

City of Oakley
ADDENDUM NO. 1 to contract documents for
CIP 255 – Cypress Grove Pump Station Project

BID OPENING DATE: November 15, 2022 2:00 PM

Notice is hereby given that the following clarifications and revisions are made to the above referenced contract documents:

Updates to the Plans and Specifications:

The following attached sheets have been updated for this addendum

Sheets:

A.1, A2.1, A3.1, S001, M0.1, E0.0, E2.0, E4.0, E5.0, E5.1, E6.0, E6.1

All bidders shall acknowledge receipt and acceptance of Addendum No. 1 by signing in the space provided at the end of this Addendum and submitting the signed addendum with their proposal.

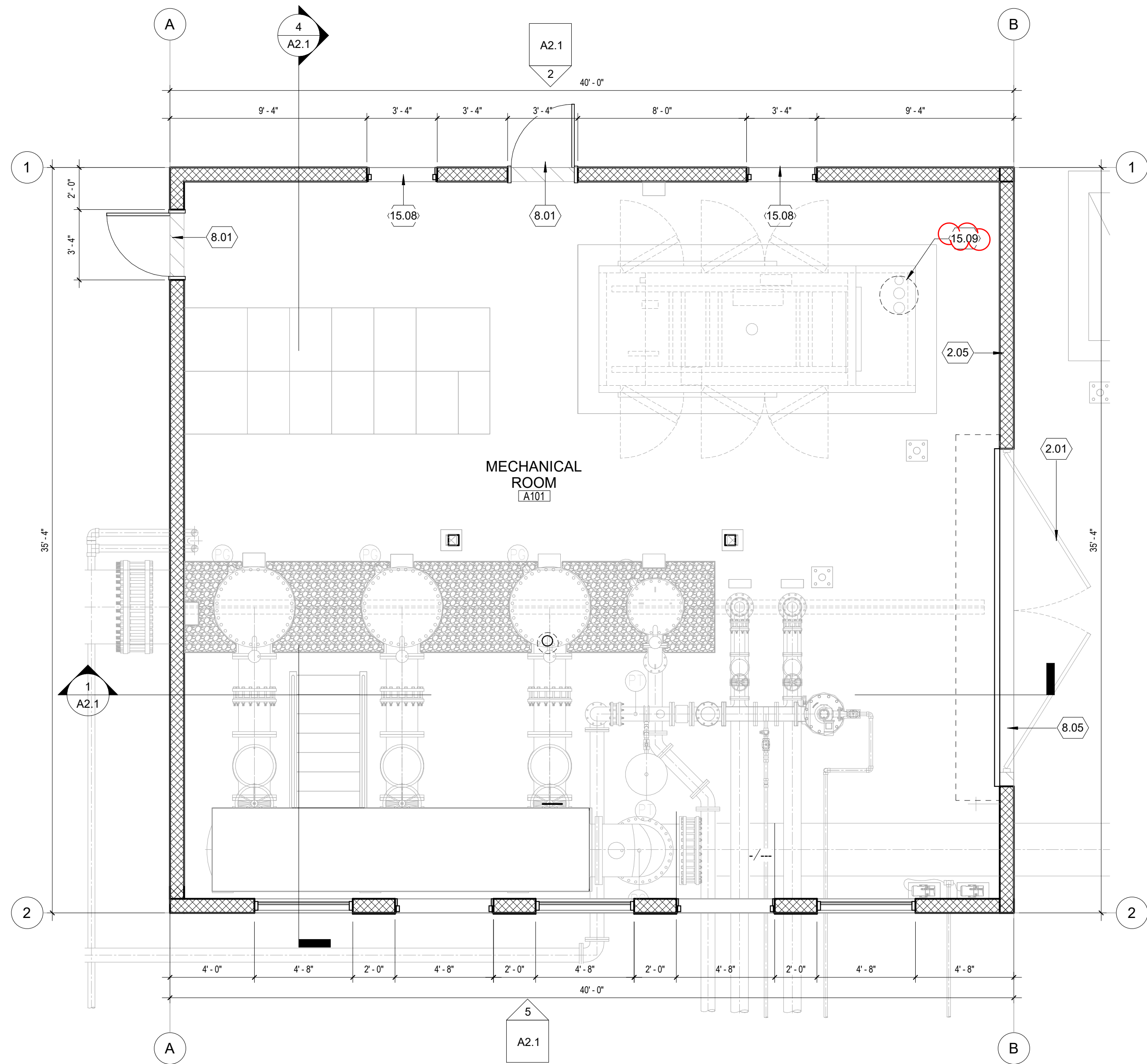


Jason Kabalin
Capital Projects Engineer
November 7, 2022

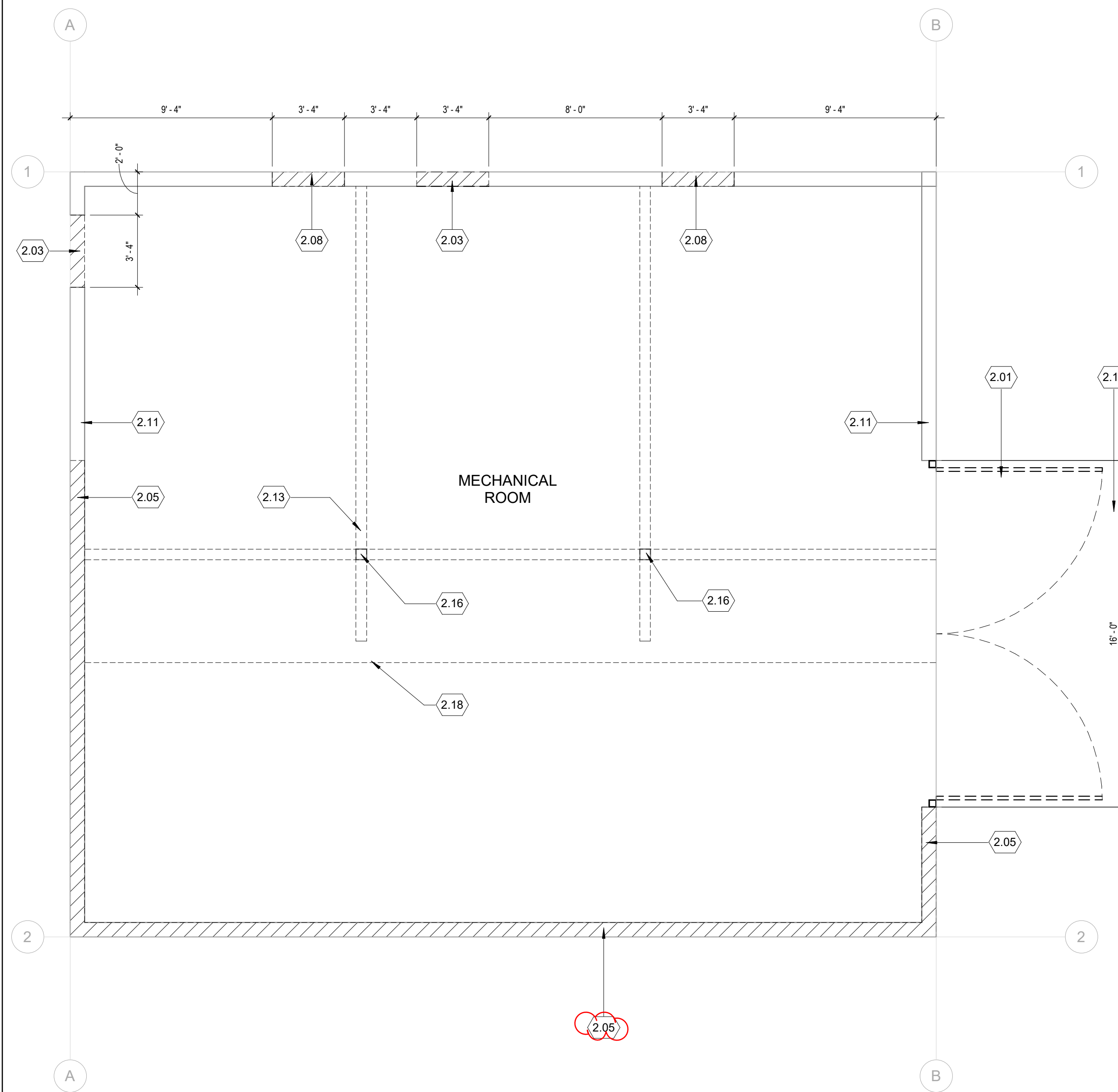
Contractor Signature

Date

Company Name



REMODEL FLOOR PLAN 2
1/4" = 1'-0"



DEMOLITION FLOOR PLAN 1
1/4" = 1'-0"

KEYNOTES

- | NO. | Note - Detail |
|-------|---|
| 2.01 | REMOVE (E) METAL GATES. INSTALL NEW METAL ROLL-UP DOOR |
| 2.03 | PROVIDE NEW DOOR OPENING |
| 2.05 | (E) CMU WALL TO REMAIN. (N) CMU WALL TO BE CONSTRUCTED ABOVE |
| 2.08 | PROVIDE 3'-4" X 3'-4" OPENING FOR EXHAUST FAN |
| 2.11 | (E) CMU WALL TO REMAIN |
| 2.13 | (E) STEEL STRUCTURE TO REMAIN |
| 2.14 | (E) CONCRETE TO REMAIN |
| 2.16 | (E) COLUMN TO REMAIN |
| 2.18 | (E) ROOF LINE ABOVE |
| 8.01 | 36" X 84" HOLLOW METAL DOOR & FRAME - PAINTED |
| 8.05 | METAL ROLL-UP DOOR - JANUS INTERNATIONAL MODEL 2500 |
| 15.08 | MAXX AIR 36-IN EXHAUST FAN - PROGRAM TO ACTIVATE WHEN GENERATOR IS ON |
| 15.09 | ROOF MOUNTED EXHAUST VENT |

BUILDING CODE ANALYSIS

OCCUPANCY CLASSIFICATION H-2
 CONSTRUCTION TYPE V-B
 OCC. SEPARATION REQUIRED NO
 AUTOMATIC SPRINKLER SYSTEM NO

ALLOWABLE AREA
 BASIC ALLOWABLE AREA (TABLE 503) 8,500 s.f.
 ACTUAL AREA PROPOSED BUILDING AREA: 1,413 s.f.

ALLOWABLE HEIGHT
 MAX. HEIGHT IN FT./STORIES 40'-0"/1
 (PER CBC TABLE 503 IN ACCORDANCE WITH SECTION 504.2)
 ACTUAL HEIGHT PROPOSED HEIGHT IN FT./STORIES 16'-8"

NOTE: BUILDING IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS AS PER CBC 11B-203.5

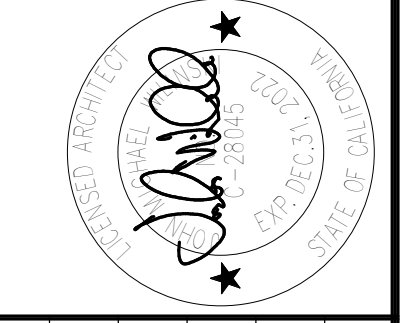
FLOOR PLAN NOTES

- ALL EXITS TO BE OPENABLE FROM INSIDE WITHOUT THE USE OF KEY AND/OR SPECIAL KNOWLEDGE OR EFFORT. U.N.O. SURFACE MOUNTED FLUSH OR SURFACE BOLTS ARE PROHIBITED.
- PAINT ALL STEEL COLUMNS, LADDERS, METAL DOORS AND FRAMES AND STEEL RAILS PER SPECS. COLORS BY OWNER.
- ALL INSULATION SHALL HAVE FLAME SPREAD RATE NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD NO. 42-1.
- PROVIDE 4'-0" HIGH ANGLE IRON DOOR GUARDS AT FLOOR OF EACH JAMB OF EACH OVERHEAD DOOR OPENING.
- PROVIDE EXTERIOR PLASTER OVER CMU BLOCK WALL. PLASTER TEXTURE TO MATCH EXISTING
- ALL LOUVERS AND VENTS ARE TO BE COVERED WITH AN EXPANDED STEEL MESH, MEDIUM GRADE THICKNESS OVER THE INTERIOR OF THE VENT. MESH COVERING SHALL BE INTEGRAL IN THE FRAME OF VENTS/LOUVERS.
- MAXIMUM ALLOWABLE NaOCL (CORROSIVE LIQUID) IN-USE STORAGE SHALL BE 500-LIQUID GALLONS PER CB TABLE 307.1(2)

NOTE:

ALL CONSTRUCTION SHALL CONFORM TO THE 2019 CALIFORNIA BUILDING, FIRE, MECHANICAL, PLUMBING, ELECTRICAL, ENERGY CODE AND GREEN BUILDING CODE.

NO.	BY	DATE	REVISIONS	DATE	APP.



PREPARED BY JIMMY	PROJECT ARCHITECT C-28045	SCALE As Indicated	DATE 06/01/22
EXP: 12.31.22	DRAWN BY SQ-1	DESIGNED BY SQ-1	CHECKED BY JIMMY

TITLE
FLOOR PLAN

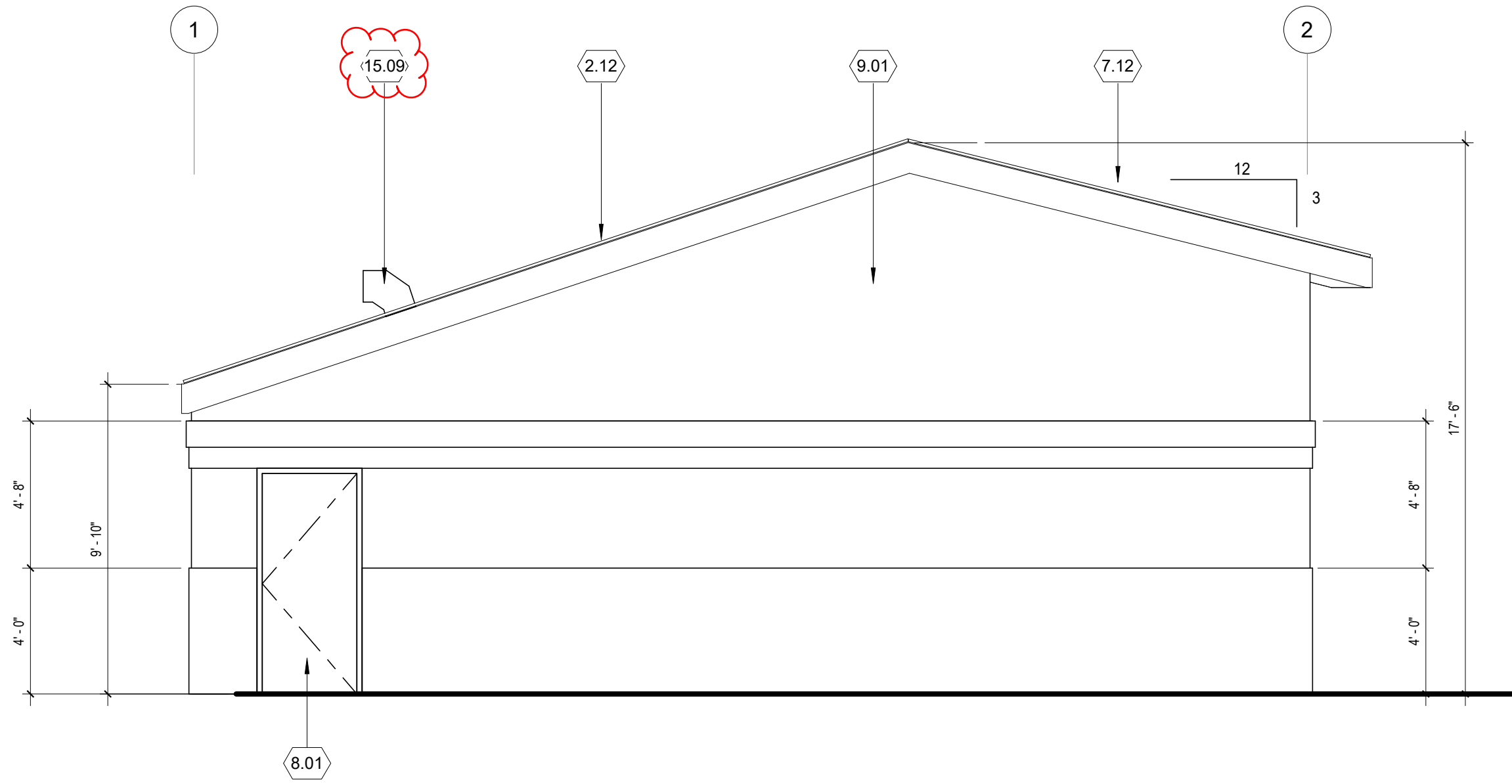
JOB
CYPRESS GROVE WATER PUMP STATION
OAKLEY CA.



