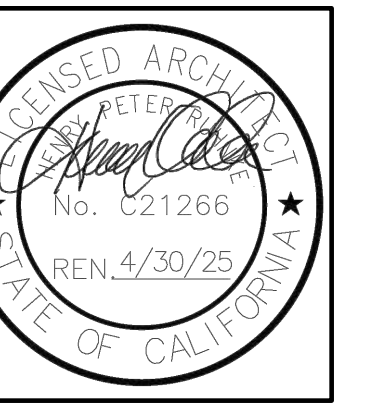




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**A5.602  
CALGreen VERIFICATION GUIDELINES  
MANDATORY MEASURES CHECKLIST  
(2019 SUPPLEMENT effective July 1, 2021)**

**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**

**DIVISION 5.1 Planning and Design**

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	O	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					
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					
Mandatory	[N] Future charging spaces with note	5.106.5.3.5					

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	O	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					

**DIVISION 5.2 Energy Efficiency**

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Meet the minimum energy efficiency standard	5.201.1					

**DIVISION 5.3 Water Efficiency and Conservation**

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Separate meters (new buildings or additions > 50,000 sf that consume more than 100 gal/day)	5.303.1.1					
Mandatory	Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2					
Mandatory	Water closets shall not exceed 1.28 gallons per flush (gpf)	5.303.3.1					
Mandatory	Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1					
Mandatory	Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2					

**DIVISION 5.4 Material Conservation and Resource Efficiency**

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	O	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	O	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					

Requirement	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
Mandatory	Commissioning report [N]	5.410.2.6					
Mandatory	Testing and adjusting for new buildings < 10,000 sf or new 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	O	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					
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					
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	O	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	O	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					
Mandatory	Aerosol paints and coatings	5.504.4.3.1					

**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. : 413-002-001 & 51000

JOB NO.  
**22084**  
 PRINT DATE:  
 PLOT DATE: 7.20.2023  
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PLAN CHECK SUBMITTAL: 12/16/22  
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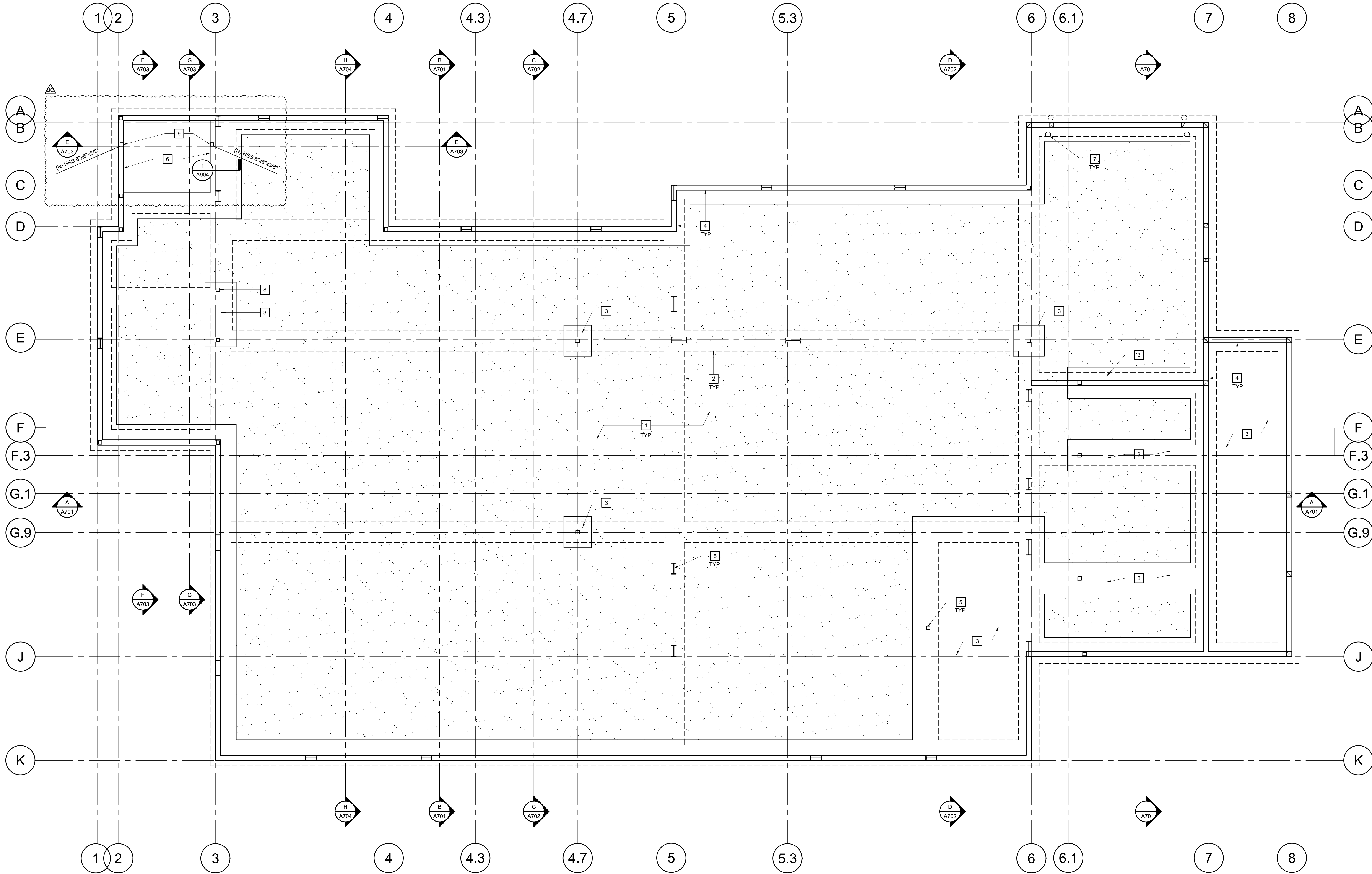
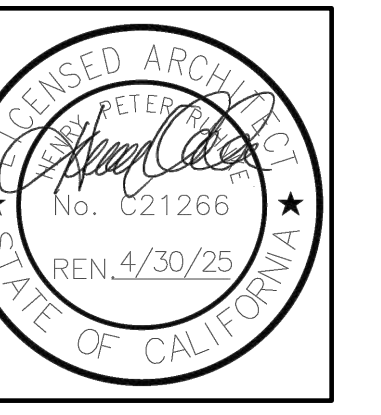
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**CAL GREEN  
CHECKLIST**

SHEET NO.:

**A002**

FILE NAME: 22084-A002



**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**

2480 HIGHWAY ONE, MOSS LANDING CA 95039  
MOSS LANDING HARBOR DISTRICT  
7881 SANHOLT ROAD, MOSS LANDING CA 95039  
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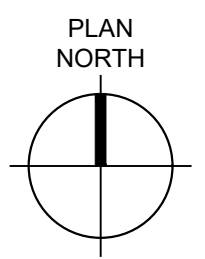
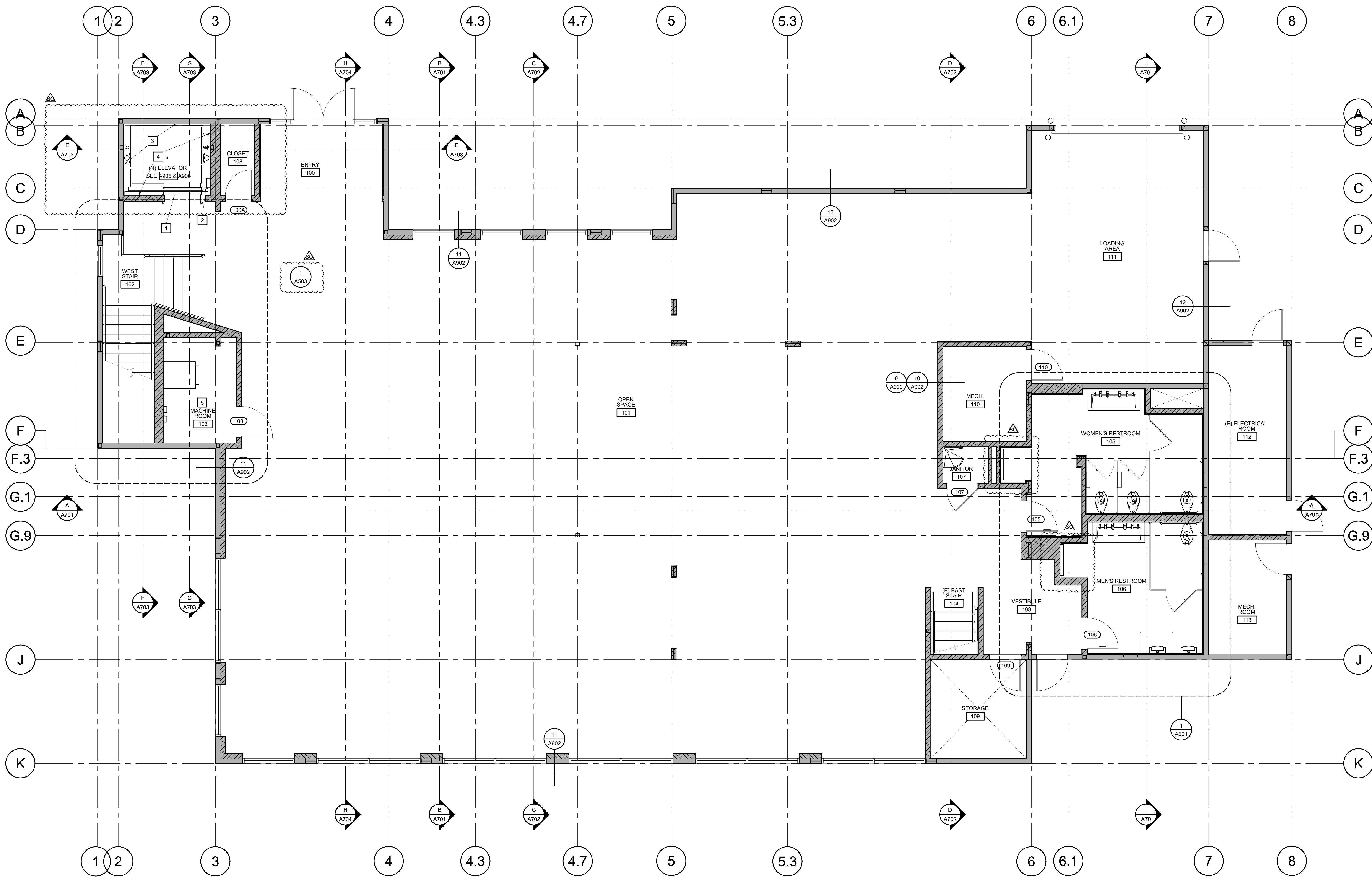
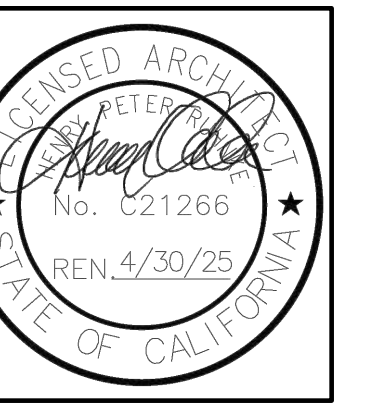
KEY NOTES	
THE NOTES THAT FOLLOW APPLY TO THE DRAWING(S) ON THIS SHEET ONLY. REFER TO FOLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWINGS.	
1	NEW CONCRETE SLAB, SEE 1/A903
2	LINE OF (E) FOUNDATION AND GRADE BEAMS, SEE 1/A903 FOR INTERFACE WITH NEW CONCRETE SLAB
3	(E) FINISH FLOOR SLAB ESTABLISHING THE FINISH FLOOR OF ALL NEW CONCRETE SLAB WORK, PROTECT EXISTING SLAB IN PLACE DURING ALL CONSTRUCTION OPERATIONS
4	LINE OF EXISTING EXTERIOR AND INTERIOR WALLS, SEE FLOOR PLANS FOR NEW WALL WORK
5	EXISTING STEEL COLUMN OR MOMENT FRAME TO REMAIN U.N.O., PROTECT IN PLACE
6	EXISTING ELEVATOR PIT, FIELD VERIFY SIZE AND LOCATION FOR NEW ELEVATOR
7	EXISTING STEEL PIPE BOLLARD, PROTECT IN PLACE
8	EXISTING STEEL COLUMN TO BE REMOVED
9	NEW STEEL COLUMN FOR ELEVATOR RAIL SUPPORT, COORDINATE LOCATION AND PROVIDE ALL STEEL COMPONENTS ON COLUMNS FOR A COMPLETE RAIL SUPPORT INSTALLATION PER NEW ELEVATOR MANUFACTURER REQUIREMENTS

SHEET NAME:  
**FIRST FLOOR  
CONCRETE SLAB  
INFILL PLAN**

SHEET NO.:

**A200**

FILE NAME: 22084-A200



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

KEY NOTES		WALL LEGEND	
THE 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	NEW STEEL ELEVATOR SILL, SEE 5A703, COORDINATE DETASIS WITH NEW ELEVATOR MANUFACTURER REQUIREMENTS	(E) WOOD STUD EXTERIOR WALL	
2	NEW ELEVATOR PIT LADDER, SEE 4A903, COORDINATE DETASIS WITH NEW ELEVATOR MANUFACTURER REQUIREMENTS	(N) 2x WOOD STUD WALL	
3	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	(N) 2x WOOD STUD STUD FURRING OVER (E) WOOD STUD WALL	
4	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 WALLBOARD AT EACH SIDE APPLIED PER CBC TABLE 721.1 (2) ITEM NO. 14-1.3		
5	ONE HOUR RATED MACHINE ROOM 103, SEE PARTIAL PLAN AND SHEET A503 FOR RATING DETAILS		

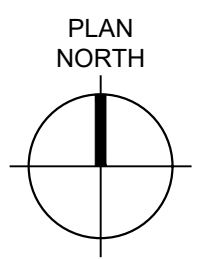
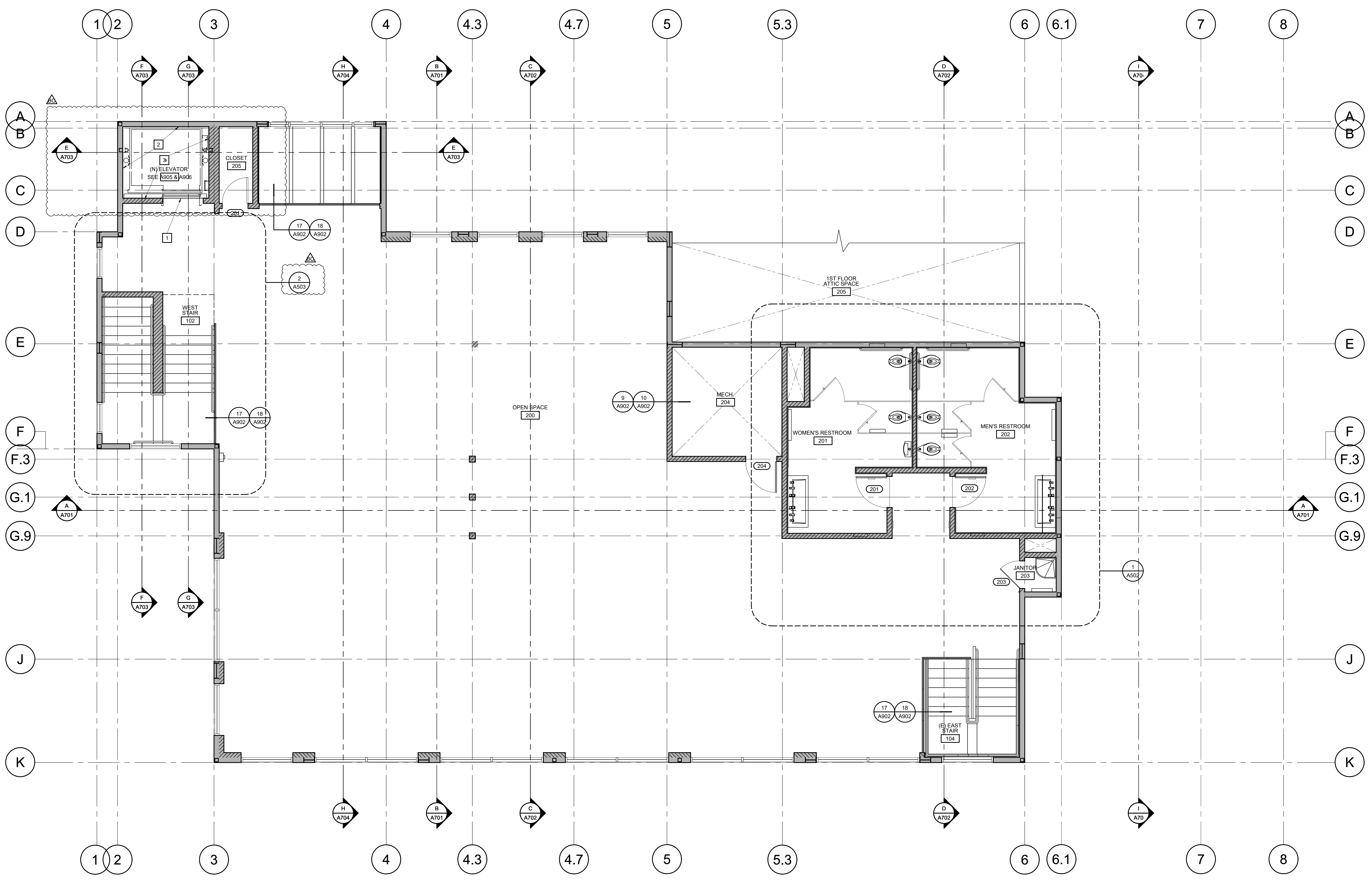
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NORTH HARBOR BUILDING WARM SHELL**  
2460 HIGHWAY ONE, MOSS LANDING CA 95039  
MOSS LANDING HARBOR DISTRICT  
7881 SANHOLT ROAD, MOSS LANDING CA 95039  
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**FIRST FLOOR PLAN**  
SHEET NO.:

