NORTH HARBOR BUILDING WARM SHELL PROJECT

2460 HIGHWAY ONE, MOSS LANDING, CA 95039

(XXX)

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XX

AX.X

XXX

+XXX.X 🛥 👝

+XXX X 🚄

ABREVIATIONS

	AND ANGLE AT CENTERLINE DIAMETER OR ROUND PERPENDICULAR PROPERTY LINE POUND OR NUMBER	F.H.W.S. FLASH. FLR. FLUOR. F.O. F.O.B. F.O.C. F.O.F.
A.B. A.B.S. A.B.V. A.A. A/C ACOUS. ADJ. A.F.F. AGGR. ALUM. ANOD.	ANCHOR BOLT ACRYLONITRILE BUTADIENE ABOVE ASPHALTIC CONCRETE AIR CONDITIONING ACOUSTICAL ADJUSTABLE ABOVE FINISH FLOOR AGGREGATE ALUMINUM ANODIZED AMERICAN PLYWOOD	F.O.M. F.O.S. F.P. F.R.P. F.S. FT. FTG. FURR. FUT. GA. GALV.
A.P.A APPROX. ARCH. A.S.	AMERICAN PLYWOOD ASSOCIATION APPROXIMATE ARCHITECTURAL ADJUSTABLE SHELF	G.B. G.I. GL. G.L.B. GR.
3D. 31T. 3LDG. 3LK. 3LKG. 3M. 3.M. 30T. 3RG. 3TWN. 3.U.R.	BOARD BITUMINOUS BUILDING BLOCK BLOCKING BEAM BENCH MARK BOTTOM BEARING BETWEEN BUILD-UP ROOFING BOTH WAYS	G.W.B. H.B. HBD. HDR. HDR. HDWR. H.M. HORZ. H.S. HT. HTG. H.W. HWD.
C.B. CBC CEM. CER.	CABINET CATCH BASIN CALIFORNIA BUILDING CODE CEMENT CERAMIC CONTRACTOR FURNIOUED	HVAC.
C.F. C.I. C.J. CLG. CLG. CLR. C.M.U. COLR. COMP. COMP. COMN	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED CUBIC FEET CAST IRON CONTROL JOINT CLOSET CEILING CAULKING CAULKING CAULKING CAULKING CONCRETE MASONRY UNIT COLUMN COMPOSITION CONCRETE CONNECTION CONCRETE CONNECTION CONSTRUCTION CONSTRUCTION CONTINUOUS CORRUGATED CLEAN-OUT TO GRADE CASEMENT CASEWORK CERAMIC TILE	ID. INCL. INSUL. INT. INV. JAN. J.H. JT. KIT. L. LAM. LAM. LAV. L.B. LOC. L.V.L.
CSWK. CSWK. C.T. CTR. CTSK. C.Y.	CASEMENT CASEWORK CERAMIC TILE COUNTER COUNTERSINK CUBIC YARD	L.W. MAS. MAT. MAX. M.B.
DISP. DN. DR. DR. DRWG. D.S.B.	DOUBLE DEPARTMENT DETAIL DRINKING FOUNTAIN DOUGLAS FIR DECOMPOSED GRANITE DOUBLE HUNG DIAGONAL DIAMETER DIMENSION DISPENSER/DISPOSER DOWN DOOR DRAWING DBL. STRENGTH B GRADE (GLASS)	M.C. M.H. MECH. MEZZ. MFR. MIN. MIR. MISC. MLDG. M.LW. MCO. MTD. MET. MULL. N.
DWR. D.W. =	(GLASS) DOWNSPOUT DRAWER DISH WASHER EAST	(N) NAT. N.I.C. NOM. N.T.S.
EA. E.J. ELEV. ELEC. EMER. ENCL. EQUIP. EWC. E) EXH. EXP.	EAST EACH EXPANSION JOINT ELEVATION, ELEVATOR ELECTRIC(AL) EMERGENCY ENCLOSURE EQUIPMENT N.I.C. W/ WITH ELECTRIC WATER COOLER EXISTING EXHAUST EXPOSED/EXPANSION EXTERIOR	O/ OBS. O.D. OFF. OFCI. OFOI. O.H. O.H.S.
T.A. AST. T.A. T.D. T.D.	FIRE ALARM FASTEN(ER) FLAT BAR FLOOR DRAIN FIRE EXTINGUISHER CABINET	O.H.W.S. OPNG. OPP. P.A.F. P.B.

FAST

F.H.M.S.

FLATHEAD WOOD SCREW FLASHING FLOOR(ING) FLOOR(ING) FLUORESCENT FACE OF FACE OF BLOCK FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF MASONRY FACE OF STUD FIREPLACE FIBERGLASS REINF. PANEL FULL SIZE FOOT/FEET FOOTING FURRED(ING) FURRED(ING) FUTURE GAUGE/GAGE GALVANIZED GRAB BAR GALVANIZED IRON GLASS/GLAZING GLUE-LAM BEAM GRADE(ING) GYPSUM WALLBOARD HOSE BIB HARDBOARD HOLLOW CORE HEADER HARDWARE HOLLOW METAL HORIZONTAL HEAVY SHEET HEIGHT HEATING HOT WATER HARDWOOD HEATING/VENTILATING/AIR CONDITIONING INTERNATIONAL CODE COUNCIL INSIDE DIAMETER INCLUDE(D) (ING) INSULATE(D) (ING) INTERIOR INVERT JANITOR JOIST HANGER JOINT KITCHEN LENGTH LAMINATE LAVATORY LAG BOLT LOCATE(ION) LAMINATED VENEER LUMBER LIGHTWEIGHT

MATERIAL(S) MAXIMUM ` MACHINE BOLT MEDICINE CABINET MAN HOLE MECHANICAL MEOTANIOAE MEMBRANE MEZZANINE MANUFACTURE(ER) MINIMUM MIRROR MISCELLANEOUS MOLDING/MOULDING MALLEABLE IRON WASHER MASONRY OPENING MOUNTED METAI MULLION NORTH NEW NATURAL NOT IN CONTRACT NOMINAL NOT TO SCALE OVER OBSCURE ON CENTER(S OUTSIDE DIÀMETER OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OVER HANG OVALHEAD MACHINE SCREW OVALHEAD WOOD SCREW OPENING OPPOSITE POWDER ACTUATED FASTENER PANIC BAR

. TBD. PARTICLE BOARD

PAINT GRADE

PLAS. LAM. PLASTIC LAMINATE

PLASTER

POUNDS PER CUBIC FOOT POWDER DRIVEN

PERFORATE POUNDS PER LINEAR FOOT

P.B. PAR

P.G. PERF PLF

FIRE EXTINGUISHER CABINET

FINISH GRADE

FIBERGLASS

FOUNDATION FIRE EXTINGUISHER

FINISH(ED) FLATHEAD MECHANICAL SCREW

MASONRY

PLYWD. PLYWOOD PAIR POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED PARTITION P.T. DISP. PAPER TOWEL DISPENSER P.V.C. POLYVINYL CHLORIDE RISER RETURN AIR RETURN AIR RADIUS ROOF DRAIN REGISTER REFRIGERATOR REINFORCED REINF. REQ'D.

PSF

PSI P.T.

PART.

R.A. RAD. R.D.

REG.

REQMT RESIL. REV.

R.H.M.S.

R.H.W.S.

RM. R.O. R.O.W. R.S. RUB. RWD. R.W.L.

S.A. SECT. SERV.

SH. SHWR

SHT'G.

S.S.

S.S.D.

S.M. S.M.S. SPEC.

STAG. STOR

T.B.C

T.E.N. T & G THK.

T.J.I.

T.P.H. T.Q.

T.W. TYP.

U/L U.N.O. U.O.N. UR.

V.I.F.

WDW

W.H.

W.R. W.S.

WSCT. WT. W.W.M.

REQUIREMEN RESILIENT ROUNDHEAD MACHINE SCREW ROUNDHEAD WOOD SCREW ROOM ROUGH OPENING RIGHT OF WAY RESAWN RUBBER REDWOOD RAIN WATER LEADER SOLID BLOCKING

DLID CORE SCHED. SCHEDULE STORM DRAIN ECTION SERVICE SQUARE FOOT STAIN GRADE SHELF/SHELVING HOWER SHEET SIMILAR STAINLESS STEEL SERVICE SINK SEE STRUCTURAL DRAWINGS

SHEET METAL SHEET METAL SCREW SPECIFICATION SQUARE TANDARD STAGGERED STORAGE STRUCT SUSP. SYM. SYS. STRUCTURAL SUSPENDED SYMMETRY(ICAL)

SYSTEM TREAD TOWEL BAR TO BE DETERMINED TOP OF CURB TELEPHONE TEMPERED TYPICAL EDGE NAILING TONGUE & GROOVE THICK(NESS) THRESHOLD TRUSS JOIST INTERNATIONAL THRES TOILET PAPER HOLDER TOP OF PAVEMENT

ELEVISION TOP OF WALL TYPICAL UNDERWRITER'S LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED URINAL VERIFY IN FIELD WEST/WIDTH/WIDE WATER CLOSET

WINDOW WATER HEATER WOODWORK INSTITUTE WITHOUT WATER RESISTANT WOOD SCREW WAINSCOT WEIGHT WELDED WIRE MESH

WOOD

LEGEND

ROCK -----SAND, MORTAR, PLASTER _____ CONCRETE BLOCK CAST-IN-PLACE (C.I.P.) _____ (E) STUD WALL (N) STUD WALL

 $>\!\!\!\!>$

EARTH

— — — — (E) STUD WALL TO ———— ÈÉ REMOVED

SOUND INSULATED STUD WALL

<u>////////</u> METAL

WOOD FINISH

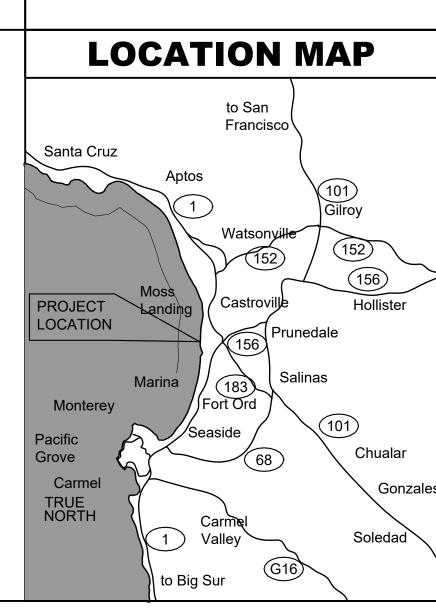
WOOD FRAMING CONTINUOUS MEMBER

WOOD BLOCKING

_____///_____ PLYWOOD

GYPSUM WALLBOARD

A.C. PAVING



SYMBOLS

DOOR SYMBOL

WINDOW SYMBOL

KEY TAG

DEMOLITION TAG

— — MATCH LINE

WORK POINT, DATUM POINT OR CONTROL

VERTICAL OR HORIZONTAL DIAPHRAGM KEY

> SECTION _ SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN

DETAIL

- DETAIL IDENTIFICATION SHEET WHERE DETAIL IS DRAWN

FINISH GRADE (SPOT) _ ELEVATION

EXISTING GRADE (SPOT) +XXX.X _ SURFACE

PROPERTY LINE

REVISION

VICINITY MAP



PROJECT TEAM

OWNER

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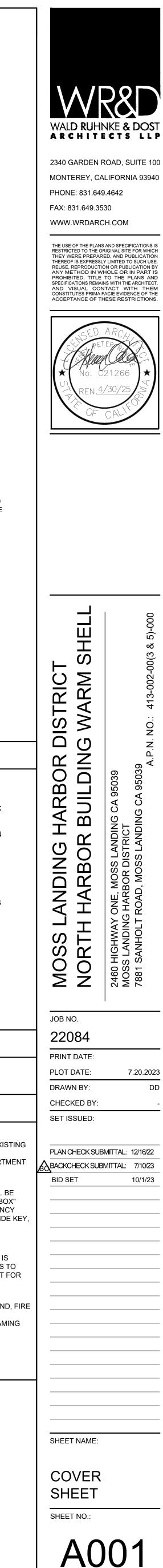
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ORMATION	SHEET INDEX
I SHELL PROJECT JPANCY: GROUP A2 OR B (FUTURE - ASSUMED)	SHT. # SHEET TITLE TITLE COVER SHEET A001 COVER SHEET A002 CAL GREEN CHECKLIST ARCHITECTURAL CAL GREEN CHECKLIST
STRUCTION: TYPE V-B SPRINKLERED	A200FIRST FLOOR CONCRETE SLAB INFILL PLANA201FIRST FLOOR PLANA202SECOND FLOOR PLANA203PENTHOUSE LEVEL FLOOR PLANA211FIRST FLOOR FINISH PLANA212SECOND FLOOR FINISH PLANA213ROOM FINISHES SCHEDULE & DOOR SCHEDULEA221FIRST FLOOR RCPA221AFIRST FLOOR CEILING FRAMING PLANA225SECOND FLOOR RCP
ARDS LE 24, PART 2, VOLUMES 1 AND 2 RTITLE 24, PART 2.5 TITLE 24, PART 3 RTITLE 24, PART 4 TLE 24, PART 5 E 24, PART 6 HBC), CCR TITLE 24, PART 8 9, PART 9 CC), CCR TITLE 24, PART 10 (CALGreen), CCR TITLE 24, PART 11 DE, CCR TITLE 24, PART 12 E FIRE MARSHAL CCR TITLE 24, PART 1 TANDARDS G (CA AMENDED) LLING CODE (CA AMENDED) E A READILY DISTINGUISHABLE MEANS OF APTER 11 (WHERE APPLICABLE FOR OF THE CALIFORNIA BUILDING CODE. THE INOBSTRUCTED AND UNDIMINISHED PATH THIN THE BUILDING TO A PUBLIC WAY.	A2224 SECOND FLOOR CELING FRAMING PLAN PENTHOUSE LEVEL RCP A231 ROOF PLAN A501 FIRST FLOOR INTERIOR ELEVATIONS A503 STAIRWELL INTERIOR ELEVATIONS A503 STAIRWELL INTERIOR ELEVATIONS A503 STAIRWELL INTERIOR ELEVATIONS A702 BUILDING SECTIONS A703 BUILDING SECTIONS A704 BUILDING SECTIONS A705 PARTIAL BUILDING SECTIONS A905 ELEVATOR DETAILS A904 INTERIOR DETAILS A905 ELEVATOR SPECIFICATIONS A906 ELEVATOR SPECIFICATIONS M001 LEGENDS AND NOTES - MECHANICAL M003 TITLE 24 - MECHANICAL M004 TITLE 24 - MECHANICAL M003 TITLE 24 - MECHANICAL M004 TITLE 24 - MECHANICAL M005 PLOR PLAN - NELMBING P202 SECOND FLOOR PLAN - NELMBING P203 PENTHOUSE FLOOR PLAN - PLUMBING P204 SECOND FLOOR PLAN - PLUMBING P205 SECOND FLOOR PLAN - PLUMBING P206 ELECTRICAL SYMBOLS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE<
	 BUILDING SUITABLE FOR IMMEDIATE TENANT IMPROVEMENTS OR MULTIP LEASES UPON FINALIZATION OF TENANT LEASE(S) - TENANT USE OR USE DETERMINED IN FUTURE TENANT IMPROVEMENT PROJECT OR PROJECTS WARM SHELL IMPROVMENTS AS FOLLOWS: INSTALLATION OF NEW ELEVATOR INCLUDING NEW SHAFT ENC EXISTING PIT AND EXISTING STEEL SHAFT FRAMING CONSTRUCTION OF NEW ELEVATOR MACHINE ROOM CONSTRUCTION OF ONE NEW STAIR TO SECOND FLOOR (ONE S SECOND FLOOR EXISTS) CONSTRUCTION OF NEW FISRT FLOOR AND SECOND FLOOR RE AND JANITOR CLOSETS CONSTRUCTION OF VARIOUS COMMON WALLS, CEILING FRAMII FURRING AND NEW GYPSUM BOARD WALL AND CEILING CLADD THROUGHOUT BUILDING NEW MECHANICAL HVAC SYSTEMS AND ELCTRICAL SYSTEMS
NOTES	DEFERRED APPROVA
SIBLE FOR THE VERIFICATION OF ALL , AND SHALL CORRELATE AT THE JOB SHALL REPORT ANY DISCREPANCIES TO ECTION PRIOR TO BEGINNING ANY SIBLE FOR THE WORK AND THE GAGENCIES, AND SHALL PROVIDE ALL ON THESE PLANS TO RENDER THE PONSIBILITY FOR THE SUPERVISION OF FOR THE SUPERVISION OF THE WORK COVER SCALED DIMENSIONS. ANY TO THE ARCHITECT IMMEDIATELY, STANTIALLY COMPLETE. IT IS THE R TO PROVIDE ALL LABOR AND COMPLETE, AS IS THE INTENT OF D HEREIN, THROUGH PROPER AND EIN ARE ASSUMED TO BE T THE ACTUAL CONDITION. THE DITIONS AND NOTIFY THE ARCHITECT IT OF WORK. L BE REGISTERED IN WRITING AT LEAST STS SHALL BE DIRECTED TO THE CORDANCE WITH SECTION 708 OF THE DAYS IN ADVANCE. REQUESTS SHALL BE CORDANCE WITH SECTION 708 OF THE	 SUBMIT SHOP DRAWINGS FOR MODIFICATIONS TO THE EXISTING FIRE S SYSTEM PER FIRE SPRINKLER NOTES BELOW FIRE SPRINKLER SPRINKLER DATE SPRINKLERED RUTTED BY THE INS FIRE SPRINKLER SYSTEM ARE REQUIRED TO BE SUBMITTED BY THE INS LICENSED FIRE SPRINKLER CONTRACTOR (C-16) TO THE FIRE PREVENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL VERIFY IN A "KNOX BOX" EXISTS, IF NOT A "KNOX B PROVIDED AND LOCATED PER FIRE DEPARTMENT RECOMMENDATIONS: EXISTS THEN CONTENTS SHALL BE UPDATED TO REFLECT NEW TENAN ACCESS KEYS INCLUDING A GRAND MASTER KEY FOR ROOMS, ELEVAT ACCESS KEYS TO THE FIRE ALARM PANEL AND SPECIAL ACCESS KEYS (U APPLICABLE) SHALL ALSO BE MADE PART OF THE "KNOX BOX" INVENTO 4. FIRE ALARM PLAN SUBMITTED IS FOR REFERENCE ONLY; A SEPARATE S REQUIRED. DRAWINGS AND SUPPORTIVE CALCULATIONS FOR ALL MOD THE EXISTING FIRE ALARM CONTRACTOR TO THE FIRE PREVENTION DE REVIEW AND APPROVAL PRIOR TO INSTALLATION. ALL PLAN SUBMITTALS REQUIRING FIRE SPRINKLERS, FIRE SERVICE UN ALARMS, AND HOOD AND DUCT SYSTEMS, SHALL BE SUBMITTED AND SI APPROVED BY THE FIRE DEPARTMENT AND STATE FIRE MARSHALL BE INSPECTION SHALL BE GRANTED BY THE BUILDING DEPARTMENT.
	ASHELL PROJECT IPANCY: GROUP A2 OR B (FUTURE - ASSUMED) TRUCTION: TYPE V-B SPRINKLERED ARDS LE 24, PART2. LE 24, PART2. TITLE 24, PART2. TITLE 24, PART2. TITLE 24, PART3 TITLE 24, PART3 E 24, PART4 TITLE 24, PART4 TITLE 24, PART4 TITLE 24, PART4 TITLE 24, PART4 TITLE 24, PART4 CALGROEN). COR TITLE 24, PART11 SPRC TO THE 24, PART12 FIRE MARSHAL CCR TITLE 24, PART12 FIRE MARSHAL CCA MENDED) LING CODE (CA AMENDED) CA READILY DISTINGUISHABLE MEANS OF PTER 11 (WHER APPLICABLE FOR OF THE CALIFORNIA BUILDING CODE. THE NOBSTRUCTED AND UNDIMINISHED PATH THIN THE BUILDING TO A PUBLIC WAY. SIBLE FOR THE WORK AND THE 3 AGTNESS. SIBLE FOR THE WORK AND THE SIGNE FOR THE SIGNE SHOULD SHORE SHALL SIGNE SIGNE FOR THE WORK AND THE SIGNE SIGNE FOR THE WORK AND THE SIGNE SIGNE FOR THE WORK AND THE SIGNE SIGNE SHOULD SHORE SHALL BE SIGNE SIGNE SHOULD SHORE SHALL BE SIGNE SIGNE SHOULD SHALL SIGNE SHOULD SHALL BE SIGNE SIGNE SHOULD SHALL SIGNE SHOULD SHALL BE SIGNE SIGNE SHOULD SHALL SIGNES SHOULD SHALL BE SIGNE SIGNE SIGNE



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TO THE EXISTING STALLING ION DEPARTMENT

BOX" SHALL BE . IF "KNOX BOX" L. EMERGENCY OR OVERRIDE KEY WHERE ORY.

SUBMITTAL IS DIFICATIONS TO EPARTMENT FOR

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A5.602 CALGreen VERIFICATION GUIDELINES MANDATORY MEASURES CHECKLIST (2019 SUPPLEMENT effective July 1, 2021)

Application: This checklist shall be used for nonresidential projects that meet one of the following: new construction, building additions of 1,000 square feet or greater, or building alterations with a permit valuation of \$200,000 or more pursuant to Section 301.3 AND do not trigger a Tier 1 or Tier 2 requirement:

 Y = Yes (section has been selected and/or included)
 N/A = Not Applicable (code section does not apply to the project—mainly used for additions and alterations)

O = Other (provide explanation)
 [N] = New construction pursuant to Section 301.3
 [A] = Additions and/or Alterations pursuant to Section 301.3

Chapter 5 Divisions

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Storm water pollution prevention for projects that disturb less than 1 acre of land	5.106.1 through 5.106.2					
Mandatory	Short-term bicycle parking (with exception)	5.106.4.1.1					
Mandatory	Long-term bicycle parking	5.106.4.1.2 through 5.106.4.1.5					
Mandatory	Designated parking for clean air vehicles with footnote and note	5.106.5.2					
Mandatory	Parking stall marking	5.106.5.2.1	2		с. — С.		
Mandatory	Single charging space requirements	5.106.5.3.1					
Mandatory	Multiple charging space requirements [N]	5.106.5.3.2					
Mandatory	EV charging space calculation [N] (with exceptions)	5.106.5.3.3					
Mandatory	[N] Identification	5.106.5.3.4			a		
Mandatory	[N] Future charging spaces with note	5.106.5.3.5					

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Commissioning report [N]	5.410.2.6					
Mandatory	Testing and adjusting for new buildings < 10,000 sf ornew systems that serve additions or alterations [A]	5.410.4					
Mandatory	System testing plan for renewable energy, landscape irrigation and water reuse [A]	5.410.4.2					
Mandatory	Procedures for testing and adjusting	5.410.4.3					
Mandatory	Procedures for HVAC balancing	5.410.4.3.1					
Mandatory	Reporting for testing and adjusting	5.410.4.4					
Mandatory	Operation and maintenance (O&M) manual	5.410.4.5					
Mandatory	Inspection and reports	5.410.4.5.1					

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC OR ATTACH REFERENCE
Mandatory	Fireplaces	5.503.1					
Mandatory	Woodstoves	5.503.1.1					
Mandatory	Temporary ventilation	5.504.1					
Mandatory	Covering of ducts openings and protection of mechanical equipment during construction	5.504.3					
Mandatory	Adhesives, sealants, and caulks	5.504.4.1					
Mandatory	Paints and coatings	5.504.4.3		-		с	
Mandatory	Aerosol paints and coatings	5.504.4.3.1					

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Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Light pollution reduction [N] (with exceptions, notes and table)	5.106.8					
Mandatory	Grading and paving (exception for additions and alterations not altering the drainage path)	5.106.10					

iirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
latory	Meet the minimum energy efficiency standard	5.201.1					
	DIVISION 5.3 W	ater Efficien	cy a	nd (Conse	rvati	on
iirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
latory	Separate meters (new buildings or additions > 50,000 sfthat consume more than 100 gal/day)	5.303.1.1					
latory	Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2					
latory	Water closets shall not exceed 1.28 gallons per flush (gpf)	5.303.3.1					
latory	Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1					
latory	Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2					

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Single showerhead shall have maximum flow rate of 1.8 gpm (gallons per minute) at 80 psi	5.303.3.3.1					
Mandatory	Multiple showerheads serving one shower shall have a combined flow rate of 1.8 gpm at 80 psi	5.303.3.3.2					
Mandatory	Nonresidential lavatory faucets	5.303.3.4.1					
Mandatory	Kitchen faucets	5.303.3.4.2					
Mandatory	Wash fountains	5.303.3.4.3					
Mandatory	Metering faucets	5.303.3.4.4					
Mandatory	Metering faucets for wash fountains	5.303.3.4.5					
Mandatory	Pre-rinse spray valve	5.303.3.4.6					
Mandatory	Food waste disposers	5.303.4.1					
Mandatory	Areas of additions or alterations	5.303.5	<u>.</u>				
Mandatory	Standards for plumbing fixtures and fittings	5.303.6					
Mandatory	Outdoor potable water use in landscape areas (with notes)	5.304.1					

Requirement	SECTION TITLE	CODE SECTION	Y	Ν	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Weather protection	5.407.1					
Mandatory	Moisture control: sprinklers	5.407.2.1					
Mandatory	Moisture control: exterior door protection	5.407.2.2.1					
Mandatory	Moisture control: flashing	5.407.2.2.2					

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1					
Mandatory	Chlorofluorocarbons (CFCs)	5.508.1.1					
Mandatory	Halons	5.508.1.2					
Mandatory	Supermarket refrigerant leak reduction for retail food stores 8,000 square feet or more	5.508.2 through 5.508.2.6.3					
	END OF MANDATORY PROVISIONS						

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Aerosol paints and coatings: verification	5.504.4.3.2					
Mandatory	Carpet systems	5.504.4.4	[
Mandatory	Carpet cushion	5.504.4.4.1					
Mandatory	Carpet adhesives per Table 5.504.4.1	5.504.4.4.2					
Mandatory	Composite wood products	5.504.4.5					
Mandatory	Composite wood products: documentation	5.504.4.5.3					
Mandatory	Resilient flooring systems	5.504.4.6				3	
Mandatory	Resilient flooring: verification of compliance	5.504.4.6.1					
Mandatory	Filters (with exceptions)	5.504.5.3					
Mandatory	Filters: labeling	5.504.5.3.1					
Mandatory	Environmental tobacco smoke (ETS) control	5.504.7					
Mandatory	Indoor moisture control	5.505.1					
Mandatory	Outside air delivery	5.506.1	1				
Mandatory	Carbon dioxide (CO2) monitoring	5.506.2					
Mandatory	Acoustical control (with exception)	5.507.4					
Mandatory	Exterior noise transmission, prescriptive method (with exceptions)	5.507.4.1					
Mandatory	Noise exposure where noise contours are not readily available	5.507.4.1.1					
Mandatory	Performance method	5.507.4.2				· · · · ·	
Mandatory	Site features	5.507.4.2.1					
Mandatory	Documentation of compliance	5.507.4.2.2					
Mandatory	Interior sound transmission (with note)	5.507.4.3					

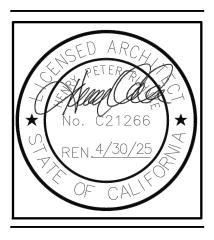
Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	0	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Construction waste management—comply with either: Sections 5.408.1.1, 5.408.1.2, 5.408.1.3 or more stringent local ordinance	5.408.1.1, 5.408.1.2, 5.408.1.3					
Mandatory	Construction waste management: documentation	5.408.1.4					
Mandatory	Universal waste [A]	5.408.2					
Mandatory	Excavated soil and land clearing debris (100% reuse or recycle)	5.408.3					
Mandatory	Recycling by occupants (with exception)	5.410.1					
Mandatory	Recycling by occupants: additions (with exception)	5.410.1.1					
Mandatory	Recycling by occupants: sample ordinance	5.410.1.2					
Mandatory	Commissioning new buildings (≥ 10,000 sf) [N]	5.410.2					
Mandatory	Owner's or owner representative's Project Requirements (OPR) [N]	5.410.2.1					
Mandatory	Basis of Design (BOD) [N]	5.410.2.2					
Mandatory	Commissioning plan [N]	5.410.2.3					
Mandatory	Functional performance testing [N]	5.410.2.4					
Mandatory	Documentation and training [N]	5.410.2.5					
Mandatory	Systems manual [N]	5.410.2.5.1					
Mandatory	Systems operation training [N]	5.410.2.5.2					



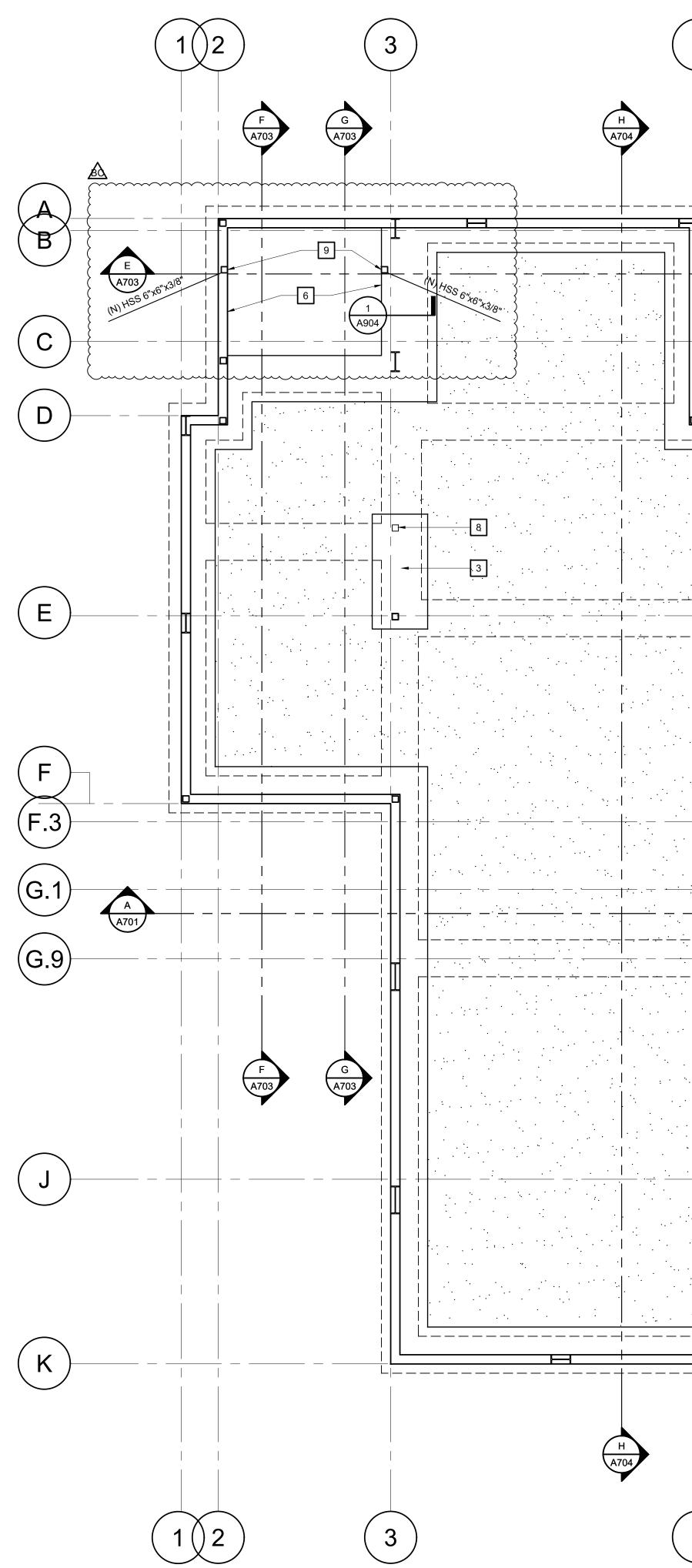
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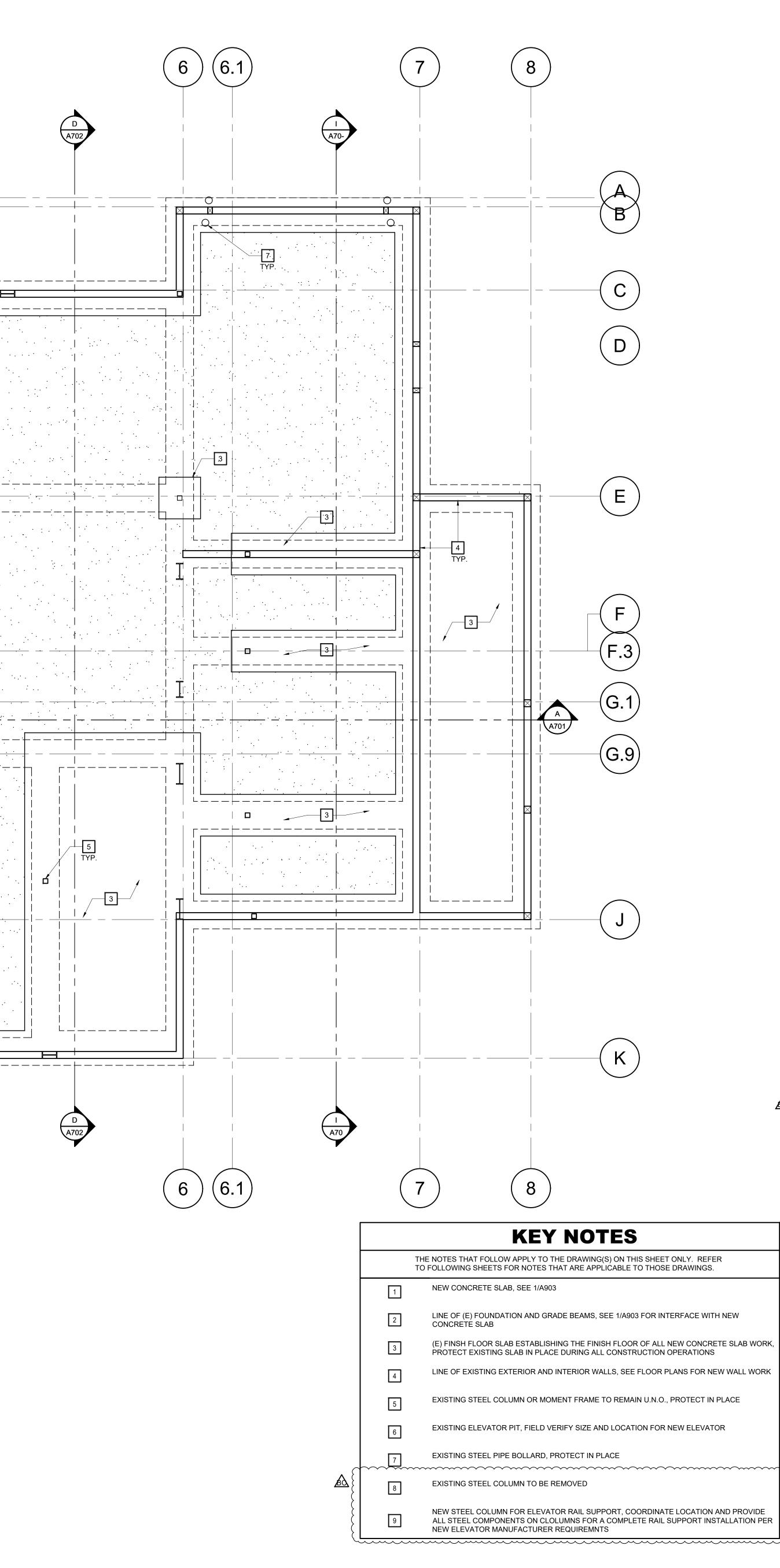
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MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000
PLOT I DRAW CHECI SET IS PLAN C	DATE: DATE: N BY: (ED BY: SUED: HECK SUE	7.20.2023 DD - 3MITTAL: 12/16/22 3MITTAL: 7/10/23 10/1/23
CA	ECK	REEN LIST



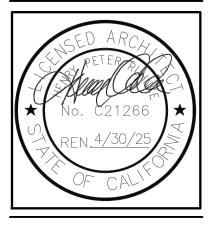
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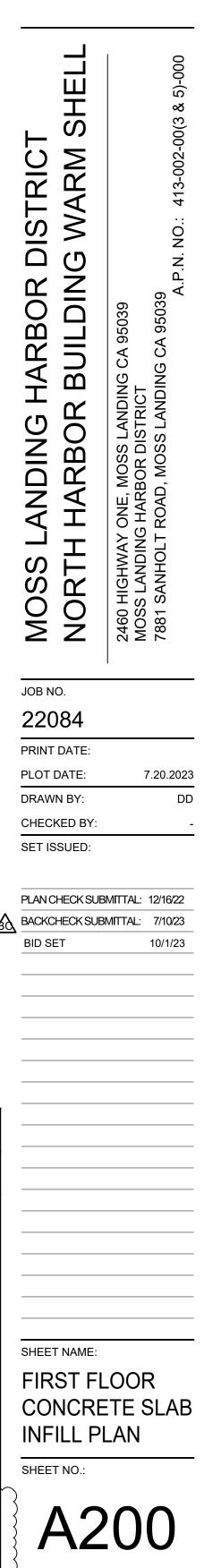


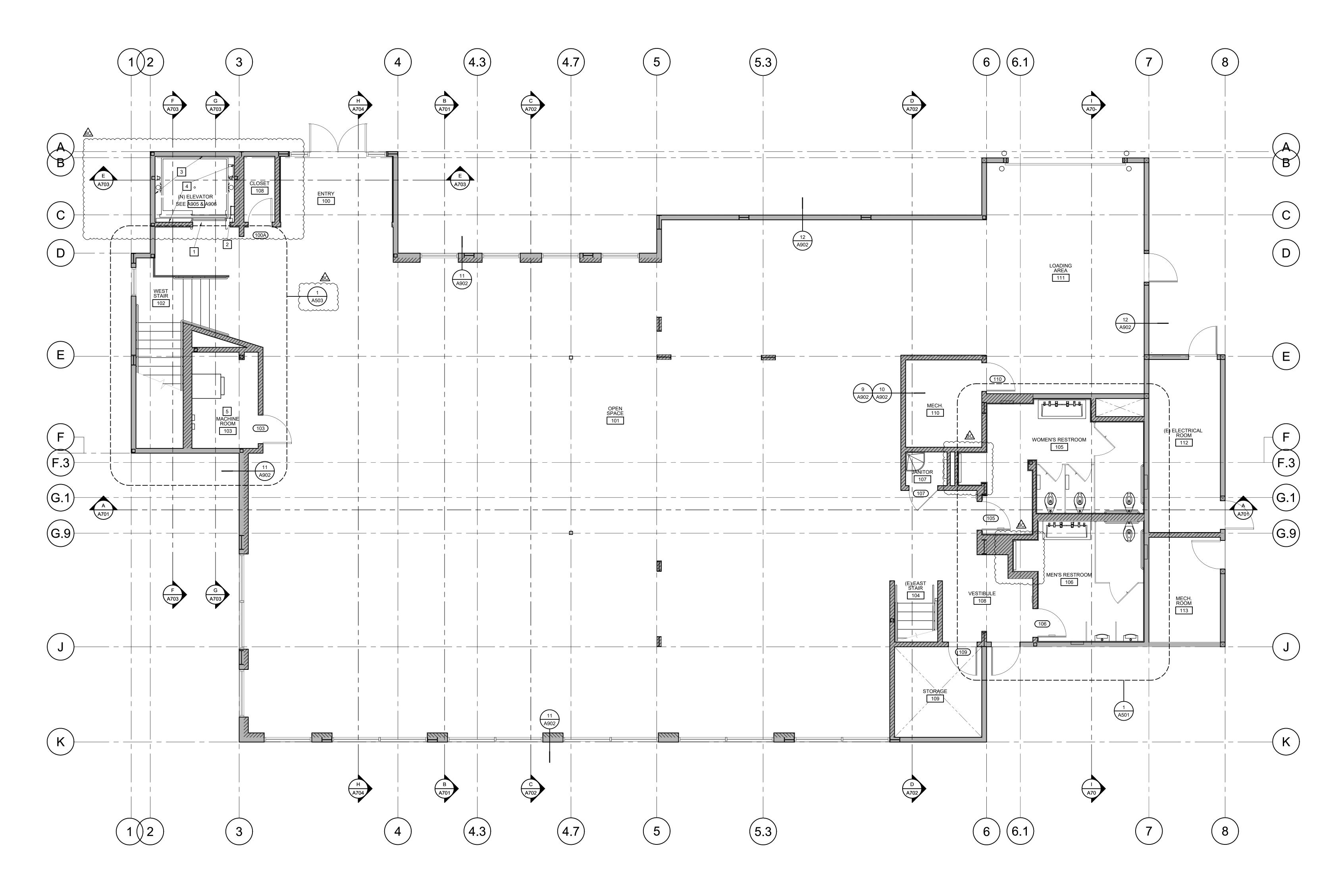


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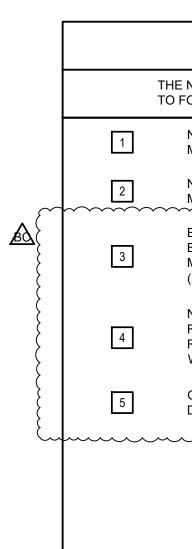




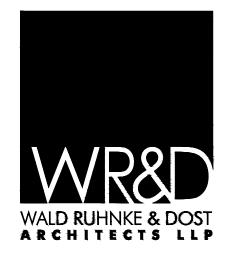




FIRST FLOOR PLAN



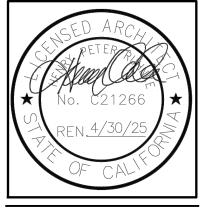
WALL LEGEND
(E) WOOD STUD EXTERIOR WALL
(N) 2x WOOD STUD WALL (N) 2x WOOD STUD STUD FURRING OVER (E)
(N) 2x WOOD STUD FURRING OVER (E) WOOD STUD WALL
}

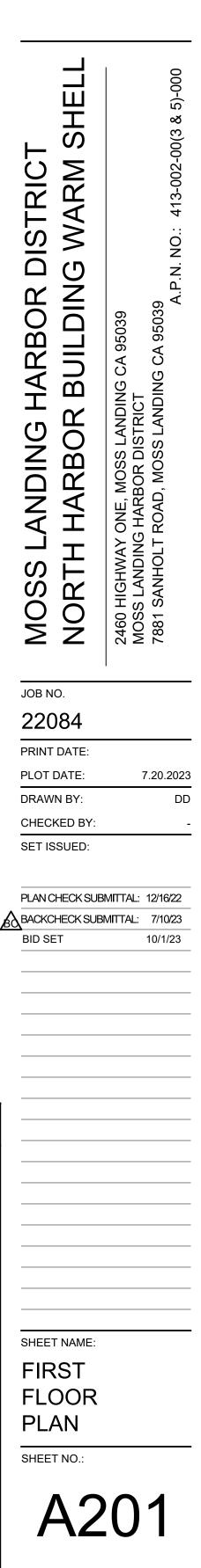


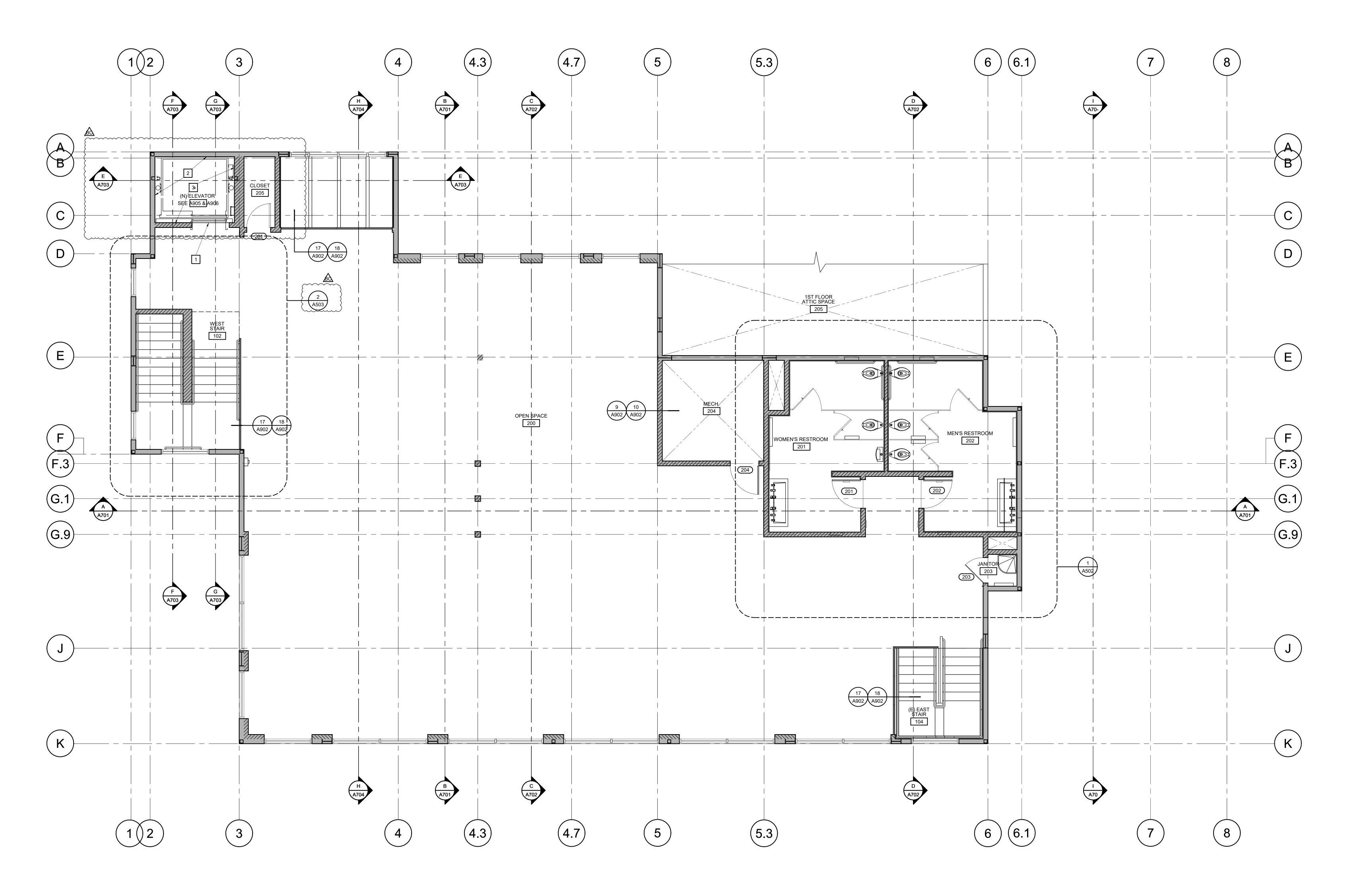
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SECOND FLOOR PLAN SCALE: 1/4"=1'-0"

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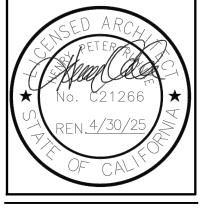
OLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWINGS. (E) WOOD STUD EXTERIOR WALL NEW STEEL ELEVATOR SILL, SEE 5/A703, COORDINATE DETASILS WITH NEW ELEVATOR (N) 2x WOOD STUD EXTERIOR WALL MANUFACTURER REQUIREMNTS (N) 2x WOOD STUD WALL EXISTING EXTERIOR WALL AT ELEVATOR AT ELEVATOR HOISTWAY, PROVIDE NEW GYPSUM (N) 2x WOOD STUD WALL BOARD FINISHES AT INTERIOR SIDE FOR ONE HOUR RATING : 2x4 MIN. WOOD STUDS @ 24" O.C. (N) 2x WOOD STUD STUD FURRING OVER (E) WAX. W/ 5/8" TYPE 'X' GYPSUM WALLBOARD AT INTERIOR SIDE APPLIED PER CBC TABLE 721.1 (N) 2x WOOD STUD WALL NEW ONE HOUR RATED INTERIOR WALLS AT ELEVATOR HOISTWAY, THICKEN STUDS AS WOOD STUD WALL NEW ONE HOUR RATED INTERIOR WALLS AT ELEVATOR HOISTWAY, THICKEN STUDS AS WOOD STUD WALL	NEW STEEL ELEVATOR SILL, SEE 5/A703, COORDINATE DETASILS WITH NEW ELEVATOR MANUFACTURER REQUIREMNTS EXISTING EXTERIOR WALL AT ELEVATOR AT ELEVATOR HOISTWAY, PROVIDE NEW GYPSUM BOARD FINISHES AT INTERIOR SIDE FOR ONE HOUR RATING : 2x4 MIN. WOOD STUDS @ 24" O.C. MAX. W/ 5/8" TYPE 'Y' CYPSUM WALL ROARD AT INTERIOR SIDE ADDUIED DED CRC TABLE 721.1 (N) 2x WOOD STUD STUD FURRING OVER (E)	KEY NOTES	WALL LEGEND
NEW STEEL ELEVATOR SILL, SEE 5/A703, COORDINATE DETASILS WITH NEW ELEVATOR MANUEACTURER REQUIREMNTS EXISTING EXTERIOR WALL AT ELEVATOR AT ELEVATOR HOISTWAY, PROVIDE NEW GYPSUM BOARD FINISHES AT INTERIOR SIDE FOR ONE HOUR RATING : 2x4 MIN. WOOD STUDS @ 24" O.C. MAX. W/ 5/8" TYPE 'X' GYPSUM WALLBOARD AT INTERIOR SIDE APPLIED PER CBC TABLE 721.1 (2) ITEM NO. 14-1.3 NEW ONE HOUR RATED INTERIOR WALLS AT ELEVATOR HOISTWAY, THICKEN STUDS AS REQUIRED FOR LAYOUT, NEW GYPSUM BOARD FINISHES AT EACH SIDE FOR ONE HOUR	NEW STEEL ELEVATOR SILL, SEE 5/A703, COORDINATE DETASILS WITH NEW ELEVATOR MANUEACTURER REQUIREMNTS EXISTING EXTERIOR WALL AT ELEVATOR AT ELEVATOR HOISTWAY, PROVIDE NEW GYPSUM BOARD FINISHES AT INTERIOR SIDE FOR ONE HOUR RATING : 2x4 MIN. WOOD STUDS @ 24" O.C. MAX. W/ 5/8" TYPE 'X' GYPSUM WALLBOARD AT INTERIOR SIDE APPLIED PER CBC TABLE 721.1 (2) ITEM NO. 14-1.3 NEW ONE HOUR RATED INTERIOR WALLS AT ELEVATOR HOISTWAY, THICKEN STUDS AS REQUIRED FOR LAYOUT, NEW GYPSUM BOARD FINISHES AT EACH SIDE FOR ONE HOUR RATING: 2x4 MIN. WOOD STUDS @ 24" O.C. MAX. W/ 5/8" TYPE 'X' GYPSUM		
		MANUEAGTURER REQUIREMNTS EXISTING EXTERIOR WALL AT ELEVATOR AT ELEVATOR HOISTWAY, PROVIDE NEW GYPSUM BOARD FINISHES AT INTERIOR SIDE FOR ONE HOUR RATING : 2x4 MIN. WOOD STUDS @ 24" O.C. MAX. W/ 5/8" TYPE 'X' GYPSUM WALLBOARD AT INTERIOR SIDE APPLIED PER CBC TABLE 721.1 (2) ITEM NO. 14-1.3 NEW ONE HOUR RATED INTERIOR WALLS AT ELEVATOR HOISTWAY, THICKEN STUDS AS REQUIRED FOR LAYOUT, NEW GYPSUM BOARD FINISHES AT EACH SIDE FOR ONE HOUR	(N) 2x WOOD STUD WALL (N) 2x WOOD STUD FURRING OVER (E)

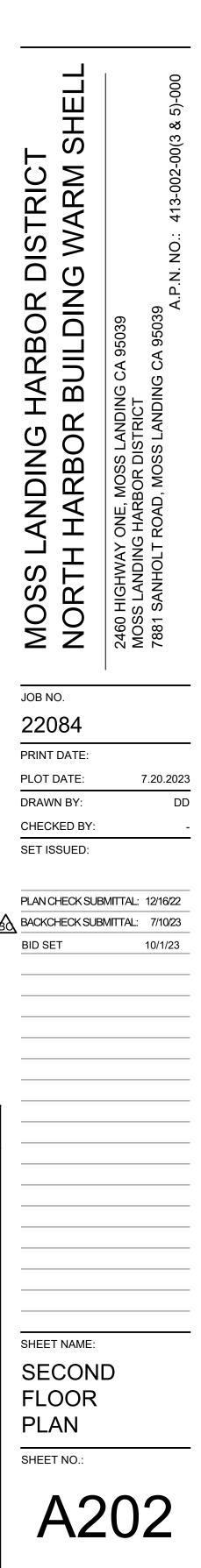


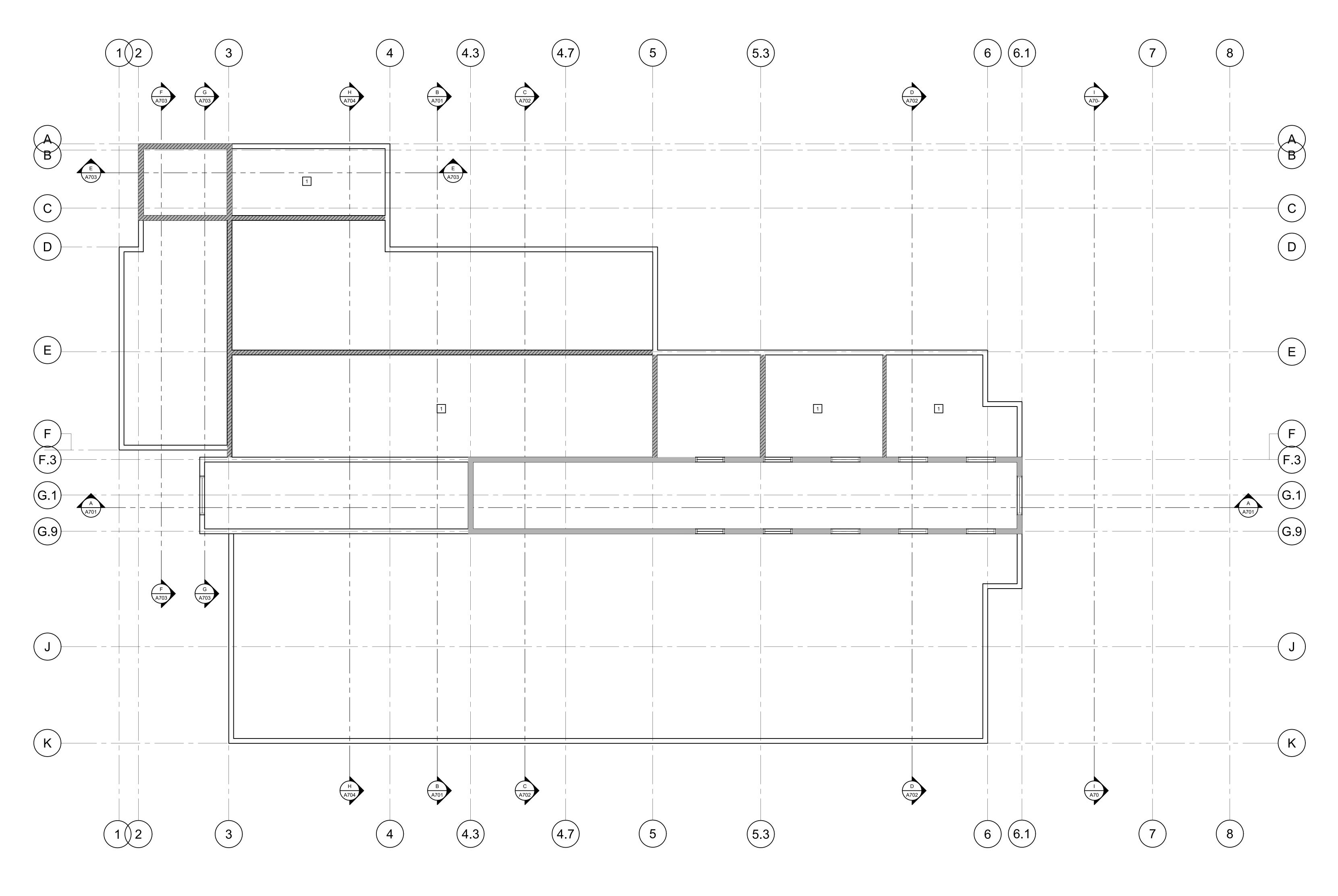
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PENTHOUSE LEVEL FLOOR PLAN SCALE: 1/4"=1'-0"



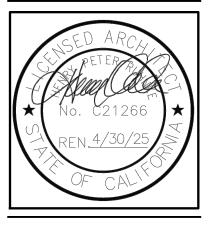
KEY NOTES		WALL LEGEND
HE NOTES THAT FOLLOW APPLY TO THE DRAWING(S) ON THIS SHEET ONLY. REFER O FOLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWINGS.		
NEW ATTIC AREA, PROVIDE ACCESS OPENINGS FOR WORKER ACCESS FROM MEZZANINE TO ATTICS AND/OR BETWEEN ATTICS FOR ALL ATTICS WITH MORE THAN 15" OF VERTICAL HEIGHT, EXACT LOCATION AS DIRRECTED IN THE FIELD		(E) WALL BELOW, OR EXISTING HIGH CEILING WALLS ADJACENT TO PENTHOUSE, SEE FLOOR PLANS (E) PENTHOUSE WALL
	<u>/////////////////////////////////////</u>	(N) 2x WOOD STUD WALL OR VERTICAL CEILING TRANSITION WALL

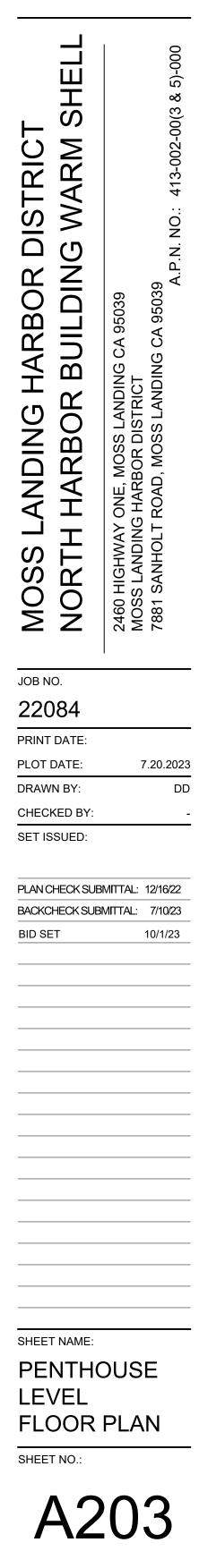


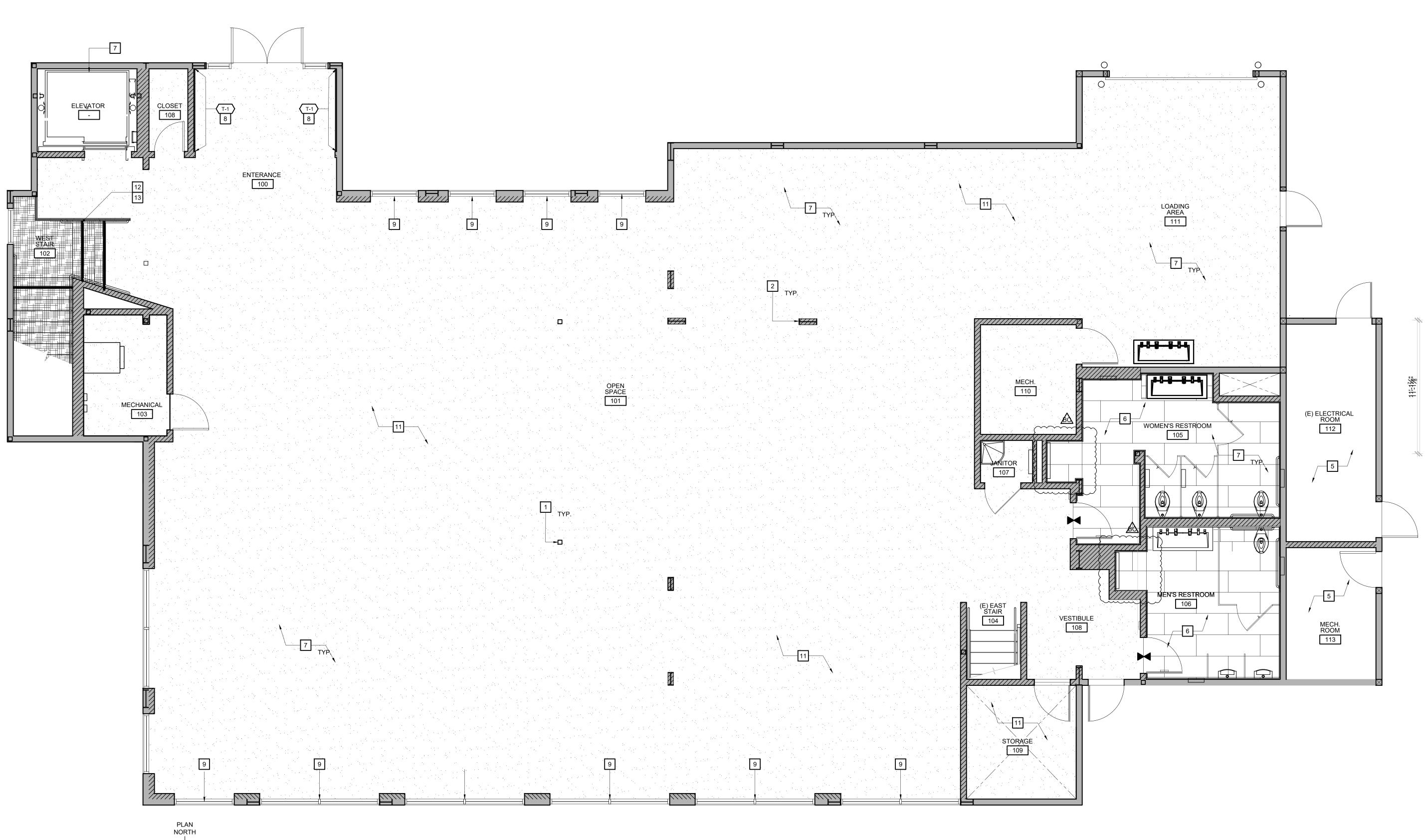
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FIRST FLOOR FINISH PLAN

	FINISH GENERAL NOTES
1.	ALL WALLS SHALL BE FINISHED WITH %" TYPE 'X' GYPSUM WALLBOARD CONFORMING TO A.S.T.M C 36 AND SHALL BE INSTALLED IN ACCORDANCE A THE PROVISIONS OF CBC SECTION 2508 AND TABLE 2506.2. SEE WALL TYPE SHEET A800.
2.	ALL WET WALLS FOR TUB, SHOWER OR WATER CLOSET COMPARTMENT APPLICATIONS SHALL BE FINISHED WITH CEMENT, FIBER-CEMENT OR GLAS GYP BACKERS IN COMPLIANCE WITH ASTMC1178, C1288 OR C1325 AND SHA INSTALLED IN ACCORDANCE WITH CBC SECTION 2509.2.
3.	CONTRACTOR SHALL SEAL ALL NEW WALL BOARD CONDITIONS WITH PVA P PRIOR TO FINISH PAINT. APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
4.	CONTRACTOR SHALL SUBMIT SAMPLES PRIOR TO PLACING FULL ORDERS W MATERIALS ARE NOT RETURNABLE.
5.	FLOAT OUT ALL FLOOR AREAS WHERE THE FLOOR IS NOT LEVEL OR TRUE N LEVELING COMPOUND TO MATCH THE JOB CONDITION PRIOR TO THE INSTALLATION OF FINISH FLOOR MATERIALS. LEVELING COMPOUND SHALL INSTALLED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATION.
6. 7.	ALL PAINT FINISH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFAC SPECIFICATIONS FOR THE PARTICULAR SURFACE. ALL PAINT FINISH OF METAL DOOR FRAMES, PERIMETER ENCLOSURES, ETC
8.	SHALL BE SEMI-GLOSS, U.N.O. CONTRACTOR SHALL PATCH AND PAINT AND/OR RE-FINISH ALL EXISTING W CONDITIONS AS REQUIRED TO MATCH THE EXISTING CONDITION. VERIFY V
9.	OWNER. ALL FLOORING MATERIAL TRANSITIONS SHALL OCCUR AT THE CENTERLINE DOORS SEPARATING ROOMS U.N.O.
10.	FLOORING SUB-CONTRACTOR(S) SHALL FIELD VERIFY THE EXISTING FLOOF CONDITION PRIOR TO BID AND INSTALLATION
11.	ALL TILE AND HARDWOOD FLOORING SHALL BE INSTALLED IN ACCORDANC MANUFACTURER'S RECOMMENDATIONS
12.	MECHANICAL ROOM PARTITIONS SHALL BE CONSTRUCTED WITH A MINIMUM SOUND RATING OF STC 50. PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE (FLOOR OR ROOF) ABOVE.
-	ALL WALL AND CEILING FINISH MATERIALS SHALL NOT EXCEED THE FLAME CLASSIFICATION OF THE TABLE 8-B OF THE CURRENT EDITION OF THE C.B.O
14.	WHERE INDICATED IN PLANS, SOUND ATTENUATED WALLS SHALL BE CONSTRUCTED TO PROVIDE A MINIMUM SOUND RATING OF STC-50. INSULA BATTS SHALL BE PLACED ON EACH SIDE OF WALL ABOVE SUSPENDED CEIL ALONG THE ENTIRE LENGTH OF THE WALL. ALL WALL CAVITIES SHALL BE F WITH R-11 VALUE SOUND ATTENUATION WITH A FLAME SPREAD RATING OF
	FIRE BLOCKING SHALL BE PROVIDED AS REQUIRED AND IN ACCORDANCE V THE CURRENT EDITION OF THE C.B.C.
	GYPSUM BOARD WALL / CEILING SHALL BE LEVEL 4, SMOOTH FINISH AND PI FOR PAINT, TYP. ALL EXPOSED METAL SHALL BE SANDED, PREP, AND PRIMED FOR PAINT (P-
	FINISH KEY NOTES
1	(E) STEEL HALLOW TUBES TO BE PREPPED FOR PAINTING. (E) I-BEAMS TO BE COVERED IN GYPSUM WALL BOARD.
3	(NOT USED)
4	(NOT USED)
5	NEW TILE IN RESTROOM. SEE ROOM FINISH SCHEDULE A213.
6	NEW RESTROOMS, SEE ENLARGED ON INTERIOR ELEVATIONS SHEET 1/A501.
7	PRIME ALL GYPSUM BOARD FOR PAINT, TYPICAL.
8	ACCENT WALL, TILE FROM FLOOR TO CEILING. SEE ROOM FINISH SCHEDULE A213.
9	(N) WINDOW COVERINGS. SEE ROOM FINISH SCHEDULE A213.
10	(NOT USED)
11	POUR (N) CONCRETE AND APPLY SEALANT. FIRST FLOOR, ONLY.
12	TILE STAIRCASE AND LANDING. SEE ROOM FINISH SCHEDULE A213.
13	INSTALL 3M SAFETY-WALK 2" BLACK ANTI-SLIP TAPE ON ACCENT TREADS. FIRST STEP AND LAST STEP BEFORE LANDING TO BE ACCENT TREADS. INSTALL TAPE MIN. 1" FROM EDGE OF TREAD NOSING.
14	NEW CEILING-MOUNTED PENDANT LIGHT INSTALLED ABOVE. SEE SECOND FLOOR RCP A223.
	LEGEND
	X-# FINISH TAG, SEE FINISH LEGEND
	FINISH FLOOR OR FINISH FLOOR COLOR TRANSITION LINE.
	CONC-1 / CONC-2, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.

	LEGEND
X-#	FINISH TAG, SEE FINISH LEGEND
—X —	FINISH FLOOR OR FINISH FLOOR COLOR TI
	CONC-1 / CONC-2, SEE FINISH LEGEND & RO SHEET A213.
	T-3, SEE FINISH LEGEND & ROOM FINISH SC

T-4 AND T-5, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.

LBOARD CORDANCE WITH E WALL TYPE ON

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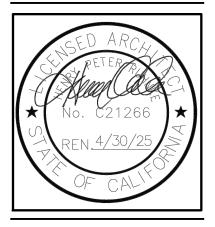
OR PAINT (P-2). TYP.