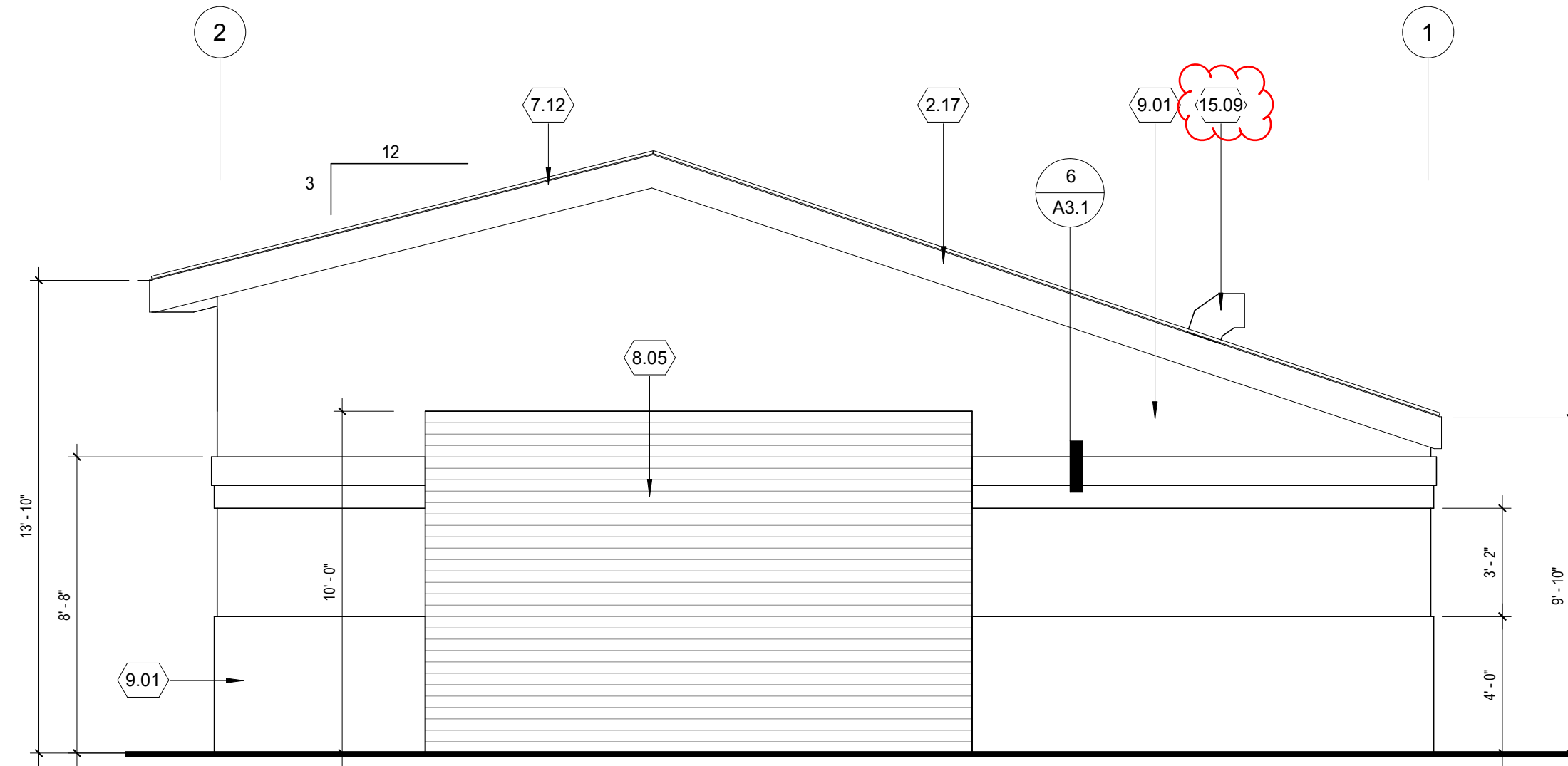
100% PLAN SET. ISSUED FOR REVIEW

SHEET
A1.1
OF SHEETS

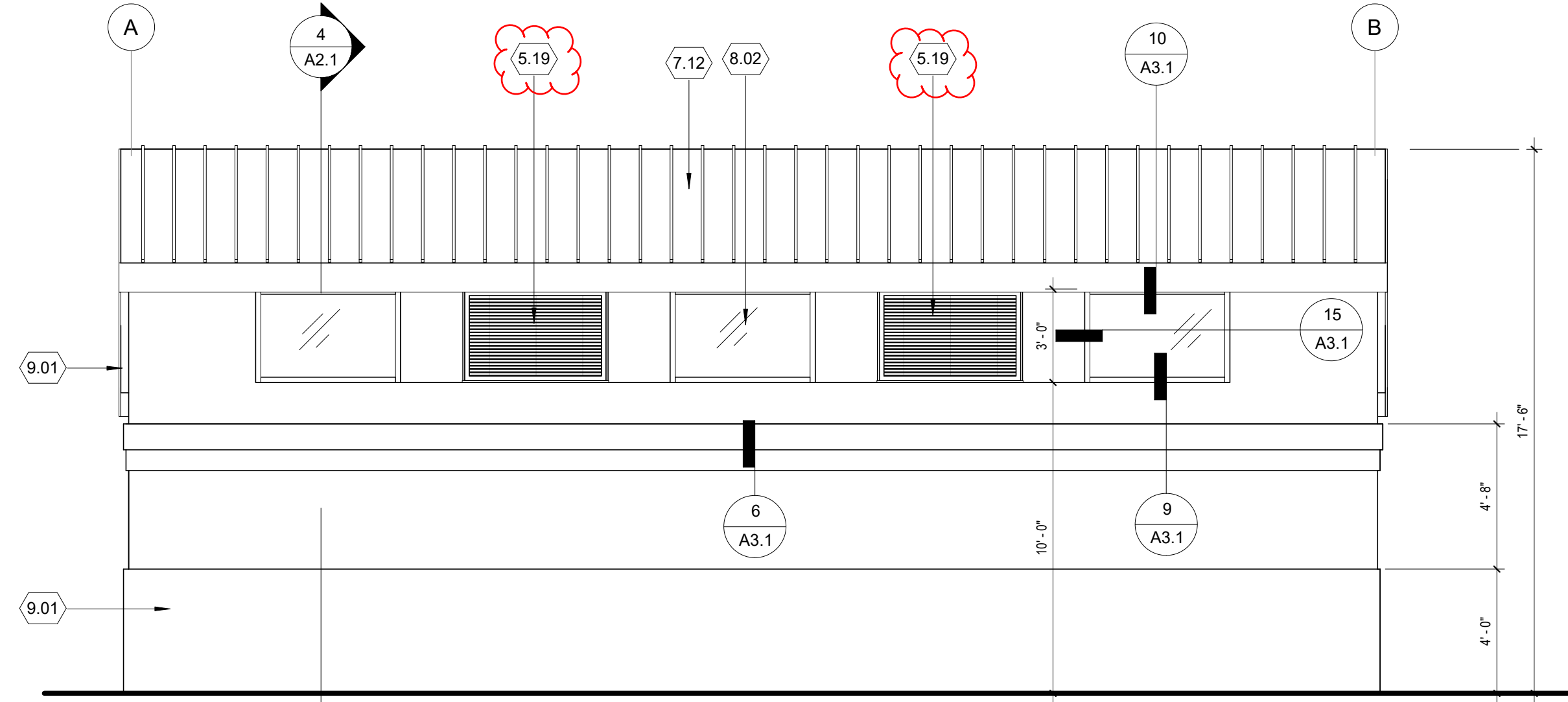
JOB NO 7861-E



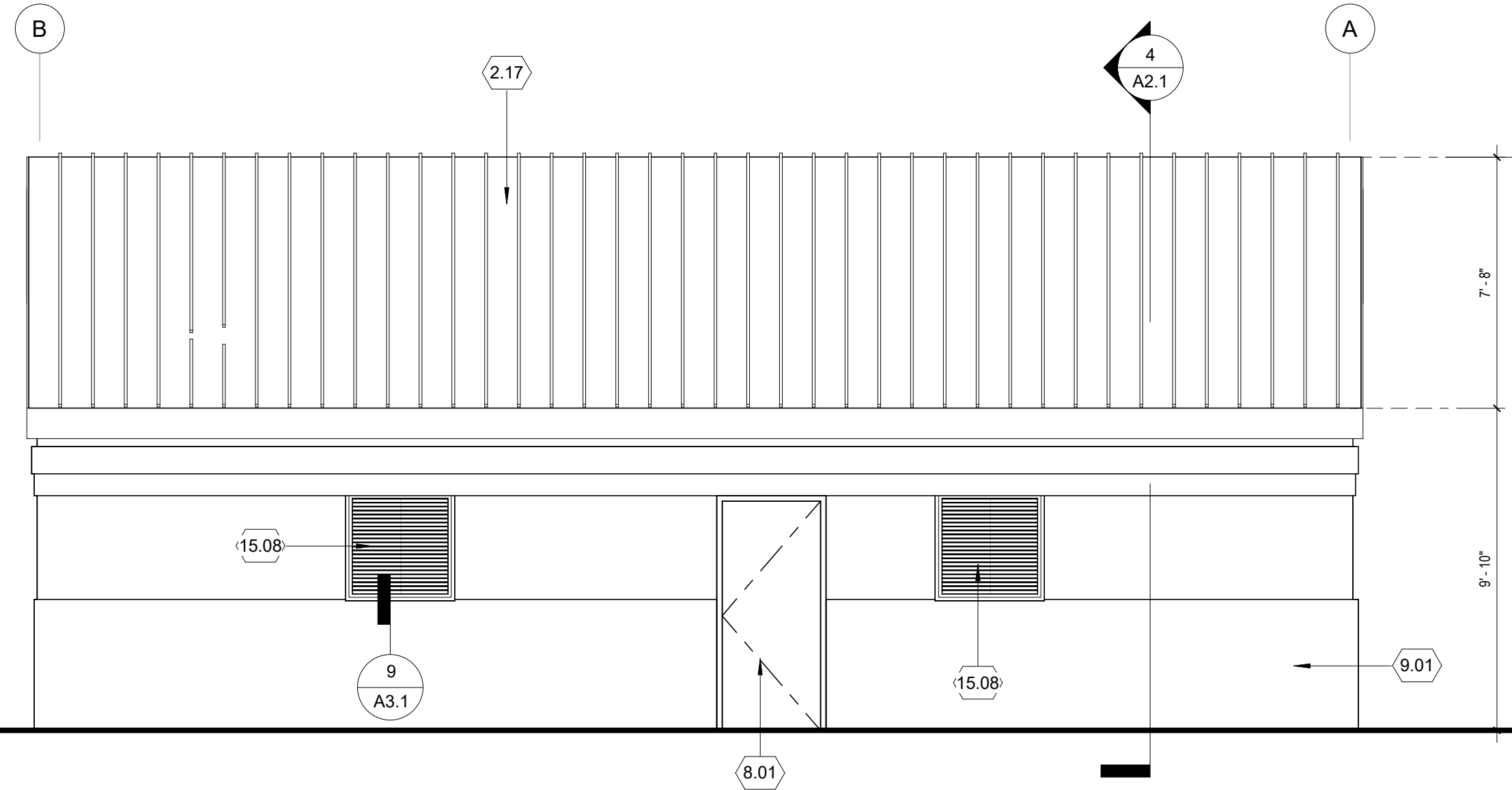
WEST ELEVATION 6
1/4" = 1'-0"



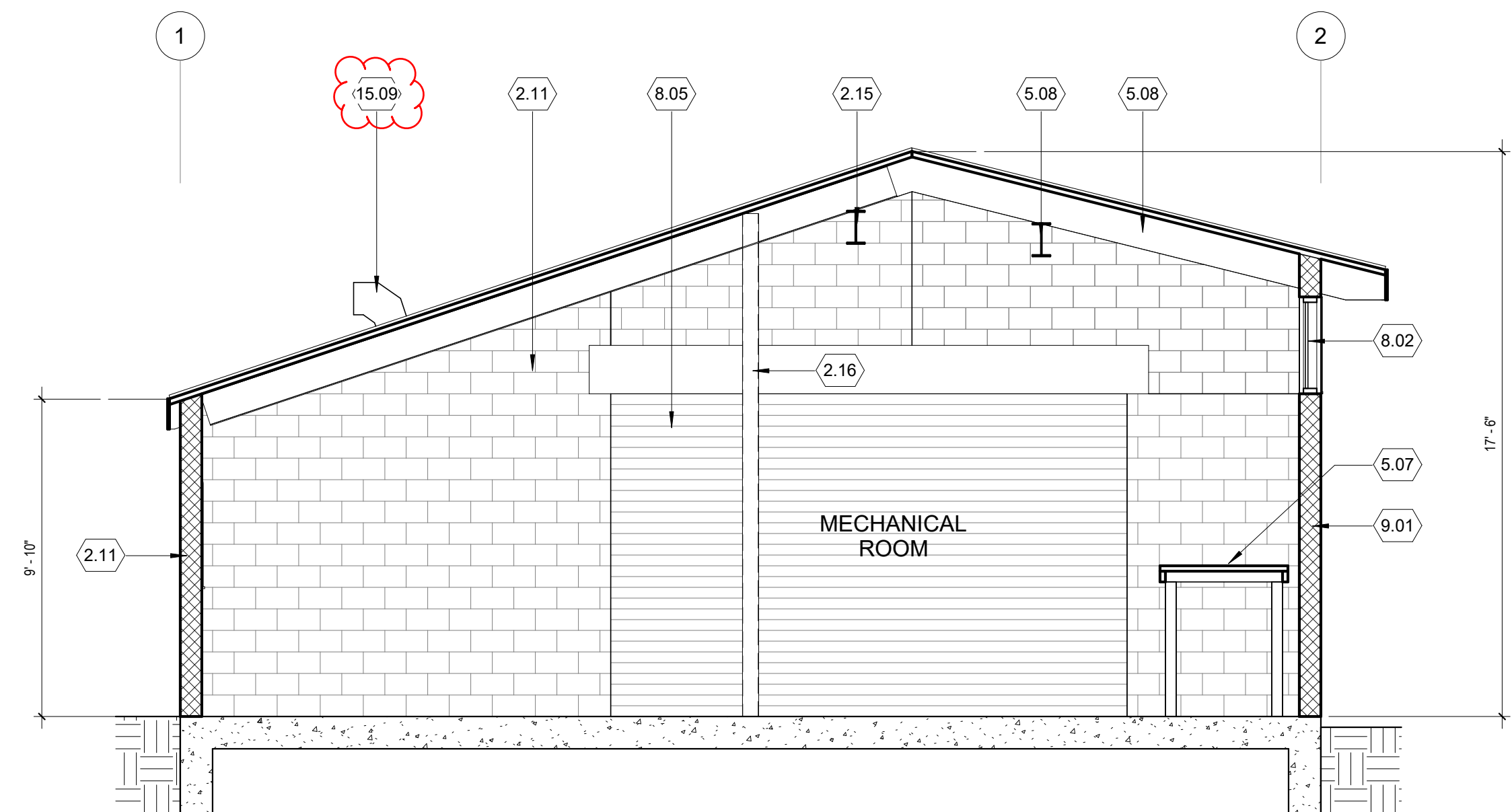
EAST ELEVATION 3
1/4" = 1'-0"