**A201**  
FILE NAME: 22084-A201



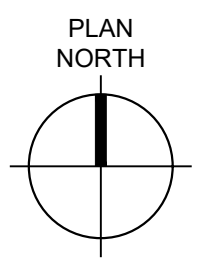
**SECOND FLOOR PLAN**  
SCALE: 1/4"=1'-0"

KEY NOTES		WALL LEGEND	
THE 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	NEW STEEL ELEVATOR SILL, SEE 5A703. COORDINATE DETAIL WITH NEW ELEVATOR MANUFACTURER REQUIREMENTS.	(E) WOOD STUD EXTERIOR WALL	
2	EXISTING EXTERIOR WALL 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	(N) 2x WOOD STUD WALL	
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 WALLBOARD AT EACH SIDE APPLIED PER CBC TABLE 721.1 (2) ITEM NO. 14-1.3	(N) 2x WOOD STUD STUD FURRING OVER (E) WOOD STUD WALL	

**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**  
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SHEET NAME:  
**SECOND FLOOR PLAN**  
SHEET NO.:  
**A202**  
FILE NAME: 22084-A202



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

KEY NOTES	WALL LEGEND
<p>THE NOTES THAT FOLLOW APPLY TO THE DRAWING(S) ON THIS SHEET ONLY. REFER TO FOLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWINGS.</p> <p>1 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</p>	<p>(E) WALL BELOW, OR EXISTING HIGH CEILING WALLS ADJACENT TO PENTHOUSE. SEE FLOOR PLANS</p> <p>(E) PENTHOUSE WALL</p> <p>(N) 2x WOOD STUD WALL OR VERTICAL CEILING TRANSITION WALL</p>

**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**

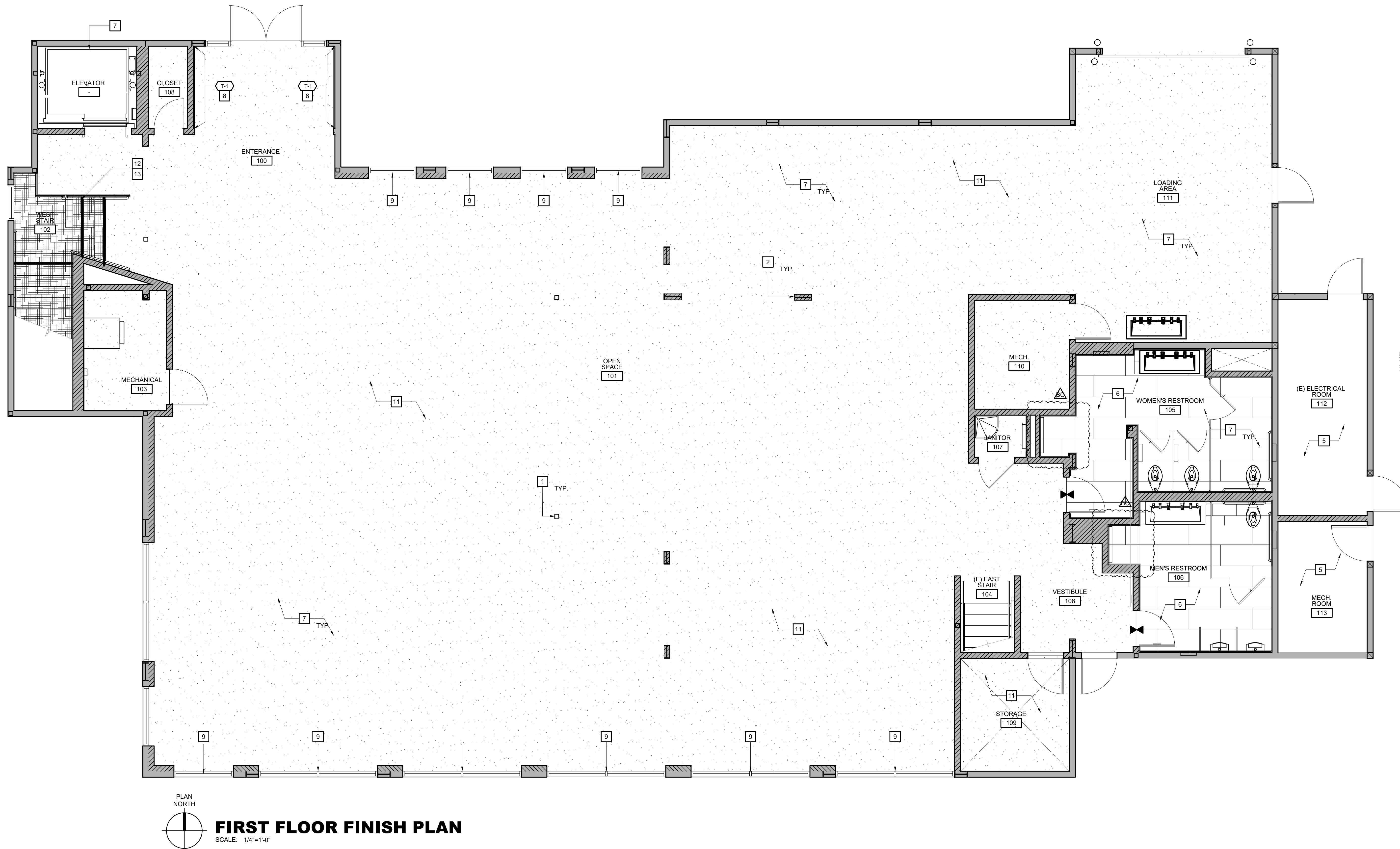
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SHEET NAME:  
**PENTHOUSE LEVEL FLOOR PLAN**  
SHEET NO.:

**A203**



PLAN NORTH  
**FIRST FLOOR FINISH PLAN**  
 SCALE: 1/4"=1'-0"

**FINISH GENERAL NOTES**

- ALL WALLS SHALL BE FINISHED WITH 5/8" 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 ASTM C1178, 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 MANUFACTURER'S RECOMMENDATIONS.
- 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 MANUFACTURER'S RECOMMENDATION.
- 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.
- CONTRACTOR SHALL PATCH AND PAINT AND/OR RE-FINISH ALL EXISTING WALL CONDITIONS AS REQUIRED TO MATCH THE EXISTING CONDITION. VERIFY WITH OWNER.
- ALL FLOORING MATERIAL TRANSITIONS SHALL OCCUR AT THE CENTERLINE OF THE DOORS SEPARATING ROOMS U.N.O.
- FLOORING SUB-CONTRACTOR(S) SHALL FIELD VERIFY THE EXISTING FLOOR CONDITION PRIOR TO BID AND INSTALLATION.
- ALL TILE AND HARDWOOD FLOORING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 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 SPREAD CLASSIFICATION OF THE TABLE 8-B OF THE CURRENT EDITION OF THE C.B.C.
- 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.
- FIRE BLOCKING SHALL BE PROVIDED AS REQUIRED AND IN ACCORDANCE WITH THE CURRENT EDITION OF THE C.B.C.
- GYPSUM BOARD WALL / CEILING SHALL BE LEVEL 4, SMOOTH FINISH AND PRIMED FOR PAINT, TYP.
- ALL EXPOSED METAL SHALL BE SANDED, PREP, AND PRIMED FOR PAINT (P-2) TYP.

**FINISH KEY NOTES**

- (E) STEEL HOLLOW TUBES TO BE PREPPED FOR PAINTING.
- (E) I-BEAMS TO BE COVERED IN GYPSUM WALL BOARD.
- (NOT USED)
- (NOT USED)
- NEW TILE IN RESTROOM. SEE ROOM FINISH SCHEDULE A213.
- NEW RESTROOMS, SEE ENLARGED ON INTERIOR ELEVATIONS SHEET 1/A501.
- PRIME ALL GYPSUM BOARD FOR PAINT, TYPICAL.
- ACCENT WALL, TILE FROM FLOOR TO CEILING. SEE ROOM FINISH SCHEDULE A213.
- (N) WINDOW COVERINGS. SEE ROOM FINISH SCHEDULE A213.
- (NOT USED)
- POUR (N) CONCRETE AND APPLY SEALANT. FIRST FLOOR, ONLY.
- TILE STAIRCASE AND LANDING. SEE ROOM FINISH SCHEDULE A213.
- INSTALL 3M SAFETY-WALK 2" BLACK ANTI-SLIP TAPE ON ACCENT TREADS. FIRST STEP AND LAST STEP BEFORE LANDINGS TO BE ACCENT TREADS. INSTALL TAPE MIN. 1" FROM EDGE OF TREAD NOSING.
- NEW CEILING-MOUNTED PENDANT LIGHT INSTALLED ABOVE. SEE SECOND FLOOR RCP A223.

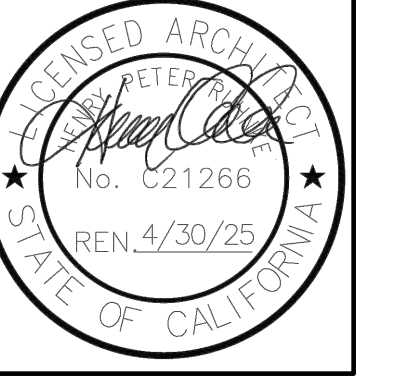
**LEGEND**

- 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.
- T-3, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.
- T-4 AND T-5, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.



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

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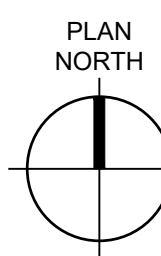
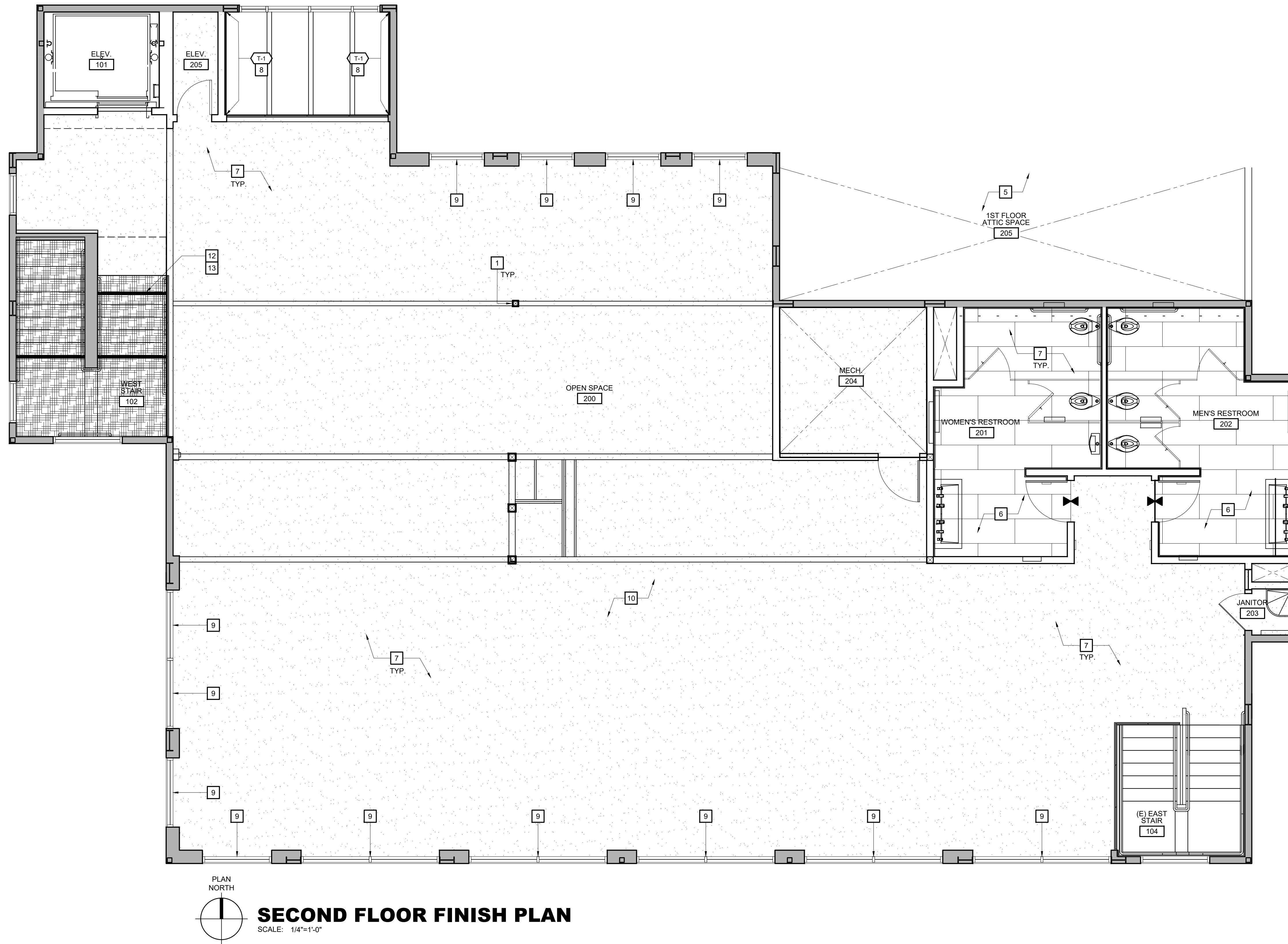
**MOSS LANDING HARBOR DISTRICT  
 NORTH HARBOR BUILDING WARM SHELL**  
 2460 HIGHWAY ONE, MOSS LANDING CA 95039  
 MOSS LANDING HARBOR DISTRICT  
 7881 SANHOLT ROAD, MOSS LANDING CA 95039  
 A.P.N. NO. 413-002-0016 & 51000

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:  
**FIRST FLOOR  
 FINISH  
 PLAN**  
 SHEET NO.:

**A211**

FILE NAME: 22084-A211



**SECOND FLOOR FINISH PLAN**

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

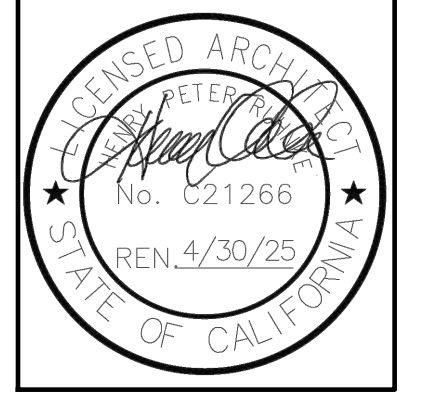
**FINISH GENERAL NOTES**

1. ALL WALLS SHALL BE FINISHED WITH 5/8" 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.
2. 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 ASTM C1178, C1288 OR C1325 AND SHALL BE INSTALLED IN ACCORDANCE WITH CBC SECTION 2509.2.
3. CONTRACTOR SHALL SEAL ALL NEW WALL BOARD CONDITIONS WITH PVA PRIMER PRIOR TO FINISH PAINT. APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. CONTRACTOR SHALL SUBMIT SAMPLES PRIOR TO PLACING FULL ORDERS WHERE MATERIALS ARE NOT RETURNABLE.
5. 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 MANUFACTURER'S RECOMMENDATION.
6. ALL PAINT FINISH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
7. ALL PAINT FINISH OF METAL DOOR FRAMES, PERIMETER ENCLOSURES, ETC., SHALL BE SEMI-GLOSS, U.N.O.
8. 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 BATT'S 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.