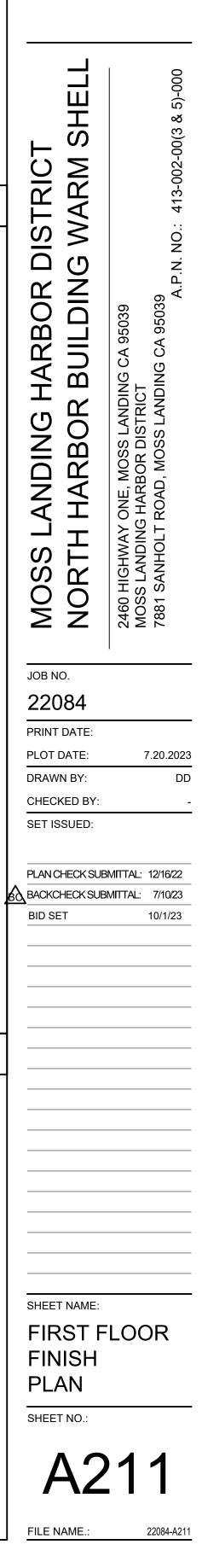


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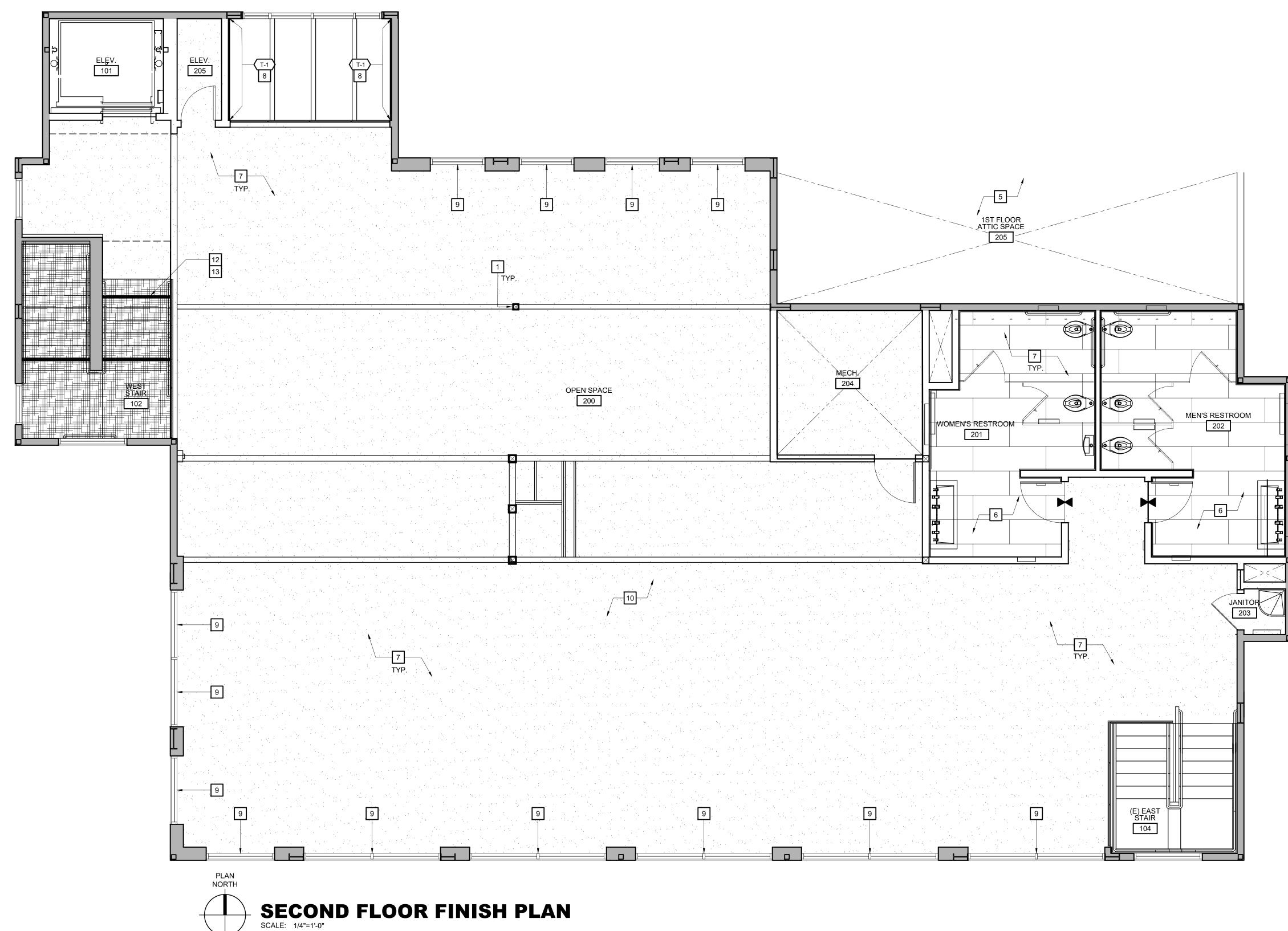
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H SCHEDULE

SCHEDULE SHEET A213.



FINISH GENERAL NOTES

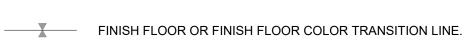
- ALL WALLS SHALL BE FINISHED WITH %" TYPE 'X' GYPSUM WALLBOARD CONFORMING TO A.S.T.M C 36 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF CBC SECTION 2508 AND TABLE 2506.2. SEE WALL TYPE ON SHEET A800.
- ALL WET WALLS FOR TUB, SHOWER OR WATER CLOSET COMPARTMENT APPLICATIONS SHALL BE FINISHED WITH CEMENT, FIBER-CEMENT OR GLASS MAT GYP BACKERS IN COMPLIANCE WITH ASTMC1178, C1288 OR C1325 AND SHALL BE INSTALLED IN ACCORDANCE WITH CBC SECTION 2509.2.
- CONTRACTOR SHALL SEAL ALL NEW WALL BOARD CONDITIONS WITH PVA PRIMER PRIOR TO FINISH PAINT. APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
- 4. CONTRACTOR SHALL SUBMIT SAMPLES PRIOR TO PLACING FULL ORDERS WHERE MATERIALS ARE NOT RETURNABLE.
- FLOAT OUT ALL FLOOR AREAS WHERE THE FLOOR IS NOT LEVEL OR TRUE WITH A LEVELING COMPOUND TO MATCH THE JOB CONDITION PRIOR TO THE INSTALLATION OF FINISH FLOOR MATERIALS. LEVELING COMPOUND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATION.
- 6. ALL PAINT FINISH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
- ALL PAINT FINISH OF METAL DOOR FRAMES, PERIMETER ENCLOSURES, ETC., SHALL BE SEMI-GLOSS, U.N.O.
- B. CONTRACTOR SHALL PATCH AND PAINT AND/OR RE-FINISH ALL EXISTING WALL CONDITIONS AS REQUIRED TO MATCH THE EXISTING CONDITION. VERIFY WITH OWNER.
- 9. ALL FLOORING MATERIAL TRANSITIONS SHALL OCCUR AT THE CENTERLINE OF THE DOORS SEPARATING ROOMS U.N.O.
- 10. FLOORING SUB-CONTRACTOR(S) SHALL FIELD VERIFY THE EXISTING FLOOR CONDITION PRIOR TO BID AND INSTALLATION
- 11. ALL TILE AND HARDWOOD FLOORING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- 12. MECHANICAL ROOM PARTITIONS SHALL BE CONSTRUCTED WITH A MINIMUM SOUND RATING OF STC 50. PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE (FLOOR OR ROOF) ABOVE.
- 13. ALL WALL AND CEILING FINISH MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATION OF THE TABLE 8-B OF THE CURRENT EDITION OF THE C.B.C.
- 14. WHERE INDICATED IN PLANS, SOUND ATTENUATED WALLS SHALL BE CONSTRUCTED TO PROVIDE A MINIMUM SOUND RATING OF STC-50. INSULATION BATTS SHALL BE PLACED ON EACH SIDE OF WALL ABOVE SUSPENDED CEILING ALONG THE ENTIRE LENGTH OF THE WALL. ALL WALL CAVITIES SHALL BE FILLED WITH R-11 VALUE SOUND ATTENUATION WITH A FLAME SPREAD RATING OF 25.
- 15. FIRE BLOCKING SHALL BE PROVIDED AS REQUIRED AND IN ACCORDANCE WITH THE CURRENT EDITION OF THE C.B.C.
- 16. GYPSUM BOARD WALL / CEILING SHALL BE LEVEL 4, SMOOTH FINISH AND PRIMED FOR PAINT, TYP. 17. ALL EXPOSED METAL SHALL BE SANDED, PREP, AND PRIMED FOR PAINT (P-2). TYP.

FINISH KEY NOTES

1	(E) STEEL HALLOW TUBES TO BE PREPPED FOR PAINTING.
2	(NOT USED)
3	(NOT USED)
4	TILE FLOORING IN RESTROOMS. SEE ROOM FINISH SCHEDULE A213.
5	NO WORK IN HERE
6	RESTROOMS, SEE ENLARGED ON INTERIOR ELEVATIONS SHEET 1/A501.
7	PRIME ALL GYPSUM BOARD FOR PAINT, TYPICAL.
8	ACCENT WALL, TILE FROM FLOOR TO CEILING. SEE ROOM FINISH SCHEDULE A213.
9	WINDOW COVERINGS. SEE ROOM FINISH SCHEDULE A213.
10	(E) CONCRETE TO BE SANDED AND RECEIVE (N) CONCRETE SEALER. SECOND FLOOR, ONLY.
11	(NOT USED)
12	TILE STAIRCASE AND LANDING. SEE ROOM FINISH SCHEDULE A213.
13	INSTALL 3M SAFETY-WALK 2" BLACK ANTI-SLIP TAPE ON ACCENT TREADS. FIRST STEP AND LAST STEP BEFORE LANDING TO BE ACCENT TREADS. INSTALL TAPE MIN. 1" FROM EDGE OF TREAD NOSING.

F	IN	ISH	LEC	GEI	ND

X-# FINISH TAG, SEE FINISH LEGEND





T-3, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.

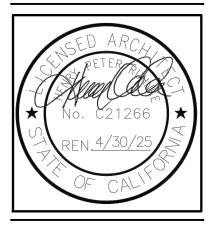
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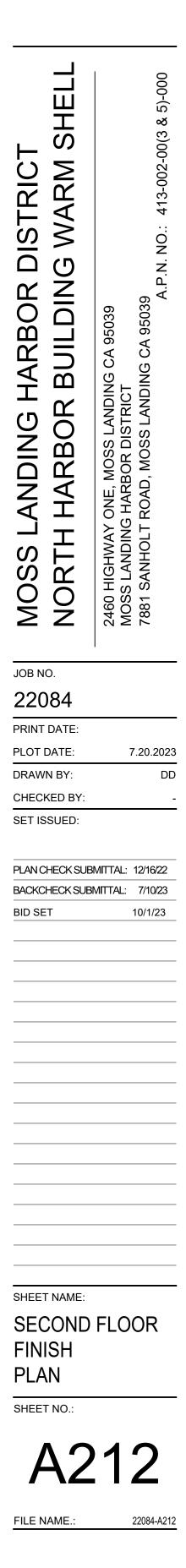
ST-1, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.



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107 A 109 A 110 A				3'-0"	7'-0" 7'-0"	1 3/4"	5	6	7		нм	3		
110 A				3'-0"	7'-0"	1 3/4"	5	6			НМ	1		
		•		3'-0"	7'-0"	1 3/4"	5	6			НМ	2		
200 A				3'-0"	7'-0"	1 3/4"	5	6			НМ	2		
200 A														
				2'-6"	7'-0"	1 3/4"	5	6			НМ	1		
201 A				3'-0"	7'-0"	1 3/4"	5	6	7		НМ	3		
202 A 203 A				3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	5	6	7		нм	3		
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ROOM FINISH SCHEDULE												
				WAL	LS (PLAN DIRECTION)		PLAN	WAINSCOT	CSWK.			
	ROOM NAME	FLR.	BASE	N.	E.	S.	W.	WAI	CTR. TOP	CAB. WORK	CLG.	NOTES
100	ENTRY	CONC-1	-	T-1	T-1		T-1				C-2	
101	OPEN SPACE	CONC-1	-	P-1	P-1	P-1	P-1				C-2	
102	WEST STAIR	T-4 T-5	-	P-1	P-1	P-1	P-1				-	
103	MECHANICAL	CONC-1	B-2	P-1	P-1	P-1	P-1		-	-	C-2	
104	JANITOR	CONC-1	B-2	WP-1	WP-1	WP-1	WP-1				C-2	
105	WOMEN'S RESTROOM	CONC-1	B-1	P-1	P-1 T-2	P-1 T-2	P-1		SS-1		C-1	
106	MENS RESTROOM	CONC-1	B-1	P-1 T-2	P-1 T-2	P-1 T-2	P-1		SS-1		C-1	
107	EXISTING EAST STAIR	-	-	-	-	-	-					
108	CLOSET	CONC-1	B-1	P-1 T-2	P-1 T-2	P-1 T-2	P-1					
200	OPEN SPACE	CONC-2		P-1	P-1	P-1	P-1					
201	MEN'S RESTROOM	CONC-2	B-1	P-1 T-2	P-1 T-2	P-1 T-2	P-1 T-2		SS-1		C-1	
202	WOMEN'S RESTROOM	CONC-2	B-1	P-1 T-2	P-1 T-2	P-1 T-2	P-1 T-2		SS-1		C-1	
203	CLOSET	CONC-2	B-1	P-1 T-2	P-1 T-2	P-1 T-2	P-1					
-	ELEVATOR	EV-1	-	EV-1	EV-1	EV-1	EV-1					

FINISH LEGEND

FLOORIN	IG:		BASE:		
CONC - 1	TYPE: MANUFACTURER: STYLE/FINISH: COLOR/PATTERN:	SEALED CONCRETE	B-1	MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE:	COVE BASE AMERICAN OLEAN NEOCRETE CHARCOAL NE14 #P36C9 6" X 12" X 5/16" THICKNESS
	SIZE: NOTE: CONTACT:	LOCATED AT FIRST FLOOR		NOTE: CONTACT:	- ALMA FUNSTON 408.687.7445 ALMA.FUNSTON@DALTILE.COM
CONC - 2	TYPE: MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE:		B-2	SIZE:	RESILIENT BASE TARKETT TRADITIONAL DURACOVE THERMOPLASTIC VAPOR GREY CG 23 6" H WITH TOE
	NOTE: CONTACT:	LOCATED AT SECOND FLOOR		NOTE: CONTACT:	- Katy Torres 408.623.3435 katy.torres@tarkett.com
T-3	TYPE: MANUFACTURER:		CEILING	6:	
	STYLE/FINISH:	NEST MEDITATIVE OAK AV357 8" X 36" X 10.5" MM THICKNESS - Douglas Gonzales dgonzales@longust.com (510) 516-5332	C-1	SIZE: NOTE:	GYPSUM CEILING, PAINTED - FLAT VERIFY WITH ARCHITECT N/A -
T-4	TYPE:	STAIRCASE TREAD		CONTACT:	-
	MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE: NOTE: CONTACT:	LIFE	C-2	SIZE: NOTE:	EXPOSED STEEL DECK, PAINTED - FLAT VERIFY WITH ARCHITECT N/A -
T-5	MANUFACTURER:	LIFE	ELEVAT	CONTACT:	-
	SIZE: NOTE:	7 7/8" X 47 2/8" 9MM 14-16 WEEK LEAD TIME Brian Millard 415-757-7733 brian@specceramics.com	EV-1	TYPE: MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE:	ASCEND ELEVATOR PROTECTION SYSTEM
WALL:				NOTE: CONTACT:	- RYAN STELTER RSTELDER@INPRO.COM
P-1	TYPE: MANUFACTURER:	PRIMED FOR PAINT			
	STYLE/FINISH: COLOR/PATTERN:	PRIMER TBD N/A	TOILET	PARTITIONS	
	NOTE: CONTACT:	-	TLT-1	TYPE: MANUFACTURER: STYLE/FINISH: CODR/PATTERN:	MATTE FINISH
T-1	MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE:	GLAZED BRICK		SIZE: NOTE: CONTACT:	- - LISA MEJIAS 415.748.6286
		FULL-HEIGHT TILE. RUNNING BOND INSTALLATION TANYA EVANGELISTA TANYA@ARTO.COM	WINDO	W COVERINGS	
T-2	MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE:	PARK HILL BLUE 4" X 12" X 8MM THICKNESS		SIZE:	WINDOW COVERINGS MECHO SHADE THERMOVEIL 5% OPEN BLACK/BROWN 1304 -
	NOTE: CONTACT: GROUT:	SEE ELEVATIONS FOR INSTALLATION PATTERN Marcel Roth 510.480.1745 marcel@tilebar.com		NOTE: CONTACT:	- KELLY LLOYD 650-665-1550 KELLY.LLOYD@MECHOSHADE.COM
WP-1	TYPE: MANUFACTURER: STYLE/FINISH: COLOR/PATTERN: SIZE: NOTE: CONTACT:	PALLADIUM RIGID SHEET			

FURNISHING NIC

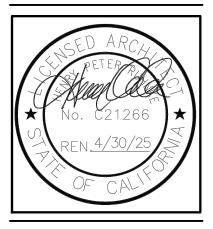
KEY	ITEM	MANFR. / MODEL NO.	FINISH	CONTACT	RESPONSIBILITY
CR	CHAIR RAIL	KEGWORKS / BLK-990-XX	MATTE BLACK		OPTIONAL TENANT IMPROVEMENTS
WT	WINDOW COVERINGS			KELLY LLOYD 650.665.1550 KELLY.LLOYD@MECHOSHADE.COM	OPTIONAL TENANT IMPROVEMENTS



2340 GARDEN ROAD, SUITE 100 MONTEREY, CALIFORNIA 93940 PHONE: 831.649.4642

FAX: 831.649.3530 WWW.WRDARCH.COM

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MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A D N NO - 413 002 0003 8 51 000	
јов N 220)84		
PRINT		7.20.20)23 JP
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	HECKSUB	MITTAL: 12/16/2 MITTAL: 7/10/2 10/1/2	3
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FILE NAME .:

22084-A213





FIRST FLOOR REFLECTED CEILING PLAN SCALE: 1/4"=1'-0"

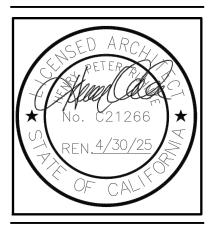
	KEY NOTES
	THE NOTES THAT FOLLOW APPLY TO THE DRAWING(S) ON THIS SHEET ONLY. R TO FOLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWIN
1	(E) EXPOSED STEEL FLOOR FRAMING, SEE FINISH SCHEDULE
2	(N) GYPSUM BOARD CEILING, INDICATED BY STIPPLED HATCH, ATTACHED EXISTING FRAMING - WHERE OVER EXISTING FRAMING CEILING FOLLOWS HORIZONTAL ROOF TIES - WHERE OVER NEW FRAMING CEILING FOLLOWS FRAMING DOTTED AND INCLUDES VERTICAL TRANSITIONS BETWEEN VARIO HEIGHTS AS OCCUR AND AS INDICATED IN CEILING HEIGHT NOTE, SEE BUIL 10/A902 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION
3	(E) GYPSUM BOARD CEILING, NO WORK
4	(N) LIGHTING FIXTURE, SEE ELECTRICAL DRAWINGS



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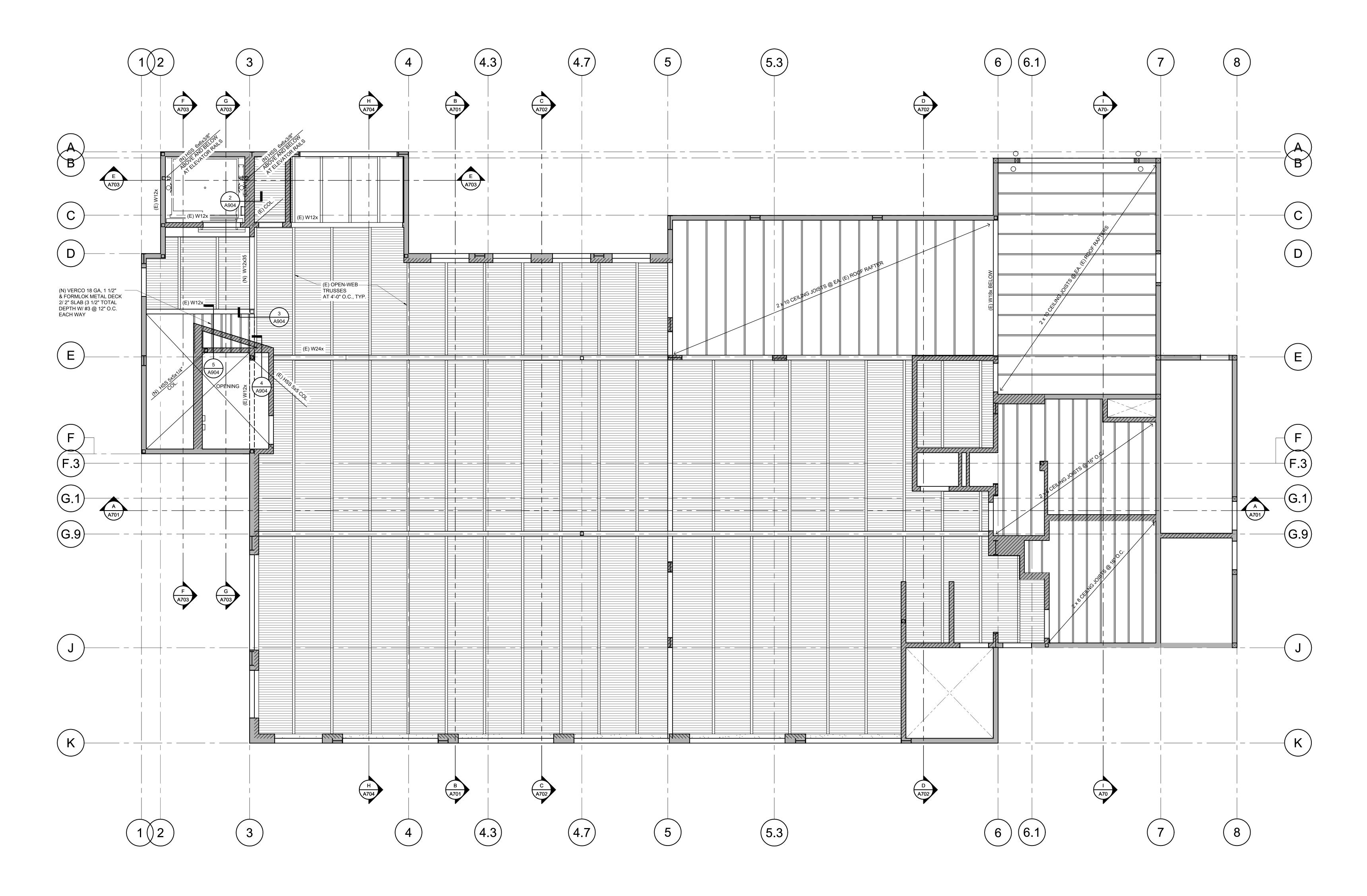


MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000
PLOT DRAW CHECI SET IS PLANC)84 DATE: DATE: N BY: KED BY: SUED: CHECK SUE	7.20.2023 DD - 3MITTAL: 12/16/22 3MITTAL: 7/10/23 10/1/23
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ED TO NEW OR VS ROOF SLOPE OR S HORIZONTAL 2X RIOUS CEILING BUILDING SECTIONS,

> 22084-A221 FILE NAME .:



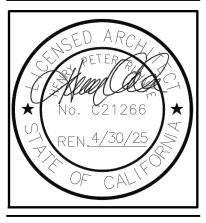


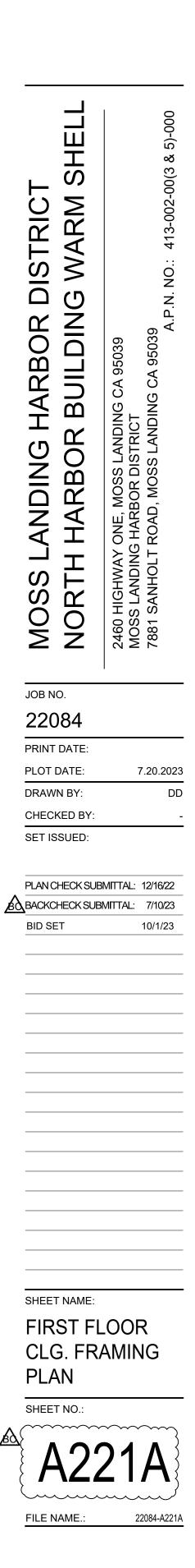
FIRST FLOR CEILING FRAMING PLAN SCALE: 1/4"=1'-0"

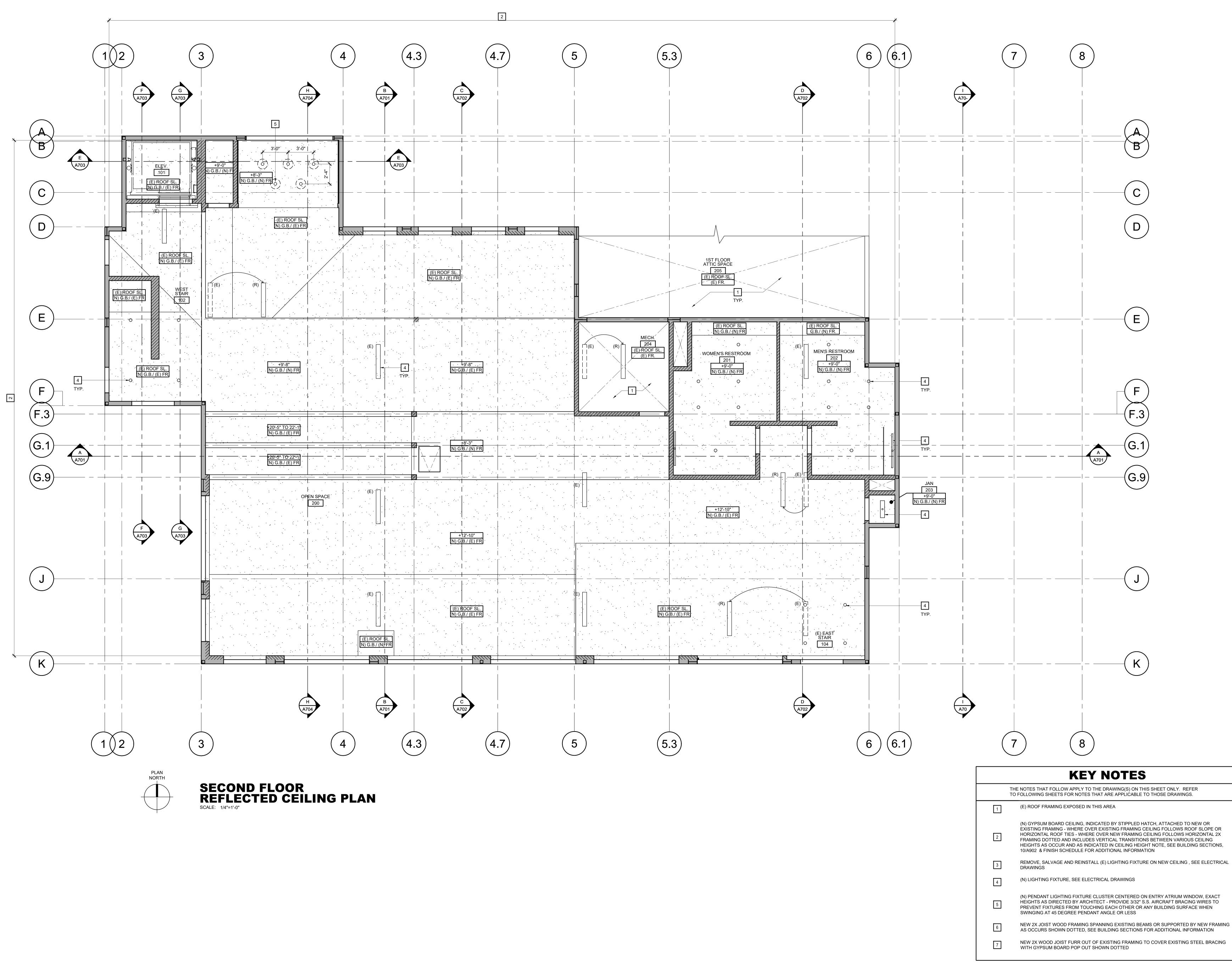


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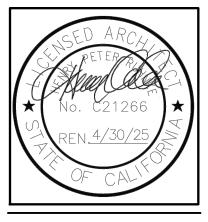






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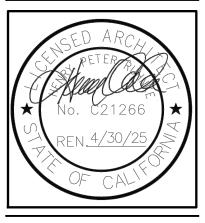


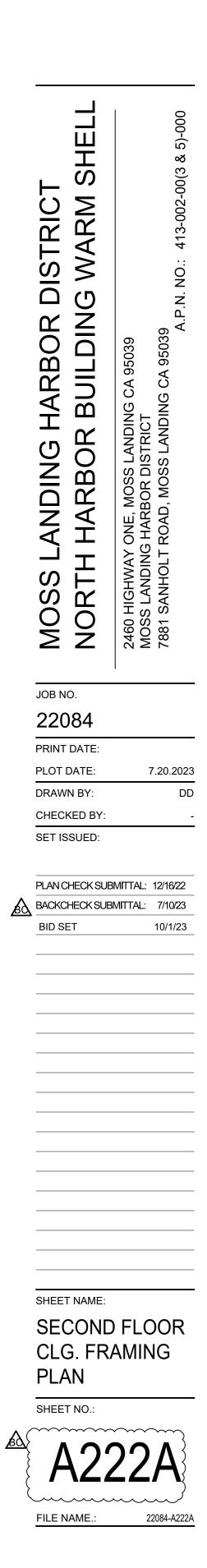
MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000
PLOT I DRAW CHECI SET IS PLAN C	DATE: DATE: DATE: N BY: (ED BY: SUED: HECK SUE	7.20.2023 DD - BMITTAL: 12/16/22 BMITTAL: 7/10/23 10/1/23
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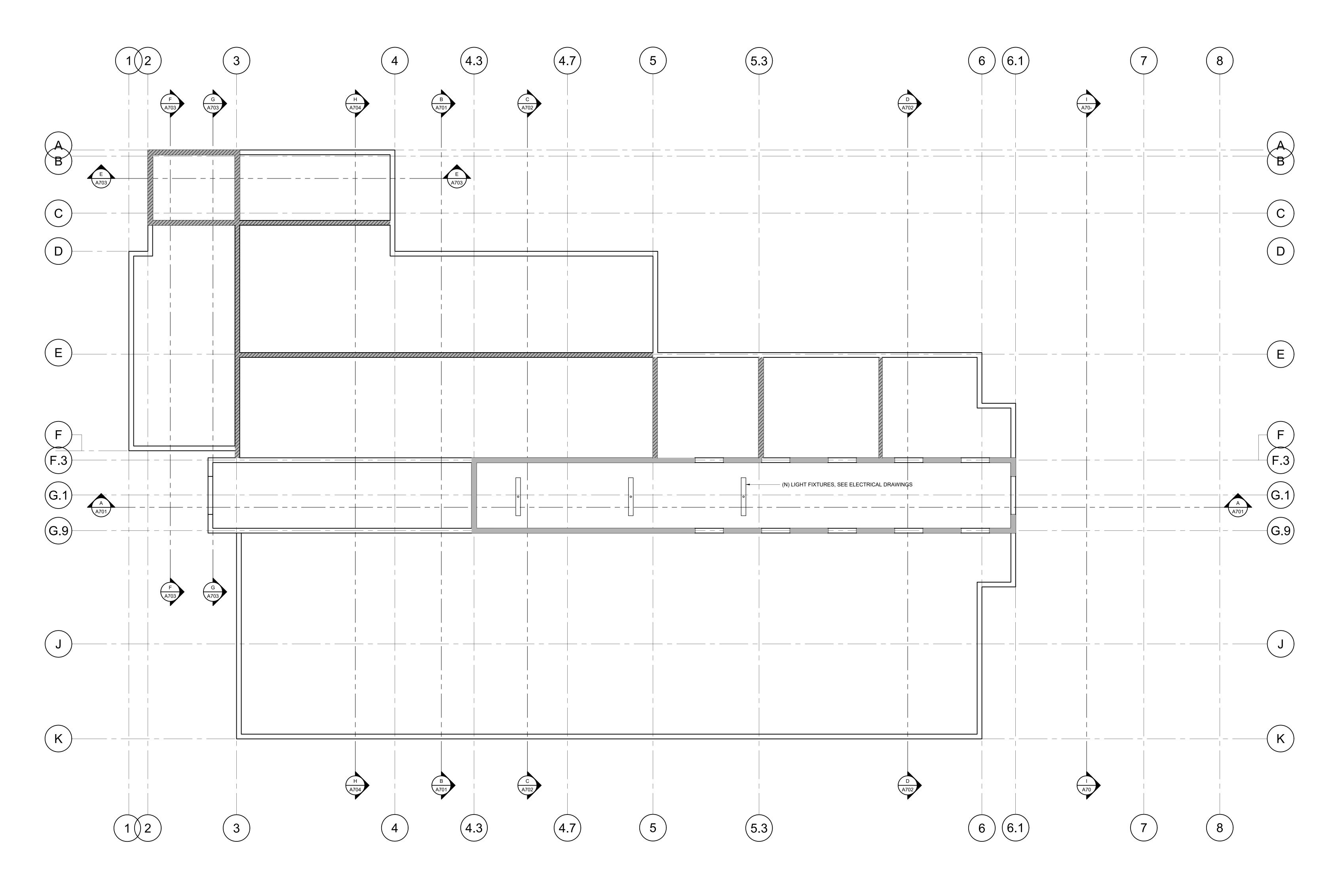




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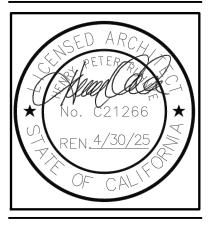


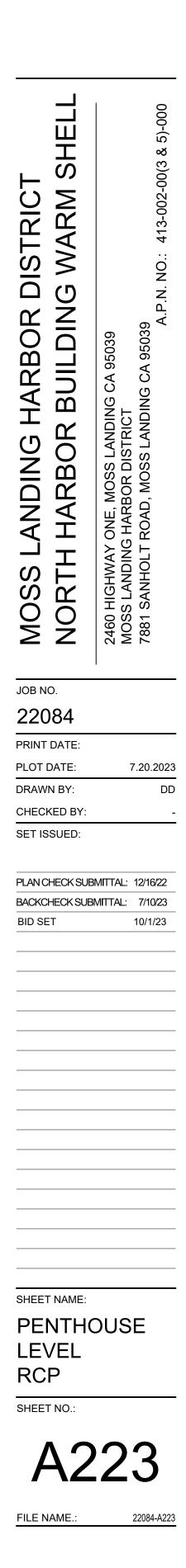


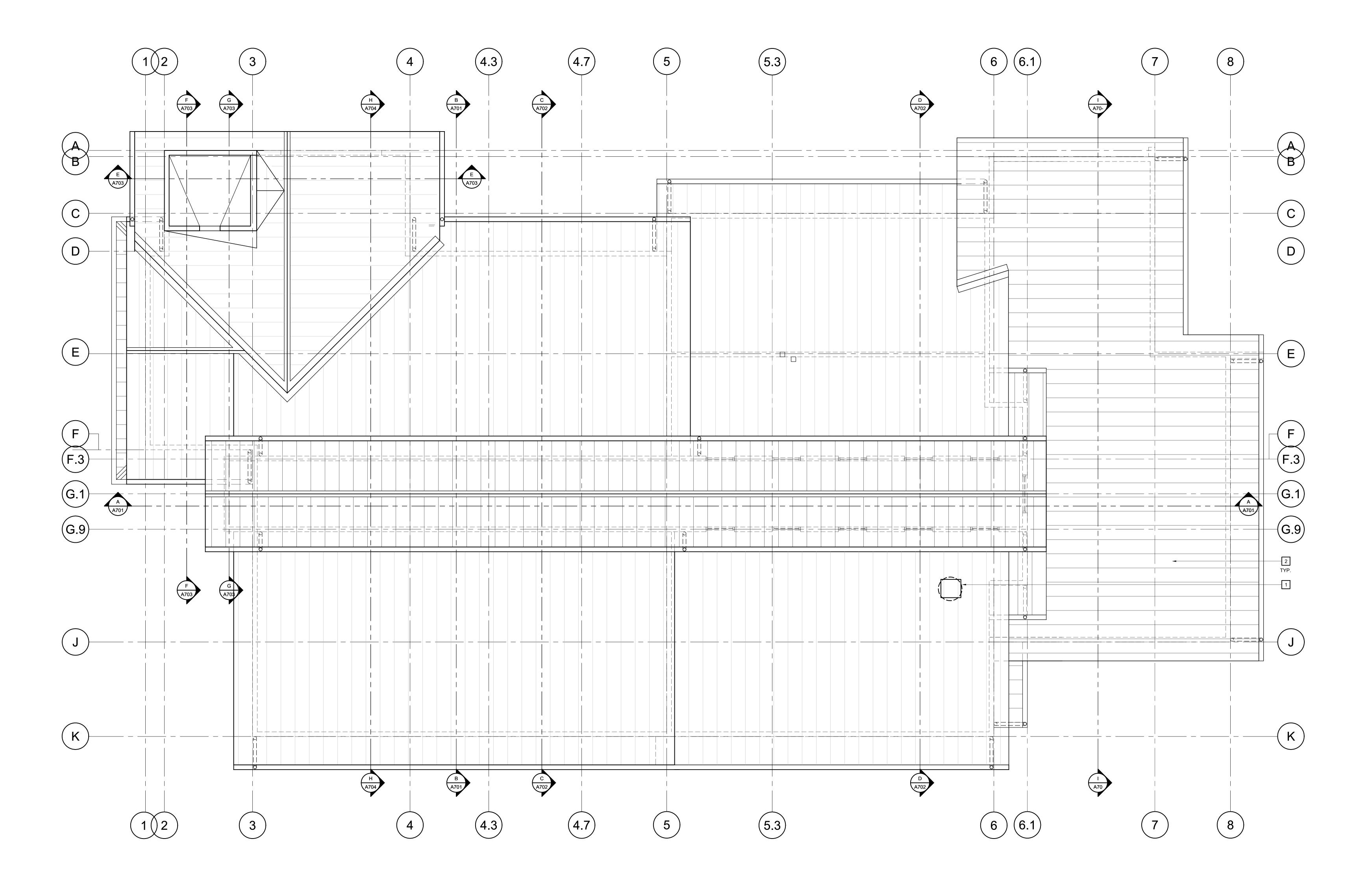


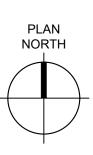


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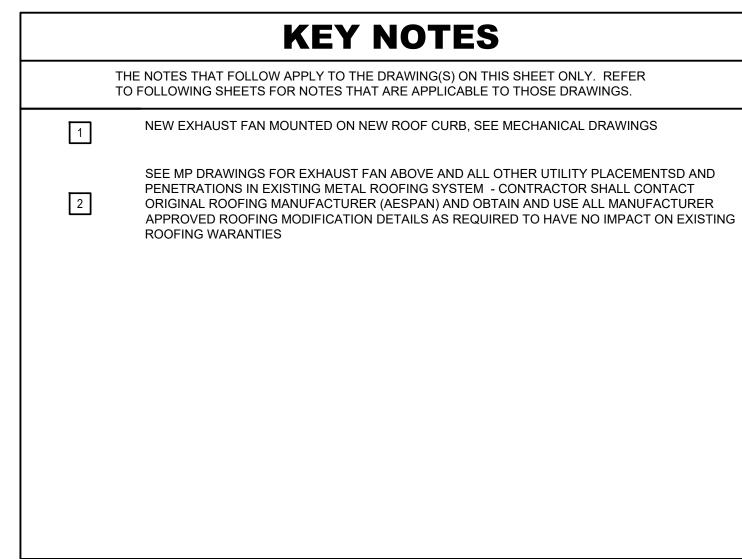








EXISTING ROOF PLAN SCALE: 1/4"=1'-0"





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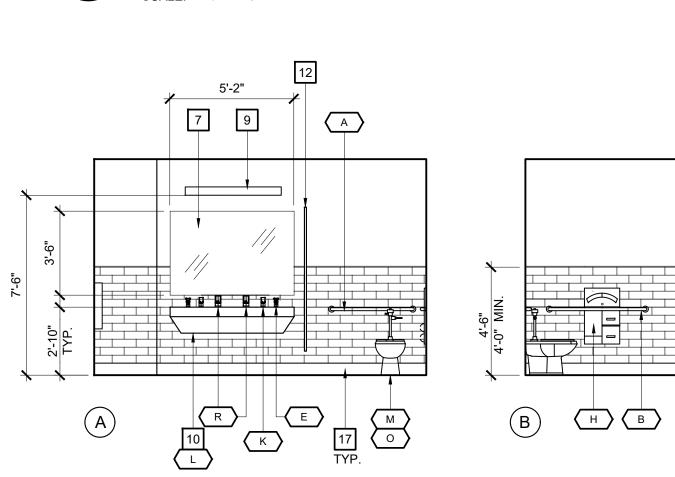
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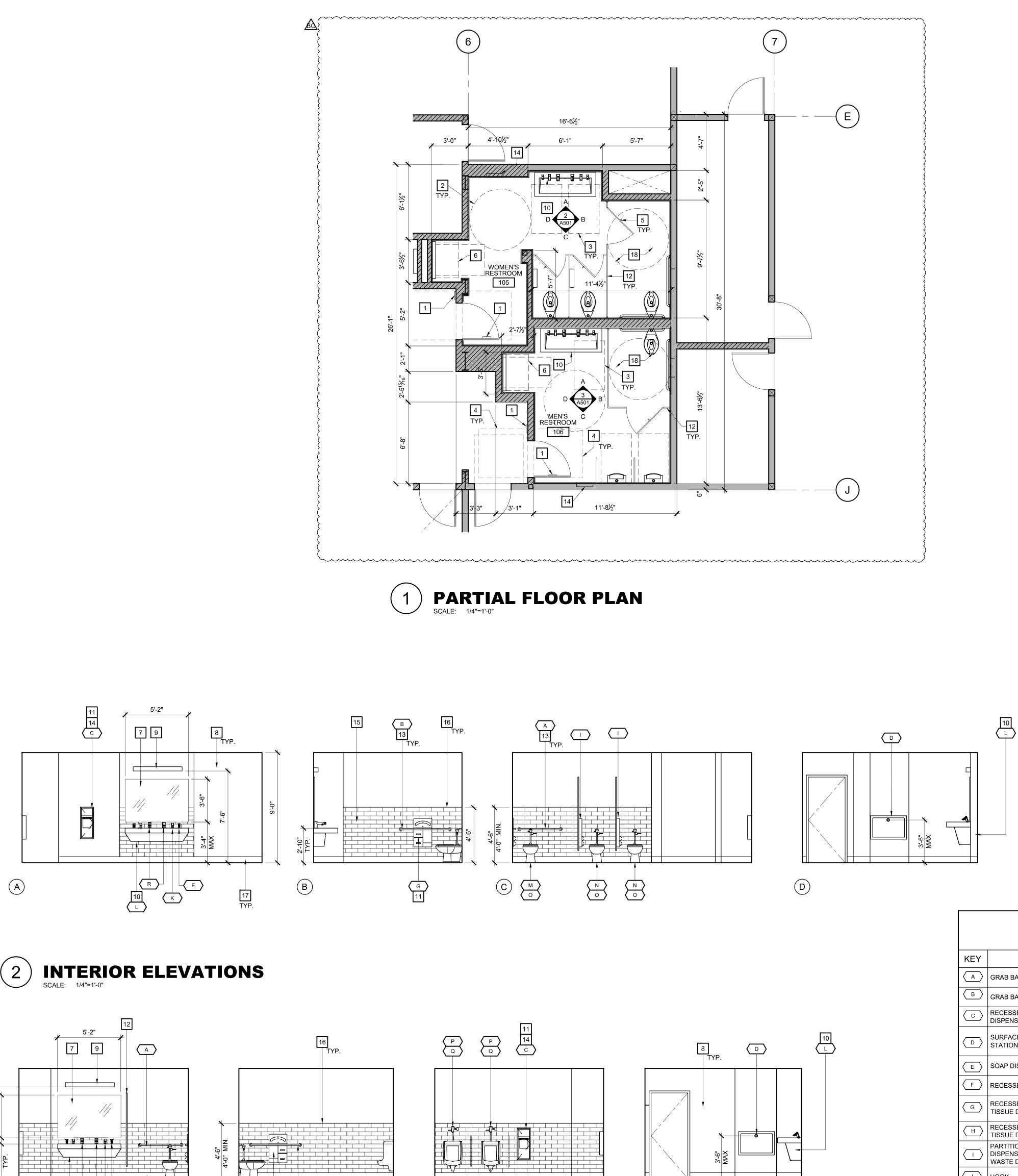


MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000
PLOT DRAW CHECI SET IS PLANC	DATE: DATE: N BY: KED BY: SUED: HECK SUE	7.20.2023 DD - 3MITTAL: 12/16/22 3MITTAL: 7/10/23 10/1/23
SHEET	٩N	231



(3) **INTERIOR ELEVATIONS** SCALE: 1/4"=1'-0"





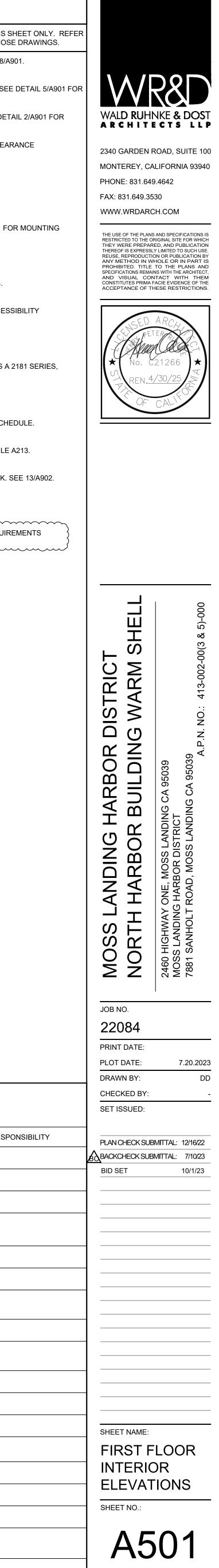
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3'-6" MAX

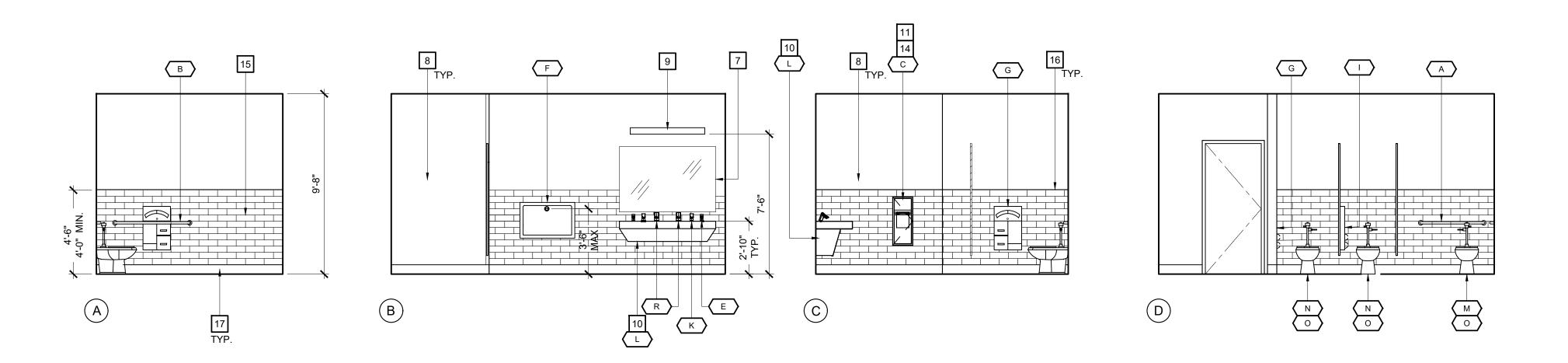
	KEY NOTES
	KEY NOTES THAT FOLLOW APPLY TO THE DRAWING(S) ON THIS OLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOS
1	PROVIDE RESTROOM ACCESSIBILITY SIGNAGE, SEE DETAIL 8/A
2	60" ACCESSIBILITY CLEARANCE TURNING CIRCLE, TYPICAL. SE WHEEL CHAIR TURNING SPACE REQUIRED.
3	30" x 48" ACCESSIBILITY CLEARANCE SPACE, TYPICAL. SEE DE WHEEL CHAIR TURNING SPACE REQUIRED.
4	ACCESSIBLE DOOR CLEARANCE. SEE DETAIL 6/A901 FOR CLEA REQUIREMENTS.
5	COAT HOOK, TYPICAL. RESTROOM ACCESORY SCHEDULE.
6	CHANGING STATION FOOTPRINT WHILE OPEN.
7	MIRROR WITH STAINLESS STEEL FRAME. SEE DETAIL 7/A901 FOR HEIGHT AND 14/A902.
8	WALL AS SCHEDULED, TYPICAL.
9	WALL SCONCE LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
10	WALL MOUNTED TROUGH SINK. SEE DETAIL 2/A901 FOR ACCES REQUIREMENTS.
11	SEE DETAIL 7/A901 FOR ACCESSORY MOUNTING HEIGHTS.
12	TOILET PARTITION. (BOBRICK ACCESORY / DURALINE CLASS A FLOOR ANCHORED, STAINLESS STEEL)
13	GRAB BARS SEE 3/A901 AND 4/A901.
14	PAPER TOWER DISPENSER, SEE RESTROOM ACCESSORY SCH
15	TILE WAINSCOT AS SCHEDULED. SEE ROOM FINISH SCHEDULE
16	FINISH TILE TRANSITION WITH SCHLUTER-JOLLY ALUM BLACK.
17	TILE BASE. SEE 16/A912.
	ACCESSIBLE COMPARTMENT, SEE DETAIL 12/A901 FOR REQUIR

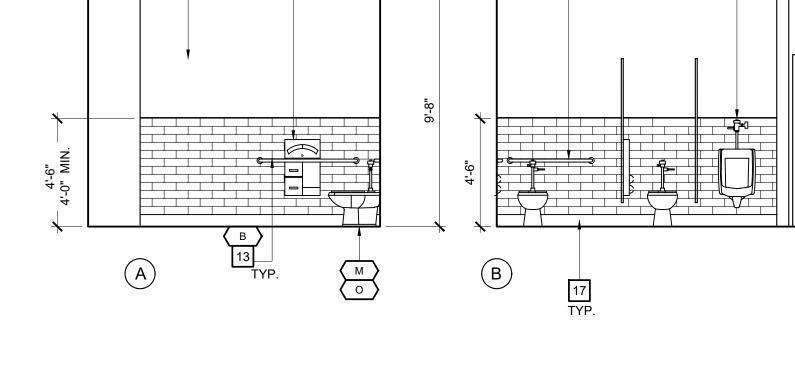
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KEY	ITEM	MANFR. / MODEL NO.	FINISH	CONTACT	RESP
$\langle A \rangle$	GRAB BAR: 36" L	BOBRICK / B-9806 X 36	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
В	GRAB BAR: 42" L	BOBRICK / B-9806 X 42	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
C	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	BOBRICK / B-369	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
D	SURFACE MOUNTED BABY CHANGING STATION	KOALA KARE / KB310-SSWM	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
E	SOAP DISPENSER	SLOAN / ESD-400-SF	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
F	RECESSED BABY CHANGING STATION	KOALA KARE / KB110SSRE	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
G	RECESSED SEAT COVER DISPENSER, TISSUE DISPENSER, AND WASTE DISPOSAL	BOBRICK / B-3574	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
н	RECESSED SEAT COVER DISPENSER AND TISSUE DISPENSER	BOBRICK / B-3475	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
	PARTITION MOUNTED SEAT COVER DISPENSER, TISSUE DISPENSER, AND WASTE DISPOSAL	BOBRICK / B-3571	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
J	ноок	BOBRICK / B-9542	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
к	FAUCET	SLOAN / ETF-420-PLG-TEE-SF-0.5 GPM-MLM-IR-FCT	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
L	WALL MOUNTED SINK	SLOAN / AD82000	NEBULA QUARTZ COUNTERTOP / FAWN CYPRESS LAMINATE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
M	FLOOR MOUNTED TOILET ADA HEIGHT	SLOAN / ST-2449	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
	FLOOR MOUNTED TOILET STANDARD HEIGHT	SLOAN / ST-2009	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
\bigcirc	HARDWIRED TOILET FLUSH METER	SLOAN / ROYAL 111 ESS-1.28-SF-TMO-HW	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
Р	WASHDOWN URINAL	SLOAN / 1107009	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
Q	HARD WIRED URINAL FLUSH METER	SLOAN / ROYAL 186 ESS-0.5-SF-TMO-HW	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
R	HAND DRYER	SLOAN / EHD-510ASF	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I









SCALE: 1/4"=1'-0"

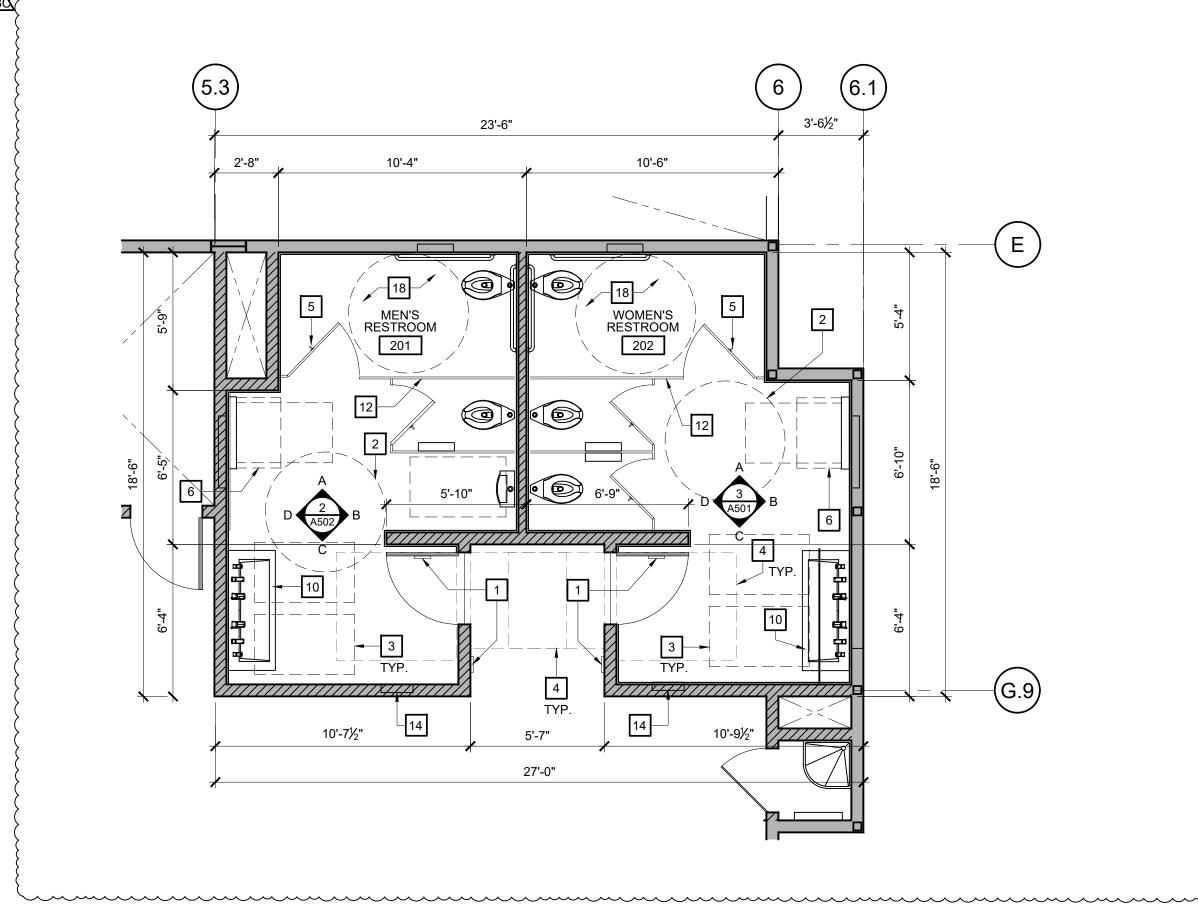
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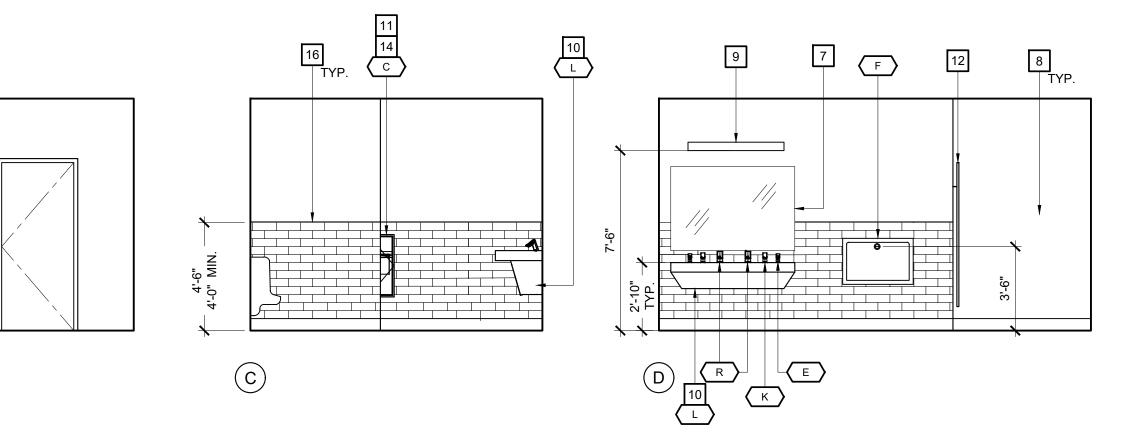
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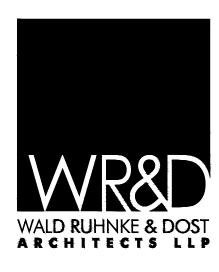
PARTIAL FLOOR PLAN SCALE: 1/4"=1'-0"



	KEY NOTES					
	THE KEY NOTES THAT FOLLOW APPLY TO THE DRAWING(S) ON THIS SHEET ONLY. REFER TO FOLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWINGS.					
1	PROVIDE RESTROOM ACCESSIBILITY SIGNAGE, SEE DETAIL 8/A901.					
2	60" ACCESSIBILITY CLEARANCE TURNING CIRCLE, TYPICAL. SEE DETAIL 5/A901 FOR WHEEL CHAIR TURNING SPACE REQUIRED.					
3	30" x 48" ACCESSIBILITY CLEARANCE SPACE, TYPICAL. SEE DETAIL 2/A901 FOR WHEEL CHAIR TURNING SPACE REQUIRED.					
4	ACCESSIBLE DOOR CLEARANCE. SEE DETAIL 6/A901 FOR CLEARANCE REQUIREMENTS.					
5	COAT HOOK, TYPICAL. RESTROOM ACCESORY SCHEDULE.					
6	CHANGING STATION FOOTPRINT WHILE OPEN.					
7	MIRROR WITH STAINLESS STEEL FRAME. SEE DETAIL 7/A901 FOR MOUNTING HEIGHT AND 14/A902.					
8	WALL AS SCHEDULED, TYPICAL.					
9	WALL SCONCE LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.					
10	WALL MOUNTED TROUGH SINK. SEE DETAIL 2/A901 FOR ACCESSIBILITY REQUIREMENTS.					
11	SEE DETAIL 7/A901 FOR ACCESSORY MOUNTING HEIGHTS.					
12	TOILET PARTITION. (BOBRICK ACCESORY / DURALINE CLASS A 2181 SERIES, FLOOR ANCHORED, STAINLESS STEEL)					
13	GRAB BARS SEE 3/A901 AND 4/A901.					
14	PAPER TOWER DISPENSER, SEE RESTROOM ACCESSORY SCHEDULE.					
15	TILE WAINSCOT AS SCHEDULED. SEE ROOM FINISH SCHEDULE A213.					
16	FINISH TILE TRANSITION WITH SCHLUTER-JOLLY ALUM BLACK. SEE 13/A902.					
17	TILE BASE. SEE 16/A912.					
18	ACCESSIBLE COMPARTMENT, SEE DETAIL 12/A901 FOR REQUIREMENTS					

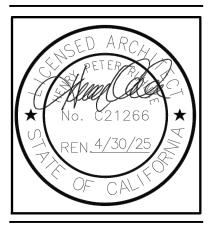
RESTROOM ACCESSORY SCHEDULE

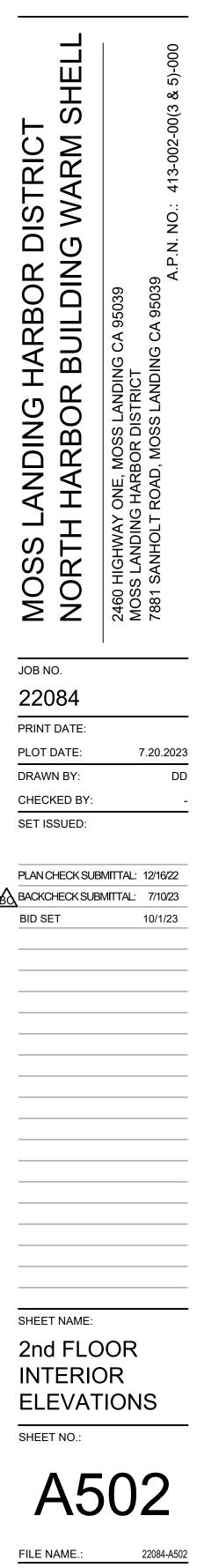
					-
KEY	ITEM	MANFR. / MODEL NO.	FINISH	CONTACT	RESPONSIBILITY
A	GRAB BAR: 36" L	BOBRICK / B-9806 X 36	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
В	GRAB BAR: 42" L	BOBRICK / B-9806 X 42	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
С	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	BOBRICK / B-369	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
	SURFACE MOUNTED BABY CHANGING STATION	KOALA KARE / KB310-SSWM	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
E	SOAP DISPENSER	SLOAN / ESD-400-SF	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
F	RECESSED BABY CHANGING STATION	KOALA KARE / KB110SSRE	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
G	RECESSED SEAT COVER DISPENSER, TISSUE DISPENSER, AND WASTE DISPOSAL	BOBRICK / B-3574	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
Н	RECESSED SEAT COVER DISPENSER AND TISSUE DISPENSER	BOBRICK / B-3475	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
	PARTITION MOUNTED SEAT COVER DISPENSER, TISSUE DISPENSER, AND WASTE DISPOSAL	BOBRICK / B-3571	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
	ноок	BOBRICK / B-9542	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
К	FAUCET	SLOAN / ETF-420-PLG-TEE-SF-0.5 GPM-MLM-IR-FCT	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
	WALL MOUNTED SINK	SLOAN / AD82000	NEBULA QUARTZ COUNTERTOP / FAWN CYPRESS LAMINATE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
M	FLOOR MOUNTED TOILET ADA HEIGHT	SLOAN / ST-2449	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
	FLOOR MOUNTED TOILET STANDARD HEIGHT	SLOAN / ST-2009	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
\bigcirc	HARDWIRED TOILET FLUSH METER	SLOAN / ROYAL 111 ESS-1.28-SF-TMO-HW	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
(P)	WASHDOWN URINAL	SLOAN / 1107009	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
Q	HARD WIRED URINAL FLUSH METER	SLOAN / ROYAL 186 ESS-0.5-SF-TMO-HW	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
	HAND DRYER	SLOAN / EHD-510ASF	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I

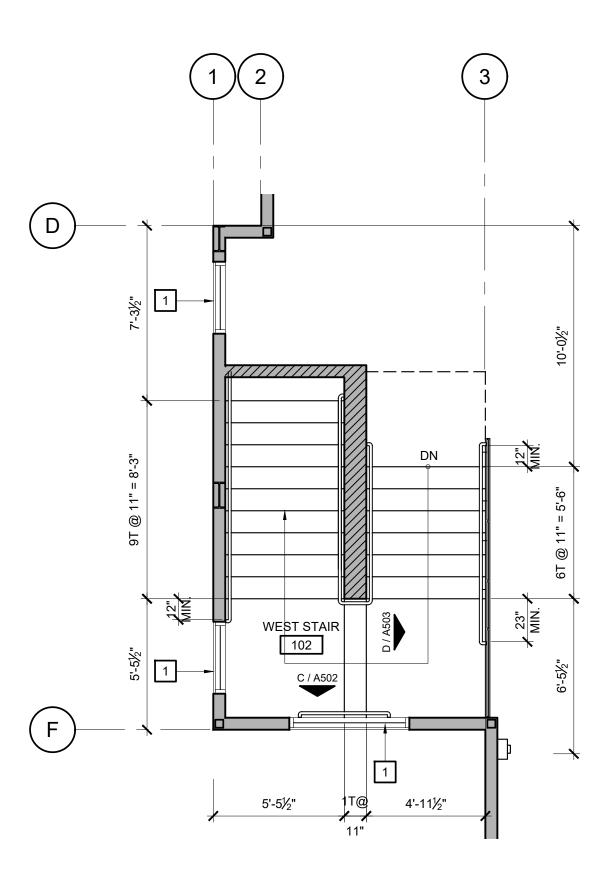


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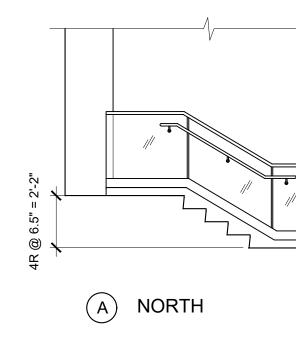
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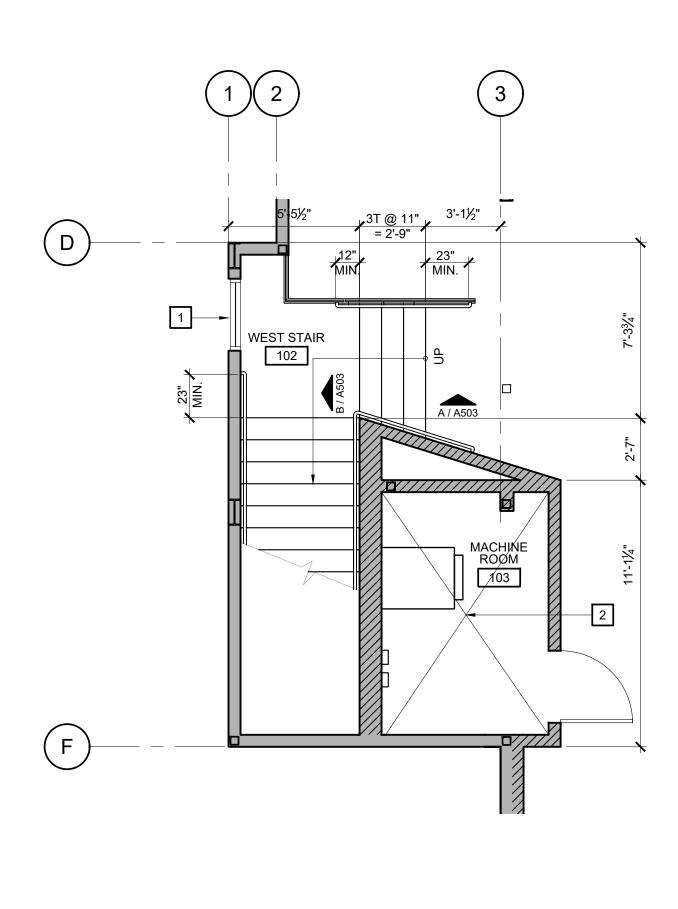