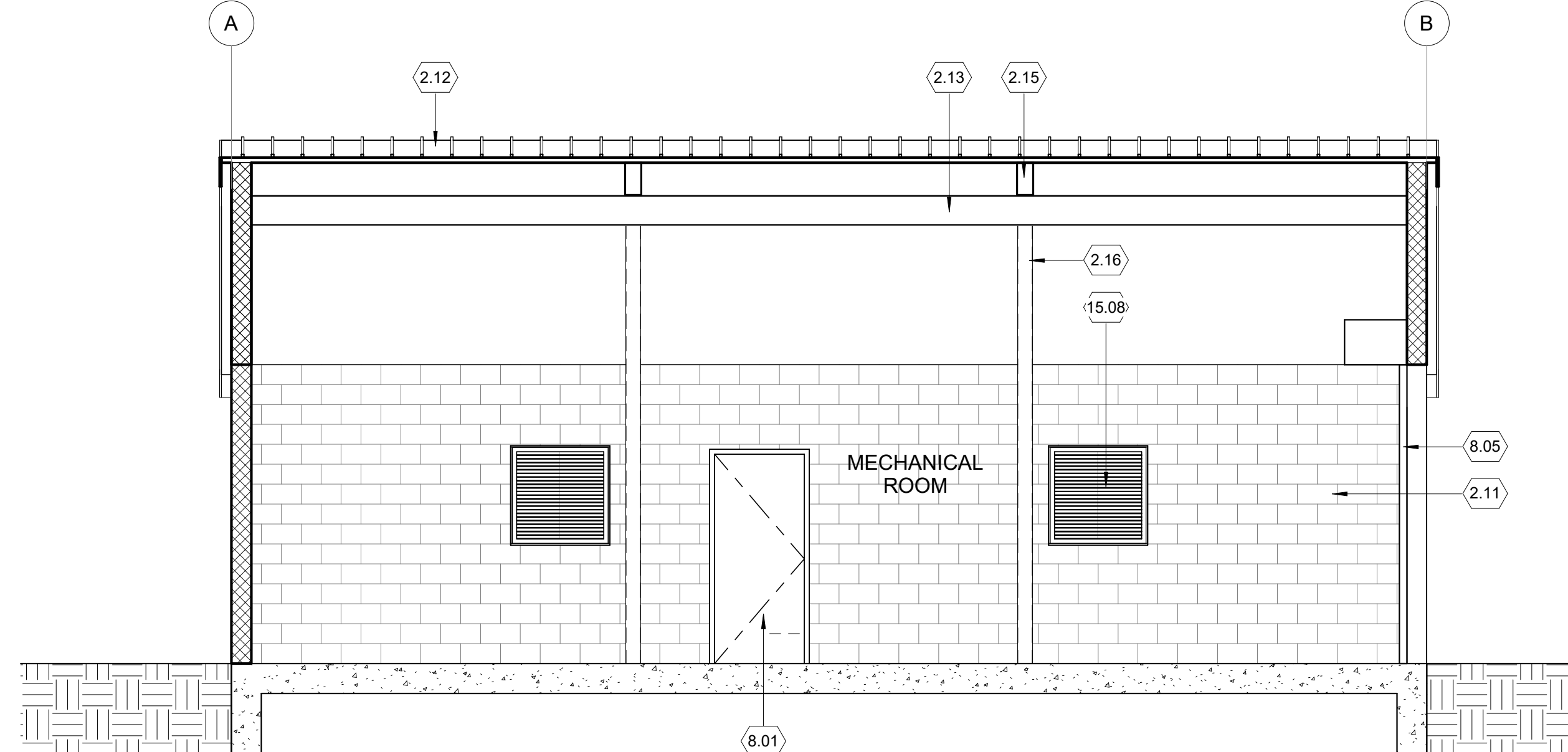
SOUTH ELEVATION 5
1/4" = 1'-0"



NORTH ELEVATION 2
1/4" = 1'-0"



BUILDING SECTION - A 4
1/4" = 1'-0"

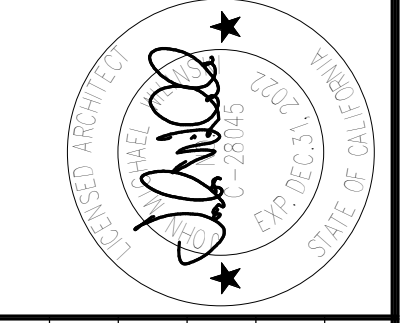


BUILDING SECTION - B 1
1/4" = 1'-0"

KEYNOTES

- NO.** **Note - Detail**
- 2.11 (E) CMU WALL TO REMAIN
 - 2.12 (E) METAL ROOF TO REMAIN
 - 2.13 (E) STEEL STRUCTURE TO REMAIN
 - 2.15 (E) BEAM TO REMAIN
 - 2.16 (E) COLUMN TO REMAIN
 - 2.17 (E) STANDING SEAM METAL ROOF TO REMAIN
 - 5.07 STEEL PLATFORM
 - 5.08 (N) STEEL BEAM PER STRUCT.
 - 5.19 FIXED LOUVERS
 - 7.12 (N) STANDING SEAM MTL ROOF
 - 8.01 36" X 84" HOLLOW MTL DOOR & FRAME - PAINTED
 - 8.02 ALUM WINDOW SYSTEM
 - 8.05 METAL ROLL-UP DOOR - JANUS INTERNATIONAL MODEL 2500
 - 9.01 EXTERIOR PLASTER OVER CMU BLOCK - PAINTED
 - 15.08 MAXX AIR 36-IN EXHAUST FAN - PROGRAM TO ACTIVATE WHEN GENERATOR IS ON
 - 15.09 ROOF MOUNTED EXHAUST VENT

NO.	BY	DATE	REVISIONS	DATE	APP



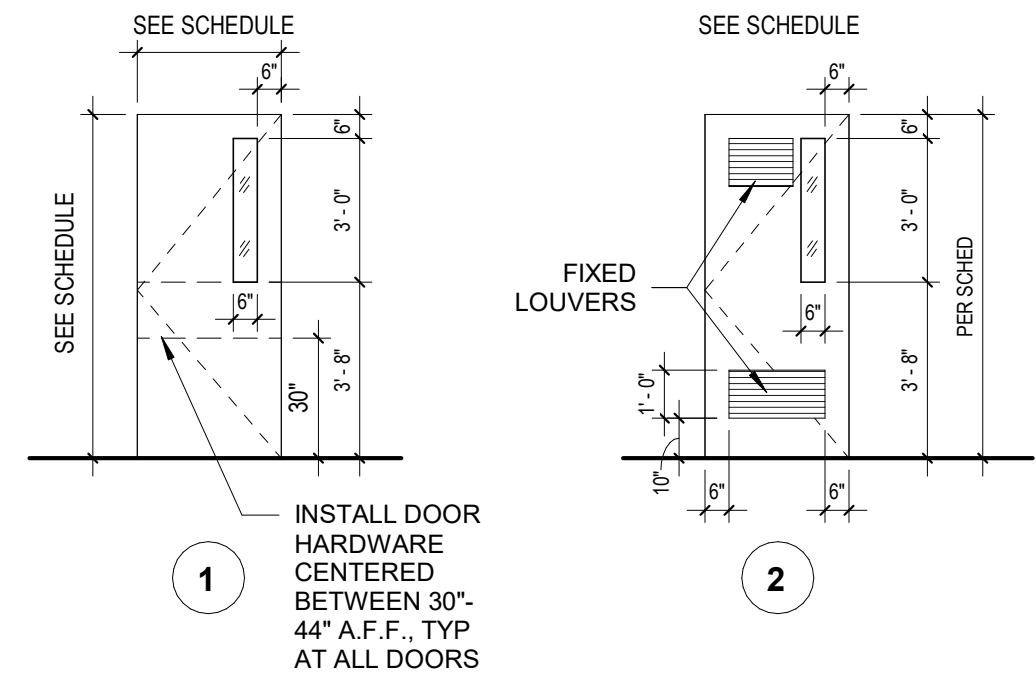
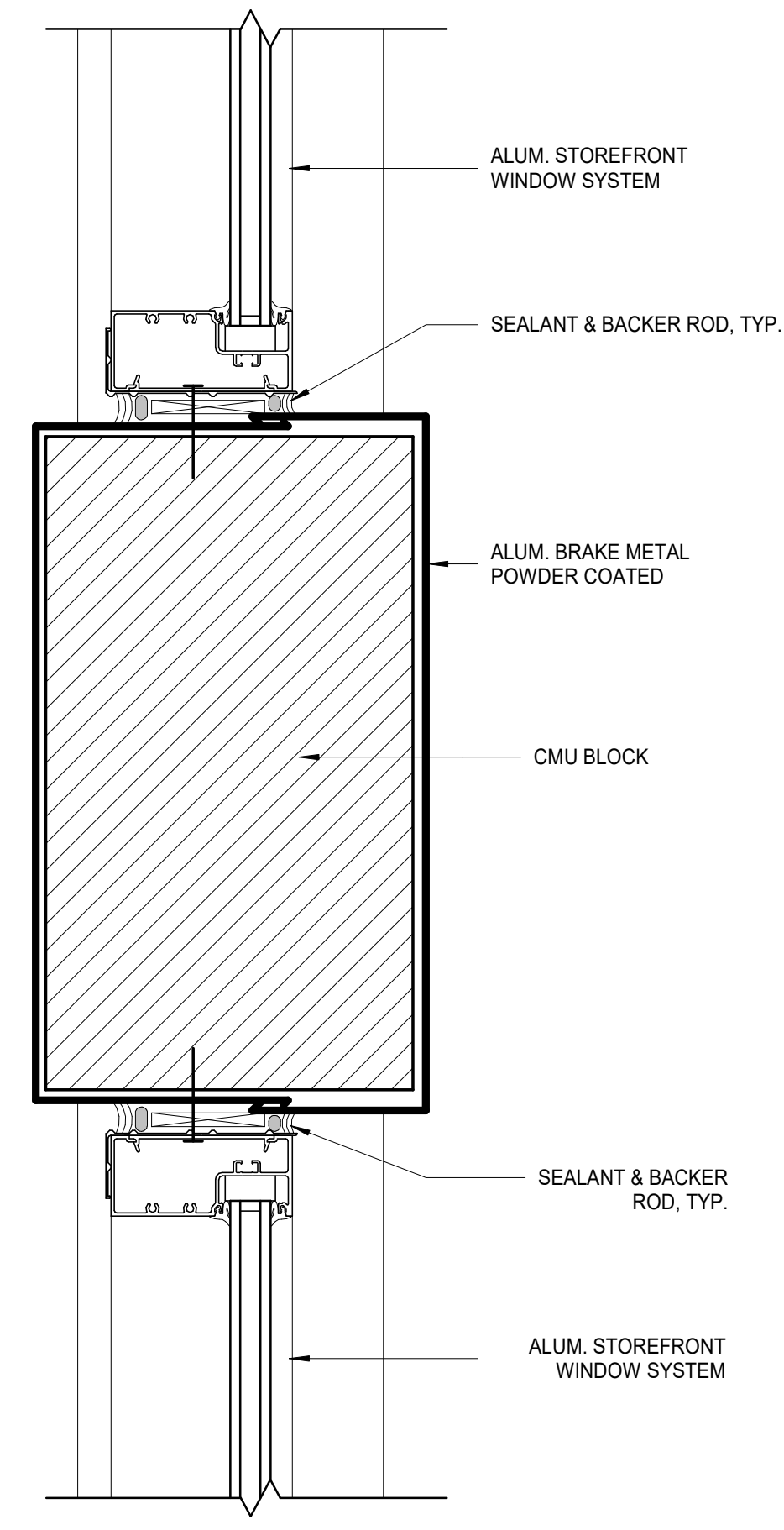
PREPARED BY SQ-1	PROJECT ARCHITECT C-28045	EXP: 12.31.22	SCALE 1/4" = 1'-0"	DATE 06.01.22
DRAWN BY SQ-1	DESIGNED BY SQ-1	CHECKED BY SQ-1		

TITLE
ELEVATIONS & SECTIONS

JOB
CYPRESS GROVE WATER PUMP STATION
OAKLEY CA.



