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 Field Inspector
ach area complying using the Complete Building or Area Category Methods per <u>§140.6(b)</u> are included in this table. Column 06 indicates if additional lighting power allowances per [40.6(c) or adjustments per <u>§140.6(a)</u> are being used.	P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))	Yes       No       Form/Title       Pass       Fail         Image: Comparison of the submitted for occupancy sensors and automatic time switch controls.       Image: Comparison of the submitted for occupancy sensors and automatic time switch controls.       Image: Comparison of the submitted for occupancy sensors and automatic time switch controls.
Oli     O2     O3     O4     O5     O6       O Consults Duildings Are Cotage Drivers     Allowed Density     Allowed Wetters     Additional Allowance (Adjustment	This section does not apply to this project. Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS	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-04-A - Must be submitted for demand responsive lighting controls.
Area Description     Complete Building or Area Category Primary Function Area     Allowed Density (W/ft <sup>2</sup> )     Area (ft <sup>2</sup> )     Allowed Wattage (Watts)     Additional Allowance / Adjustment	Q. KATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS         This section does not apply to this project.	NRCA-LTI-05-A Must be submitted for institutional tuning power adjustment factor (PAF)
	R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS	
Office         Office 250 square feet or less         0.7         216         151.2         No         No           Storage         Commercial Industrial Storage Area         0.45         180         81         No         No           Restrooms         Restrooms         0.65         156         101.4         No         No	This section does not apply to this project.	
	This section does not apply to this project.         Registration Number:       Registration Date/Time:         Registration Number:       Registration Date/Time:	Registration Number: Registration Date/Time: Registration Provider: Energysoft

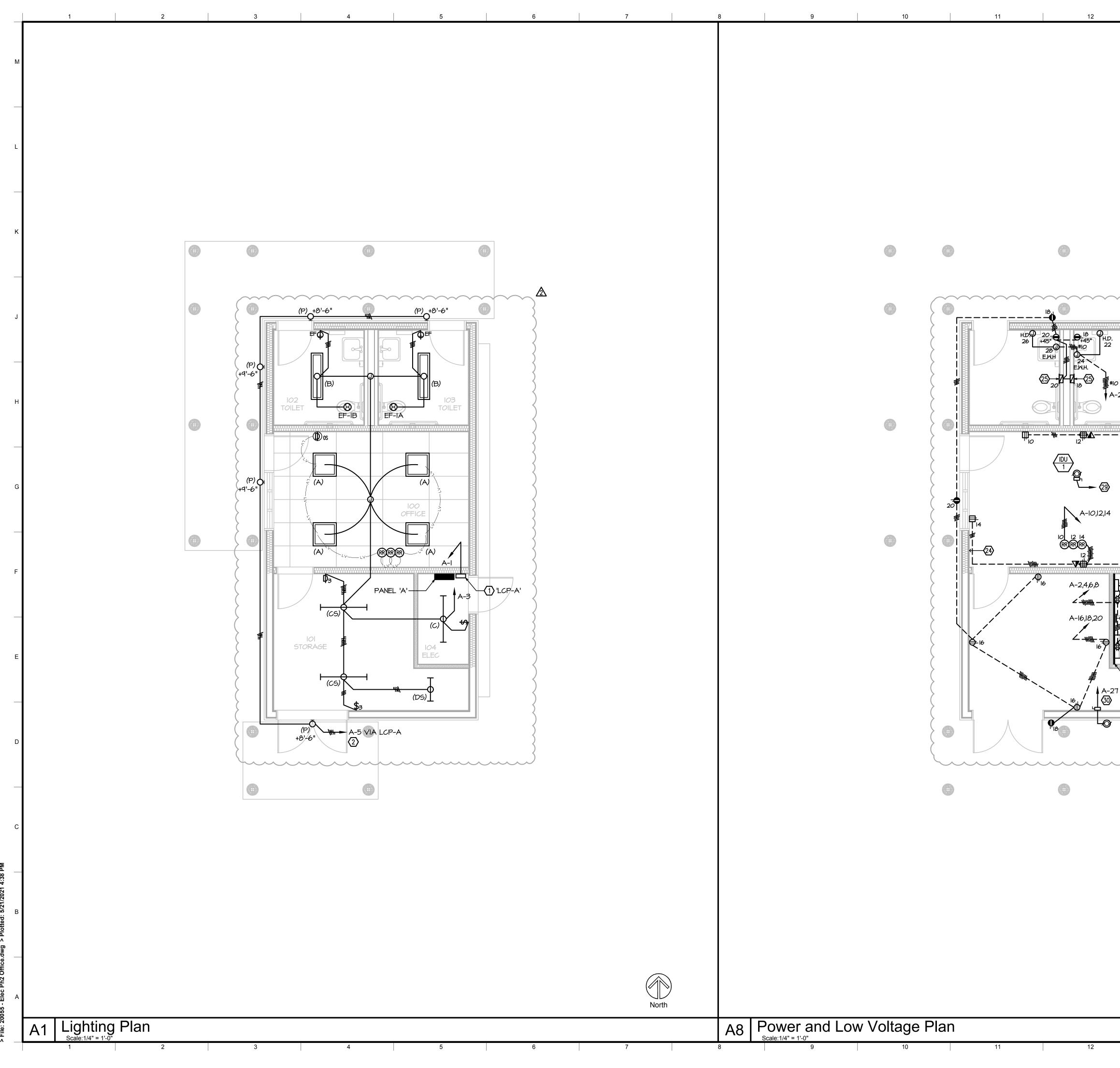