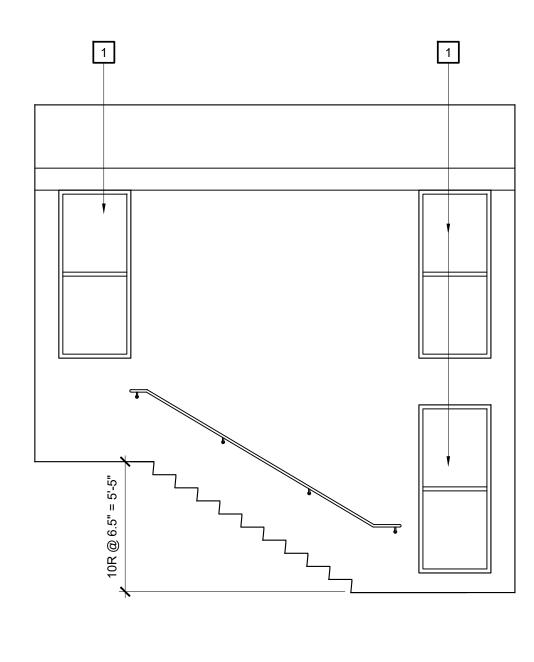




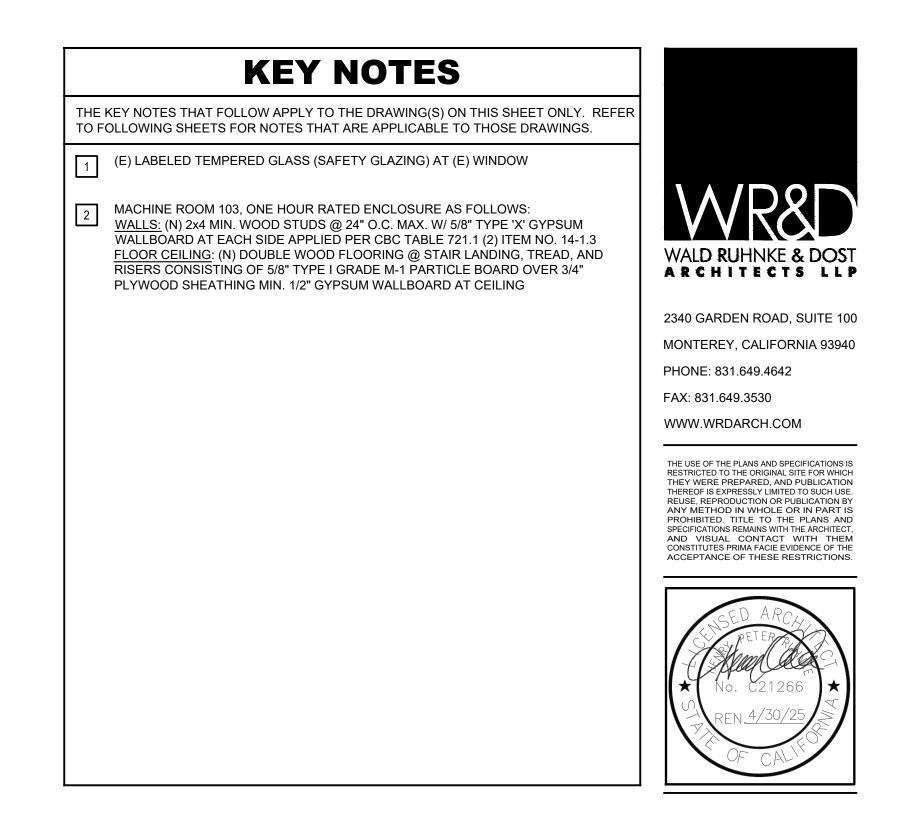


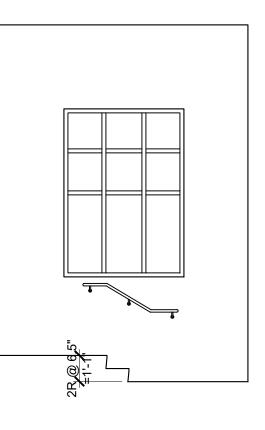


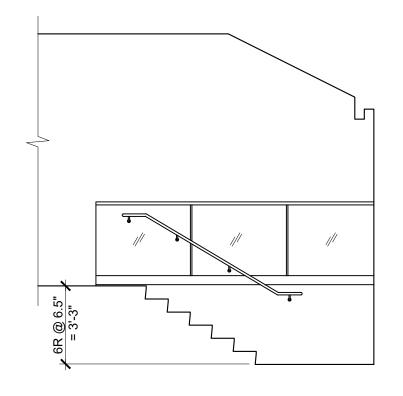
PARTIAL FIRST FLOOR WEST STAIR 102 SCALE: 1/4" = 1'-0" 1



B WEST

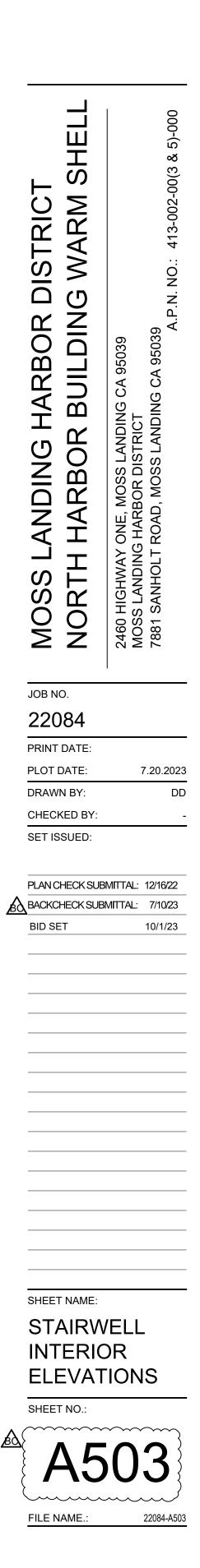


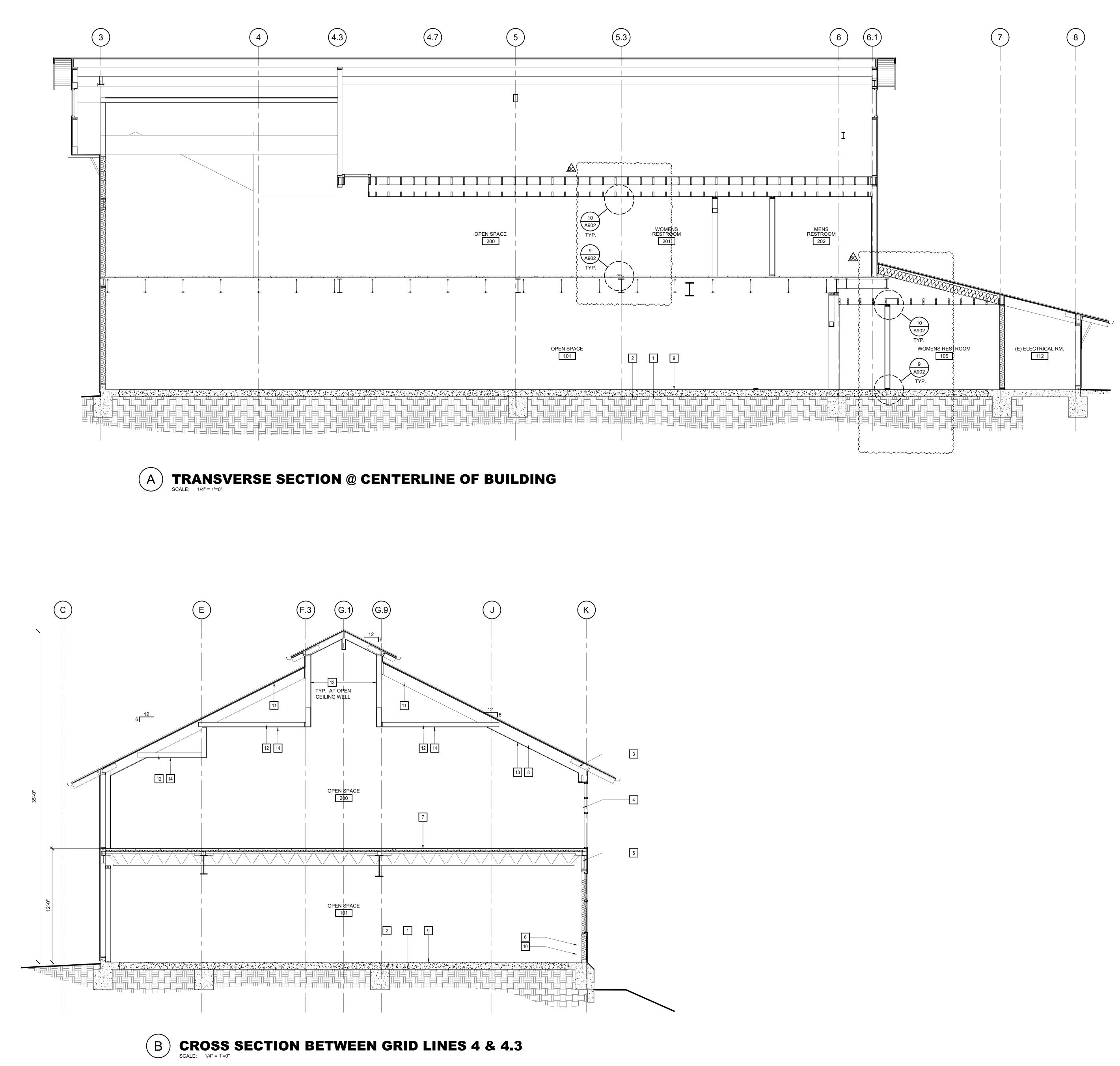




C SOUTH

D EAST





	KEY NOTES
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1	(E) EXPOSED SUBGRADE
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3	(E) ROOFING, PROTECT IN PLACE
4	(E) WINDOWS AND OTHER EXTERIOR OPENINGS, PROTECT IN PLACE
5	(E) EXTERIO0R WALL CLADDINGS, PROTECT IN PLACE
6	(E) EXTERIOR WOOD STUD WALL W/ R-19 BATT INSULATION TO REMAIN PROTECTED IN PLACE OR TEMPORARILY REMOVED AND REINSTALLED AS REQUIRED FOR NEW WORK - AT CONTRACTOR OPTION REMOVE INSULATION INSTALL (N) INSULATION IN KIND AS PART OF NEW WORK
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10	NEW GYPSUM BOARD INTERIOR WALL CLADDING OVER (E) WOOD STUDS U
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13	NEW GYPSUM BOARD INTERIOR CEILING CLADDING OVER (E) ROOF OR CE JOIST FRAMING, SEE KEYNOTE 8 FOR ADDITIONAL INFORMATION
14	NEW GYPSUM BOARD INTERIOR CEILING CLADDING OVER NEW WOOD FRA
15	GUARDRAIL, SEE 17/A902

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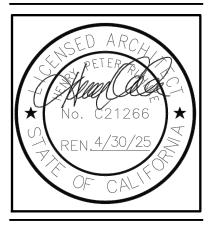
WOOD FRAMING



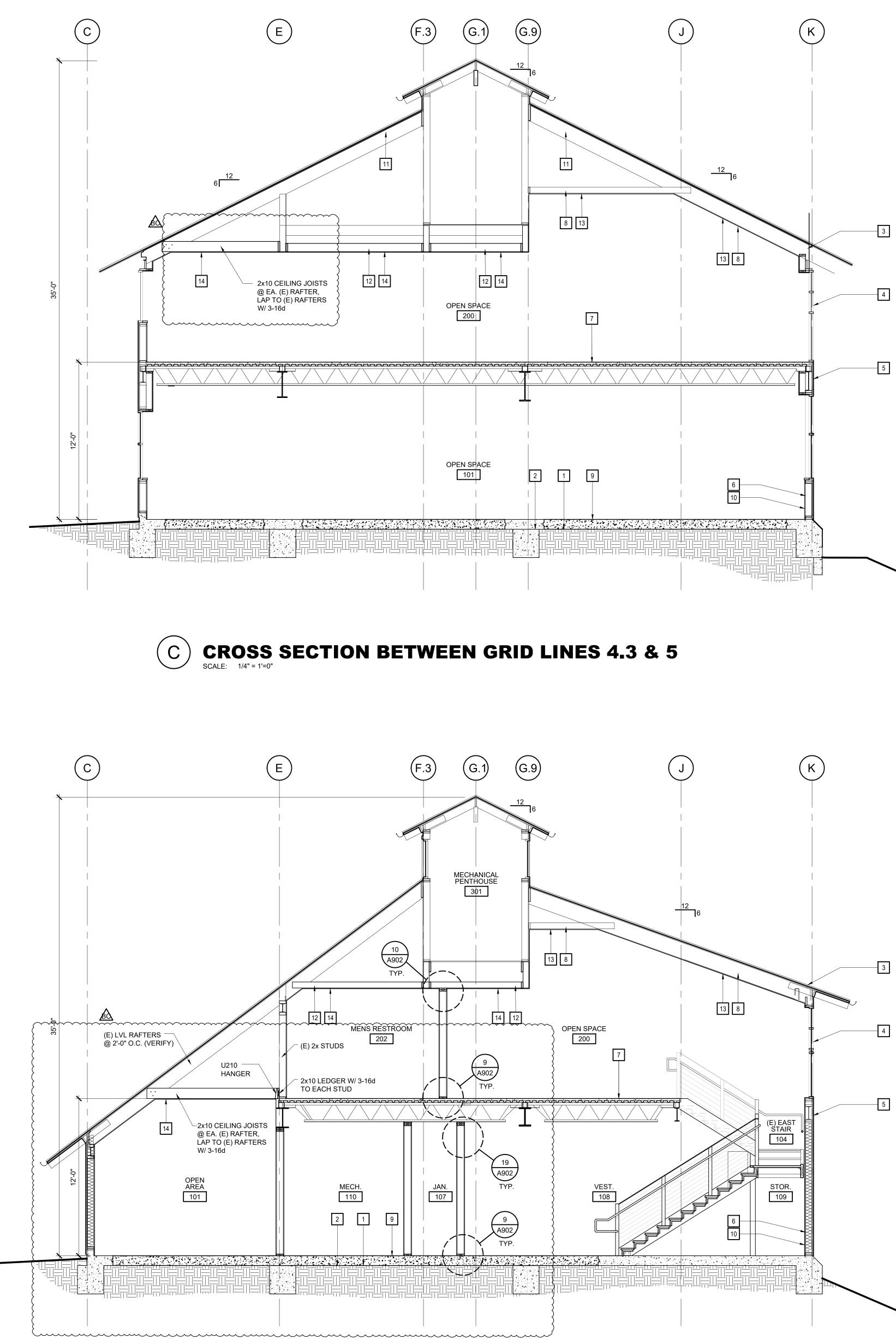
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JOB NO. 22084 PRINT DATE: PLOT DATE:	7.20.2023
DRAWN BY: CHECKED BY: SET ISSUED:	DD
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SHEET NAME:	
SHEET TITLE	
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D CROSS SECTION BETWEEN GRID LINES 5 & 6 SCALE: 1/4" = 1'-0"

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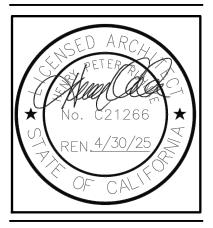
EW WOOD FRAMING



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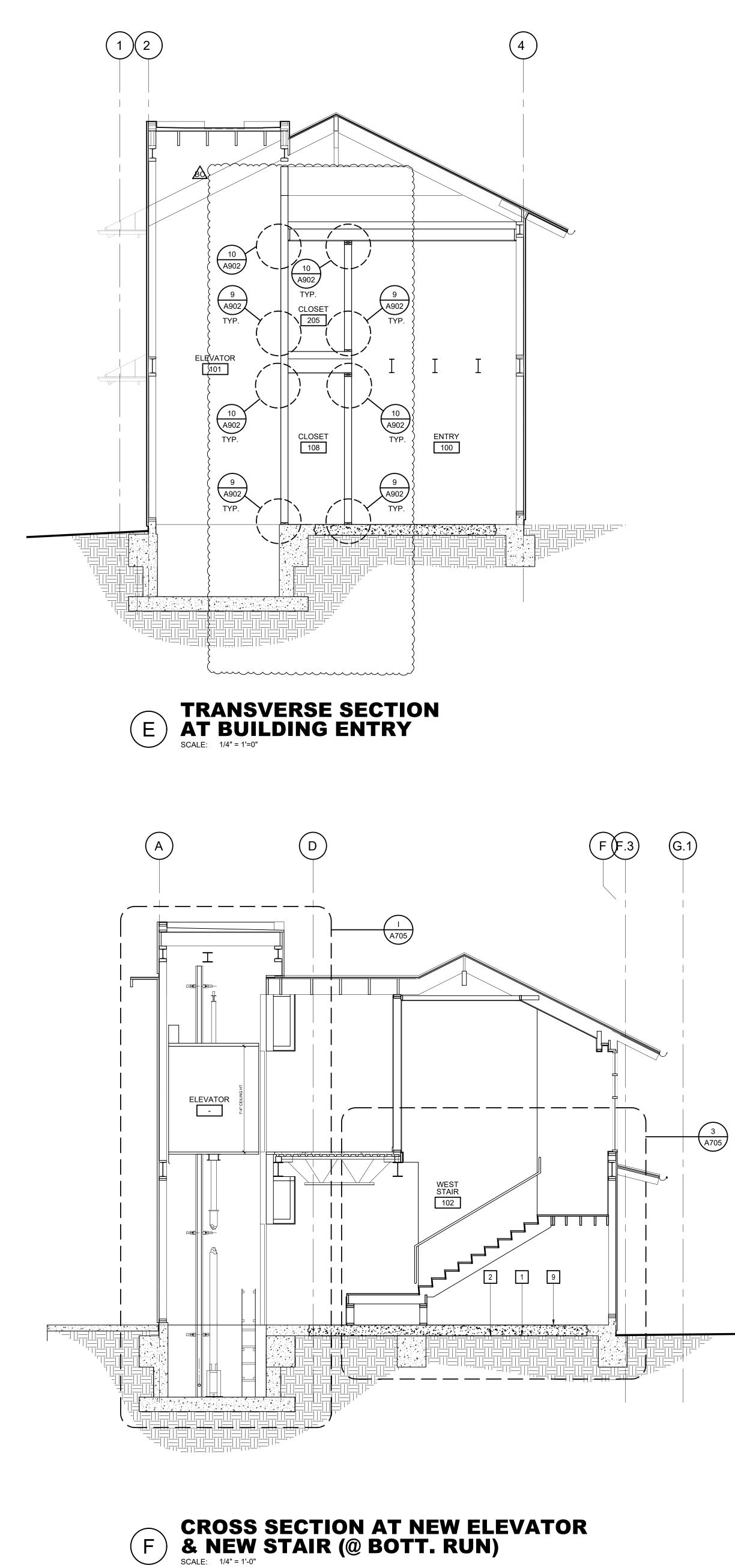
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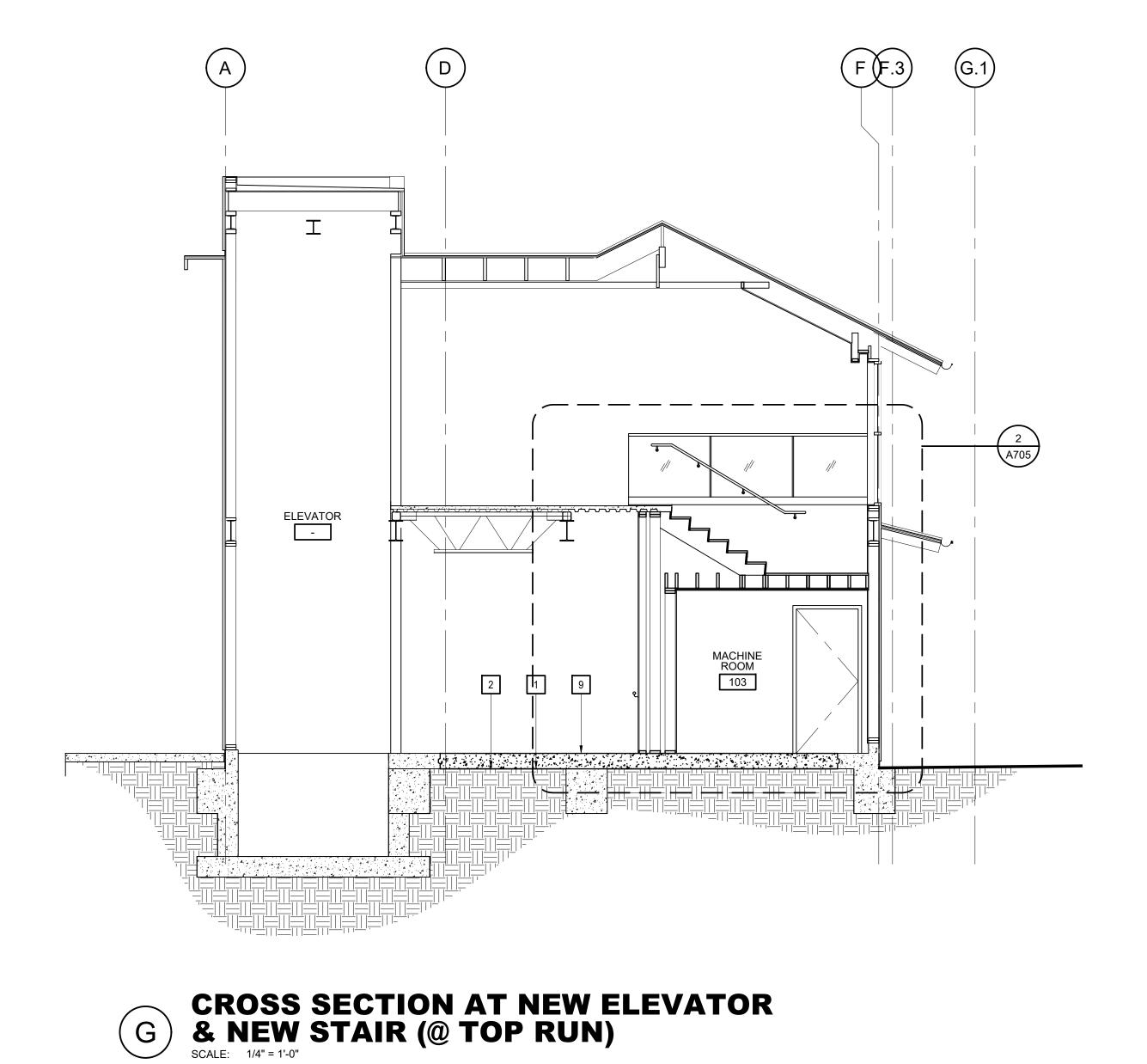


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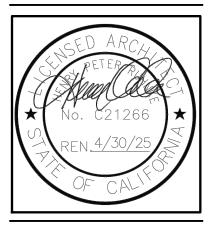
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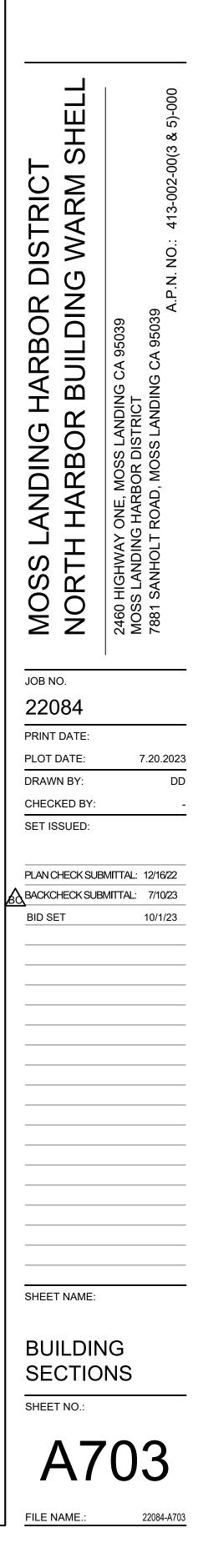
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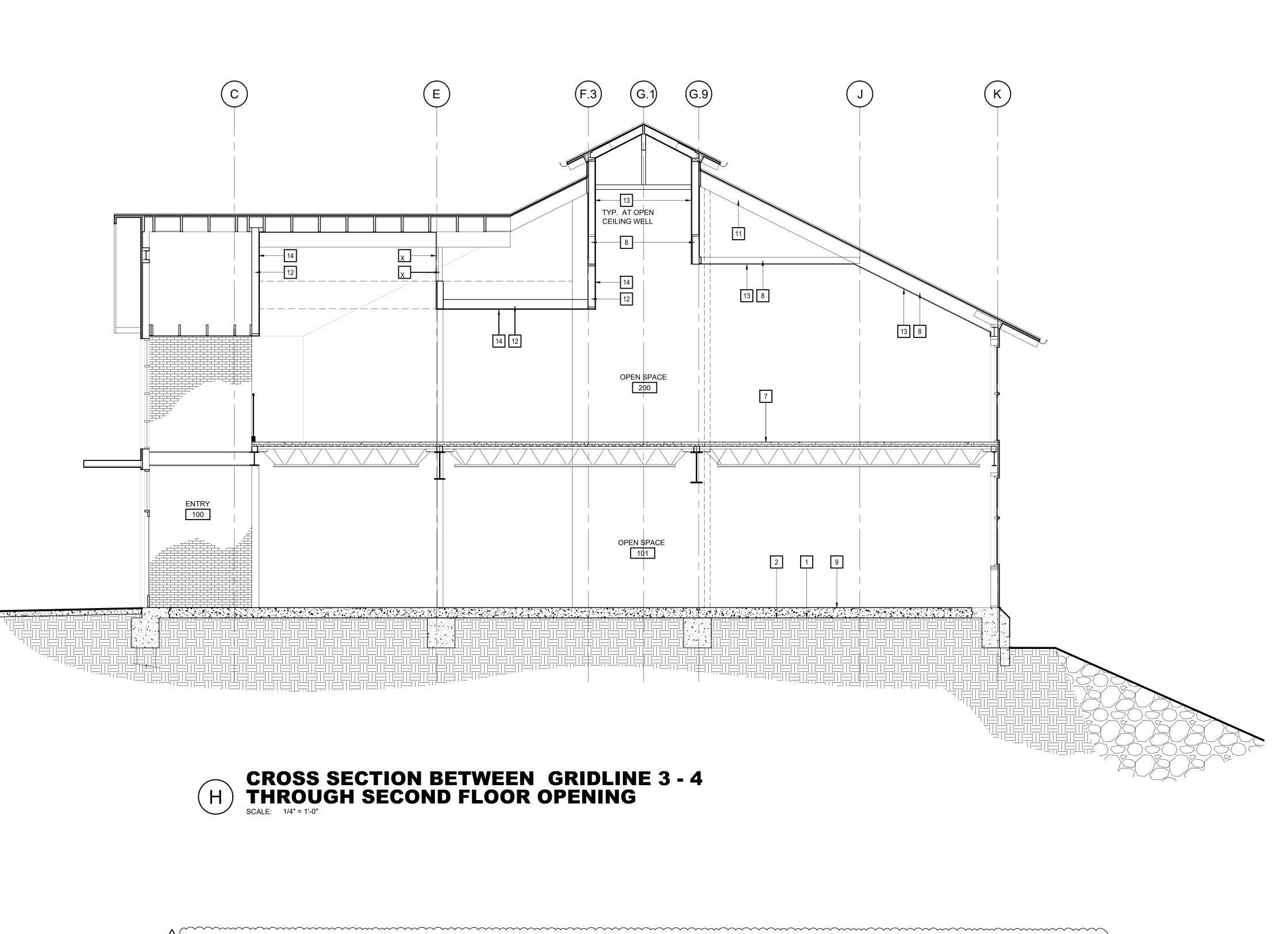


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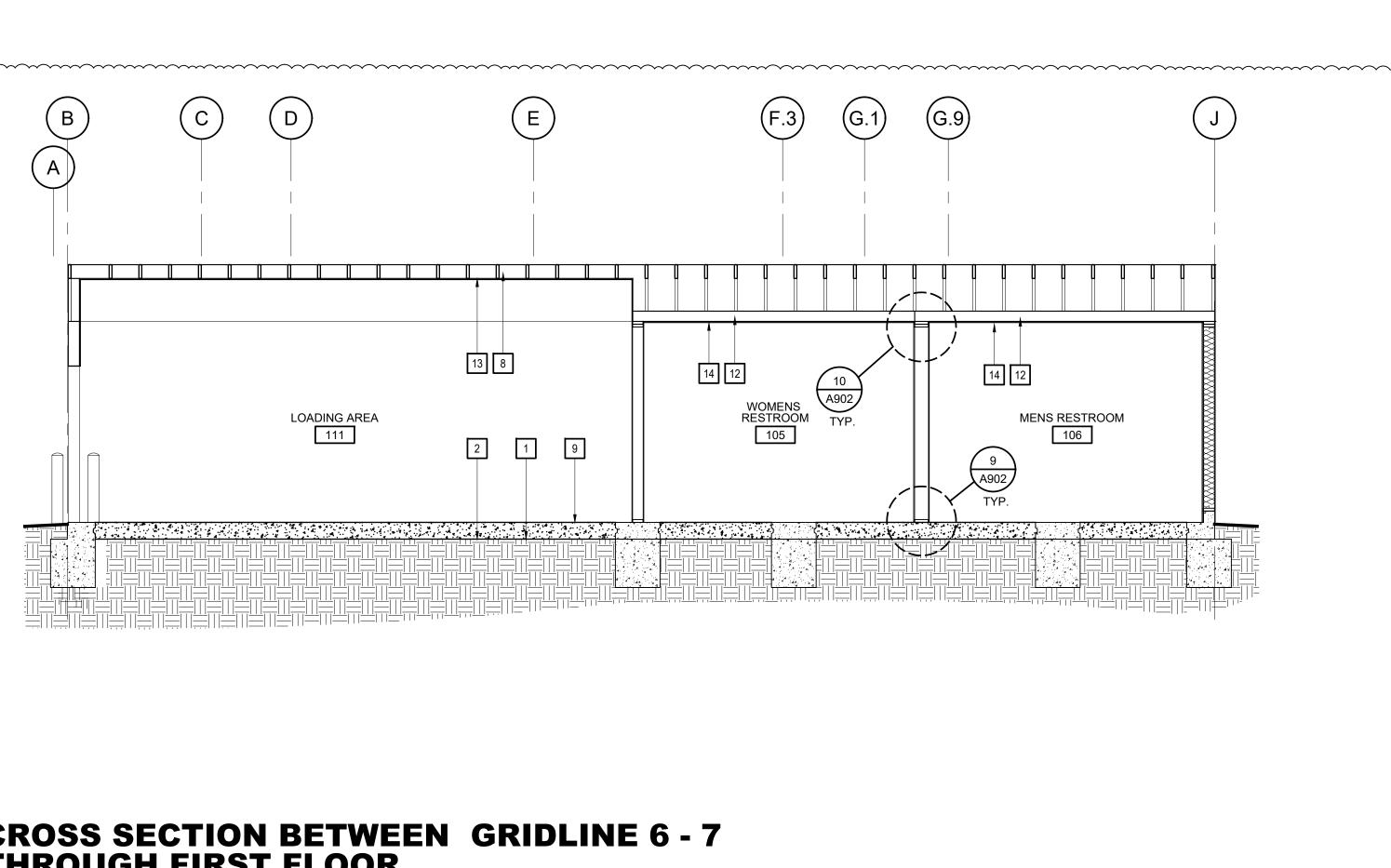
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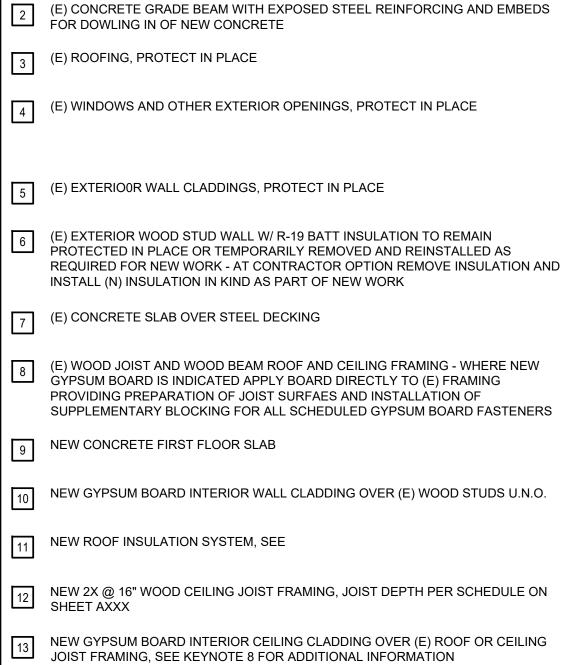






CROSS SECTION BETWEEN GRIDLINE 6 - 7 THROUGH FIRST FLOOR SCALE: 1/4" = 1'-0"





KEY NOTES

(E) EXPOSED SUBGRADE

GUARDRAIL, SEE 17/A902

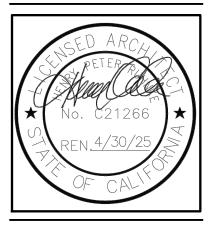
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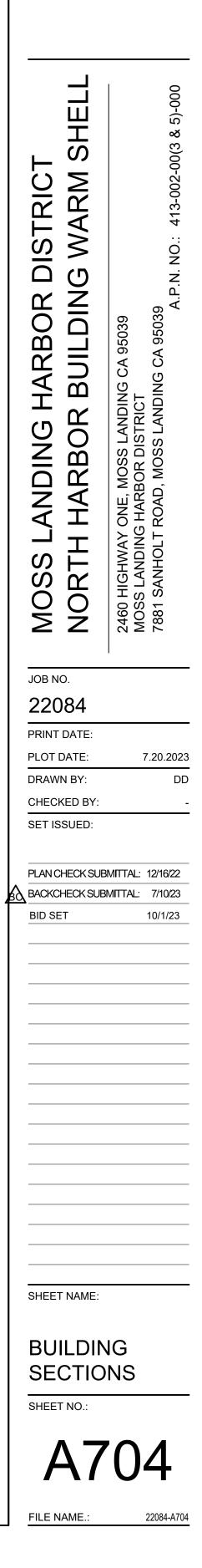
NEW GYPSUM BOARD INTERIOR CEILING CLADDING OVER NEW WOOD FRAMING

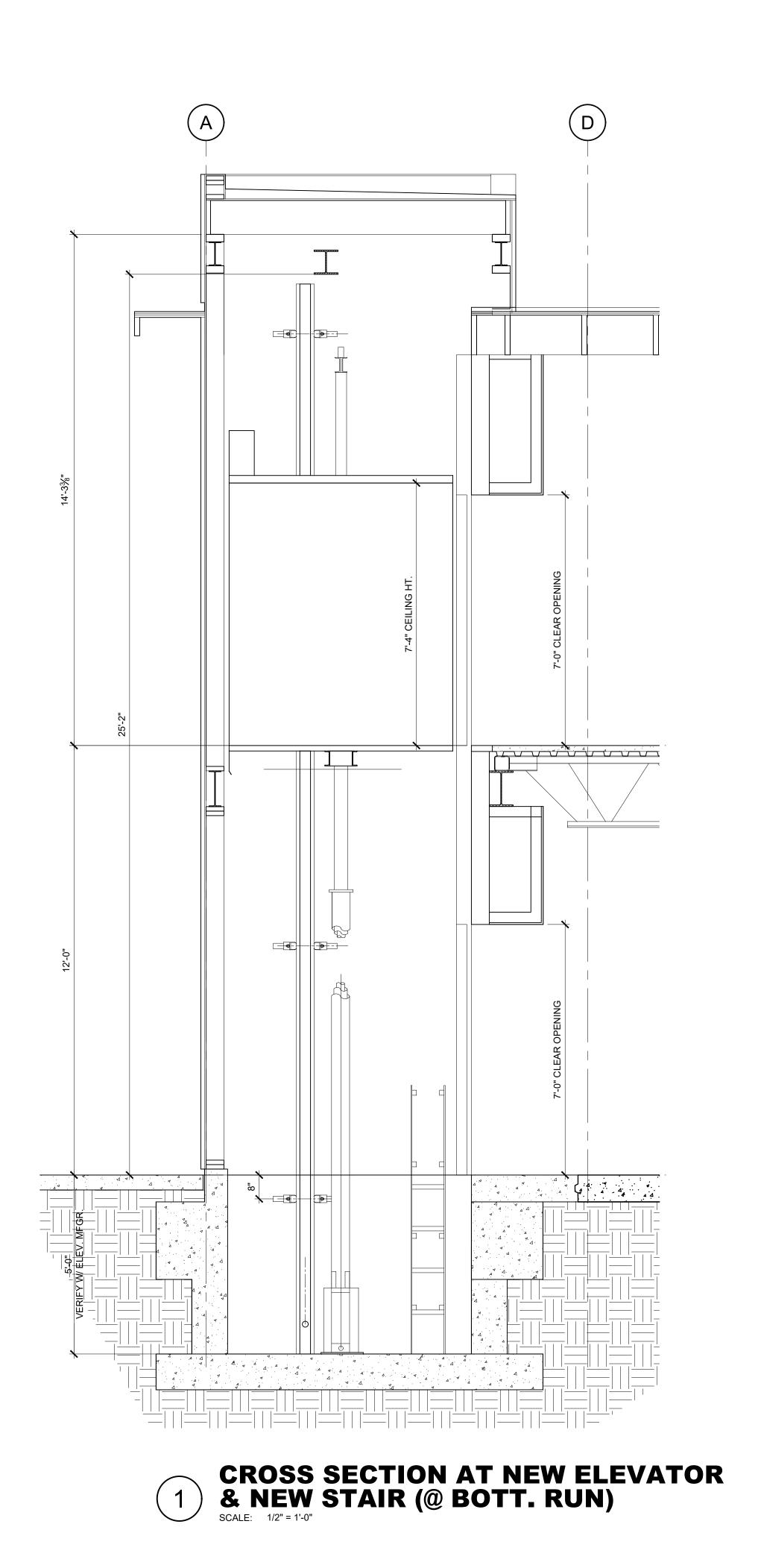


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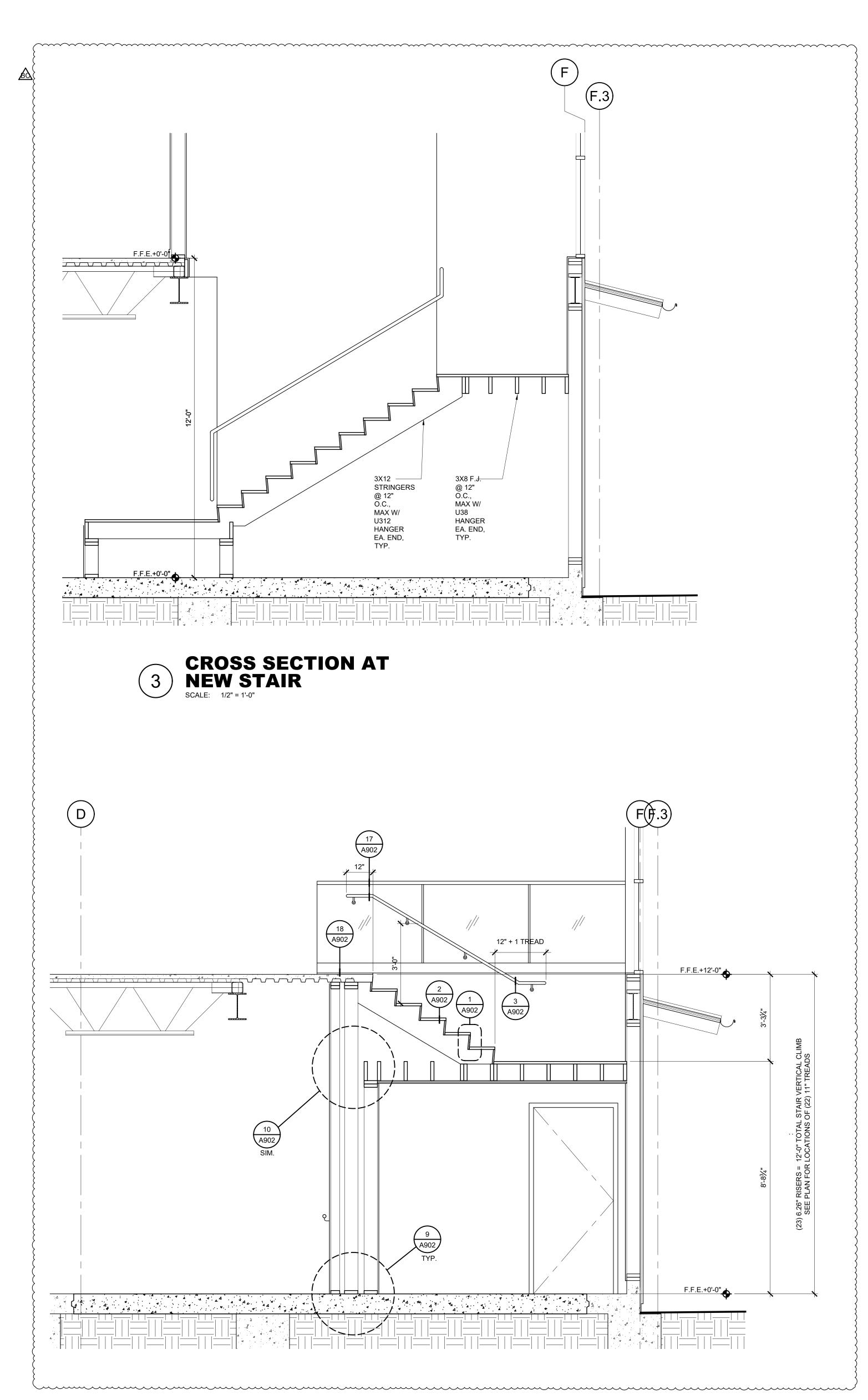
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CROSS SECTION AT NEW ELEVATOR & NEW STAIR (@ TOP RUN) SCALE: 1/2" = 1'-0" (2)

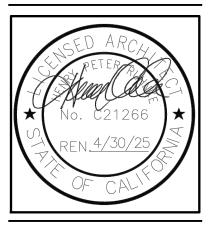


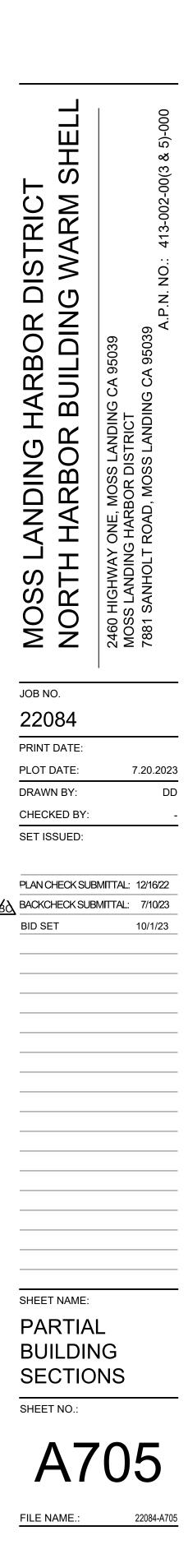


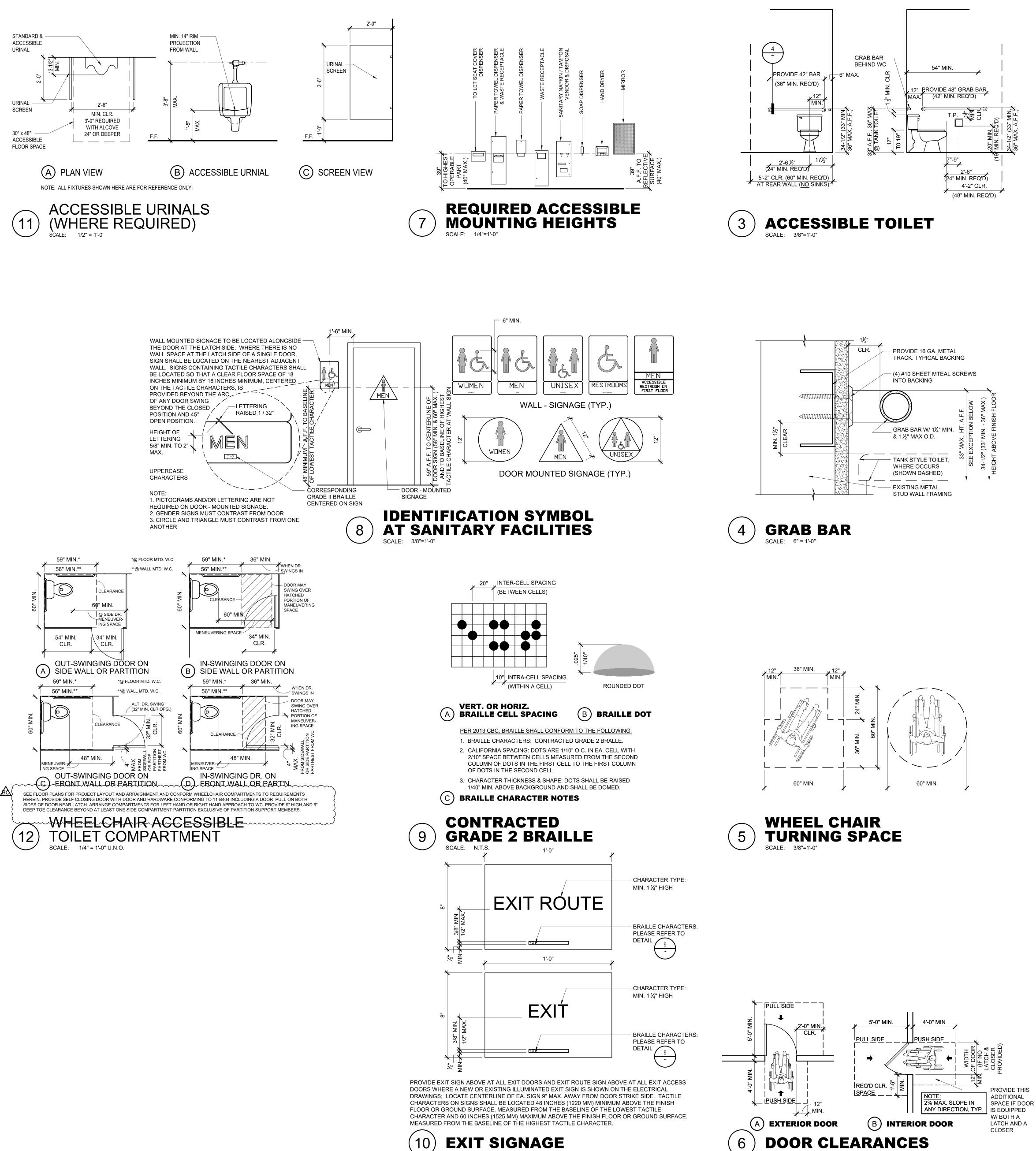


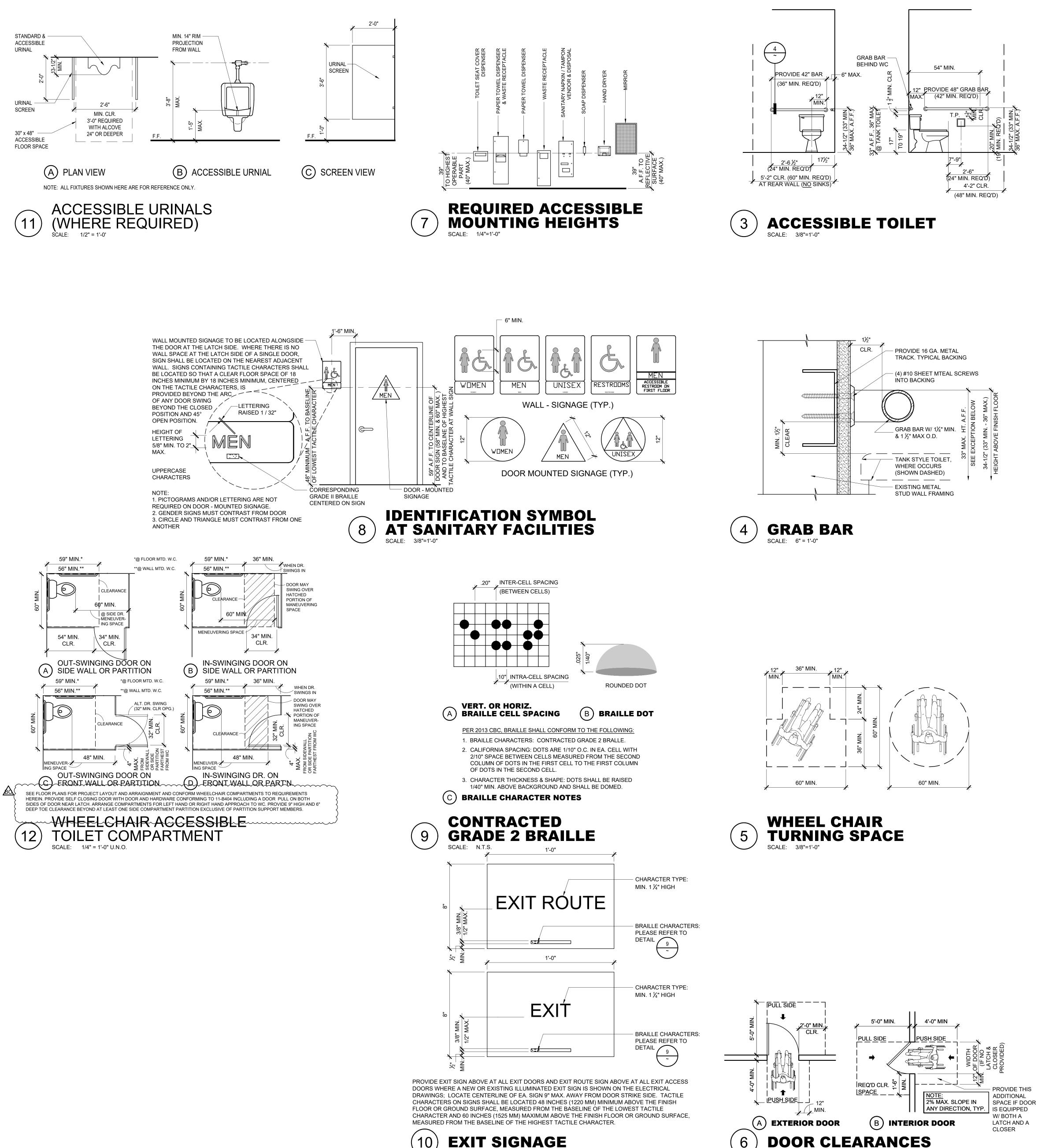
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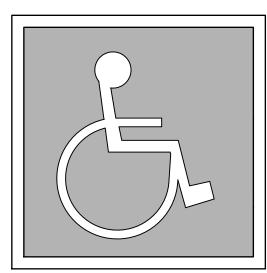




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ACCESSIBLITY NOTES

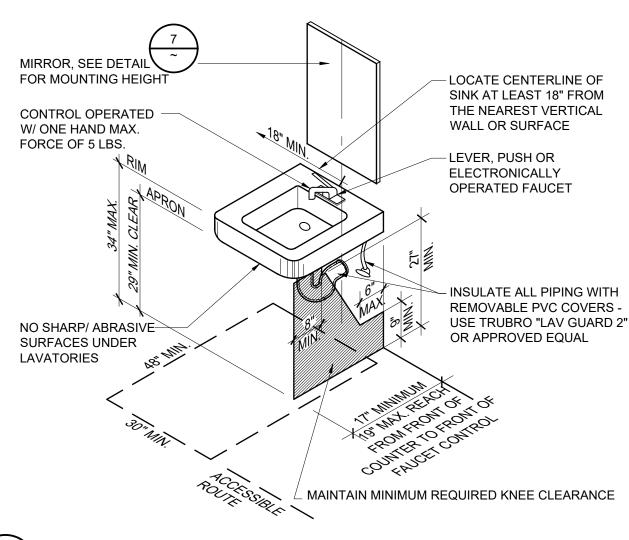
- A. GENERAL 1. All dimensions and clearances within restroom areas shown on details are to be measured from finished surfaces.
- 2. Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle 1⁄4" thick with edges 12" long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle 1/4" thick and 12" in diameter.
- 3. Unisex sanitary facilities shall be identified by a circle 1/4" thick, 12" diameter, with a 1/4" thick triangle superimposed within the circle
- 4. Additional signage requirements: Raised letters shall be provided and shall be accompanied by Braille. They shall be installed on the wall adjacent to the latch outside of the door. Where there is no wall space on the latch side, including at double leaf doors, signs shall be placed on the nearest adjacent wall, preferably on the right. Mounting height shall be 48" minimum AFF to lowest baseline - 60" AFF maximum to highest baseline. Mounting location shall be determined so that a person may approach within 3" of signage without encountering protruding objects or standing within the swing of a door.
- 5. There shall be sufficient space in the toilet room for a wheelchair measuring 30" wide by 48" long to enter the room and permit the door to close. 6. There shall be in the room a clear floor space of at least 60" in diameter, or a T-shaped space. No door shall encroach into
- this space for more than 12". . The water closet shall be located in a space 60" min. clear in width. The side shall provide a minimum of 17" and a maximun of 18" from the center line of the water closet to the adjacent wall. A minimum 48"x60" clear floor space shall be provided in
- front of the water closet. Provide a minimum 60"x56" clear floor space around water closet when toilet is wall mounted, and a 60" x 59" minimum clear floor space if water closet is floor mounted. No fixture (including sinks) shall obstruct this clear floor space at the water closet.
- 3. In other than dwelling units, toilet rooms floors shall have a smooth, hard, non-absorbant surface such as portland cement, concrete, ceramic tile or other approved material which extends upward onto the walls at least 5 inches. Walls within water closet compartments shall be similarly finished to a height of 48 inches.
- **B. SANITARY FACILITY FIXTURES & ACCESSORIES** . A minimum of 30"x48" clear space is provided in front of lavatory allowing forward approach.
- 2. Lavatory faucets are lever type, push type or electronic control mechanism valves that are operable with one hand and do no require tight grasping, pinching or twisting of the wrist. Self closing valves shall maintain a minimum of 10 second open flow of 5 lbs. maximum force required to activate controls.
- 3. Lavatories adjacent to a wall shall be mounted with a minimum distance of 18" to the center line of the fixture. 4. All lavatories that are designed to be accessible shall be mounted with the rim or counter edge no higher than 34" above the finished floor and vertical clearance measured from the bottom of the apron or outside bottom edge of the lavatory of 29" reducing to 27" at a point located 8" back from edge. Toe clearance under lavatory is under 9" high, 30" wide and extends a minimum of 17" in depth from the front of the lavatory.
- 5. All piping under lavatories shall be configured, insulated or otherwise covered to prevent contact. There shall be no sharp or abrasive surfaces under lavatories.
- 6. Controls for water closet flush valves shall be mounted on the wide side of toilet areas and shall require 5 lbs. maximum pressure to operate flush valve. . Water closet and urinal flush valves controls and faucet and operating mechanism controls, shall be operable with one hand,
- shall not require tight grasping, pinching, or twisting of the wrist, and shall be mounted no more than 44" above the floor. 8. Mirrors shall be mounted with the bottom of the reflective surface no higher than 40" from the finished floor elevation.
- 9. Where towels, sanitary napkins, waste receptacles, and other similar dispensing and disposal fixtures are provided, at least
- one of each type shall be located with all operable parts, including coin slots, within 40" from the finished floor. 10. Toilet tissue dispensers that control delivery or that do not permit continuous paper flow shall not be used. Dispenser is to be located within 7"-9" of the front edge of the toilet seat to the centerline of the dispenser with 19" min. height from floor to center line of dispenser (below grab bar).
- 11. The top of the toilet seat 17" to 19" from floor surface measured to the top of a maximum 2" high toilet seat. C. GRAB BARS
- 1. Grab bars shall be located on each side, or on one side and the back of the accessible toilet stall or compartment. 2. Grab bars at the side shall be with the front end positioned 24" in front of the water closet stool and with the back end positioned no more than 12" from the rear wall.
- 3. Grab bars shall be securely attached 33" AFF to centerline and parallel to the floor, except that where a tank-type toilet is used which obstructs placement at 33", the grab bar may be as high as 36". 4. The diameter or width of the gripping surfaces of a grab bar shall be 1-1/4" to 1-1/2" or the shape shall provide an equivalent gripping surface. If grab bars are mounted adjacent to a wall, the clearance between the wall and the grab bars shall be
- 5. No protruding objects shall be mounted 12" above the grab bar or 1-1/2" below the grab bar.



INTERNATIONAL SYMBOL OF ACCESSIBILITY

- 1. MINIMUM 6"x6" DECAL TO BE LOCATED AT EACH PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR EXTERIOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL.
- 2. MINIMUM 36"x36" PAINTED SYMBOL ON PAVEMENT SHALL BE LOCATED IN STALL SO THAT IT IS VISIBLE BY A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE. (CENTERED AT STALL ENTRANCE RECOMMENDED) 3. BACKGROUND TO BE BLUE, WHEELCHAIR SYMBOL TO BE WHITE (TYPICAL).

ACCESSIBILITY SYMBOL SCALE: 3/4"=1'-0"



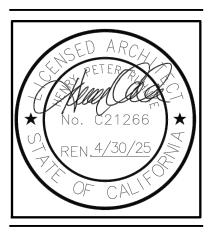
SINK CLEARANCES

WALD RUHNKE & DOST ARCHITECTS LLP

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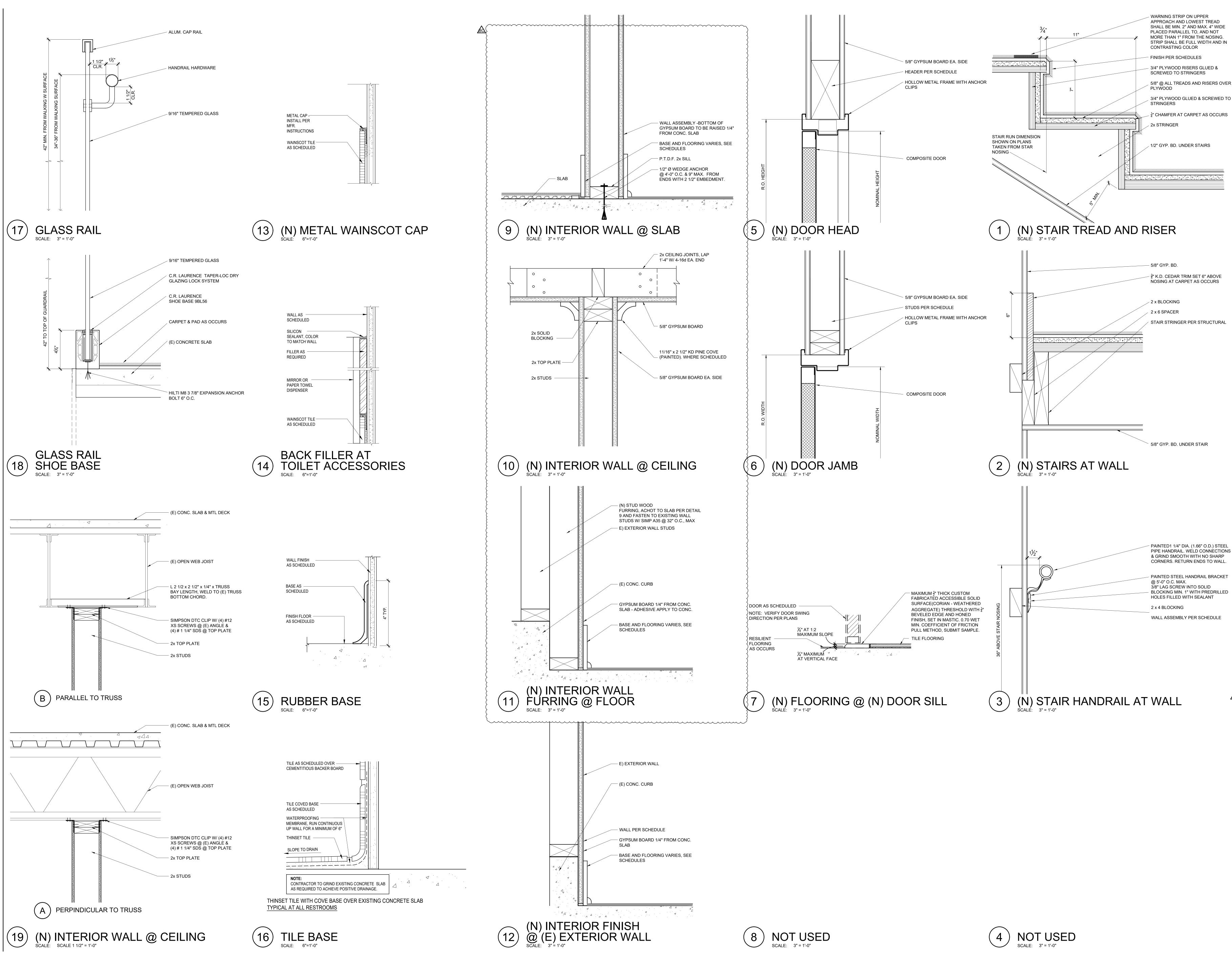
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SHALL BE MIN. 2" AND MAX. 4" WIDE MORE THAN 1" FROM THE NOSING. STRIP SHALL BE FULL WIDTH AND IN

3/4" PLYWOOD GLUED & SCREWED TO

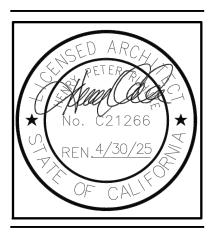
- ¹/₄" CHAMFER AT CARPET AS OCCURS



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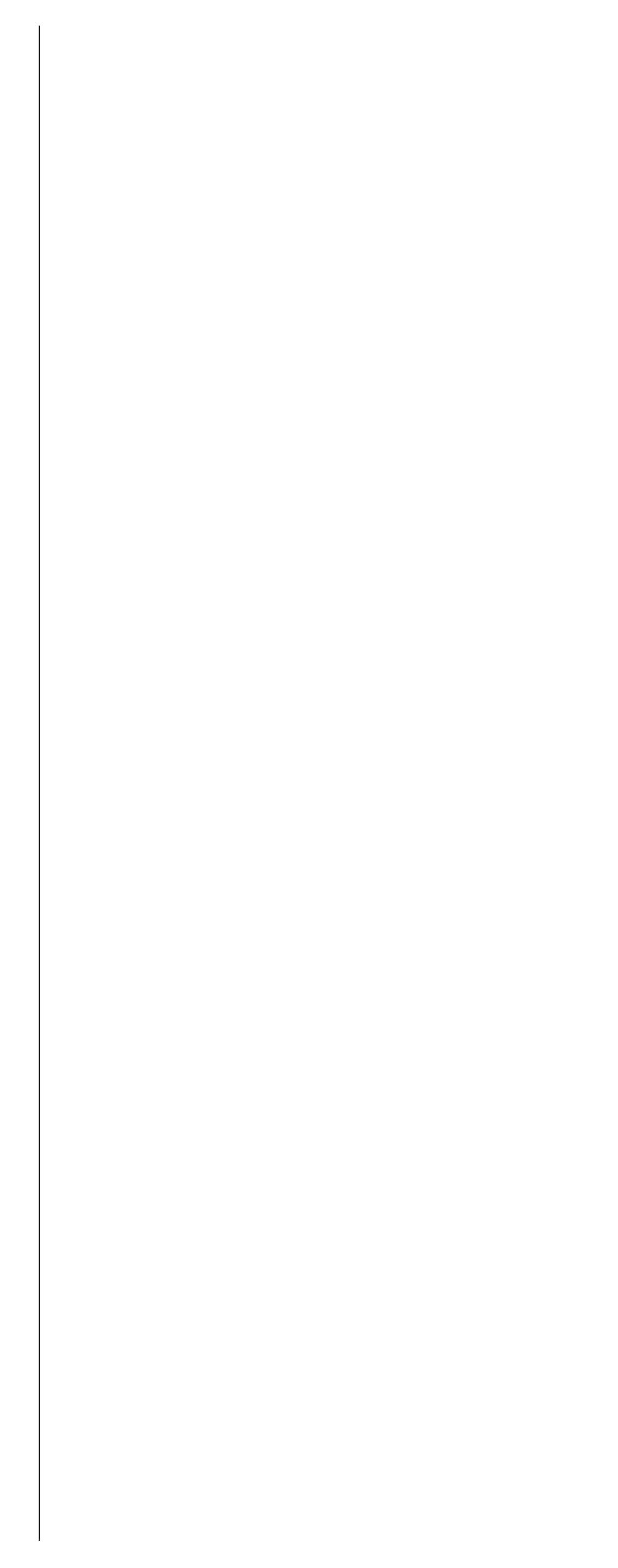


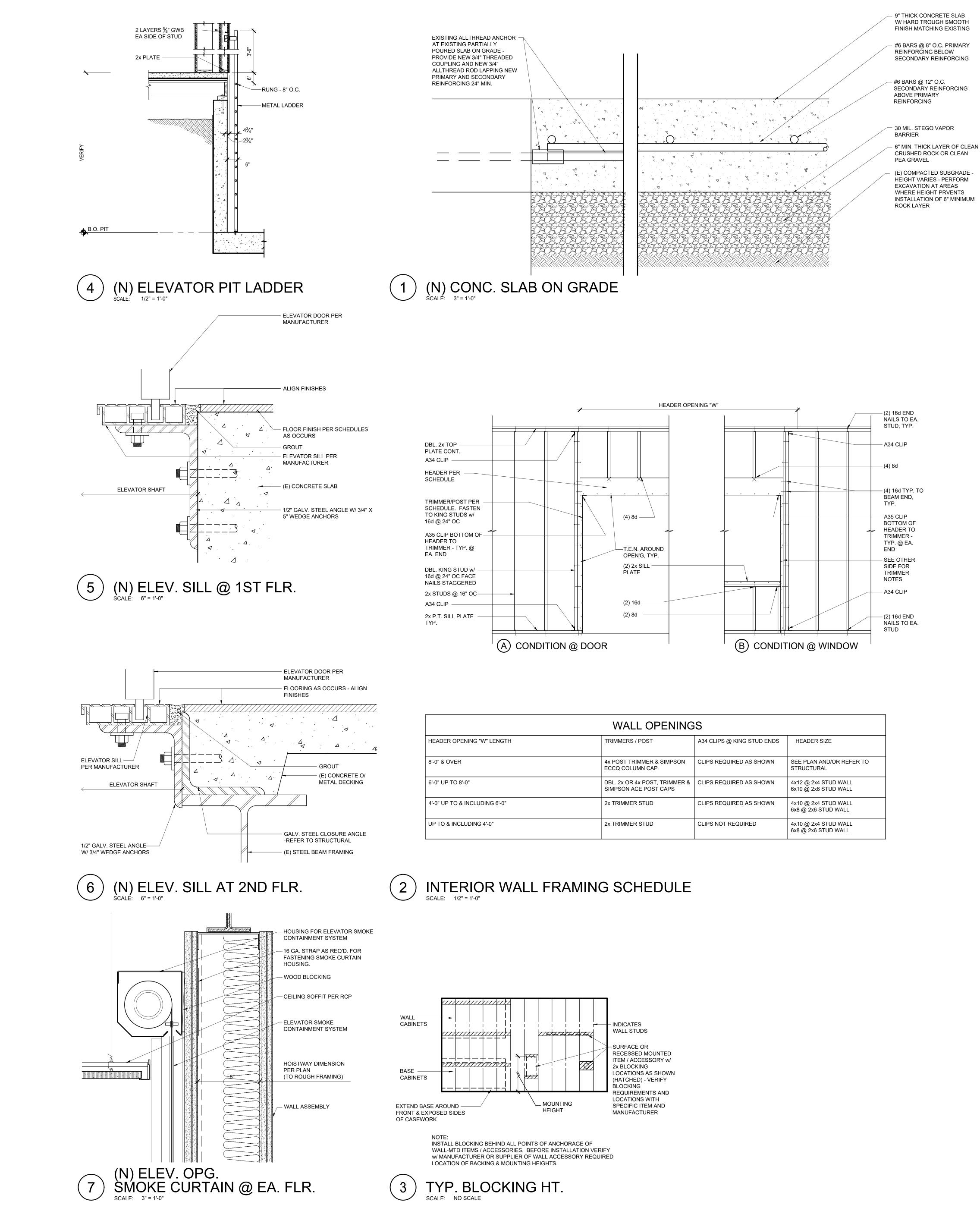
STAIR STRINGER PER STRUCTURAL

STEEL CTIONS ARP VALL. ACKET	MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELI	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD. MOSS LANDING CA 95039	A.P.N. NO.: 413-002-00(3 & 5)-000
JLE	PLOT I DRAW CHECI SET IS)84 DATE: DATE: N BY: KED BY: SUED: CHECK SUE	BMITTAL: 12/1 MITTAL: 7/1	2.2023 DD - 6/22 0/23 1/23
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FILE NAME .:

22084-A902





WALL OPENINGS					
IEADER OPENING "W" LENGTH	TRIMMERS / POST	A34 CLIPS @ KING STUD ENDS	HEADER SIZE		
'-0" & OVER	4x POST TRIMMER & SIMPSON ECCQ COLUMN CAP	CLIPS REQUIRED AS SHOWN	SEE PLAN AND/OR REFER TO STRUCTURAL		
'-0" UP TO 8'-0"	DBL. 2x OR 4x POST, TRIMMER & SIMPSON ACE POST CAPS	CLIPS REQUIRED AS SHOWN	4x12 @ 2x4 STUD WALL 6x10 @ 2x6 STUD WALL		
'-0" UP TO & INCLUDING 6'-0"	2x TRIMMER STUD	CLIPS REQUIRED AS SHOWN	4x10 @ 2x4 STUD WALL 6x8 @ 2x6 STUD WALL		
IP TO & INCLUDING 4'-0"	2x TRIMMER STUD	CLIPS NOT REQUIRED	4x10 @ 2x4 STUD WALL 6x8 @ 2x6 STUD WALL		