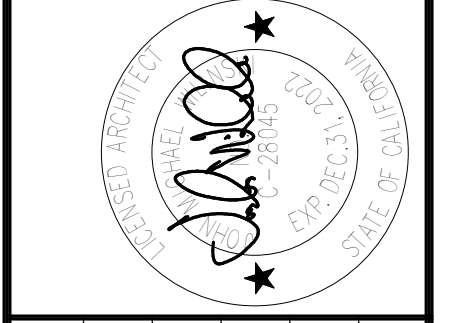
AUTHORIZED PERSONNEL ONLY
WARNING !!
 STAY CLEAR OF BUILDING AND CONTACT OAKLEY PD AT XXX-XXX OR PUBLIC WORKS AT XXX-XXX



DOOR SCHEDULE										
#	DOOR			FRAME			DETAILS [A4.1]			REMARKS
	SIZE	TYPE	MAT	FIN	TYPE	MAT	FIN	HEAD	JAMB	
101D	15'-4"	10'-0"	6							
101E	18'-0"	10'-0"	7							
101F	3'-0"	7'-0"	1							
101H	3'-0"	7'-0"	1							

* SOUND RATING: PROVIDE SOUND CONTROL DOOR ASSEMBLIES EQUAL TO THOSE OF ASSEMBLIES TESTED AS SOUND RETARDANT UNITS BY AN ACOUSTICAL TESTING AGENCY, AND HAVE THE MINIMUM RATING OF STC-45

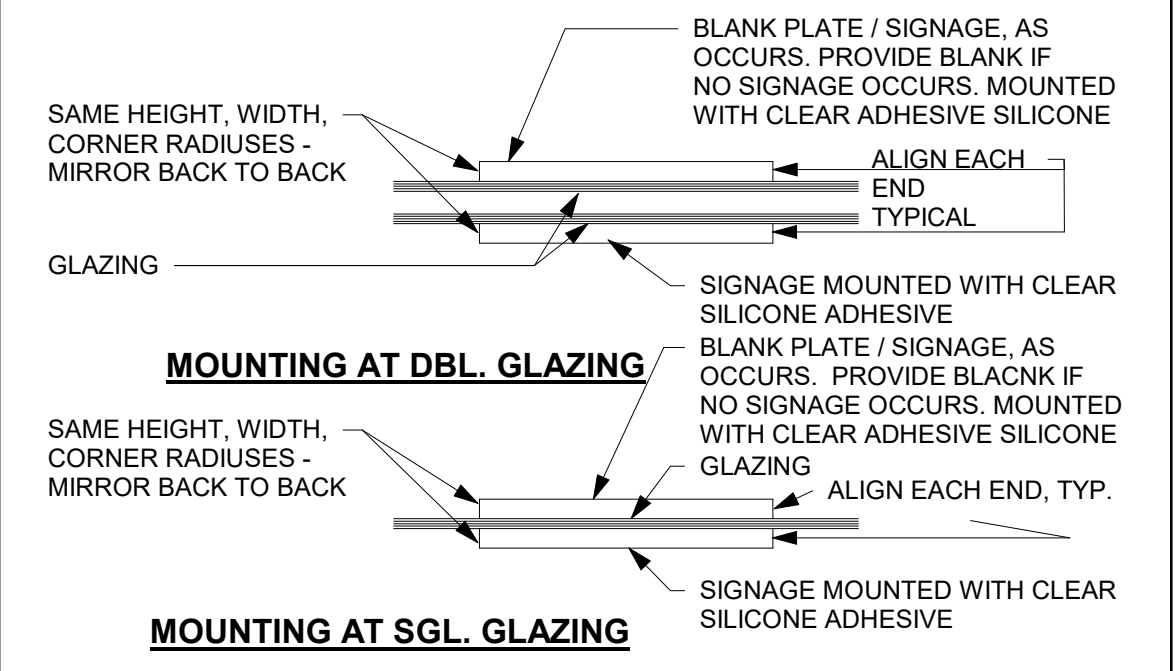
- DOOR & WINDOW NOTES**
- ALL EXITS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEY AND/OR SPECIAL KNOWLEDGE (U.N.O.). MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED.
 - PAINT STEEL DOORS AND FRAMES WITH ONE (1) COAT RUST INHIBITING PRIMER AND ONE (1) COAT SEMI-GLOSS ALKYL ENAMEL.
 - ALL DOOR HARDWARE TO BE AL SERIES "SCHLAGE" LEVER TYPE WITH FINISH PER OWNER'S DIRECTION. VERIFY KEYING WITH OWNER.
 - PROVIDE DOOR STOPS AS REQUIRED AT FLOOR AND/OR WALL.
 - ALL DOORS TO BE MASTER KEYPED. VERIFY KEYING WITH OWNER.
 - ALL THRESHOLDS TO BE MAXIMUM HEIGHT OF 1/2".
 - DOOR LOCK AND LATCHES SHALL COMPLY WITH CBC SECTION 1004.3 AND ADA.
 - THE AUTHORITY HAVING JURISDICTION MAY INCREASE THE MAXIMUM EFFORT TO OPERATE FIRE DOORS IN ORDER TO ACHIEVE POSITIVE LATCHING, BUT NOT EXCEEDING THE 15 LB MAX.
 - MAXIMUM EFFORT TO OPERATE EXTERIOR DOORS IS 5 LBS.
 - HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" A.F.F.



PREPARED BY: SQ-1
 PROJECT ARCHITECT: C-28045
 EXP: 12.31.22
 DRAWN BY: SQ-1
 SCALE: As Indicated
 DESIGNED BY: SQ-1
 CHECKED BY: SQ-1
 DATE: 06/01/22

- FINISH LIST**
- ABBREVIATIONS:
- MATERIAL**
 HM - HOLLOW METAL
 AL - ALUMINUM
 SCW - SOLID CORE WOOD
- FINISH**
 P-1 - PAINT
 A-1 - CLEAR ANODIZED ALUMINUM
 S-1 - STAIN
- GLAZING**
 EXT. - DUAL PANE, INSULATING - FIXED SOLAR COOL BRONZE GLASS
 INT. - SINGLE PANE, CLEAR, TEMPERED

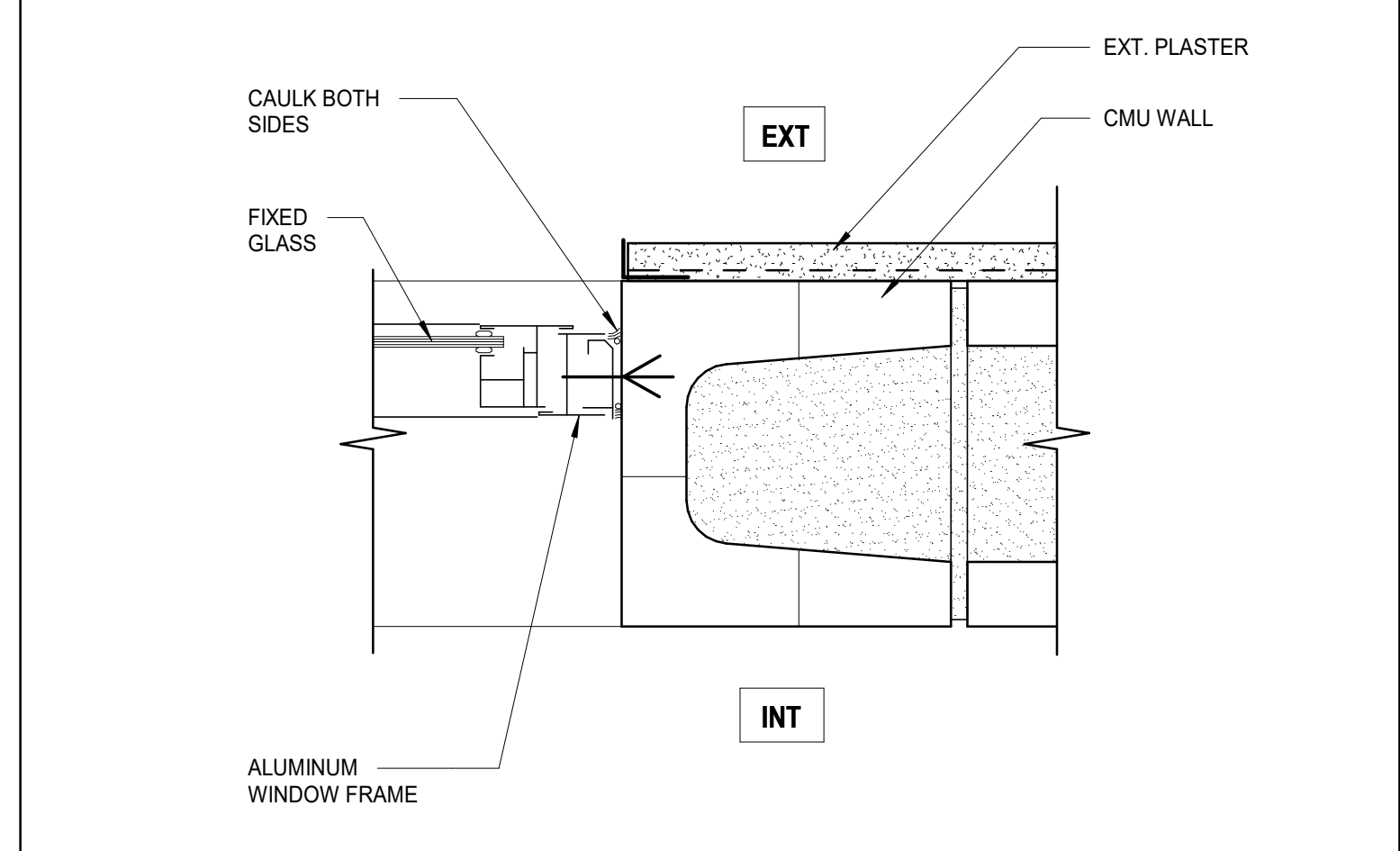
AUTHORIZED PERSONNEL ONLY SIGN 20
 1 1/2" = 1'-0"



ROOM IDENTIFICATION SIGN MOUNTING 19
 3" = 1'-0"

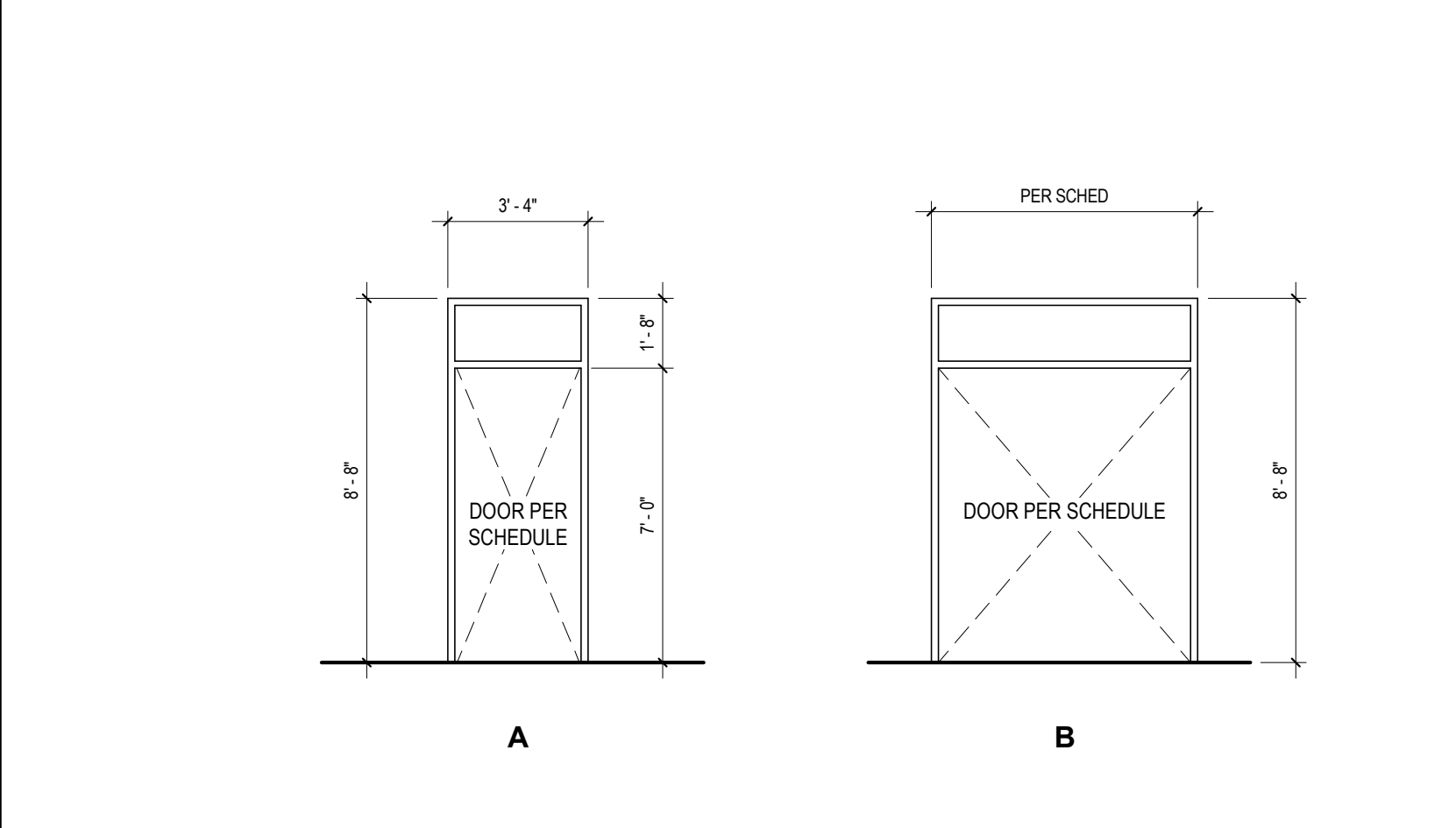
ALUM. WINDOW AT MTL LOUVERS 15
 3" = 1'-0"

DOOR TYPES 12
 1/4" = 1'-0"

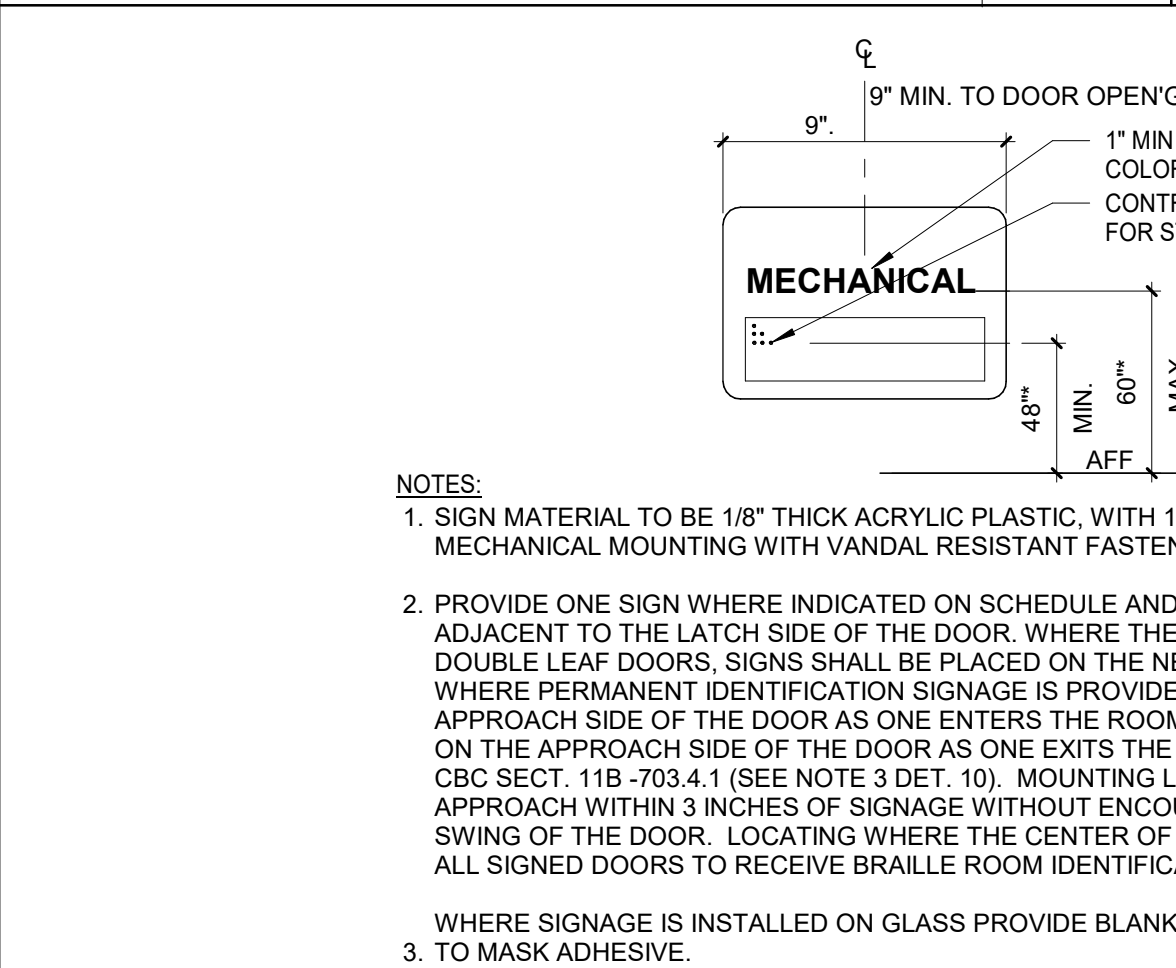


ALUMINUM WINDOW JAMB 7
 3" = 1'-0"