**WR&D**  
**WALD RUHNKE & DOST**  
**ARCHITECTS LLP**

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**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.

**FINISH LEGEND**

- 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.
- T-3, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.
- ST-1, SEE FINISH LEGEND & ROOM FINISH SCHEDULE SHEET A213.

**MOSS LANDING HARBOR DISTRICT**  
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SHEET NAME:  
**SECOND FLOOR FINISH PLAN**

SHEET NO.:

**A212**

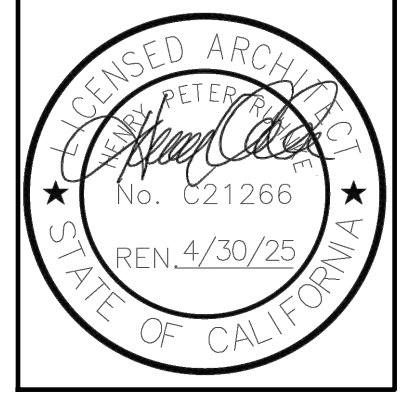
FILE NAME: 22084-A212





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 A.P.N. NO.: 413-002-001G & 5J-000

JOB NO.  
**22084**  
 PRINT DATE:  
 PLOT DATE: 7.20.2023  
 DRAWN BY: JP  
 CHECKED BY: ME  
 SET ISSUED:  
 PLAN CHECK SUBMITTAL: 12/16/22  
 BACKCHECK SUBMITTAL: 7/10/23  
 BID SET: 10/1/23

SHEET NAME:  
**ROOM FIN.  
 SCHED. AND  
 DOOR SCHED.**  
 SHEET NO.:

**A213**  
 FILE NAME: 22084-213

DOOR SCHEDULE												
DOOR NUMBER	FINISH	DOOR TYPE	SIZE			DETAIL REFERENCE			FRAME ASSEMBLY	HARDWARE GROUP	GLASS TYPE	NOTES
			WIDTH	HEIGHT	THK.	HEAD	JAMB	THRESH.				
100A	A	●	2'-6"	7'-0"	1 3/4"	5	6		HM	1		
103	B	●	3'-0"	7'-0"	1 3/4"	5	6		HM	2	1 HOUR LABEL	
105	A	●	3'-0"	7'-0"	1 3/4"	5	6	7	HM	3		
106	A	●	3'-0"	7'-0"	1 3/4"	5	6	7	HM	3		
107	A	●	3'-0"	7'-0"	1 3/4"	5	6		HM	1		
109	A	●	3'-0"	7'-0"	1 3/4"	5	6		HM	2		
110	A	●	3'-0"	7'-0"	1 3/4"	5	6		HM	2		
200	A	●	2'-6"	7'-0"	1 3/4"	5	6		HM	1		
201	A	●	3'-0"	7'-0"	1 3/4"	5	6	7	HM	3		
202	A	●	3'-0"	7'-0"	1 3/4"	5	6	7	HM	3		
203	A	●	3'-0"	7'-0"	1 3/4"	5	6		HM	1		
204	A	●	3'-0"	7'-0"	1 3/4"	5	6		HM	2		

ROOM FINISH SCHEDULE												
ROOM NUMBER	ROOM NAME	FLR.	BASE	WALLS (PLAN DIRECTION)				WAINSCOT	CSWK.		GLG.	NOTES
				N.	E.	S.	W.		CTR. TOP.	CAB. WORK.		
100	ENTRY	CONC-1	-	T-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 T-2	P-1 T-2	P-1 T-2	P-1 T-2			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 T-2			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 T-2					
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 T-2					
-	ELEVATOR	EV-1	-	EV-1	EV-1	EV-1	EV-1					

DOOR TYPES	
	A. SGL S.C. WOOD DOOR
	B. SGL HOLLOW METAL DOOR

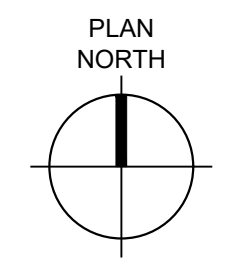
- ### DOOR NOTES
- ALL SWINGING DOORS TO ACCESSIBLE SPACES SHALL COMPLY W/ THE FOLLOWING (U.N.O.):
- MINIMUM 3'-0"x6'-8" MINIMUM U.N.O. DOOR HEIGHTS SHALL MATCH EXISTING CONDITION WHERE APPLICABLE.
  - BOTTOM 12" SHALL BE A SMOOTH, SOLID SURFACE AT THE BOTTOM.
  - BE OPERABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT.
  - LATCHING HARDWARE MOUNTED 34" TO 44" ABOVE FINISH FLOOR SURFACE.
  - THRESHOLD CHANGE IN HEIGHT BETWEEN FLOOR SURFACES ON EITHER SIDE OF DOOR SHALL NOT EXCEED 1/2".
  - LEVER TYPE LATCHSET AND LOCKSET HANDLES SHALL COMPLY WITH TITLE-24 ACCESSIBILITY REQUIREMENTS.
  - PRESSURE TO OPERATE EXTERIOR AND INTERIOR DOORS SHALL NOT EXCEED 5.0 lbs., AND FIRE RATED DOORS SHALL NOT EXCEED 15lbs. PER CBC SECTION 11B-404.2.3 ALL DOORS SHALL BE ADJUSTED TO MEET THIS REQUIREMENT.
  - PROVIDE ACCESSIBLE HARDWARE THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
  - ALL EXTERIOR DOORS TO BE WEATHER STRIPPED WITH PEMKO 588D WEATHER STRIPPING, U.N.O.
  - ALL EXTERIOR DOORS TO HAVE TOP CLOSER STRIP, U.N.O.
  - AUTOMATIC FLUSH BOLTS ARE ALLOWED ONLY ON PAIRS OF DOORS WHERE THE DOOR WITH THE BOLT HAS NO KNOBS OR SURFACE-MOUNTED HARDWARE C.B.C., SECTION 1010.
  - ALL HOLLOW METAL DOOR FRAMES SHALL HAVE WELDED CORNERS, GROUND SMOOTH WITH REINFORCED CORNERS AND HINGE LOCATIONS.
  - THE FORMALDEHYDE EMISSION LEVEL OF ALL NEW DOORS SHALL NOT EXCEED 20 ppb.
  - ALL INTERIOR DOORS SHALL BE OF MINIMUM DIMENSION 3'-0"x6'-8"x1/2" THICK. FLUSH SOLID CORE WOOD DOORS WITH KEYS LOCKSETS. FACE VENEER SHALL BE ROTARY CUT BOOK-MATCHED PREMIUM BIRCH, MAPLE OR OAK SUITABLE FOR STAINED OR NATURAL TRANSPARENT FINISH. ALL DOUBLE DOORS TO BE "BOOK MATCHED".
  - FIRE RATED DOOR AND FRAME ASSEMBLIES SHALL BE INSTALLED WHERE NOTED OR AS REQUIRED BY CODE. DOORS AND FRAMES SHALL BEAR UNDERWRITERS LABORATORY (UL) LABEL FOR REQUIRED FIRE RESISTIVE RATING. MODIFICATION OF LABELED ASSEMBLIES.
  - DOORS SEPARATING CONDITIONED AND NONCONDITIONED SPACE SHALL BE WEATHER STRIPPED OR GASKETED TO EFFECTIVELY AND RELIABLY LIMIT AIR INFILTRATION. ADHESIVE FOAM-TYPE OR FELT WEATHER STRIPPING IS NOT ACCEPTABLE.
  - THRESHOLDS SHALL COMPLY WITH CBC SECTION 11B-404.2.5
  - MOUNTING HEIGHT OF LATCHING HARDWARE/ HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" TO 44" A.F.F. PER CBC SECTION 11B-404.2.7
  - FURNISH AND INSTALL ALL HARDWARE AS REQUIRED FOR A COMPLETE ASSEMBLY. THE WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, LOCKS, LATCHES, DOOR BUTTS WITH NON-REMOVABLE PINS ON OUT SWINGING EXTERIOR DOORS, AND DOOR STOPS, WHERE INDICATED ON PLANS. THE WORK INCLUDES METAL THRESHOLDS, METAL KICK PLATES, METAL PUSH PLATES, SINGLE OR DOUBLE ACTING SELF-CLOSING GRAVITY OPERATED GATE HINGERS.
  - ALL DOORS NOT SCHEDULED ARE EXISTING - NO WORK UNLESS NOTED OTHERWISE. PROTECT FROM DAMAGE.

HARDWARE SCHEDULE					
GROUP #	QTY.	PER	DESCRIPTION	PRODUCT #	FINISH MANUFACTURER
HARDWARE GROUP 01:	2	EA	CONTINUOUS HINGE	124HD	628 IVE
	1	EA	DUST PROOF STRIKE	DP1	282 IVE
	1	EA	3 PT DEADLOCK	MS1851S x 4015 x 4085	628 ADA
	2	EA	MORTISE CYLINDER	20-013 1-1/4"	626 SCH
	1	EA	EXIT INDICATOR	4089	628 ADA
	1	EA	CYLINDER GUARD	MS4043	628 ADA
	2	EA	PULL/PUSHBAR	9190-2-NO	630 IVE
	2	EA	SURFACE CLOSER	1461 EDA FCOV	698 LCN
	2	EA	OVERHEAD HOLDER	100H	630 GLY
	1	EA	THRESHOLD	-	AL PEM
1	EA	SIGN	773 THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS	TBO TRI	
HARDWARE GROUP 02:	3	EA	HINGE	58B1 4.5 X 4.5	640 IVE
	1	EA	FIRE EXIT HARDWARE	22LF 230L-06	313 VON
	1	EA	MORTISE CYLINDER	20-001 1-1/4"	613 SCH
	1	EA	SURFACE CLOSER	1461 EDA FC	695 LCN
	1	EA	WALL STOP	WS407CCV	613 IVE
1	SET	SEALS	5050B	BRN NGP	
HARDWARE GROUP 03:	3	EA	HINGE	58B1 4.5 X 4.5	640 IVE
	1	EA	PUSH PLATE	8200 4" X 16"	613 IVE
	1	EA	PULL PLATE	8302-8 4" X 16"	613 IVE
	1	EA	SURFACE CLOSER	1461 FC	695 LCN
	1	EA	KICK PLATE	8400 10" X 2" LDW	613 IVE
1	SET	WALL STOP	WS407CCV	613 IVE	

MANUFACTURER'S SYMBOLS		
ADA =	ADAMS RITE MFG.	ALUMINUM DOOR HARDWARE
GLY =	GLYNN-JOHNSON CORPORATION	OVERHEAD DOOR STOPS
IVE =	IVES	HINGES, BOLTS, COORDINATORS, DUST PROOF STRIKES, PUSH PULL & KICK PLATES, DOOR STOPS & SILENCERS
LCN =	LCN	DOOR CLOSERS
NGP =	NATIONAL GUARD PRODUCTS	THRESHOLDS, GASKETING & WEATHER-STRIPPING
SCH =	SCHLAGE LOCK COMPANY	LOCKS, LATCHES & CYLINDERS
TRI =	TRIMCO	SIGNS
VON =	VON DUPRIN	EXIT DEVICES

FINISH LEGEND					
<b>FLOORING:</b>			<b>BASE:</b>		
CONC - 1	TYPE: MANUFACTURER: SEALED CONCRETE STYLE/FINISH: CAESAR COLOR/PATTERN: LIFE SIZE: N/A NOTE: LOCATED AT FIRST FLOOR CONTACT: -		B-1	TYPE: MANUFACTURER: COVE BASE STYLE/FINISH: AMERICAN CLEAN COLOR/PATTERN: NEOCRETE COLOR/PATTERN: CHARCOAL NE14 #P36CS SIZE: 6" X 12" X 5/16" THICKNESS NOTE: ALMA FUNSTON 408.687.7445 ALMA.FUNSTON@DALTILE.COM CONTACT: -	
CONC - 2	TYPE: MANUFACTURER: SEALED CONCRETE STYLE/FINISH: CAESAR COLOR/PATTERN: LIFE SIZE: N/A NOTE: LOCATED AT SECOND FLOOR CONTACT: -		B-2	TYPE: MANUFACTURER: RESILIENT BASE STYLE/FINISH: TARKETT COLOR/PATTERN: TRADITIONAL DURACOVE THERMOPLASTIC COLOR/PATTERN: VAPOR GREY CG 23 SIZE: 6" H WITH TOE NOTE: KATY TORRES 408.823.3435 katy.torres@tarkett.com CONTACT: -	
T-3	TYPE: MANUFACTURER: FLOOR TILE STYLE/FINISH: CROSSVILLE COLOR/PATTERN: NEST COLOR/PATTERN: MEDITATIVE OAK AV357 SIZE: 8" X 36" X 10.5" MM THICKNESS NOTE: DOUGLAS GONZALES dgonzales@longust.com (510) 516-5332 CONTACT: -		C-1	TYPE: MANUFACTURER: GYPSUM CEILING, PAINTED STYLE/FINISH: - COLOR/PATTERN: FLAT COLOR/PATTERN: VERIFY WITH ARCHITECT SIZE: N/A NOTE: - CONTACT: -	
T-4	TYPE: MANUFACTURER: STAIRCASE TREAD STYLE/FINISH: CAESAR COLOR/PATTERN: LIFE COLOR/PATTERN: WALNUT SIZE: SCALING - STEP TREAD 11 13/16" X 23 5/8" 9MM THICKNESS NOTE: 14-16 WEEK LEAD TIME CONTACT: BRIAN MILARD 415-757-7733 brian@specceramics.com		C-2	TYPE: MANUFACTURER: EXPOSED STEEL DECK, PAINTED STYLE/FINISH: - COLOR/PATTERN: FLAT COLOR/PATTERN: VERIFY WITH ARCHITECT SIZE: N/A NOTE: - CONTACT: -	
T-5	TYPE: MANUFACTURER: STAIRCASE LANDING AND RISERS STYLE/FINISH: CAESAR COLOR/PATTERN: LIFE COLOR/PATTERN: WALNUT SIZE: 7 7/8" X 47 2/8" 9MM NOTE: 14-16 WEEK LEAD TIME CONTACT: BRIAN MILARD 415-757-7733 brian@specceramics.com		<b>ELEVATOR</b>	EV-1	TYPE: MANUFACTURER: ELEVATOR STYLE/FINISH: INPRO COLOR/PATTERN: ASCEND ELEVATOR PROTECTION SYSTEM COLOR/PATTERN: CORVUS SIZE: - NOTE: RYAN STELTER RSTELDER@INPRO.COM CONTACT: -
<b>WALL:</b>			<b>TOILET PARTITIONS</b>		
P-1	TYPE: MANUFACTURER: PRIMED FOR PAINT STYLE/FINISH: PRIMER COLOR/PATTERN: TBD SIZE: N/A NOTE: - CONTACT: -		TLT-1	TYPE: TOILET PARTITION MANUFACTURER: FORMICA STYLE/FINISH: MATTE FINISH COLOR/PATTERN: MOUSE 928-58 SIZE: - NOTE: LISA MEJIAS 415.748.6286 CONTACT: -	
T-1	TYPE: MANUFACTURER: ACCENT WALL TILE STYLE/FINISH: ARTO COLOR/PATTERN: GLAZED BRICK COLOR/PATTERN: PURE WHITE SIZE: 2" X 8" X 1/2" THICK NOTE: FULL-HEIGHT TILE. RUNNING BOND INSTALLATION CONTACT: TANYA EVANGELISTA TANYA@ARTO.COM		<b>WINDOW COVERINGS</b>		
T-2	TYPE: MANUFACTURER: WALL TILE STYLE/FINISH: TLEBAR COLOR/PATTERN: PARK HILL COLOR/PATTERN: BLUE SIZE: 4" X 12" X 8MM THICKNESS NOTE: SEE ELEVATIONS FOR INSTALLATION PATTERN CONTACT: MARCEL ROTH 510.480.1745 marcel@tlebar.com			TYPE: WINDOW COVERINGS MANUFACTURER: MECO SHADE STYLE/FINISH: THERMOVEIL 5% OPEN COLOR/PATTERN: BLACK/BROWN 1304 SIZE: - NOTE: KELLY LLOYD 650-665-1550 KELLY.LLOYD@MECHOSHADE.COM CONTACT: -	
WP-1	TYPE: MANUFACTURER: WALL PROTECTION STYLE/FINISH: INPRO COLOR/PATTERN: PALLADIUM RIGID SHEET COLOR/PATTERN: GRAYSTONE 0151 SIZE: LCN NOTE: 8" W X .8MM THICK CONTACT: RYAN STELTER rstelter@inprocorp.com				