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A Registration Number:       Registration Data/Time:       Registration Provider: Energyoft.         A Rulading (Intergy (Efficiency Standards - 2019 Nonveidential Compliance)       Regort Version: 2019 1.000       Report Generated: 2000-07: 2011-2021         Sett Concurrence       Report Version: 2019 1.000       Report Generated: 2000-07: 2011-2021       ACCHTECT:         Time L. Peterz, Architect       Caluron Number:       Concurrence       ACCHTECT:         Moor Lighting       Caluron Number:       Concurrence       Time L. Peterz, Architect         Moor Lighting       Concurrence       (Peer 9777)       Time L. Peterz, Architect         Moor Lighting       Concurrence       (Peer 9777)       Time L. Peterz, Architect         Project Name:       100 5. Word Architect Name:       (Peer 9777)       Time L. Peterz, Architect         Stream:       100 5. Word Architect Stream:       (Peer 9777)       Time L. Peterz, Architect       Caluron Name:         Stream:       100 5. Word Architect Stream:       (Peer 9777)       Time L. Peterz, Architect       Caluron Name:       Caluron Name:       Project	12 13	14	15	
	Electrical Power Distribution		CALIFORNIA ENERGY COMMISSION	
	Project Name: Environmental Compliance Center Office/Stora		(Page 4 of 5)	
		. West Ave. Date Prepared:	7/20/2020	
		n requirements.		
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	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance		Report Generated: 2020-07-20 11:42:08	
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	NRCC-LTI-E			
	Project Name: Environmental Compliance Center Office/Stor		(Page 3 of 7)	
	C 30.0w LED Strip Light No No			
		17 CEC Default 1 No	17 🗌	
		ch qualify per <u>§140.6(a)4B</u> is adjusted to be 75% of their		
	<sup>2</sup> Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm watta		t be the maximum rated for the luminaire, not	
	G. MODULAR LIGHTING SYSTEMS			
	This table includes lighting controls for conditioned and unconditioned spaces. W			
	Building Level Controls	-		
			Field Inspector	PROFESSION
	Not Required <= 10,000 SF	Whole Building Other		SE COTT DAV OF SE
				() Hardin-Davidsor
				Engineening
<text></text>				Clovis, CA 93612
<text></text>				<i>OF CALIFOR</i> 559.323.4995 te www.hardin-davidson.com
	Registration Number:	Registration Date/Time:	Registration Provider: Energysoft	ARCHITECT.