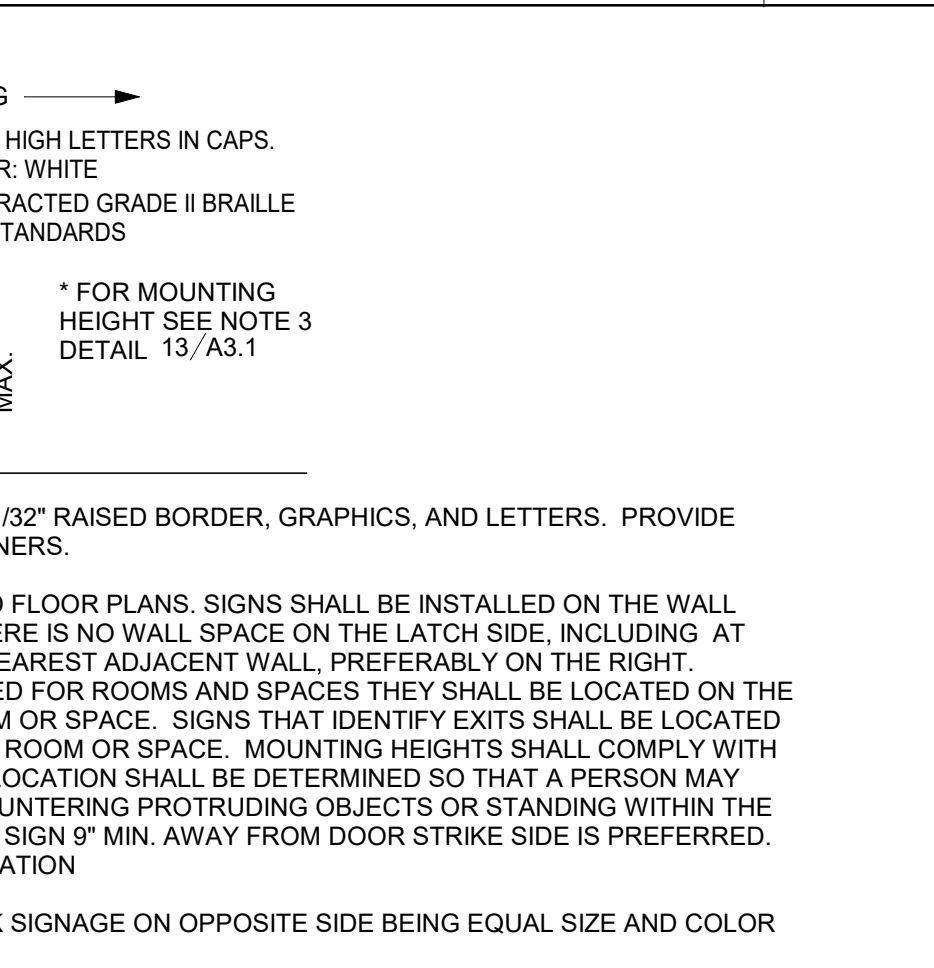
DOOR SCHEDULE 4



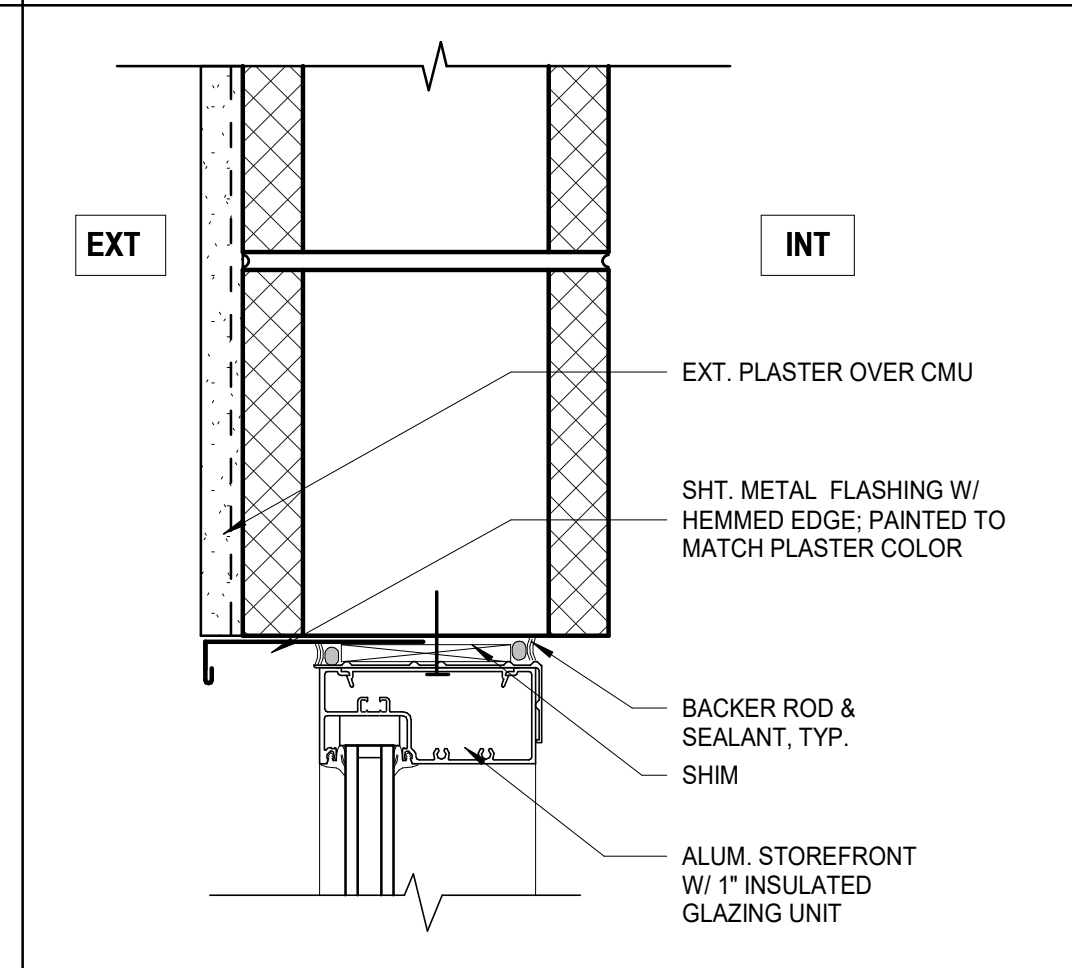
DOOR FRAME TYPES 5
 1/4" = 1'-0"



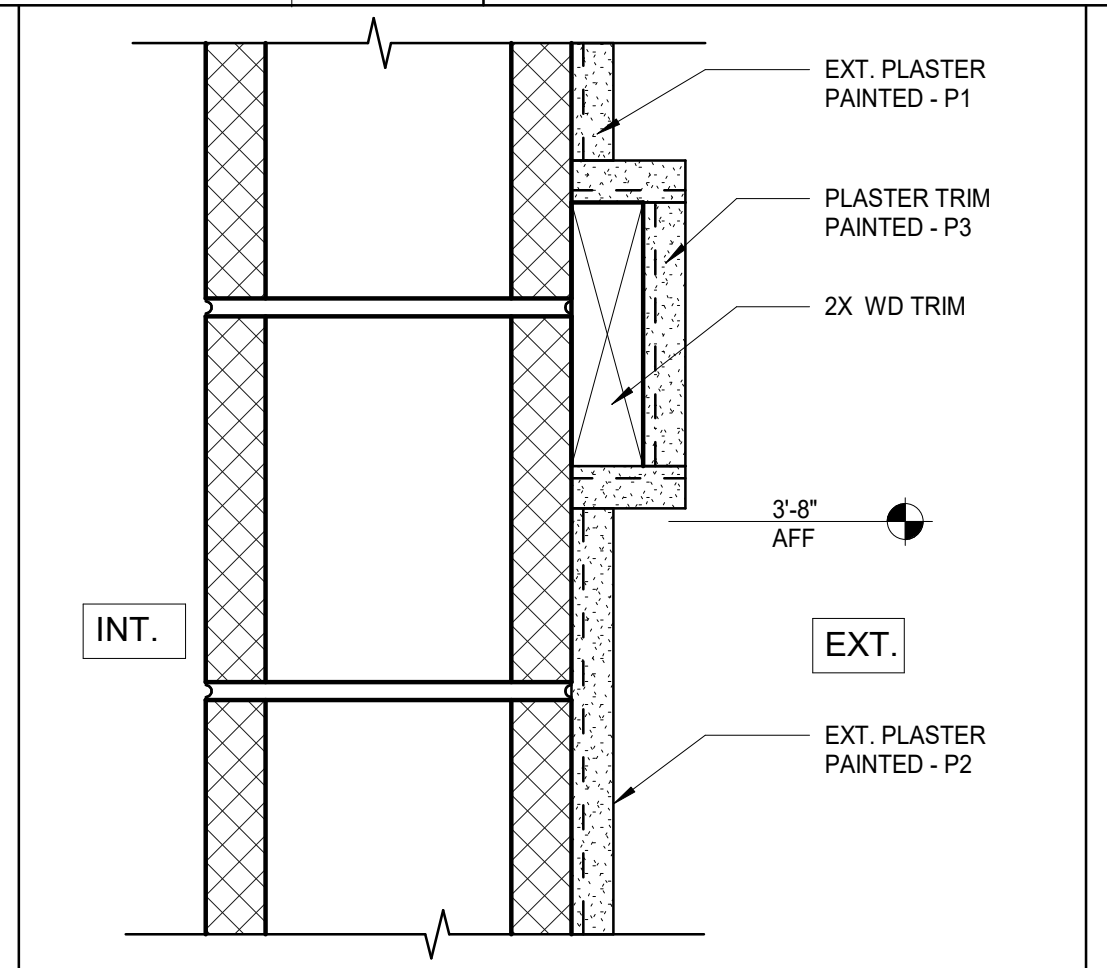
TACTILE ROOM IDENTIFICATION 14
 N.T.S.



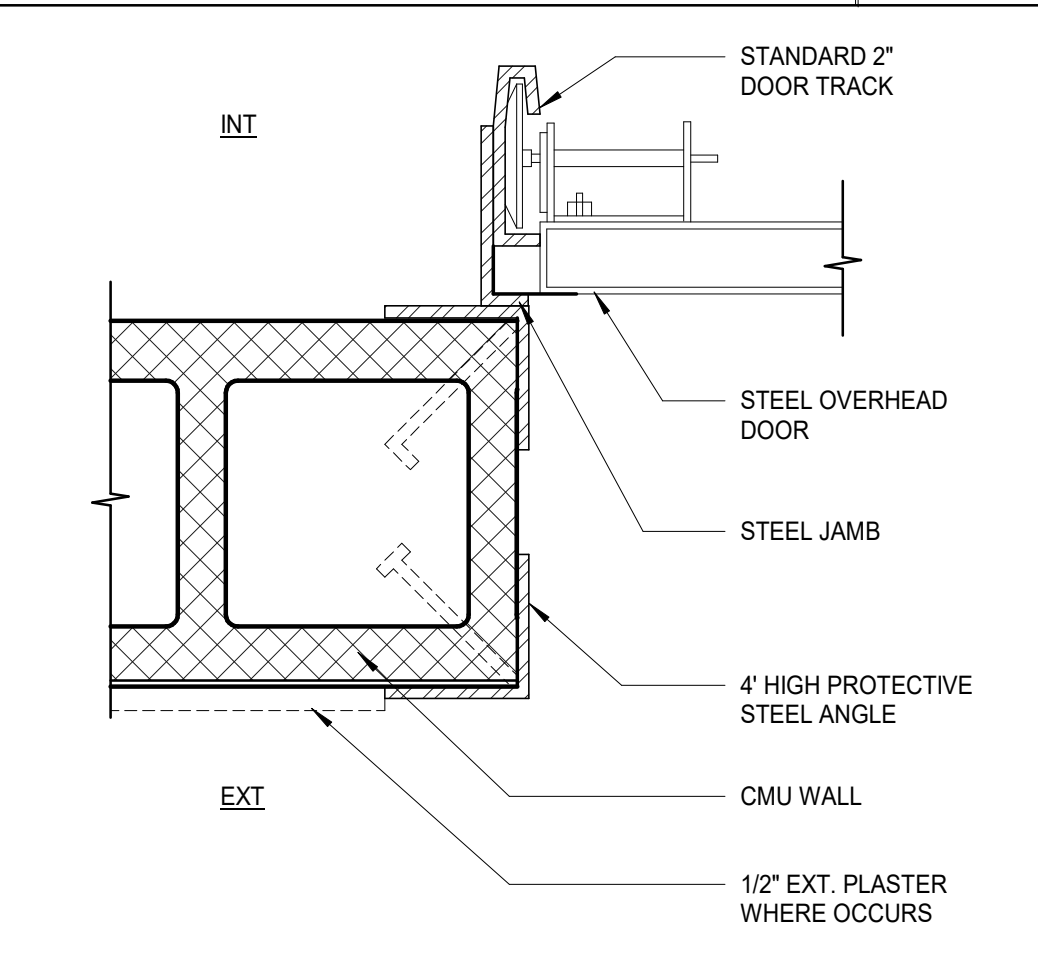
STOREFRONT HEAD @ CMU 10
 3" = 1'-0"