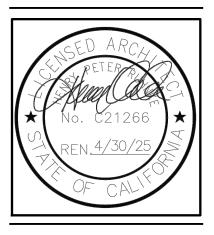
- 9" THICK CONCRETE SLAB W/ HARD TROUGH SMOOTH FINISH MATCHING EXISTING



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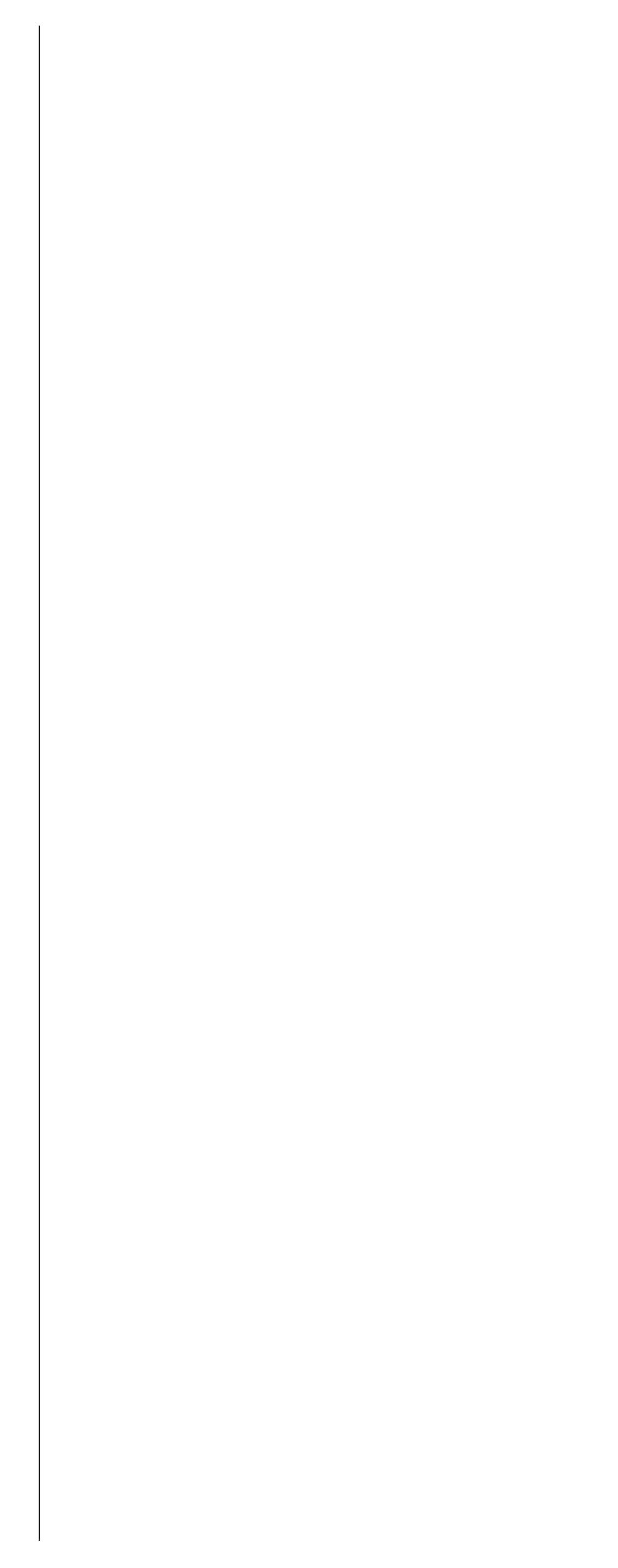
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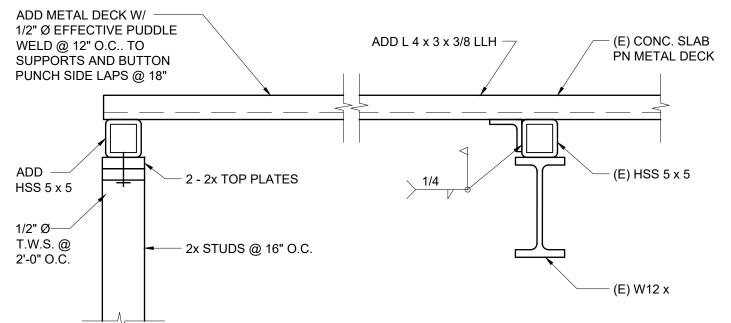
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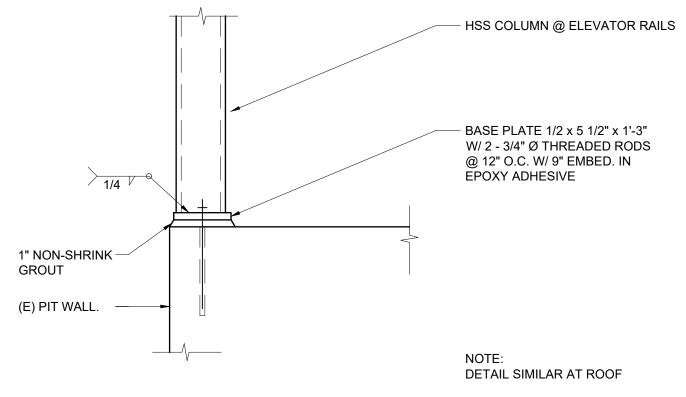
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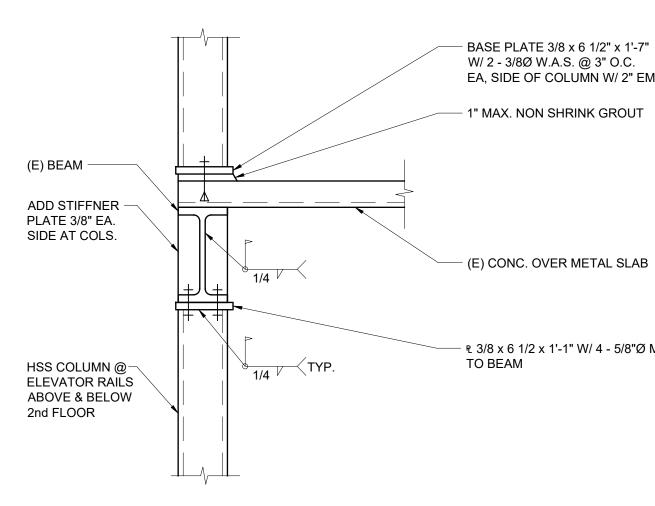
WELD @ 12" O.C.. TO SUPPORTS AND BUTTON PUNCH SIDE LAPS @ 18" ADD -----HSS 5 x 5

) **DETAIL** SCALE: NOT TO SCALE 5



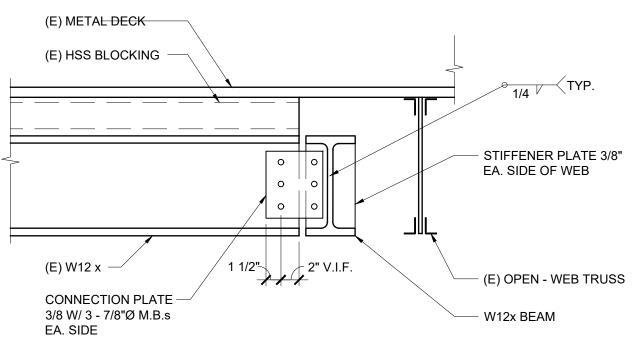




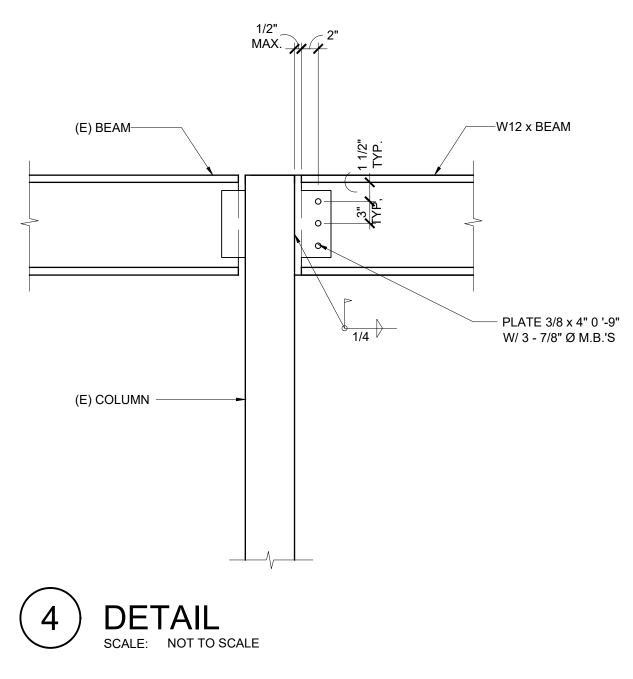




COLUMN AT ELEVATOR RAILS SCALE: NOT TO SCALE



3) DETAIL SCALE: NOT TO SCALE

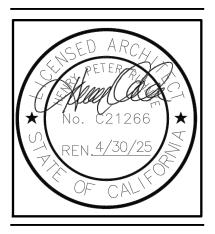




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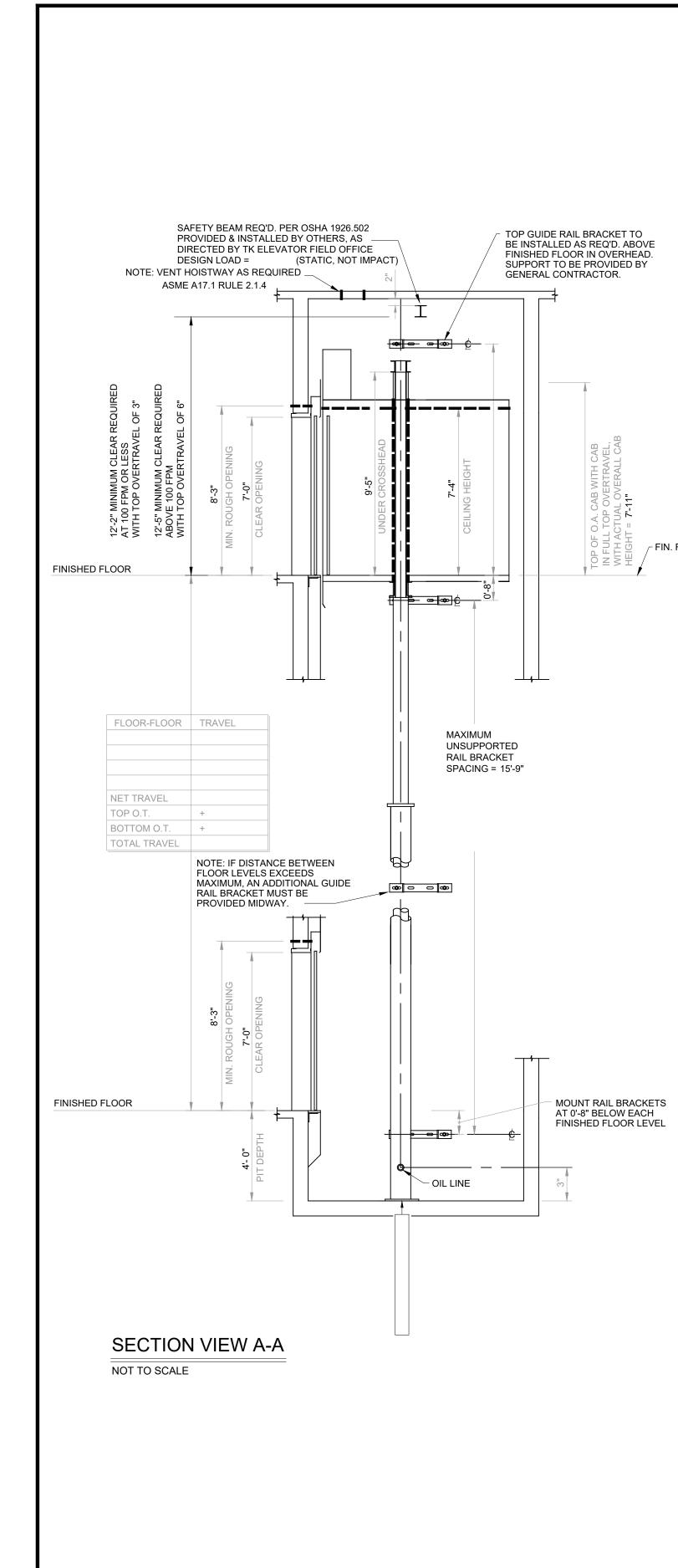


EA, SIDE OF COLUMN W/ 2" EMBED.

SHI ANDING HARBOR DISTRIC HARBOR BUILDING WARM δÖ , NO 2460 HIGHWAY ONE, MOSS LANDING HARE 7881 SANHOLT ROAD MOSS L JOB NO. 22084 PRINT DATE: PLOT DATE: 7.20.2023 DRAWN BY: ____ DD CHECKED BY: SET ISSUED: PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23

SHEET NAME:

INTERIOR DETAILS SHEET NO .: ______ A904 mmmm 22084-A904 FILE NAME.:



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┌─ FIN. FLR.

4'-2" 2 3/4" 7'-10 1/2" BACK 7'-3" BET 1 1/2" 6'-8 \bigcirc _____ _ 🖞 JACK (TYP.)

8" WIDE x 8" HIG 8" x 8" PIPE SLEE TO BE COORDIN ELEVATOR SUPT

FRONT LEFT

A ← HOISTWAY PLA HOISTWAY W/

NOTE A: OIL PIPE LINES NOTE B: ALL REACTION NOTE C: TK ELEVATOR TO BE NOTIFIED OF ANY CH HOISTWAY OR MACHINE ROOM DESIGN.

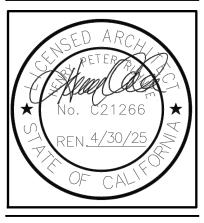
Α – 8'-4" C

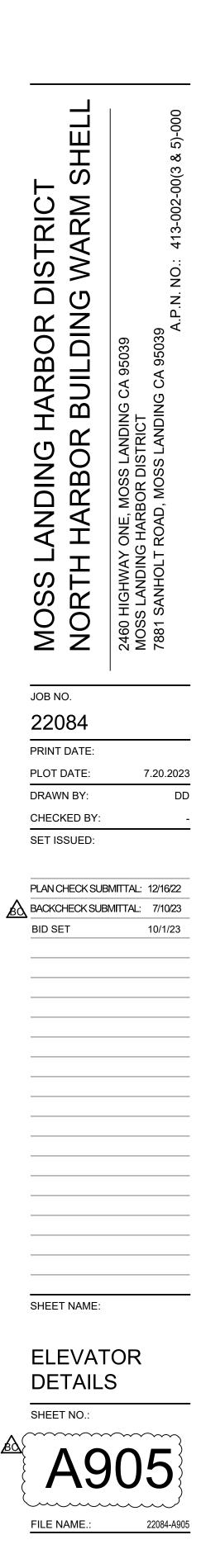
	HYDRAULIC ELEVATOR CONTRACT DATA
	TYPE: endura SPEED: FPM UP MAX 150 FPM DOWN MAX. CAPACITY: 3500
	OPERATION: DOOR TYPE: ONE SPEED
	PLATFORM THK: 3 3/8 BOTTOM CAR RUNBY: 6"
	BOTTOM CAR RUNBY: 6" BETWEEN PIT FLR. & CAR BOLSTER ON COMPRESSED BUFFER: 2'-3 7/8"
	 BETWEEN PIT FLR. & CAR BOLSTER ON COMPRESSED BUFFER: 2-3 7/8" THE FOLLOWING CONDITIONS MUST BE MET BEFORE INSTALLATION IS COMPLETED, AND ARE NOT INCLUDED IN THE ELEVATOR CONTRACT: A PLUMB, PROPERLY VENTLATED HOISTWAY (ACCORDING TO CODE AND SIZES SHOWN). ADEQUATE SUPPORT FOR JACK, GUIDE RAIL BRACKETS, AND BUFFERS (FOR REACTIONS SHOWN). HOISTWAY BARRICADES AND ALL CUTTING AND PATCHING TO INSTALL HOISTWAY ENTRANCES, SILLS, HALL FIXTURES, OIL AND ELECTRIC LIVES. PIT LIGHTS AND SWITCH, CONVENIENCE OUTLETS WITH GFCI PROTECTION PER NEC, PIT LADDER PER CAR (ACCORDING TO CODE). NOTE: MUST BE CLEAR OF ALL ELEVATOR EQUIPMENT. DEDICATED 120 VOLT, 15 AMP. SERVICE, ALONG WITH TELEPHONE CIRCUIT WHEN REQUIRED, TO TERMINALS OF EACH REQUIRED CONTROLLER (AS LOCATED ON PLAN VIEW) FOR THE FOLLOWING - CAR LIGHT AND JARM CIRCUIT WITH GFCI PROTECTION PER NEC - GROUP CONTROL WHEN REQUIRED NOTE: IF STANDBY POWER IS SUPPLIED TO ELEVATOR, CAR LIGHT AND ALARM CIRCUIT AND GROUP CONTROL SERVICE MUST BE STANDBY POWER BACKED. BRANCH-CIRCUIT CONDUCTOR SIZING, MATERALS, AND INSULATION (INCLUDING BRANCH-CIRCUIT OVERCURRENT PROTECTIVE DEVICE) TO COMPLY WITH ALL LOCAL ELECTRICAL CODES (SEE "ELECTRICAL POWER REQUIRED). NOTE: ALSO, A FOURTH WIRE TO BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE IS REQUIRED FOR GROUNDING PURPOSES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE. NOTE: IF STANDBY POWER IS REQUIRED, SEE "ELEVATOR STANDBY POWER OPERATION". GEN. CONTRACTOR MUST FORWARD POWER REQUIREMENTS TO ELEC. CONTRACTOR. AN ENCLOSED MACHINE AREA (ACCORDING TO CODE), WITH ADEQUATE LIGHT, HEAT, AND VENTLATION (MIN. 50°F. MAX. 30°F. WITH NON-CONDENSING HUMDITY OF 10-90%), AND SEALED CONCRETE FLOOR SLAB SURFACE. NOTE: MUST REOVIDE ADEQUATE LOON SLEE TO ALLOW INSTALLATION OF EQUIPMENT, OR LEAVE WALL OUT UNTLE QUIPMENT IS IN PLACE. ENTRANCE WALL WALL DUT UNTLE SUUPMENT IS IN PLACE. ENTRANCE AROUGH OPENING 15' WIDER AND 15' HICHER TH
CLEAR HOISTWAY <u>4'-2" 4'-2" 4'-2" 4'-2" 4'-2" <u>4'-2" 4'-2" 4'-2" 4'-2" <u>4'-2" 4'-2" 4'-2" 4'-2" 4'-2" 4'-2" <u>4'-2" 4'-2" 4'-2" 4'</u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u>	
BUFFER 	RAIL FORCESF1F2OMEGA RAILS $ F1$ 567 LBS. 567 LBS. 398 LBS.
	DESIGNED PER ASME A17.1 CODE. DO NOT SCALE THIS DRAWING
0 1/4	FOR: ELEV #
PNG. 3'-11" PNG. 3'-3 1/2"	ADDRESS: CITY:
EN CENTER LINE OF JACKS	ARCHITECT:
	GENERAL CONTRACTOR:
	ELEVATOR CONTRACTOR: TK Elevator
 _AN W/ F.L. OPG.	This drawing and all information thereon is the proprietary property of TK Elevator and must not be made public or copied. This drawing is loaned subject to return on demand
AN W/ F.L. OPG. / F.R. OPG. OPPOSITE HAND	and is not to be used directly or indirectly in any manner detrimental to the interest of TK Elevator.
	TKE
ES AND FITTINGS SHALL BE PROPERLY SUPPORTED TO RELIEVE STRAIN.	
ONS INCLUDE ALLOWANCE FOR IMPACT. R TO BE NOTIFIED OF ANY CHANGE TO ELEVATOR	DRAWN DATE PRELIMINARY DRAWING 1 OF 1



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ECTION 14 24 00 YDRAULIC PASSENGER ELEVATORS	the drywall framing so that the wall fire resistance rating is maintained, when drywall construction is used. 18. Where sheet rock or drywall construction is used for front walls, it shall be of sufficient strength	C. Powder Coat paint selection: Submit manufacturer's standard selection charts for exposed finishes and materials.	1
ART 1 GENERAL	to maintain the doors in true lateral alignment. Drywall contractor to coordinate with elevator contractor.	D. Plastic laminate selection: Submit manufacturer's standard selection charts for exposed finishes and	3
01 SUMMARY	 Before erection of rough walls and doors; erect hoistway sills, headers, and frames. After rough walls are finished; erect fascias and toe guards. Set sill level and slightly above finished floor at 	materials.	F. Susta 1
 A. Section includes: Hydraulic passenger elevators as shown and specified. Elevator work includes: 1. Standard pre-engineered hydraulic passenger elevators. 2. Elevator car enclosures, hoistway entrances and signal equipment. 	landings. 20. To maintain legal fire rating (masonry construction), door frames are to be anchored to walls	E. Metal Finishes: Upon request, standard metal samples provided.	
 Control control systems. Jack(s). 	and properly grouted in place. 21. The elevator wall shall interface with the hoistway entrance assembly and be in strict	F. Operation and maintenance data. Include the following:1. Owner's manuals and wiring diagrams.	
 5. Accessibility provisions for physically disabled persons. 6. Equipment, machines, controls, systems and devices as required for safely operating the 	compliance with the elevator contractor's requirements. 22. General Contractor shall fill and grout around entrances, as required.	2. Parts list, with recommended parts inventory.	
specified elevators at their rated speed and capacity.7. Materials and accessories as required to complete the elevator installation.	23. Elevator sill supports shall be provided at each opening.24. All walls and sill supports must be plumb where openings occur.	1.03 QUALITY ASSURANCEA. Manufacturer Qualifications: An approved manufacturer with minimum 15 years of experience in	2
B. Work Not Included: General contractor shall provide the following in accordance with the requirements of the Model Building Code and ANSI A17.1 Code. For specific rules, refer to ANSI A17.1, Part 3 for	 25. For applications with jack hole, free and clear access to the elevator pit area for the jack hole- drilling rig is required. 26. Where is a basis is an aviand a concernent of the set is a basis of the level of the set is a set of the set of the	manufacturing, installing, and servicing elevators of the type required for the project. 1. The manufacturer of machines, controllers, signal fixtures, door operators cabs, entrances, and	
hydraulic elevators. State or local requirements must be used if more stringent. The cost of this work is not included in the TK Elevator's proposal, since it is a part of the building construction.	26. Where jack hole is required, remove all spoils from jack hole drilling. 27. When not provided by Elevator Contractor, jack hole shall accommodate the jack unit. If	all other major parts of elevator operating equipment. a. The major parts of the elevator equipment shall be manufactured by the installing company,	
 Elevator hoist beam to be provided at top of elevator shaft. Beam must be able to accommodate proper loads and clearances for elevator installation and operation. 	required the jack hole is to be provided in strict accordance with the elevator contractor's shop drawings. 28. Locate a light fixture (200 lx / 19 fc) and convenience outlet in pit with switch located adjacent to	and not be an assembled system. 2. The manufacturer shall have a documented, on-going quality assurance program.	3
 Supply in ample time for installation by other trades, inserts, anchors, bearing plates, brackets, supports and bracing including all setting templates and diagrams for placement. 	the access door. 29. A light switch and fused disconnect switch for each elevator should be located inside the	 ISO-9001:2000 Manufacturer Certified ISO-14001:2004 Environmental Management System Certified 	4
 Hoistway should be clear and plumb with variations not to exceed 1/2" at any point. Elevator hoistways shall have barricades, as required. Install bevel guards at 75° on all recesses, projections or setbacks over 2" (4" for A17.1 2000 	machine room adjacent to the door, where practical, per the National Electrical Code (NFPA No. 70).	 LEED Gold certified elevator manufacturing facility. B. Installer Qualifications: The manufacturer or an authorized agent of the manufacturer with not less than 	1.04 DELI A. Manu
 Install bever guards at 75 on all recesses, projections of setbacks over 2 (4 for A17.12000 areas) except for loading or unloading. Provide rail bracket supports at pit, each floor and roof. For guide rail bracket supports, provide 	30. For signal systems and power operated door: provide ground and branch wiring circuits, including main line switch.	 Installer Qualifications: The manufacturer of an authorized agent of the manufacturer with not less than 15 years of satisfactory experience installing elevators equal in character and performance to the project elevators. 	respo
divider beams between hoistway at each floor and roof.7. Pit floor shall be level and free of debris. Reinforce dry pit to sustain normal vertical forces from	31. For car light and fan: provide a feeder and branch wiring circuits, including main line switch. 32. Wall thickness may increase when fixtures are mounted in drywall. These requirements must	C. Regulatory Requirements:	1.05 PRO A. Tem
rails and buffers. 8. Where pit access is by means of the lowest hoistway entrance, a vertical ladder of non-	be coordinated between the general contractor and the elevator contractor. 33. Provide supports, patching and recesses to accommodate hall button boxes, signal fixtures,	 ASME A17.1 Safety Code for Elevators and Escalators, latest edition or as required by the local building code. 	cons by El
combustible material extending 42" minimum, (48" minimum for A17.1-2000 areas) shall be provided at the same height, above sill of access door or handgrips.	etc 34. Locate telephone and convenience outlet on control panel.	 Building Code: National. NFPA 70 National Electrical Code. 	B. Prov norm
 Machine room to be enclosed and protected. Machine Room temperature must be maintained between 55° and 90° F. 	1.02 SUBMITTALS	 NFPA 80 Fire Doors and Windows. Americans with Disabilities Act - Accessibility Guidelines (ADAAG) 	drillir exca
11. If machine room is remote from the elevator hoistway, clear access must be available above the ceiling or metal/concrete raceways in floor for oil line and wiring duct from machine room.	A. Product data: When requested, the elevator contractor shall provide standard cab, entrance and signal fixture data to describe product for approval.	 Section 407 in ICC A117.1, when required by local authorities CAN/CSA C22.1 Canadian Electrical Code 	1
12. Access to the machinery space and machine room must be in accordance with the governing authority or code.	B. Shop drawings:	 CAN/CSA B44 Safety Code for Elevators and Escalators. California Department of Public Health Standard Method V1.1–2010, CA Section 01350 	
 Provide an 8" x 16" cutout through machine room wall, for oil line and wiring duct, coordinated with elevator contractor at the building site. 	 Show equipment arrangement in the corridor, pit, and hoistway and/or optional control room. Provide plans, elevations, sections and details of assembly, erection, anchorage, and 		2
14. All wire and conduit should run remote from the hoistways.15. When heat, smoke or combustion sensing devices are required, connect to elevator control	equipment location. 2. Indicate elevator system capacities, sizes, performances, safety features, finishes and other	D. Fire-rated entrance assemblies: Opening protective assemblies including frames, hardware, and operation shall comply with ASTM E2074, CAN4-S104 (ULC-S104), UL10(b), and NFPA Standard 80. Description of the standard	
cabinet terminals. Contacts on the sensors should be sided for 12 volt D.C. 16. Install and furnish finished flooring in elevator cab. 17. Finished floors and entrance walls are not to be constructed until after sills and door frames are	pertinent information. 3. Show floors served, travel distances, maximum loads imposed on the building structure at	Provide entrance assembly units bearing Class B or 1 1/2 hour label by a Nationally Recognized Testing Laboratory (2 hour label in Canada).	1.06 WAF
in place. Consult elevator contractor for rough opening size. The general contractor shall supply	points of support and all similar considerations of the elevator work. 4. Indicate electrical power requirements and branch circuit protection device recommendations.	E. Inspection and testing:	
A. Warranty: Submit elevator manufacturer's standard written warranty agreeing to repair, restore or replace defects in elevator work materials and workmanship not due to ordinary wear and tear or improper use or care for 12 months after final acceptance.	E. Buffers: Provide substantial buffers in the elevator pit. Mount buffers on continuous channels fastened to the elevator guide rail or securely anchored to the pit floor. Provide extensions if required by project conditions.	4. Lowering valve and leveling valve shall be adjustable for down start speed, lowering speed, leveling speed and stopping speed to ensure smooth "down" starts and stops. The leveling valve shall be designed to level the car to the floor in the direction the car is traveling after	7
07 MAINTENANCE	F. Jack: A jack unit shall be of sufficient size to lift the gross load the height specified. Factory test jack to ensure adequate strength and freedom from leakage. Brittle material, such as gray cast iron, is	slowdown is initiated. 5. Provided with constant speed regulation in both up and down direction. Feature to compensate	8
A. Furnish maintenance and call back service for a period of 12 months for each elevator after completion of installation or acceptance thereof by beneficial use, whichever is earlier, during normal working hours	prohibited in the jack construction. Provide the following jack type: Twin post holeless. Two jacks piped together, mounted one on each side of the car with a polished steel hydraulic plunger housed in a	for load changes, oil temperature, and viscosity changes.6. Solid State Starting: Provide an electronic starter featuring adjustable starting currents.	B. Car "eme
excluding callbacks. 1. Service shall consist of periodic examination of the equipment, adjustment, lubrication, cleaning,	sealed steel casing having sufficient clearance space to allow for alignment during installation. Each plunger shall have a high pressure sealing system which will not allow for seal movement or	 Oil Type: Provide a zinc free, inherently biodegradable lubricant formulated with premium base stocks to provide outstanding protection for demanding hydraulic systems, especially those 	the r elev
supplies and parts to keep the elevators in proper operation. Maintenance work, including emergency call back repair service, shall be performed by trained employees of the elevator	displacement during the course of operation. Each Jack Assembly shall have a check valve built into the assembly to allow for automatically re-syncing the two plunger sections by moving the jack to its	operating in environmentally sensitive areas. 2.05 HOISTWAY ENTRANCES	2.07 DOC
contractor during regular working hours.2. Submit parts catalog and show evidence of local parts inventory with complete list of	fully contracted position. The jack shall be designed to be mounted on the pit floor or in a recess in the pit floor. Each jack section shall have a bleeder valve to discharge any air trapped in the section	A. Doors and Frames: Provide complete hollow metal type hoistway entrances at each hoistway opening	A. Door oper
recommended spare parts. Parts shall be produced by manufacturer of original equipment. 3. Manufacturer shall have a service office and full time service personnel within a 100 mile radius	G. Automatic Self-Leveling: Provide each elevator car with a self-leveling feature to automatically bring the car to the floor landings and correct for over travel or under travel. Self-leveling shall, within its zone, be automatic and independent of the operating device. The car shall be maintained approximately level	bolted\knock down construction. 1. Manufacturer's standard entrance design consisting of hangers, doors, hanger supports, hanger	and t door
of the project site.	with the landing irrespective of its load. H. Wiring, Piping, and Oil: Provide all necessary hoistway wiring in accordance with the National Electrical	covers, fascia plates (where required), sight guards, and necessary hardware. 2. Main landing door & frame finish: ASTM A1008 steel panels, factory applied powder coat finish	posit move
D1 MANUFACTURERS	Code. All necessary code compliant pipe and fittings shall be provided to connect the power unit to the jack unit. Provide proper grade inherently biodegradable oil as specified by the manufacturer of the	with factory-applied powder coat finish entrance frame. 3. Typical door & frame finish: ASTM A366 steel panels, factory applied powder coat enamel finish	at th oper
A. Manufacturer: Design based around TK Elevator's endura hydraulic elevator.	power unit (see Power Unit section 2.04.G for further details)	with factory-applied powder coat finish entrance frame. B. Interlocks: Equip each hoistway entrance with an approved type interlock tested as required by code.	and land
02 MATERIALS, GENERAL	2.04 POWER UNIT A. Power Unit (Oil Pumping and Control Mechanism): A self-contained unit consisting of the following	Provide door restriction devices as required by code. C. Door Hanger and Tracks: Provide sheave type two point suspension hangers and tracks for each hoistway horizontal sliding door.	2
A. All Elevator Cab materials including frame, buttons, lighting, wall and ceiling assembly, laminates and carpet shall have an EPD and an HPD, and shall meet the California Department of Public Health	items: 1. An oil reservoir with tank cover.	 Sheaves: Polyurethane tires with ball bearings properly sealed to retain grease. Hangers: Provide an adjustable device beneath the track to limit the up-thrust of the doors 	2
Standard Method V1.1–2010, CA Section 01350 as mentioned in 1.03.9 of this specification. B. Colors, patterns, and finishes: As selected by the Architect from manufacturer's full range of standard	 An oil hydraulic pump. An electric motor. 	during operation.Tracks: Drawn steel shapes, smooth surface and shaped to conform to the hanger sheaves.	З
colors, patterns, and finishes. C. Steel:	 An oil control valve with the following components built into single housing; high pressure relief valve, check valve, automatic unloading up start valve, lowering and leveling valve, and electro- 	D. Hoistway Sills: Extruded metal, with groove(s) in top surface. Provide mill finish on aluminum.	
 Shapes and bars: Carbon. Sheet: Cold-rolled steel sheet, commercial quality, Class 1, matte finish. Finish: Factory-applied baked enamel for structural parts, powder coat for architectural parts. 	magnetic controlling solenoids.	2.06 PASSENGER ELEVATOR CAR ENCLOSURE	4
Color selection must be based on elevator manufacture's standard selections. D. Plastic laminate: Decorative high-pressure type, complying with NEMA LD3, Type GP-50 General	B. Pump: Positive displacement type pump specifically manufactured for oil-hydraulic elevator service. Pump shall be designed for steady discharge with minimum pulsation to give smooth and quiet	 A. Car Enclosure: 1. Walls: Cab type TKAP, reinforced cold-rolled steel with two coats factory applied baked enamel 	
Purpose Grade, nominal 0.050" thickness. Laminate selection must be based on elevator manufacture's standard selections.	operation. Output of pump shall not vary more than 10 percent between no load and full load on the elevator car.	finish, with applied vertical wood core panels covered on both sides with high pressure plastic laminate.	
E. Flooring by others.	C. Motor: Standard manufacture motor specifically designed for oil-hydraulic elevator service. Duty rating shall be selected for specified speed and load.	 Reveals and frieze: a. Reveals and frieze: Stainless steel, no. 4 brushed finish Canopy: Cold-rolled steel with hinged exit. 	5
03 HOISTWAY EQUIPMENT	D. Oil Control Unit: The following components shall be built into a single housing. Welded manifolds with separate valves to accomplish each function are not acceptable. Adjustments shall be accessible and be made without removing the accessible from the cilling.	 Ceiling: Suspended type, LED lighting with translucent diffuser mounted in a metal frame. Framework shall be finished with a factory applied powder coat finish. 	6
A. Platform: Fabricated frame of formed or structural steel shapes, gusseted and rigidly welded with a wood sub-floor. Underside of the platform shall be fireproofed. The car platform shall be designed and	 be made without removing the assembly from the oil line. 1. Relief valve shall be adjustable and be capable of bypassing the total oil flow without increasing back pressure more than 10 percent above that required to barely open the valve. 	 Cab Fronts, Return, Transom, Soffit and Strike: Provide panels faced with brushed stainless steel 	7
fabricated to support one-piece loads weighing up to 25% of the rated capacity. B. Sling: Steel stiles bolted or welded to a steel crosshead and bolstered with bracing members to remove	 Up start and stop valve shall be adjustable and designed to bypass oil flow during start and stop of motor pump assembly. Valve shall close slowly, gradually diverting oil to or from the jack unit, 	 Doors: Horizontal sliding car doors reinforced with steel for panel rigidity. Hang doors on sheave type hangers with polyurethane tires that roll on a polished steel track and are guided at the bottom by page metalling sliding suides. 	8
strain from the car enclosure.C. Guide Rails: Steel, omega shaped, fastened to the building structure with steel brackets.D. Guides: Slide guides shall be mounted on top and bottom of the car.	ensuring smooth up starts and up stops.3. Check valve shall be designed to close quietly without permitting any perceptible reverse flow.	bottom by non-metallic sliding guides. a. Door Finish: Stainless steel panels: No. 4 brushed finish. b. Cab Sills: Extruded aluminum, mill finish.	
B. Door Protection Device: Provide a door protection system using microprocessor controlled infra-red light beams. The beams shall project across the car opening detecting the presence of a passenger or object. If door movement is obstructed, the doors shall immediately reopen.	Cloud-based IoT Monitoring System (standard): Contractor shall provide a cloud-based IoT (internet of things) monitoring system capable of tracking door movements and timing, trips, power cycles, car calls, out-of-service events and modes. This observation will continue 24/7 and it shall be capable of	This system shall be capable of placing an automatic call to a user-configured destination floor automatically based on both location in building (floor) and time of day. App users shall be able to configure their own source or starting floor, destination floor and schedule of automatic calling service,	3 C. Perfo
08 CAR OPERATING STATION	providing service technicians a minimum of three recommended solutions for defined failure events and automatically dispatch service technicians in the event of failure(s) while sending notifications to end	and be able to configure multiple automatic calling services and routines. System shall have reasonable ability to auto-provision users from access control system and not require duplicate entry of users for	man D. Sup
A. Car Operating Station, General: The main car control in each car shall contain the devices required for specific operation mounted in an integral swing return panel requiring no applied faceplate. Wrap return	users of changes in their equipment's state via both email and mobile device. Access to IoT and related equipment data and status will be made available in both a web portal and mobile application secured	access control purposes. Finally, all services above shall be made available via an application programming interface (API) so that a 3rd party or tenant occupant app could be integrated with elevator	supp E. Weld
shall have a brushed stainless steel finish. The main car operating panel shall be mounted in the return and comply with handicap requirements. Pushbuttons that illuminate using long lasting LED's shall be	by password and username with at least two-factor authentication. Finally, this system must be self- contained and not require internet provision by others.	smart device calling service so that users could receive multiple occupant experience-based services in a single, common, 3rd party mobile device application (app).	conn main
included for each floor served, and emergency buttons and switches shall be provided per code. Switches for car light and accessories shall be provided.	Along with the monitoring system, options are available.	2.10 HALL STATIONS	qual F. Coo
B. Emergency Communications System: Integral phone system provided.C. Auxiliary Operating Panel:	Remote Monitoring with Application Programming Interface (API) Integration: Contractor shall provide a	A. Hall Stations, General: Buttons shall illuminate to indicate call has been registered at that floor for the	avoi dime Gunsta
D. Column Mounted Car Riding Lantern: A car riding lantern shall be installed in the elevator cab and located in the entrance. The lantern, when illuminated, will indicate the intended direction of travel. The lantern will illuminate a care arises at a flags the intended in the intended in the entrance.	portal and mobile device application (app) that communicates relevant service and operational information such as elevator operational status, open service call tickets, call ticket history and	indicated direction. 1. Provide one pushbutton riser with faceplates having a brushed stainless steel finish.	G. Insta oper H. Aligr
lantern will illuminate and a signal will sound when the car arrives at a floor where it will stop. The lantern shall remain illuminated until the door(s) begin to close.	performance and service history. This system shall provide a REST application programming interface (API) capable of transmitting relevant information from the cloud-based IoT monitoring system. This data isoludos againment operational status, deer measurements, consistence and maintenance bioteny, traffic	 a. Phase 1 firefighter's service key switch, with instructions, shall be incorporated into the hall station at the designated level. B. Elect Identification Rade: Provide destriant pade at each floor. Jamb pade shall comply with 	accu until
E. Special Equipment: Not Applicable	includes equipment operational status, door movements, service and maintenance history, traffic statistics and failure alerts.	 B. Floor Identification Pads: Provide door jamb pads at each floor. Jamb pads shall comply with Americans with Disabilities Act (ADA) requirements. C. Hall Position Indicator: Not Applicable 	land I. Erec
F. Digital Services: Cloud-based IoT monitoring system comes standard with these options:	ADA Phone – Code Compliant Cellular Connectivity: Contractor shall provide a phone service through a self-contained cellular based VoIP system. This system shall meet code, include a backup battery	 C. Hall Position Indicator: Not Applicable D. Hall lanterns: Not Applicable E. Special Equipment: Not Applicable 	guar land
Remote Monitoring with Application Programming Interface (API) Integration	capable of powering the emergency communication equipment for 4+ hours in the event of a power outage. The solution shall have remote monitoring capability to ensure continuous connectivity with a	2.11 MISCELLANEOUS ELEVATOR COMPONENTS	J. Lubri 3.03 FIEL
ADA Phone - Code Compliant Cellular Connectivity	means of remote troubleshooting. Remote monitoring capability shall include, at a minimum, the ability to monitor connectivity and power supply. Remote monitoring shall be capable of providing local alerts to	A. Oil Hydraulic Silencer: Install multiple oil hydraulic silencers (muffler device) at the power unit location. The silencers shall contain pulsation absorbing material inserted in a blowout proof housing.	A. Acce
A17.1 2019 Code - Enhanced Communications	response personnel when on-site intervention is required.	The silencers shall contain pulsation absorbing material inserted in a blowout proof housing. PART 3 EXECUTION	perfo ager
Smart Device Elevator Calling with occupant app API integration	A17.1 2019 Code – Enhanced Communications: For jobs installed under enforcement of 2018 International Building Code or ASME A17.1-2019/CSA B44:19 Safety Code, contractor will provide a	3.01 EXAMINATION	B. Advis to be
09 CONTROL SYSTEMS	video camera necessary for viewing the elevator cab interior floor as well as a position indicator display in the cab operating panel capable of providing means of two-way, text-based communication when the	A. Before starting elevator installation, inspect hoistway, hoistway openings, pits and/or control room, as constructed, verify all critical dimensions, and examine supporting structures and all other conditions	3.04 ADJU
A. Controller: The elevator control system shall be microprocessor based and software oriented. Control of the elevator shall be automatic in operation by means of push buttons in the car numbered to	emergency call button is engaged in the elevator car. These components, and associated cloud-based monitoring platform, will be non-proprietary in nature, allowing customization on where to direct	under which elevator work is to be installed. Do not proceed with elevator installation until unsatisfactory conditions have been corrected in a manner acceptable to the installer.	A. Make and a
correspond to floors served, for registering car stops, and by "up-down" push buttons at each intermediate landing and "call" push buttons at terminal landings.	emergency calls, while offering capability for any party to provide the emergency monitoring services.	 B. Installation constitutes acceptance of existing conditions and responsibility for satisfactory performance. 	3.05 CLE
B. Automatic Light and Fan shut down: The control system shall evaluate the system activity and automatically turn off the cab lighting and ventilation fan during periods of inactivity. The settings shall	Smart Device Elevator Calling with Occupant app API Integration: Contractor will provide an elevator calling application for smart devices (app) that can be accessed through Android and IOS smart device	3.02 INSTALLATION	A. Befo
be field programmable. C. Emergency Power Operation: (10-DOA) Upon loss of the normal power supply, building-supplied	operating systems. This calling service shall be accomplished on both, Destination Dispatch and Traditional ETA elevator control system applications. Furthermore, a single, common and consistent app	A. Install elevator systems components and coordinate installation of hoistway wall construction.	acco steel
standby power is available on the same wires as the normal power supply. Once the loss of normal power is detected and standby power is available, the elevator is lowered to a pre-designated landing and the	shall have the same user experience and user interface on both Destination Dispatch and Traditional ETA dispatching control systems. To enable mobile calling functionality without creating unnecessary wear on also the second systems are shall be installed in the	 Work shall be performed by competent elevator installation personnel in accordance with ASME A17.1, manufacturer's installation instructions and approved shop drawings. Comply with the National Electrical Code for electrical work required during installation 	clear B. At co equir
doors are opened. After passengers have exited the elevator, the doors are closed and the car is shut down. When normal power is restored, the elevator automatically resumes operation.	elevator components resulting from false calls, proximity detection beacons shall be installed in the elevator lobby at each floor. These beacons shall detect user smart devices and restrict calling of elevators when the user is not within a pre-configured range of elevator entrance. Beacon-based	 Comply with the National Electrical Code for electrical work required during installation. B. Jack unit excavation (if required by the type of jack provided): Drill or otherwise excavate below 	equi 1
D. Special Operation: Net Applicable	elevators when the user is not within a pre-configured range of elevator entrance. Beacon-based	elevator pit construction as required to install the jack unit.	1
D. Special Operation: Not Applicable E. Digital Services:	proximity detection distance must be configurable to accommodate various building and floor layouts. Once Bluetooth signal is detected, the user can place a floor call directly from their handheld or wearable	1. Install casing for jack unit.	3.06 PRO

r Installer shall obtain and pay for all required inspections, tests, permits and fees for r installation. e for inspections and make required tests.	
to the Owner upon completion and acceptance of elevator work.	
oduct Qualifications: Imental Product Declaration:	
OD: If Product Category Rules (PCR) are not available, produce a publicly available, cally reviewed life-cycle assessment conforming to ISO 14044 that has at least a cradle ate scope.	
ST: If Product Category Rules (PCR) are available, produce and publish an rironmental Product Declaration (EPD) based on a critically reviewed life-cycle	
essment conforming to ISO 14044, with external verification recognized by the EPD gram operator.	
Il Transparency: OD: Provide Health Product Declaration at any level	
TTER: Provide Health Product Declaration (HPD v2 or later). Complete, published laration with full disclosure of known hazards, prepared using the Health Product	
claration Collaborative's "HPD builder" on-line tool. ST: Cradle to Cradle Material Health Certificate v3, Bronze level or higher.	
 Provide documentation for all Building Product Disclosure AND Optimization credits v4 for product specified. Building Challenge Projects: Provide Declare label for products specified. 	
Building Challenge Projects: Provide Declare label for products specified.	
shall deliver elevator materials, components and equipment and the contractor is	
provide secure and safe storage on job site. NDITIONS	
e: Elevators shall not be used for temporary service or for any other purpose during the	
eriod before Substantial Completion and acceptance by the purchaser unless agreed upon ntractor and General Contractor with signed temporary agreement.	
le for the jack unit (if required by the type of jack provided), based on excavation through clay which can be removed by manual digging or by standard truck-mounted regular rewide a casing if required to retain the walls of the hole. Construction shall remove	
rovide a casing if required to retain the walls of the hole. General contractor shall remove oils deposited in the elevator pit. rsical obstruction or hindrance is encountered below the ground surface, including	
rs, rock, gravel, wood, metal, pilings, sand, water, quick sand, caves, public utilities or er foreign material, obtain written authorization to proceed with excavating using special	
tion equipment. n a daily log of time and material costs involved.	
or contractor will be compensated on a time and material basis for additional costs d after encountering the physical obstruction or hindrance, including the cost of the	
excavation equipment.	
il: Provide 1.5' diameter cylindrical metal on side and rear walls on front opening cars	
e walls only on front and rear opening cars. Handrails shall have a stainless steel, no. 4 d finish.	
tion: Manufacturer's standard exhaust fan, mounted on the car top. ion pads and buttons: Not required	
ction: Provide a car top inspection station with an "Auto-Inspection" switch, an op" switch, and constant pressure "up and down" direction and safety buttons to make	
erating devices inoperative. The station shall give the inspector complete control of the car top inspection station shall be mounted in the door operator assembly.	
ATION	
n: Provide a direct or alternating current motor driven heavy duty operator designed to r and hoistway doors simultaneously. The door control system shall be digital closed loop	
loop circuit shall give constant feedback on the position and velocity of the elevator or torque shall be constantly adjusted to maintain the correct door speed based on its	
ad. All adjustments and setup shall be through the computer based service tool. Door all follow a field programmable speed pattern with smooth acceleration and deceleration	
travel. The mechanical door operating mechanism shall be arranged for manual rent of power failure. Doors shall automatically open when the car arrives at the landing	
ally close after an adjustable time interval or when the car is dispatched to another ntrolled units with oil checks, or other deviations are not acceptable.	
Necessary Door Operation: The car door shall open only if the car is stopping for a car or I, answering a car or hall call at the present position or selected as a dispatch car.	
pen Time Saver: If a car is stopping in response to a car call assignment only (no ent hall call), the current door hold open time is changed to a shorter field programmable	
nen the electronic door protection device is activated. Door Operation: When a car stops at a landing with concurrent up and down hall calls,	
calls, and no other hall call assignments, the car door opens to answer the hall call in the n of the car's current travel. If an onward car call is not registered before the door closes	
n 6 inches of fully closed, the travel shall reverse and the door shall reopen to answer the all. g Operation: The doors shall remain open as long as the electronic detector senses the	
ce of a passenger or object in the door opening. If door closing is prevented for a field nmable time, a buzzer shall sound. When the obstruction is removed, the door shall	
b close at reduced speed. If the infra-red door protection system detects a person or while closing on nudging, the doors shall stop and resume closing only after the	
tion has been removed. eversal: If the doors are closing and the infra-red beam(s) is interrupted, the doors shall	
and reopen. After the obstruction is cleared, the doors shall begin to close. pen Watchdog: If the doors are opening, but do not fully open after a field adjustable	
e doors shall recycle closed then attempt to open six times to try and correct the fault. lose Watchdog: If the doors are closing, but do not fully close after a field adjustable	
e doors shall recycle open then attempt to close six times to try and correct the fault. lose Assist: When the doors have failed to fully close and are in the recycle mode, the	
ive motor shall have increased torque applied to possibly overcome mechanical nce or differential air pressure and allow the door to close.	
sing for jack unit assembly plumb, and partially fill with water set⊐tled sand, eliminating	A At time of Substantial Completion of elevator work, or parties thereof, provide quitable protective
Back fill depth shall be sufficient to hold the bottom of the jack in place over time. with competent, skilled workmen under the direct control and supervision of the elevator	A. At time of Substantial Completion of elevator work, or portion thereof, provide suitable protective coverings, barriers, devices, signs, or other such methods or procedures to protect elevator work from damage or deterioration. Maintain protective measures throughout remainder of construction period.
e time for installation by other trades, inserts, anchors, bearing plates, brackets,	3.07 DEMONSTRATION
bracing including all setting templates and diagrams for placement. uction: Provide welded connections for installation of elevator work where bolted	A. Instruct Owner's personnel in proper use, operations, and daily maintenance of elevators. Review
e not required for subsequent removal or for normal operation, adjustment, inspection, and replacement of worn parts. Comply with AWS standards for workmanship and for	emergency provisions, including emergency access and procedures to be followed at time of failure in operation and other building emergencies. Train Owner's personnel in normal procedures to be
welding operators. Coordinate elevator work with the work of other trades, for proper time and sequence to	followed in checking for sources of operational failures or malfunctions.
tion delays. Use benchmarks, lines, and levels designated by the Contractor, to ensure pordination of the work.	B. Make a final check of each elevator operation, with Owner's personnel present, immediately before date of substantial completion. Determine that control systems and operating devices are functioning preperty.
ery, guides, controls, car and all equipment and accessories to provide a quiet, smoothly Ilation, free from side sway, oscillation or vibration.	3.08 ELEVATOR SCHEDULE
ordinate installation of hoistway entrances with installation of elevator guide rails for nent of entrances with cars. Where possible, delay final adjustment of sills and doors	A. Elevator Qty. 1
rable in shaft. Reduce clearances to minimum safe, workable dimensions at each	 Elevator Model: Endura Twinpost above-ground 1-stage Elevator Type: Hydraulic Passenger Pated Capacity 3500 lbs
sills, headers, and frames before erection of rough walls and doors; erect fascia and toe ugh walls finished. Set sill units accurately aligned and slightly above finish floor at	 Rated Capacity: 3500 lbs. Rated Speed: 80 ft./min. Operation System: TAC32H
ating parts of system, where recommended by manufacturer.	5. Operation System: TAC32H 6. Travel: 10'-0" 7. Landings: 2 total
TY CONTROL	 7. Landings: 2 total 8. Openings: a. Front: 2
sting: Upon completion of the elevator installation and before permitting use of elevator, tance tests as required and recommended by Code and governing regulations or	a. Front: 2 b. Rear: 0 9. Clear Car Inside: 6'-8" wide x 5'-5" deep
orm other tests, if any, as required by governing regulations or agencies. Contractor, Architect, and governing authorities in advance of dates and times tests are	 9. Clear Car Inside: 5-8 wide x 5-5 deep 10. Inside clear height: 7'-4" standard 11. Door clear height: 7'-0" standard
d on the elevator.	12. Hoistway Entrance Size: 3'-6" wide x 7'-0" high 13. Door Type: One-speed LH Side opening
ry adjustments of operating devices and equipment to ensure elevator operates smoothly	14. Power Characteristics: 208 volts, 3 Phase, 60 Hz. 15. Seismic Requirements: Zone
· · · · · · · · · · · · · · · · · · ·	16. Hoistway Dimensions: 8'-4" wide x 6'-11" deep 17. Pit Depth: 4'-0"
centance, remove protection from finished surfaces and clean and polish surfaces in	18. Button & Fixture Style: Traditional Signal Fixtures 19. Special Operations: None

eptance, remove protection from finished surfaces and clean and polish surfaces in h manufacturer's recommendations for type of material and finish provided. Stainless eaned with soap and water and dried with a non-abrasive surface; it shall not be each-based cleansers.

f elevator work, remove tools, equipment, and surplus materials from site. Clean ns and hoistway. Remove trash and debris. rironmentally preferable and low VOC emitting cleaners for each application type. s that contain solvents, pine and/or citrus oils are not permitted.

END OF SECTION

20. Digital Services:

Remote Monitoring with Application Programming Interface (API) Integration

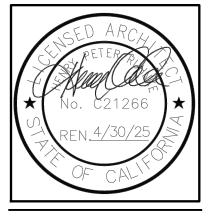
ADA Phone - Code Compliant Cellular Connectivity A17.1 2019 Code - Enhanced Communications

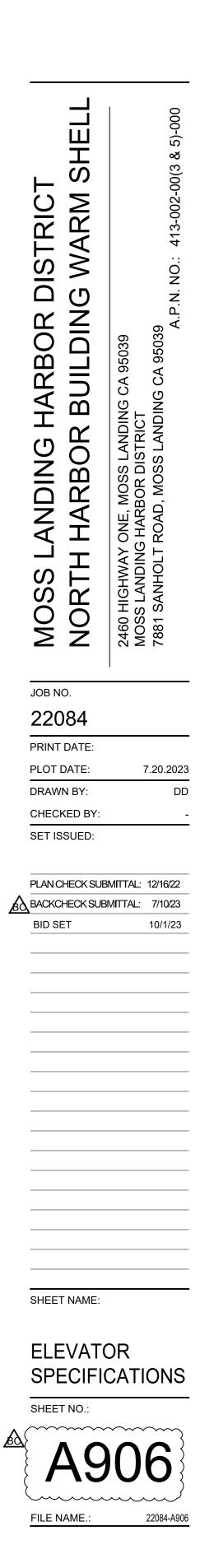
Smart Device Elevator Calling with occupant app API integration



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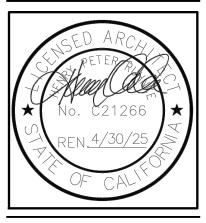
2715 Porter Street Soquel, California 95073 (831) 476-3681 URFER & Assoc. Inc. L GRI W= P= M. STRUCTURAL CALCULATIONS Sfor the 1 = MOSS LANDING HARBOR DISTRICT : ___ : ___: - -- -NORTH HARBOR BUILDING WARM SHELL 2400 HIGHWAY ONE MOSS LANDING, CALIFORNIA CHEI (E) ADD Z No. \$5056 EXPIRATION JUNE 30, 2 Ke Kolunne GRAD No TABLE OF CONTENTS . . . Grid 3 Revised Floor Framing Elevator Support 1 2 - 3

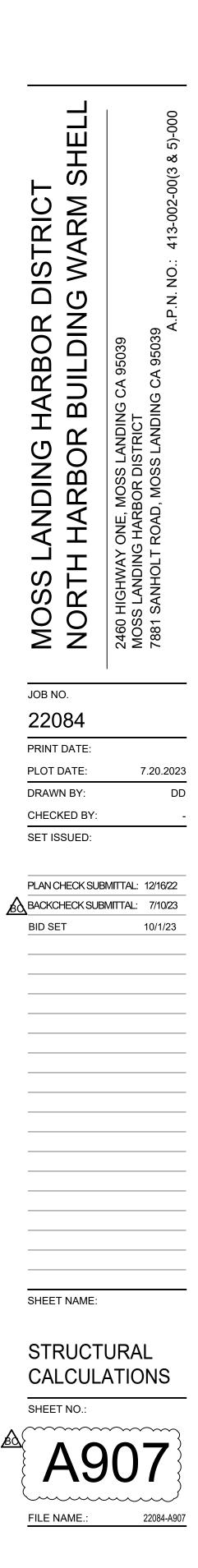
Donald C. URFER & Assoc. Inc. Civil and structural DB NO. 22184 SHEET NO. 1	Donald C. URFER & Assoc. Inc. Civil and Structural PROJECT MOSS LANDING NORTH BLDG JOBNO. 22184 SHEET NO. 2	Donald C. URFER & Assoc. Inc.	JOBNO. 22184 SHEET NO. 3
URFER & SSOC.Inc. Civil and Structural Engineers DOB NO. 22184 SHEET NO. 1 CALCULATED BY KW DATE 5/23	URFER & ASSOC.Inc. Civil and Structural Engineers DATE 5/23	Civil and Structural Engineers	JOB NO. 22184 CALCULATED BY KW DATE 5/23
LID 3 APDED FLOOR BEAM	ELEVATOR SUPPORTS	ELEVATOR SUPPORT CONT.	· · · · · · · · · · · · · · · · ·
(46+100) psf x 2' + BM WT = 0.32k/ft	RAIL FORCES:	CHECK (E) HIZXIG FLOOR BEAM	P
$14 \text{ (} \rho \text{ sf x 5' x 6' = 4.4 k}$ 5.4 3.5		$P_{z} = 1534^{*}$	† 7' †
$4'(4.1 + \frac{1}{2} \times 1.3) = 12.0 \text{ k-f} \rightarrow \text{Wequir} = 0.776 \frac{1}{4} 5.4 - 4.1$	NORMAL 507 397 PER ELEVATOR	$M_{y} = \frac{1534(7)}{7} = 2085 \text{ lb.} f_{f}$	
$\frac{12.0(12)}{0.6(50)} = 7.6 \text{ in}^3$ 0.3 3.5	SEISMIC 1534# 767 DRAWINGS	$f_{by} = \frac{2685(12)}{1.41} = 23.0 \text{ ksc} <$	
$\frac{0,776(5)(14)^{4}(12)^{3}}{384(29\times10^{3})(\frac{14\times12}{360})} = 49.6 \text{ in } 49.6 $	GUIDERAIL SUPPORT COLUMNS	· · · · · · · · · · · · · · · · · · ·	LE) FLOOR BEAM O.K.
USE W12×35 DR W16×26	NORMAL: Amox = 1/8"	CHECK (E) WBX13 ROOF BEAM	· · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	$\frac{\text{TregU}}{48(29 \times 10^6)(\frac{1}{8})^3} = 15.5 \text{ inf}$	$P = \frac{1534}{(14')} = 980^{*}$	· · · · · · · · · · · · · · · · · ·
CK (E) COLUMNS FLOOR COLL AT GRID 4.3 FROM ROOF) LOAD = 1460 psf (17.5')(15') + 15psf (10')(23')(10') = 39.3k	SEISMIC: $\Delta max = \frac{1}{4}$	$M_{2} = \frac{986(7')}{4} = 1720 \text{ lbift}$	
DED LOAD = 5.4 K	$M = \frac{153.4(.14)}{4} = 5.4 \text{ k·ft}$	$f_{by} = \frac{1726(12)}{1.37} = 15.1 \text{ ksc } \sqrt{6}$	ak. (E) ROOF BEAM O.K.
= .44.7 K	$S = \frac{5.4(12)}{0.6(44)} = 2.4 \text{ in}^3$	· · · · · · · · · · · · · · · · · · ·	
5 = 10'	$\frac{I}{48(29\times10^{4})(1/4)^{3}} = 20.9 \text{ in } 1 \qquad U_{5E} \text{ H}_{SS} \text{ (} \times \text{ (} \times \frac{1}{4})^{3}}$		· · · · · · · · · · · · · · · · · · ·
SS 5×5×5/16 CARACITY = 116 K > LOAD = 44.7k VO.K. (E) COL. O.K.		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	HOIST BEAM WT = 2370#	· · · · · · · · · · · · · · · · · · ·	······································
PEBEAM/PIERS	$P = 2(2370) \times 1.2 = 5690^{+}$	· · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
CHANGE TO OVERALL LOAD	$M = \frac{5690(10)}{4} = 14.2 \text{ k} \cdot f_{f}$	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
(E) GRADE BEAM AND PIERS O.K.	$S = 14.2(12) = 5.7 \text{ in}^3$ 0.6(50) USE W8×10 MIN.	· · · · · · · · · · · · · · · · · ·	· ···· · · · · · · · · · · · · · · · ·
		· · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
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GENERAL NOTES:

- 5
- 6. DRAWING SUBMITTAL.

- OUTLET DUCT CONNECTIONS TO EQUIPMENT.
- METAL MANUAL AND DRAWING NOTES.
- SPECIFICALLY APPROVED.
- 14. ALL DUCTWORK IS CONCEALED UNLESS OTHERWISE NOTED.
- LITER.
- 17. ALL DUCTS, REGISTERS, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.
- ASSOCIATION.
- LIMITS PER TITLE 24, PART 11, SECTION 5.504.

 FIBERGLASS < 80 GRAMS PER LITER CONTACT ADHESIVE < 80 GRAMS PER LITER MASTICS < 100 GRAMS PER LITER ZINC-RICH PRIMERS < 340 GRAMS PER LITER

CONTAMINATION WITH DUST AND DEBRIS.

LIST OF GOVERNING CODES: 2010 10 10

2019 BUILDING STANDARDS ADMINIST 2019 CALIFORNIA BUILDING CODE (CBC 2019 CALIFORNIA ELECTRICAL CODE, P. 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA PLUMBING CODE (CFC 2019 CALIFORNIA PLUMBING CODE (CEC), 2019 CALIFORNIA FIRE CODE (CFC), PAI 2019 CALIFORNIA FIRE CODE (CFC), PAI 2019 CALIFORNIA GREEN BUILDING ST, 2019 CALIFORNIA REFERENCED STAND		
2019 CALIFORNIA ELECTRICAL CODE, P. 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA PLUMBING CODE (CF 2019 CALIFORNIA ENERGY CODE (CEC), 2019 CALIFORNIA FIRE CODE (CFC), PA 2019 CALIFORNIA GREEN BUILDING ST	2019	BUILDING STANDARDS ADMINIST
2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA PLUMBING CODE (CF 2019 CALIFORNIA ENERGY CODE (CEC), 2019 CALIFORNIA FIRE CODE (CFC), PA 2019 CALIFORNIA GREEN BUILDING ST		
2019 CALIFORNIA PLUMBING CODE (CF 2019 CALIFORNIA ENERGY CODE (CEC), 2019 CALIFORNIA FIRE CODE (CFC), PA 2019 CALIFORNIA GREEN BUILDING ST	2019	CALIFORNIA ELECTRICAL CODE, PA
2019 CALIFORNIA ENERGY CODE (CEC), 2019 CALIFORNIA FIRE CODE (CFC), PAI 2019 CALIFORNIA GREEN BUILDING ST		
2019 CALIFORNIA FIRE CODE (CFC), PAI 2019 CALIFORNIA GREEN BUILDING ST		
2019 CALIFORNIA GREEN BUILDING ST		
2019 CALIFORNIA REFERENCED STAND		
	2019	CALIFORNIA REFERENCED STAND

THIS PROJECT IS A REMODEL. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED. MECHANICAL CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK. 3. CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AND THE ARCHITECT. 4. CONTRACTOR SHALL VERIFY THAT THE ELECTRICAL CONNECTIONS TO THE UNITS, INCLUDING CIRCUIT PROTECTION, CONFORM TO UNIT LABELS AND MANUFACTURER'S DIRECTIONS. WHERE WIRE SIZES SHOWN ON DRAWING EXCEED MANUFACTURER'S RECOMMENDATIONS, THE DRAWINGS SHALL GOVERN. ALL WIRING SHALL BE PER THE NATIONAL ELECTRICAL CODE. AS AMENDED AND ENFORCED BY JURISDICTIONAL AUTHORITY. ALL CONTROL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. PROVIDE AND INSTALL RIGID CONDUIT IN AREAS EXPOSED TO THE ELEMENTS. PROVIDE SHOP DRAWINGS OF ALL MECHANICAL LAYOUTS SHOWING EQUIPMENT, DUCTWORK, REGISTERS, PIPING, FILTER RACKS, CONTROL DAMPERS, LIGHTS, ACCESS PANELS AND ACCESS SPACES, ETC.. OBTAIN AND COORDINATE WITH APPROVED FIRE SPRINKLER PLUMBING, ELECTRICAL, CASE WORK AND OTHER TRADES SHOP DRAWINGS PRIOR TO MECHANICAL 7. COORDINATE EXACT GRILLE, DIFFUSER AND ACCESS DOOR LAYOUT WITH LIGHTS AND SPRINKLERS. 8. PROVIDE STEEL DUCTS ABOVE RATED CEILINGS AND MINIMUM 18" BEYOND RATED WALLS. 9. SUPPORT DUCTS TIGHT BELOW STRUCTURE WHEREVER POSSIBLE. 10. PROVIDE ACOUSTICAL LINING IN ALL DUCTS WITHIN 15 FEET OF UNITS. PROVIDE FLEXIBLE CONNECTION ON INLET AND 11. FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. 12. FOR ROOF PENETRATIONS WITHOUT CURBS, PROVIDE WEATHERPROOF FLASHING PER SMACNA ARCHITECTURAL SHEET 13. ALL TRANSITIONS IN DUCTWORK SHALL BE MADE AT 15 DEGREES MAXIMUM EACH FACE UNLESS OTHERWISE NOTED OR 15. LABEL ALL PIECES OF EQUIPMENT WITH MARK MATCHING SCHEDULE OR EQUIPMENT LIST WITH ENGRAVED PLASTIC LABELS WITH MINIMUM 1/4" HIGH LETTERS. LABELS EXPOSED TO WEATHER SHALL BE ENGRAVED BRASS. 16. PRIME AND PAINT ALL EXPOSED DUCTWORK PER ARCHITECTURAL SPECIFICATIONS. PAINT SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND CONTENT LIMITS: FLATS < 50 GRAMS PER LITER, NON-FLATS < 100 GRAMS PER

18. ALL DUCT MOUNTED SMOKE DETECTORS SHALL BE ADDRESSABLE TYPE AND COMPATIBLE WITH FIRE ALARM SYSTEM. DUCT SMOKE DETECTORS SHALL BE PROVIDED, INSTALLED AND WIRED BY FIRE ALARM CONTRACTOR. ENTIRE SYSTEM SHALL COMPLY WITH THE CALIFORNIA MECHANICAL CODE, THE CALIFORNIA FIRE CODE, AND THE NATIONAL FIRE PROTECTION

19. ADHESIVES, SEALANTS AND CAULKS USED INDOORS SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND

METAL TO METAL < 30 GRAMS PER LITER

FIRE RESISTANT COATINGS < 350 GRAMS PER LITER

26. HVAC EQUIPMENT SHALL NOT CONTAIN CFC'S OR HALONS PER TITLE 24, PART 11, SECTION 5.508.

27. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC OR SHEET METAL TO PROTECT THE AIR DISTRIBUTION SYSTEM FROM

> STRATIVE CODE, PART 1, TITLE 24, C.C.R. CBC), PART 2, TITLE 24, C.C.R. PART 3, TITLE 24, C.C.R.

DE (CMC), PART 4, TITLE 24, C.C.R. (CPC), PART 5, TITLE 24, C.C.R.

.), PART 6, TITLE 24, C.C.R. PART 9, TITLE 24, C.C.R. STANDARDS CODE, PART 11, TITLE 24, C.C.R.

NCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

		HVAC DU	CT LEGEN
SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION	SINGLE LINE I SYMBOL
		LONG SWEEP 90° ELBOW - RECTANGULAR, ROUND OR OVAL	<u>18</u> ,(<
2		SHORT SWEEP 90° ELBOW - RECTANGULAR, ROUND OR OVAL	<u>19</u> , <
3		45° ELBOW - RECTANGULAR, ROUND OR OVAL	<u>20</u> , <
4		30° ELBOW - RECTANGULAR, ROUND OR OVAL	
5		90° ELBOW - RECTANGULAR DUCT (NO DUCT TURN)	<u>, </u>
6		90° ELBOW - RECTANGULAR DUCT WITH TURNING VANES	23 ,)
7		45° LATERAL - ROUND TO ROUND OR OVAL TO OVAL	
8		90° TAKEOFF WITH 45° TAPER - RECTANGULAR TO RECTANGULAR (FOR BRANCH TAKEOFF LONGER THAN 50'-0", USE 15)	<u>25</u>
9 , ,		90° TAKEOFF WITH 45° ELONGATED TEE - ROUND TO ROUND	26
10 ,,,		90° CONICAL TEE - ROUND TO ROUND OR OVAL TO OVAL	27 , <
11		SPIN-IN WITH BALANCE DAMPER - RECTANGULAR TO ROUND OR RECTANGULAR TO OVAL	28 ,
12		90° TEE - RECTANGULAR TO ROUND OR RECTANGULAR TO OVAL	29 , , , , , , , , , , , , , , , , , , ,
13		EXTRACTOR AND BRANCH DUCT - RECTANGULAR TO RECTANGULAR (FOR BRANCH TAKEOFFS LONGER THAN 10'-0", USE 8)	<u>30</u> \
		Y BRANCH - ROUND OR OVAL DUCT	31 \
<u>15</u> ,		90° RADIUS SPLIT - RECTANGULAR DUCT, PROVIDE SPLITTER DAMPER, X/Y PROPORTIONAL SPLIT	32 F/D F/SD ,
16 ,		90° RECTANGULAR SPLIT - RECTANGULAR DUCT, PROVIDE SPLITTER DAMPER, X/Y PROPORTIONAL SPLIT	<u>33</u>
17 ,		TRANSITION - RECTANGULAR TO ROUND OR RECTANGULAR TO OVAL	

DOUBLE LINE SYMBOL	DESCRIPTION
	SECTION AT SUPPLY AIR OR MAKE-UP AIR DUCT UP
	SECTION AT RETURN AIR OR COMBUSTION AIR DUCT UP
	SECTION AT EXHAUST AIR OR RELIEF AIR DUCT UP
	SUPPLY AIR DUCT DOWN RETURN AIR DUCT DOWN EXHAUST AIR DUCT DOWN
	ROUND DUCT UP - SUPPLY, RETURN OR EXHAUST
	ROUND DUCT DOWN - SUPPLY, RETURN OR EXHAUST
	CEILING DIFFUSER - ONE, TWO, THREE AND FOUR WAY THROW
	CEILING - RETURN AND EXHAUST REGISTERS
[]^	SIDEWALL - SUPPLY DIFFUSER, RETURN AND EXHAUST REGISTERS
	RETURN AND EXHAUST REGISTER CONNECTION - ELBOW DOWN OR ROUND TAP OUT OF RECTANGULAR DUCT, TAP SAME SIZE AS NECK
	SUPPLY DIFFUSER AND RETURN REGISTER CONNECTION - TAP DOWN SAME SIZE AS NECK
	DUCT RISE IN THE DIRECTION OF AIR FLOW DUCT DROP IN THE DIRECTION OF
	AIR FLOW MANUAL BALANCE DAMPER WITH DUCT ACCESS DOOR
	MOTORIZED BALANCE DAMPER WITH DUCT ACCESS DOOR
F/D F/SD	FIRE DAMPER WITH DUCT ACCESS DOOR FIRE/SMOKE DAMPER WITH DUCT ACCESS DOOR
	ACOUSTICALLY LINED DUCT
12x12 CD (300)	– REGISTER NECK SIZE AND MARK – DESIGN CFM – PANEL AT T-BAR CEILING

		HVAC LEG	END	
SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
		AIR DUCT	FT	FEET
+++++++++++++++++++++++++++++++++++++++		FLEXIBLE AIR DUCT	FT HD	FEET HEAD
		UNDER GROUND AIR DUCT	FTR	FLUE THRU ROOF
	BD	BALANCING DAMPER AIR FROM DEVICE	GPM GALV	GALLONS PER MINUTE GALVANIZED
<u>√</u>		AIR TO DEVICE	GALV	GAUGE
		SECTION THROUGH SUPPLY	GC	GENERAL CONTRACTOR
		SECTION THROUGH RETURN	НР	HORSEPOWER
		SECTION THROUGH EXHAUST	HR	HOUR
0	TSTAT	THERMOSTAT	HTG	HEATING
\diamond		TEMPERATURE SENSOR	HZ	HERTZ
×	104/6	SPIN-IN EXTRACTOR/DAMPER	ID	
HWS	HWS HWR	HEATING WATER SUPPLY HEATING WATER RETURN	IN	INCH INTERIOR
CWS	CWS	COOLING WATER SUPPLY	KW	KILOWATTS
CWR	CWR	COOLING WATER RETURN	LAT	LEAVING AIR TEMPERATURE
CHWS-	CHWS	CHILLED WATER SUPPLY	LBS	POUNDS
CHWR——	CHWR	CHILLED WATER RETURN	LG	LONG
F/D	F/D	VERTICAL FIRE DAMPER	LRA	LOCKED ROTOR AMPS
F/D	F/D	HORIZONTAL FIRE DAMPER	LVG	LEAVING
F/SD	F/SD		LWT	
F/SD	F/SD	HORIZONTAL FIRE/SMOKE DAMPER BYPASS TIMER	LWB MAX	LEAVING WET BULB
<u>к</u> ві	SW	SWITCH	MBH	1000 BTU PER HOUR
ہ و		CENTERLINE	MC	MECHANICAL CONTRACTOR
\bullet	P.O.C.	POINT OF CONNECTION	MCA	MINIMUM CIRCUIT AMPS
_	&	AND	MCC	MOTOR CONTROL CENTER
	@	AT	МСР	MECHANICAL CONTROL PANEL
	°F	DEGREES FAHRENHEIT	MECH	MECHANICAL
	AC	AIR CONDITIONER	MFR	MANUFACTURER
	AC/H		MIN	
	AFF AFUE	ABOVE FINISH FLOOR ANNUAL FUEL UTILIZATION EFFICIENCY	(N)	MAXIMUM OVERCURRENT PROTECTION NEW
	AGGR	AGGREGATE	NC	NORMALLY CLOSED
	AL	ACOUSTICALLY LINED	NIC	NOT IN CONTRACT
	AMB	AMBIENT	NO	NORMALLY OPEN
	AMP	AMPERE	NTS	NOT TO SCALE
	APPROX	APPROXIMATE	OA	OUTSIDE AIR
	ARCH	ARCHITECT/ARCHITECTURAL	OBD	OPPOSED BLADE DAMPER
	BDD	BACKDRAFT DAMPER	00	ON CENTER
	BHP BJ	BRAKE HORSEPOWER BETWEEN JOISTS	OD OV	OUTSIDE DIAMETER OUTLET VELOCITY
	BLDG	BUILDING	PC	PLUMBING CONTRACTOR
	BTUH	BRITISH THERMAL UNITS PER HOUR	PD	PRESSURE DROP
	CA	COMBUSTION AIR	PH	PHASE
	CFM	CUBIC FEET PER MINUTE	P/N	PART NUMBER
	CIRC	CIRCULATING	PRESS	PRESSURE
	CLG	CEILING	PSI	POUNDS PER SQUARE INCH
	CONC	CONCRETE	P/T	PRESSURE/TEMPERATURE
	CONN CONT	CONNECTION CONTINUED, CONTINUATION	QTY RA	QUANTITY RETURN AIR
	COOL	COOLING	REQD	REQUIRED
	COORD	COORDINATE	REQD	REQUIREMENTS
	СОР	COEFFICIENT OF PERFORMANCE	RLA	RATED/RUNNING LOAD AMPS
	CONST	CONSTRUCTION	RM	ROOM
	CV	COEFFICIENT OF FLOW	RPM	REVOLUTIONS PER MINUTE
	DB	DRY BULB	SA	SUPPLY AIR
	DG	DOOR GRILLE	SC	SENSIBLE COOLING
	D/L	DOOR LOUVER	SEER	SEASONAL ENERGY EFFICIENCY RATIO
	DN DWGS	DOWN DRAWINGS	SM SOV	SHEETMETAL SHUT-OFF VALVE
	(E)	EXISTING	SOV	STATIC PRESSURE
	EA	EXHAUST AIR	SPEC	SPECIFICATION
	EAT	ENTERING AIR TEMPERATURE	SQ	SQUARE
	EC	ELECTRICAL CONTRACTOR	STD	STANDARD
	EER	ENERGY EFFICIENCY RATIO	STRUCT	STRUCTURAL
	EF	EXHAUST FAN	STSL	STAINLESS STEEL
	ELEC	ELECTRICAL	ТС	TIME CLOCK/TOTAL COOLING
	ELEV	ELEVATION	TDH	TOTAL DYNAMIC HEAD
	EMBT	EMBEDMENT	TEMP	
	ENT EQUIP		TSP	TOTAL STATIC PRESSURE
	EQUIP	EQUIPMENT EXTERNAL STATIC PRESSURE	TV TYP	TURNING VANES TYPICAL
	ESP	ENTERING WET BULB	UCD	UNDERCUT DOOR
	EWB	ENTERING WET BOLD	UL	UNDERWRITER'S LABORATORIES
	EXP	EXPANSION	UON	UNLESS OTHERWISE NOTED
	EXT	EXTERIOR	V	VOLT
	FFE	FINISHED FLOOR ELEVATION	W/	WITH
	FLA	FULL LOAD AMPS	WB	WET BULB
	FLEX	FLEXIBLE	WC	WATER COLUMN
	FLR	FLOOR	WM	WASHING MACHINE
	FPM	FEET PER MINUTE	WT	WEIGHT





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0 HIGHWAY ONE, MOSS LANDING CA 95039	MOSS LANDING HARBOR DISTRICT
	2460 HIGHWAY ONE, MOSS LANDING CA 95039

JOB NO. 22084 _____ PRINT DATE: PLOT DATE: 7.19.2023 DRAWN BY: CAD CHECKED BY: RSS SET ISSUED:

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23

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-_____ _____

SHEET NAME: LEGENDS AND NOTES -MECHANICAL SHEET NO .:

FILE NAME.: HVA-M001

M001

	GAS FIRED EQUIPMENT													
MARK	HEAT IN	MBH OUT	TOTAL	CFM ESP	OA	FAN RPM	HP	MO V/PH	TOR MCA	MOCP	WT LBS	AFUE	MAKE & MODEL	REMARKS
<u>F-1</u>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 59SC2D080E2120	1 2
<u>F-2</u>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 59SC2D080E2120	
<u>F-3</u>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 59SC2D080E2120	
<u>F-4</u>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 59SC2D080E2120	
<u>F-5</u>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 59SC2D080E2120	
<u>F-6</u>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 59SC2D080E2120	

1 INSTALLED PER 9/M601

2 PROVIDE DUCT MOUNTED SMOKE DETECTOR WIRED TO SHUT DOWN SUPPLY FAN UPON SENSING SMOKE PER CMC 608.

					SF	PLIT	- S)	/ST	EN	<u> </u>	IR (ND	ITIONERS	
	COOL	MRH					UNIT			WT	EER		SIZE		
MARK	TC	SC	CFM	ESP	HP	V/PH	FLA	MCA	МОСР	LBS	SEER	GAS	LIQ	MAKE & MODEL	REMARKS
<u>CU-1</u>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AHA448A005	1 2
<u>EV-1</u>	45.0	35.0	1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<u>CU-2</u>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AHA448A005	2
<u>EV-2</u>	43.0	55.0	1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<u>CU-3</u>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AHA448A005	1 2
<u>EV-3</u>	45.0	55.0	1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<u>CU-4</u>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AHA448A005	2
<u>EV-4</u>	45.0	55.0	1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<u>CU-5</u>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AHA448A005	1 2
<u>EV-5</u>	45.0	55.0	1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<u>CU-6</u>	45.0	25.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AHA448A005	2
<u>EV-6</u>	45.6	35.6	1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	

1 FURNISH WITH STACKING KIT 53DS-900---076, SEE DETAIL 10/M601

2 PROVIDE INSITU ES2 COATING BY GORILLA COATINGS ON COIL, FAN, AND CASING.

	FANS												
MARK	LOCATION	CFM	ESP	SONES	M HP	OTOR V/PH	FAN RPM	WT LBS	MAKE & MODEL	REMARKS			
<u>EF-1</u>	ROOF	1300	0.75"	11.8	1/3	115/1	1585	62	COOK ACE-D VF 120C28D (VF)	1 2			
<u>EF-2</u>	ELEC. ROOM	300	0.125"	5.9	1/4	115/1	1382	61	COOK 10XW24D17EC	1 3 4			
							\sim						

1 PROVIDE WITH FACTORY EPOXY POWDER COATING

3 PROVIDE MANUFACTURER'S WALL COLLAR, AND WEATHER HOOD. SEE 12/M601 FOR FAN MOUNTING.

2 PROVIDE MANUFACTURER'S SLOPED ROOF CURB TO MATCH (E) ROOF SLOPE. SEE 11/M601 FOR MOUNTING.

4 PROVIDE WITH VFABK AIR BALANCE KIT, GALVANIZED MOTORIZED SHUTTER, AND WEATHER HOOD.

	SPLIT SYSTEM HEAT PUMPS												
MARK	COOL MBH	HEAT MBH	CFM	V/PH	MCA	WT LBS	EER SEER	LINE GAS	SIZE LIQ	MAKE & MODEL	REMARKS		
<u>FC-1</u>	12.0	_	360.0	115/1	-	19.0	13.0	1/2"	1/4"	CARRIER 40MAQB12B1			
<u>HP-1</u>	- 12.0 -		-	115/1	15.0	83.0	22.0	1/2	1/4	CARRIER 38MAQB12R1			

	AIR DISTRIBUTION												
MARK	TYPE	MAKE & MODEL	REMARKS										
<u>EG-1</u>	EXHAUST GRILLE	TITUS 50F	2										
<u>EG-2</u>	EXHAUST GRILLE	TITUS 50F											
<u>RG-1</u>	RETURN GRILLE	TITUS 50F	2										
<u>SR-1</u>	SUPPLY REGISTER	TITUS S300FS	3										
<u>SR-2</u>	SUPPLY REGISTER	TITUS 300FS	3										

1 PROVIDE WITH OPPOSED BLADE DAMPER

2 FURNISH IN MANUFACTURER'S STANDARD OFF WHITE COLOR

3 PAINT GRILLE IN COLOR SELECTED BY ARCHITECT TO MATCH EXPOSED DUCTWORK

	LOUVERS												
MARK	SIZE	ТҮРЕ	MATERIAL	MAKE & MODEL	REMARKS								
(E) <u>L-1</u>	36" x 26"	INTAKE	GALVANIZED STEEL	WONDERMETALS 430L									
(E) <u>L-2</u>	36" x 26"	INTAKE	GALVANIZED STEEL	WONDERMETALS 430L									
<u>L-3</u>	36" x 26"	INTAKE	GALVANIZED STEEL	WONDERMETALS 430L									

1 BAKED ENAMEL FINISH IN COLOR TO MATCH (E) LOUVERS. VERIFY COLOR WITH ARCHITECT.





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MOSS LANDING HARBOR DISTRICT NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000
јов NO. 22084	

PRINT DATE:	
PLOT DATE:	7.19.2023
DRAWN BY:	CAD
CHECKED BY:	RSS
SET ISSUED:	

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23

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_____ SHEET NAME: SCHEDULES -MECHANICAL

SHEET NO .: M002

Project Name:		North Harbor	Shell						NRCC-PRF-01-E		Page 7 of 14			
Project Address:		7881 Sanholt I	Road Moss	Landing 9	5039			1	Calculation Date	/Time:	16:40, Tue, Dec 13	, 2022		
Input File Name:		221213 - Nort	h Harbor.cit	od19x										
H1. DRY SYSTEM		DAENT /furn	soc air ba	ndling	mite heat nu	mme V/DE		izers etc	• ¥					
1		2	aces, all lia	3		11ps, VKF,		6	/	8	9	10		11
	_	174				-	Heating	11040	0.		Cooling	00000	-	0.000
Equipment Nam	ie	Equipmen	nt Type	Qty	Total Heating Output (kBtu/h)		Heat	Efficiency Unit	y Efficiency	Tota Coolin Outp (kBtu/	l ng Lt Efficiency Unit	Efficiency	Economizer 1 y present	
F-1 + EV-1		SZAC (Split	3Phase)	1	75	0	(AFUE	92.1	44	SEER/EER	14.00/12.00	NoE	conomiz
F-2 + EV-2		SZAC (Split	3Phase)	1	75	0		AFUE	92.1	44	SEER/EER	14.00/12.00	NoEconomiz	
F-3 + EV-3		SZAC (Split	3Phase)	1	75	0	i.	AFUE	92.1	44	SEER/EER	14.00/12.00	NoEconomiz	
HP-1		SZHP (Split	1Phase)	1	12	4	(HSPF	10.200	12	SEER/EER	14.000/12.20	0 NoEconomiz	
F-4 + EV-4		SZAC (Split	3Phase)	1	75	0	1	AFUE	92.1	44	SEER/EER	14.00/12.00	NoE	conomiz
F-5 + EV-5		SZAC (Split	Split3Phase)		75	0		AFUE	92.1	44	SEER/EER	14.00/12.00	NoE	conomiz
F-5 + EV-5 (cont.	2)	SZAC (Split	3Phase)	1	75	0	1	AFUE	92.1	44	SEER/EER	14.00/12.00	NoE	conomiz
Status: N - New, A - Alte	red, E –	Existing	1		11. 	11 1 177	÷1				<u>N</u>			
H2. FAN SYSTEMS	SUM	MARY									N			
1	2	3	4	1	5	6	7		8	9	10	11	12	13
		Design OA				upply Fan						Return Fan		
Name or Item Tag	Qty	CFM	CFM	Mode	ling Method	Power	Powe Unit	1000	Control	CFM	Modeling Method	Power	Power Units	Cont
F-1 + EV-1	1	255	1600	Brakel	HorsePower	0.500	bhp) Co	onstantVolume	NA	NA	NA	NA	N/
F-2 + EV-2	1	211	1600	Brake	HorsePower	0.500	bhp) Co	onstantVolume	NA	NA	NA	NA	NA
F-3 + EV-3	1	72	1600	Brakel	HorsePower	0.500	bhp	Co	onstantVolume	NA	NA	NA	NA	NA
HP-1	1	0	360	Brake	HorsePower	0.750	bhp) C(onstantVolume	NA	NA	NA	NA	NA
F-4 + EV-4	1	172	1600	Brake	HorsePower	0.500	bhp) Co	onstantVolume	NA	NA	NA	NA	NA
F-5 + EV-5	1	123	1600	Brakel	HorsePower	0.500	bhp	C C C	onstantVolume	NA	NA	NA	NA	N/
F-5 + EV-5 (cont2)	1	42	1600	Destad	HorsePower	0.500	bhp		onstantVolume	NA	NA	NA	NA	NA

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Sanholt Road Moss Landing 95039 13 - North Harbor.cibd19x			Calculation Date/T	ime: 16:40 Tue (an North Carlos II Manual Andrea
13 - North Harbor.cibd19x			[1] A state of the state of	ine. 110.40, 100, 1	Dec 13, 2022
RY			Ť.		
2	3	4	5	6	7
Zone Name	Qty	CFM	Motor BHP	Power Per Flow (W/cfm)	Total Static Pressu
8-Zone 4	1	300	0.250	0.727	3.44
g				· · · ·	
(boilers.chillers.cooling towers.etc.)		1			
(sector)					
	Z Zone Name 8-Zone 4	2 3 Zone Name Qty 8-Zone 4 1	2 3 4 Zone Name Qty CFM 8-Zone 4 1 300	2 3 4 5 Zone Name Qty CFM Motor BHP 8-Zone 4 1 300 0.250	23456Zone NameQtyCFMMotor BHPPower Per Flow (W/cfm)8-Zone 413000.2500.727

H5. PUMPS

This Section Does Not Apply

STEM SPECIAL FEATURES										
1	2	2 3		4						
System Name	Equipment Type	Window Interlocks per §140.4(n)	1	Other Special Features and						
DHW1 - SHW	Service Hot Water, Primary Only	NA		Fixed Temperature Co						
This table includes controls related to th	e performance path only. For projects using the prescriptive	path, mandatory and prescriptive	controls requirements	are documented o	n the NRCC-MCH-E.	_				
NONRESIDENTIAL VENTILAT	ION									
1	2	3	4	5	6					
		Mechanical Ventilation								
Zone Name	Ventilation Function	# of	Supply OA	Exhaust	Conditioned Area					
	Ventilation Function	people	CFM	CFM	(sf)					
1-Zone 1	Office - Office space	8.52	255	0	1703					
3-Zone 2	Office - Office space	7.02	211	0	1405					
5-Zone 3 - OSN1	Office - Office space	2.40	72	0	479					
7-Zone 5	General - Unoccupied	0.11	0	0	70					
		and the second se	The second s	1942.00	The second second	-				
9-Zone 6 - Grid F.3 to J	Office - Office space	5.73	172	0	1145					

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Project Name:	North Harbor Shel	1	NRC	CC-PRF-01-E	Page 9 of	Page 9 of 14			
Project Address:	7881 Sanholt Road	Moss Landing 95039	Calo	culation Date/Tim	e: 16:40, Tu	16:40, Tue, Dec 13, 2022			
Input File Name:	221213 - North Ha	221213 - North Harbor.cibd19x							
H7. NONRESIDENT	TAL VENTILATION					T			
8	1	2	3	4	5	6			
			Mechanical Vent	ilation					
Zone	Name	Ventilation Function	# of	Supply OA	Exhaust	Conditioned Area			
		Ventilation Function	people	CFM	CFM	(sf)			
14-7one	7 - 12-10	Office - Office space	1.39	42	0	278			

H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION

This Section Does Not Apply

1	2	3	4	5	6	7	8	9	10	11
System ID	Zone Name	System Type	0	Rated Capacity (kBtuh)		A				
2943. 005.00 2			Qty	Heating	Cooling	Design	Min.	Min. Ratio	Power	Pow Uni
1-Zone 1-Trm	1-Zone 1	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bh
3-Zone 2-Trm	3-Zone 2	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bh
5-Zone 3 - OSN1-Trm	5-Zone 3 - OSN1	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bh
7-Zone 5-Trm	7-Zone 5	Uncontrolled	1	NA	NA	360	NA	0.00	0.750	bh
9-Zone 6 - Grid F.3 to J-Trm	9-Zone 6 - Grid F.3 to J	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bh
12-Zone 7 - 9-8-Trm	12-Zone 7 - 9-8	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bh
14-Zone 7 - 12-10-Trm	14-Zone 7 - 12-10	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bh

This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY

This Section Does Not Apply

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	11						
		izer Type (if esent)	Status ¹				
2	NoEc	onomizer	N				
)	NoEc	onomizer	N				
)	NoEc	onomizer	N				
00	NoEc	onomizer	N				
)	NoEc	onomizer	N				
)	NoEc	N					
)	NoEc	onomizer	N				
	12	13	14				
			s				
	ower Jnits	Control	Status ¹				
	NA	NA	N				
	NA	NA	N				
	NA	NA	N				
	223	NA	N				
	NA		100				
	NA NA	NA	Ν				
	000	NA NA	N N				

Project Name:	North Harbor Shell		NRCC-PRF-01-E	Page 4 of 14		
Project Address:	7881 Sanholt Road Moss L	anding 95039	Calculation Date/Time:	16:40, Tue, Dec 13, 2022		
Input File Name:	221213 - North Harbor.cib	d19x				
G1. ENVELOPE GEN	ERAL INFORMATION (condi	tioned spaces only)				
1		2	3		4	
Opaque Surfa	ces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Ar	rea (ft²)	Window to Wall Ratio (%)	
	North-Facing ¹	1,849 ft ²		408 ft ²	22.1%	
	East-Facing ²	1,055 ft²		0 ft ²	00.0%	
	South-Facing ³	1,991 ft ²		813 ft ²	40.8%	
	West-Facing ⁴	940 ft ²		231 ft ²	24.6%	
	Total	5,835 ft²		1,452 ft ²	24.9%	
Roof		4,536 ft ²		0 ft ²	00.0%	
Notes:		i de la companya de l				

¹ North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW). ² East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE). ³ South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE). ⁴ West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

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G3. OPAQUE SURFACE ASSEMBLY SUMMARY

North Harbor Shell

7881 Sanholt Road Moss Landing 95039

Project Name:

Project Address:

1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status
R-19 Wall8	ExteriorWall	6089	Wood	19	NA	U-Factor	0.072	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in.	N
Slab On Grade22	UndergroundFloor	5397	NA	0	NA	F-Factor	0.73	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	N

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9

Description of Assembly Layers

Asphalt shingles - 1/4 in.

Vapor permeable felt - 1/8 in.

Plywood - 1/2 in.

or more

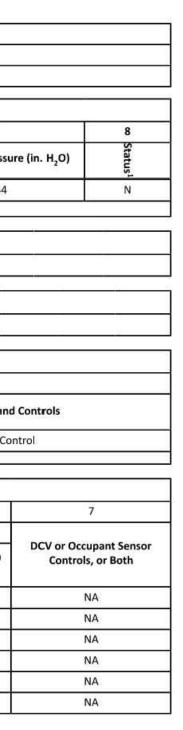
Air - Cavity - Wall Roof Ceiling - 4 in.

Wood framed roof, 16in. OC, 5.5in.,

R-13 Gypsum Board - 1/2 in.

Report Generated at: 2022-12-13 16:41:55

Report Generated at: 2022-12-13 16:41:55



iput File Name:	221213 - North Har				1					
3. OPAQUE SURFA	CE ASSEMBLY SUMN	1ARY								-
1		2	3	4	5	6	7	8	9	10
Surface	Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status ¹
R-30 Roo	f Attic24	Roof	1430	Wood	30	NA	U-Factor	0.038	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Wood framed roof, 24in. OC, 3.5in., R-30 Gypsum Board - 1/2 in.	N
R-21 V	Vall26	InteriorWall	42	Wood	21	NA	U-Factor	0.066	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 1/2 in.	N
R-30 Roof I	No Attic65	Roof	3750	Wood	30	NA	U-Factor	0.034	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Wood framed roof, 16in. OC, 11.25in., R-30 Gypsum Board - 1/2 in.	N
R-21 W	'all261	ExteriorWall	488	Wood	21	NA	U-Factor	0.069	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 1/2 in.	N
R-13 Floor No (Crawlspace118	InteriorFloor	4502	Wood	13	NA	U-Factor	0.061	Wood framed floor, 16in. OC, 5.5in., R-13 Plywood - 1/2 in. Carpet - 3/4 in.	N

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Cavity Continuous R-Value R-Value

13

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Value

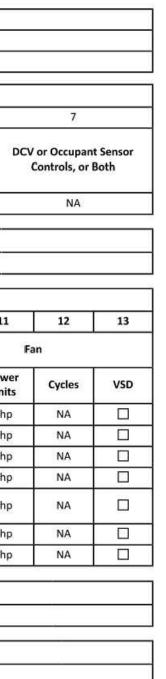
Calculation Date/Time: 16:40, Tue, Dec 13, 2022

Units

NA U-Factor 0.067

5 6 7 8

at:	2022-12-13	16:41:55	



Project Name:	North Harbor Sh	ell	
Project Address:	7881 Sanholt Ro	ad Moss Landing 95039	
Input File Name:	221213 - North	Harbor.cibd19x	
G3. OPAQUE SURF	ACE ASSEMBLY SUM	MMARY	
	1	2	3
Surfa	ce Name	Surface Type	Area (ft
R-13 Root	No Attic178	Roof	141

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

¹ Status: N - New, A – Altered, E – Existing G4. OPAQUE DOOR SUMMARY

1	2	3
Assembly Name	Overall U-factor	Status ¹
Insulated Door20	0.200	N
Roll Up Door82	1.450	N

4

Framing Type

Wood

G5. FENESTRATION ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
enestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method ¹	Assembly Method	Area ft ²	Overall U-factor	Overall SHGC	Overall VT	Status
Milgard Dbl/Mtl Clr Low-E	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	1515	0.77	0.40	0.50	N

Report Version: NRCC-PRF-01-E-12092021-6844

² Status: N - New, A - Altered, E - Existing

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Generated at: 2022-12-13 16:41:55

Color-0-0	ect Name: Nort	h Harbor She	ell.			NRCC-PRF-01-E	Page 1 of	14	
Proje	ect Address: 7881	Sanholt Roa	d Moss Land	ng 95039	Ì	Calculation Date/Tim	ne: 16:40, Tue	e, Dec 13, 2022	
Inpu	t File Name: 2212	13 - North H	arbor.cibd19						
A. G	ENERAL INFORMATION								
1	Project Location (city)		Mo	s Landing	8	Standards Version		Compliance2019	,
2	CA Zip Code		950	9	9	Compliance Software	e (version)	EnergyPro 8.3	
3	Climate Zone		3		10	Weather File		SALINAS_724917_CZ	2010.epw
4	Total Conditioned Floor	Area in Scope	9,12	5 ft ²	11	Building Orientation	(deg)	(N) 0 deg	
5	Total Unconditioned Floo	or Area	786	ít²	12	Permitted Scope of V	Work	NewEnvelopeAndLigh	ntingAndPartialMechanical
6	Total # of Stories (Habita	ble Above G	rade) 2		13	Building Type(s)		Nonresidential	
7	Total # of dwelling units)	0		14	Gas Type		NaturalGas	
Table	ROJECT SUMMARY Instructions: Table B show it application.	vs which buil	ding compon	nts are included in the performance calcu	ation.	. If indicated as not in	cluded, the proj	ect must show compliand	ce prescriptively if within
		Buildin	g Componen	s Complying via Performance			Build	ing Components Comply	ing Prescriptively
		Buildin	g Componen Performanc	s Complying via Performance		Performance 71	54683 00 DA 2	ing Components Comply	ing Prescriptively ILY eligible for prescriptive
Enve	lope (see Table G)		5 1. 1	Covered Process: Commercial		Not Included	he following bui ompliance and s	lding components are ON hould be documented on permit application (i.e. co	
			Performanc	Covered Process: Commercial Kitchens	200	Not Included th	he following bui ompliance and s he scope of the p n the NRCC-PRF-	lding components are ON hould be documented on permit application (i.e. co	ILY eligible for prescriptive the NRCC form listed if within
	lope (see Table G) nanical (see Table H)		Performanc	Covered Process: Commercial Kitchens Covered Process: Computer Rooms		Not Included th or Performance In	he following bui ompliance and s he scope of the p n the NRCC-PRF-	lding components are ON hould be documented on ermit application (i.e. co E). Inconditioned)§140.6	ILY eligible for prescriptive the NRCC form listed if within mpliance will not be shown
Mecl	nanical (see Table H)		Performance Not Include Performance	Covered Process: Commercial Kitchens Covered Process: Computer Rooms		Not Included cc th or Performance In Not Included O	he following bui ompliance and s he scope of the p n the NRCC-PRF- idoor Lighting (L	lding components are ON hould be documented on termit application (i.e. co E). Inconditioned)§140.6 §140.7	ILY eligible for prescriptive the NRCC form listed if within mpliance will not be shown NRCC-LTI-E
Mecl			Performance Not Include Performance Not Include	Covered Process: Commercial Kitchens Covered Process: Computer Rooms		Not Included th or Performance In Not Included O Performance Si	he following bui ompliance and s he scope of the p in the NRCC-PRF- idoor Lighting (U utdoor Lighting	lding components are ON hould be documented on termit application (i.e. co E). Inconditioned)§140.6 §140.7	ILY eligible for prescriptive the NRCC form listed if within mpliance will not be shown NRCC-LTI-E NRCC-LTO-E NRCC -LTS-E
Mecl Dom	nanical (see Table H) estic Hot Water (see Table ing (Indoor Conditioned, s		Performance Not Include Performance Not Include Performance	Covered Process: Commercial Kitchens Covered Process: Computer Rooms Covered Process: Computer Rooms Covered Process: Laboratory Exhaust		Not Included cc th or Performance In Not Included O Performance Si Not Included El es lis	he following bui ompliance and s the scope of the p in the NRCC-PRF- idoor Lighting (L utdoor Lighting gn Lighting §140 lectrical power s scalator requirer	lding components are ON hould be documented on termit application (i.e. co E). Inconditioned)§140.6 §140.7 0.8 Mandatory Meas ystems, commissioning, 3	ILY eligible for prescriptive the NRCC form listed if within mpliance will not be shown NRCC-LTI-E NRCC-LTO-E NRCC -LTS-E sures solar ready, elevator and d should on the NRCC form
Mecl Dom Light	nanical (see Table H) estic Hot Water (see Table ing (Indoor Conditioned, s		Performance Not Include Performance Not Include Not Include	Covered Process: Commercial Kitchens Covered Process: Computer Rooms Covered Process: Laboratory Exhaust		Not Included Cc Not Included In Performance In Not Included O Performance Si Not Included Eless Interformance Si	he following bui ompliance and s on scope of the p in the NRCC-PRF- idoor Lighting (L utdoor Lighting §140 gn Lighting §140 gn Lighting §140 cectrical power s scalator requirer sted if applicable RCC-PRF-E.)	lding components are ON hould be documented on termit application (i.e. co E). Inconditioned)§140.6 §140.7).8 Mandatory Meas ystems, commissioning, s ments are mandatory and	ILY eligible for prescriptive the NRCC form listed if within mpliance will not be shown NRCC-LTI-E NRCC-LTO-E NRCC -LTS-E sures solar ready, elevator and d should on the NRCC form
Mecl Dom Light Table	nanical (see Table H) estic Hot Water (see Table ing (Indoor Conditioned, s		Performance Not Include Performance Not Include Performance Performance	Covered Process: Commercial Kitchens Covered Process: Computer Rooms Covered Process: Computer Rooms Covered Process: Laboratory Exhaust		Not Included Cc Not Included Included Performance Included Not Included O Performance Si Not Included Elession Not Included Elession Image: Not Included Elession	he following bui ompliance and s on scope of the p in the NRCC-PRF- idoor Lighting (L utdoor Lighting §140 gn Lighting §140 gn Lighting §140 cectrical power s scalator requirer sted if applicable RCC-PRF-E.)	lding components are ON hould be documented on ermit application (i.e. co E). Inconditioned)§140.6 §140.7 0.8 Mandatory Meas ystems, commissioning, s ments are mandatory and e (i.e. compliance will not Distribution S110.11	ILY eligible for prescriptive the NRCC form listed if within mpliance will not be shown NRCC-LTI-E NRCC-LTO-E NRCC -LTS-E sures solar ready, elevator and d should on the NRCC form t be shown on the

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-12-13 16:41:55

Project Name:	North Harbor Shell	NRC	C-PRF-01-E	Page 2 of 14	
Project Address:	7881 Sanholt Road Moss Landing 95039	Calc	ulation Date/Time:	16:40, Tue, Dec 13, 2022	
Input File Name:	221213 - North Harbor.cibd19x				
C1. COMPLIANCE R	ESULTS FOR PERFORMANCE COMPONENTS (A	nnual TDV Energy Use, kBtu/ft ²	-yr)		
		COMPLIES			
	Energy Component	Standard Design (TDV)	Pro	oposed Design (TDV)	Compliance Margin (TDV) ¹
Space Heating			8.66	15.70	-7.04
Space Cooling			37.41	33.74	3.67
Indoor Fans			115.72	96.35	19.37
Heat Rejection					77
Pumps & Misc.					Ħ
Domestic Hot Water			7.67	5.38	2.29
Indoor Lighting			37.70	37.70	2
ENERGY STAN	IDARDS COMPLIANCE TOTAL	20	7.16	188.87	18.29 (8.8%)
¹ Notes: The numbe	er in parenthesis following the Compliance Marg	gin in column 4. represents the Pe	ercent Better thar	Standard.	
C2. RESULTS FOR 'A	BOVE CODE' QUALIFICATIONS ¹				
This project is purs	uing CalGreen Tier 1		This pro	ject is pursuing CalGreen Tier 2	2
	Miscellaneous Energy Component	Standard Design (TDV)	Pro	oposed Design (TDV)	Compliance Margin (TDV) ¹
Receptacle			128.78	128.78	
Process					÷
Other Ltg			2.16	2.16	2
Process Motors			3.85	3.85	
COMPLIANCE TOTAL	PLUS MISCELLANEOUS COMPONENTS		341.95	323.66	18.3 (5.3%)
1 Notes This table is	s used to document compliance with programs	OTHER THAN Title 24 Part 6 if a	onlicable		

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Project Name:	North Harbor Shell		N	NRCC-PRF-01-E	Page 3 of 14				
Project Address:	7881 Sanholt Road Mo	oss Landing 95039	c	Calculation Date/Tim	ie: 16:40, Tue, Dec 13, 20	16:40, Tue, Dec 13, 2022			
Input File Name:	221213 - North Harbo	r.cibd19x							
C3. ENERGY USE SU	JMMARY		7						
Ene	ergy Component	Standard Design Site (MWh)	Proposed Design S (MWh)	ite Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)		
S	Space Heating	i i i i i i i i i i i i i i i i i i i	1143 1143	2. (111)	40.2	74.3	-34.1		
9	Space Cooling	11.6	10.3	1.3		575	2.55		
	Indoor Fans	36.2	29.9	6.3		277	1.000		
F	leat Rejection	144		(La)	942.		224		
P	umps & Misc.	<u>i</u>	7 2						
Don	nestic Hot Water	2.5		2.5		27.4	-27.4		
lr	ndoor Lighting	12.4	12.4	0.0		244	>		
Co	mpliance Total	62.7	52.6	10.1	40.2	101.7	-61.5		
	Receptacle	43.0	43.0	0.0		877	1.12		
	Process		Here)			17 23	ंस्ट		
	Other Ltg	0.7	0.7	0.0	1	22	5.92		
P	rocess Motors	1.2	1.2	0.0		823	0.57		
	TOTAL	107.6	97.5	10.1	40.2	101.7	-61.5		

D. EXCEPTIONAL CONDITIONS

This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required. The proposed building includes space(s) that are modeled with unknown HVAC system(s). Verify that the spaces modeled with unknown HVAC system(s) are either part of core and shell analysis which will be permitted for mechanical compliance in the future, or the spaces have an existing HVAC system not modeled for compliance, or the compliance scope does not include mechanical.

E. HERS VERIFICATION This Section Does Not Apply

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2340 GARDEN ROAD, SUITE 100 MONTEREY, CALIFORNIA 93940 PHONE: 831.649.4642 FAX: 831.649.3530 WWW.WRDARCH.COM

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JOB NO.	MOSS LANDING HARBOR DISTRICT NORTH HARBOR BUILDING WARM SHELL	
	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000	

JOB NO. 22084

SET ISSUED:

PRINT DATE: PLOT DATE: 7.19.2023 DRAWN BY: CAD CHECKED BY: RSS

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23

SHEET NAME: TITLE 24 -MECHANICAL

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SHEET NO .:

FILE NAME .:

HVA-M003

Project Name:	North Harbor Shell	NRCC-PRF-01-E	Page 13 of 14
Project Address:	7881 Sanholt Road Moss Landing 95039	Calculation Date/Time:	16:40, Tue, Dec 13, 2022
Input File Name:	221213 - North Harbor.cibd19x		
M. DECLARATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE		
compliance. These do	ections shall be made by Documentation Author to indicate which cuments must be provided to the building inspector during constru- more information visit:https://www.energy.ca.gov/title24/2019st	ction and must be completed	through an Acceptance Test Technician Certification
Building Component		Form/Title	
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration		
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Control	s	
	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed Acceptance (if applicable) since testing activities overlap	HVAC units. Note: MCH02-A can	be performed in conjunction with MCH-07-A Supply Fan VFD
Mechanical	NRCA-MCH-03-A Constant Volume Single Zone HVAC		
	NRCA-MCH-11-A Automatic Demand Shed Controls		
	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Termir	al Units Acceptance	

North Harbor Shell NRCC-PRF-01-E Page 14 of 14 Project Name: Calculation Date/Time: 16:40, Tue, Dec 13, 2022 Project Address: 7881 Sanholt Road Moss Landing 95039 Input File Name: 221213 - North Harbor.cibd19x DOCUMENTATION AUTHOR'S DECLARATION STATEMENT certify that this Cert Documentation Author Name: Lucas Hale Signature: Company: AXIOM ENGINEERS Address: 22 Lower Ragsdale Drive, Suite A Signature Date: 2022-12-13 City/State/Zip: Monterey CA 93940 CEA/ HERS Certification Identification (if applicable): Phone: 831-649-8000 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Envelope Designer Name: Signature: Company: Date Signed: City/State/Zip: License #: Phone: Title: Responsible Lighting Designer Name: Signature: Company: Date Signed: Address: City/State/Zip: License #: Title: Responsible Mechanical Designer Name: - specify -Signature: Company: Date Signed: Address: City/State/Zip: License #: Phone: Title:

Report Version: NRCC-PRF-01-E-12092021-6844

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Generated at: 2022-12-13 16:41:55

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-12-13 16:41:55

Project Name:	Nort	h Harbor Shell					NRCO	-PRF-01-E	Page 10	of 14			
Project Address:	788	L Sanholt Road Mos	s Landinį	g 95039			Calcu	lation Date/Tim	ie: 16:40, Tu	ue, Dec 13, 20	22		
Input File Name:	221	213 - North Harbor.c	ibd19x										
1. WATER HEA	TER EQUIPN	IENT SUMMARY										11	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (Int/Ext)	Standby Loss Fraction	1st Hour Rating or Flow Rate (gal)	Heat Pump Type	Tank Location of Ambient Condition
EF-60T-125E- 3N(A)2	Gas	Storage	1	60.00	125	kBtu/h	0.96	Thrml. Eff.	NA	0.060	80	NA	NA

1	2	3	4	5	6
		Installed Liebting Device	Linkting Control Condito	Additional (Cus	tom) Allowance
Occupancy Type ¹	Conditioned Floor Area ² (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Area Category Footnotes (Watts)	Tailored Method (Watts)
Office Area (Open plan office)	8,350	5,011	0	0	0
Restrooms	706	459	0	0	0
Electrical, Mechanical, Telephone Rooms	70	28	o	0	0
Building Totals:	9,126	5,498	0	0	0

¹ See Table 140.6-C ² See NRCC-LTI-01-E for unconditioned spaces ³Lighting information for existing spaces modeled is not included in the table

Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-12-13 16:41:55 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Project Name:	North Harbor	Shell	NRCC-PRF-01-E	Page 11 of 1	Page 11 of 14					
Project Address:	7881 Sanholt	Road Moss Landing 95039	Calculation Date/Tir	ne: 16:40, Tue,	Dec 13, 2022					
Input File Name:	221213 - Nort	h Harbor.cibd19x								
K4. INDOOR CONDI	TIONED LIGHTIN	G MANDATORY LIGHTING CONTROLS					<u></u>			
Building Level Cont	rols									
		1				2				
	N	landatory Demand Response §110.12(c)			Shut-Off Con	trols §130.1(c)				
		Required		00	Rec	uired				
Area Level Controls	(includes all ligh	ting controls installed in conditioned space to meet	mandatory requirement	nts per §130.1)						
4		5	6	7	8	9	10			
Area Descrip	tion	Area Category Primary Function Area	Area Controls 130.1(a)	Multi-Level Controls 130.1(b)	Shut-Off Controls 130.1(c)	Primary Daylighting 130.1(d)	Secondary Daylighting 140.5(d)			

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Calculation Date/Time:	
	16:40, Tue, Dec 13, 2022
onstruction and can be	
C	

Envelope NRCI-ENV-01-E - Must be submitted for all buildings Mechanical NRCI-MCH-01-E - Must be submitted for all buildings Plumbing NRCI-PLB-01-E - Must be submitted for all buildings Indoor Lighting NRCI-LTI-01-E - Must be submitted for all buildings

Report Generated at: 2022-12-13 16:41:55

Report Generated at: 2022-12-13 16:41:55



CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844



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MOSS LANDING HARBOR DISTRICT NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT 7881 SANHOLT ROAD, MOSS LANDING CA 95039 A.P.N. NO.: 413-002-00(3 & 5)-000
JOB NO.	

22084 PRINT DATE: PLOT DATE:

PLOT DATE:	7.19.2023
DRAWN BY:	CAD
CHECKED BY:	RSS
SET ISSUED:	

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23

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_____ _____ _____

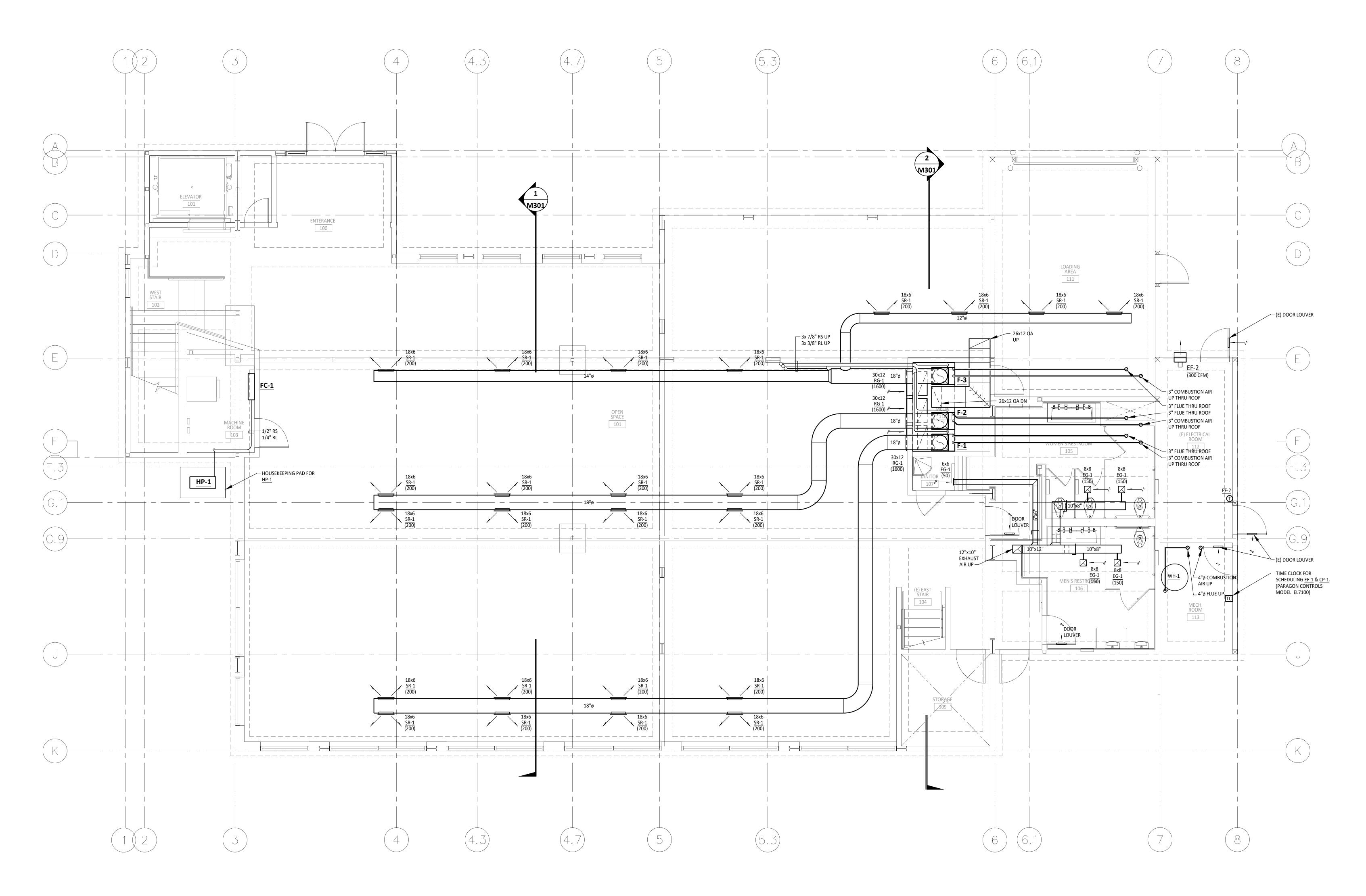
_____ SHEET NAME: TITLE 24 -MECHANICAL

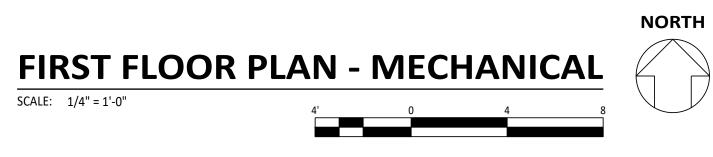
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SHEET NO .: M004











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DISTRICT	WARM SHELL				A P N NO 413-002-00/3 & 5)-000
MOSS LANDING HARBOR DISTRICT	NORTH HARBOR BUILDING WARM SHELL	2460 HIGHWAY ONE, MOSS LANDING CA 95039	MOSS LANDING HARBOR DISTRICT	NG CA 9503	A.F

JOB NO.

22084

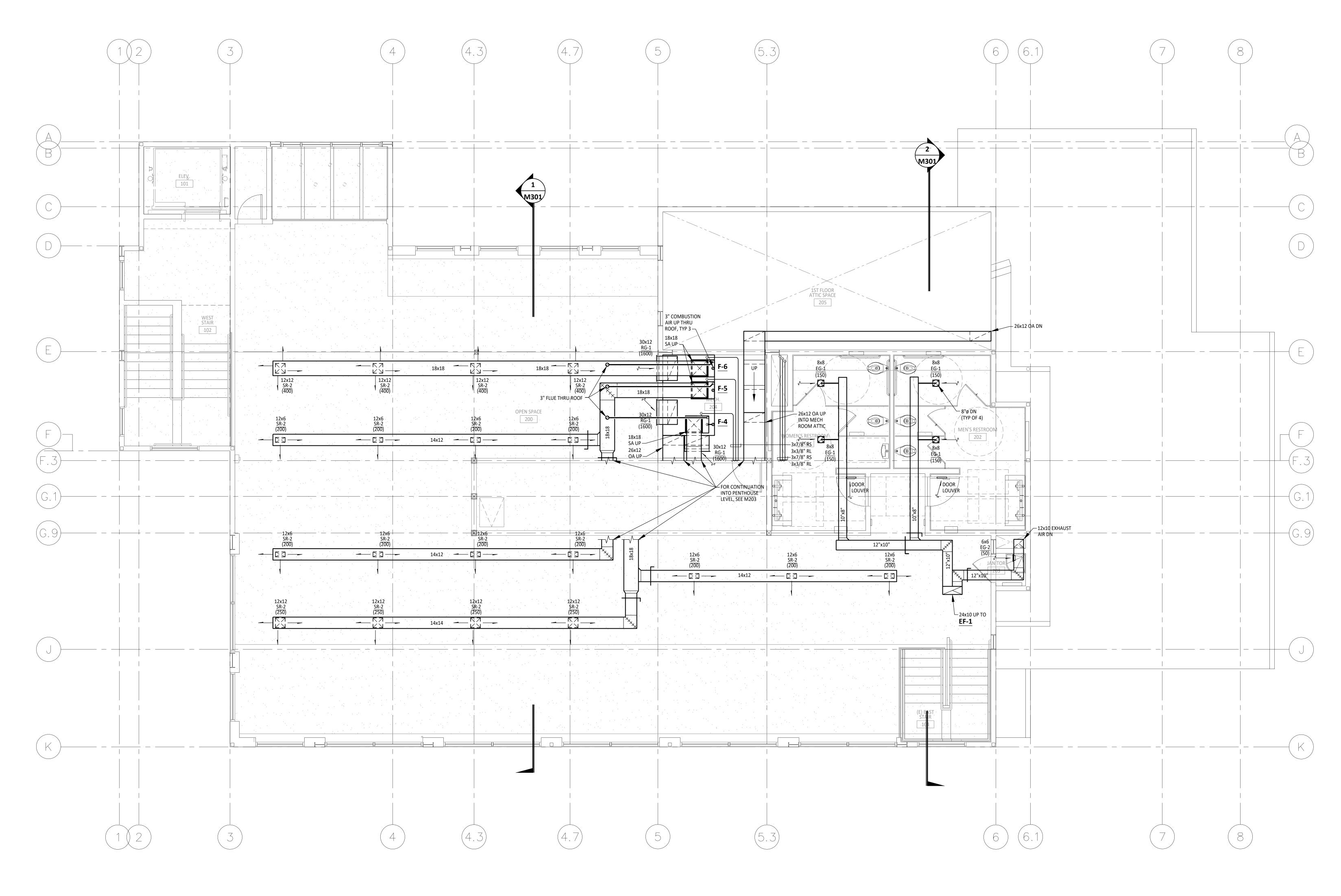
PRINT DATE: PLOT DATE: 7.19.2023 DRAWN BY: CAD CHECKED BY: RSS SET ISSUED:

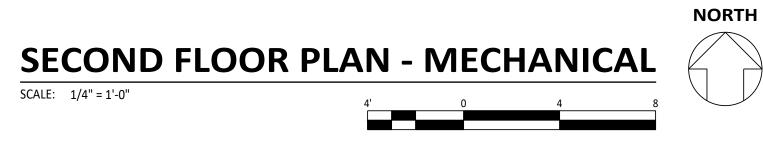
PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 10/1/23

SHEET NAME: FIRST FLOOR PLAN -MECHANICAL SHEET NO.:

M201











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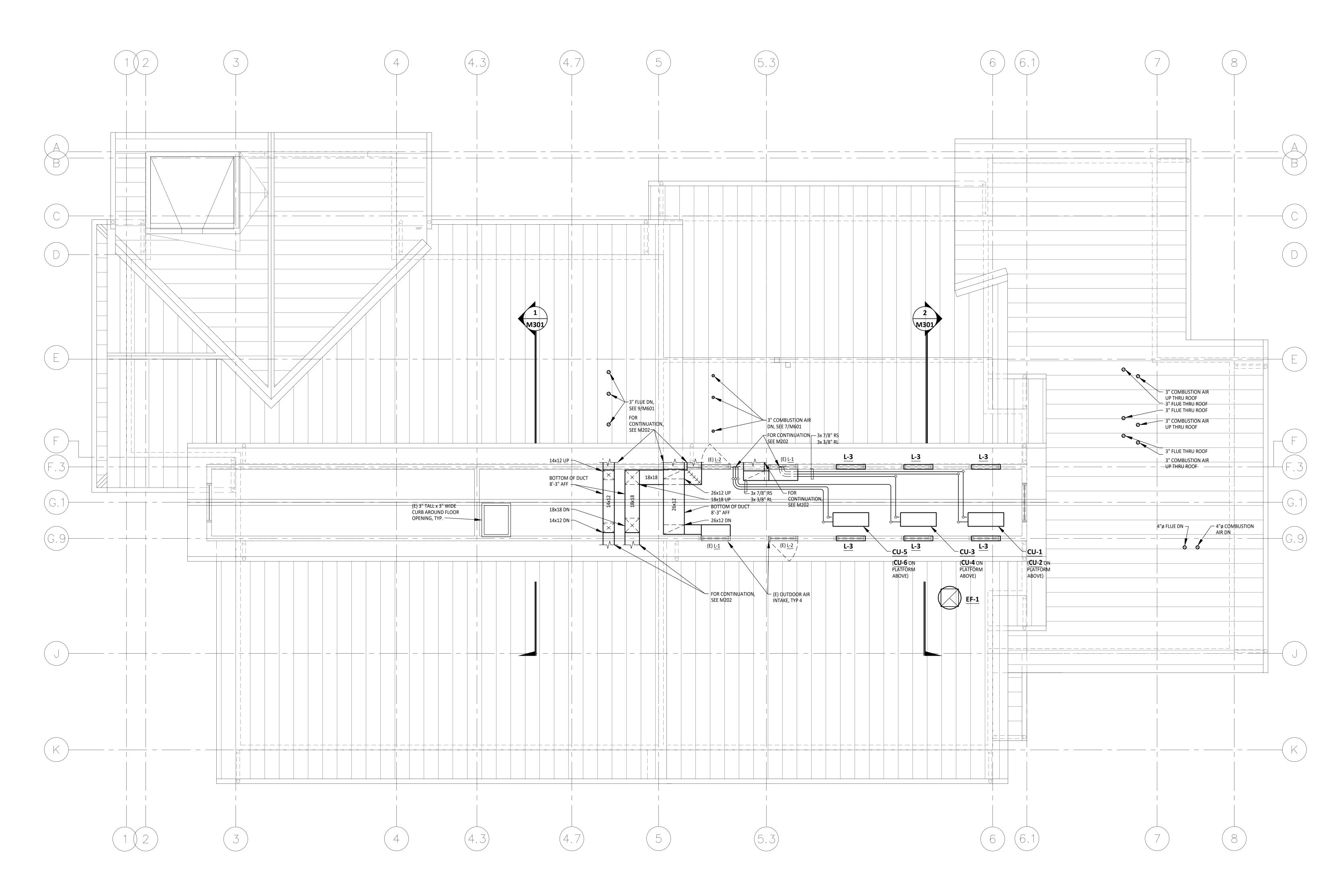
JOB NO. 22084 PRINT DATE: PLOT DATE: 7.19.2023 DRAWN BY: CAD CHECKED BY: RSS SET ISSUED:

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 10/1/23

SHEET NAME: SECOND FLOOR PLAN -MECHANICAL

SHEET NO.: M202





PENTHOUSE FLOOR PLAN - MECHANICAL SCALE: 1/4" = 1'-0"







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MOSS LANDING HARBOR DISTRICT
NORTH HARBOR BUILDING WARM SHELL
2460 HIGHWAY ONE, MOSS LANDING CA 95039
AOSS LANDING HARBOR DISTRICT
7881 SANHOLT ROAD, MOSS LANDING CA 95039
A.P.N. NO.: 413-002-00(3 & 5)-000

JOB NO. 22084 PRINT DATE: PLOT DATE: 7.19.2023 DRAWN BY: CAD

CHECKED BY: RSS SET ISSUED: PLAN CHECK SUBMITTAL: 12/16/22

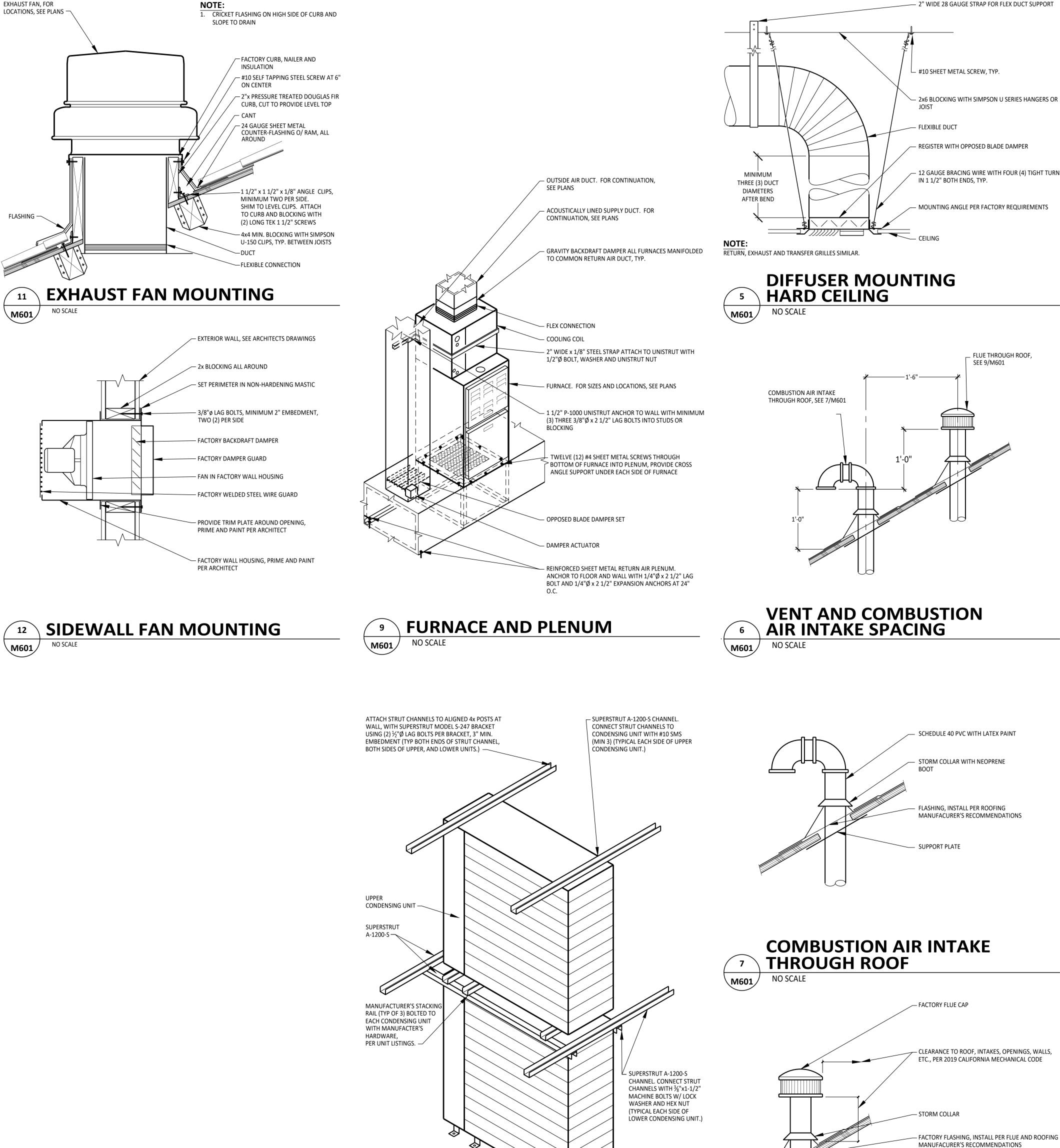
BACKCHECK SUBMITTAL: 7/10/23 10/1/23 BID SET

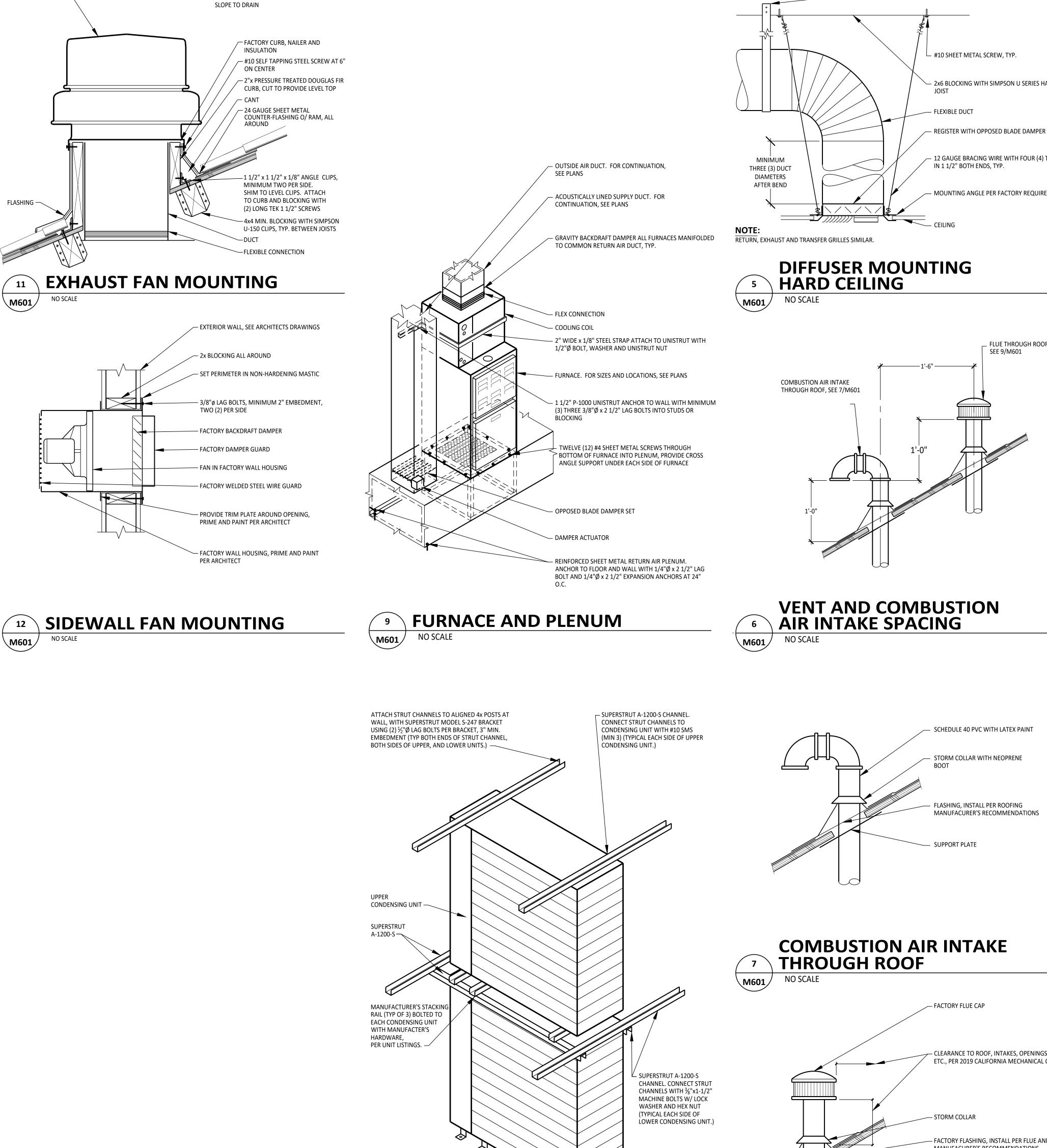
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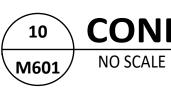
M203

FILE NAME.: HVA-M203









LOWER CONDENSING UNIT

CONDENSING UNIT MOUNTING

EMBEDMENT.

- ATTACH (6) MOUNTING FEET (3 EACH SIDE) TO STRUCTURE WITH 1/2"Ø LAG BOLTS, MIN. 21/2"





EXTRACTOR SEE PLANS, TYP.

MAXIMUM, MINIMUM ONE (1)

PER SIDE

DUCT MOUNTED REGISTERS

9 FLUE THROUGH ROOF NO SCALE

— FACTORY SUPPORT PLATE

– MINIMUM 1" CLEAR TO COMBUSTIBLES

– FLUE AND ALL CONNECTORS SHALL BE TYPE "B"

DOUBLE WALL WITH FACTORY ACCESSORIES

- 2x6 BLOCKING WITH SIMPSON U SERIES HANGERS OR - 12 GAUGE BRACING WIRE WITH FOUR (4) TIGHT TURNS

_____2" MAX 1/4" BOLT, NUT AND STAR WASHER, TYP. SHEET METAL SCREWS, TYP. FOR DUCTS 24"Ø 1" x 16 GAUGE CONTINUOUS COLLAR AND SMALLER DRAWN TIGHT

NOTES:

1

M601

ROUND DUCT HANGER

RECTANGULAR DUCT HANGER

1. REFER TO SPECIFICATIONS AND 2/M601 FOR HANGER SPACING.

3. PROVIDE SWAY BRACING PER SMACNA SEISMIC GUIDELINES.

4. FOR ATTACHMENTS TO STRUCTURE, SEE 3/M601.

NO SCALE

DUCT

DIAMETER

10" AND

11"-18"

19"-24"

MAX. HALF

OF DUCT

P/2=30"

PERIMETER

LESS

SPACING

12'-0"

12'-0"

12'-0"

10'-0"

STRAP

1"x22

2. ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE

WITH STRUCTURAL ENGINEERS REQUIREMENTS AND WEIGHT LIMITATIONS.

DUCT HANGERS DETAILS

MINIMUM HANGER SIZES FOR ROUND DUCT

ROD

DIAMETEE

1/4"

1/4

1/4"

D" 5'-0" WIRE STRAP ROD

1"x22 | 10 | 1"x22 | 12

PAIR A

STRAP

1"x22 GAUGE

1"x22 GAUGE

1"x22 GAUGE

PAIR A

4'-0"

STRAP

1"x22 12

WIR

ROD

WIRE

DIAMETER

ONE (1)

12 GAUGE

OR

ONE (1) 8 GAUGE

TWO (2)

MINIMUM HANGER SIZES FOR RECTANGULAR DUCT

8'-0"

STRAP

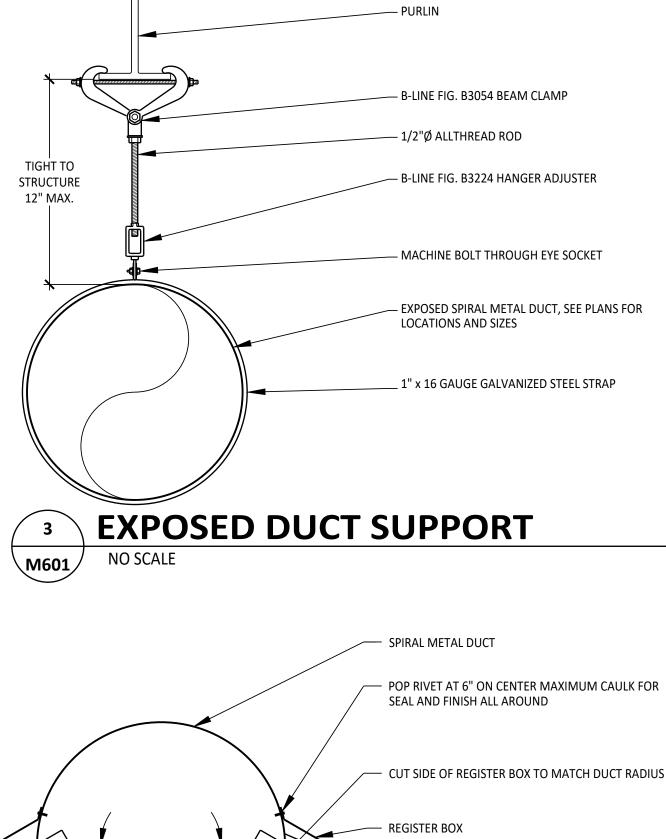
10 GAUGE

TWO (2) 12 GAUGE

1" x 16 GAUGE HANGER STRAP, TYP. — 30" MAX — AROUND DUCT -

1" x 16 GAUGE

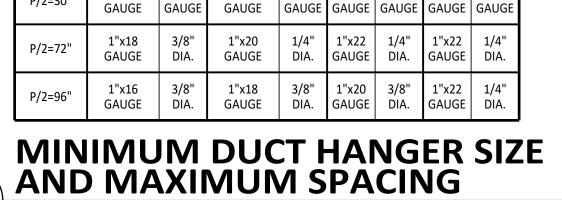
HANGER STRAP -





4

M601 NO SCALE



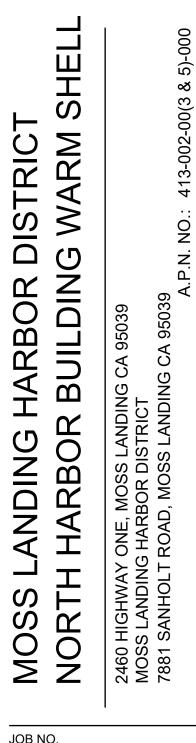
ROD

 $\Lambda/R&\Gamma$ WALD RUHNKE & DOST ARCHITECTS LLP

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SHEET NAME: DETAILS -MECHANICAL

SHEET NO .:



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22 Lower Ragsdale Dr., Suite A Monterey, California 93940-5788

REGISTER WITH OPPOSED BLADE DAMPER OR ADJUSTABLE

REGISTER BOX SHALL BE 1/4" INCH WIDER THAN

- SELF TAPPING SHEET METAL SCREWS AT 12" ON CENTER

OUTSIDE EDGE OF REGISTER MOUNTING FRAME

- OF THE STRUCTURAL ENGINEER AND THE ARCHITECT. ELECTRICAL CODE.
- CONTRACTOR.
- METAL MANUAL AND DRAWING NOTES.
- LABELS WITH MINIMUM 1/4" HIGH LETTERS. LABELS EXPOSED TO WEATHER SHALL BE ENGRAVED BRASS.
- ATTACHED, NEED NOT BE BRACED.