	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance		Report Generated: 2020-07-20 11:42:08	Tiana L. Perez, Architect
				Ren. 01-31-21 Fresno County Department of
	NRCC-LTI-E			C -38000
Display of the standing of the	Project Name: Environmental Compliance Center Office/Sto		(Page 7 of 7)	REN: 01-31-21 2220 Tulare Street, Eighth Floor Fresno, California 93721
Instructional conductions       important to the conductions			1720/2020	
Cast System	I certify that this Certificate of Compliance documentation is accurate a	· .		⊢-mail: tperez@tresnocountyca.gov
The second se	C. Scott Davidson			Project
Statu	Hardin-Davidson Engineering Address:	2020-07-20 CEA/ HERS Certification Identification (if applicable):		
Handback and Landback and Landback and the state of	City/State/Zip:	Phone:		
<ul> <li>1. In the first the state of th</li></ul>	RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	I		Office / Storage Building
Image: State of the state	<ol> <li>I am eligible under Division 3 of the Business and Professions Code to accept responsibili</li> <li>The energy features and performance specifications, materials, components, and manuf</li> </ol>			Project Address: 310 S. West Avenue, Fresno CA 93706
Image: Line framework in the restrict on the specific market is to building water to the building wat	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 Co plans and specifications submitted to the enforcement agency for approval with this buil	ompliance are consistent with the information provided on other applic Iding permit application.	able compliance documents, worksheets, calculations,	Issue Date:
C. soft backdon       Disk stord         Carbon Cogneting       2020 07.20         Start Start       2020 07.20	<ol> <li>I will ensure that a completed signed copy of this Certificate of Compliance shall be mad inspections. I understand that a completed signed copy of this Certificate of Compliance</li> </ol>	le available with the building permit(s) issued for the building, and mad is required to be included with the documentation the builder provide		File Path: G:Capital \ Projects \ Building Numbers \ American
Ald See Malay Ave., Suite 200       17850         Control of the Control of	C. Scott Davidson Company:	Date Signed:		
[Clovic CA 3812       [(559] 323-495         Registration Number:       Registration Date/Time:       Registration Provider: Evergood:         At Making Every PHoney Standards2018 Nonsedulatal Compliance       Registration Provider: Evergood:         Freesing County Department of Public Works and Planning Capital Projects       Public Works and Planning Capital Projects         2220 Tuilare Street, 8th Floor Freesino, California 93721       Sheeret No.         E11.44       E11.44	Address: 356 Pollasky Ave., Suite 200	License: E17850		Sheet Contant:
Registration Number:       Registration Date/Time:       Registration Provider: Description         CA Building Greege Officiency Standards - 2019 Kourresidential Compliance       Report Generate: 2029 Action Provider: 2029				
CA Building Energy Officiency Standards - 2019 Nooresidential Compliance       Report Version: rev 20190401         Bejort Generated: 2020 07-20 11-42:05         Freesno County Department of Public Works and Planning Capital Projects         2220 Tulare Street, 8th Floor Freesno, California 93721         Sheeret Noo.         E1.4				LITIE 24 Compliance Documents
CA Building Energy Efficiency Standards - 2019 Nooresidential Compliance       Report Version: rev 20190401         Schema Version: rev 20190401       Report Generated: 2020 77-20 11-42:08         Freesno County Department of Public Works and Planning Capital Projects       2220 Tulare Street, 8th Floor Freesno, California 93721         Schema Version: rev 20190401       Sheeet Noo.         E11.42       A Plan Review Correction				
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance       Report Version: rev 20190401         Report Generated: 2020 477-20 11-42:08       Fressno County Department of Public Works and Planning Capital Projects         2220 Tulare Street, 8th Floor Fressno, California 93721       Sheeet No.         Sheet No.       E1.4				
Stema Verdon: rev 2019041 Fresho County Department of Public Works and Planning Capital Projects 2220 Tulare Street, 8th Floor Fresho, California 93721 Sheet No. E1.4 A Eld Addendum 2	-			
Public Works and Planning Capital Projects 2220 Tulare Street, 8th Floor Fresno, California 93721 Sheet No. E1.4	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance		Report Generated: 2020-07-20 11:42:08	