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	MECHO SHADE / SHADE LOC SYSTEM OR BOTTOM-UP SHADE	THERMOVEIL 5% OPEN BLACK/BROWN 1304	KELLY LLOYD 650.665.1550 KELLY.LLOYD@MECHOSHADE.COM	OPTIONAL TENANT IMPROVEMENTS



**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. REFER TO FOLLOWING SHEETS FOR NOTES THAT ARE APPLICABLE TO THOSE DRAWINGS.	
1	(E) EXPOSED STEEL FLOOR FRAMING. SEE FINISH SCHEDULE
2	(N) GYPSUM BOARD CEILING, INDICATED BY STIPPLED HATCH, ATTACHED TO NEW OR EXISTING FRAMING - WHERE OVER EXISTING FRAMING CEILING FOLLOWS ROOF SLOPE OR HORIZONTAL ROOF TIES - WHERE OVER NEW FRAMING CEILING FOLLOWS HORIZONTAL 2X FRAMING DOTTED AND INCLUDES VERTICAL TRANSITIONS BETWEEN VARIOUS CEILING HEIGHTS AS OCCUR AND AS INDICATED IN CEILING HEIGHT NOTE. SEE BUILDING SECTIONS, 10A902 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION
3	(E) GYPSUM BOARD CEILING, NO WORK
4	(N) LIGHTING FIXTURE. SEE ELECTRICAL DRAWINGS

**MOSS LANDING HARBOR DISTRICT  
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A.P.N. NO. 413-002-001G & 51000

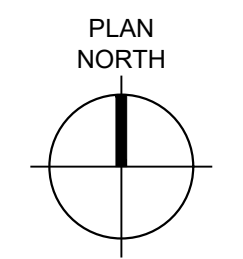
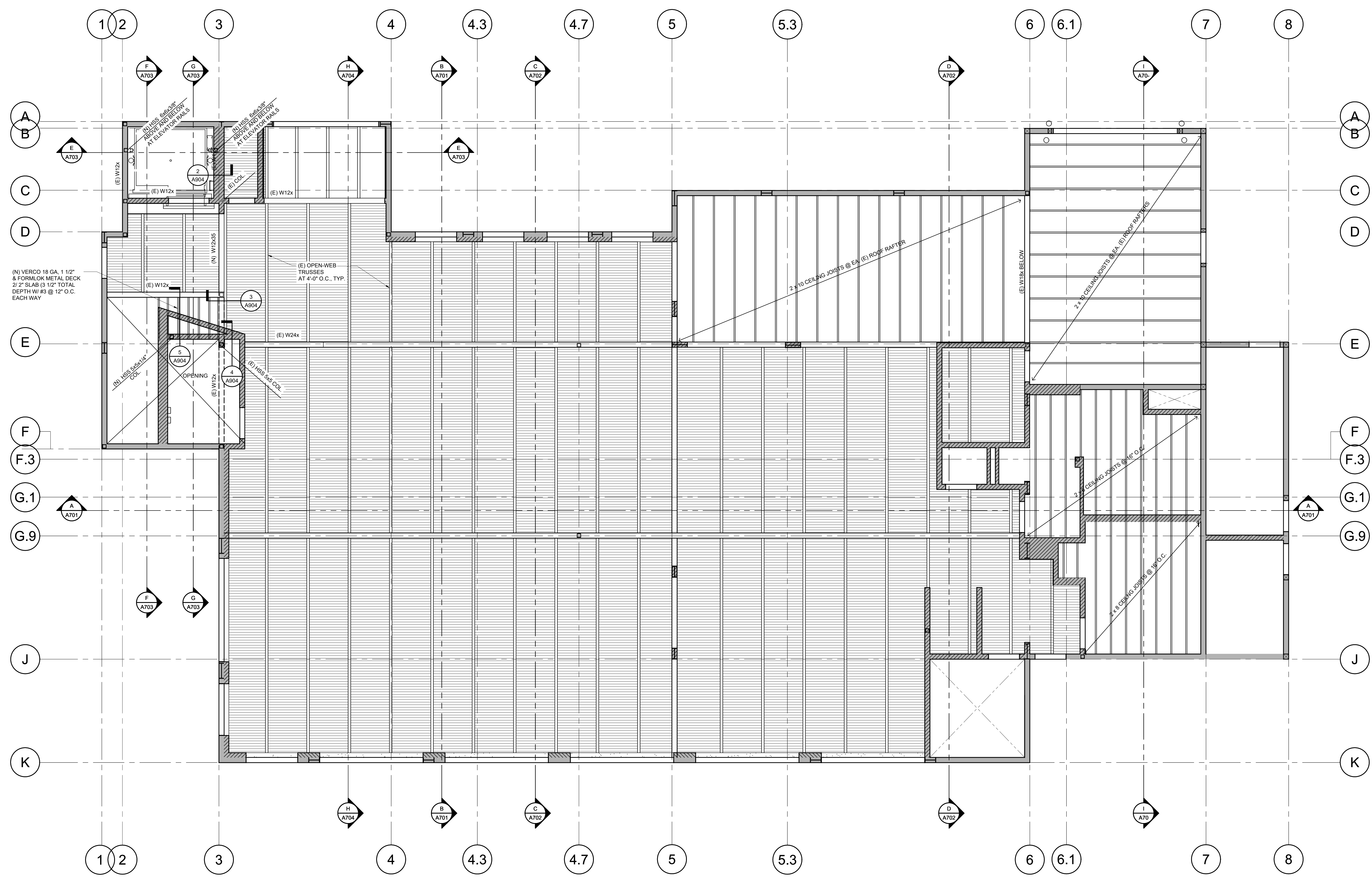
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**22084**  
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PLOT DATE: 7.20.2023  
DRAWN BY: DD  
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SET ISSUED:

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

SHEET NAME:  
**FIRST FLOOR RCP**  
SHEET NO.:

**A221**

FILE NAME: 22084-A221



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

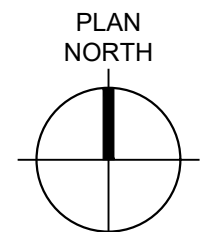
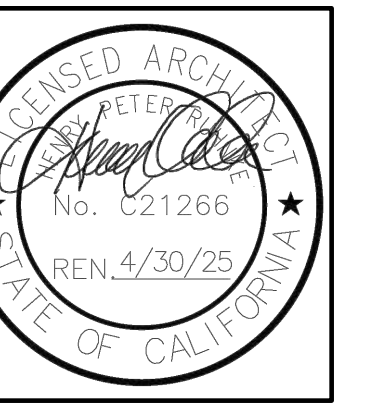
**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**  
2460 HIGHWAY ONE, MOSS LANDING CA 95039  
MOSS LANDING HARBOR DISTRICT  
7881 SANHOLT ROAD, MOSS LANDING CA 95039  
A.P.N. NO. 413-002-003 & 51000

JOB NO.  
**22084**  
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SHEET NAME:  
**FIRST FLOOR  
CLG. FRAMING  
PLAN**

SHEET NO.:  
**A221A**  
FILE NAME: 22084-A221A



**SECOND FLOOR REFLECTED CEILING PLAN**

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

**KEY NOTES**

THE 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 (E) ROOF FRAMING EXPOSED IN THIS AREA
- 2 (N) GYPSUM BOARD CEILING, INDICATED BY STIPPLED HATCH, ATTACHED TO NEW OR EXISTING FRAMING - WHERE OVER EXISTING FRAMING CEILING FOLLOWS ROOF SLOPE OR HORIZONTAL ROOF TIES - WHERE OVER NEW FRAMING CEILING FOLLOWS HORIZONTAL 2X FRAMING DOTTED AND INCLUDES VERTICAL TRANSITIONS BETWEEN VARIOUS CEILING HEIGHTS AS OCCUR AND AS INDICATED IN CEILING HEIGHT NOTE. SEE BUILDING SECTIONS, 10A902 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- 3 REMOVE, SALVAGE AND REINSTALL (E) LIGHTING FIXTURE ON NEW CEILING. SEE ELECTRICAL DRAWINGS
- 4 (N) LIGHTING FIXTURE. SEE ELECTRICAL DRAWINGS
- 5 (N) PENDANT LIGHTING FIXTURE CLUSTER CENTERED ON ENTRY ATRIUM WINDOW, EXACT HEIGHTS AS DIRECTED BY ARCHITECT - PROVIDE 3/32" S.S. AIRCRAFT BRACING WIRES TO PREVENT FIXTURES FROM TOUCHING EACH OTHER OR ANY BUILDING SURFACE WHEN SWINGING AT 45 DEGREE PENDANT ANGLE OR LESS
- 6 NEW 2X JOIST WOOD FRAMING SPANNING EXISTING BEAMS OR SUPPORTED BY NEW FRAMING AS OCCURS SHOWN DOTTED. SEE BUILDING SECTIONS FOR ADDITIONAL INFORMATION
- 7 NEW 2X WOOD JOIST FURR OUT OF EXISTING FRAMING TO COVER EXISTING STEEL BRACING WITH GYPSUM BOARD POP OUT SHOWN DOTTED

**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**

2480 HIGHWAY ONE, MOSS LANDING CA 95039  
MOSS LANDING HARBOR DISTRICT  
7881 SANHOLT ROAD, MOSS LANDING CA 95039  
A.P.N. NO. 413-002-00(G & 5)000

JOB NO.  
**22084**

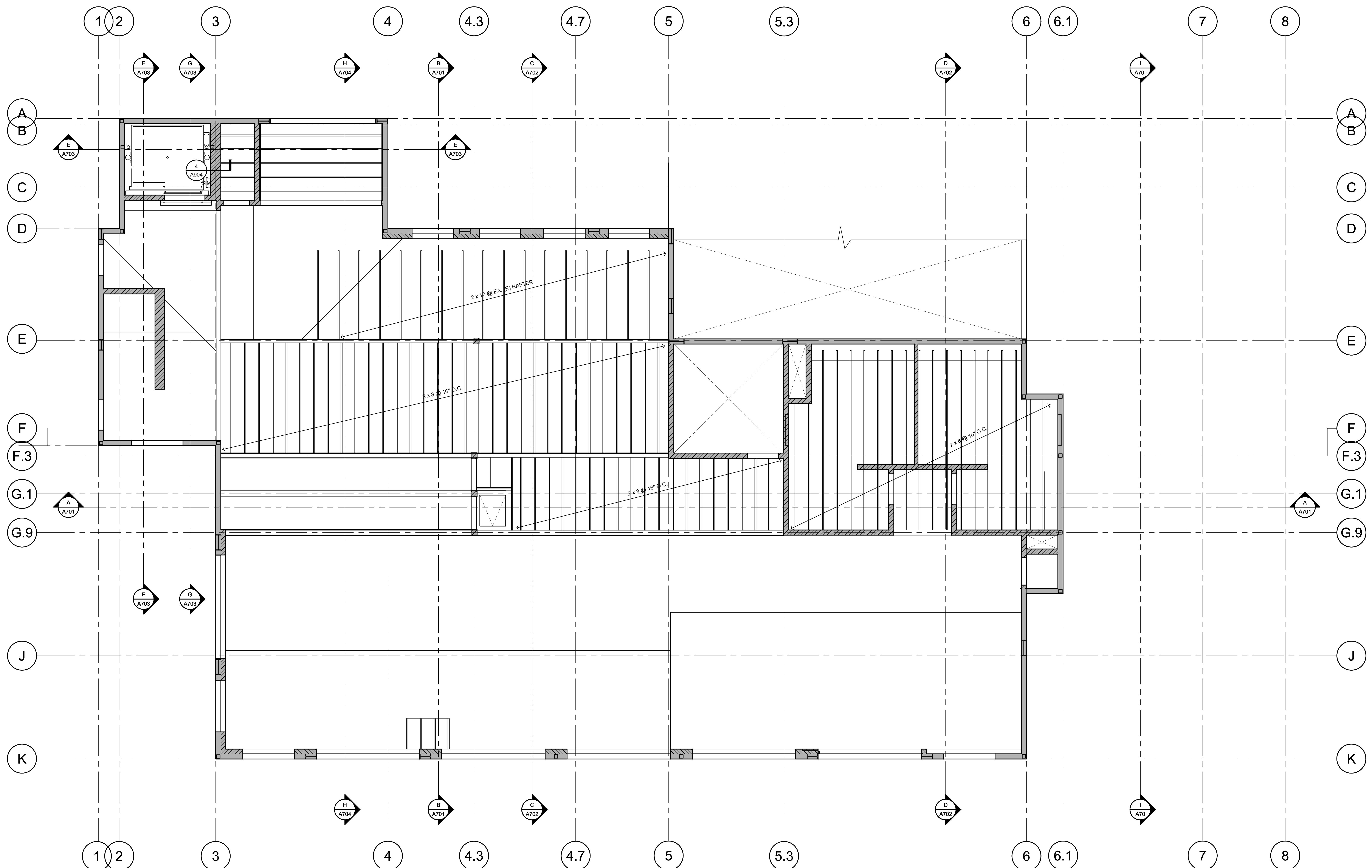
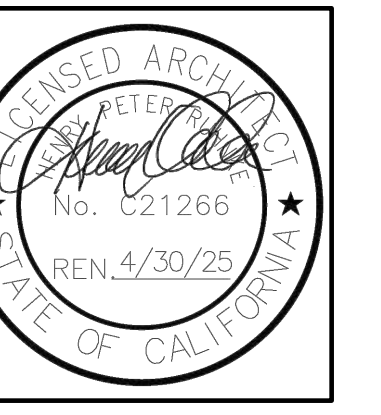
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SHEET NAME:  
**SECOND FLOOR RCP**

SHEET NO.:

**A222**



PLAN NORTH  
**SECOND FLOOR  
CEILING FRAMING PLAN**  
SCALE: 1/4"=1'-0"