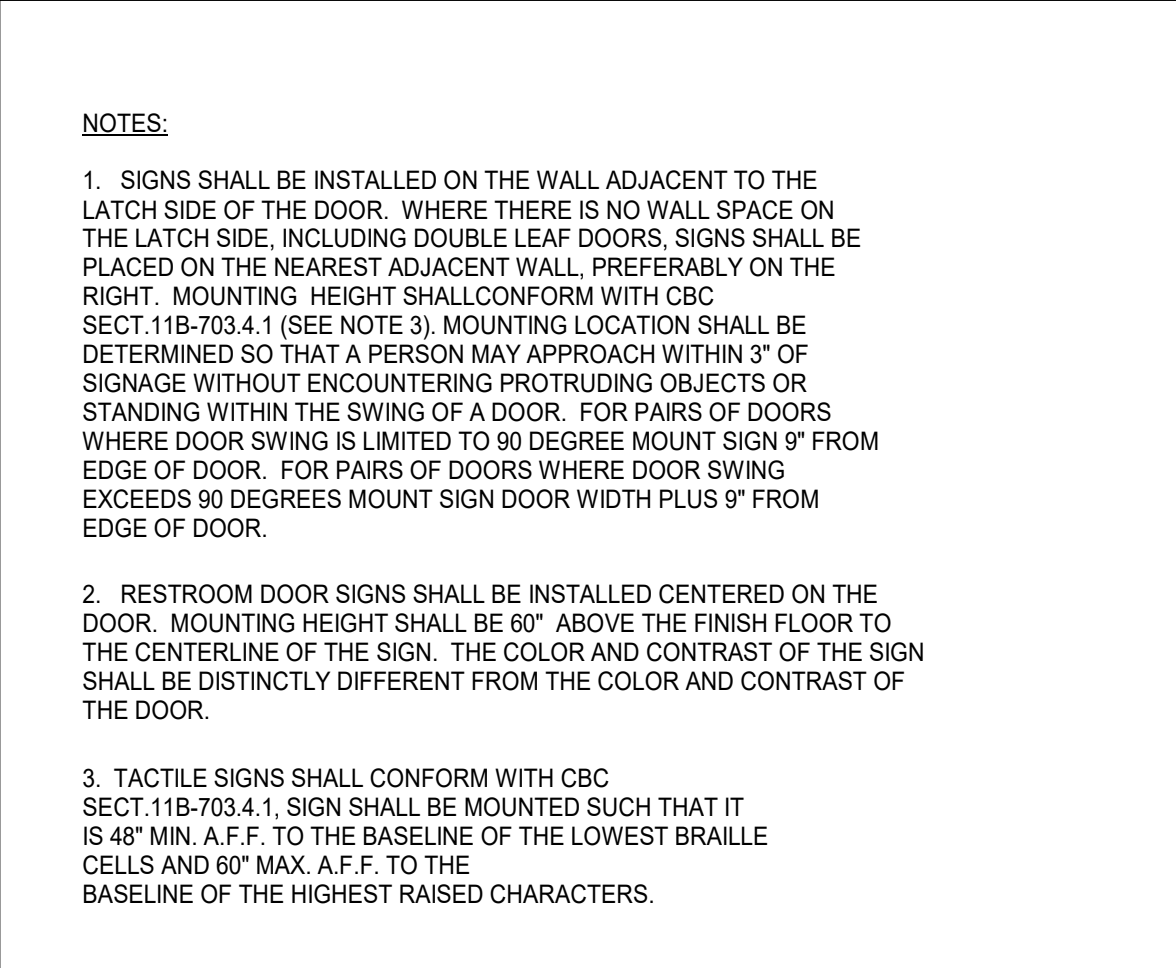
PLASTER TRIM AT CMU 6
 3" = 1'-0"



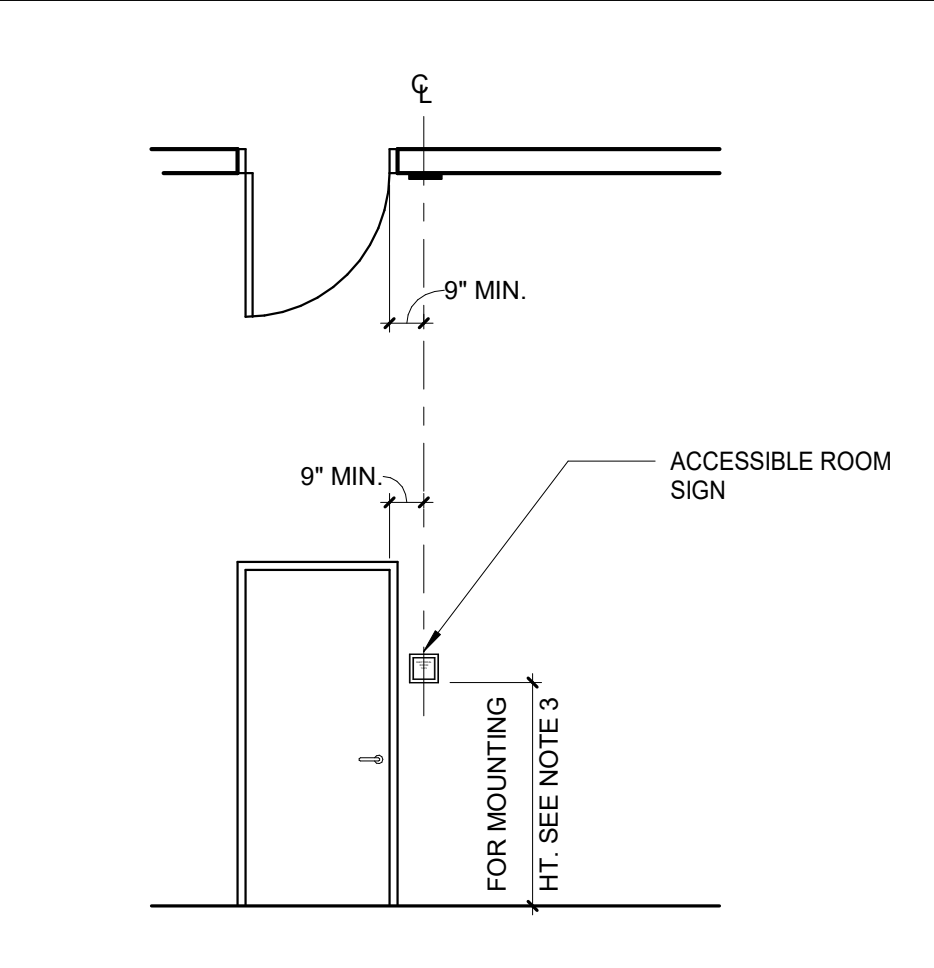
OVERHEAD DOOR JAMB 2
 3" = 1'-0"



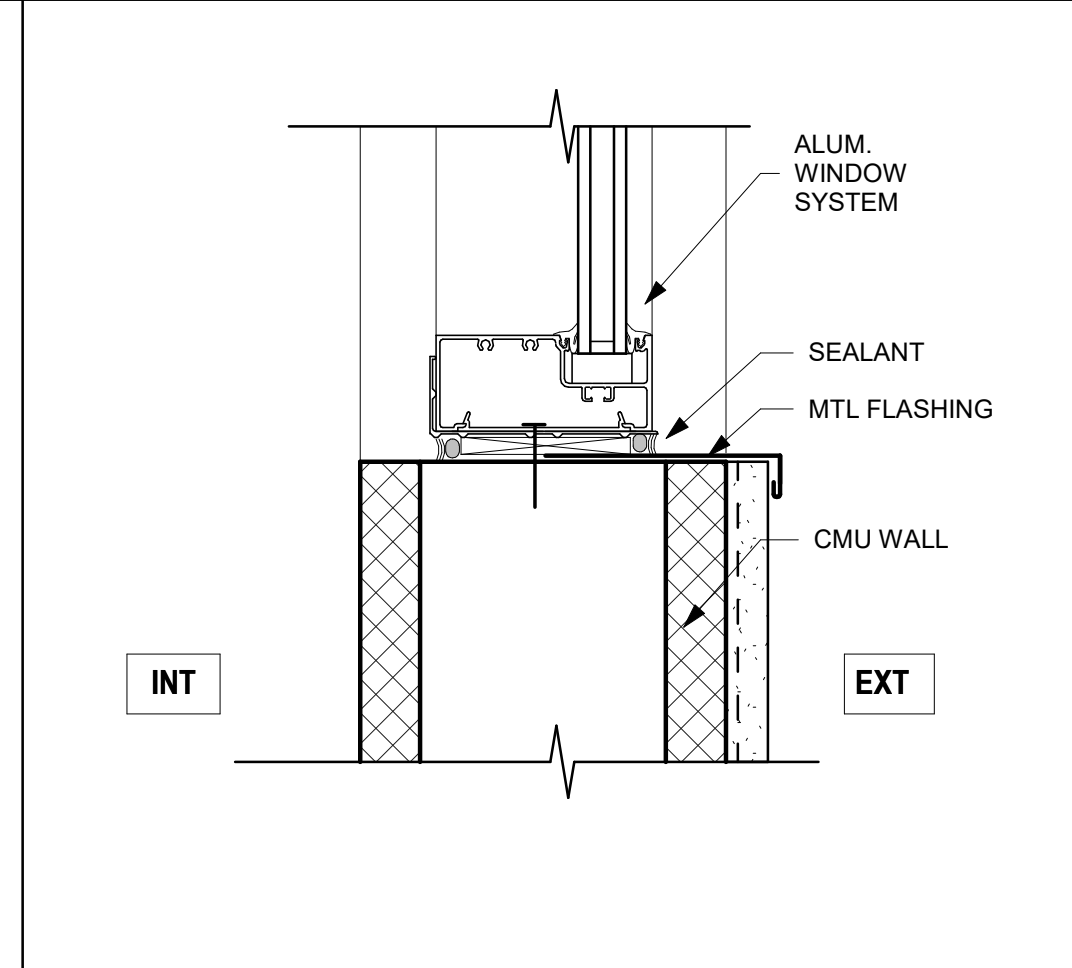
METAL LOUVERS AT CMU 9
 3" = 1'-0"



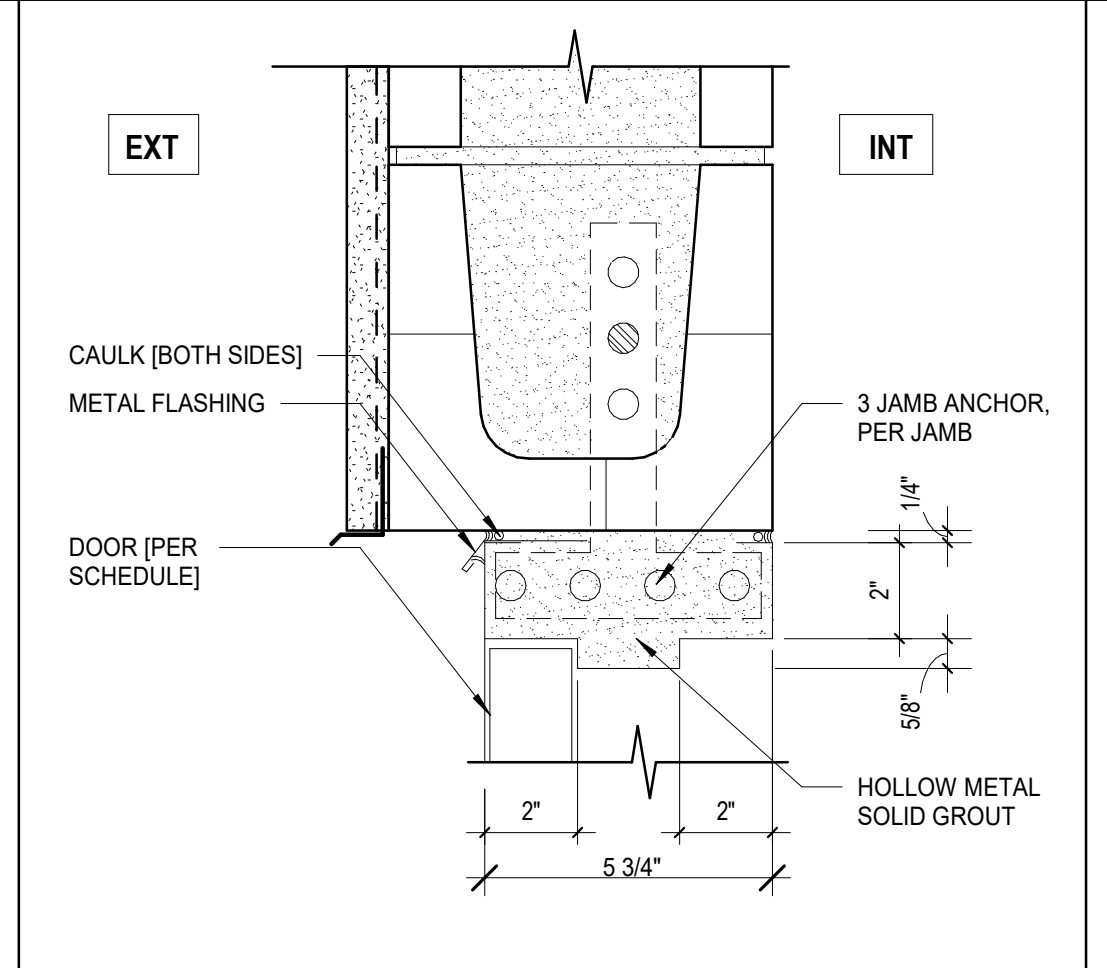
DOOR SIGNAGE LOCATIONS 13
 1/4" = 1'-0"



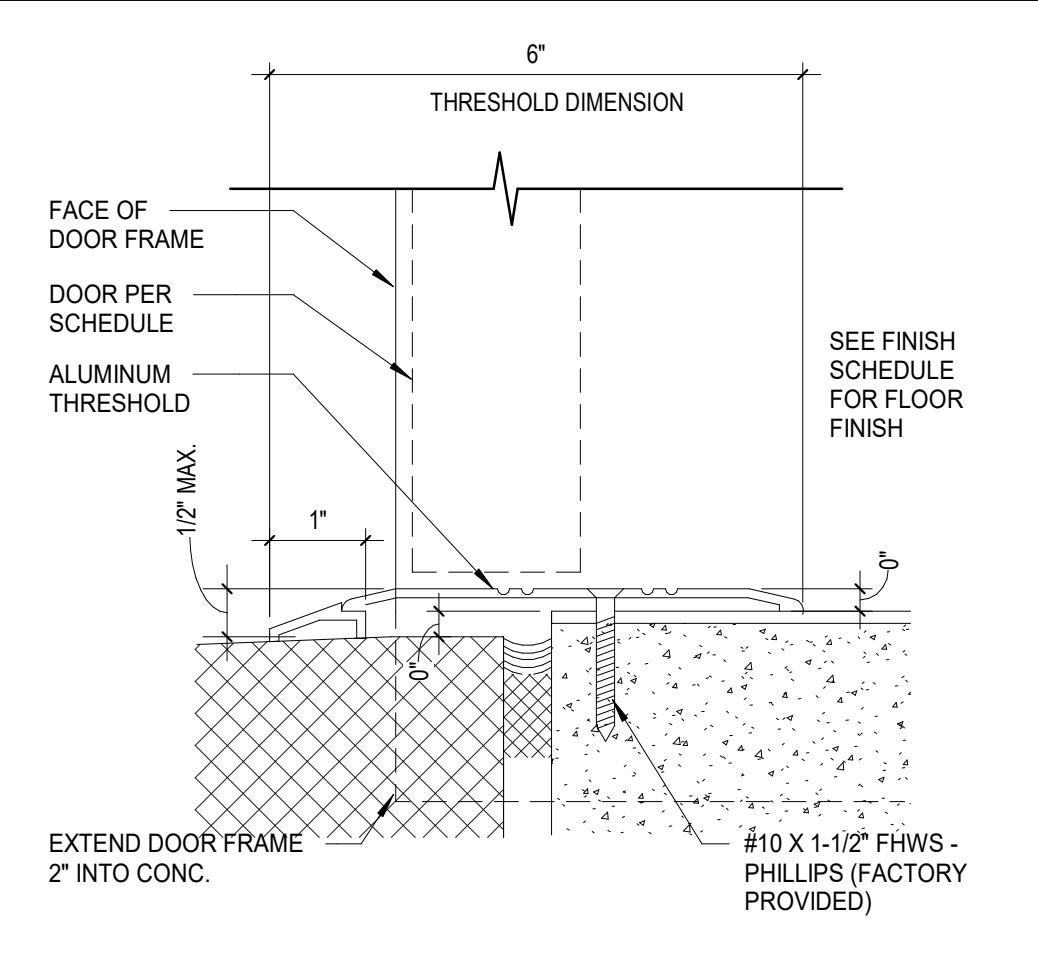
H.M. DOOR HEAD AT CMU (JAMB SIM.) 5
 3" = 1'-0"



ALUMINUM THRESHOLD AT EXT. DOORS 1
 6" = 1'-0"

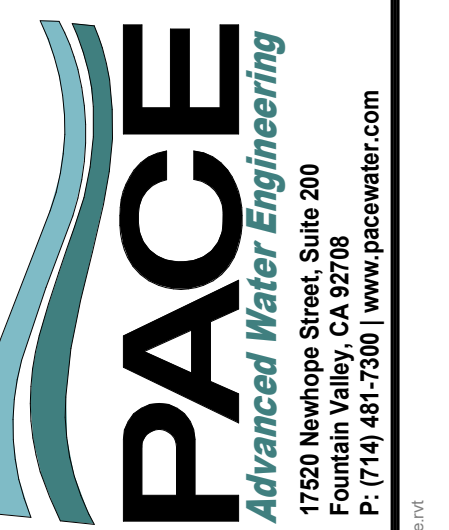


DOOR TYPES 12
 1/4" = 1'-0"



ALUMINUM WINDOW JAMB 7
 3" = 1'-0"

100% PLAN SET. ISSUED FOR REVIEW



SHEET **A3.1** OF SHEETS
 JOB NO 7861-E

DETAILS AND SCHEDULES

JOB TITLE
CYPRESS GROVE WATER PUMP STATION
 OAKLEY CA.