2019	BUILDING ST
2019	CALIFORNIA
2019	CALIFORNIA
2019	CALIFORNIA
2019	CALIFORNIA
TI	TLE 19, C.C.R.,

1. THIS PROJECT IS A REMODEL. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.

2. PLUMBING CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.

3. CONTRACTOR SHALL SAW-CUT SLAB AS REQUIRED FOR INSTALLATION OF WASTE AND VENT PIPING BELOW FLOOR. 4. CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT

5. CONTRACTOR SHALL VERIFY THAT THE ELECTRICAL CONNECTIONS TO THE UNITS, INCLUDING CIRCUIT PROTECTION, CONFORM TO UNIT LABELS AND MANUFACTURER'S DIRECTIONS. WHERE WIRE SIZES SHOWN ON DRAWING EXCEED MANUFACTURER'S RECOMMENDATIONS, THE DRAWINGS SHALL GOVERN. ALL WIRING SHALL BE PER THE NATIONAL

6. ALL CONTROL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING

7. FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. 8. COORDINATE WITH OWNER ON SPACE REQUIRED AND TIME SCHEDULE FOR DELIVERY OF ALL ITEMS WHICH ARE TO BE

GIVEN TO THE OWNER FOR HIS DISPOSITION. 9. FOR ROOF PENETRATIONS WITHOUT CURBS, PROVIDE WEATHERPROOF FLASHING PER SMACNA ARCHITECTURAL SHEET

10. LABEL ALL PIECES OF EQUIPMENT WITH MARK MATCHING SCHEDULE OR EQUIPMENT LIST WITH ENGRAVED PLASTIC

11. PRIME AND PAINT ALL EXPOSED PIPING PER ARCHITECTURAL SPECIFICATIONS. PAINT SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND CONTENT LIMITS: FLATS < 50 GRAMS PER LITER, NON-FLATS < 100 GRAMS PER LITER.

12. COORDINATE WITH ELECTRICAL ON REQUIRED POWER OUTLETS AND LIGHT SWITCHES NEAR PLUMBING EQUIPMENT. 13. BRACE ALL GAS PIPING THAT IS 1" NOMINAL OR LARGER. BRACE ALL PIPING IN MECHANICAL ROOMS THAT IS 1 1/4" NOMINAL OR LARGER. BRACE ALL PIPING 2 1/2" NOMINAL OR LARGER. PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH, AS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT WHERE THE HANGER IS

14. ALL PIPING, VALVES, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.

LIST OF GOVERNING CODES:

TANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.

A BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. A ELECTRICAL CODE, PART 3, TITLE 24, C.C.R. A MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.

A PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.

A ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R. A FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.

A GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R. A REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. .9, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

				V	VAT	ER HEA	TEF	२ऽ	
MARK	LOCATION	GAL CAP	MBH IN	ELI KW	ECT V/PH		FULL WT	MAKE & MODEL	REI
<u>WH-1</u>	MECH ROOM 114	60	125	-	-	162 GPH	1,070	BRADFORD WHITE EF-60T-125E-3N	

(1) SEE 1/P601 FOR WATER HEAT

		GREASE	IN	TERCEPTOR		
MARK	ТҮРЕ	DESCRIPTION	GAL	MAKE & MODEL	DIMENSIONS [LxWxH]	REMARKS
<u>GI-1</u>	HYDROMECHANICAL OUTDOOR/INDOOR	POLYETHYLENE GREASE INTERCEPTOR	510	SCHIER MODEL GB-500	94-1/4" x 46" x 49-1/2"	
1 INSTALL BELOW GRADE AND SUPPORT PER MFR REQUIREMENTS. PROVIDE WITH TRAFFIC LOAD RATED GAS/WATER TIGHT LID RATED MIN. 16,000 LBS 2 ASME A112.14.3 (TYPE C) CERTIFIED UNIT AND INCLUDES INTERNAL FLOW CONTROL. 3 CERTIFIED FOR 100 GPM FLOW RATE / 3948 LBS GREASE CAPACITY 4 PROVIDE W/ OPTIONAL PUMP-OUT PORT, PP3						

5 SIZED USING CPC TA FIXTURE CAPACITIE

	WAT	FR H	FΔ.	TFF	25					PLUMBING	FGENI)
GAL	MBH ELECT			FULL	MAKE & MO		REMARKS	CVMDOI				
САР	IN KW V/PH			WT			<u>`</u>	SYMBOL	ABBRV.	IDENTIFICATION COLD WATER (DOMESTIC)	ABBRV.	
60	125	162 GF	РΗ	1,070	BRADFORD V EF-60T-125I				HW	HOT WATER	COORD	CONSTRUCTION
TER PIPING S				ľ					HWR	HOT WATER RETURN	DF	DRINKING FOUNTAIN
									V	VENT	DN	DOWN
								TW	TW	TEMPERED WATER	DWGS	DRAWINGS
								TWR	TWR	TEMPERED WATER RETURN TRAP PRIMER LINE	(E)	EXISTING ELECTRICAL CONTRACTOR
	GKEA	<u> 5E IN</u>			<u>EPTOR</u>	DIMENSIONS		[P	TP F	FIRE WATER	EC ELEC	ELECTRICAL
'PE	DESCRIPTION	GAL		MAKE &	& MODEL	DIMENSIONS [LxWxH]	REMARKS	SPKR	SPKR	SPRINKLER	ELEV	ELEVATION
CHANICAL	POLYETHYLENE	510			HIER	94-1/4" x 46" x		— DSPKR —	DSPKR	DRY SPRINKLER	EMBT	EMBEDMENT
R/INDOOR	GREASE INTERCEPTOR	510		MODEL	L GB-500	49-1/2"			SPKR(D)	DELUGE SPRINKLER	EQUIP	EQUIPMENT
RADE AND SU	JPPORT PER MFR REQUIREME	NTS. PROVIDE		(2)) ASME A112.14.3	(TYPE C) CERTIFIE	D UNIT AND INCLUDES	WSP	WSP	WET STAND PIPE	EWT	ENTERING WATER TEMPERATURE
	AS/WATER TIGHT LID RATED M			9	INTERNAL FLOW	CONTROL.		DSP	DSP	DRY STAND PIPE	EXT	EXTERIOR
GPM FLOW	RATE / 3948 LBS GREASE CAP	ACITY		4) PROVIDE W/ OPT	ONAL PUMP-OU	T PORT, PP3	G	G	GAS (7"WC)	FD	
	2.1 TWO-MINUTE DRAINAGE P	ERIOD BASED	ON					MPG	MPG S OR W	MEDIUM PRESSURE GAS SOIL OR WASTE ABOVE GRADE	FFE FLA	FINISHED FLOOR ELEVATION FULL LOAD AMPS
S.								w	S OR W	SOIL OR WASTE BELOW GRADE	FLEX	FLEXIBLE
								GW	GW	GREASE WASTE (ABOVE GROUND)	FLR	FLOOR
								— — GW — —	GW	GREASE WASTE (BELOW GROUND)	FS	FLOOR SINK
			Ρ	UN	1PS				IW	INDUSTRIAL WASTE (ABOVE GROUND)	FPM	FEET PER MINUTE
MARK		MOTOR	W	/т	MAKE & MOI	FI	REMARKS	w	IW	INDUSTRIAL WASTE (BELOW GROUND)	FT	FEET
	FT FT RPM	HP V/P	PH LE	BS			NEWIANNS	RWL	RWL	RAIN WATER LEADER	FT HD	FEET HEAD
<u>CP-1</u>	2 12	0.06 115	/1 7	,	GRUNDFOS UP15 18BUC7			RD	RD		GPM	GALLONS PER MINUTE
								ID ID	ID CD	INDIRECT DRAIN CONDENSATE DRAIN	GALV	GALVANIZED
1 INST	ALL PER MANUFACTURER'S IN	STRUCTIONS			2 PROVIDE	GRUNDFOS TIME	R, MODEL 599388	F			GA	GAUGE GENERAL CONTRACTOR
3) PRO	VIDE GRUNDFOS AQUASTAT, N	NODEL 2024	1		(4) DOMEST	C HW RECIRCULA	TION PUMP	<u> </u>	CONT	CONTINUATION	HP	HORSEPOWER
- rhu											HR	HOUR
								;×;⊢ OR _;⊂		GATE VALVE	HZ	HERTZ
								—————————————————————————————————————	SOV	SHUT-OFF VALVE	ID	INSIDE DIAMETER
	PLUMB	ING F	FIX1	UF	RE CON	NECT	ONS		GV	GLOBE VALVE	IE	INVERT ELEVATION
MARK	DESCRIPTION	MI	N BRANC	CH SIZE	ТВАР		REMARKS			BUTTERFLY VALVE	IN	INCH
		W	V	CW I	HW	_	_		517	BALL VALVE	INV	
WC-1	WATER CLOSET	3"	2"	1/2"	- INTEGRA	L (1) (3	К л	BV		KW	KILOWATTS
									CS	CIRCUIT SETTER	LBS	POUNDS
WC-2	WATER CLOSET	3"	2"	1/2"	- INTEGRA	L (3)				SOLENOID VALVE	LRA	LOCKED ROTOR AMPS
1.1	LAVATORY	1 1/2"	1-1/2"	1/2" 1	1/2" 1-1/2"						LVG	LEAVING
<u>L-1</u>		1-1/2	1-1/2	1/2	1/2 1-1/2		3)			PRESSURE REDUCING VALVE	LWT	LEAVING WATER TEMPERATURE
U-1	WALL MOUNTED URINA	L 2"	1 1/2"	1/2"	- INTEGRA	L (1) (3	×1	T&PRV	TEMP. & PRESS. RELIEF VALVE	MAX	MAXIMUM
							\smile	Ť			MBH	1000 BTU PER HOUR
<u>U-2</u>	WALL MOUNTED URINA	L 2"	1 1/2"	1/2"	- INTEGRA	L 3				ANGLE VALVE	MC	MECHANICAL CONTRACTOR
_											MCA MECH	MINIMUM CIRCUIT AMPS
<u>MS-1</u>	MOP SINK	2"	1 1/2"	1/2" 1	1/2" 2" X 1-1/	2" 1			СКV	CHECK VALVE	MECH MFR	MECHANICAL MANUFACTURER
				1/2" TP						STRAINER	MIN	MINIMUM
FD-1	FLOOR DRAIN	2"	1-1/2"	TP	- 2"	(2)					МОСР	MAXIMUM OVERCURRENT PROTEC
1								;×;⊢ OR _ć–	GC	GAS COCK	(N)	NEW
	ST MEET CALIFORNIA REQUIRE	IVIEINIS FUR A	UA.		(2) FLOOR D DRAIN. 5	ROUND TOP, NI	H FIGURE 2005L FLOOR CKEL BRONZE STRAINER.		PRV	PRESSURE REGULATING VALVE	NC	NORMALLY CLOSED
	MBING FIXTURES AND TRIM SE ARCHITECTURAL DRAWINGS	LECTED BY AR	CHITECT.					. •			NIC	NOT IN CONTRACT
SEE	ANGINI LUTUKAL UKAWINGS								GPR	GAS PRESSURE REGULATOR	NO	NORMALLY OPEN
LUMBI	NG FIXTURE SPECIFI	CATION							50	UNION FLEXIBLE CONNECTION	NTS	NOT TO SCALE ON CENTER
				TENING		/////// 47 0 ****			FC	PRESSURE/TEMPERATURE PLUG	OC OD	ON CENTER OUTSIDE DIAMETER
	IALL BE COMPLETE WITH ALL F TENANCES REQUIRED. FIXTURI						ie TRAPS, STUPS, CAULKING		WHA	WATER HAMMER ARRESTOR	PC	PLUMBING CONTRACTOR
	NK MS-1: FLORESTONE MODEL						DE FLORESTONF OPTIONS		НВ	HOSE BIBB	PD	PRESSURE DROP
	, MR-271, MR-373, MR-375		NEU		, v neiðin,			Φ	GCO/FCO	GRADE CLEANOUT/FLOOR CLEANOUT	PH	PHASE
								Ğ	WCO	WALL CLEANOUT	P/N	PART NUMBER
										CIRCULATION PUMP (DOMESTIC)	PRESS	PRESSURE
REAS	E INTERCEPTOR C	ALCULA	TIONS					Ē		THERMOMETER	PRV	PRESSURE REDUCING VALVE
Referen	ce No. 46354 Pro	oject Name	e: Moss	Landi	ing Harbor Dist	ict - North H	arbor restaurant				PSI	POUNDS PER SQUARE INCH
-	Flow rate to grease int	-		-	_			<u> </u>		PRESSURE GAUGE	P/T	PRESSURE/TEMPERATURE
	ow rate: (cu in / 231) = g		! min = 2	min flo		20 mm - 2		©⊺ ●	P.O.C.	TEMPERATURE GAUGE POINT OF CONNECTION	QTY REQD	QUANTITY REQUIRED
NAME 3 Comp S	link	TYPE 3 Compa	rtment S	nk	DIMENSIONS 21" x 21" x 14"		J IN FLOW RATE 522 30 GPM	Ģ	г. .	CENTERLINE	REQD	REQUIREMENTS
Dishwash	ier	Dishwash	ner (Conv		N/A	1 5,	775 12.5 GPM	AD	AD	ACCESS DOOR	RLA	RATED/RUNNING LOAD AMPS
Hand Sink Service Si		Hand Sin Prep Sink		vl	10" x 14" x 5" 21" x 21" x 14"		400 2.26 GPM 174 10 GPM	Ø	DIA	DIAMETER	RM	ROOM
Total		1					54.76 GPM		&	AND	RPM	REVOLUTIONS PER MINUTE
	Grease Production								@	AT	RV	RELIEF VALVE
-	of Seats x 4 turns per sea	at x Grease	Product	ion Val	ue x Days betwe	en pump-out =	Grease output		°F	DEGREES FAHRENHEIT	SM	SHEETMETAL
Number	of seats in facility: 184								AC		SOV	SHUT-OFF VALVE
Grease p	production value: 0.0455	•	ving (Se	afood:	High / Flatware)				AD AFF	AREA DRAIN ABOVE FINISH FLOOR	SPEC SO	SPECIFICATION SQUARE
-	ween pump-outs: 90 day								AFF	ABOVE FINISH FLOOR AGGREGATE	SQ STD	SQUARE
84 x 4	x 0.0455 x 90 = 3013.	92 lbs of F	OG						AGGR	AMPERE	STRUCT	STRUCTURAL
S	CHIER MODEL	Descript	ion: Po	yethyl	ene Grease Int	erceptor			APPROX	APPROXIMATE	STSL	STAINLESS STEEL
		Dimensio	ons: Le	ngth: 9	94.5", Width: 46	, Height: 49.			ARCH	ARCHITECT/ARCHITECTURAL	TDH	TOTAL DYNAMIC HEAD
	GB-500	Flow Rat Liquid Ca			a pacities: 100 (nal	PM / 3048.0	BS		BHP	BRAKE HORSEPOWER	TEMP	TEMPERATURE
(~ ~ ~		apacity	. 510 g	jai				BJ	BETWEEN JOISTS	ТҮР	TYPICAL
(BLDG	BUILDING	UL	UNDERWRITER'S LABORATORIES
(ВТ	BATHTUB	UON	UNLESS OTHERWISE NOTED
(BTU	BRITISH THERMAL UNIT	V	VOLT
(CFH CI	CUBIC FEET PER HOUR CAST IRON	VTR W/	VENT THROUGH ROOF WITH
(<u></u>		N//	
(
									CIRC	CIRCULATING	WC	WATER COLUMN

ervice Sink	Prep Sink One Bo
land Sink	Hand Sink
ishwasher	Dishwasher (Con
Comp SInk	3 Compartment S
IAIVIE	IYPE

SCHIER MODEL	Description: Polyethylene Grease Interceptor
	Dimensions: Length: 94.5", Width: 46", Height: 49.5"
	Flow Rates/Grease Capacities: 100 GPM / 3048.0 lbs
GB-500	Liquid Capacity: 510 gal

ЛРS	
MAKE & MODEL	REMARKS
GRUNDFOS UP15 18BUC7	

DIMENSIONS	QTY	CU IN	FLOW RATE
21" x 21" x 14" (3)	1	18,522	30 GPM
N/A	1	5,775	12.5 GPM
10" x 14" x 5"	2	1,400	2.26 GPM
21" x 21" x 14"	1	6,174	10 GPM

PIPE MAT	FERIAL SCHEDULE
ТҮРЕ	MATERIAL
RWL, OD, SEWER AND VENT	HUBLESS, CAST IRON (ABOVE AND BELOW FLOOR)
WATER	TYPE 'L' COPPER (ABOVE GROUND)
GAS	BLACK STEEL (ABOVE GROUND) PE (BELOW GROUND)





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MOSS LANDING HARBOR DISTRICT NORTH HARBOR BUILDING WARM SHELL
2460 HIGHWAY ONE, MOSS LANDING CA 95039
7881 SANHOLT ROAD, MOSS LANDING CA 95039
A.P.N. NO.: 413-002-00(3 & 5)-000

JOB NO. 22084 _____ _____ PRINT DATE: PLOT DATE: 7.19.2023 DRAWN BY: CAD CHECKED BY: RSS _____ SET ISSUED: _____

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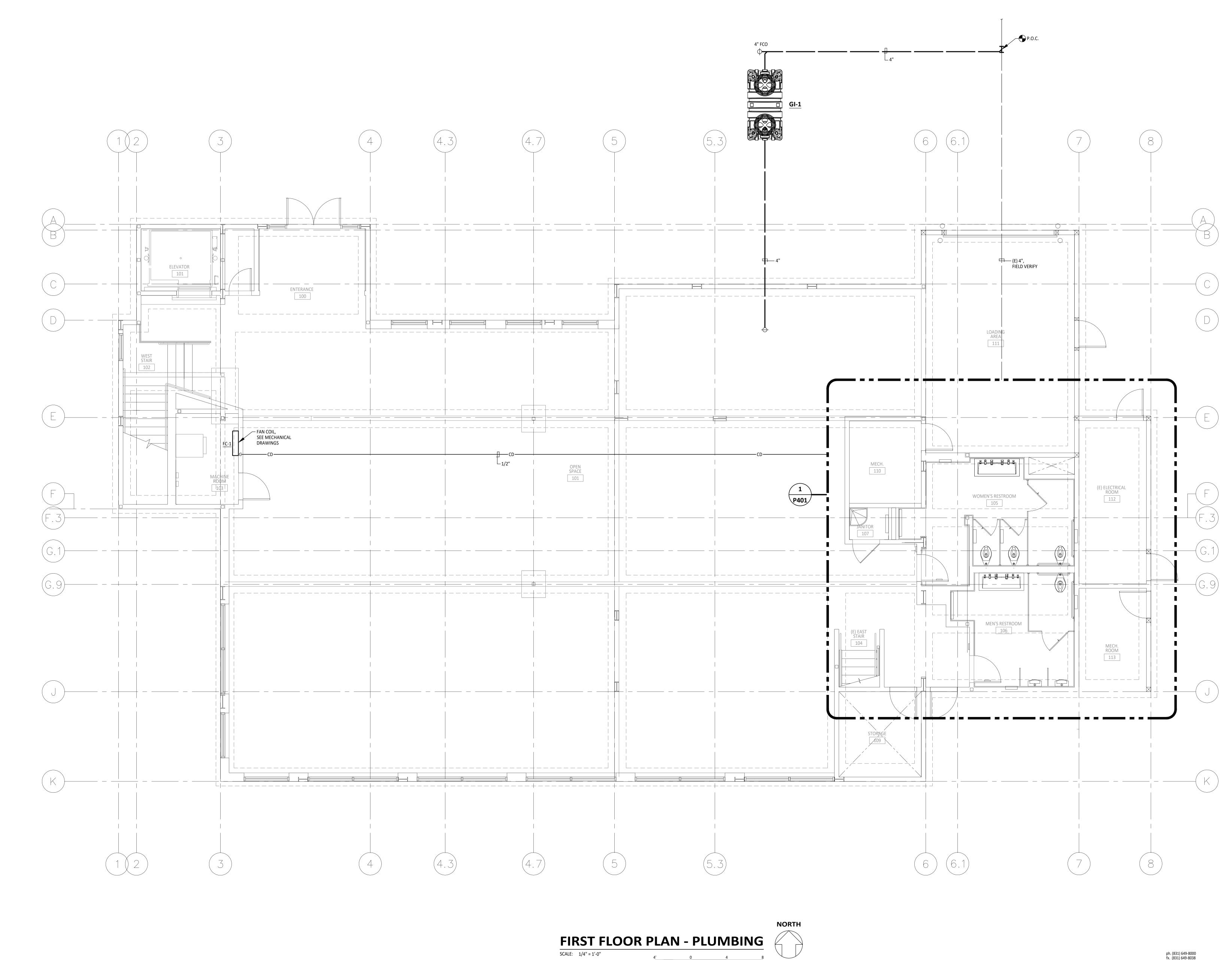
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LEGENDS AND NOTES -PLUMBING SHEET NO .:

SHEET NAME:



FILE NAME .:



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SHEET NAME: FIRST FLOOR PLAN -PLUMBING _____ SHEET NO .:

P201

22 Lower Ragsdale Dr., Suite A Monterey, California 93940-5788

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2460 HIGHWAY ONE, MOSS LANDING CA 95039
MOSS LANDING HARBOR DISTRICT
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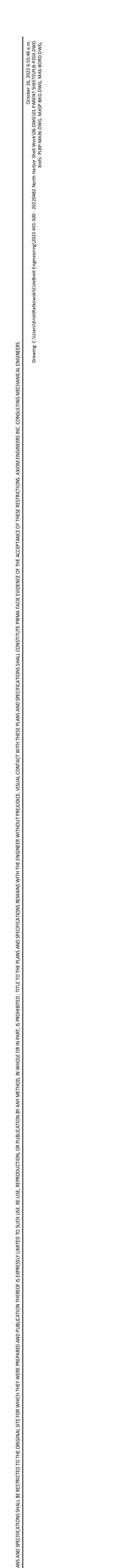
10/1/23

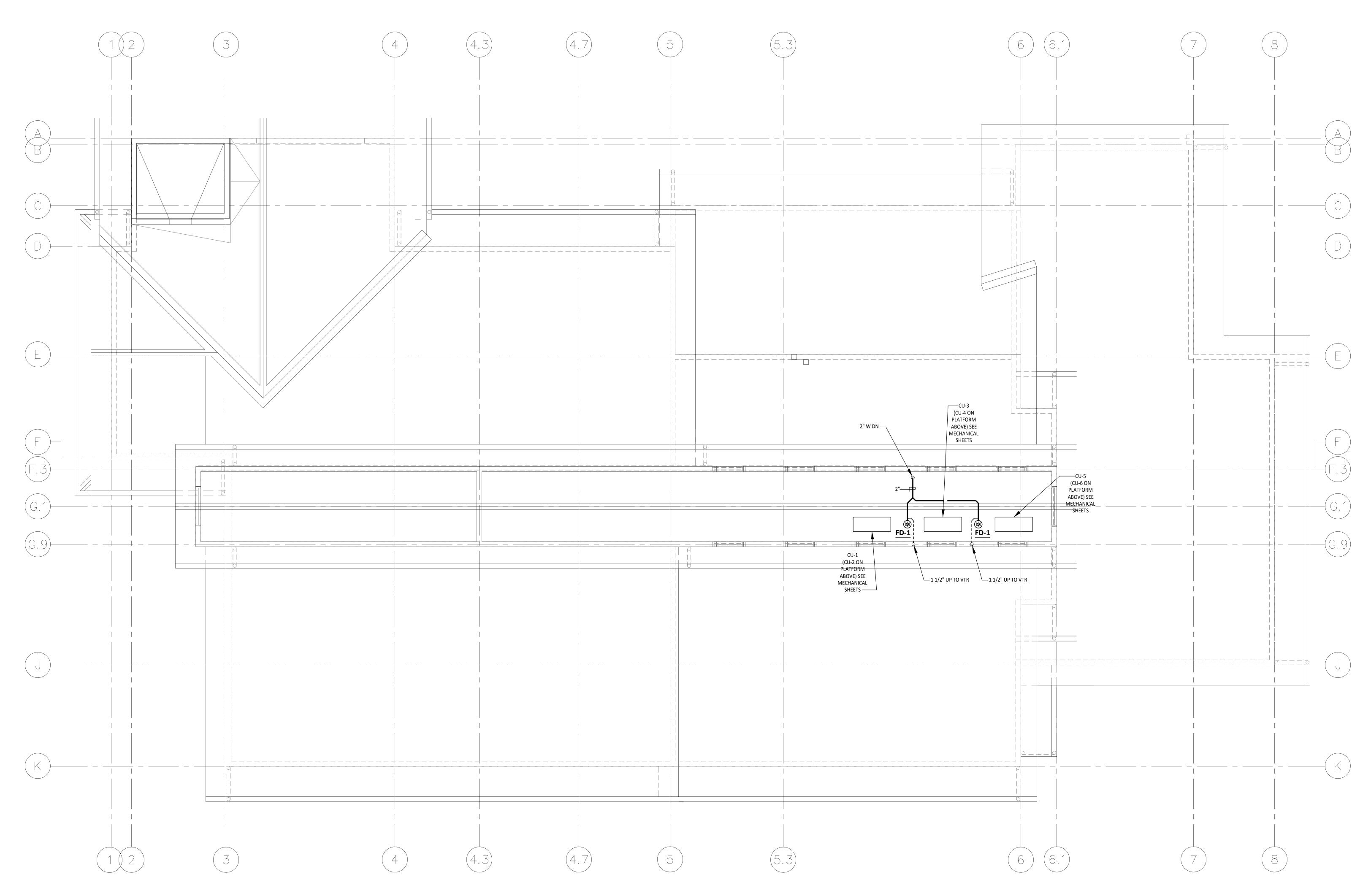
BID SFT

SHEET NAME: SECOND FLOOR PLAN -PLUMBING _____ SHEET NO .:

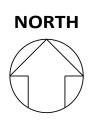
P202

FILE NAME.:





PENTHOUSE FLOOR PLAN - PLUMBING SCALE: 1/4" = 1'-0"







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NORTH HARBOR BUILDING WARM SHELL
2460 HIGHWAY ONE, MOSS LANDING CA 95039 MOSS LANDING HARBOR DISTRICT
NG CA 9503
A.P.N. NO.: 413-002-00(3 & 5)-000

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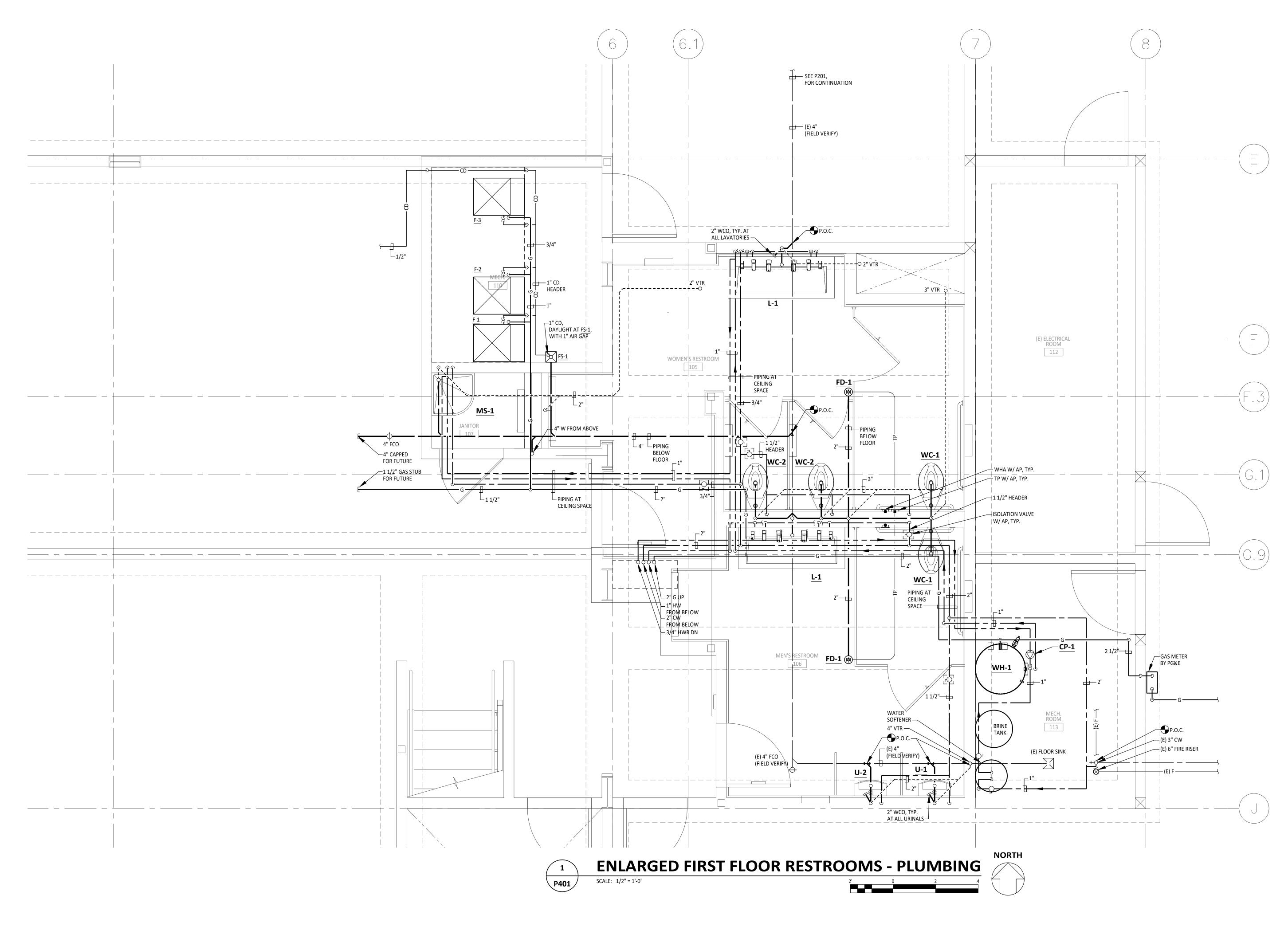
PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 10/1/23

SHEET NAME: PENTHOUSE FLOOR PLAN -PLUMBING

P203

FILE NAME.: PLB-P203

SHEET NO.:







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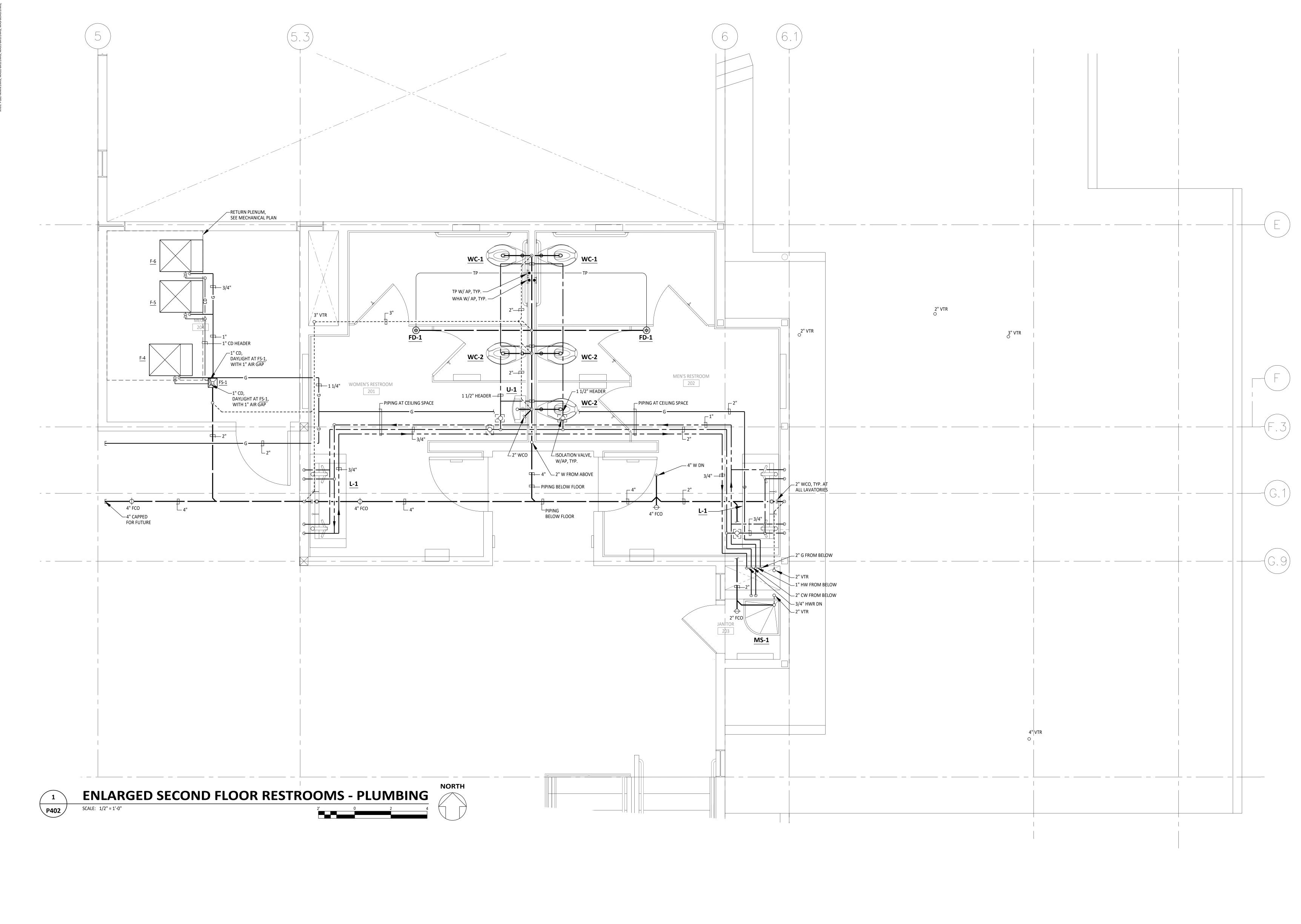
PRINT DATE PLOT DATE: 7.19.2023 DRAWN BY: CAD CHECKED BY:

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 10/1/23

SHEET NAME: ENLARGED FIRST FLOOR ・・バスジー・ PLAN -PLUMBING SHEET NO.: ■ FP cSM

P401

FILE NAME.: PLB-P401







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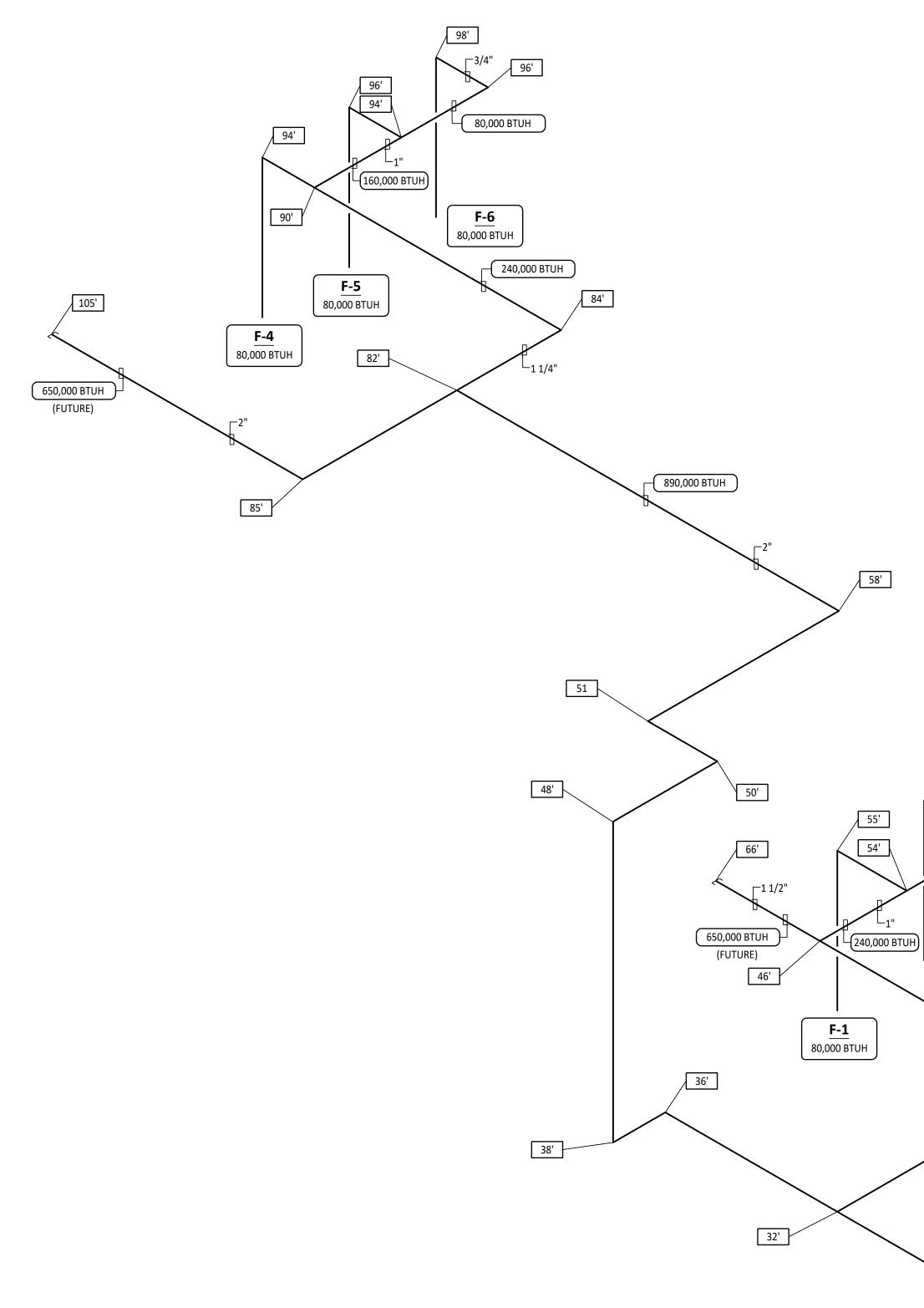


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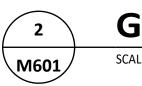
www.axiomengineers.com P402

FILE NAME.: PLB-P402



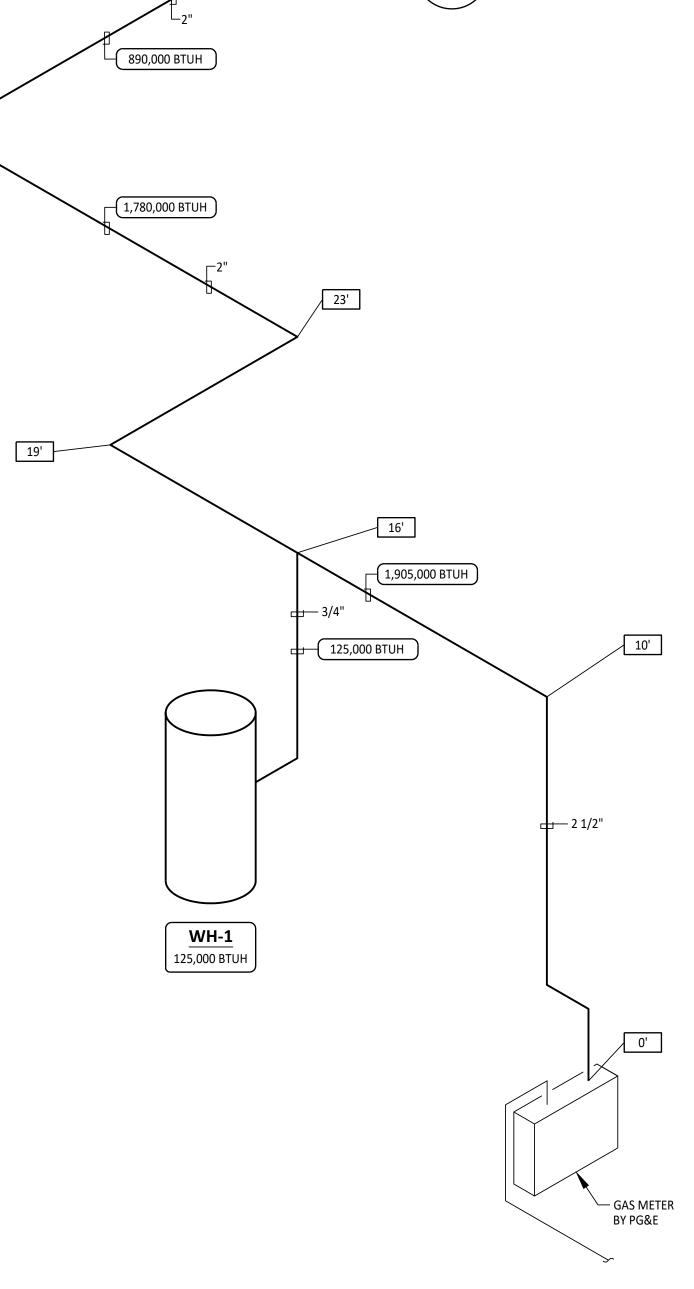
GAS PIPING SIZED PER 2019 CALIFORNIA
PLUMBING CODE
 TABLE 1216.2(1) ABOVE GROUND
METALLIC PIPE
• TABLE 1216.2(21) BELOW GROUND
PLASTIC PIPE
PRESSURE DROP: 0.5 IN W.C.
SPECIFIC GRAVITY: 0.60

LEGEND			
SYMBOL DESCRIPTION			
123'	PIPE DISTANCE		
X-1 300,000 BTUH	EQUIPMENT NUMBER/ TOTAL BTUH FOR EQUIPMENT		
300,000 BTUH	BRANCH TOTAL BTUH		









60'

57'

56'

(160,000 BTUH)

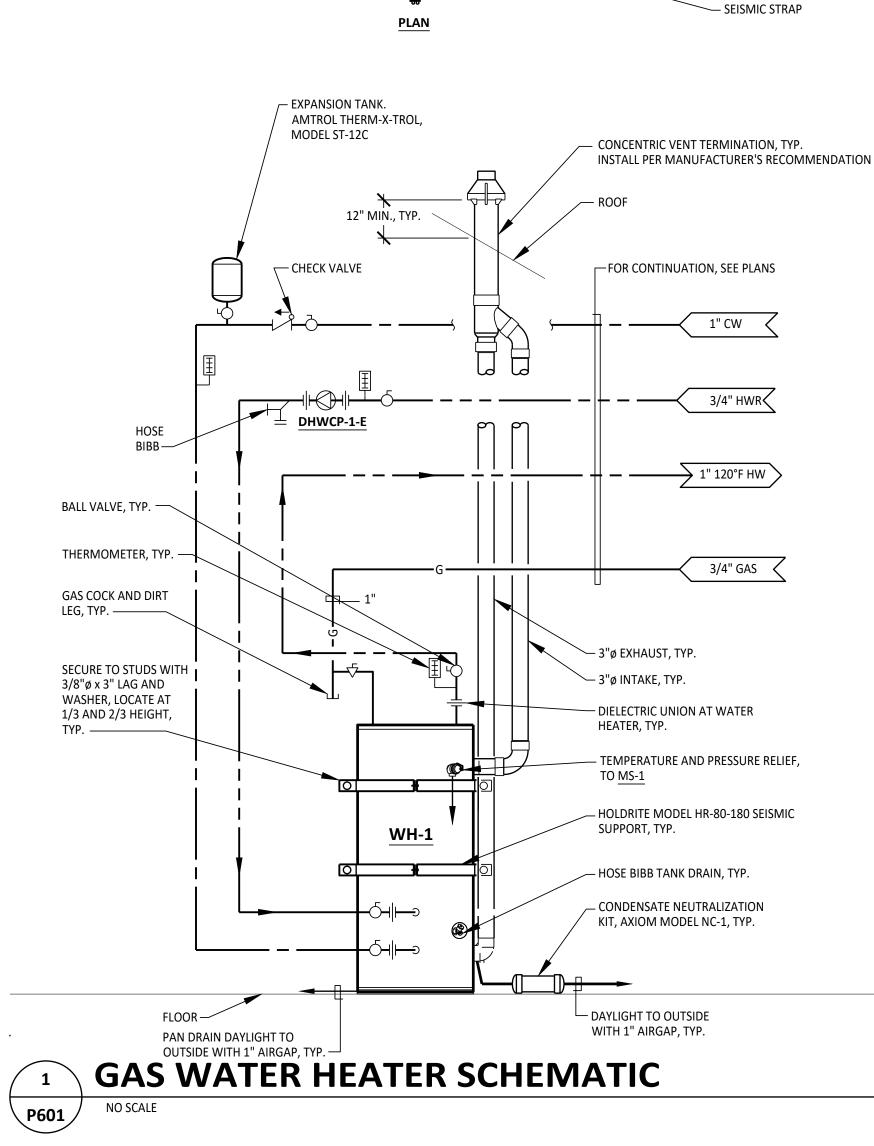
F-3 80,000 BTUH

F-2 80,000 BTUH

−3/4"

80,000 BTUH

35'



— LAG AND WASHER - SHAPED WOOD BLOCK

- WALL



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MOSS LANDING HARBOR DISTRICT NORTH HARBOR BUILDING WARM SHELL
MOSS LANDING HARBOR DISTRICT
7881 SANHOLT ROAD, MOSS LANDING CA 95039
A.P.N. NO.: 413-002-00(3 & 5)-000

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SHEET NAME: DETAILS -PLUMBING

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SHEET NO .: P601

FILE NAME.:

GENERAL CONSTRUCTION NOTES

- SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- THIS CONTRACT WORK.
- . CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. ON PROJECT.
- ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- AT START OF WORK.
- REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
- ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- NOT ALLOWED.
- DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
- 14. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- 15. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
- A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
- CONSTRUCTION.
- WHERE POSSIBLE.
- 19. WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- 20. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
- CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- DUE TO ROUTING AS DIRECTED BY THE ARCHITECT WILL BE MADE.

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE

ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO

CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.

B. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING

CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT

10. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED, CONDUITS FOR EXTERIOR

11. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR

12. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS

13. ALL 120V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE

ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE.

16. FROM ALL NEW FLUSH MOUNT PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE

17. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE

18. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT

NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE

21. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL

22. WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL CLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.

23. ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ARCHITECT BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC. FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ARCHITECT. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE ARCHITECT. NO ALLOWANCE FOR ADDITIONAL COMPENSATION

			SYMBOLS & ABBREVIATIO
0	FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE	•	SECURITY DOOR CONTACTS
	EMERGENCY OR NIGHT LIGHT		SECURITY MOTION DETECTOR
	STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE	HSC⊲	CCTV CAMERA
	LUMINAIRE - RECESSED - SEE SCHEDULE	Ηкр	SECURITY SYSTEM KEYPAD
\rightarrow	RECESSED WALL WASHER	Η•	DOOR BELL PUSHBUTTON
0	LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE	HCH	DOOR CHIME WITH LED
•••	LUMINAIRE - POLE OR POST MOUNTED -	Φ	RECEPTACLE - DUPLEX *
ю	SEE SCHEDULE	Ø	DUPLEX RECEPTACLE MOUNTED ABOVE CO FIELD VERIFY HEIGHT
1		Ф	GFCI CONVENIENCE RECEPTACLE - DUPLE
- O -	BOLLARD OR PATH LIGHT - SEE SCHEDULE	Ŵ	GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIF
8	EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE	#	RECEPTACLE DOUBLE DUPLEX *
<u> </u>	TRACK LIGHTING - SEE SCHEDULE	φ	HALF SWITCHED DUPLEX RECEPTACLE *
	EMERGENCY LIGHT	л Ф	SINGLE RECEPTACLE*
\bigcirc	DIGITAL DUAL TECHNOLOGY OCC. SENSOR	т Т	DUPLEX RECEPTACLE - CEILING MOUNTED
<-	LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED	Ф ^{нс}	LETTER INDICATES DUPLEX HALF
DRC	DIMMER ROOM CONTROLLER	М	CONTROLLED RECEPTACLE *
PC	PLUG LOAD CONTROLLER	¢℃	LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *
RC	ROOM LIGHTING CONTROLLER	\odot	FLOOR MOUNTED DUPLEX RECEPTACLE
LCP	LIGHTING CONTROL PANEL		FLOOR MOUNTED BOX
OD	DIGITAL DAYLIGHT SENSOR	9	POWER OUTLET - SEE PLANS FOR NEMA T
\$	SINGLE POLE SWITCH **		POWER POLE
\$ a	SINGLE POLE SWITCH, ** a = CIRCUIT CONTROLLED	∇	WALL TELEPHONE OUTLET **
\$3	THREE WAY SWITCH **	T ^[#]	VOICE/DATA WALL OUTLET *
\$ 4	FOUR WAY SWITCH **	\ [#]	VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
\$м	MANUAL MOTOR STARTER	X ^[#]	SURFACE MOUNTED VOICE/DATA WALL OU
\$к	KEY OPERATED SWITCH **		SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY
\$	LIGHTING DIMMER **		WIRELESS ACCESS POINT (WAP) -
\$	DIGITAL ON/OFF SWITCH **	♥	CEILING MOUNTED WIRELESS ACCESS POINT (WAP) -
\$ _D		Ŷ	WALL MOUNTED - FIELD VERIFY HEIGHT
\$ _{M#}	DIGITAL MULTI SCENE LIGHTING SWITCH **	$^{[\#]}$	VOICE/DATA OUTLET - FLOOR MOUNTED
\$ s	DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **	⋬	TV OUTLET *
\$	WALL OCCUPANCY SENSOR **	(^[#]	VOICE/DATA OUTLET - CEILING MOUNTED
♦ ₂	DOUBLE SWITCHED WALL OCCUPANCY SENSOR **	S	INTERIOR SPEAKERS CEILING MOUNTED
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **	н©	
\$ 2	2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **	Ю	CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE INSTALLATION

LIGHT FIXTURE SCHEDULE

FIXTURE NOTES:

ALL LED LIGHT FIXTURE DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.

2. ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION). 3. ALL LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH

- CALIFORNIA ENERGY COMMISSION STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES. 4. EXIT SIGNS , EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A
- MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE. 5. ALL RECESSED LIGHT FIXTURES SHALL BE U.L. APPROVED FOR ZERO CLEARANCE INSULATION COVER WHEN INSTALLED IN INSULATED CEILINGS.

	STALLED IN INSULATED CEILINGS.		
TYPE	DESCRIPTION	LAMPS	MANUFACTURER
Α	4' SURFACE MOUNTED STRIP LED FIXTURE, 22-GUAGE DIE-FORMED HOUSING, WHITE POLYESTER POWDER COATED FINISH, 5300 LUMENS, 11 GUAGE WIRE GUARD, 120V	33.7W LED	H.E. WILLIAMS 76 SERIES
В	4' x 2" WALL MOUNT DIRECT/INDIRECT LED LIGHT FIXTURE, SO UPLIGHT ENGINE, SO DOWNLIGHT ENGINE, 3500 °K, FLUSH UPLIGHT DIFFUSER ALUMINUM HOUSING SC-SINGLE CIRCUIT ELECTRONIC 0-10V DIMMING DRIVER, 120V.	28W LED	FINELITE HP-2WM-ID
С	4" DIA. x 6" DEEP RECESSED LED DOWNLIGHT LIGHT FIXTURE, NEW CONSTRUCTION HOUSING, 1500 LUMENS, 3500 °K COLOR TEMPERATURE, TRIM AND REFLECTOR FINISH PER ARCHITECT, 0-10V DIMMING ELECTRONIC DRIVER, 120V.	21.6W LED	PHILIPS LIGHTOLIER C4R SERIES
CE	SAME FIXTURE AS TYPE "C" EXCEPT WITH 6W EMERGENCY BALLAST	21.6W LED	PHILIPS LIGHTOLIER C4R SERIES
D	2' SURFACE MOUNTED LED FIXTURE, 20-GUAGE DIE-FORMED HOUSING, FROSTED ACRYLIC LENS, 2600 LUMENS, 120V.	20.5W LED	H.E. WILLIAMS 11 SERIES
E	EXIT LIGHT, AL. HOUSING, EMERGENCY BATTERY BACK-UP AND BATTERY CHARGER WITH "SPECTRON" SELF TEST & EXERCISE FEATURE. GREEN LETTER ON WHITE FACE. SEE PLANS FOR No. OF FACES, ARROWS AND MOUNTING REQUIRED, CONNECT UNSWITCHED, 120V.	LED	DUAL-LITE SEMPRA SERIES
F	14"H x 7.5"D WALL MOUNTED LED FIXTURE, GUARD WITH CLEAR DOME REFLECTOR, HIGH IMPACT RESISTANT, STAINLESS STEEL SCREWS, 4000°K, 2580 LUMENS, 120V.	20W LED	CANLET LED VAPORPROOF
G	4'-0"L x 11"W SURFACE MOUNTED LED FIXTURE, VANDAL RESISTANT, DIE-CAST ALUMINUM HOUSING, SQUARE ENDS CAPS, 3500 LUMENS, °K, LED COLOR TEMPERATURE, FINISH PER ARCHITECT, 120V.	53W LED	DAY-BRITE LPL SERIES
н	14" W x 14" H PENDANT MOUNTED LED FIXTURE, METAL HOUSING, BLACK FINISH, 120V. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE DIFFERING SHAPES AND HEIGHTS. LED BULB NOT INCLUDED: PROVIDE LED VINTAGE STYLE AMBER GLASS ST19 LIGHT BULB	5.5W LED	CDS LIGHTING HANEY PENDANT

ELECTRICAL SYMBOLS & ABBREVIATIONS IATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS. PANELBOARD - FLUSH MOUNTED DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL DETAIL OR SECTION REFERENCE **EQUIPMENT PANEL - FLUSH MOUNTED** V//// E3.0/K_SHEET NUMBER PANELBOARD - SURFACE MOUNTED INDICATES QUANTITY OF TELEPHONE OUTLET FEEDER DESIGNATION; F301 (//// EQUIPMENT PANEL - SURFACE MOUNTED SEE ASSOCIATED NOTE ON SAME DETAIL 2. K____INDICATES QUANTITY OF DATA OUTLETS METER W/ CURRENT TRANSFORMER ABBREVIATIONS JUNCTION BOX - CEILING OR WALL MOUNTED, **()**/₩ AMPERE GFCI GROUND FAULT NTS SIZE PER CODE, TAPE AND TAG WIRES ABOVE FINISHED FLOOR GFI OAH AFF INTERRUPTING OC MOTOR CONNECTION ALUM/AL ALUMINUM GND, G GROUND ON CENTER ARCH ARCHITECT GRS GALVANIZED RIGID OH OVERHEAD Ъ NON-FUSED DISCONNECT SWITCH AWG AMERICAN WIRE STEEL OFCI HT HEIGHT GAUGE FUSED DISCONNECT SWITCH; FUSED WITH BKR INTERCOM OVE COUNTER -BREAKER IC PA Ľ DUAL-ELEMENT FUSES SIZED PER EQUIPMENT INTERMEDIATE CONDUIT IDF PULL BOX MFGR'S NAMEPLATE DATA DISTRIBUTION FRAME CATV CABLE TV PF CIRCUIT BREAKER CB INCANDESCENT INCAND PH PHASE DUPLEX* COMBINATION STARTER/FUSED DISCONNECT SWITCH; CLOSED CIRCUIT TV CCTV .IB JUNCTION BOX PIR FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED N N CKT CIRCUIT KILOVOLT TACLE KV PNL PANFI PER EQUIPMENT MFGRS NAMEPLATE DATA CENTER LINE KILOVOLT AMPERES VERIFY HEIGHT KVA ΡV CEILING PVC CLG KW KILOWATT POLYVINYL MAGNETIC STARTER - NEMA SIZE INDICATED CONDUIT ONLY LCP CHLORIDE C.O. LIGHTING CONTROL NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED CTR CENTER PANFI PWR POWER LTG DIMMER LIGHTING RELOCATED CIRCUIT BREAKER (R) D LE 🗶 LV LOW VOLTAGE (RP) DIM DIMENSION GROUND ROD WITH GROUNDWELL BOX KCM THOUSAND RECPT'S RECEPTACLES DISTRIBUTION DIST CIRCULAR MILS REQD REQUIRED EXISTING (E) REQMT'S REQUIREMENT(S) GROUND ELECTRODE MAIN CIRCUIT BREAKER EC ELECTRICAL CONTRACTOR M.B. SHT SHEFT JNTED EVENING LIGHT ____| |____ | (EL) MCA MINIMUM NORMALLY OPEN CONTACT SLD CIRCUIT AMPS FM EMERGENCY SYSTEMS TERMINATION STC MDF MAIN DISTRIBUTION FRAME NORMALLY CLOSED CONTACT EMT ELECTRICAL —И— CABINET MECHANICAL MECH METALLIC TUBING SW SWITCH MH METAL HALIDE ENERGY REDUCTION \boxtimes TRANSFORMER - SEE SINGLE LINE FOR SIZE ERMS SWBD MI O MAIN LUGS ONLY MAINTENANCE SWITCH TTB MAIN POINT OF ENTRANCE MPOF \square BACKBOARD PULLBOX EQUIP EQUIPMENT MTD MOUNTED TYP TYPICAL ELECTRICAL VEHICLE MTG MOUNTING FV UON \bigcirc MOCP MAXIMUM OVER FRMS FIRE ALARM FA CURRENT PROTECTION UG FIRE ALARM FACP VOI T (N) NFW FLEX CONDUIT WITH CONNECTION CONTROL PANEL NIC NOT IN CONTRACT VD FOOT CANDLE EMA TYPE 🛠 WATT CONDUIT - UP NIEC NOT IN ELECTRICAL W/ FIN FINISH WITH CONTRACT FLOOR CONDUIT - DOWN WP NIGHT LIGHT (NL) FULL LOAD AMPS FLA XFMR NO. NUMBER FLUOR FLUORESCENT ----- E ----- CONDUIT EMERGENCY SYSTEM NOM NOMINAL FUTURE ----- LV------ LOW VOLTAGE WIRING GENERAL CONTRACTOR FIRE ALARM SURFACE METAL OR NON-METALLIC RACEWAY NOTE: SEE FIRE ALARM DRAWINGS FOR QUANTITIES AND MOUNTING HEIGHTS. CONDUIT - CONCEALED IN WALLS OR CEILING ALL OUTLET 🗙 APS AUXILIARY POWER SUPPLY P MANUAL PULL STATION DUCT SMOKE DETECTOR ----- CONDUIT - EXISTING X STROBE ONLY ---- CONDUIT - BELOW SLAB OR \bigcirc TAMPER SWITCH ERIFY HEIGHT FSA FIRE SYSTEM ANNUNCIATOR UNDERGROUND: 3/4"MIN. FTR FIRE ALARM TRANSPONDER HORN ONLY CAPPED OR STUB-OUT CONDUIT FLOW SWITCH OR TRANSMITTER CONDUIT CONTINUATION ----POST INDICATING VALVE MINI HORN ESR ELEVATOR STATUS/RECALL CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 HORN/STROBE FIRE SMOKE DAMPER FAC FIRE ALARM COMMUNICATOR AWG WIRES WHEN MORE THAN TWO. SIZE

CHIME/STROBE

HEAT DETECTOR

SMOKE DETECTOR

CO CARBON MONOXIDE ALARM

NOTE ON SAME SHEET APPLICABLE CODES & STANDARDS

SIZE OTHER THAN #12 AWG.

CODES:

- 1. 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
- 2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.

CONDUIT ACCORDING TO SPECIFICATIONS

AND APPLICABLE CODE. CROSS HATCHES

WITH NUMBER ADJACENT INDICATES WIRE

SEE ASSOCIATED NOTE ON SAME SHEET

SCHEDULE SYMBOL; SEE ASSOCIATED

SHEET NOTE REFERENCE SYMBOL;

- 2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
- 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE
- 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS. . 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018
- UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS. 2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
- 2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018
- INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
- 8. 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
- 9. 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
- 10. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. 11. NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
- 12. COUNTY OF MONTEREY ORDINANCES, CODES, AND REGULATIONS.

STANDARDS:

- . AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- 2. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
- 3. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- 4. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
- 5. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
- 6. UNDERWRITER LABORATORIES (UL)
- 7. CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

BELL (GONG)

- E0.1 SYMBOLS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE, CODES. STANDARDS. NOTES & SHEET INDEX.
- E0.2 CALIFORNIA ENERGY COMPLIANCE TITLE 24
- E1.1 ELECTRICAL SINGLE LINE DIAGRAM AND PANELBOARD
- SCHEDULE
- E4.1 FIRST FLOOR POWER & SYSTEMS PLAN.
- E4.2 SECOND FLOOR POWER & SYSTEMS PLAN.
- E4.3 CLERESTORY POWER & SYSTEMS PLAN.
- E5.1 FIRST FLOOR LIGHTING PLAN.

(BUILDING INTERIOR).

- E5.2 SECOND FLOOR & CLERESTORY LIGHTING PLANS
- E6.1 ELECTRICAL DETAILS.
- E6.2 ELECTRICAL DETAILS.
- E7.1 ELECTRICAL SPECIFICATIONS.
- E7.2 ELECTRICAL SPECIFICATIONS.

NOT TO SCALE OVERALL HEIGHT

OWNER FURNACED CONTRACTOR INSTALLED PUBLIC ADDRESS POWER FACTOR

PASSIVE INFRARED PHOTOVOLTAIC

REMOVABLE POLE SINGLE LINE DIAGRAM

SWITCHBOARD TELEPHONE TERMINAL

UNLESS OTHERWISE NOTED UNDERGROUND VOLTAGE DROP

WEATHERPROOF TRANSFORMER

ANN REMOTE ANNUNCIATORS FCP FIRE ALARM CONTROL PANEL EOL END OF LINE

***** +15" A.F.F. TO BOTTOM OF BOX, U.O.N. ****** +48" A.F.F. TO TOP OF BOX, U.O.N. [#] NUMBER IN BRACKETS DENOTES NUMBER OF CABLE DROPS WHEN MORE THAN (2).



2340 GARDEN ROAD, SUITE 100 MONTEREY, CALIFORNIA 93940 PHONE: 831.649.4642

FAX: 831.649.3530 WWW.WRDARCH.COM

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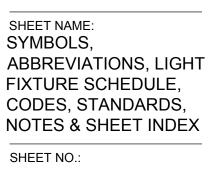
JOB NO.

22084 PRINT DATE:

PLOT DATE: 7.18.2023 DRAWN BY:

CHECKED BY: SET ISSUED:

PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23





FILE NAME

STATE OF CALIFORNIA	L .												
Indoor Light	ing												Contraction of the second
NRCC-LTI-E (Created 0	94/21)										CALIFORNIA EN	ERGY	
CERTIFICATE OF C	COMPLIANCE												NRCC-LTI-E
This document is	used to demons	trate complianc	e with reauireme	ents in §110.9.	<u>§11</u>	0.12(c), §130.0,	§1 3	30.1, §140.6, and	d §141.0(b)2 for	in	door liahtina scor	oes u	sina the
prescriptive path.		,	,						<u> </u>		5 5 ,		5
Project Name:	Moss Landing H	arbor District N	orth Harbor Build	ding Warm Sh	ell	Re	epo	rt Page:					Page 1 of 7
Project Address:	7881 Sanholt Ro	ł.				Da	ate	Prepared:					11/22/22
A. GENERAL INF	ORMATION												?
01 Project Loca			Moss	Landing		04 Total	Cor	nditioned Floor	Area (ft ²)		1.	508	
02 Climate Zon				3			1	conditioned Floo			,		
	Types Within Pro	piect (select all t	hat apply):	-				ies (Habitable Al					
Office		Retail		Warehouse				Notel	School			ort A	Areas
Parking Ga	rage] High-Rise Re		Relocatable		Heal	•			in):			
	-] = (•
B. PROJECT SCC													2
Table Instructions		÷ /							÷ .		÷	•	
<u>§140.6</u> or <u>§141.0(</u>				lculation Meth	nod i	n this table will i	resi	ult in the deletio	n of data previo	usl	y input. If you ne	ed to	o change the
calculation metho		-	se "Save As".			e !!.!							
		e of Work				Conditioned	i Sp				Unconditioned	i Spa	
		01	-			02		03		162	04		05
	Project Consists	of (check all tha	it apply):	(Calcu	ulation Method		Area (ft ²	²) Ca	lcu	llation Method		Area (ft ²)
New Lighting	g System												
													1
Altered Light	ting System				Ar	ea Category		1,508					
		То	tal Area of Work	(ft ²)		1,508	B						
C. COMPLIANCE													2
Table Instructions	s: If any cell on ti	-				with Exceptional	I Co	-				1055	1200 - 2000 - 4000
Lighting in			ting Power per §		tts)	r		-	ing Power per	§14		Co	mpliance Results
conditioned and	01	02	03	04		05		06	07		08		09
unconditioned			Area Category						Adjustments				
spaces must not	Complete	Area Category	Additional	Tailored			≥	Total	PAF Control		Total Adjusted		
be combined for	Building	§140.6(c)2	§140.6(c)2G	<u>§140.6(c)3</u>	=	Total Allowed		Designed	Credits	=	(Watts)		05 Must be≥08
compliance per	<u>§140.6(c)1</u>		(+)	(+)		(Watts)		(Watts)	<u>§140.6(a)2</u>		*Includes		<u>§140.6</u>
<u>§140.6(b)1</u> .	10 T 1 1	(a		(a	_			(a	(-)		Adjustments		
	(See Table I)	(See Table I)	(See Table J)	(See Table K				(See Table F)	(See Table P)				
Conditioned:		969.6	-		=	969.6	≥	903.2		=	903.2		COMPLIES
Unconditioned:					=		≥			=			

spaces must not be combined for compliance per §140.6(b)1.	Complete Building §140.6(c)1	Area Category §140.6(c)2	AI
	(See Table I)	(See Table I)	(
Conditioned:		969.6	
Unconditioned:			
Table Continued			

STATE OF CALIFORNIA

Indoor	Lighting
NRCC-LTI-E (Created 04/21)

CERTIFICATE OF COMPLIANCE

Project Name: Mos	s Landing Har	bor District North Harbor Building Warm Shell	Report Page:				Page 4 of
Project Address: 788	1 Sanholt Rd.		Date Prepared:				11/22/
Mechanical Room	Room enclos	sed by ceiling height partitions that has less than 2 luminare	s. Exception 1 to 130.1	(B)			
Storage	Room is less	than 100 Sq. General to 130.1 (B)					
LUGHTING POWER		CE: COMPLETE BUILDING OR AREA CATEGORY METHO	DDS				[
		ble for each area complying using the Complete Building or <i>i</i>		per §140.6	b). Indicate if	additional lighting	
		nents per <u>§140.6(a)</u> are being used.		F <u>9</u> ,	<u></u> ,		F = = .
Conditioned Spaces							
01		02	03	04	05	06	;
Area Descrip	tion	Complete Building or Area Category Primary Function Area	Allowed Density	Area (ft ²)	Allowed Wattage	Additional Al Adjustr	
~		rinnary runction Area	(W/ft ²)	(11-)	(Watts)	Area Category	PAF
Restroom	S	Restroom	0.65	802	521.3		
Vestibule	9	Main Entry Lobby (Low Vision)	0.85	184	156.4		
Janitor		All Other Space Types	0.4	32	12.8		
Mechanic	al	Electrical, Mechanical, Telephone Rooms	0.4	228	91.2		
Stairs		Stairwell	0.5	263	131.5		
Storage		All Other Space Types	0.4	141	56.4		
			TOTAL:	1,650	969.6	See Tables J o	r P for detail
						<u>.</u>	
J. ADDITIONAL LIGH	ITING ALLOV	VANCE: AREA CATEGORY METHOD QUALIFYING LIGH	TING SYSTEM				
This Section Does Not	Apply						
							C.
K. TAILORED METH	OD GENERAL	L LIGHTING POWER ALLOWANCE					

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

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING This Section Does Not Apply

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

STATE OF CALIFORNIA			
Indoor Lighting			(a)
NRCC-LTI-E (Created 04/21)			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANC	E		NRCC-LTI-E
Project Name: Moss Land	ing Harbor District North Harbor Building Warm Shell	Report Page:	Page 7 of 7
Project Address: 7881 Sanho	olt Rd.	Date Prepared:	11/22/22
DOCUMENTATION AUTHO	OR'S DECLARATION STATEMENT		2
I certify that this Certificate of	of Compliance documentation is accurate and complete		
Documentation Author Nam	e: Eldridge O. Bell	Documentation Author Signature:	Uddy 0. El
Company:	Aurum Consulting Engineers	Signature Date:	11/22/22
Address:	404 W. Franklin St., Suite 100	CEA/ HERS Certification Identification	n (if applicable):
City/State/Zip:	Monterey, CA 93940	Phone:	831-646-3330
RESPONSIBLE PERSON'S DEC	CLARATION STATEMENT penalty of perjury, under the laws of the State of Califo	rnia:	
	I on this Certificate of Compliance is true and correct.		
2. I am eligible under Divisio	on 3 of the Business and Professions Code to accept resp	oonsibility for the building design or syst	tem design identified on this Certificate of
Compliance (responsible	designer)		
	performance specifications, materials, components, and conform to the requirements of Title 24, Part 1 and Par	÷	÷ · ·
compliance documents, v	res or system design features identified on this Certifica vorksheets, calculations, plans and specifications submit	tted to the enforcement agency for app	roval with this building permit application.
5. I will ensure that a compl	eted signed copy of this Certificate of Compliance shall I	be made available with the building per	mit(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. Meller O. Bold Responsible Designer Signature: Eldridge O. Bell Responsible Designer Name: Aurum Consulting Engineers Date Signed: Company : 404 W. Franklin St., Suite 100 Address: License: City/State/Zip: Monterey, CA 93940 Phone:

NRCC-LTI-E

April 2021

		?
		?