Public Works and Planning Capital Projects 2220 Tulare Street, 8th Floor Fresno, California 93721 Sheet No. E1.4				
2220 Tulare Street, 8th Floor Fresno, California 93721 Sheet No. E1.4				Public Works and Planning
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				Plan Review Correction 5-21-2021 Plan Review Correction
12         13         14         15         Drawn by: CMV         Plotted on: 21.05.20				Drawn by: CMV Plotted on: 21.05.202

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STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E CALIFORNIA ENERGY COMMISS		CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E		CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE     NRCC-L       Project Name:     Environmental Compliance Center Office/Storage Building Report Page:     (Page 1)	7) Project Name: Environmental Compliance Center Office/Storage Building Report P		CERTIFICATE OF COMPLIANCE Project Name: Environmental Compliance Center Offi		NRCC-LTO-E (Page 3 of 7)	CERTIFICATE OF COMPLIANCE Project Name: Environmental Compliance Center Office/S Project Address:		NRCC-LTO-E (Page 4 of 7)	
Project Address:     310 S. West Ave.     Date Prepared:     7/20/       A. GENERAL INFORMATION	D20 Project Address: 310 S. West Ave. Date Pre C. COMPLIANCE RESULTS	pared: 7/20/2020	Project Address:  F. OUTDOOR LIGHTING FIXTURE SCHEDULE	310 S. West Ave. Date Prepared:	7/20/2020	Project Address: 3	IO S. West Ave. Date Prepared:	7/20/2020	
O1     Project Location (city)     Fresno     O4     Total Illuminated Hardscape Area (ft <sup>2</sup> )     1435       O2     Climate Zone     13     O4     Total Illuminated Hardscape Area (ft <sup>2</sup> )     1435	Results in this table are automatically calculated from data input and calculations in Tables F through to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.		For new or altered lighting systems demonstrating compliance with $\underline{\$140.7}$ covered by the permit application are included in the Table below. For alter	ered lighting systems using the Existing Power method per <u>§141.0</u>	0(b)2L only new luminaires being installed and	This table demonstrates compliance with controls requirements for all new or existing to remain (ie untouched) and luminaires which are removed and reins			
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       □       LZ-4: High - Must be reviewed by CA Energy Commission for Approval	Calculations of Total Allowed Lighting Power (Watts) <u>\$140.7</u> or <u>\$141.0(b)2L</u> 01         02         03         04         05           General         01         02         03         04         05	Compliance Results           06         07         08         09           Evicting         06         07         08         09	replacement luminaires being installed as part of the project scope are incl Designed Wattage: 01 02 03		eing moved are not included).	the permit application. When an option having a * is selected, the notes section of this table must be "DOES NOT COMPLY" if the notes are left blank.	ompleted. The lighting controls section of the	Compliance Summary Table on the first page will show	
B. PROJECT SCOPE	General Per Sales + Ornamental + Per Specific Area OR Allowance \$140.7(d)2 \$1	Existing Power Allowance (Watts) ≥ Total Actual (Watts) 07 must be >= 08	Name or Item Complete Luminaire Description Watts per	How is Total number Juminaira Fusluded and	Cutoff Req. > Field 6,200 initial Inspector	Mandatory Controls 01 02	03	04 05	
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in <u>§140.7</u> or <u>§141.0(b)2L</u> for alterations. My Project Consists of:	(See Table I) (See Table K) (See Table K) (See Table K)	§141.0(b)2L (See Table N)         (NACS)         (NACS)            =         431.88         ≥         125         COMPLIES	lag luminaire*	aeterminea	<u>\$130.2(b)</u> <sup>4</sup> Pass Fail	Area Description     Shut-Off       §130.2(c)1	Auto-Schedule <u>§130.2(c)2</u>	Motion Sensor Field Inspector <u>§130.2(c)3</u> Pass Fail	
O1     O2       Image: Market Consists of:     02	Cutoff Compliance (See Table G for Details) Controls Compliance (See Table H for Details)	N/A COMPLIES	P 25.0w LED Wall Light Linear 25	CEC Default 5 New Total Design Watts:	lumens	Bldg. Exterior Astronomical Timer * NOTES: Controls with a * require a note in the space below explaining how compliance		Pass     Fall       NA: Facade, etc. <=24 ft	