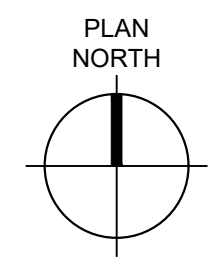
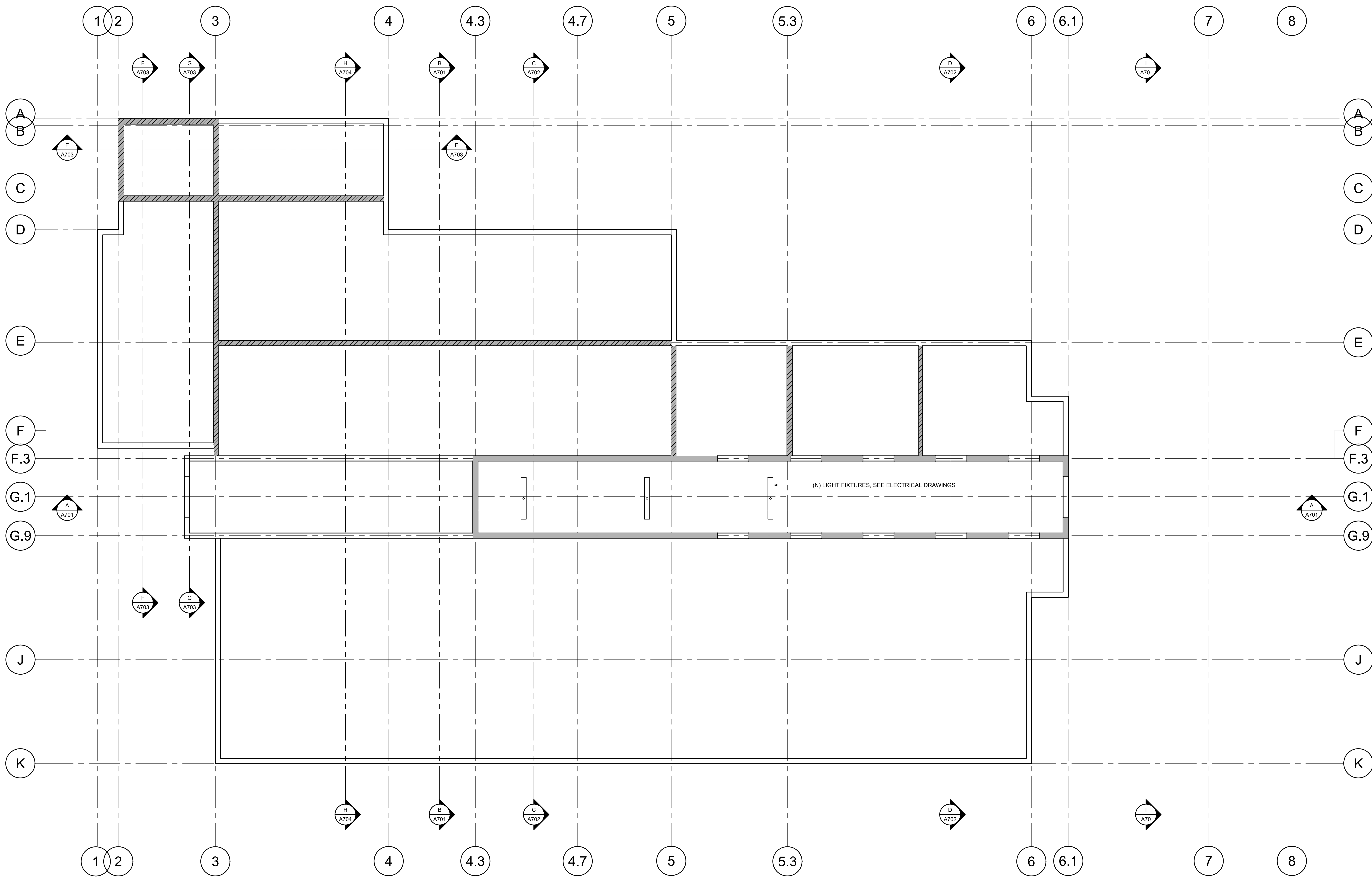
**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**  
2460 HIGHWAY ONE, MOSS LANDING CA 95039  
MOSS LANDING HARBOR DISTRICT  
7881 SANHOLT ROAD, MOSS LANDING CA 95039  
A.P.N. NO.: 413-002-001 & 51000

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BID SET: 10/1/23

SHEET NAME:  
**SECOND FLOOR  
CLG. FRAMING  
PLAN**

SHEET NO.:  
**A222A**  
FILE NAME: 22084-A222A



**PENTHOUSE LEVEL  
REFLECTED CEILING PLAN**  
SCALE: 1/4"=1'-0"

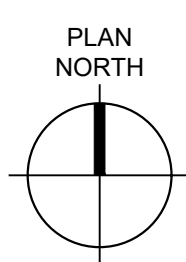
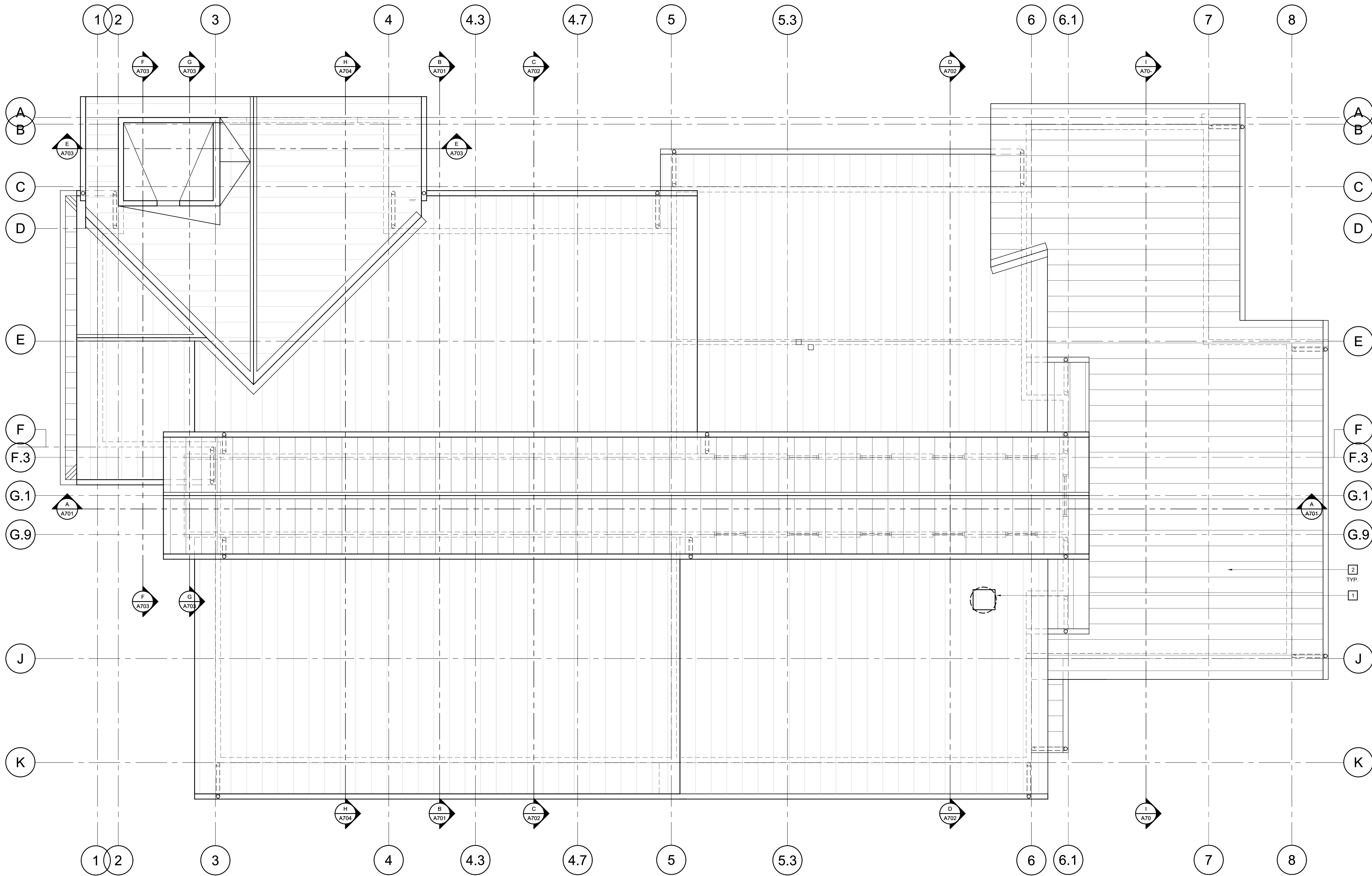
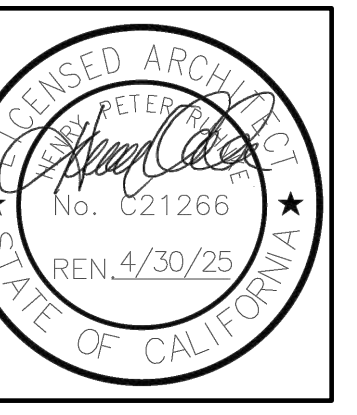
**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**  
2460 HIGHWAY ONE, MOSS LANDING CA 95039  
MOSS LANDING HARBOR DISTRICT  
7881 SANHOLT ROAD, MOSS LANDING CA 95039  
A.P.N. NO.: 413-002-003 & 51000

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BACK CHECK SUBMITTAL: 7/10/23  
BID SET: 10/1/23

SHEET NAME:  
**PENTHOUSE  
LEVEL  
RCP**  
SHEET NO.:

**A223**



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

**KEY NOTES**

THE 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 NEW EXHAUST FAN MOUNTED ON NEW ROOF CURB. SEE MECHANICAL DRAWINGS
- 2 SEE MP DRAWINGS FOR EXHAUST FAN ABOVE AND ALL OTHER UTILITY PLACEMENTS AND PENETRATIONS IN EXISTING METAL ROOFING SYSTEM - CONTRACTOR SHALL CONTACT ORIGINAL ROOFING MANUFACTURER (AESPAN) AND OBTAIN AND USE ALL MANUFACTURER APPROVED ROOFING MODIFICATION DETAILS AS REQUIRED TO HAVE NO IMPACT ON EXISTING ROOFING WARRANTIES

**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. - 413-002-003 & 5-000

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SHEET NAME:

**ROOF  
PLAN**

SHEET NO.:

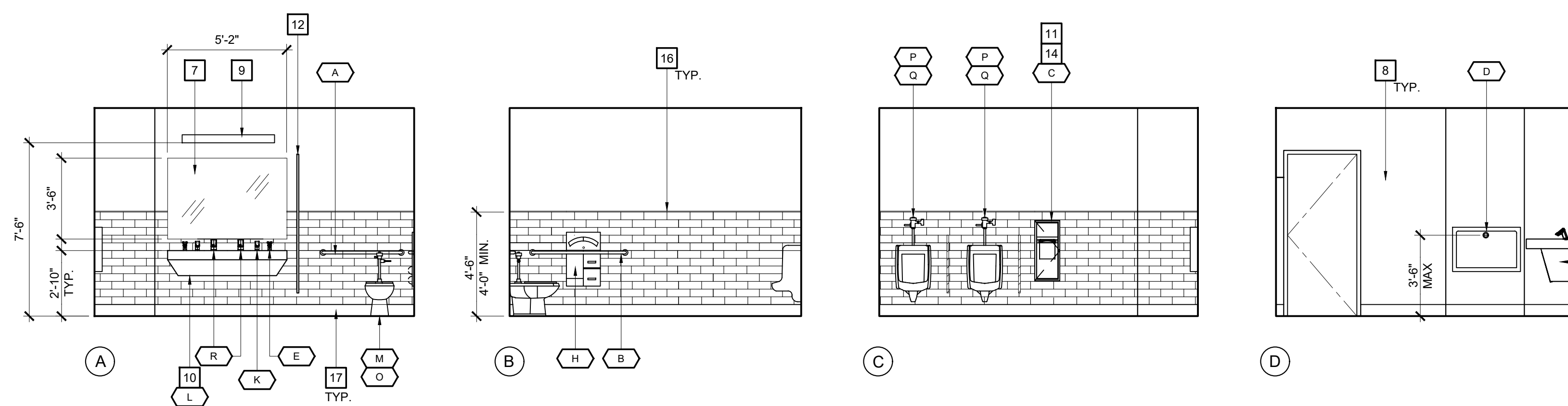
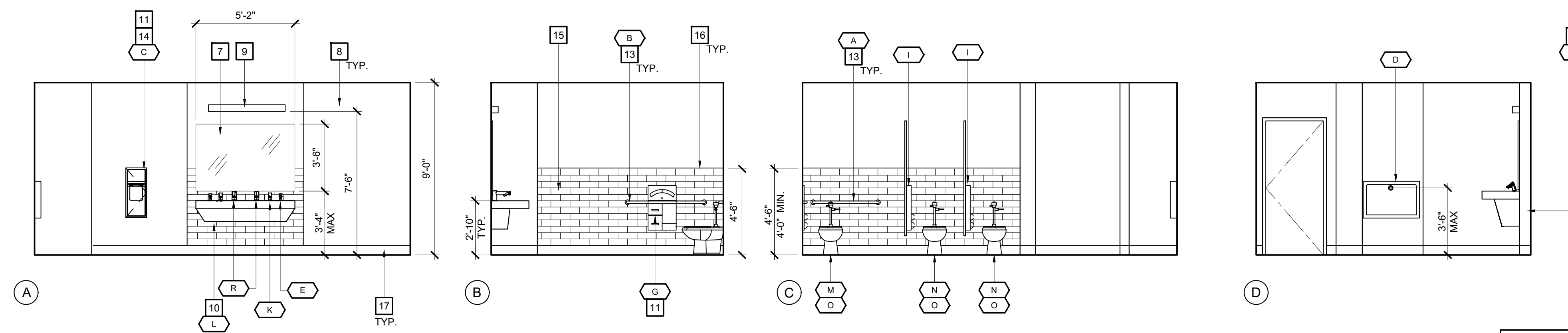
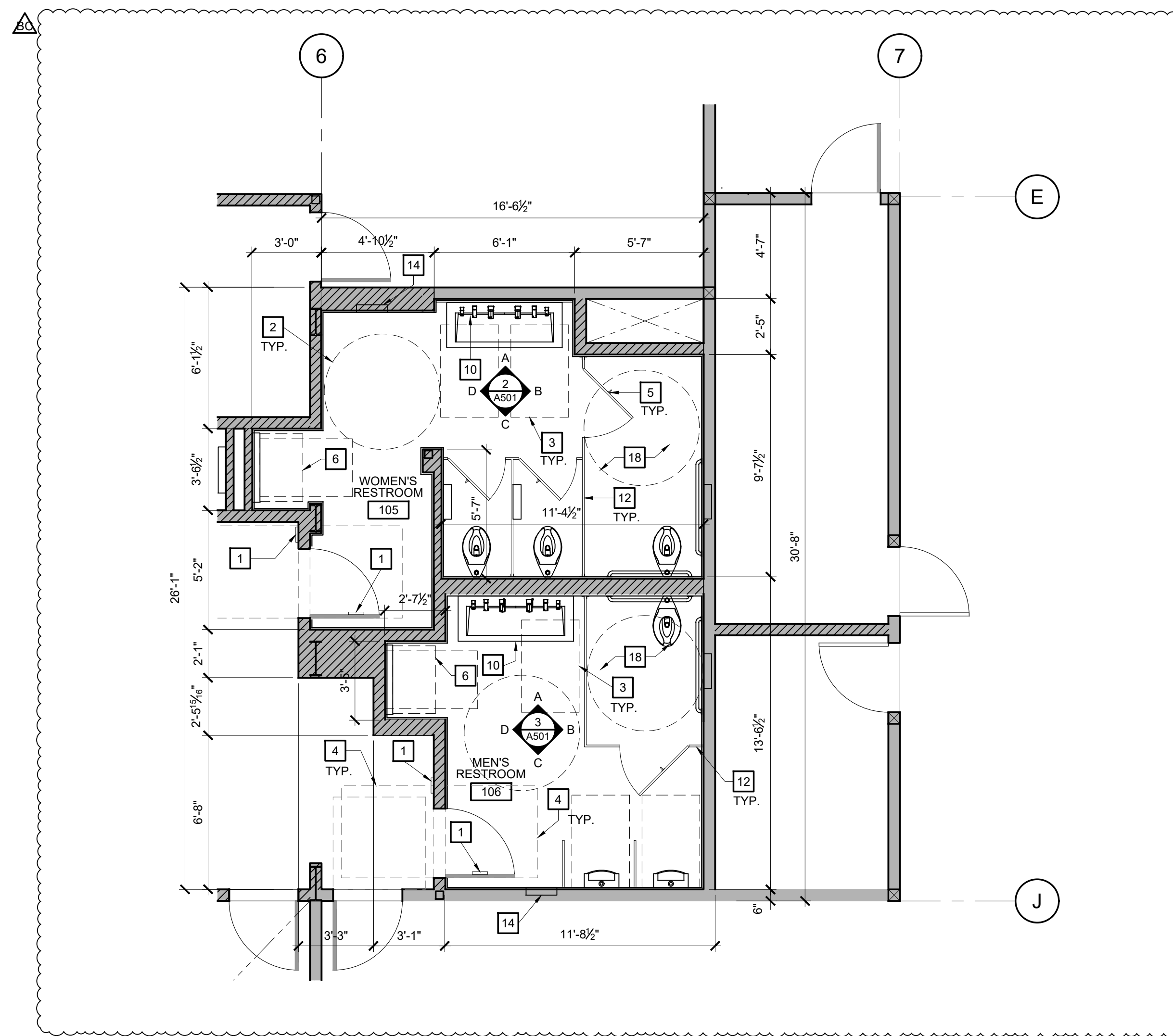
**A231**

FILE NAME: 22084-A231

### 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 ACCESSORY 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 ACCESSORY / 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 WANSCOT 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.