April 2021

igner Signature:	adary 0. 600	
	11/22/22	
	E17789	
	831-646-3330	

STATE OF CALIFORNIA Indoor Lighting

NRCC-LTI-E (Created 04/21)

CERTIFICATE OF COMPLIANCE

Project Name: Moss Landing Harbor District North Harbor Building Warm Shell Report Page: Date Prepared: **Controls Compliance (See Table H for Details**

Rated Power Reduction Compliance (See Table Q for Details)

Report Page:

Date Prepared:

D. EXCEPTIONAL CONDITIONS

Project Address: 7881 Sanholt Rd.

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. Table H Indoor Lighting Controls Permit Applicant Notes:

Janitor: Room is less than 100 Sq. General to 130.1 (B) Mechanical Room: Room enclosed by ceiling height partitions that has less than 2 luminares. Exception 1 to 130.1 (B) Storage: Room is less than 100 Sq. General to 130.1 (B)

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

F. INDOOR LIGHTING FIXTURE SCHEDULE Table Instructions: Include all permanent designed lighting and all portable lighting in offices. Designed Wattage: Conditioned Spaces 01 03 04 05 06 02 07 Modular Small Aperture Watts per How Wattage is Total number Exem Name or Complete Luminaire Description Item Tag (Track) Fixture & Color Change¹ luminaire² determined luminaires §14 Α Standard Strip LED Fixture 33.7 Mfr. Spec² В Wall Mount Direct/Indirect 28 Mfr. Spec² 4 С Mfr. Spec² Deep Recessed LED Downlight 21.6 30 D Surfaced Mount LED Fixture 20.5 Mfr. Spec² 4 Н Pendant Fixture 5.5 Other 5 Total Designed Watts CONDITIONED SPACES: 903.2

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per <u>§140.6(a)4B</u> is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05. ² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>§130.0(c)</u> Wattage used must be the maximum rated for the luminaire, not the lamp.

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

STATE OF CALIFORNIA Indoor Lighting

NRCC-LTI-E (Created 04/21)

CERTIFICATE OF COMPLIANCE Project Name: Moss Landing Harbor District North Harbor Building Warm Shell Project Address: 7881 Sanholt Rd.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table E. Add	ditional Ren	ctions have been made based on information provided in previous tables of this document. If any selection need narks. These documents must be provided to the building inspector during construction and can be found online /2019_compliance_documents/Nonresidential_Documents/NRCI/
YES	NO	Form/Title
۲	0	NRCI-LTI-01-E - Must be submitted for all buildings
0	۲	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System recognized for compliance.
0	۲	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a room, a multipurpose room, or a theater to be recognized for compliance.
0	۲	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.

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

April 2021 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

LIFORNIA ENERGY C		
		CC-LTI-E
		ge 2 of 7
	1	1/22/22
IES with Except	ional Cor	ditions
Not Applica	able	
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U U	Pass	Fail
33.7		
112		
	IES with Exception	Pa IES with Exceptional Cor Not Applicable 09 1 Design Watts Field In Pass 33.7

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April 2021

CALIFORNIA E	NERGY COMMI	
		NRCC-LTI-E
		Page 5 of 7
		11/22/22
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ds to be changed, p e at <u>https://ww2.en</u>		
	Field In	spector
	Pass	Fail
m (EMCS), to be		
a conference		

STATE OF CALIFORNIA Indoor Lighting

NRCC-LTI-E (Created 04/21) CERTIFICATE OF COMPLIANCE

Project Name: Moss Landing Harbor District North Harbor Building Warm Shell Report Page: Project Address: 7881 Sanholt Rd. Date Prepared:

G. MODULAR LIGHTING SYSTEMS This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

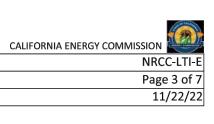
Building Level Control	s								
	01				02			03	
	Mandatory Demand Response			Shut-O	off Controls			Field Insp	oector
	<u>§110.12(c)</u>				<u>30.1(c)</u>		F	Pass	Fail
	Not Required ≤ 10,000 SF			See Area/Spa	ce Level Control	s			
Area Level Controls									
04	05	06	07	08	09	10	11	1	2
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls	Shut-Off Controls	Primary/Skylit Daylighting	Secondary Daylighting	Interlocked Systems	Field In	
			<u>§130.1(b)</u>	<u>§130.1(c)</u>	<u>§130.1(d)</u>	<u>§140.6(d)</u>	<u>§140.6(a)1</u>	Pass	Fail
Restrooms	Restroomn	Manual ON/ Manual ON/OFF OFF	Dîmmeer	Occ.:Sensopr	NAA	NAA			
Vestibule	Main:Entry:Lobby(Low/Vision))	Manual ON/ Manual ON/OFF OFF	Dîmmeer	Auto Auto Timeswitch Timeswitch	NAA	NAA			
Janitor	AllOtherSpaceTypess	Manual ON/ Manual ON/OFF OFF	Exempt*	Occ.Sensor	NAA	NAA			
Mechanical Room	Electrical, Mechanical, Telephone Electrical, Mechanical, Telephone Roc Rooms	Manual ON/ Manual ON/OFF OFF	Exempt**	Exempt*	NAA	NAA			
Stairs	Stairwell	AuthhPersonel	Dîmmeer	OcceSensor	NAA	NAA			
Storage	AllOtherSpaceTypess	Manual ON/ Manual ON/OFF OFF	Exempt*	Occ.Sensor	NIAA	NAA			
NOTES: Controls with	a * require a note in the space below	explaining how com	pliance is achiev	ved.		1	3		
	nary/Skylight Daylighting: Exempt beca				PI	an Sheet Show	ing Daylit Zon	nes:	

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

NRCC-LTI-E (Cr	eated 04/21)		CALIFORNIA ENERGY CO
CERTIFICAT	. ,		
Project Nan	ne: Moss	s Landing Harbor District North Harbor Building Warm Shell Report Page:	
Project Add	ress: 7881	1 Sanholt Rd. Date Prepared:	
0	۲	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized fo compliance.	r
	-		
Table Instru	ctions: Sele	F REQUIRED CERTIFICATES OF ACCEPTANCE ections have been made based on information provided in previous tables of this document. If any selection needs to be	
Table Instru Table E. Add	ctions: Sele litional Ren		me must be compl
Table Instru Table E. Add	ctions: Sele litional Ren	ections have been made based on information provided in previous tables of this document. If any selection needs to be marks. These documents must be provided to the building inspector during construction and any with "-A" in the form ne nician Certification Provider (ATTCP). For more information visit: <u>http://www.energy.ca.gov/title24/attcp/providers.htm</u>	me must be compl
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Table Instru Table E. Adu Acceptance	ctions: Sele ditional Ren Test Techn	ections have been made based on information provided in previous tables of this document. If any selection needs to be marks. These documents must be provided to the building inspector during construction and any with "-A" in the form ne nician Certification Provider (ATTCP). For more information visit: <u>http://www.energy.ca.gov/title24/attcp/providers.htm</u>	me must be compl
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Table Instru Table E. Add Acceptance YES O	ctions: Sele ditional Ren Test Techn NO	ections have been made based on information provided in previous tables of this document. If any selection needs to be marks. These documents must be provided to the building inspector during construction and any with "-A" in the form no nician Certification Provider (ATTCP). For more information visit: <u>http://www.energy.ca.gov/title24/attcp/providers.htm</u> Form/Title NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls. NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	me must be compl

April 2021

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



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April 2021

OMMI	NRCC-LTI-E Page 6 of 7 11/22/22					
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April 2021



2340 GARDEN ROAD, SUITE 100 MONTEREY, CALIFORNIA 93940 PHONE: 831.649.4642

FAX: 831.649.3530 WWW.WRDARCH.COM

THE USE OF THE PLANS AND SPECIFICATIONS IS THE USE OF THE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED, AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH THE ARCHITECT, AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE PESTRICTIONS

ACCEPTANCE OF THESE RESTRICTIONS.



	MOSS LANDING HARBOR DISTRICT	AURUM CONSULTING ENGINEERS
	HIGHWAY ONE, MOSS LANDING CA 95039	404 W. Franklin St. Suite 100 • Monterey, CA 93940 T.831.646.3330 • F.831.646.3336 • www.acemb.com
	MOSS LANDING HARBOR DISTRICT	THE USE OF THE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED, AND PUBLICATION
3 CA 95039	7881 SANHOLT ROAD, MOSS LANDING CA 95039	THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REUSE, REPRODUCTION OF PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE
0	A.P.N. NO.: 413-002-00(3 & 5)-000	TO THE PLANS AND SPECIFICATIONS REMAINS WITH AURUM CONSULTING ENGINEERS, INC, AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS

JOB NO. 22084 PRINT DATE: PLOT DATE: 7.18.2023 DRAWN BY: CHECKED BY: SET ISSUED: PLAN CHECK SUBMITTAL: 12/16/22 BACKCHECK SUBMITTAL: 7/10/23 BID SET 10/1/23

SHEET NAME: CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING INTERIOR)

SHEET NO .:

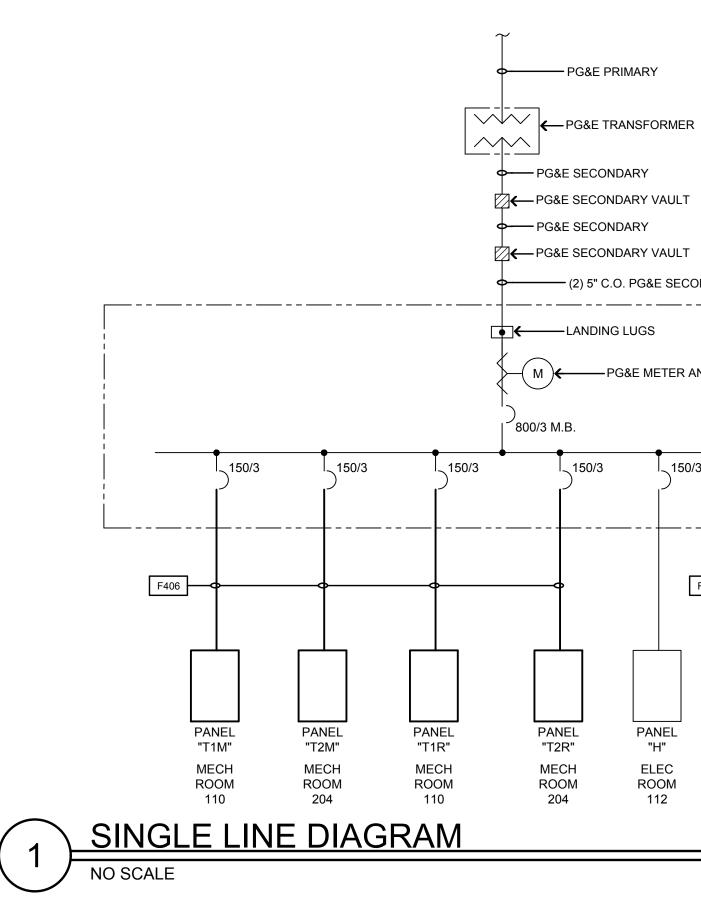


		PH	ENOLIC LAE	BELS FOR ELECTRIC	AL SERVIC
COLOR	SIZE	LINE 1	LINE 2	LINE 3	
WHITE	1.5"X6"	PANEL "T1M"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER
WHITE	1.5"X6"	PANEL "T2M"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER
WHITE	1.5"X6"	PANEL "T1R"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER
WHITE	1.5"X6"	PANEL "T2R"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER
WHITE	1.5"X6"	PANEL "H1"	225A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER

ICE EQUIPMENT

LINE 4 PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND

Wire:4WType:NEMA IMains:M.L.O.	Ø				1 2		PA	١E	L '	T1R	8	1
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SPARE SPARE						20/1 20/1	17 19		Ē	18 20	20/1 20/1	
STINGER LEG SPARE						- 20/1	21 23	H		22 24	- 20/1	
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SPACE ONLY						-	31		Ħ	32	-	
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SPACE ONLY STINGER LEG						-	37 39			38 40	-	
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Voltage: 120/240V,34 Wire: 4W Type: NEMA Mains: M.L.O.	<u>ب</u>				1 2		PAN	١E	Ľ	T1N	1	1
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LTG - SITE LTG - SITE STINGER LEG LTG - SITE EF-2 STINGER LEG LTG - SITE RECEPT - BUILDING EX	TERIOR		667 540		90	- 20/1 20/1	17 19			18 20	20/1	358
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LTG - SITE LTG - SITE STINGER LEG LTG - SITE EF-2 STINGER LEG LTG - SITE RECEPT - BUILDING EX STINGER LEG FACP POWER SUPPLY LIGHTING CONTROL PA STINGER LEG SPARE SPARE STINGER LEG FIRE ALARM BELL RECEPTS - TTB		1	540 500 360 3402 EXISTING BR	EAKER, NEW	500 500 500 500 500 360 2485	- 20/1 20/1 - 15/1 20/1 - 20/1 20/1 - 15/1 20/1 -	 17 19 21 23 25 27 29 31 33 35 37 39 			18 20 22 24 26 28 30 32 34 36 38 40	20/1 - 20/1 20/1 - 20/1 20/1 20/1 20/1 -	358 429 248 186 308



		Bussing: 225A	$\neg \top$	Voltage: 20/240V,3ø												Bussing: 225
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		1			1 SUBMITTAL S	5HALL MATCH	EXACT BREA									
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		Feed: BOTTOM		Wire: 4W			1 2]	PAN	IEL	T2N	1				Feed: BO
		Mounting:SURFACEA.I.C.42,000		Type:NEMA Mains:M.L.O.]			Mounting:SURA.I.C.42,
В	С	Load	-	Load	A	В	С	Bkr	Ck	abc	Ck	Bkr	A	В	С	
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2427	2427	CU-1		F-5			1587	20/1	5	┝┼┥	6	30/3		2427	2427	CU-4
2427		CU-2 CU-2	_	F-G STINGER LEG	1587			- 20/1	79	• •-	8	30/3	2427	2427		CU-5 CU-5
	2427	CU-2		SPARE				20/1	11		12	1	0.407		2427	CU-5
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					1 SUBMITTAL S 2 LABEL PANEL											
		Total Connected Load KVA 26.6	~	KVA Phase A 10.5 KVA Phase B 7.3												Total Connector
		Total Load Amperes 64		KVA Phase C 8.9												Total Connected Total Load Ampe
		Bussing: 225A		Voltage: 20/240V,3ø												Bussing: 225
		Feed:BOTTOMMounting:SURFACE	-	Wire: 4W Type: NEMA I			1 2		ΡΑ	NEL	. H1					Feed: BOT Mounting: SUF
		A.I.C. 42,000		Mains: M.L.O.]			A.I.C. 42,
В	С	Load		Load	A	В	С	Bkr	Ck	abc	Ck	Bkr	A	В	С	
1000		ELEV. SUMP. ELEV. SUMP.	1	EF- I STINGER LEG	828			20/1	 3	• •-	2	- 20/1				SPARE STINGER LEG
	1000	ELEV. SUMP. RECEPT CLERESTORY 3RD FL	1	HP-1	180		1725	25/I 20/I	5	┝┼┿	6	20/1 20/1				SPARE SPARE
		STINGER LEG	1	EXTERIOR RECEPTACLE STINGER LEG	100			20/1	9	• •-	8 10	-				STINGER LEG
	180	RECEPT - ELECT. ROOM SECURITY PANEL		ELEV. LIGHT ELEV. CONVEN. RECEPT.	180		68	20/1	11	 4	12 14	20/1 20/1				SPARE SPARE
		STINGER LEG		STINGER LEG	100			-	15	┝╋┤	16	-				STINGER LEG
	300	FACP LTG - BUILDING EXTERIOR	2	ELEV. CONTROL SPARE			300	20/1 20/1	17 19	+ 	18 20	20/1 20/1				SPARE SPARE
		STINGER LEG	╡┃	STINGER LEG				-	21	┣╋┨	22	-				STINGER LEG
	4	LTG - BUILDING EXTERIOR LTG - BUILDING EXTERIOR	_	SPARE SPARE				20/1 20/1	23 25	+• 	24 26	20/1 20/1				SPARE SPARE
	640	STINGER LEG LTG - BUILDING EXTERIOR		STINGER LEG SPACE ONLY				-	27		28	-				STINGER LEG SPACE ONLY
	540	LTG - ELECTRICAL ROOM		SPACE ONLY				-		•	32	-				SPACE ONLY
		STINGER LEG LTG - SECOND FLOOR	-	STINGER LEG SPACE ONLY				-	33 35		34 36	-				STINGER LEG SPACE ONLY
	806						1	-	1 ~ 1	1 I T	1 0	1 -				
	806	LTG - CLERESTORY		SPACE ONLY				-			38	-				SPACE ONLY
	806 78								37 39 41	• -•	40	-				SPACE ONLY STINGER LEG SPACE ONLY

MAIN ELECTRICAL SWITCHBOARD "MSB" (2) 5" C.O. PG&E SECONDARY 120/240V, 3Ø, 4W, NEMA 1, 42000 AIC, 800A. -(M) ← PG&E METER AND C.T.S GT 150/3 60/2 _ 150/3 225/3 ____ - - - _ _ - - +____ - - - _ _ - - _ _ - -_____ 1"C.O.—— (E) CONDUIT WITH F409 NÉW 3 #1/0 & 1 #6 GND. 2 F306 Ď. PANEL "H" PANEL LIFT STATION ELEVATOR "H1" CONTROL PANEL ELEC ROOM 112 ELEC ROOM 112

/A Phase A /A Phase B

Total Connected Load KVA14.1Total Load Amperes34

FEEDER SCHEDULE					
DESIGNATIO	N AMPACITY	CONDUIT & CONDUCTORS SIZES			
F306	150	1 1/2" C., 3 #1/0 & 1 #6 GND.			
F406	150	2" C., 4 #1/0 & 1 #6 GND.			
F409	225	2 1/2" C., 4 #4/0 & 1 #4 GND.			

DETAIL NOTES: _____

1. PROVIDE PULLBOX AT STUBBED LOCATION.

2. ROUTE TO FACP.

SINGLE LINE DIAGRAM LEGEND

XISTIN
IEW)
) FLOC
I) FLOC

ING)

OOR/PAD MOUNTED EQUIPMENT OOR/PAD MOUNTED EQUIPMENT

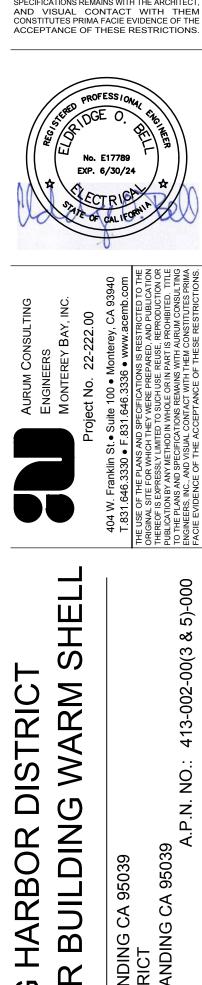
Bussing:	225A
Feed: Mounting:	BOTTOM SURFACE
A.I.C.	42,000
	Load
STINGER LI	DND FLOOR
	R - RESTROOM
	R - RESTROOM
STINGER LI	ĒG
SPARE	
SPARE STINGER LI	=0
SPARE	-0
SPARE	
STINGER LI	ĒG
SPARE SPARE	
STINGER LI	=G
SPACE ON	
SPACE ON	LY
STINGER LI	
SPACE ON	
SPACE ON STINGER LI	
SPACE ON	
Total Conn Total Load	ected Load KVA 3.5 Amperes 8
Bussing	225^
Bussing: Feed:	225A BOTTOM
Mounting:	SURFACE
A.I.C.	42,000
	1 1
CU-4	Load
CU-4 CU-4	
CU-4	
CU-5	
CU-5	
CU-5	
CU-6	
CU-6 CU-6	
CU-6 SPACE ON	LY
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Total Load	ected Load KVA 26.6 Amperes 64
Bussing: Feed:	225A BOTTOM
Mounting:	SURFACE
A.I.C.	42,000
	Load
SPARE	
STINGER LI	EG
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SPARE STINGER LI SPACE ON STINGER LI SPACE ON STINGER LI SPACE ON	EG LY LY EG LY ected Load KVA 3.3



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JOB NO. 22084

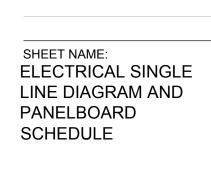
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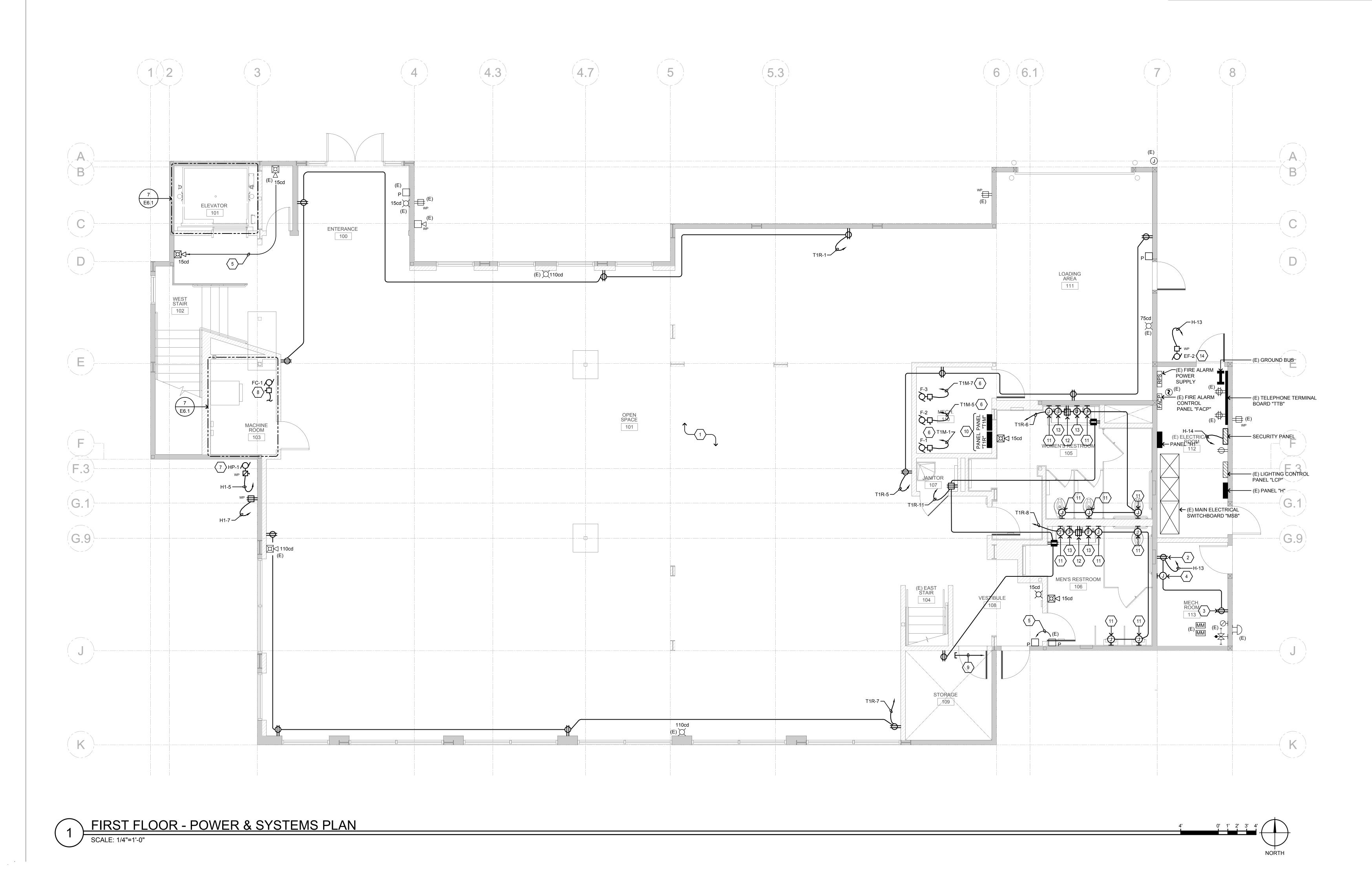
7.18.2023





SHEET NO .:





○ SHEET NOTES

- 1. ALL EXISTING CEILING & WALL MOUNTED DEVICES SHALL BE REMOVED, SALVAGED AND REINSTALLED TO BE FLUSH WITH NEW WALL/CEILING FINISH.
- 2. LOCATE FOR CIRCULATION PUMP. PROVIDE AND INSTALL CORD & PLUG. SEE MECHANICAL.
- 3. LOCATE FOR WATER SOFTENER. SEE MECHANICAL.
- 4. WATER HEATER, 120V. SEE MECHANICAL.
- 5. RELOCATE (E). EXTEND (E) CONDUIT & CIRCUIT AS NEEDED.
- 6. GAS FIRED EQUIPMENT, 3/4 HP, 9.6 MCA, 15 MOCP, 120V.
- 7. SPLIT SYSTEM HEAT PUMPS, 15.0 A, 120V. PROVIDE STAINLESS STEEL (S.S.) DISCONNECT.
- 8. CONNECT VIA HP-1.
- 9. SPARE 2"C.O. FROM TELEPHONE TERMINAL BOARD 'TTB".
- 10. CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR SO THAT NO FOREIGN
- EQUIPMENT IS ABOVE ELECTRICAL PANELS. 11. PROVIDE AND INSTALL JUNCTION BOX OUT OF DIRECT LINE OF SIGHT; STUB 1/2" C. INTO ACCESSIBLE CEILING SPACE FOR HARD WIRING OF ELECTRONIC URINAL, WATER CLOSET & SINK FAUCET TRANSFORMER. TRANSFORMER SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACE; VERIFY EXACT
- REQUIREMENTS WITH PLUMBING DRAWINGS PRIOR TO ROUGH-IN AND INSTALLATION.
- 12. LOCATE FOR SOAP DISPENSER.
- 13. LOCATE FOR HAND DRYER SPOUT. 14. EXHAUST FAN, 1/4 HP, 5.8 FLA, 120V.



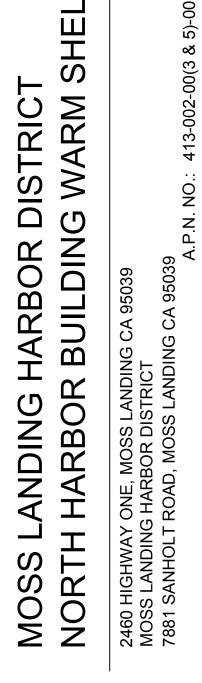
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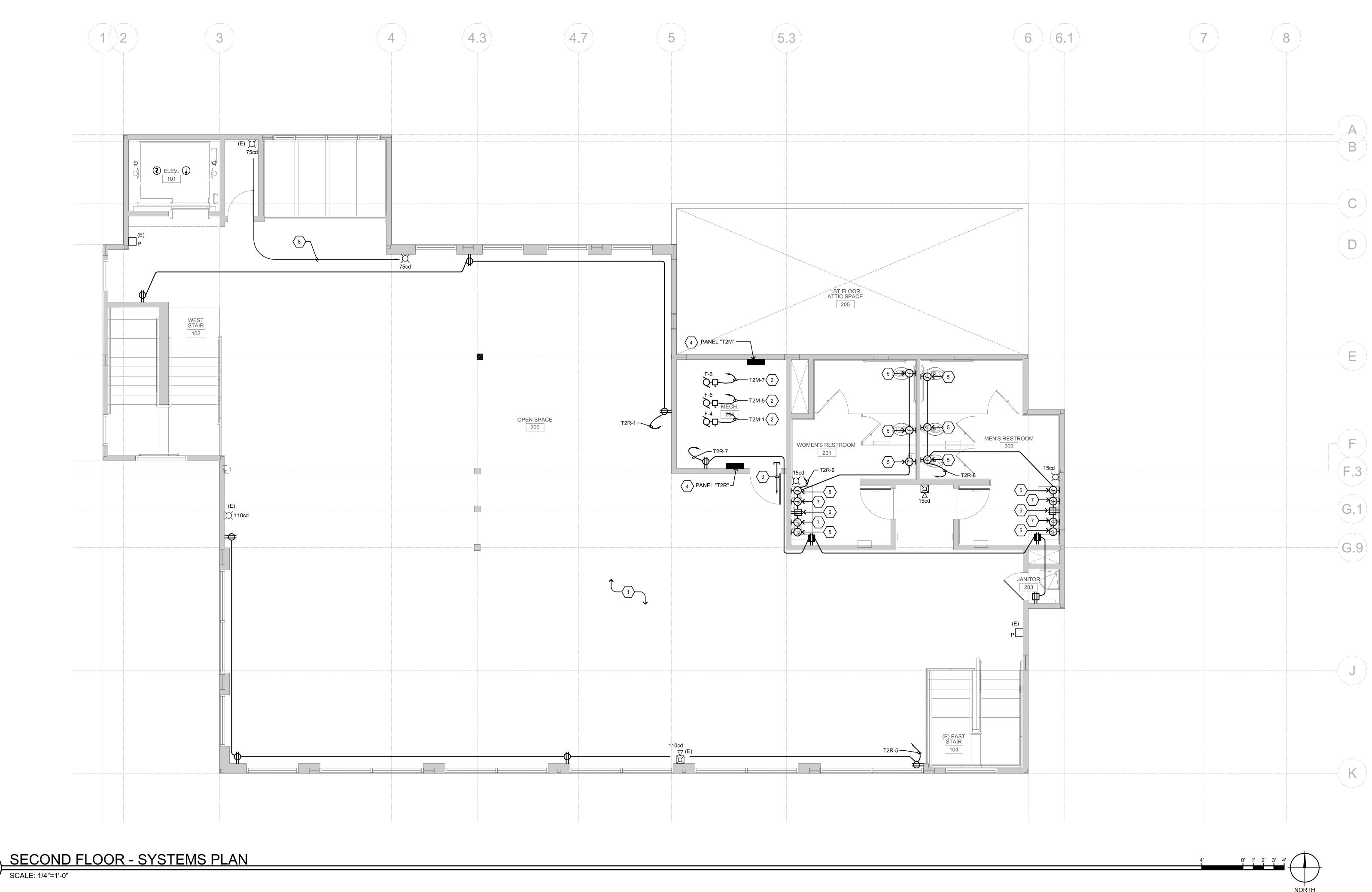
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○ SHEET NOTES

- 1. ALL EXISTING CEILING & WALL MOUNTED DEVICES SHALL BE REMOVED, SALVAGED AND REINSTALLED TO BE FLUSH WITH NEW WALL/CEILING FINISH.
- 2. GAS FIRED EQUIPMENT, 3/4 HP, 9.6 MCA, 15 MOCP, 120V.
- 3. SPARE 2"C.O. FROM TELEPHONE TERMINAL BOARD 'TTB".
- 4. CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR SO THAT NO FOREIGN EQUIPMENT IS ABOVE ELECTRICAL PANELS.
- 5. PROVIDE AND INSTALL JUNCTION BOX OUT OF DIRECT LINE OF SIGHT; STUB 1/2" C. INTO ACCESSIBLE CEILING SPACE FOR HARD WIRING OF ELECTRONIC URINAL, WATER CLOSET & SINK FAUCET TRANSFORMER. TRANSFORMER SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACE; VERIFY EXACT REQUIREMENTS WITH PLUMBING DRAWINGS PRIOR TO ROUGH-IN AND INSTALLATION.
- 6. LOCATE FOR SOAP DISPENSER.
- 7. LOCATE FOR HAND DRYER SPOUT.
- 8. RELOCATE (E). EXTEND (E) CONDUIT & CIRCUIT AS NEEDED.



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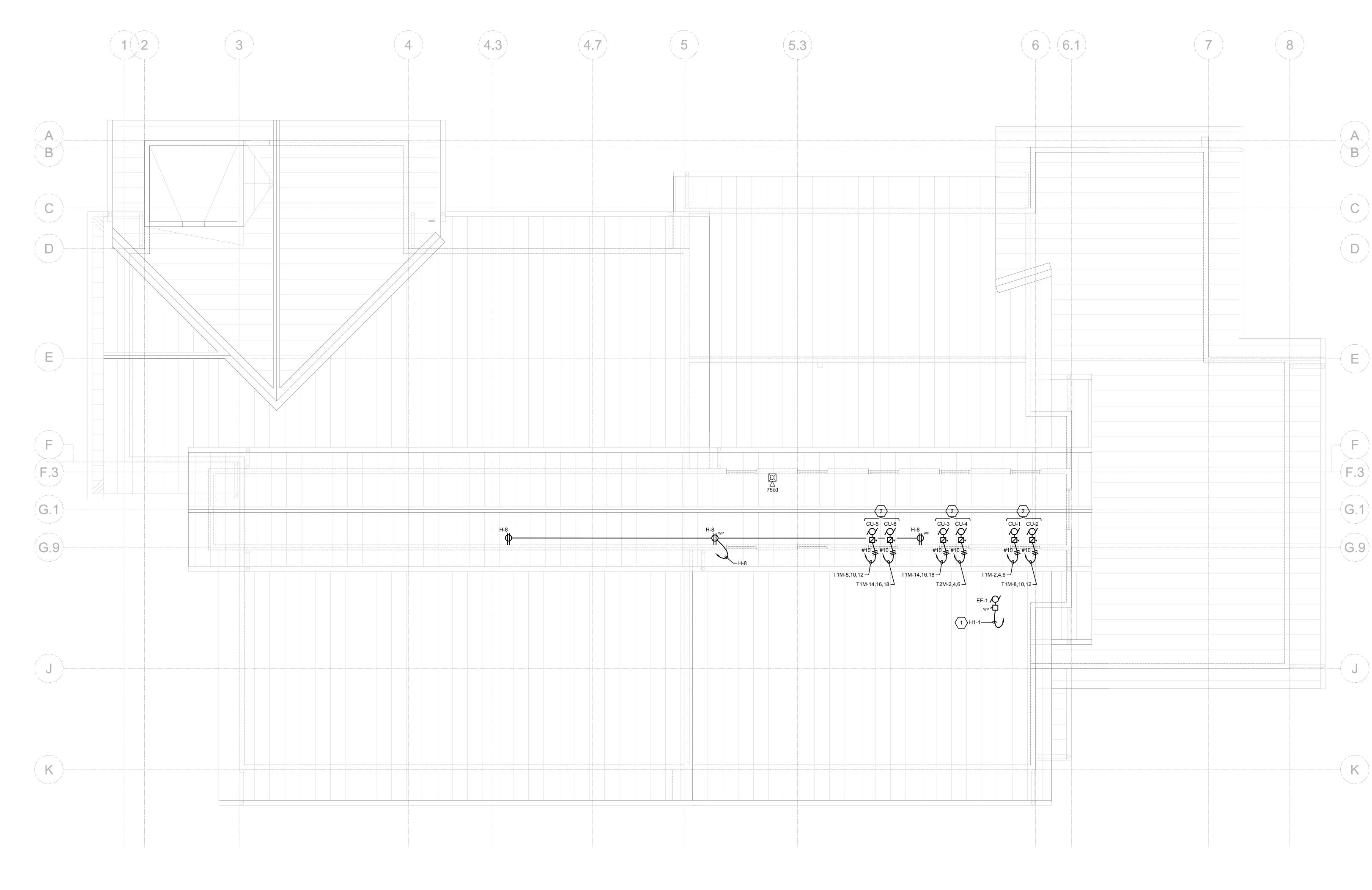
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SHEET NO .:

E4.2



CLERESTORY - POWER & SYSTEMS PLAN

SCALE: 1/4"=1'-0"



- 1. EXHAUST FAN, 1/3 HP, 7.2 FLA, 120V.
- 2. SPLIT SYSTEM AIR CONDITIONER, 1/4 HP, 13.7 FLA, 18.3 MCA, 30 MOCP, 240V, 3 PH.

0' 1' 2' 3' 4'



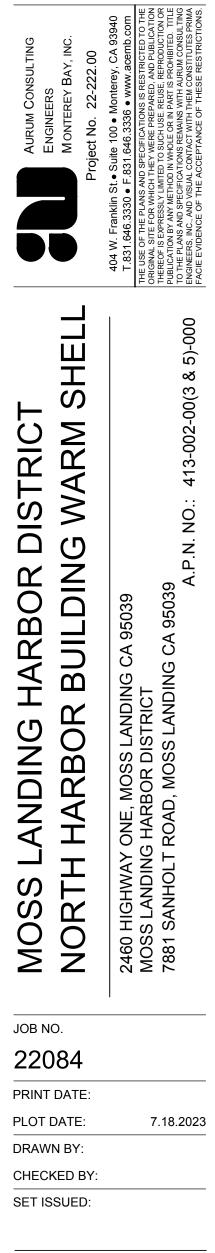
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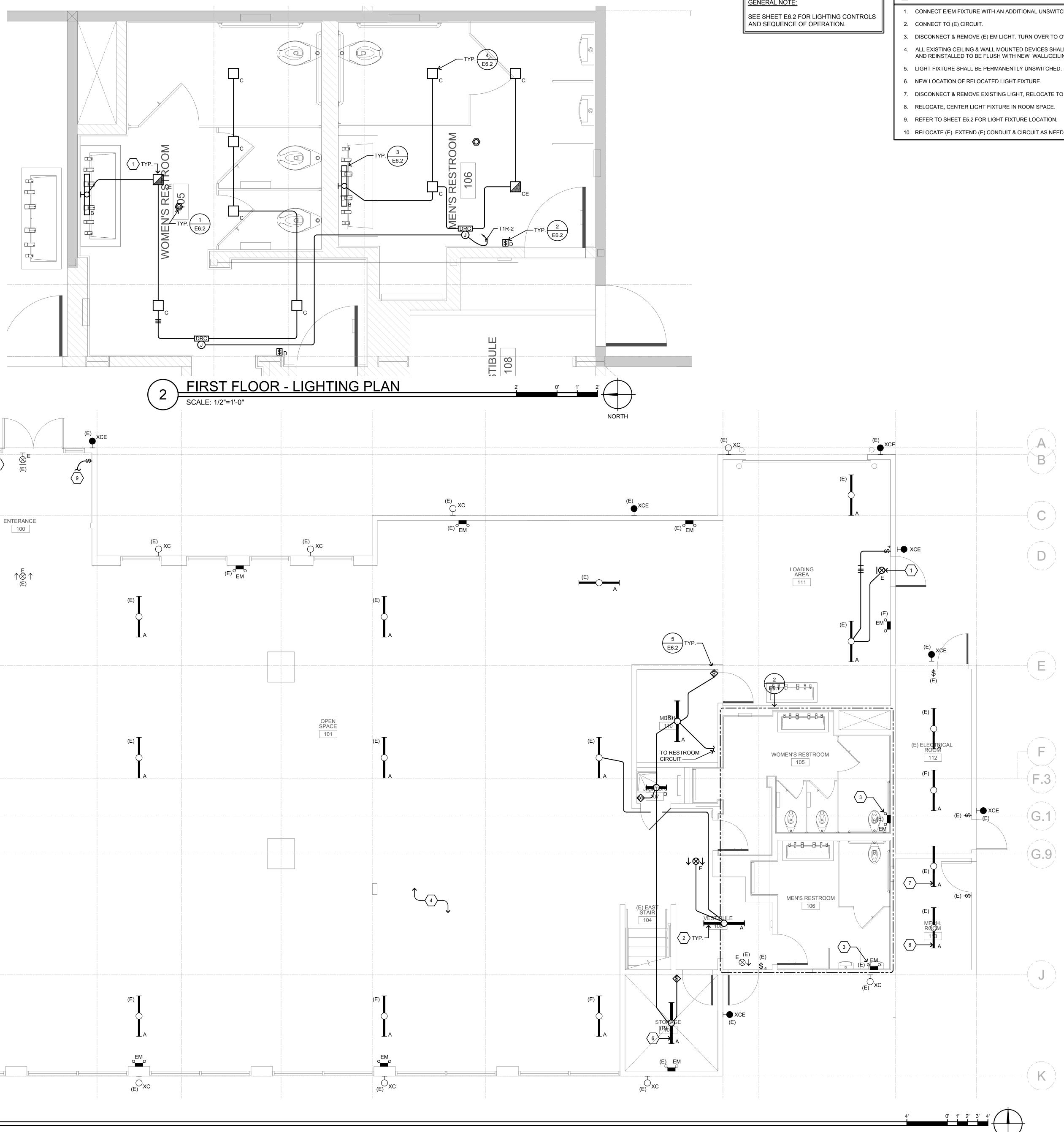


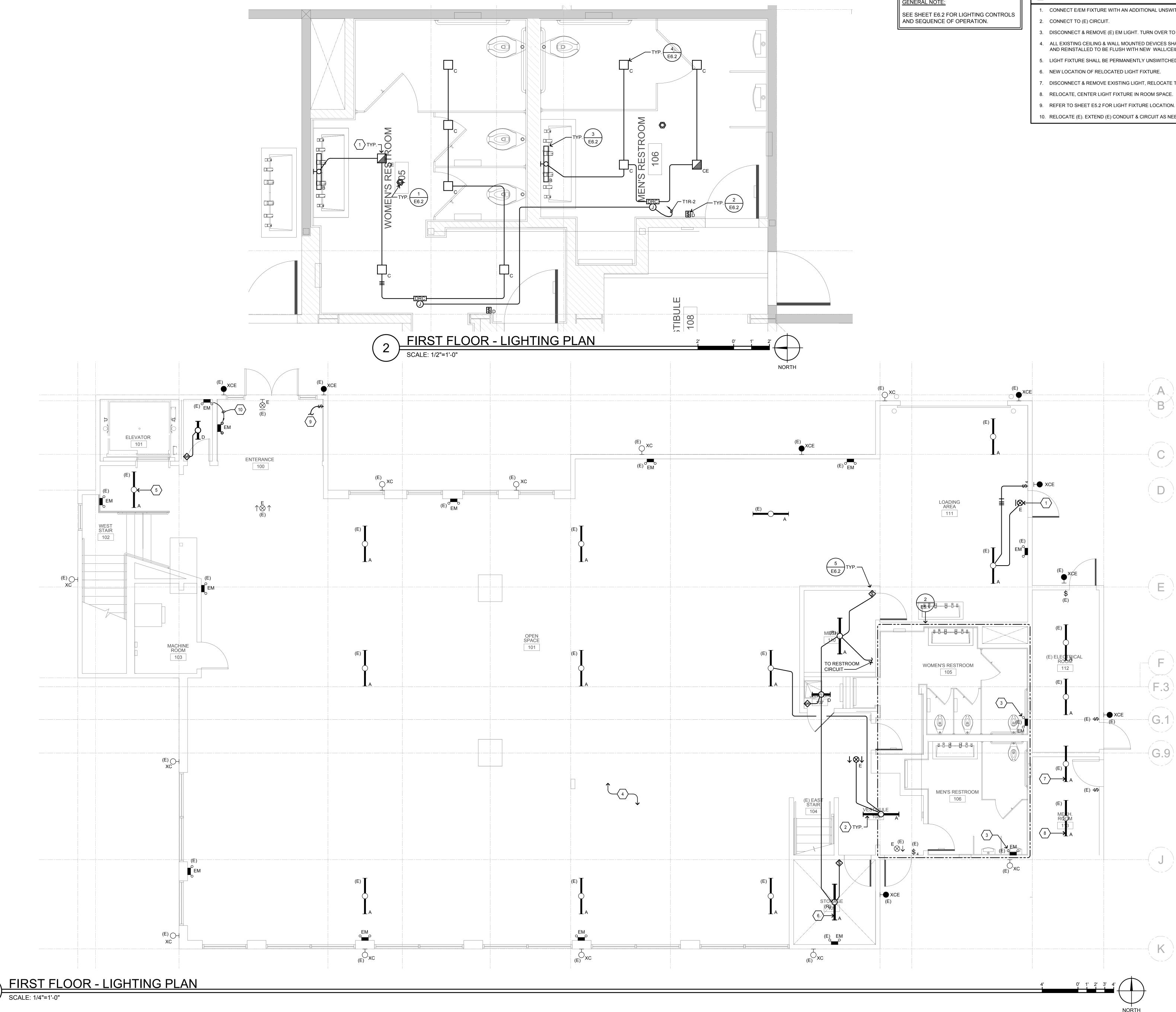
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SHEET NAME: CLERESTORY -POWER & SYSTEMS PLAN

SHEET NO.:







GENERAL NOTE:

○ SHEET NOTES

1. CONNECT E/EM FIXTURE WITH AN ADDITIONAL UNSWITCHED HOT.

- 3. DISCONNECT & REMOVE (E) EM LIGHT. TURN OVER TO OWNER.
- 4. ALL EXISTING CEILING & WALL MOUNTED DEVICES SHALL BE REMOVED, SALVAGED AND REINSTALLED TO BE FLUSH WITH NEW WALL/CEILING FINISH.

- 7. DISCONNECT & REMOVE EXISTING LIGHT, RELOCATE TO MECHANICAL ROOM #110.

- 10. RELOCATE (E). EXTEND (E) CONDUIT & CIRCUIT AS NEEDED.



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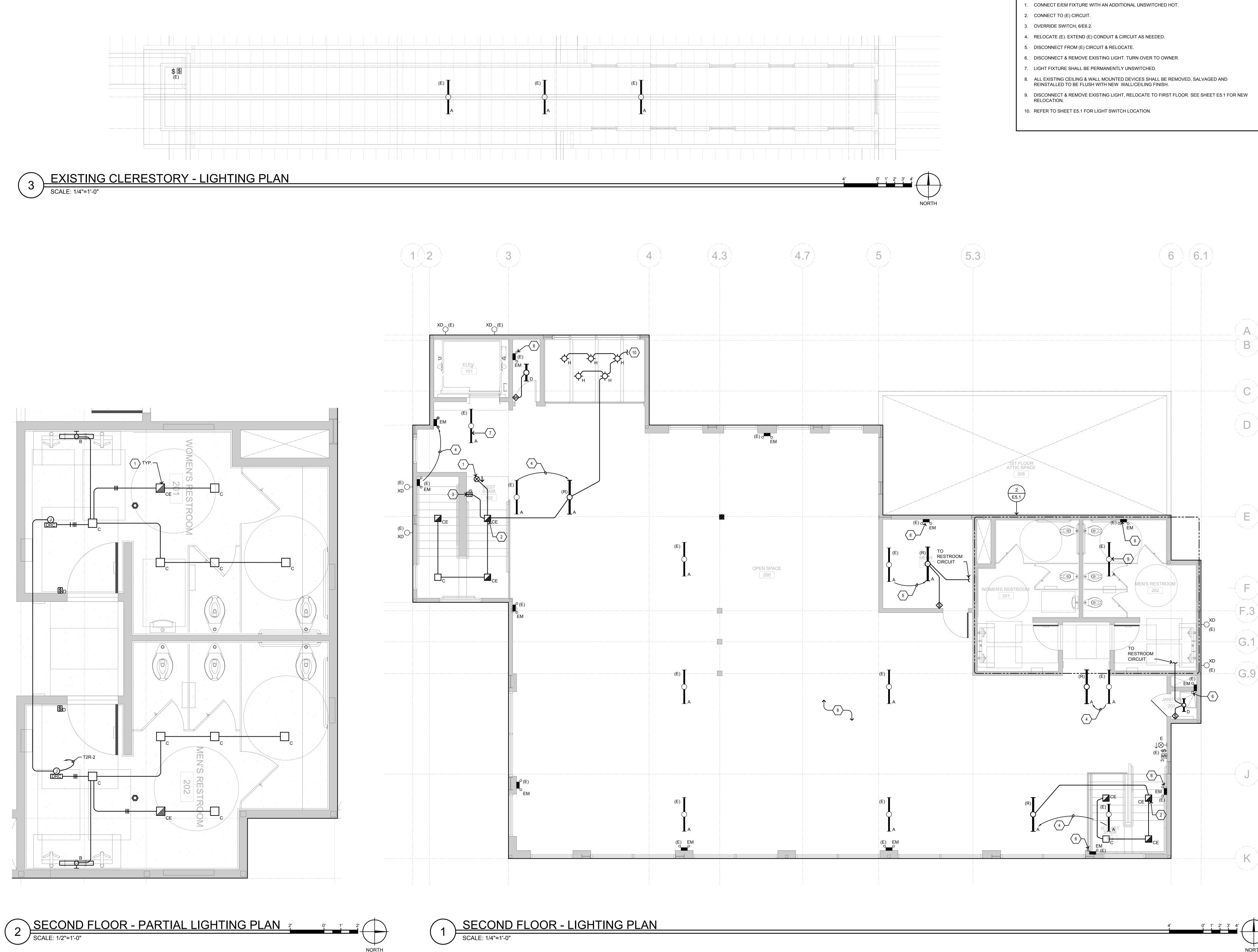
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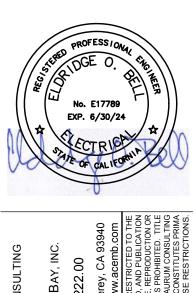


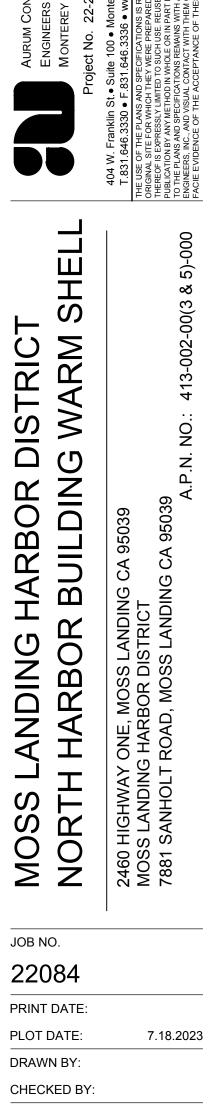
 \bigcirc SHEET NOTES

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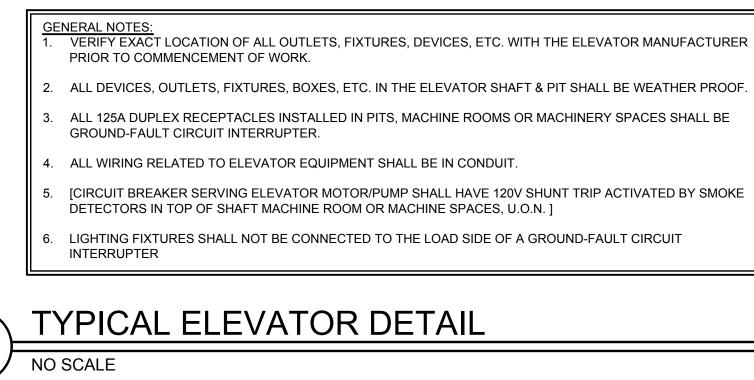
SHEET NAME: SECOND FLOOR & CLERESTORY -LIGHTING PLANS

SHEET NO .:

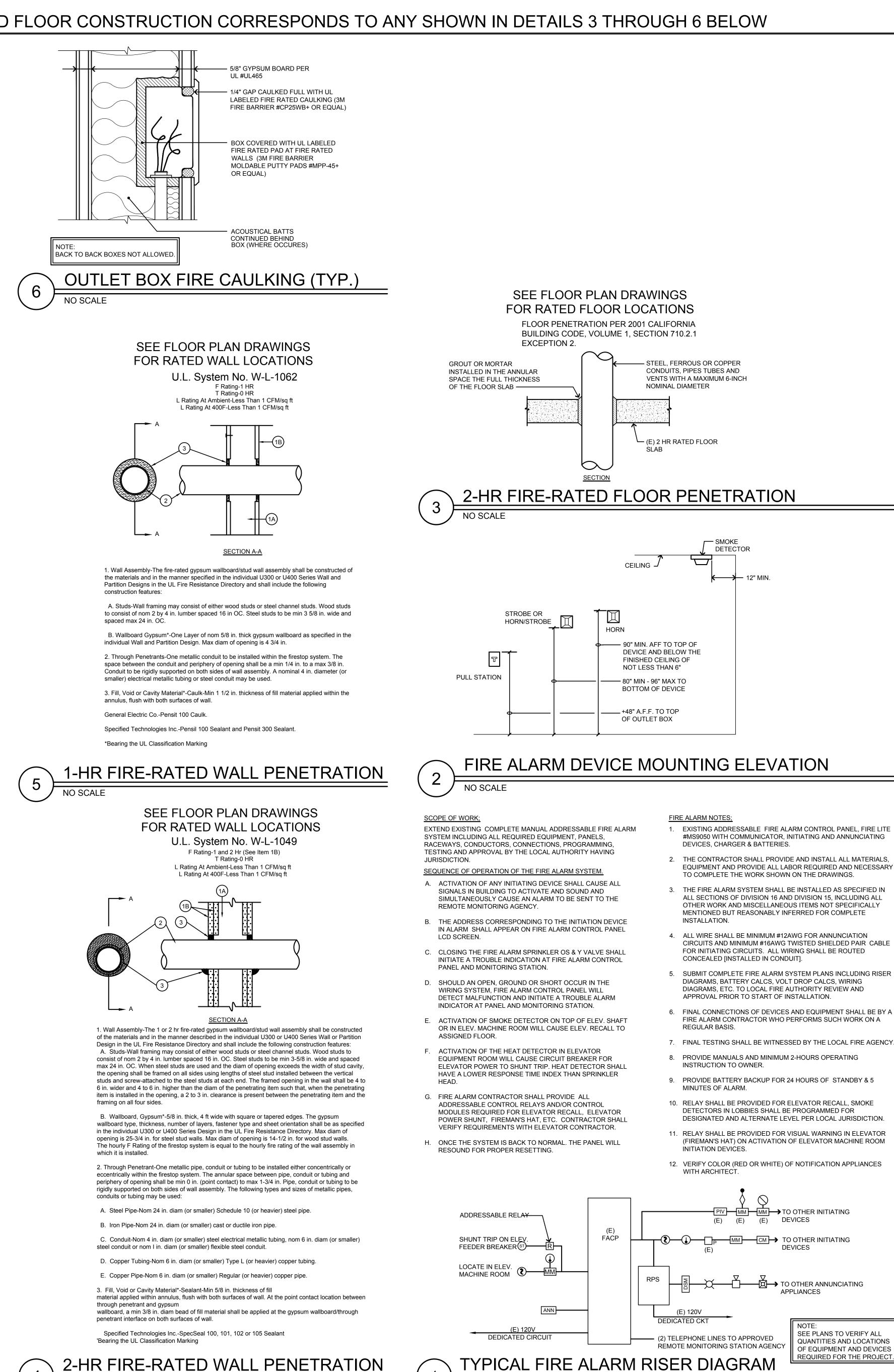
E5.2

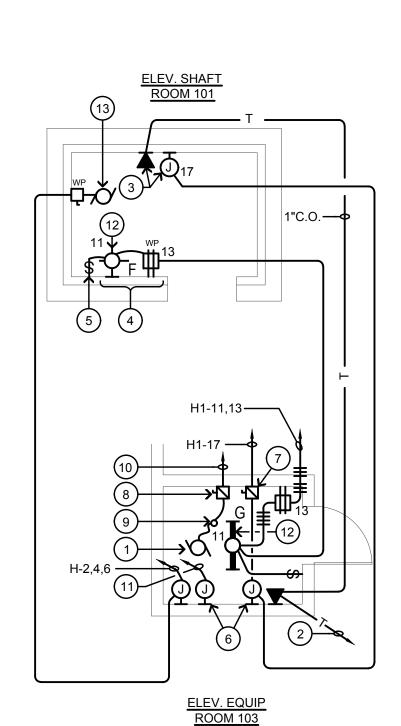
FILE NAME.:

NORTH



FIRE RATED PENETRATIONS SHOWN ARE FOR USE WHERE THE PROJECT WALL OR/AND FLOOR CONSTRUCTION CORRESPONDS TO ANY SHOWN IN DETAILS 3 THROUGH 6 BELOW





DETAIL NOTES:

LOCATION.

1. ELEVATOR MOTOR; SEE SINGLE LINE DIAGRAM.

- 2. 1"C. & CAT 6 CABLE TO BACKBOARD. COORDINATE WITH OWNER FOR
- BY THE ELEVATOR CONTRACTOR FOR CARPOWER AND TELEPHONE.

4. +24" ABOVE ELEVATOR PIT FLOOR.

5. +24" ABOVE FIRST FLOOR LANDING

6. LOCATE AT ELEVATOR CONTROLLER

7. DISCONNECT SWITCH WITH FUSES.

DISCONNECT SWITCH SHALL BE

LOCKABLE IN 'OPEN' POSITION FOR

ELEVATOR CONTROLS. VERIFY WITH

MANUFACTURER RECOMMENDATIONS.

- TELEPHONE LINE ACTIVATION.

WITHIN 18" OF THE ACCESS DOOR JAMB.

- 3. LOCATE AT MID-SHAFT OR AS DIRECTED 9. STUB-UP FOR ELEVATOR MOTOR AS DIRECTED BY ELEVATOR CONTRACTOR.
- 8. DISCONNECT SWITCH WITH FUSES PER MANUFACTURER RECOMMENDATIONS FOR ELEVATOR MOTOR. DISCONNECT SWITCH SHALL BE LOCKABLE IN 'OPEN' POSITION. SEE SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.

10. SEE SINGLE LINE DIAGRAM FOR FEEDER

COORDINATE WITH F.A. CONTRACTOR.

12. LIGHT FIXTURE SHALL NOT BE CONNECT

13. ELEVATOR SUMP PUMP, VERIFY EXACT

11. ³/₄"C. TO FIRE ALARM CONTROL PANEL

FOR FIRE ALARM INTERLOCKS,

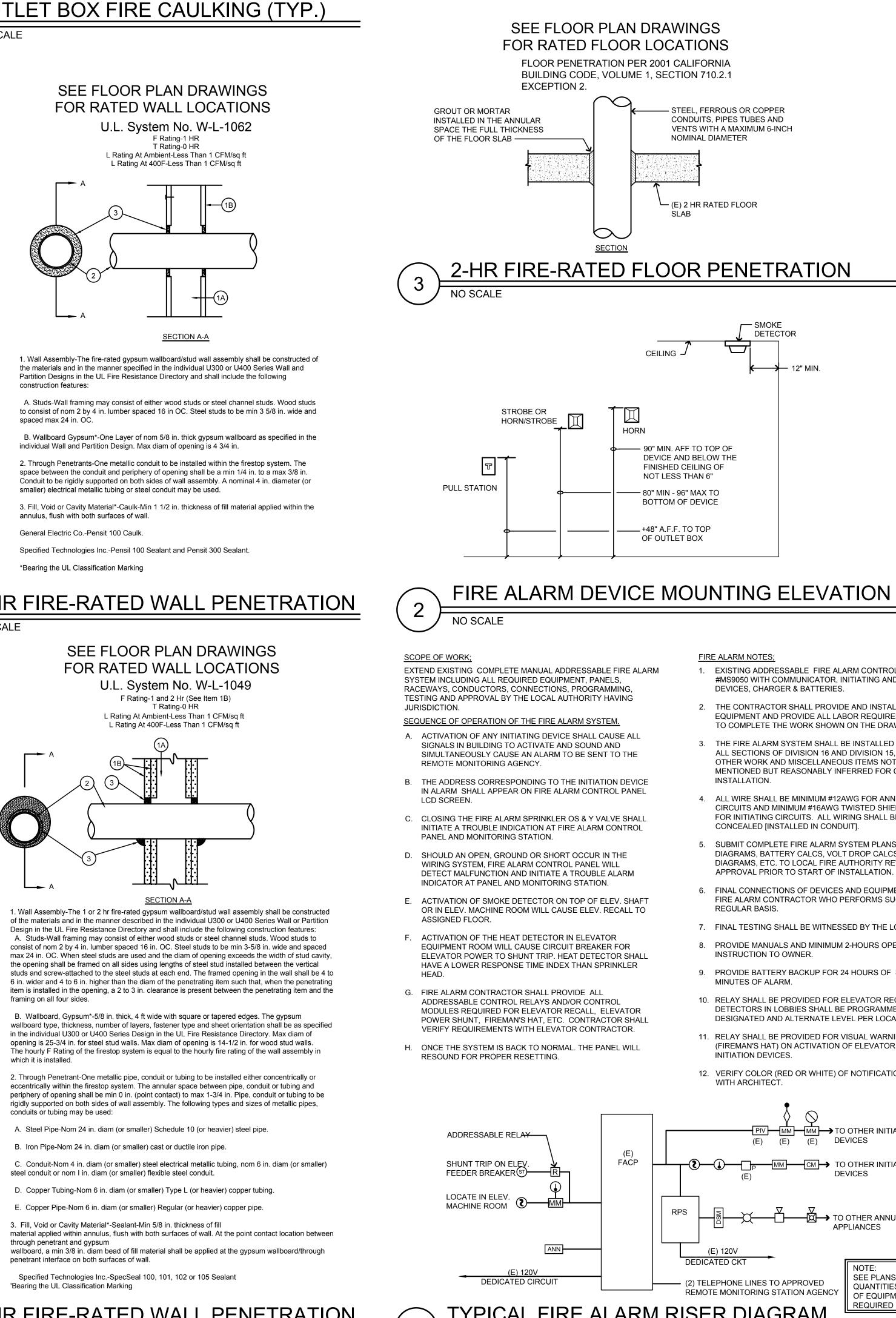
SIZE AND REQUIREMENTS.

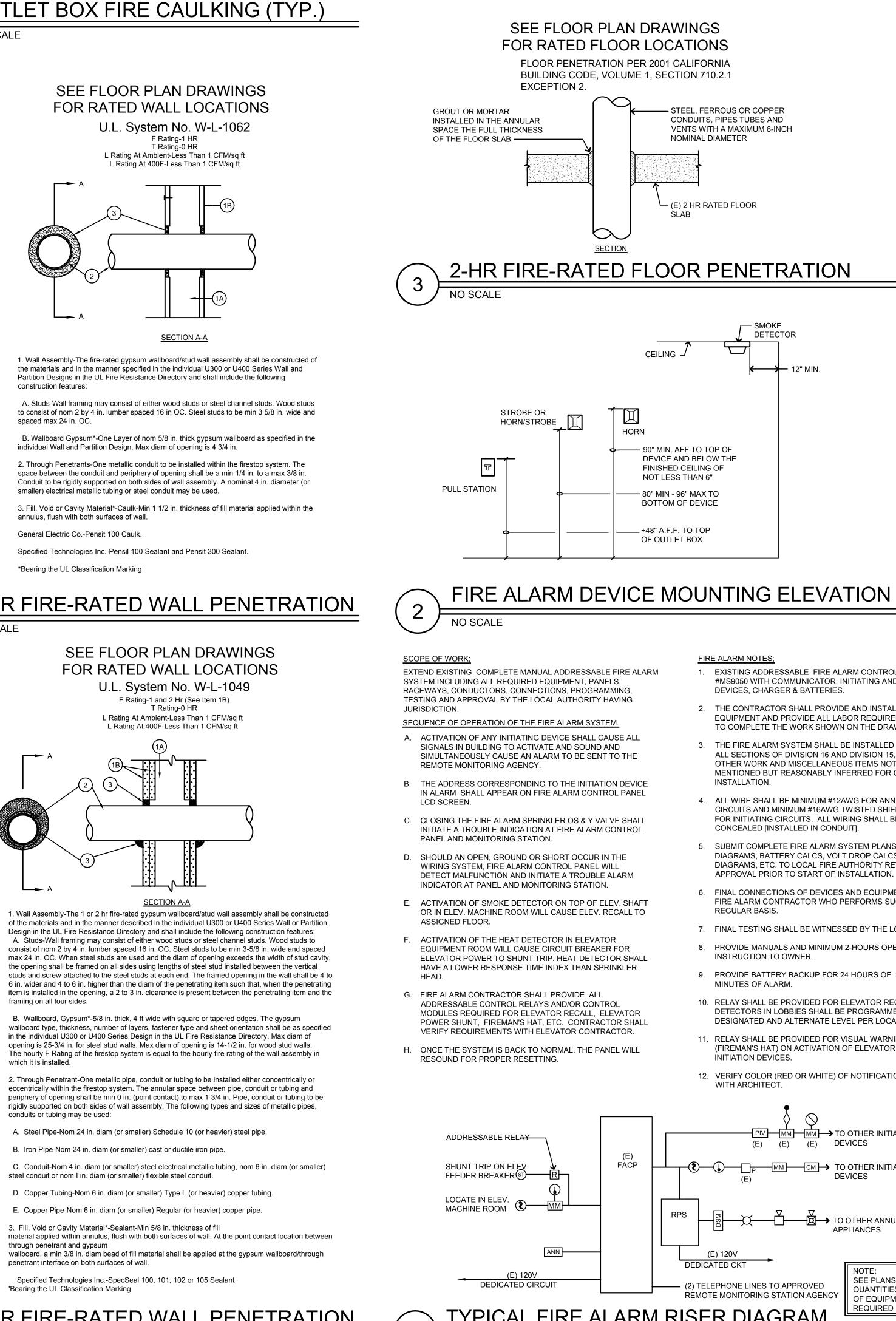
TO GFCI.