NO.	BY	DATE	REVISIONS	APP.



Description	Model	Supplier	Quant
WELLMATE® Fiberglass Corrosion-Proof Pressure Tank, Commercial, 264 Gallon		USA BlueBook	2
Kaeser SM10 Blower Compressor	SM10	Kaeser	1
Kasco Air Diffuser	772100	KascoMarine.com	12
3" Flanged Combo Air Valve, Epoxy-Coated Iron Body, 1.50-250 psi	D-4603	ARI	4
6" Flanged Combo Air Valve for High Flow, Epoxy-Coated Iron Body, 3-285 psi	D-060CHF06	ARI	1
Rollup Door	Model 2500	RollupDoorsDirect.com	1
Architectual Design		Square 1 Design Group	1
Exhaust Vent Fan	Maxx Air 36 In	US Fan Co.	2
LIF Industries 36 in. x 84 in. Flush Gray Steel Commercial Door with Hardware	36x84 Flush Gray Steel	HomeDepot.com	2

MECHANICAL EQUIPMENT LIST

ISSUED FOR BID

SHEET
MO.1
 19 OF 32 SHEETS

PACE
 Advanced Water Engineering
 17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
 P: (714) 481-7300 | www.pacewater.com

**CYPRESS GROVE
 STORM WATER PUMP
 STATION UPGRADES**
 88 GRANE CT. OAKLEY, CA 94608

PREPARED BY
 ANDREW T. KOMOR
 PROJECT ENGINEER
 R.C.E. NO. -- # C 64928
 EXP. 6/30/23
 DRAWN
 SCALE
 1/4" = 1'
 DESIGNED
 CHECKED
 DATE
 AUGUST 2022



MECHANICAL EQUIPMENT LIST

NO.	BY	DATE	REVISIONS	DATE	APP.
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ELECTRICAL NOTES:

- ELECTRICAL WORK SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE (2019), NATIONAL ELECTRIC CODE (2017), FEDERAL, STATE AND LOCAL JURISDICTION CODES.
- ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING WALKS, WALLS, DRIVERS, CURBS, ETC. DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PAY FOR LOCAL FEES, PERMITS AND INSPECTIONS AS MAY BE REQUIRED AND PROVIDE A CERTIFICATE OF INSPECTION TO THE OWNER.
- LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION.
- IT IS THE OBLIGATION OF THE CONTRACTOR TO ORGANIZE HIS WORK SO THAT A COMPLETE ELECTRICAL, INSTRUMENTATION, AND/OR CONTROL SYSTEM FOR THE FACILITY WILL BE PROVIDED AND SUPPORTED BY ACCURATE SHOP AND RECORD DRAWINGS, AND ALL O & M MANUALS.
- ALL CABLES SHALL BE NEW, COPPER, RATED FOR 600V AND LISTED FOR ITS LOCATION WITH A MINIMUM TEMPERATURE RATING OF 75 DEG. C.; POWER CABLES SHALL BE TYPE XHHW-2 FOR UNDERGROUND RUNS AND ABOVEGROUND RUNS, UNLESS NOTED OTHERWISE.
- MINIMUM SIZE CONDUIT ABOVE GROUND SHALL BE 3/4". MINIMUM SIZE CONDUIT BELOW GROUND SHALL BE 1" UNLESS NOTED OTHERWISE.
- MINIMUM SIZE POWER CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
- ALL WIRE TERMINATIONS SUCH SHALL HAVE A MINIMUM TEMPERATURE RATING OF 75 DEG C, AS SUCH, WIRE AMPACITIES ARE CALCULATED ON 75 DEG C RATINGS.
- CONDUIT SIZE SHALL BE AS SPECIFIED IN THE PLANS OR DETAILS. OUTDOOR EQUIPMENT SHALL BE NEMA 3R, UNLESS NOTED OTHERWISE.
- GROUND AND BOND ALL EQUIPMENT AND ENCLOSURES PER NEC ARTICLE 250 AND MANUFACTURER REQUIREMENTS.
- CONTRACTOR SHALL PLAN AND INSTALL WORK IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE AND WORKABLE ELECTRICAL SYSTEM WHETHER OR NOT THESE ITEMS ARE SPECIFICALLY NOTED ON THESE DRAWINGS. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS, NOR MENTIONED IN SPECIFICATIONS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.
- ALL TRENCHING, CONDUITS, ETC. SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES OR UNDERGROUND UTILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER OR INSPECTOR.
- ALL CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE SURE THAT ALL CONDUIT MEETS LOCAL AND STATE CODES.
- WHEN CROSSING PATHWAYS OR SIDEWALKS, CONTRACTOR SHALL BORE UNDER EXISTING CONCRETE WALKS AND SAWCUT ASPHALT WALKS. ASPHALT WALKS AND CONCRETE SIDEWALKS TO BE REPLACED IN KIND.
- CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS, USUAL WEAR EXPECTED, AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR ACCEPTANCE OF THE PROJECT BY THE OWNER, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE WHATSOEVER TO THE OWNER.

- ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES AND AT ALL EQUIPMENT IN A PERMANENT MANNER (I.E. ETCHED PLATES, CONDUCTOR TAG, PERMANENT MARKER, ETC.). THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" AND "FROM" IDENTIFICATION, AND MARKED "SPARE" WHERE APPLICABLE.
- CONTRACTOR SHALL TEST ELECTRICAL SYSTEM FOR SHORT CIRCUITS AND MEGGER TEST FEEDERS AND BRANCH CIRCUIT WIRING. INSURE LOW IMPEDANCE GROUND PATH SYSTEM. PERFORM HIPOT TESTING WHEN REQUIRED BY LOCAL JURISDICTION.
- CONTRACTOR SHALL COORDINATE ALL EQUIPMENT CONNECTIONS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL FUSED DISCONNECT SWITCHES AND CONTROLS IF OVERCURRENT PROTECTION OR CONTROLS IS NOT INTEGRAL WITH UNITS.
- FULL LOAD AMPS (FLA) SIZES, AS NOTED IN THESE DRAWINGS, ARE BASED ON SPECIFIED EQUIPMENT DATA. CONTRACTOR SHALL VERIFY NAMEPLATE FLA OF EQUIPMENT SUPPLIED AND COORDINATE ACCORDINGLY PER EQUIPMENT SUPPLIERS RECOMMENDATIONS AND CODE REQUIREMENTS.
- CONDUITS OR RACEWAYS INSTALLED IN AREAS WHERE ELEVATION CHANGES MAY CAUSE WATER OR MOISTURE TO ENTER THE ELECTRICAL EQUIPMENT THROUGH THE CONDUIT SHALL BE SEALED WITH A HERMETIC CONDUIT SEAL AT BOTH ENDS OF THE CONDUIT OR RACEWAY.
- MATERIALS SHALL BE NEW AND OF THE BEST QUALITY WITH MANUFACTURER'S NAME PRINTED THEREON. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UNDERWRITER'S LABORATORY OR OTHER APPLICABLE STANDARDS AND RATED FOR HEAVY DUTY SERVICE.
- SELECTION OF MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE DRAWINGS AND/OR SPECIFICATIONS.
- THE SUBMITTALS SHALL BE NEATLY GROUPED AND ORGANIZED. PERTINENT INFORMATION SHALL BE HIGHLIGHTED, AND THE SPECIFIC PRODUCT SHALL BE IDENTIFIED. ALL SUBMITTALS SHALL BE COMPLETE, AND PRESENTED IN ONE PACKAGE. THE SUBMITTAL SHALL INCLUDE A COMPLETE LIST OF THE EQUIPMENT AND MATERIALS, INCLUDING THE MANUFACTURER'S NAME, PRODUCT SPECIFICATION, DESCRIPTIVE DATA, TECHNICAL LITERATURE, PERFORMANCE CHARTS, CATALOG CUTS, INSTALLATION INSTRUCTION, AND SPARE PART RECOMMENDATIONS FOR EACH DIFFERENT ITEM OF THE EQUIPMENT SPECIFIED.
- VERIFY ALL CONDUIT FILL RATIOS, BOX FILLS, AND CONDUIT BENDS (MAX 360 DEGREES) ARE MET PER NEC REQUIREMENTS. INSTALL PULL BOXES AND DE-RATE CABLE AMPACITY AS NECESSARY.
- CONTRACTOR TO READ ALL THE DRAWINGS IN THIS SET TO BECOME FAMILIARIZED WITH THE FULL ELECTRICAL SCOPE, INCLUDING BUT NOT LIMITED TO THE MECHANICAL AND CIVIL DRAWINGS.
- THESE DRAWINGS AND THE PROJECT SPECIFICATIONS ARE COMPLEMENTARY. WHERE OVERLAP, THE MORE STRINGENT REQUIREMENT WILL TAKE PRECEDENCE.
- CONTRACTOR SHALL VERIFY ALL CIRCUITS CONTAIN LESS THAN 5% VOLTAGE DROP. CONTRACTOR SHALL PROVIDE SHORT CIRCUIT ANALYSIS AND ARC FLASH STUDY, AS REQUIRED.
- CONTRACTOR SHALL COORDINATE AND PERFORM WORK TO THE STANDARDS OF ALL APPLICABLE UTILITY COMPANIES, INCLUDING BUT NOT LIMITED TO UNDERGROUND ELECTRICAL LINES, GAS LINES AND WATER LINES. WHEN AN ISSUE OR DISCREPANCY ARISES, NOTIFY THE CUSTOMER AND ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND CUSTOMER WITH ANY DISCREPANCIES FOUND DURING INSTALLATION OR REVIEW.
- CONTRACTOR TO PROVIDE REQUIREMENTS FOR NFPA 70E, AS REQUIRED.

35. WIRING METHODS, EQUIPMENT, DEVICES AND LUMINARIES IN INDOOR AND OUTDOOR AREAS SUBJECT TO DAMP AND/OR CONDITIONS SHALL BE LISTED AS SUITABLE FOR THE ENVIRONMENT. cec 300.6, 680.12.

36. ELECTRICAL EQUIPMENT MUST BE SEIMIC-CERTIFIED AND ANCHORED ACCORDING TO EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS CEC 110.3(B), CBC 1613.1, ASCE 7, CHAPTER 13.

PROJECT SCOPE:

- DEMO EXISTING LIGHTS AND INSTALL NEW LIGHTS INSIDE AND OUTSIDE OF BUILDING.
- INSTALL 480V, 10HP BLOWER. PROVIDE NEW CIRCUIT BREAKER, CONDUIT, WIRING, BLOWER AND ADDITIONAL EQUIPMENT AS NEEDED.
- INSTALL (2) 1/2 HP, 120VAC, SINGLE PHASE, SUPPLY FANS WITH THERMOSTAT CONTROL AND INHIBITED BY THE FIRE ALARM PANEL.
- PROVIDE FIRE ALARM PANEL, HEAT DETECTOR(S) AND SMOKE DETECTOR(S) PER DEFERRED FIRE ALARM SUBMITTAL REQUIREMENTS.
- ASSIST IN MAINTENANCE/REPAIR OF PUMP MOTOR(S) THROUGH DISCONNECTING/CONNECTING MOTOR AND PROVIDE PROVISIONS FOR A PRICE QUOTE FOR POSSIBLE REPLACEMENT WITH NEW MOTOR(S).
- PROVIDE PRICE QUOTE FOR DEFERRED SUBMITTAL OF INSTALLATION OF PANEL ENCLOSURE WITH HMI FOR CONTROLLING PUMP HOUSE AND IRRIGATIONS, WITH REMOTE CONTROL ABILITIES FROM MOBILE DEVICE.

Xref: 8138-10-Tbk - Electrical.dwg
Dnscale = 1; Ltscale = 1; PStscale = 1; Acad Ver. = 23.0s (LMS Tech); Version = 1

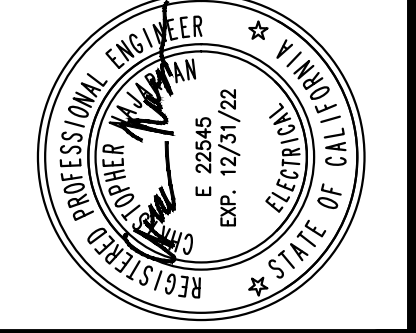
ISSUED FOR BID



**CYPRESS GROVE
STORM WATER PUMP
STATION UPGRADES**

88 GRADE CT. OAKLEY, CA 94608

PREPARED BY
CHRISTOPHER NAJARIAN
PROJECT ENGINEER
R.C.E. NO. — # E 22545
EXP. 12/31/22
DRAWN
PI
SCALE
AS-SHOWN
DESIGNED
C.N.
CHECKED
C.N.
DATE
JULY, 2022



ELECTRICAL NOTES

NO	BY	DATE	REVISIONS	DATE	APP.
1					
2					
3					
4					
5					
6					

CN 10/22 COMMENT RESPONSE

SHEET
10.0
22 OF 32 SHEETS
JOB NO. 8138-E

W:\8138\Engineering\2022 Upgrades\Sheets\ED.0 ELECTRICAL NOTES.dwg - Tab: E00 By: jkell on Nov. 02, 2022 at 04:48 pm

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STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations..

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 1 of 4)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T16:35:14-04:00

A. GENERAL INFORMATION

01 Project Location (city) Oakley
02 Occupancy Types Within Project:
• Commercial Industrial

B. PROJECT SCOPE
This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05
Electrical Service Designation/Description	Scope of Work ¹	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) ²	System subject to CA Elec Code Article 517 Exception to §130.5(a)and (b)
800A, 480V, 3 PH, 4 W Meter located indoors on E2.0 Plan drawing.	Add/Alt to feeders and branch circuits only		<input type="checkbox"/>	<input type="checkbox"/>
06 Demand Response Controls	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.			

¹ FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.
² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS
Results 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 to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05
Service Electrical Metering §130.5(a) (See Table F)	AND Separation for Monitoring §130.5(b) (See Table G)	AND Voltage Drop §130.5(c) (See Table H)	AND Controlled Receptacles §130.5(d) (See Table I)	
	AND	AND	AND	COMPLIES

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
Schema Version: rev 20200601 Report Generated: 2022-10-27 13:35:17

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 3 of 4)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T16:35:14-04:00

J. 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. 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/

Form/Title
NRCI-ELC-01-E - Must be submitted for all buildings

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to electrical power distribution requirements.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
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Schema Version: rev 20200601 Report Generated: 2022-10-27 13:35:17

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 2 of 4)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T16:35:14-04:00

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
The permit applicant has indicated on Table H that voltage drop calculations will be provided by the contractor.