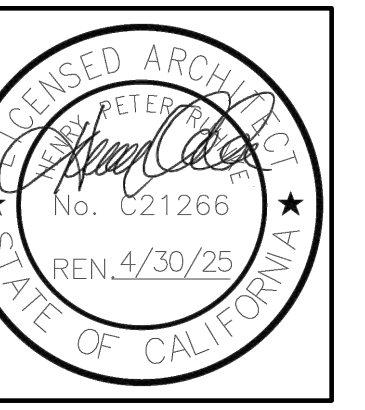
### RESTROOM ACCESSORY SCHEDULE

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
B	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
H	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
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	HOOK	BOBRICK / B-9542	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
K	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
N	FLOOR MOUNTED TOILET STANDARD HEIGHT	SLOAN / ST-2009	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
O	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
R	HAND DRYER	SLOAN / EHD-510ASF	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I



WALD RUHNKE & DOST  
ARCHITECTS LLP  
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.P.N. NO. - 413-002-001G & 5J000

JOB NO.  
22084  
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SHEET NAME:  
FIRST FLOOR  
INTERIOR  
ELEVATIONS

SHEET NO.:

A501

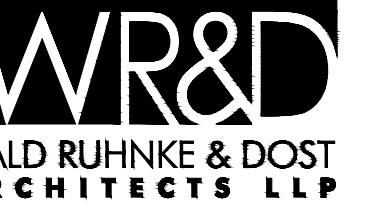
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### KEY NOTES

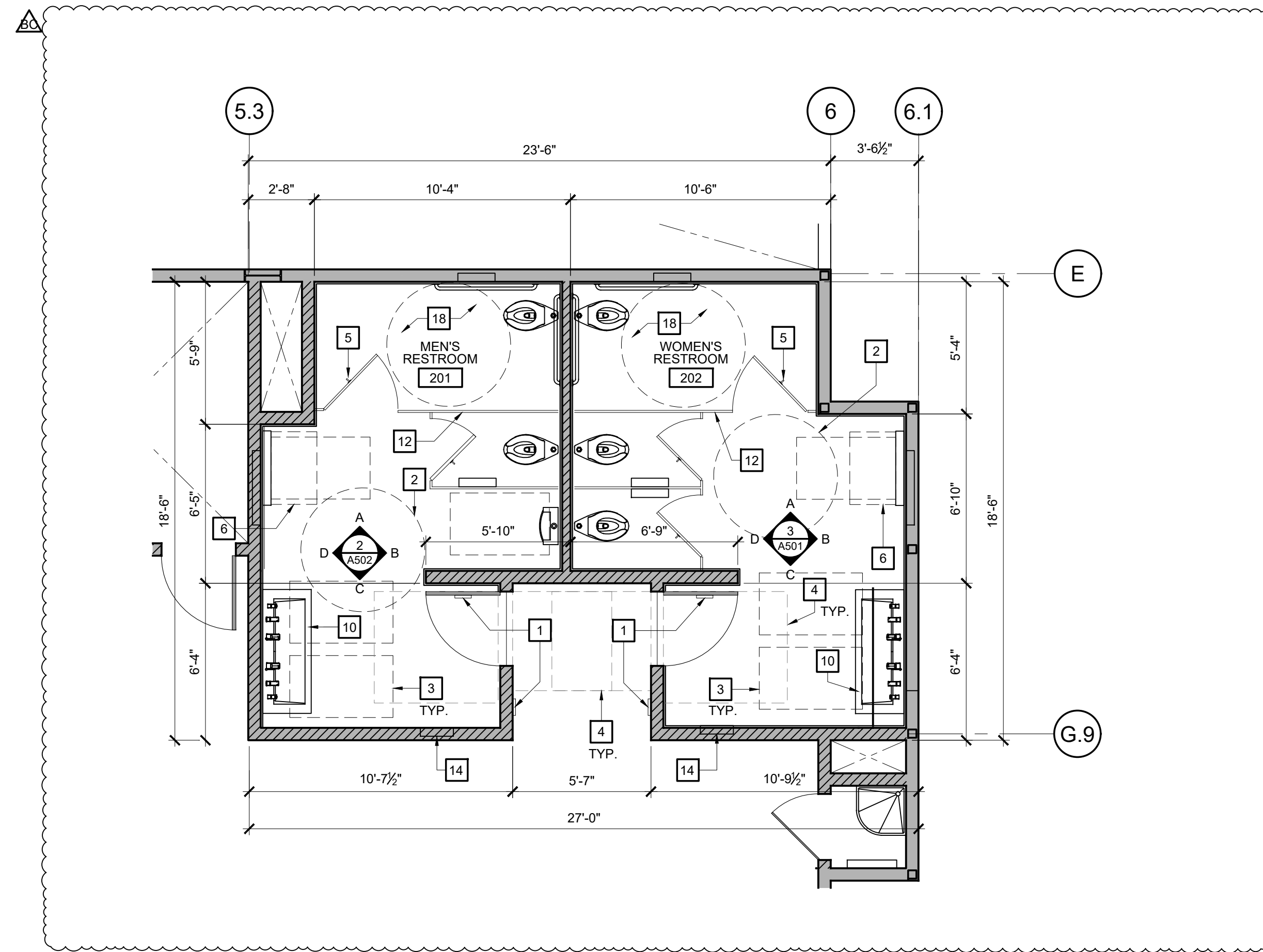
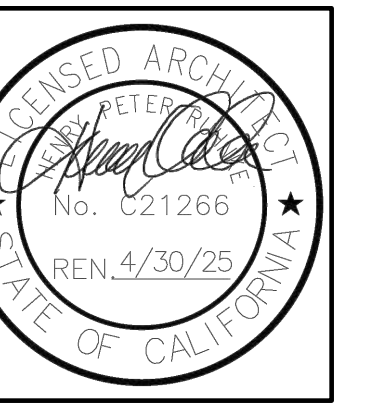
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- 5 COAT HOOK, TYPICAL. RESTROOM ACCESSORY SCHEDULE.
- 6 CHANGING STATION FOOTPRINT WHILE OPEN.
- 7 MIRROR WITH STAINLESS STEEL FRAME. SEE DETAIL 7/A901 FOR MOUNTING HEIGHT AND 14/A902.
- 8 WALL AS SCHEDULED, TYPICAL.
- 9 WALL SCONCE LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- 10 WALL MOUNTED TROUGH SINK. SEE DETAIL 2/A901 FOR ACCESSIBILITY REQUIREMENTS.
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- 12 TOILET PARTITION (BOBRICK ACCESSORY / 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 WANSCOT 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

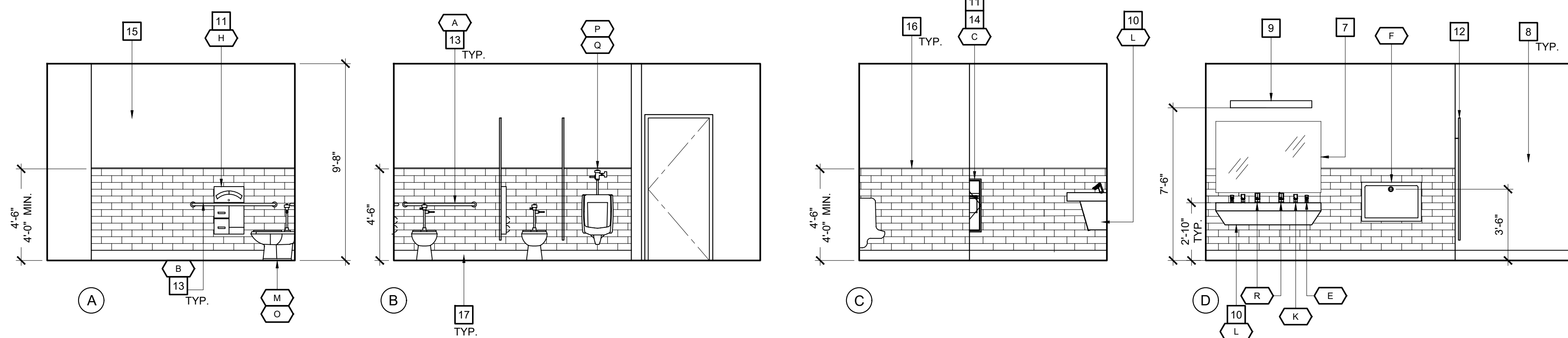


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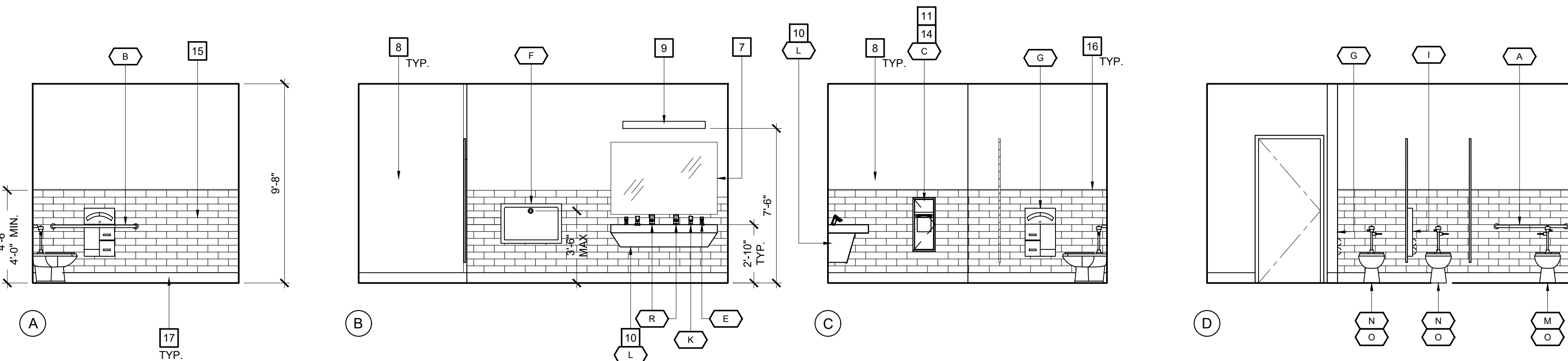
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**1 PARTIAL FLOOR PLAN**  
 SCALE: 1/4"=1'-0"



**2 INTERIOR ELEVATIONS**  
 SCALE: 1/4"=1'-0"



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

### 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
B	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
H	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
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	HOOK	BOBRICK / B-9542	BRUSHED STAINLESS STEEL	MIKE EDWARDS 925.829.2942 Mike@reedwards.com	C.F.C.I
K	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
N	FLOOR MOUNTED TOILET STANDARD HEIGHT	SLOAN / ST-2009	WHITE	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I
O	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
R	HAND DRYER	SLOAN / EHD-510ASF	BRUSHED STAINLESS STEEL	TERESA MIDDLETON 415.265.4672 TERESA.MIDDLETON@SLOAN.COM	C.F.C.I

**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.: 413-002-0016 & 51000

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:  
**2nd FLOOR  
 INTERIOR  
 ELEVATIONS**  
 SHEET NO.:

**A502**

FILE NAME: 22084-A502



**KEY NOTES**

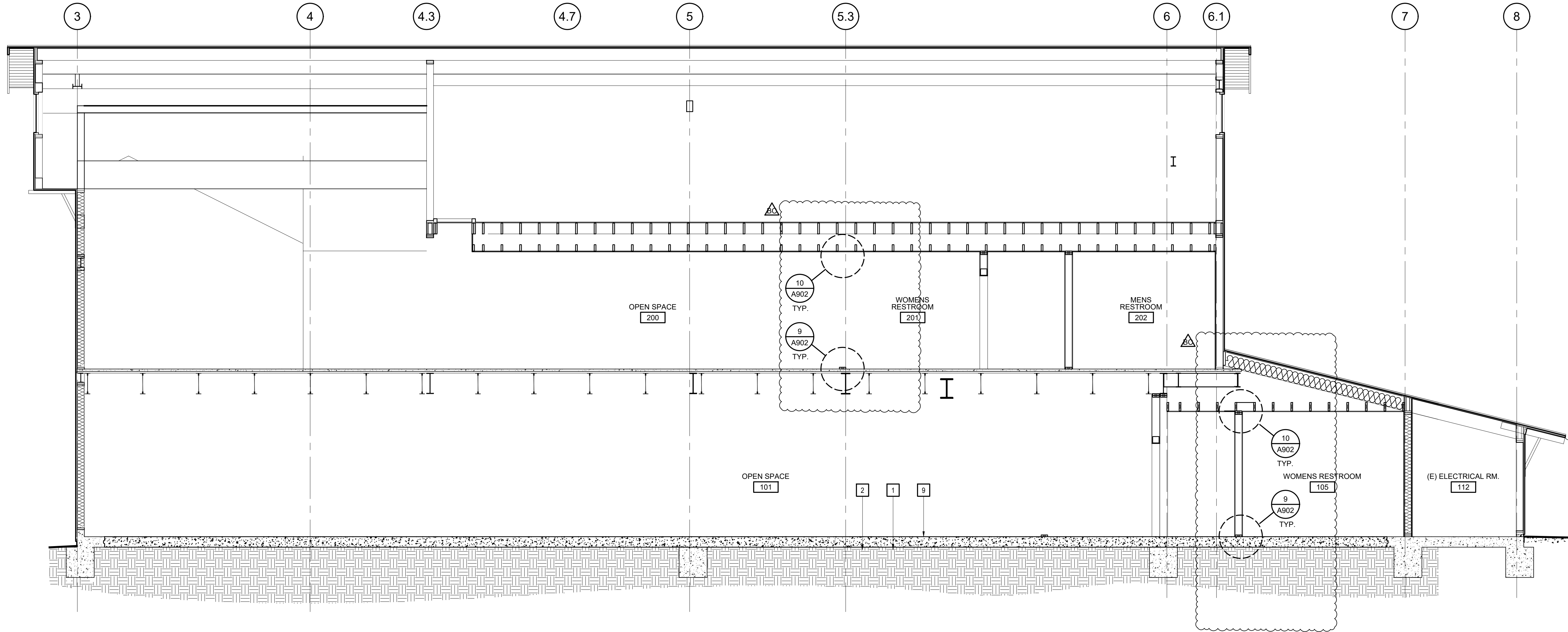
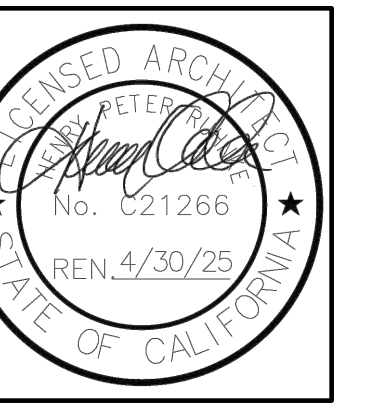
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- 7 (E) CONCRETE SLAB OVER STEEL DECKING
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- 10 NEW GYPSUM BOARD INTERIOR WALL CLADDING OVER (E) WOOD STUDS U.N.O.
- 11 NEW ROOF INSULATION SYSTEM, SEE
- 12 NEW 2X @ 16" WOOD CEILING JOIST FRAMING, JOIST DEPTH PER SCHEDULE ON SHEET AXXX
- 13 NEW GYPSUM BOARD INTERIOR CEILING CLADDING OVER (E) ROOF OR CEILING JOIST FRAMING, SEE KEYNOTE 8 FOR ADDITIONAL INFORMATION
- 14 NEW GYPSUM BOARD INTERIOR CEILING CLADDING OVER NEW WOOD FRAMING
- 15 GUARDRAIL, SEE 17/A902