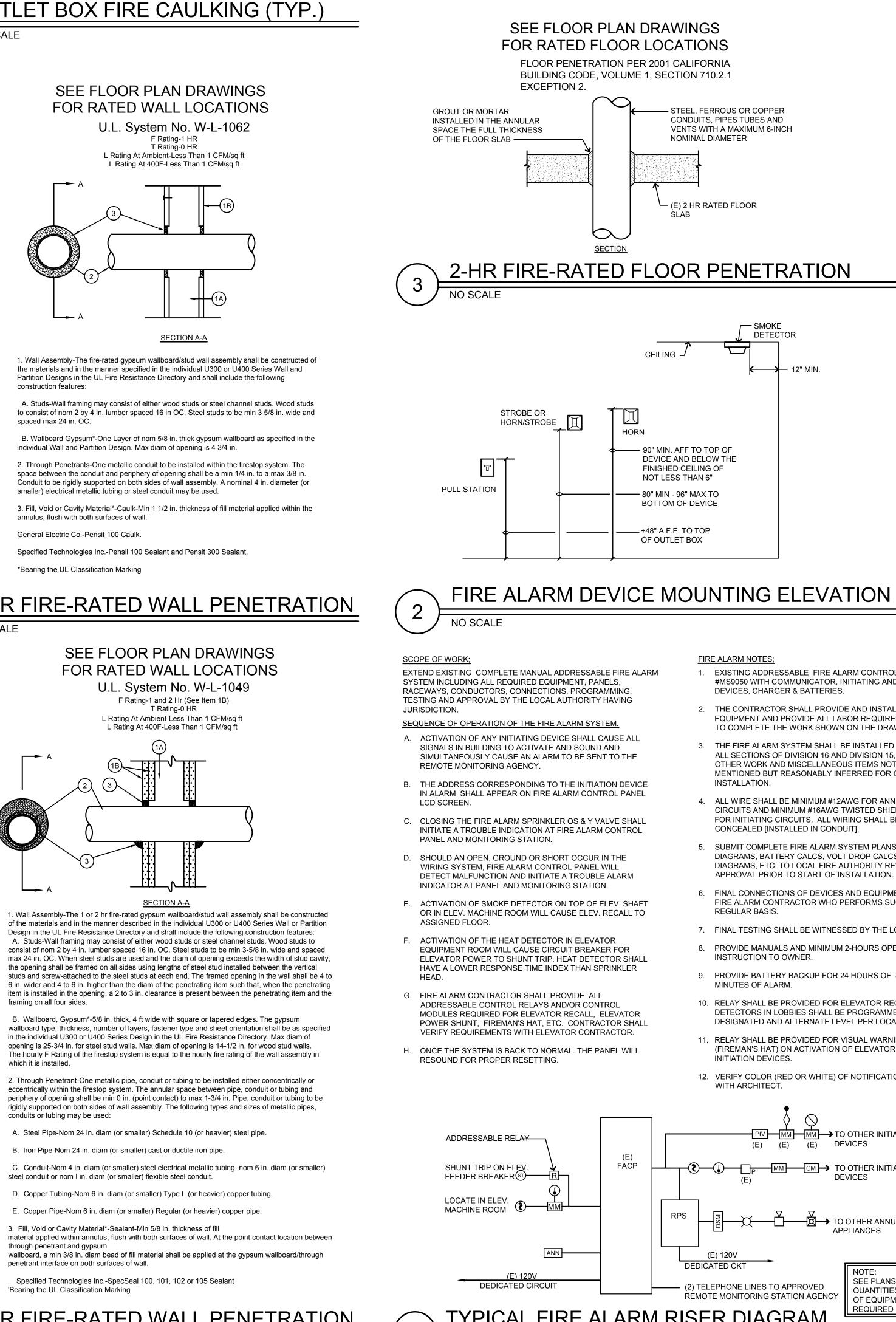
REQUIREMENTS.



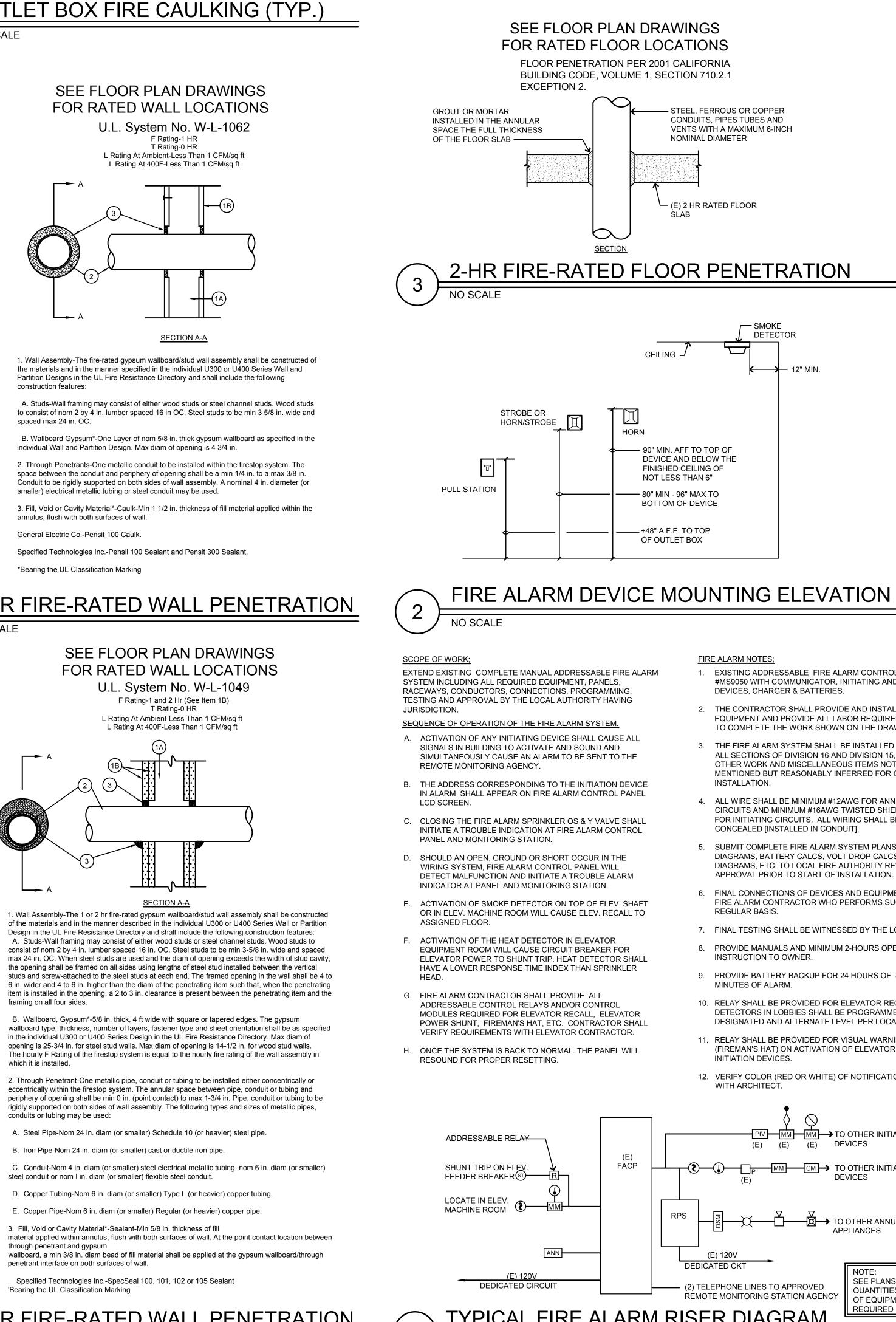
NO SCALE







NO SCALE





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7.18.2023

10/1/23





SHEET NAME:

ELECTRICAL DETAILS



	SWITCH INPUT TERMINALS	WATT STOPPER DATALINE SWITCH, COLOR PER ARCH. (1)
SPARE	•	
SPARE	$\bullet \rightarrow \downarrow \overset{R-2}{\bullet}$	
(E) H-38 — 20/1	• R -3	(IL) (IL) (E) CLERESTORY LIGHTS
(E) H-42 - 20/1	• ^{R-4}	$(IL) \qquad (IL) \qquad (E) FIRST FLOOR INTERIOR$ $(US) \qquad (E) TO DINING EM/NL LIGHTS$
SPARE	• ^{R-5}	
(E) H-36 - 20/1	• ^{R-6}	
<u></u> 20/1	R-7	(US) (E) TO NIGHT LIGHTS & EM BALLASTS
(E) H-24 -	╸┨┠╸	
⊂	R-8	(US) (US) (E) TO EXTERIOR BUILDING EM BALLASTS
(E) H-28 -	╞ ╶╶╸ ┨┠╺╸ ╎	(E) TO EXTERIOR BUILDING LIGHTS
 		(US) (E) TO EXTERIOR BUILDING EM BALLASTS
(E) H-28	╞ <mark>╴╶╸</mark> ┨┠╺╸ ╎	
⊂	LI ^{R-10}	(US) (US) (E) TO EXTERIOR BUILDING EM BALLASTS
(E) H-26	┝────●┤┠╺╸──── ┆	(NL) (NL) (E) TO EXTERIOR BUILDING LIGHTS
C ^{20/1}	LIR-11	(US) (US) (E) TO EXTERIOR BUILDING EM BALLASTS
(E) H-1 —	╞ <mark>╴╶╸</mark> ┨┠╺╸ ╵	(NL) (E) TO PARKING LOT LIGHTS
(E) H-5 ^{20/1}	• ^{R-12}	(EL) (EL) (E) TO PARKING LOT LIGHTS
(E) H-11	► ^{R-13}	(E) TO PARKING LOT LIGHTS & EXTERIOR BLDG.
(E) H-7 ^{20/1}	• ^{R-14}	$(EL) \xrightarrow{(EL)} \xrightarrow{(E)} (E) \text{ TO PARKING LOT LIGHTS & EXTERIOR BLDG.}$
(E) H-17 ^{20/1}	• ^{R-15}	(NL) (E) TO PATHWAY LIGHTS
(E) H-32	• ^{R-16}	
SPARE	•	1. EXISTING MANUAL OVER RIDE SWITCH. I LIGHTS SHALL BE SWEPT OFF AFTER 2 HRS. OF OVER RIDE, SEE SHEETS E5.1 & E5.2 FOR I LOCATIONS AND QUANTITIES. OVERRIDE SWITCH SHALL ONLY OVERRIDE 'ON' NOT
SPARE	•	OFF'.
SPARE	• ^{R-24}	(EL) - ON AT DUST, OFF AT OWNER SET TIME (NL) - ON AT DUSK, OFF AT DAWN (IL) - COORDINATE TIME CLOCK ON AND OFF
	L	US) - UNSWITCHED
	IG CONTROL PANE	EL- FOR REFERENCE
6 NO SCALE		
_		

_____/____

(R)——

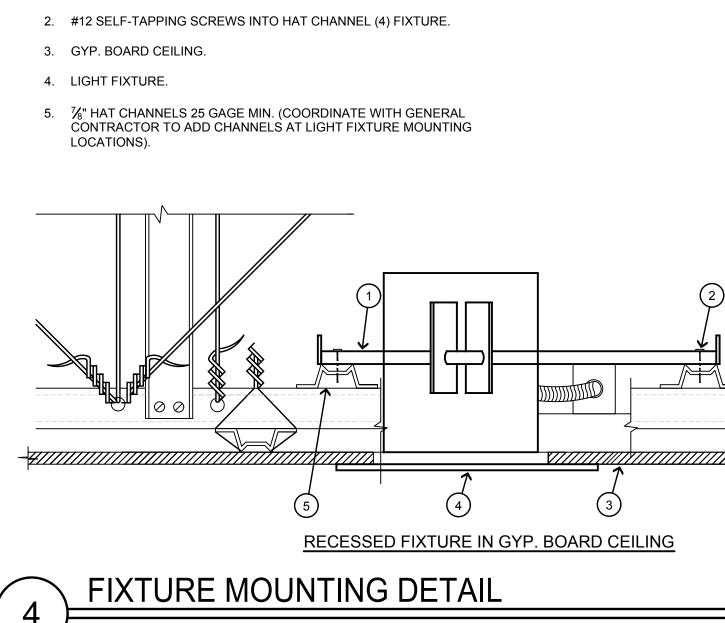
(E) WATTSTOPPER LMCP LIGHTING CONTROL PANEL -

24 SIZE ENCLOSURE, (24) SINGLE POLE

COMMISSIONING BY CONTRACTOR _____

CONTACTORS, PROGRAMMING &

FERENCE



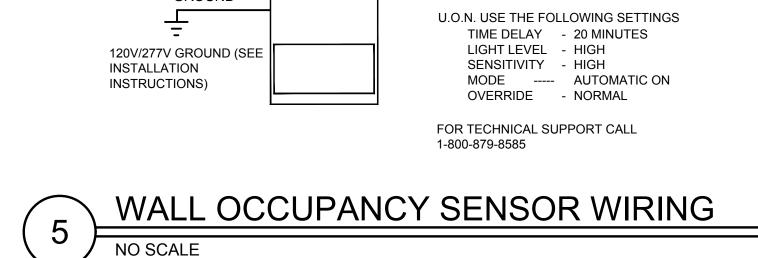
1. BAR HANGER FURNISHED WITH FIXTURE, (2) PER FXITURE.

O DETAIL NOTES:

NO SCALE

WHITE

GROUND

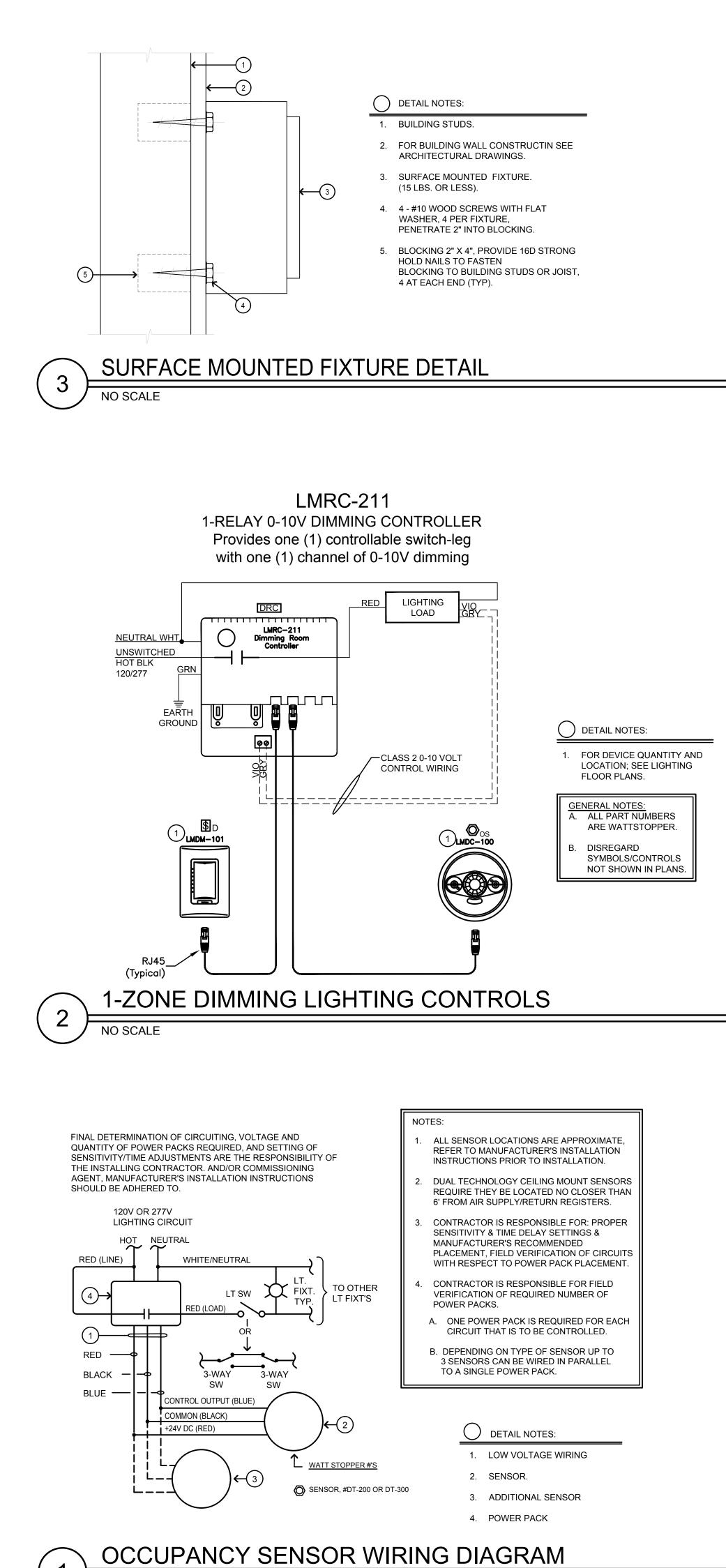


NEUTRAL

LOAD

- 🔇 WATT STOPPER #W1-200 WITH

#ASP-121 WALL PLATE



NO SCALE



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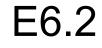
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SHEET NAME: ELECTRICAL DETAILS



SECTION 16010

GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.01 Description of Work:

A. The work of this Section consists of providing all required labor, supervision, materials and equipment to satisfactorily complete all electrical installations that are shown on the Drawings, included in these specifications, or otherwise needed for a complete and fully operating facility. B. Furnish and install all required in-place equipment, conduits, conductors, cables and any miscellaneous materials for the satisfactory interconnection and operation of all associated electrical systems.

1.02 Related Work:

A. This Section provides the basic Electrical Requirements which supplement the General Requirements of Division 1 and apply to all Sections of Division 16.

1.03 Submittals

- A. As specified in Division 1. Submit to the Architect shop drawings, manufacturer's data and certificates for equipment, materials and finish, and pertinent details for each system specified Information to be submitted includes manufacturer's descriptive literature of cataloged products, equipment, drawings, diagrams, performance and characteristic curves as applicable, test data and catalog cuts. Obtain written approval before procurement, fabrication, or delivery of the items to the job site. Partial submittals are not acceptable and will be returned without review.
- Furnish manufacturer's name, trade name, catalog model or number, nameplate data, size, layout dimensions, capacity, project specification and paragraph reference, applicable Federal, Industry and Technical Society Publication References, and years of satisfactory service of each item
- required to establish contract compliance. Photographs of existing installations and data submitted in lieu of catalog data are not acceptable and will be returned without approval. B. Organize submittals for equipment and items related to each specification section together as a
- C. Proposed substitutions of products will not be reviewed or approved prior to awarding of the
- Contract. D. Substitutions shall be proven to the Architect or Engineer to be equal or superior to the specified product. Architect's decision is final. The Contractor shall pay all costs incurred by the Architect and Engineer in reviewing and processing any proposed substitutions whether or not a proposed
- substitution is accepted E. If a proposed substitution is rejected, the contractor shall furnish the specified product at no
- increase in contract price. F. If a proposed substitution is accepted, the contractor shall be completely responsible for all dimensional changes, electrical changes, or changes to other work which are a result of the
- substitution. The accepted substitution shall be made at no additional cost to the owner or design consultants.
- 1.04 Quality Assurance: A.Codes: All electrical equipment and materials, including installation and testing, shall conform to the latest editions following applicable codes:
- 1. California Electrical Code (CEC). 1. Occupational Safety and Health Act (OSHA) standards.
- 3. All applicable local codes, rules and regulations.
- 4. Electrical Contractor shall posses a C-10 license and all other licenses as may be required. Licenses shall be in effect at start of this contract and be maintained throughout the duration of this contract.
- B. Variances: In instances where two or more codes are at variance, the most restrictive requirement shall apply.
- C. Standards: Equipment shall conform to applicable standards of American National Standards Institute (ANSI), Electronics Industries Association (EIA), Institute of Electrical and Electronics
- Engineers (IEEE), and National Electrical Manufacturers Association (NEMA). D. Underwriter Laboratories (UL) listing is required for all equipment and materials where such
- listing is offered by the Underwriters Laboratories. Provide service entrance labels for all equipment required by the NEC to have such labels.
- E. The electrical contractor shall guarantee all work and materials installed under this contract for a period of one (1) year from date of acceptance by owner.
- F. All work and materials covered by this specification shall be subject to inspection at any and all times by representatives of the owner. Work shall not be closed in or covered before inspection and approval by the owner or his representative. Any material found not conforming with these
- specifications shall, within 3 days after being notified by the owner, be removed from premises; if said material has been installed, entire expense of removing and replacing same, including any cutting and patching that may be necessary, shall be borne by the contractor.

1.05 Contract Documents:

- 1. In the case of conflict between the drawings and specifications, the specifications shall take 2. Drawings and specifications are intended to comply with all law, ordinances, rules and regulations of constituted authorities having jurisdiction, and where referred to in the Contract Documents, said laws, ordinance, rules and regulations shall be considered as a part of said Contract Documents within the limits specified. The Contractor shall bear all expenses of correcting work done contrary to said laws, ordinance, rules and regulations if the Contractor knew or should have known that the work as performed is contrary to said laws, ordinances, rules and regulations and if the Contractor performed same (1) without first consulting the Architect for further instructions regarding said work and/or (2) disregarded
- the Architect's instructions regarding said work. B. Drawings: The Electrical Drawings shall govern the general layout of the completed construction. 1. Locations of equipment, panels, pullboxes, conduits, stub-ups, ground connections are
- approximate unless dimensioned; verify locations with the Architect prior to installation. 2. Review the Drawings and Specification Divisions of other trades and perform the electrical
- work that will be required for those installations. 3. Should there be a need to deviate from the Electrical Drawings and Specifications, submit written details and reasons for all changes to the Architect for approval. 4. The general arrangement and location of existing conduits, piping, apparatus, etc., is approximate. The drawings and specifications are for the assistance and guidance of the contractor, exact locations, distances and elevations are governed by actual field conditions.
- Accuracy of data given herein and on the drawings is not guaranteed. Minor changes may be necessary to accommodate work. The contractor is responsible for verifying existing conditions. Should it be necessary to deviate from the design due to interference with existing conditions or work in progress, claims for additional compensation shall be limited to those for work required by unforeseen conditions as determined by the Architect.
- 5. All drawings and divisions of these specifications shall be considered as whole. The contractor shall report any apparent discrepancies to the Architect prior to submitting bids. 6. The contractor shall be held responsible to have examined the site and compared it with the specifications and plans and to have satisfied himself as to the conditions under which the work is to be performed. He shall be held responsible for knowledge of all existing
- conditions whether or not accurately described. No subsequent allowance shall be made for any extra expense due to failure to make such examination.
- 1.06 Closeout Submittals: A. Manuals: Furnish manuals for equipment where manuals are specified in the equipment specifications or are specified in Division 1.
- 1.07 Coordination
- A.Coordinate the electrical work with the other trades, code authorities, utilities and the Architect. B. Contractor shall pay all inspection and other applicable fees and procure all permits necessary
- for the completion of this work. C. Where connections must be made to existing installations, properly schedule all the required
- work, including the power shutdown periods. D. When two trades join together in an area, make certain that no electrical work is omitted.

1.08 Job Conditions:

- A.Operations: Perform all work in compliance with Division 1
- 1. Keep the number and duration of power shutdown periods to a minimum. 2. Show all proposed shutdowns and their expected duration on the construction schedule. Schedule and carry out shutdowns so as to cause the least disruption to operation of the
- Owner's facilities. 3. Carry out shutdown only after the schedule has been approved, in writing, by the owner.
- Submit power interruption schedule 15 days prior to date of interruption. B. Construction Power: Unless otherwise noted in Division 1 of these specifications, contractor
- shall make all arrangements and provide all necessary facilities for temporary construction power from the owner's on site source. Energy costs shall be paid for by the Owner.
- C. Storage: Provide adequate storage for all equipment and materials which will become part of the completed facility so that it is protected from weather, dust, water, or construction

operations.

- 1.09 Damaged Products: A. Notify the Architect in writing in the event that any equipment or material is damaged. Obtain
- approval from the Architect before making repairs to damaged products.

1.10 Locations: A.General: Use equipment, materials and wiring methods suitable for the types of locations in

- which they are located. B. Dry Locations: All those indoor areas which do not fall within the definition below for Wet Locations and which are not otherwise designated on the Drawings. C. Wet Locations: All locations exposed to the weather, whether under a roof or not, unless otherwise designated on the Drawings.
- 1.11 Safety and Indemnity: A. The Contractor is solely and completely responsible for conditions of the job site including
- safety of all persons and property during performance of the work. This requirement will apply continually and not be limited to normal working hours. The contractor shall provide and
- naintain throughout the work site proper safeguards including, but not limited to, enclosures barriers, warning signs, lights, etc. to prevent accidental injury to people or damage to property. B. No act, service, drawing review or construction review by the Owner, the Engineer or their
- Consultants is intended to include reviews of the adequacy of the Contractors safety measures in or near the construction site.
- C. The Contractor performing work under this Division of the Specifications shall hold harmless, indemnify, and defend the Owner, the Engineer, their consultants, and each of their officers, agents and employees from any and all liability claims, losses, or damage arising out of or alleged to arise from bodily injury, sickness, or death of a person or persons and for all damages arising out of injury to or destruction of property arising directly or indirectly out of or in
- connection with the performance of the work under this Division of the Specifications, and from the Contractor's negligence in the performance of the work described in the construction contract documents, but not including liability that may be due to the sole negligence of the Owner, the Engineer, their Consultants or their officers, agents and employees.

D. If a work area is encountered that contains hazardous materials, the contractor is advised to coordinate with the owner and it's abatement consultant for abatement of hazardous material by the Owner's Representative. "Hazardous materials" means any toxic substance regulated or controlled by OSHA, EPA, State of California or local rules, regulations and laws. Nothing herein shall be construed to create a liability for Aurum Consulting Engineers regarding hazardous materials abatement measures, or discovery of hazardous materials.

1.12 Access Doors:

- A. The contractor shall install access panels as required where floors, walls or ceilings must be penetrated for access to electrical, control, fire alarm or other specified electrical devices. The minimum size panel shall be 14" x 14" in usable opening. Where access by a service person is required, minimum usable opening shall be 18" x 24" B. All access doors installed lower than 7'-0" above finished floor and exposed to public access
 - shall have keyed locks. C. Where specific information or details relating to access panels differ from Division 16 paragraph 1.12 of these specifications, or shown on the electrical drawings and details or under other Divisions of work, those requirements shall supersede these specifications.

1.13 Arc Flash:

- A. The contractor shall install a clearly visible arc flash warning to the inside door of all panelboards and industrial control panels, as well as to the front of all switchboards and motor control centers that are a part of this project B. The warning shall have the following wording: line 1 "WARNING" (in large letters), line 2
- "Potential Arc Flash Hazard" (in medium letters), line 3 & 4 "Appropriate Personal Protective Equipment and Tools required when working on this equipment". 1.14 All boxes and enclosures for emergency circuits shall be permanetly marked with a readily

visable red spray painted mark.

PART 2 - PRODUCTS

- 2.01 Standard of Quality A. Products that are specified by manufacturer, trade name or catalog number establish a standard of quality and do not prohibit the use of equal products of other manufacturers provided they are established to be equal to the specified product and approved by the Architect prior to installation.
- B. Material and Equipment: Provide materials and equipment that are new and are current products of manufacturers regularly engaged in the production of such products. The standard products shall have been in satisfactory commercial or industrial use for two years prior to bid opening. The two-year period includes use of equipment and materials of similar size under similar circumstances. For uniformity, only one manufacturer will be accepted for each type of C. Service Support: Submit a certified list of qualified permanent service organizations including
- their addresses and qualification for support of the equipment. These service organizations shall be convenient to the equipment installation and able to render service to the equipment on a regular and emergency basis during the warranty period of the contract. D. Manufacturer's Recommendations: Where installation procedures are required to be in
- accordance with manufacturer's recommendations, furnish printed copies of the recommendations prior to installation. Installation of the item shall not proceed until recommendations are received. Failure to furnish recommendation shall be cause for rejection of the equipment or material.

2.02 Nameplates

A. For each piece of electrical equipment, provide a manufacturer's nameplate showing his name, location, the pertinent ratings, the model designation, and shop order number. B. Identify each piece of equipment and related controls with a rigid laminated engraved plastic nameplate. Unless otherwise noted, nameplates shall be melamine plastic 0.125 inch thick, white with black center core. Surface shall be matte finish. Corners shall be square. Accurately align lettering and engrave into the core. Minimum size of nameplates shall be 0.5 by 2.5 inches unless otherwise noted. Where not otherwise specified, lettering shall be a minimum of 0.25 inch high normal block style. Engrave nameplates with the inscriptions indicated on the Drawings and, if not so indicated, with the equipment name. Securely fasten nameplates in place using two stainless steel or brass screws.

2.03 Fasteners:

A. Fasteners for securing equipment to walls, floors and the like shall be either hot-dip galvanized after fabrication or stainless steel. 2.04 Finish requirements

A. Equipment: Refer to each electrical equipment section of these Specifications for painting

requirements of equipment enclosures. Repair any final paint finish which has been damaged or erwise unsatisfactory, to the satisfaction of the Architect. B. Wiring System: In finished areas, paint all exposed conduits, boxes and fittings to match the color of the surface to which they are affixed.

PART 3 - EXECUTION

- 3.01 Workmanship: A. Ensure that all equipment and materials fit properly in their installation.
- B. Perform any required work to correct improperly fit installation at no additional expense to the C. All electrical equipment and materials shall be installed in a neat and workmanship manner in accordance with the "NECA-1 Standard Practices For Good Workmanship in Electrical Contracting". Workmanship of the entire job shall be first class in every respect.

3.02 Equipment Installations:

- A. Provide the required inserts, bolts and anchors, and securely attach all equipment and materials to their supports. B. Do all the cutting and patching necessary for the proper installation of work and repair any
- damage done. C. Earthquake restraints: all electrical equipment, including conduits over 2 inches in diameter, shall be braced or anchored to resist a horizontal force acting in any direction as per Title 24, part 2, table 16a-o, part 3.
- D. Structural work: All core drilling, bolt anchor insertion, or cutting of existing structural concrete shall be approved by a California registered structural consulting engineer prior to the execution of any construction. At all floor slabs and structural concrete walls to be drilled, cut or bolt anchors inserted, the contractor shall find and mark all reinforcing in both faces located by means of x-ray, pach-ometer, or prof-ometer. Submit sketch showing location of rebar and proposed cuts, cores, or bolt anchor locations for approval.

3.03 Field Test:

- A. Test shall be in accordance with Acceptance testing specifications issued by the National Electrical Testing Association (NETA) and comply with the California Electrical Code section B. Perform equipment field tests and adjustments. Properly calibrate, adjust and operationally
- check all circuits and components, and demonstrate as ready for service. Make additional calibration and adjustments if it is determined later that the initial adjustments are not satisfactory for proper performance. Perform equipment field test for equipment where equipment field tests are specified in the equipment Specifications. Give sufficient notice to the
- Architect prior to any test so that the tests may witnessed. C. Provide instruments, other equipment and material required for the tests. These shall be of the type designed for the type of tests to be performed. Test instrument shall be calibrated by a
- recognized testing laboratory within three months prior to performing tests. D. Operational Tests: Operationally test all circuits to demonstrate that the circuits and equipment
- have been properly installed and adjusted and are ready for full-time service. Demonstrate the proper functioning of circuits in all modes of operation, including alarm conditions. E. Re-testing will be required for all unsatisfactory tests after the equipment or system has been repaired. Re-test all related equipment and systems if required by the Architect. Repair and
- re-test equipment and systems which have been satisfactorily tested but later fail, until satisfactory performance is obtained.
- F. Maintain records of each test and submit five copies to the Architect when testing is complete. All tests shall be witnessed by the Architect. These records shall include: 1. Name of equipment tested. 2. Date of report.
- 3. Date of test.
- 4. Description of test setup. 5. Identification and rating of test equipment.
- 6. Test results and data. 7. Name of person performing test.
- 8. Owner or Architect's initials G. Items requiring testing shall be as noted in the additional electrical sections of these specifications.

3.04 Cleaning Equipment:

- A. Thoroughly clean all soiled surfaces of installed equipment and materials. 3.05 Painting of Equipment:
- A. Factory Applied: Electrical equipment shall have factory applied painting system which shall, as a minimum, meet the requirements of NEMA ICS 6 corrosion-resistance test and the
- additional requirements specified in the technical section. B. Field Applied: Paint electrical equipment as required to match finish of adjacent surfaces.

3.06 Records:

- A. Maintain one copy of the contract Drawing Sheets on the site of the work for recording the "as built" condition. After completion of the work, the Contractor shall carefully mark the work as actually constructed, revising, deleting and adding to the Drawing Sheets as required. The following requirements shall be complied with:
- 1. Cable Size and Type: Provide the size and type of each cable installed on project. 2. Substructure: Where the location of all underground conduits, pull boxes, stub ups and etc. where are found to different than shown, carefully mark the correct location on the Drawings. Work shall be dim
- 3. Size of all conduit runs. 4. Routes of concealed conduit runs and conduit runs below grade.
- 5. Homerun points of all branch circuit.
- 6. Location of all switchgear, panels, MCC, lighting control panels, pullcans, etc. 7. Changes made as a result of all approved change orders, addendums, or field
- authorized revisions. 8. As Builts: At the completion of the Work the Contractor shall review, certify, correct and turn over the marked up Drawings to the Architect for his use in preparing "as built" plans. 9. As built Drawings shall be delivered to the Architect within ten (10) days of completion of construction.

3.07 Clean Up:

- A. Upon completion of electrical work, remove all surplus materials, rubbish, and debris that accumulated during the construction work. Leave the entire area neat, clean, and acceptable to the Architect.
- 3.08 Mechanical and Plumbing Electrical Work: A. The requirements for electrical power and/or devices for all mechanical and plumbing equipment supplied and/or installed under this Contract shall be coordinated and verified with
- the following:
- 1. Mechanical and Plumbing Drawings. 2. Mechanical and Plumbing sections of these Specifications.
- 3. Manufacturers of the Mechanical and Plumbing equipment supplied. B. The coordination and verification shall include the voltage, ampacity, phase, location and type of disconnect, control, and connection required. Any changes that are required as a result of this
- coordination and verification shall be a part of this Contract.

- C. The Electrical Contractor shall furnish and install the following for all mechanical and plumbing 1. Line voltage conduit and wiring.
- 2. Disconnect switches.
- 3. Manual line motor starters. D. Automatic line voltage controls and magnetic starters shall be furnished by the Mechanical and/or Plumbing Contractor and installed and connected by the Electrical Contractor. When subcontracted for by the Mechanical and/or Plumbing Contractor, all line voltage control wiring installed by the Electrical Contractor shall be done per directions from the Mechanical and/or
- Plumbing Contractor. E. All low voltage control wiring for Mechanical and Plumbing equipment shall be installed in conduit. Furnishing, installation and connection of all low voltage conduit, boxes, wiring and
- controls shall be by the Mechanical and/or Plumbing Contractor. F. Manual motor starters, where required, shall have toggle type operators with pilot light and
- melting alloy type overload relays, SQUARE D COMPANY, Class 2510, Type FG-1P (surface) or Type FS-1P (flush) or ITE, WESTINGHOUSE or GENERAL ELECTRIC equal.

SECTION 16110

CONDUITS, RACEWAYS AND FITTINGS

- PART 1 GENERAL 1.01 Description of Work:
- A. The work of this section consists of furnishing and installing conduits, raceways and fittings as shown on the Drawings and as described herein.
- 1.02 Related Work:
- A. See the following specification sections for work related to the work in this section: 1. 16120 Line Voltage Wire and Cable

2. 16130 Junction and Pull Boxes PART 2 - PRODUCTS

- 2.01 Conduits, Racewavs:
- A. Electrical Metallic Tubing (EMT) shall be hot-dip galvanized after fabrication. Couplings shall be compression or set-screw type. B. Flexible Conduit: Flexible metal conduit shall be galvanized steel.
- C. Galvanized Rigid Steel Conduit (GRS) shall be hot-dip galvanized after fabrication. Couplings
- shall be threaded type. D. Rigid Non-metallic Conduit: Rigid non-metallic conduit shall be PVC Schedule 40 (PVC-40 or NEMA Type EPC-40) conduit approved for underground use and for use with 90° C wires.
- 2.02 Conduit Supports: A. Supports for individual conduits shall be galvanized malleable iron one-hole type with conduit
- back spacer. B. Supports for multiple conduits shall be hot-dipped galvanized Unistrut or Superstrut channels,
- or approved equal. All associated hardware shall be hot-dip galvanized. C. Supports for EMT conduits shall be galvanized pressed steel single hole straps. D. Clamp fasteners shall be by wedge anchors. Shot in anchors shall not be allowed.
- 2.03 Fittings: A. Provide threaded-type couplings and connectors for rigid steel conduits; provide steel compression (watertight), or steel set-screw type for EMT, (die-cast zinc or malleable iron type fittings are not allowed). Provide threaded couplings and Meyers hubs for rigid steel conduit exposed to weather.
- B. Fittings for flexible conduit shall be Appleton, Chicago, IL, Type ST, O-Z Gedney Series 4Q by General Signal Corp., Terryville, CT, T & B 5300 series, or approved equal. C. Fittings for use with rigid steel shall be galvanized steel or galvanized cast ferrous metal; access fittings shall have gasketed cast covers and be Crouse Hinds Condulets, Syracuse, NY,
- Appleton Unilets, Chicago, IL, or approved equal. Provide threaded-type couplings and connectors; set-screw type and compression-type are not acceptable. D. Fittings for use with rigid non-metallic conduit shall be PVC and have solvent-weld-type conduit connections.
- E. Union couplings for conduits shall be the Erickson type and shall be Appleton, Chicago, IL, Type EC, O-Z Gedney 3-piece Series 4 by General Signal Corp., Terryvile, CT, or approved equal. Threadless coupling shall not be used. F. Bushings:
- 1. Bushings shall be the insulated type. 2. Bushings for rigid steel shall be insulated grounding type, O-Z Gedney Type HBLG, Appleton Type GIB, or approved equal. G. Conduit Sealants:
- 1. Fire Retardant Types: Fire stop material shall be reusable, non-toxic, asbestos-free, expanding, putty type material with a 3-hour rating in accordance with UL Classification 35L4 or as specified on the Drawings.

PART 3 - EXECUTION

- 3.01 Conduit, Raceway and Fitting Installation: A. For conduit runs exposed to weather provide rigid metal (GRS). B. For conduit run underground, in concrete or masonry block wall and under concrete slabs, install minimum ³/₄" size nonmetallic (PVC) with PVC elbows. Where conduits transition from underground or under slab to above grade install wrapped rigid metal (GRS) elbows and
- C. For conduit runs concealed in steel or wood framed walls or in ceiling spaces or exposed in interior spaces above six feet over the finished floor, install EMT.
- D. Flexible metal conduit shall be used only for the connection of recessed lighting fixtures and motor connections unless otherwise noted on the Drawings. Liquid-tight steel flexible conduit shall be used for motor connections.
- E. The minimum size raceway shall be 1/2-inch unless indicted otherwise on the Drawings. F. Installation shall comply with the CEC G. From pull point to pull point, the sum of the angles of all of the bends and offset shall not
- exceed 360 degrees. H. Conduit Supports: Properly support all conduits as required by the NEC. Run all conduits concealed except where otherwise shown on the drawings.
- 1. Exposed Conduits: Support exposed conduits within three feet of any equipment or device and at intervals not exceeding NEC requirements; wherever possible, group conduits together and support on common supports. Support exposed conduits fastened to the surface of the concrete structure by one-hole clamps, or with channels. Use conduit spacers with one-hole clamps. a. Conduits attached to walls or columns shall be as unobtrusive as possible and shall avoid
- windows. Run all exposed conduits parallel or at right angles to building lines. b. Group exposed conduits together. Arrange such conduits uniformly and neatly. 2. Support all conduits within three feet of any junction box, coupling, bend or fixture.
- 3. Support conduit risers in shafts with Unistrut Superstrut, or approved equal, channels and straps. I. Moisture Seals: Provide in accordance with NEC paragraphs 230-8 and 300-5(g).
- J. Where PVC conduit transitions from underground to above grade, provide rigid steel 90's with risers. Rigid steel shall be half-lap wrapped with 20 mil tape and extend minimum 12" above K. Provide a nylon pull cord in each empty raceway.
- L. Provide galvanized rigid steel factory fittings for galvanized rigid steel conduit. M. Slope all underground raceways to provide drainage; for example, slope conduit from equipment located inside a building to the pull box or manhole located outside the building. N. Conduits shall be blown out and swabbed prior to pulling wires.

SECTION 16120

LINE VOLTAGE WIRE AND CABLE

PART 1 - GENERAL

PART 2 - PRODUCTS

rated insulation.

B. Conductors shall be stranded copper.

2.01 Conductors:

2.02 Cables:

insulation

with the insulation color.

Representative

2.03 Terminations:

2.04 Tape:

D. Color Coding - As specified in paragraph 3.03.

of the cable and shall be of plastic material.

- 1.01 Description of Work:
- A. The work of this Section consists of providing all wire and cable rated 600 volts or less, including splices and terminations, as shown on the Drawings and as described herein. 1.02 Related Work:
- A. See the following Specification Section for work related to the work in this Section: 1. 16110 Conduits, Raceways and Fittings. 2. 16130 Junction and Pull Boxes.

conductors, No. 12 AWG minimum size, and internal copper ground wire.

wire shall be the type required by the equipment manufacturer

A. Manufacturer - Terminals as manufactured by T&B, Burndy or equal.

1.03 Quality Assurance A. Field tests shall be performed as specified in paragraph 3.04 of this Section.

- A. Conductors shall be copper, type THHN/THWN/MTW oil and gasoline resistant, 90°C, 600 volt
- C. Minimum power and control wire size shall be No. 12 AWG unless otherwise noted. D. All conductors used on this Project shall be of the same type and conductor material.
- A. All individual conductors shall be copper with type THHN/THWN, 90°C, 600 volt rated B. Non metallic - sheathed cable (Romex): Type "NM", 600 volt rated with insulated copper
- C. Insulation Marking All insulated conductors shall be identified with printing colored to contrast
- E. Special Wiring Where special wiring is proposed by an equipment manufacturer, submit the special wiring requirements to the Owner's Representative and, if approved, provide same. Special F. Other Wiring - Wire or cable not specifically shown on the Drawings or specified, but required, shall be of the type and size required for the application and as approved by the Owner's
- G. Manufacturer Acceptable manufacturers including Cablec, Southwire, or equal.
- B. Wire Terminations Stranded conductors shall be terminated in clamping type terminations which serve to contain all the strands of the conductor. Curling of a stranded conductor around a screw type terminal is not allowed. For screw type terminations, use a fork type stake-on termination on the stranded conductor. Use only a stake-on tool approved for the fork terminals selected. C. End Seals - Heat shrink plastic caps of proper size for the wire on which used.
- A. Tape used for terminations and cable marking shall be compatible with the insulation and jacket

PART 3 - EXECUTION

- 3.01 Cable Installation A.Clean Raceways - Clean all raceways prior to installation of cables as specified in Section 16110 -Conduits Raceway and Fittings.
- B. All wiring including low voltage wiring shall be installed in conduit. C. All feeder conductors shall be continuous from equipment to equipment. Splices in feeders are not permitted unless specifically noted or approved by the Electrical Engineer. D.All branch circuit wiring shall be run concealed in ceiling spaces, walls, below floors or in crawl
- spaces unless noted otherwise. E. Cable Pulling - Exercise care in pulling wires and cables into conduit or wireways so as to avoid kinking, putting undue stress on the cables or otherwise abrading them. No grease will be permitted in pulling cables. Only soapstone, talc, or UL listed pulling compound will be
- permitted. The raceway construction shall be complete and protected from the weather before cable is pulled into it. Swab conduits before installing cables and exercise care in pulling, to avoid damage to conductors.
- F. Bending Radius Cable bending radius shall be per applicable code. Install feeder cables in one continuous length.
- G.Equipment Grounding Conductors Provide an equipment grounding conductor, whether or not it is shown on the Drawings, in all conduits or all raceways. H.Panelboard Wiring - In panels, bundle incoming wire and cables which are No. 6 AWG and smaller, lace at intervals not greater than 6 inches, nearly spread into trees and connect to their respective terminals. Allow sufficient slack in cables for alterations in terminal connections. Perform lacing with plastic cable ties or linen lacing twine. Where plastic panel wiring duct is

provided for cable runs, lacing is not necessary when the cable is properly installed in the duct.

- 3.02 Cable Terminations and Splices: A.Splices - UL Listed wirenuts.
- B. Terminations Shall comply with the following: 1. Make up and form cable and orient terminals to minimize cable strain and stress on device being terminated on. 2. Burnish oxide from conductor prior to inserting in oxide breaking compound filled terminal.
- 3.03 Circuit and Conductor Identification: A.Color Coding - Provide color coding for all circuit conductors. Insulation color shall be white for neutrals and green for grounding conductors. Conductor colors shall be as follows:
- VOLTAGE 240/120V Phase A -
- Phase B Orange (Stinger) Phase C - Blue
- Neutral White Ground - Greer
- B.Color coding shall be in the conductor insulation for all conductors #10 AWG and smaller; for
- larger conductors, color shall be either in the insulation or in colored plastic tape applied at every location where the conductor is readily accessible.
- C. Circuit Identification All underground distribution and service circuits shall be provided with plastic identification tags in each secondary box and at each termination. Tags shall identify the source transformer of the circuit and the building number(s) serviced by the circuit.

3.04 Field Tests:

- A.All systems shall test free from short circuits and grounds, shall be free from mechanical and electrical defects, and shall show an insulation resistance between phase conductors and ground of not less than the requirements of the CEC. All circuits shall be tested for proper neutral connections
- B. Insulation Resistance Tests: Perform insulation resistance tests on circuits with #2 AWG and larger conductors to be energized with a line-to-neutral voltage of 120 volts or more. Make these tests before all equipment has been connected. Test the insulation with a 500Vdc insulation resistance tester with a scale reading 100 megohms. The insulation resistance shall be 2 megohms or more. Submit results for review.

SECTION 16130

OUTLET, JUNCTION AND PULL BOXES

- PART 1 GENERAL
- 1.01 Description of Work:
- A. The work of this Section consists of providing all required labor, supervision, materials and equipment to satisfactorily complete all electrical installations shown on the drawings, included in these Specification, or otherwise needed for a complete and fully operating facility. The work shall include but not be limited to the following: B. Furnish and install all required material. orts and miscellaneous material for the satisfactor
- interconnection of all associated electrical systems. 1.02 Related Work: A. See the following specification sections for work related to the work of this section.
- 1. 16010 General Electrical Requirements. 2. 16110 Conduits, Raceway and Fittings.
- 3. 16120 Line Voltage Wire and Cable.

PART 2 - PRODUCTS

- 2.01 Outlet boxes, Junction and Pull boxes A. Standard Outlet Boxes: Galvanized, steel, knock-out type of size and configuration best suited to the application indicated on the Drawings. Minimum box size shall be 4 inches square (octagon
- for most light fixtures) by 1-1/2 inches deep with mud rings as required. B. Switch boxes: Minimum box size shall be 4 inches square by 1-1/2 inches deep with mud rings as required. Install multiple switches in standard gang boxes with raised device covers suitable for the application indicated.
- C. Conduit bodies: Cadmium plated, cast iron alloy. Conduit bodies with threaded conduit hubs and neoprene gasketed, cast iron covers. Bodies shall be used to facilitate pulling of conductors or to make changes in conduit direction only. Splices are not permitted in conduit bodies. Crouse-Hinds Form 8 Condulets, Appleton Form 35 Unilets or equal
- D. Sheet Metal Boxes: Use standard outlet or concrete ring boxes wherever possible; otherwise use a minimum 16 gauge galvanized sheet metal, NEMA I box sized to Code requirements with covers secured by cadmium plated machine screws located six inches on centers. Circle AW Products, Hoffman Engineering Company or equal.
- E. Flush Mounted Pull boxes and Junction boxes: Provide overlapping covers with flush head cover retaining screws, prime coated.

PART 3 - EXECUTION

- 3.01 Outlet Boxes
- A. General:
- 1. All outlet boxes shall finish flush with building walls, ceilings and floors except in mechanical and electrical rooms above accessible ceiling or where exposed work is called for on the Drawings 2. Install raised device covers (plaster rings) on all switch and receptacle outlet boxes installed in
- masonry or stud walls or in furred, suspended or exposed concrete ceilings. Covers shall be of a depth to suit the wall or ceiling finish. 3. Leave no unused openings in any box. Install close-up plugs as required to seal openings.
- B. Box Layout: 1. Outlet boxes shall be installed at the locations and elevations shown on the drawings or specified herein. Make adjustments to locations as required by structural conditions and to suit coordination requirements of other trades.
- 2. Locate switch outlet boxes on the latch side of doorways. 3. Outlet boxes shall not be installed back to back nor shall through-wall boxes be permitted. Outlet boxes on opposite sides of a common wall shall be separated horizontally by at least one
- stud or vertical structural member. 4. For outlets mounted above counters, benches or backsplashes, coordinate location and mounting heights with built-in units. Adjust mounting height to agree with required location for equipment served.
- 5. On fire rated walls, the total face area of the outlet boxes shall not exceed 100 square inches per 100 square feet of wall area. C. Supports:
- 1. Outlet Boxes installed in metal stud walls shall be equipped with brackets designed for attaching directly to the studs or shall be mounted on specified box supports. 2. Fixture outlet boxes installed in suspended ceiling of gypsum board or lath and plaster construction shall be mounted to 16 gauge metal channel bars attached to main ceiling runners.
- 3. Fixture outlet boxes installed in suspended ceilings supporting acoustical tiles or panels shall be supported directly from the structure above where pendant mounted lighting fixture are to be installed on the box.
- 4. Fixture Boxes above tile ceilings having exposed suspension systems shall be supported directly from the structure above. 5. Outlet and / or junction boxes shall not be supported by grid or fixture hanger wires at any locations.

3.02 Junction And Pull Boxes A. General:

- 1. Install junction or pull boxes where required to limit bends in conduit runs to not more than 360 degrees or where pulling tension achieved would exceed the maximum allowable for the cable to be installed. Note that these boxes are not shown on the Drawings. 2. Locate pull boxes and junction boxes in concealed locations above accessible ceilings or
- exposed in electrical rooms, utility rooms or storage areas. 3. Install raised covers (plaster rings) on boxes in stud walls or in furred, suspended or exposed concrete ceilings. Covers shall be of a depth to suit the wall or ceiling finish.
- 4. Leave no unused openings in any box. Install close-up plugs as required to seal openings. 5. Identify circuit numbers and panel on cover of junction box with black marker pen. B. Box Layouts:
- 1. Boxes above hung ceilings having concealed suspension systems shall be located adjacent to openings for removable recessed lighting fixtures.
- 1. Boxes installed in metal stud walls shall be equipped with brackets designed for attaching directly to the studs or shall be mounted on specified box supports. 2. Boxes installed in suspended ceilings of gypsum board or lath and plaster construction shall be
- mounted to 16 gauge metal channel bars attached to main ceiling runners. 3. Boxes installed in suspended ceilings supporting acoustical tiles or panels shall be supported
- directly from the structure above. 4. Boxes mounted above suspended acoustical tile ceilings having exposed suspension systems shall be supported directly from the structure above.

SECTION 16140

DEVICES WIRING

PART 1 - GENERAL

1.02 Related Work:

PART 2 - PRODUCTS

B. Duplex Receptacles

C. GFCI Receptacles:

2.01 Receptacles:

2.02 Switches:

2.03 Plates:

or weatherproof.

PART 3 - EXECUTION

C. Receptacles:

3.02 Installation of Wall Plates:

vertical or horizontal

color, on clear Mylar tape.

3.03 Tests:

A.Receptacles:

appearance and construction.

3.01 Installation of Wiring Devices:

1.01 Description of Work A. The work of this section consists of:

covers, as shown on the Drawings

1. 16110 Conduits, Raceways and Fittings.

1.03 Submittals: As specified in Section 16010 and Division 1.

2. 16120 Line Voltage Wire and Cable.

3. 16130 Junction and Pull Boxes.

plates and or handle operators, as shown on the Drawings.

A.General - Receptacles shall be heavy duty, high abuse, grounding type.

2. Devices shall have a nylon composition face, back and side wired.

3.Manufacturer: Hubbell #GF20 LA Series, Leviton #GFNT2 Series.

1. Manufacturer: Hubbell #HBL1221 Series, Leviton #1221 Series

to 12 hours. Unit shall be provided with warning alarm.

from No. 430 alloy having a brushed or satin finish.

unfinished walls, surface mount boxes level and plumb.

otherwise noted on the drawings

2. Toggle Switches 48 Inches from finished floor to top of box

E. Future Locations: Install blanking cover plates on all unused outlets.

ground continuity, reversed polarity, and open neutral condition.

wall. Height of device shall be as follows:

lost to other receptacles in the same circuit.

use oversized plates or sectional plates.

3. Manufacturer: Hubbell #DR20 Series. Leviton #16352 Series.

1. Furnishing, installing, and connecting all duplex receptacles complete with wall plates and/or 2. Furnishing, installing and connecting all single pole and three-way switches complete with wall

A.See the following specification sections for work related to the work of this section:

A.Submit manufacturers published descriptive literature properly marked to identify the items to be B. A single complete submittal is required for all products covered by this Section.

1. Receptacles shall be specification grade, rated 20 ampere, two-pole, 3-wire, 120 volt, NEMA 5-20 configuration, self-grounding with screw terminals. Color shall be as selected by the

1.Device shall be rated 20 ampere, 2-pole, 3-wire, 120 volt, conforming to NEMA 5-20 configuration. Face shall be nylon composition. Unit shall have an LED type red indicator light, test and reset push buttons. Color shall be as selected by the Architect. 2.GFCI component shall meet UL 943 Class A standards with a tripping time of 1/40 second at 5 milliamperes current unbalance. Operating range shall extend from -31°F to 158°F. Unit shall have transient voltage protection and shall be ceramic encapsulated for protection against

A.Switches shall be rated 20 amperes to 120/277 volts ac. Units shall be flush mounted, self-grounding, quiet operating toggle devices. Handle color shall be as selected by the Architect. B. Timed switches: Shall be as designed by Paragon Electric Company # ET2000f or Watt Stopper TS-400 rated for the voltage specified on drawings. Time out shall be adjustable from 5 minutes up

A.General - Plates shall be of the style and color to match the wiring devices, and of the required number of gangs. Plates shall conform with NEMA WD 1, UL 514 and FS W-P-455A. Plates on finished walls shall be non-metallic or stainless steel. Plates on unfinished walls and on fittings shall be of zinc plated steel or case metal and shall have rounded corners and beveled edges. B. Non-Metallic: Plates shall be plain with beveled edges and shall be nylon or reinforced fiberglass. C. Stainless Steel: Plates shall be .040 inches thick with beveled edges and shall be manufactured D.Cast Metal: Plates shall be cast or malleable iron covers with gaskets so as to be moisture resistant E. Blank Plates: Cover plates for future telephone outlets shall match adjacent device wall plates in

A.Interior Locations: In finished walls, install each device in a flush mounted box with washers as required to bring the device mounting strap level with the surface of the finished wall. On B. Mounting Heights: Adjust boxes so that the front edge of the box shall not be farther back from the finished wall plane than 1/4-inch. Adjust boxes so that they do not project beyond the finished 1. Receptacles 15 Inches from finished floor to bottom of box unless

1. Ground each receptacle using a grounding conductor, not a yoke or screw contact. 2. Install receptacles with connections spliced to the branch circuit wiring in such a way that removal of the receptacle will not disrupt neutral continuity and branch circuit power will not be

A.General - Plates shall match the style of the device and shall be plumb within 1/16-inch of the B. Interior Locations, Finished Walls: Install non-metallic plates so that all four edges are in continuous contact with the finished wall surfaces. Plaster filling will not be permitted. Do not C. Interior (not wet) Locations, Unfinished Walls: Install stainless steel or cast metal cover plates. D. Wet Locations: Install cast metal plates with gaskets on wiring devices in such a manner as to provide a rain tight weatherproof installation. Cover shall be outdoor "in-use" type.

F. Labeling: All switch and receptacle plates shall be labeled on the top portion of the plate with the panelboard and circuit number serving that device. Lettering shall be χ_{16} " minimum high, black

1. After installation of receptacles, energize circuits and test each receptacle to detect lack of



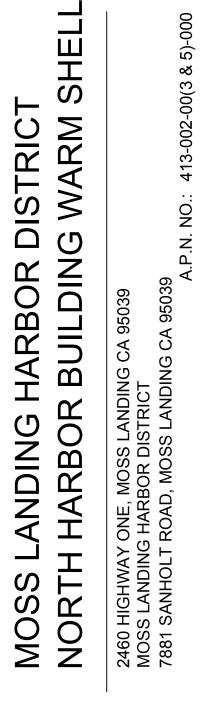
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FILE NAME



SECTION 16470

PANELBOARDS

PART 1 - GENERAL

- 1.01 Description of Work: A. The work of this Section consists of providing panelboards and circuit breakers as shown on the Drawings and as described herein. 1.02 Related Work:
- A.See the following specification sections for work related to the work in this Section. 1. 16120 Line Voltage Wire and Cable

2. 16060 Grounding 3. 16475 Circuit Breakers

- 1.03 Submittals:
- A.Shop Drawings As specified in Division 1 and Section 16010. For each panelboard furnished under this Contract, submit manufacturer's name, catalog data, and the following information: 1. Panelboard type.
- 2. Main bus and terminal connection sizes. 3. Location of line connections.
- 4. Cabinet dimension.
- 5. Gutter space. 6. Gauge of boxes and fronts.
- 7. Finish data. 8. Voltage rating.
- 9. Breaker manufacturer, types, trip rating, and interrupting ratings. 10. When information is available on the Drawings, show breaker circuit numbers and locations along with trip ratings on a panelboard layout.
- B.Single Submittal A single complete submittal is required for all products covered by this Section. C. Closeout Submittals: Submit operation and maintenance data for panelboards and circuit breakers including nameplate data, parts lists, factory and field test reports, recommended maintenance procedures and typewritten as-built panel schedules. Submit in accordance with Division 1.
- PART 2 PRODUCTS 2.01 Panelboards:
- A.General: Lighting and Receptacle Panelboards shall be the automatic circuit breaker type. The number and arrangement of circuits, trip ratings, spares and blank spaces for future circuit breakers shall be as shown on the Drawings or, if not shown, 42 circuits. All circuit breakers shall be quick-make, quick-break, thermal-magnetic, bolt-on type (unless otherwise noted on drawings), with 1, 2 or 3 poles a shown, each with a single operating handle. Tandem or piggy-back breakers shall not be used.
- B. Nameplates: 1. Each panelboard shall have a field mounted identifying, rigid, plastic nameplate giving the panel identification as shown on the Drawings. 2. Each panelboard shall have a manufacturer's nameplate showing the voltage, bus rating,
- number of phases, frequency and number of wires. C. Construction: 1. Door and trim shall be finished to match finish type and color of surrounding wall. Box shall
- be hot-dip galvanized, field finished to match the front.
- 2. Panelboards and enclosures shall conform to requirements of all relevant codes. Panelboards shall be suitable for use as service equipment.
- 3. Panelboards shall be furnished with hinged trim fronts with key latch and a typed directory card and holder. Panelboard circuits shall be arranged with odd numbers on the left and even 3.01 Installation:
- numbers on the right. Provide weatherproof, NEMA type 3R enclosures for outdoor installation.
- D.Busbars: Panelboard busbars shall be phase sequence type suitable for bolt-on circuit breakers. All busbars shall be copper.
- E. Circuit Breakers: Circuit breakers shall be the molded case type with trip and interrupting ratings as shown on the Drawings. F. Manufacturer:
- 1. Panelboard manufacturer shall be be Square D, Siemens, I.E.M., or approved equal. Panelboards shall be of the same manufacturer as the switchboard.

PART 3 - EXECUTION

- 3.01 Installation: Panelboards shall be installed where indicated on the Drawings, and in accordance with the manufacturer's instructions.
- 3.02 Mounting: B. Panelboards shall be mounted with the top of the box 6'-6" above the floor. Panelboards shall be plumb within 1/8-inch. The highest breaker operating handle shall not be higher than 72 inches above the floor.
- 3.03 Field Tests:
- A. Insulation Resistance Tests: Perform insulation resistance tests on circuits with #2 AWG and larger conductors to be energized with a line-to-neutral voltage of 120 volts or more. Make these tests after all equipment has been connected, except that equipment which may be damaged by the **SECTION 16520** test voltage shall not be connected. Test the insulation with a 500Vdc insulation resistance tester with a scale reading 100 megohms. The insulation resistance shall be 2 megohms or more. Submit results for review.
- B. Grounding: Grounding shall conform to Section 16060. C. Continuity: Panelboard circuits shall be tested for continuity prior to
- energizing. Continuity tests shall be conducted using a dc device with a bell or buzzer. SECTION 16475

CIRCUIT BREAKERS

PART 1 - GENERAL

- 1.01 Description of Work:
- A. The work of this Section consists of providing circuit breakers as shown on the Drawings and as described herein.
- 1.02 Related Work: See the following Specification Sections for work related to the work in this A. 16010 General Electrical Requirements
- B. 16470 Panelboards
- 1.03 Submittals:
- A. Shop Drawings Submittals shall be in accordance with Section 16010 and Division 1. For each circuit breaker furnished under this Contract, submit manufacturer's name, catalog data, and the following information: 1. Terminal connection sizes.
- 2. Voltage rating.
- 3. Breaker manufacturer, types, trip ratings and interrupting ratings. B. Single Submittal - A single complete submittal is required for all products covered by this Section. C. Closeout Submittals: Submit in accordance with Division 1 and Section 16010, operation and maintenance data for circuit breakers including nameplate data, parts lists, manufacturer's circuit breaker timer, current, coordination curves, factory and field test reports and recommended maintenance procedures.

PART 2 - PRODUCTS

- 2.01 Circuit Breaker: Each circuit breaker shall consist of the following:
- A. A molded case breaker with an over center toggle-type mechanism, providing quick-make, quick-break action. Each circuit breaker shall have a permanent trip unit containing individual thermal and magnetic trip elements in each pole. Multipole circuit breakers shall have variable magnetic trip elements which are set by a single adjustment to assure uniform tripping characteristics in each pole. Circuit breakers shall be of the bolt-on type unless otherwise noted.
- B. Breaker shall be calibrated for operation in an ambient temperature of 40°C. C. Each circuit breaker shall have trip indication by handle position and shall be trip-free. D. Three pole breakers shall be common trip.
- E. The circuit breakers shall be constructed to accommodate the supply connection at either end of the circuit breaker. Circuit breaker shall be suitable for mounting and operation in any position. F. Breakers shall be rated as shown on Drawings.
- G. Circuit breaker and/or Fuse/circuit breaker combinations for series connected interrupting ratings shall be listed by UL as recognized component combinations for use in the end use equipment in
- which it is installed. Any series rated combination used shall be marked on the end use equipment
- per CEC section 110-22. H. Breakers shall be UL listed. Circuit breakers shall have removable lugs.
- I. Lugs shall be UL listed for copper and aluminum conductors.
- J. Breakers shall be UL listed for installation of mechanical screw type lugs. K. Circuit breakers serving HACR rated loads shall be HACR type. Circuit breakers serving other motor loads shall be motor rated.

PART 3 - EXECUTION

3.01 Mounting: A. The highest breaker operating handle shall not be higher than 72 inches above the floor. **SECTION 16500**

LIGHTING

PART 1 - GENERAL

- 1.01 Description of Work: A.The work of this section consists of providing a lighting system complete, including fixtures, lamps, hangers, reflectors, glassware, lenses, auxiliary equipment.
- 1.02 Related Work:
- A.See the following specification sections for work related to the work of this section: 1. 16010 General Electrical Requirements. 2. 16110 Conduit, Raceway and Fittings. 3. 16120 Line Voltage Wire and Cable.
- 4. 16130 Junction and Pull Boxes.
- 1.03 Submittals: In accordance with Division 1. A.Submit descriptive data, photometric curves for each fixture configuration proposed. B.Submit shop drawings showing proposed methods for mounting lighting fixtures. C.Seismic Requirements: Submit:
- 1. Sketch or description of the anchorage system. D.Submit Operation and Maintenance Data per Division 1.

PART 2 - PRODUCTS

- 2.01 Fixtures
- A.Fixtures shall be of the types, wattage's and voltages shown on the Drawings and be UL classified and labeled for the intended use. B.Substitutions will not be considered unless the photometric distribution curve indicates the
- proposed fixture is equal to or exceeds the specified luminaire. C. Luminaire wire, and the current carrying capacity thereof shall be in accordance with the CEC.
- D.Luminaires and lighting equipment shall be delivered to the project site complete, with suspension accessories, aircraft cable, stems, canopies, hickeys, castings, sockets, holders, ballasts, diffusers,
- frames, and related items, including support and braces.
- 2.02 LED Power Supplies / Drivers: A.Power Supplies and Drivers shall be of the types shown on the drawings. Drivers shall be CBM
- certified and bear the UL label. Drivers shall be the high power factor type and have a 10% maximum total harmonic distortion. B. Drivers shall be Sound Rated A+ or will be rejected and shall be replaced at no expense to the Owner

2.03 Light Sources:

- A.All LED sources shall be new at the time of acceptance; been fabricated within 12 months before installation per the date code on the module; and shall be CREE, General Electric, Osram /Sylvania, Phillips, or approved equal. B. Unless otherwise noted on the drawings, Light Engines shall have the highest available
- efficacy, 3500°K, and 85 CRI minimum.

PART 3 - EXECUTION

- A. General:
- 1. All fixtures and luminaires shall be clean and light engines shall be operable at the time of acceptance
- 2. Install luminaires in accordance with manufacturer's instructions, complete with power supply/driver, light source and controls, ready for operation as indicated.
- 3. Align, mount, and level the luminaires uniformly. 4. Avoid interference with and provide clearance for equipment. Where an indicated position
- conflicts with equipment locations, change the location of the luminaire by the minimum distance necessary. B. Mounting and Supports:
- 1. Mounting heights shall be as shown on the Drawings. Unless otherwise shown, mounting height shall be measured to the centerline of the outlet box for wall mounted fixtures and to the bottom of the fixture for suspended fixtures and to the bottom of the fixture for all other types. 2. Luminaire supports shall be anchored to structural members.
- 3. Pendant stem mounted luminaires shall be provided with ball aligners to assure a plumb installation and shall have a minimum 45 degree clean swing from horizontal in all directions.
- Sway bracing shall be installed as required to limit the movement of the fixture. Fixtures shall be allowed to sway a maximum of 45° without striking any object.
- 4. Fixture supports shall be designed to resist earthquake forces of seismic area 5. Refer to fixture mounting details on drawings for installation requirements.
- 6. Pendant cable mounted luminaries shall be provided with fully adjustable stainless steel aircraft cable hangers unless otherwise noted on the Drawings.

CONTROLS

PART 1 - PRODUCTS

- 1.01 Control Devices A. See details on sheet E6.2.
- PART 2 EXECUTION

NA7.7.6.

2.01 Support Services:

- A. System Start Up and Commissioning 1. Manufacturer shall provide a factory authorized technician to confirm proper installation and operation of the lighting control sensors, controllers, switches, and occupancy sensors. 2. The technician shall provide training on the lighting control features of the system.
- 2.02 Optional Acceptance Testing Support Services:
- A. A certified lighting controls acceptance test technician (CLCATT) must verify the installation of the lighting control system. Manufacturer should include an extra day of factory technician's time to assist the CLCATT review the functionality and settings of the lighting control hardware per the requirements in the California State forms. It will be the CLCATT's responsibility to create and complete any forms required for the commissioning process, although the manufacturer or contractor may offer spreadsheets and/or printouts to assist the CLCATT with this task.
- 2.03 Lighting Control Installation Certificate Requirements: A. When certification is required by Title 24, Part 1, Section 10-103-A, the acceptance testing specified by Section 130.4 shall be performed by a Certified Lighting Controls Acceptance Test Fechnician (CLCATT) employed or hired by the electrical contractor. If the CLCATT is operating as an employee, the CLCATT shall be employed by a Certified Lighting Controls Acceptance Employer. The CLCATT shall disclose on the Certificate of Acceptance a valid CLCATT certification identification number issued by an approved Acceptance Test Technician
- Provider. The CLCATT shall complete all Certificate of Acceptance documentation in accordance with the applicable requirements in Section 10-103(a)4. B. Lighting Control Installation Certificate Requirements. To be recognized for compliance with Part 6 an Installation Certificate shall be submitted in accordance with Section 10-103(a) for any lighting control system, Energy Management Control System, track lighting integral current limiter, track lighting supplementary overcurrent protection panel, interlocked lighting system, lighting Power Adjustment Factor, or additional wattage available for videoconference studio, in
- accordance with the following requirements, as applicable: 1. Certification that when a lighting control system is installed to comply with lighting control requirements in Part 6 it complies with the applicable requirements of Section 110.9; and complies with Reference Nonresidential Appendix NA7.7.1. 2. Certification that when an Energy Management Control System is installed to function as a lighting control required by Part 6 it functionally meets all applicable requirements for each
- application for which it is installed, in accordance with Sections 110.9, 130.0 through 130.5, 140.6 through 150.0, and 150.2; and complies with Reference Nonresidential Appendix NA7.7.2. 3. Certification that line-voltage track lighting current limiters comply with the applicable requirements of Section 110.9 and installed wattage has been determined in accordance with
- Section 130.0[©]; and comply with Reference Nonresidential Appendix NA7.7.3. 4. Certification that line-voltage track lighting supplemental overcurrent protection panels comply with the applicable requirements of Section 110.9 and installed wattage has been determined in accordance with Section 130.(c); and comply with Reference Nonresidential Appendix NA7.7.4.

5. Certification that interlocked lighting systems used to serve an approved area comply with Section 140.6(a)1; and comply with Reference Nonresidential Appendix NA7.7.5.

6. Certification that lighting controls installed to earn a lighting Power Adjustment Factor (PAF) comply with Section 140.6(a)2; and comply with Reference Nonresidential Appendix 7. Certification that additional lighting wattage installed for a videoconference studio complies

with Section 140.6(c)Gvii; and complies with Reference Nonresidential Appendix NA 7.7.7.



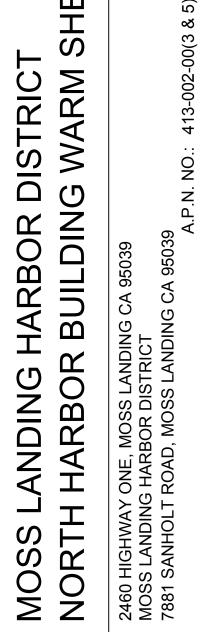
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SHEET NAME: ELECTRICAL SPECIFICATIONS

SHEET NO .:

E7.2