Altered Lighting System       Is your alteration increasing the connected lighting load (Watts)?       Yes       No         03       04       05	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in table	es throughout the form	* NOTES: Selections with a * require a note in the space below explaining how com EX: Luminaire is lighting a statue; EXCEPTION 2 to <u>§130.2(b)</u> <sup>1</sup> FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to com	nfirm wattage used for compliance per <u>§130.0(c)</u>		EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to <u>\$130.2(c)</u>			
% of Existing Luminaires Being Altered <sup>1</sup> Sum Total of Luminaires Being Added or Altered       Calculation Method $\bigcirc$ < 10%	E. ADDITIONAL REMARKS		<sup>2</sup> For linear luminaires, wattage should be indicated as W/lf instead of Watts/lumin <sup>3</sup> Select "New" for new luminaires in a new outdoor lighting project, or for added lu for existing luminaires within the project scope that are not being altered and are re	uminaires in an alteration. Select "Altered" for replacement luminaires in	n an alteration. Select "Existing to Remain"				
Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires. <sup>1</sup> 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.	This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.		the project scope. <sup>4</sup> Compliance with mandatory cutoff requirements is required for luminaires with in 	nitial lumen output >= 6,200 unless exempted by <u>§130.2(b)</u>					
			G. CUTOFF REQUIREMENTS (BUG) This section does not apply to this project.						
Registration Number: Registration Date/Time: Registration Provider: Energy	oft Registration Number: Registration Date/	Time: Registration Provider: Energysoft	Registration Number:	Registration Date/Time:	Registration Provider: Energysoft	Registration Number:	Registration Date/Time:	Registration Provider: Energysoft	
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2020-07-20 11:42 Schema Version: rev 20190401	08 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 20 Schema Version: r		CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20190401	Report Generated: 2020-07-20 11:42:08	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20190401	Report Generated: 2020-07-20 11:42:08	
state of california Outdoor Lighting	state of california Outdoor Lighting		state of california Outdoor Lighting						
NRCC-LTO-E CALIFORNIA ENERGY COMMISS CERTIFICATE OF COMPLIANCE Project Name: Environmental Compliance Center Office/Storage Building Report Page: (Page 5	O-E CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTO-E age: (Page 6 of 7)	NRCC-LTO-E CERTIFICATE OF COMPLIANCE Project Name: Environmental Compliance Center Offi	fice/Storage Building Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTO-E (Page 7 of 7)				
Project Address: 310 S. West Ave. Date Prepared: 7/20/	Project Address: 310 S. West Ave. Date Pre		Project Address:	310 S. West Ave. Date Prepared:	7/20/2020				
I. LIGHTING POWER ALLOWANCE (per §140.7)         This table includes areas using allowance calculations per §140.7. General Hardscape       01         Allowance is per Table 140.7. A with a "lue is the leap b" Allowance are per Table 140.7. B	N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project.		DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accur	· ·					
Allowance is per <u>Table 140-7-A</u> while "Use it or lose it" Allowances are per <u>Table 140-7-B</u> . 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 Allowance 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		en changed by permit applicant, an explanation should be included in Table 5	Documentation Author Name: C. Scott Davidson Company:	Documentation Author Signature: Signature Date:					
it or lose it" allowance. Table I (below) Table J Table K Table L Area Table I (below) Table J Table K Table L Table M Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)	Selections have been made based on information provided in this document. If any selection have been Additional Remarks. These documents must be provided to the building inspector during construction https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Doc	and can be found online at cuments/NRCI/	Hardin-Davidson Engineering Address: 356 Pollasky Ave., Suite 200	CEA/ HERS Certification Identification (if applicable): E17850					
This section does not apply to this project.         Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)         02       03       04       05       06       07       08       9       10	Yes No Form/Title  NRCI-LTO-01-E - Must be submitted for all buildings	Field Inspector       Pass     Fail       Image: Contract of the second	City/State/Zip: Clovis CA 93612	Phone: 559-323-4995					