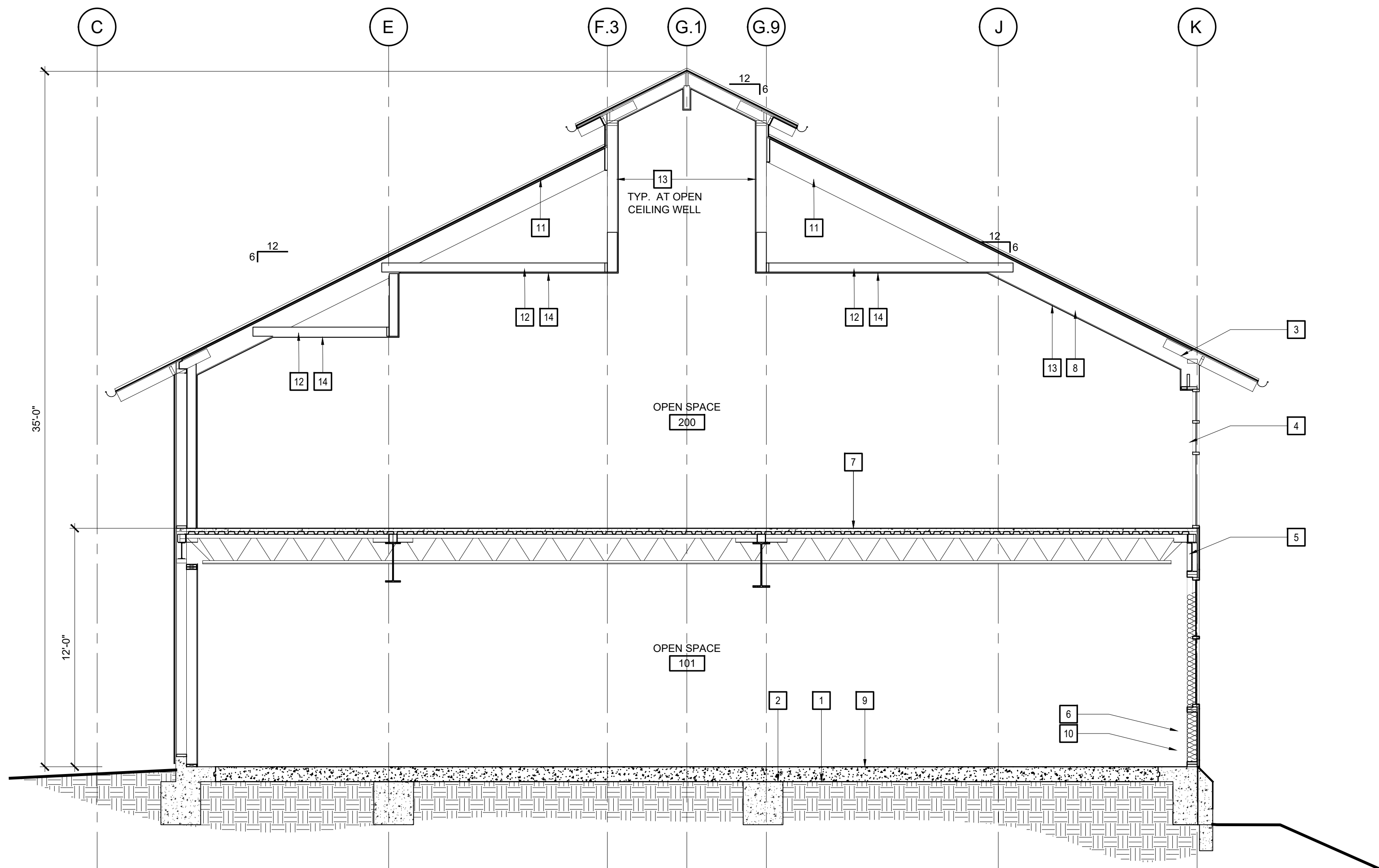


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 FAX: 831.649.3530  
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**A TRANSVERSE SECTION @ CENTERLINE OF BUILDING**  
 SCALE: 1/4" = 1'-0"



**B CROSS SECTION BETWEEN GRID LINES 4 & 4.3**  
 SCALE: 1/4" = 1'-0"

**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. - 413-002-0016 & 51000

JOB NO.  
**22084**  
 PRINT DATE:  
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PLAN CHECK SUBMITTAL: 12/16/22  
 BACKCHECK SUBMITTAL: 7/10/23  
 BID SET: 10/1/23

SHEET NAME:  
**SHEET  
 TITLE**  
 SHEET NO.:

**A701**

FILE NAME: 22084-A701

### KEY NOTES

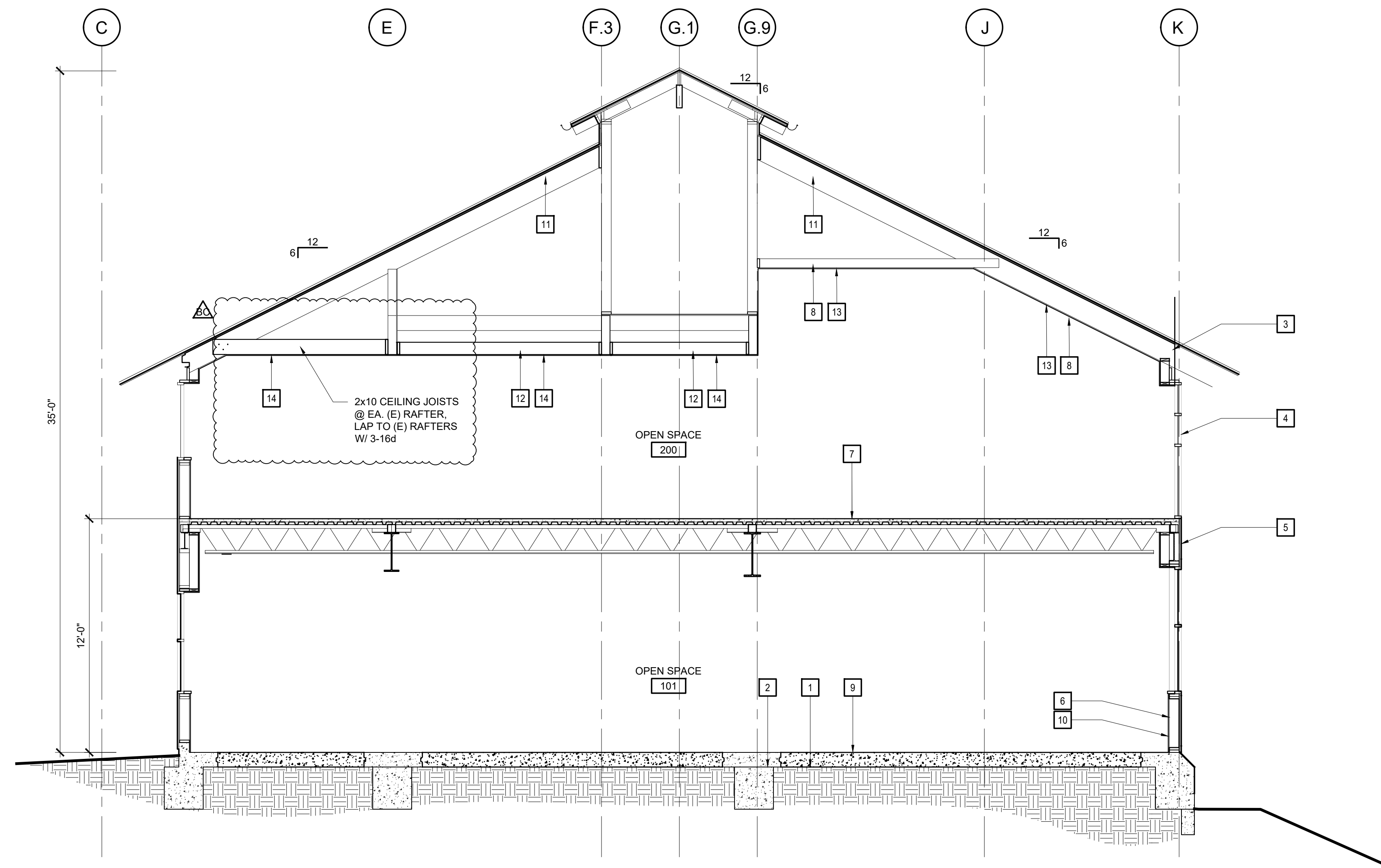
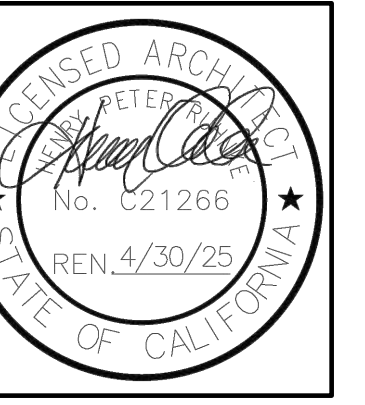
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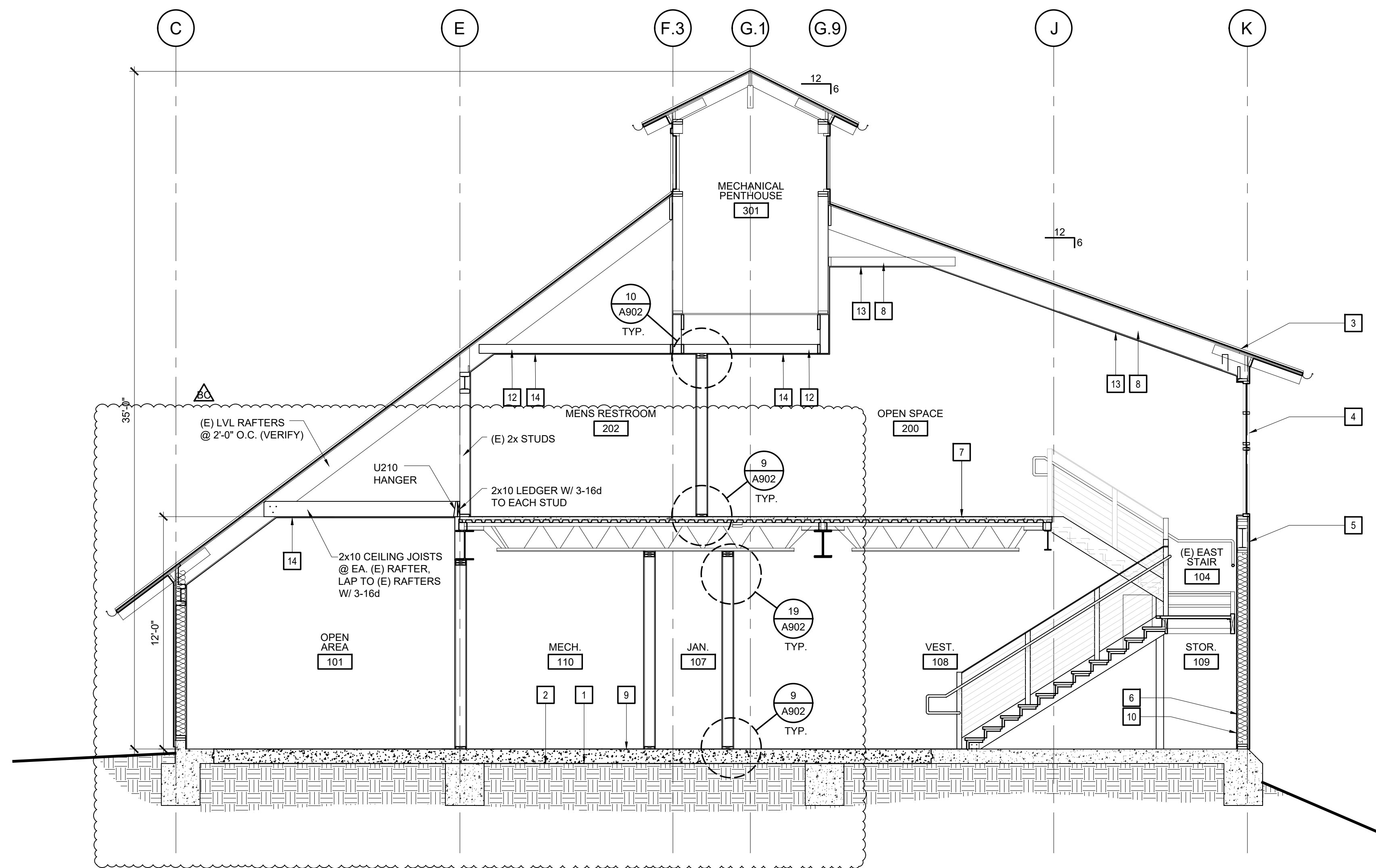


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**C CROSS SECTION BETWEEN GRID LINES 4.3 & 5**  
SCALE: 1/4" = 1'-0"



**D CROSS SECTION BETWEEN GRID LINES 5 & 6**  
SCALE: 1/4" = 1'-0"

**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. : 413-002-0016 & 51000

JOB NO.  
**22084**  
PRINT DATE:  
PLOT DATE: 7.20.2023  
DRAWN BY: DD  
CHECKED BY:  
SET ISSUED:

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

SHEET NAME:  
**BUILDING SECTIONS**  
SHEET NO.:

**A702**

FILE NAME: 22084-A702

### KEY NOTES

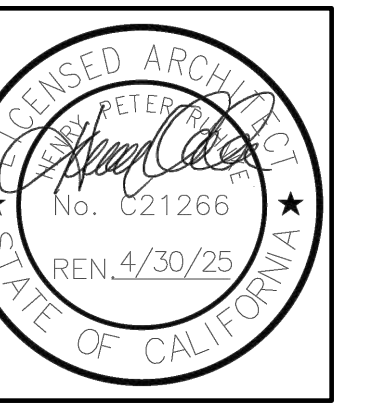
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**MOSS LANDING HARBOR DISTRICT  
 NORTH HARBOR BUILDING WARM SHELL**  
 2460 HIGHWAY ONE, MOSS LANDING CA 95039  
 MOSS LANDING HARBOR DISTRICT  
 7881 SANHOLT ROAD, MOSS LANDING CA 95039  
 A.P.N. NO. - 413-002-0016 & 51000