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

F. SERVICE ELECTRICAL METERING
This section does not apply to this project.

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
This section does not apply to this project.

H. VOLTAGE DROP
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 §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
800A, 480V, 3 PH, 4 W Meter located indoors on E2.0 Plan drawing.	<input checked="" type="checkbox"/> Voltage drop less than 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to 130.5(c))*	Contractor Responsible		Pass Fail
				<input type="checkbox"/> <input type="checkbox"/>

* NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
¹ FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
This section does not apply to this project.

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STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 4 of 4)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T16:35:14-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: John Javier Documentation Author Signature: [Signature]
Company: PACE WATER Signature Date: OCT. 27, 2022
Address: 17520 NEWHOPE ST, #200 CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FOUNTAIN VALLEY, CA 92708 Phone: (714) 481-7227

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

Responsible Designer Name: Christopher Najarian Responsible Designer Signature: [Signature]
Company: PACE WATER Date Signed: OCT. 28, 2022
Address: 17520 NEWHOPE STREET, SUITE 200 | Fountain Valley, CA 92708 License: 22545
City/State/Zip: FOUNTAIN VALLEY, CA 92708 Phone: (714) 425-7753

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
Schema Version: rev 20200601 Report Generated: 2022-10-27 13:35:17

CN 10/22 COMMENT RESPONSE

NO BY DATE REVISIONS DATE APP

TITLE 24 FORM

PREPARED BY: CHRISTOPHER NAJARIAN
PROJECT ENGINEER
R.C.E. NO. - - # E-22545
EXP. 12/31/22
DRAWN BY: AS-SHOWIN
SCALE: AS-SHOWIN
DESIGNED BY: C.N.
CHECKED BY: C.N.
DATE: JULY, 2022

CYPRESS GROVE STORM WATER PUMP STATION UPGRADES
38 CRANE CT, OAKLEY, CA 94502

ISSUED FOR BID

PACE
Advanced Water Engineering
17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

SHEET E4.0 28 OF 32 SHEETS

JOB NO. 8138-E

W:\8138\Engineering\2022_Upgrade\Sheets\E4.0 TITLE 24 Per Dist.dwg - Tab: E4.0 By: jeeell on Nov. 02, 2022 at 04:48 pm
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 1 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

A. GENERAL INFORMATION

01 Project Location (city)	Oakley	04 Total Conditioned Floor Area (ft²)	0
02 Climate Zone	3	05 Total Unconditioned Floor Area (ft²)	1,400
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
• : • Commercial Industrial			

B. PROJECT SCOPE

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 §140.6 or §141.0(b)2 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
<input type="checkbox"/> New Lighting System	N/A	0	N/A	0
<input type="checkbox"/> New Lighting System - Parking Garage	N/A	0	N/A	0
<input checked="" type="checkbox"/> Altered Lighting System	Complete Building Method	0	Complete Building Method	1400
Total Area of Work (ft²)				1400

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 3 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10		
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change¹	Watts per luminaire²	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector		
									Pass	Fail	
8FT LINEAR WASHDOWN on E2.0 Plan Drawing	8FT LINEAR WASHDOWN LED 100W NEMA 4X	No	No	100	Mfr. Spec	6	Yes	NA	<input type="checkbox"/>	<input type="checkbox"/>	
Total Designed Watts: UNCONDITIONED SPACES									0		

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

*This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector	
		Pass	Fail
Not Required <= 10,000 SF	Whole Building Other	<input type="checkbox"/>	<input type="checkbox"/>

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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 2 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1	Allowed Lighting Power per §140.6(b) (Watts)				Total Allowed (Watts)	≥	Adjusted Lighting Power per §140.6(a) (Watts)		Total Adjusted (Watts) *Includes Adjustments	Compliance Results	
	01	02	03	04			06	07			08
	Complete Building §140.6(c)1 (See Table I)	Area Category §140.6(c)2 (See Table I)	Area Category Additional §140.6(c)2G (+) (See Table J)	Tailored §140.6(c)3 (+) (See Table K)			Total Designed (Watts) (See Table F)	Adjustments PAF Lighting Control Credits §140.6(a)2 (-) (See Table P)			Total Adjusted (Watts)
Conditioned						≥				05 must be >= 08 §140.6	
Unconditioned	560				560	≥	0				
Controls Compliance (See Table H for Details)										COMPLIES with Exceptional Conditions	
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

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

H. Indoor Lighting Controls (Not including PAFs) Permit Applicant Notes [Indoor Area General Pump Room Task Lighting] [Multilevel Controls] Not Required: Space <= 0.5 W/sf --- [Shut-Off Controls] Non-Conditioned space, High precision technical - Authorized Personnel allowed.

E. ADDITIONAL REMARKS

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

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 4 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12		
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector		
									Pass	Fail
Indoor Area General Pump Room Task Lighting	All Other Occupancies	Auth. Personnel	Exempt*	Exempt*	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>	
*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2										
Indoor Area General Pump Room Task Lighting	[Multilevel Controls] Not Required: Space <= 0.5 W/sf --- [Shut-Off Controls] Non-Conditioned space, High precision technical - Authorized Personnel allowed.									
Plan Sheet Showing Daylit Zones:										

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment Area Category PAF	
Indoor Area General Pump Room Task Lighting	All Other Occupancies	0.4	1,400	560	No	No
TOTALS:			1,400	560	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
Schema Version: rev 20200601 Report Generated: 2022-10-31 10:55:15

ISSUED FOR BID

STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER NAJARIAN
R.C.E. NO. 0111 # E-22545
EXP. 12/31/22

PROJECT ENGINEER
CYPRESS GROVE STORM WATER PUMP STATION UPGRADES

SCALE: AS-SHOWN
DRAWN BY: P1
DESIGNED BY: C.N.
CHECKED BY: C.N.
DATE: JULY, 2022

38 CRANE CT., OAKLEY, CA 94602

CYPRESS GROVE STORM WATER PUMP STATION UPGRADES

17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

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1

Xrefs: 8138-10-Tbk - Electrical.dwg
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 5 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 7 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: John Javier Documentation Author Signature: *[Signature]*
Company: PACE PACE WATER Signature Date: OCT. 31, 2022
Address: 17520 NEWHOPE ST, #200 CEA/ HERS Certification Identification (if applicable):
City/State/Zip: FOUNTAIN VALLEY, CA 92708 Phone: (714) 481-7227

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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)
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- 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.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Christopher Najarian Responsible Designer Signature: *[Signature]*
Company: PACE WATER Date Signed: OCT. 31, 2022
Address: 17520 NEWHOPE ST, #200 License: 22545
City/State/Zip: FOUNTAIN VALLEY, CA 92708 Phone: (714) 425-7753

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
Schema Version: rev 20200601 Report Generated: 2022-10-31 10:55:15

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 6 of 7)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-31T13:55:14-04:00

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.
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/NRCCI/

Form/Title

NRCI-LTI-01-E - Must be submitted for all buildings
NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

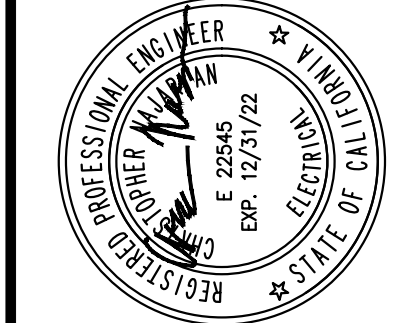
U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no NRCA forms required for this project.

Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 76383
Schema Version: rev 20200601 Report Generated: 2022-10-31 10:55:15

ISSUED FOR BID



CYPRESS GROVE
STORM WATER PUMP
STATION UPGRADES
38 CRANE CT. OAKLEY, CA 94502



LIGHTING (FORM 2 OF 2)

NO.	BY	DATE	REVISIONS	DATE	APP.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

SHEET
E5.1
30 OF 32 SHEETS
JOB NO. 8138-E

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 2 of 6)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T17:10:47-04:00

C. COMPLIANCE RESULTS
Results 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 to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L								Compliance Results			
01	02	03	04	05	06	07	08	09			
General Hardscape Allowance §140.7(d)1 (See Table I)	Per Application §140.7(d)2 (See Table J)	Sales Frontage §140.7(d)2 (See Table K)	Ornamental §140.7(d)2 (See Table L)	Per Specific Area §140.7(d)2 (See Table M)	Existing Power Allowance §141.0(b)2L (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 must be >= 08			
NA	+	NA	+	NA	OR	0	≥	74	DOES NOT COMPLY		
Cutoff Compliance (See Table G for Details)										N/A	
Controls Compliance (See Table H for Details)										NA	

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
F. Outdoor Lighting Fixture Schedule Applicant Notes [OUTDOOR LED WALLPACK on E2.0 Plan Drawing] {Power Cutoff Exemption} Exception2

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
(General Remarks) (3) Three HID 150 Watt Light fixtures are to be DEMO replacement with LED type light fixtures, out door fixtures are on photocell & time clock control.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time: Report Version: 2019.1.003
Documentation Software: Energy Code Ace
Schema Version: rev 20200601
Compliance ID: 76383
Report Generated: 2022-10-27 14:10:50

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 3 of 6)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T17:10:47-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with §140.7 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	Total number luminaires ²	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b) ⁴	Field Inspector
OUTDOOR LED WALLPACK on E2.0 Plan Drawing	OUTDOOR LED WALL PACK 37W <input type="checkbox"/> Linear	37	Mfr. Spec	2	Existing Alteration	<input type="checkbox"/>	74	Exempt*	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Total Design Watts:							74		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

OUTDOOR LED WALLPACK on E2.0 Plan Drawing {Power Cutoff Exemption} Exception2

G. CUTOFF REQUIREMENTS (BUG)
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time: Report Version: 2019.1.003
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Schema Version: rev 20200601
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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 4 of 6)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T17:10:47-04:00

A. GENERAL INFORMATION

01 Project Location (city)	Oakley	04 Total Illuminated Hardscape Area (ft²)	100
02 Climate Zone	3		
03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):			
<input type="checkbox"/> LZ-0: Very Low - Undeveloped Parkland	<input checked="" type="checkbox"/> LZ-2: Moderate - Rural Areas	<input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
<input type="checkbox"/> LZ-1: Low - Developed Parkland	<input type="checkbox"/> LZ-3: Moderately High - Urban Areas		

B. PROJECT SCOPE
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 §140.7 or §141.0(b)2L for alterations.
My Project Consists of:

<input type="checkbox"/> New Lighting System	Must Comply with Allowances from §140.7
<input checked="" type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? <input type="radio"/> Yes <input checked="" type="radio"/> No
% of Existing Luminaires Being Altered ¹	Sum Total of Luminaires Being Added or Altered
<input checked="" type="checkbox"/> < 10% <input type="checkbox"/> >= 10% and < 50% <input type="checkbox"/> >= 50%	2
Calculation Method	
Maintain Existing Power Method per §141.0(b)2L	

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time: Report Version: 2019.1.003
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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: Cypress Grove Storm water Pump Station Upgrade Report Page: (Page 4 of 6)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 Date Prepared: 2022-10-27T17:10:47-04:00

H. OUTDOOR LIGHTING CONTROLS
This section does not apply to this project.

I. LIGHTING POWER ALLOWANCE (per §140.7)
This section does not apply to this project.

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This table includes all existing luminaires being replaced to establish the lighting power allowance per §141.0(b)2Lii or §141.0(b)2Liii. Existing luminaires that are remaining or being moved should NOT be included.

01	02	03	04	05	06	07
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	# of Luminaires Being Replaced ²	Existing Watts	Field Inspector
Total Existing Watts						
Allowance per §141.0(b)2L:						

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)
² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time: Report Version: 2019.1.003
Documentation Software: Energy Code Ace
Schema Version: rev 20200601
Compliance ID: 76383
Report Generated: 2022-10-27 14:10:50

ISSUED FOR BID

PREPARED BY: CHRISTOPHER NAJARIAN
PROJECT ENGINEER
R.C.E. NO. - - # E-22545
EXP. 12/31/22

DRAWN BY: PI
SCALE: AS-SHOWN

DESIGNED BY: C.N.
CHECKED BY: C.N.

DATE: JULY, 2022

38 CRANE CT. OAKLEY, CA 94502

CYPRESS GROVE STORM WATER PUMP STATION UPGRADES

PACE Advanced Water Engineering
17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

NO. 10/22 COMMENT RESPONSE

NO. BY DATE REVISIONS

DATE APP.

31 OF 32 SHEETS

JOB NO. 8138-E

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Cypress Grove Storm water Pump Station Upgrade **Report Page:** (Page 5 of 6)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 **Date Prepared:** 2022-10-27T17:10:47-04:00

O. 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. 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/

Form/Title
NRCI-LTO-01-E - Must be submitted for all buildings
NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 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 must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Cypress Grove Storm water Pump Station Upgrade **Report Page:** (Page 6 of 6)
Project Address: 38 CRANE COURT, OAKLEY, CA 94502 **Date Prepared:** 2022-10-27T17:10:47-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: John Javier
 Documentation Author Signature: *[Signature]*

Company: PACE WATER
 Signature Date: OCT. 27, 2022

Address: 17520 NEWHOPE ST, #200
 City/State/Zip: FOUNTAIN VALLEY, CA 92708
 CEA/ HERS Certification Identification (if applicable):
 Phone: (714) 481-7227

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

Responsible Designer Name: Christopher Najarian
 Responsible Designer Signature: *[Signature]*

Company: PACE WATER
 Date Signed: OCT. 28, 2022

Address: 17520 NEWHOPE ST, #200
 City/State/Zip: FOUNTAIN VALLEY, CA 92708
 License: 22545
 Phone: (714) 425-7753

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
 Generated Date/Time: Report Version: 2019.1.003
 Documentation Software: Energy Code Ace
 Compliance ID: 76383
 Report Generated: 2022-10-27 14:10:50

ISSUED FOR BID

PACE
 Advanced Water Engineering
 17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
 P: (714) 481-7300 | www.pacewater.com

E6.1
 32 OF 32 SHEETS

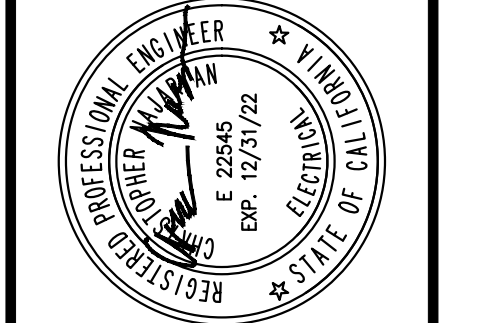
JOB NO. 8138-E

**CYPRESS GROVE
 STORM WATER PUMP
 STATION UPGRADES**

38 CRANE CT. OAKLEY, CA 94502

PREPARED BY: CHRISTOPHER NAJARIAN
 PROJECT ENGINEER
 R.C.E. NO. - # E 22545
 EXP. 12/31/22

SCALE: AS-SHOWN
 DRAWN: PI
 DESIGNED: C.N.
 CHECKED: C.N.
 DATE: JULY 2022



OUTDOOR LTG (2 OF 2)

NO.	BY	DATE	REVISIONS	DATE	APP.
1					
2					
3					
4					
5					