Area Wattage Allowance (AWA) Area Wattage Allowance (AWA) Area Description Surface Type Illuminated Allowed Area Allowance Perimeter Allowed Linear AWA + UV	al NRCI-LTO-02-E- Must be submitted for a lighting control system, or for an E recognized for compliance.	nergy Management Control System (EMCS), to be	RESPONSIBLE PERSON'S DECLARATION STATEMENT Lectify 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 resp		of Compliance (responsible designed)				
Area Description     Surface Type     Illuminated     Allowed     Area Allowance     Perimeter     Allowed     Allowed     AWA + LM       Walkway     Asphalt     1435     0.03     35.875     184     0.4     46     81.875	P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Selections have been made based on information provided in this document. If any selection have been		<ol> <li>The energy features and performance specifications, materials, components, and of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>The building design features or system design features identified on this Certifica</li> </ol>	d manufactured devices for the building design or system design identified on th ate of Compliance are consistent with the information provided on other applica	his Certificate of Compliance conform to the requirements				
Walkway     Asphalt     1435     0.03     35.8/5     184     0.4     46     81.8/5       Initial Wattage Allowance for Entire Site (Watts):       State General Hardscape Allowance (Watts):     350	Additional Remarks. These documents must be provided to the building inspector during construction Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html	and must be completed through an Acceptance Test Technician Certification	plans and specifications submitted to the enforcement agency for approval with 5. I will ensure that a completed signed copy of this Certificate of Compliance shall inspections. I understand that a completed signed copy of this Certificate of Com	this building permit application. I be made available with the building permit(s) issued for the building, and made available with the builder provides	e available to the enforcement agency for all applicable				
J. LIGHTING ALLOWANCE: PER APPLICATION	Yes No Form/Title NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls excep	Pass Fail	Responsible Designer Name: C. Scott Davidson Company: Hardia Davidson Engineering	Responsible Designer Signature: Date Signed: 2020-07-20					PROFESSION
This section does not apply to this project. K. LIGHTING ALLOWANCE: SALES FRONTAGE	luminaires.		Hardin-Davidson Engineering Address: 356 Pollasky Ave., Suite 200	2020-07-20 License: E17850					E GOTT DAVIDE ER
This section does not apply to this project.			City/State/Zip: Clovis CA 93612	Phone: (559) 323-4995					E17850 Hardin-Davidson Engineering
L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project.									356 Pollasky Ave. Suite 200
M. LIGHTING ALLOWANCE: PER SPECIFIC AREA         This section does not apply to this project.									Clovis, CA 93612 <i>OF</i> CALLFOR 559.323.4995 tel
Registration Number: Registration Date/Time: Registration Provider: Energy	oft Registration Number: Registration Date/	Time: Registration Provider: Energysoft	Registration Number:	Registration Date/Time:	Registration Provider: Energysoft				www.hardin-davidson.com
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2020-07-20 11:42 Schema Version: rev 20190401		19.1.003 Report Generated: 2020-07-20 11:42:08	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20190401	Report Generated: 2020-07-20 11:42:08				ARCHITECT: Tiana L. Perez, Architect California Licensed Architect No. C-38000
	I					]			Ren. 01-31-21 Fresho County Department of Public Works & Planning
									C -38000 Development Services and Capital Projects Division
									Fresno, California 93721
									OF CALT Office: (559) 600-4536 E-mail: tperez@fresnocountyca.gov
									Ducient
									Project:
									Fresno County Environmental Compliance Center
									Office / Storage Building
									Project Address: 310 S. West Avenue, Fresno CA 93706 APN: 458-060-72
									Issue Date: Project No. T90203 File Path: G:Capital \ Projects \ Building Numbers \ American
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				<u>KEYNOTES</u> O
				I. LIGHTING CONTROL PANEL: LITHONIA nLIGHT ARP PANEL. MOUNT ADJACENT TO POWER PANEL. CONNECT EXTERIOR LIGHTING POWER AND DIMMING CONDUCTORS.
				2. PROVIDE VIOLET & GRAY O-IOV DIMMING CONDUCTORS ALONG WITH POWER CONDUCTORS.
				21. 3/4" x 6 FT. HIGH FIRE RESISTANT PLYWOOD BACKBOARD. INSTALL OUTLETS AT 24" AFF AND 72" AFF WHERE SHOWN. MOUNT UTILITY MPOE, DATA, VOICE, INTRUSION, SPRINKLER MONITOR, AND LEAK DETECTION PANELS AT THIS BOARD.
				22. PROVIDE 12" COPPER COMMUNICATION BUS BAR ON STAND-OFFS, RUN #6 GREEN GROUND WIRE TO MAIN PANEL GEC.
				23. NETWORK ELECTRONICS CABINET. 24. MOUNT ANNUNCIATORS FOR LEAK DETECTION EQUIPMENT AT THIS WALL.
				25. PROVIDE STEEL CABINET WITH HINGED DOOR AND MOUNT FLUSH IN WALL, 4" BELOW CEILING: HAMMOND #NIWFIO84, OR SIMILAR. INSTALL FUSING AND VALVE TRANSFORMER AT INTERIOR AND CONNECT LOW VOLTAGE
				CABLING TO SINK AND FLUSH VALVES. 26. SPRINKLER MONITOR PANEL AND LTE DIALER. PROVIDE 120V DEDICATED CIRCUIT AND INSTALL RED LOCK-ON DEVICE ON CIRCUIT BREAKER.
				CONNECT PIV TAMPER, RISER TAMPER, AND RISER FLOW SWITCHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING DRAWINGS, CALCULATIONS, AND CUT SHEETS, AND SUBMITTING THOSE TO THE AHJ TO
				OBTAIN PERMITS FOR THE SPRINKLER MONITOR SYSTEM. THE CONTRACTOR SHALL INCLUDE IN BID ALL WORK REQUIRED FOR THIS SYSTEM.
				<ol> <li>27. MP J-BOX FOR FIRE SPRINKLER RISER BELL. CONNECT TO FLOW SWITCH AND RISER BELL ON NOTED POWER.</li> <li>28. WP J-BOX FOR FIRE SPRINKLER RISER TAMPER AND FLOW SWITCHES. RUN</li> </ol>
				3/4°C. TO SPRINKLER RISER PANEL. 29. CHASE DOWN WALL AND HOME RUN TO RESPECTIVE OUTDOOR UNIT FOR POWER PER MEG'R.
				30. HOMERUN VIA CONTROLS PER MECHANICAL DRAWINGS.
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	A-23/2	25		559.323.4995 tel www.hardin-davidson.com
	<b>N</b>	3		ARCHITECT: Tiana L. Perez, Architect
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¢ (20		3		C -38000 Development Services and Capital Projects Division
₽ ₽ ₽ +24	PANEL 'A'	$\langle$		P       REN: 01-31-21       T       2220 Tulare Street, Eighth Floor         P       OF       CALIFOR       Fresno, California 93721         Office: (559) 600-4536       Office: (559) 600-4536
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				Fresno County Department of Public Works and Planning
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