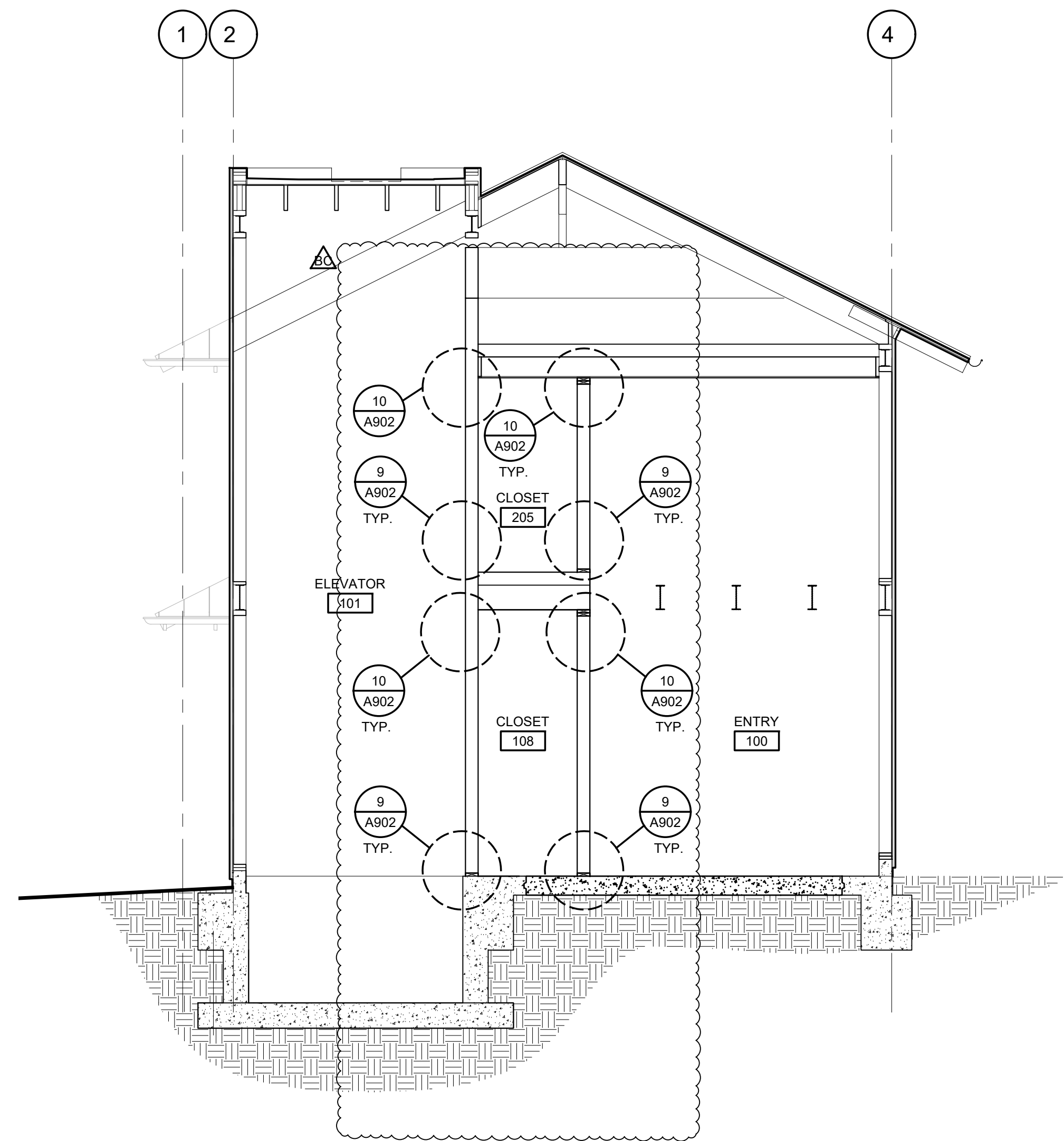
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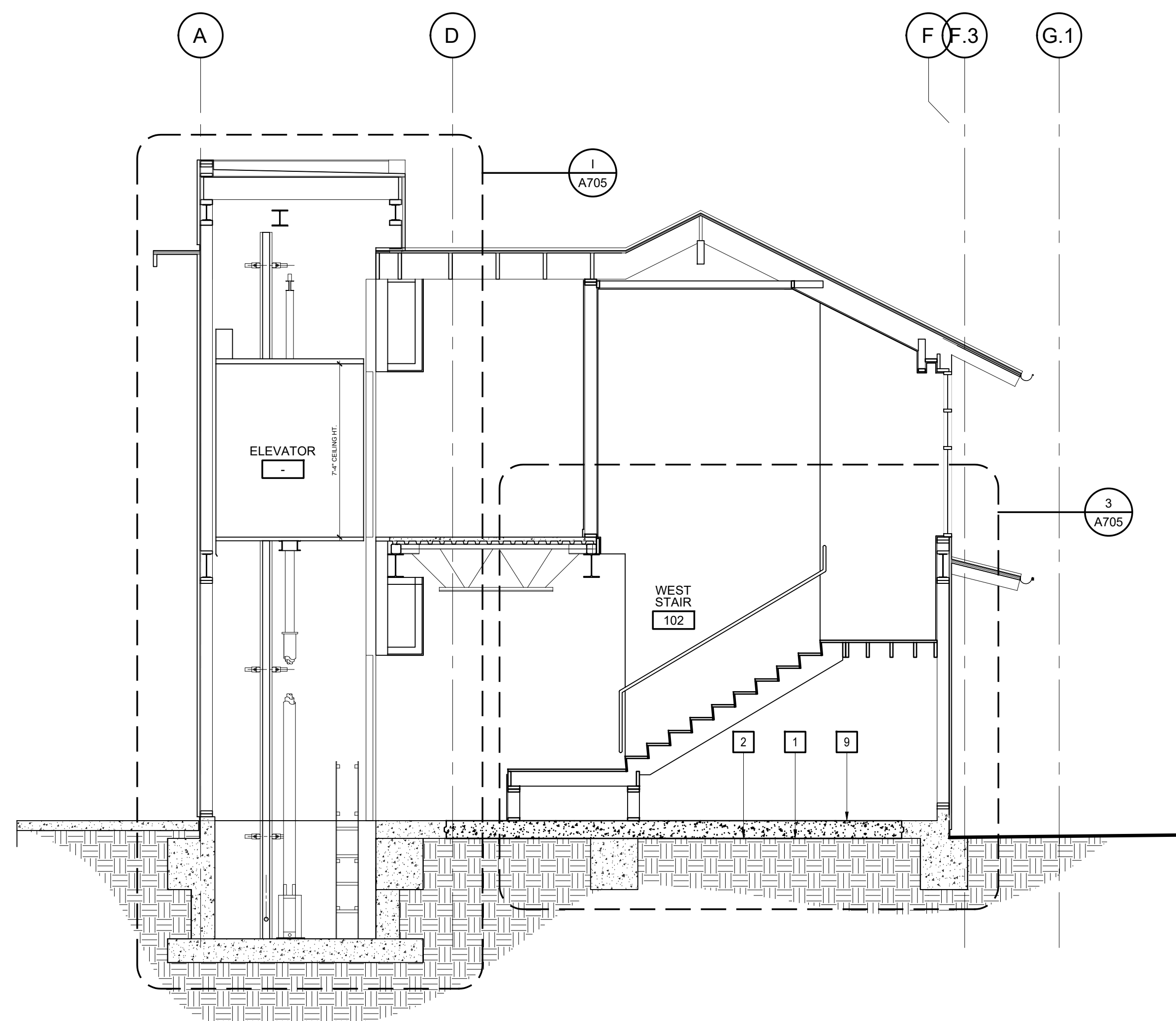
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**BUILDING SECTIONS**  
 SHEET NO.:

**A703**

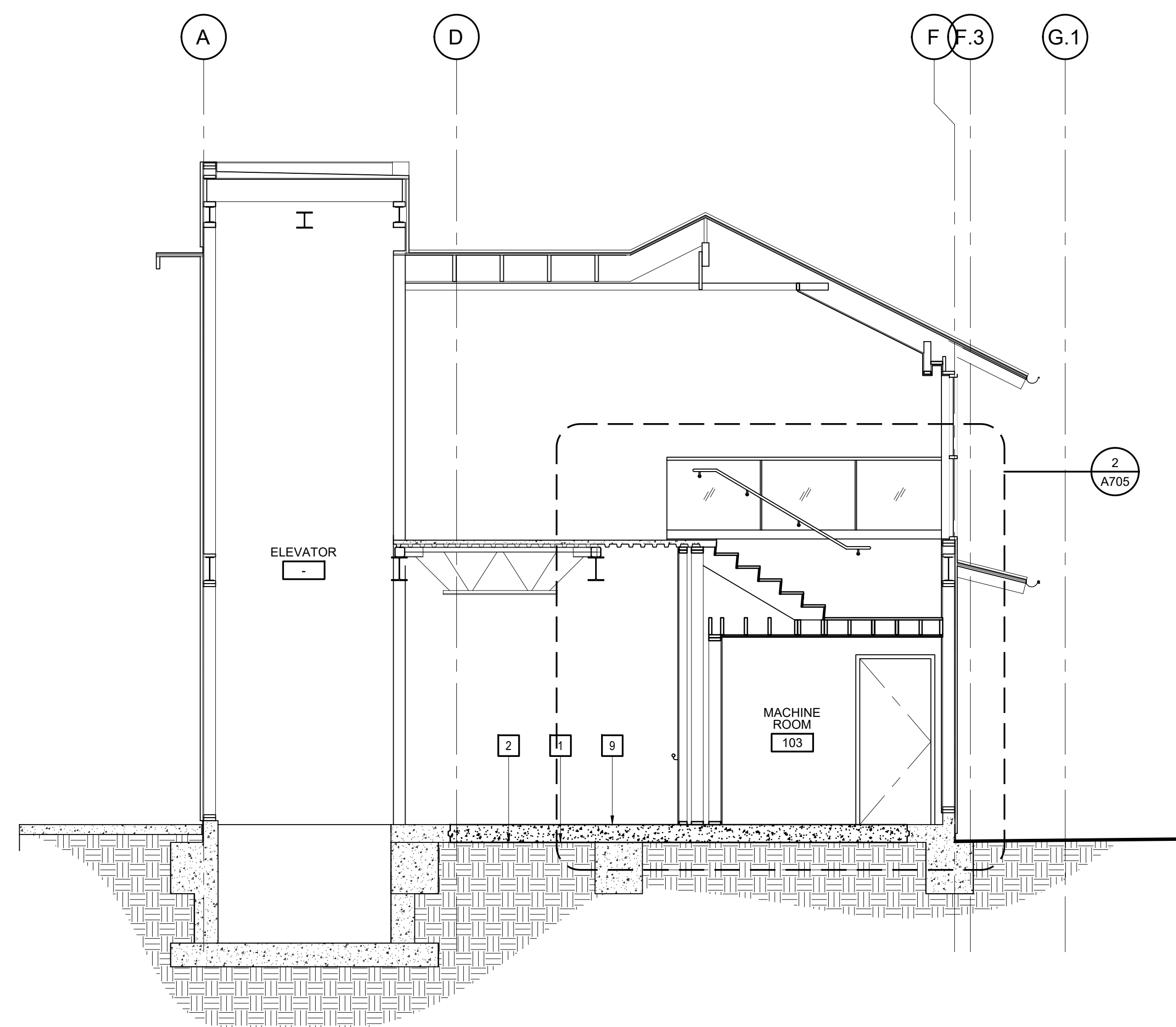
FILE NAME: 22084-A703



**E TRANSVERSE SECTION AT BUILDING ENTRY**  
 SCALE: 1/4" = 1'-0"



**F CROSS SECTION AT NEW ELEVATOR & NEW STAIR (@ BOTT. RUN)**  
 SCALE: 1/4" = 1'-0"



**G CROSS SECTION AT NEW ELEVATOR & NEW STAIR (@ TOP RUN)**  
 SCALE: 1/4" = 1'-0"

**KEY NOTES**

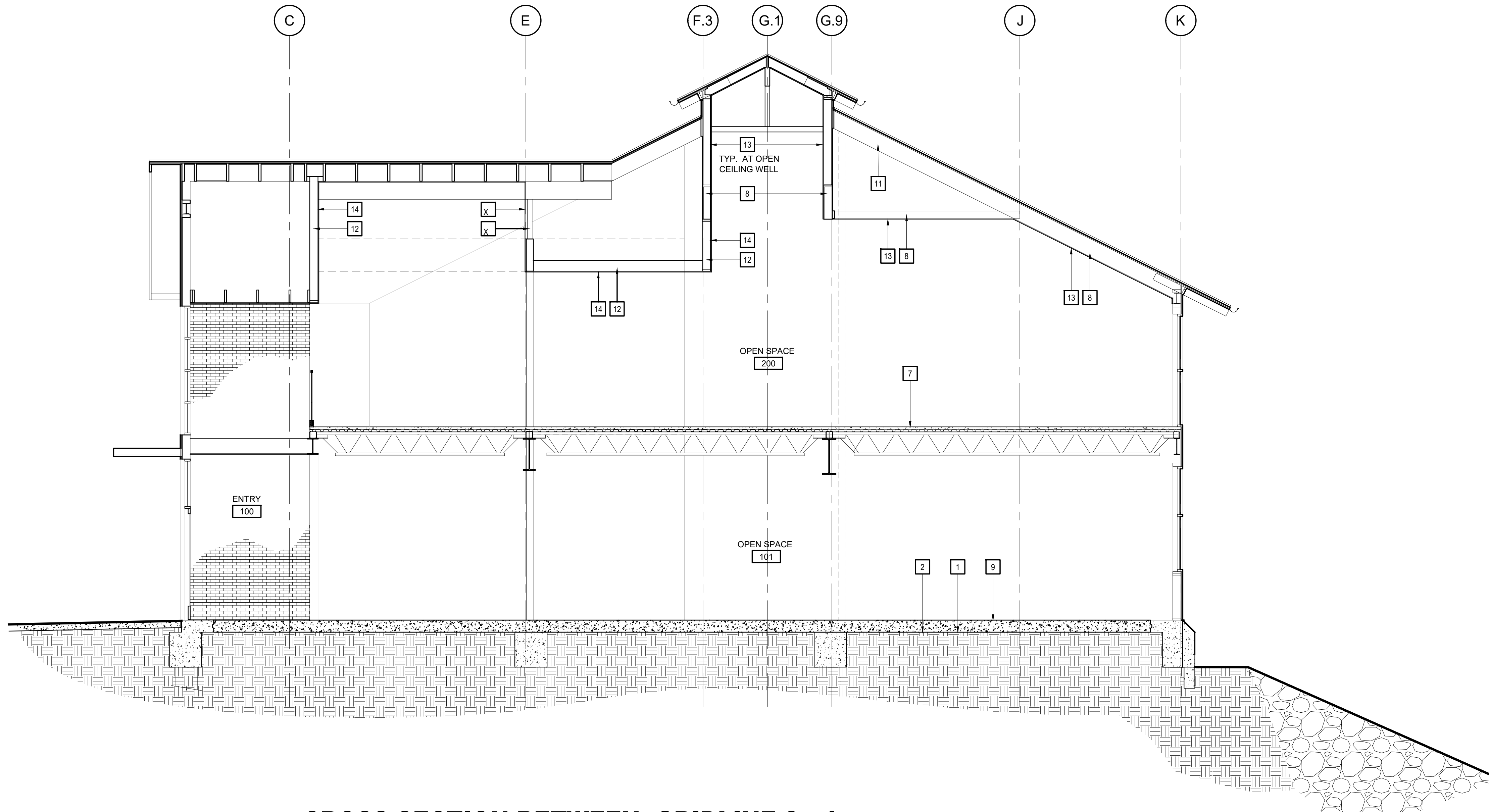
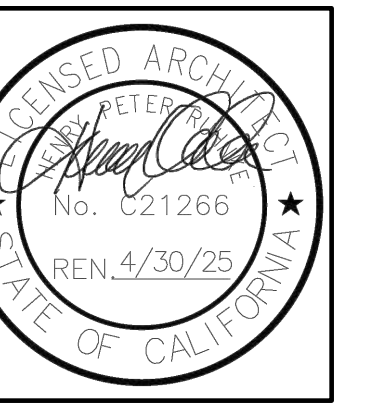
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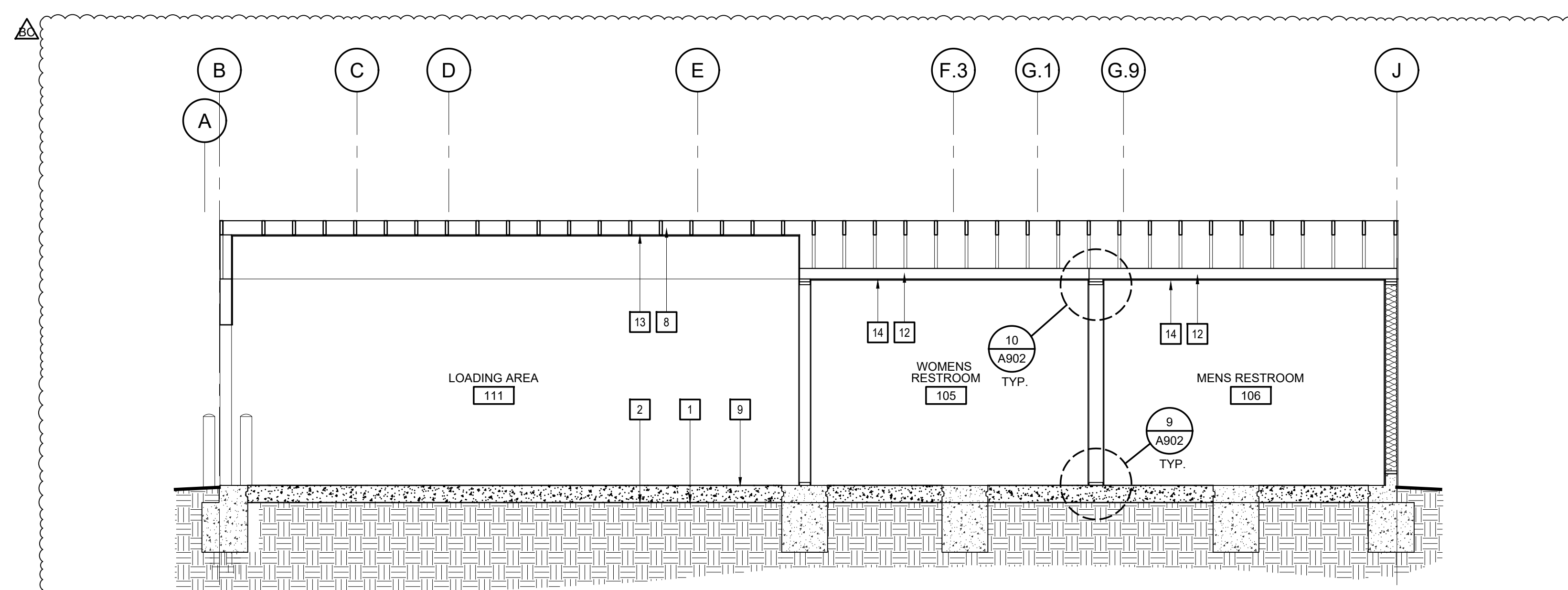


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**H** CROSS SECTION BETWEEN GRIDLINE 3 - 4 THROUGH SECOND FLOOR OPENING  
 SCALE: 1/4" = 1'-0"



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

**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. - 413-002-001G & 51000

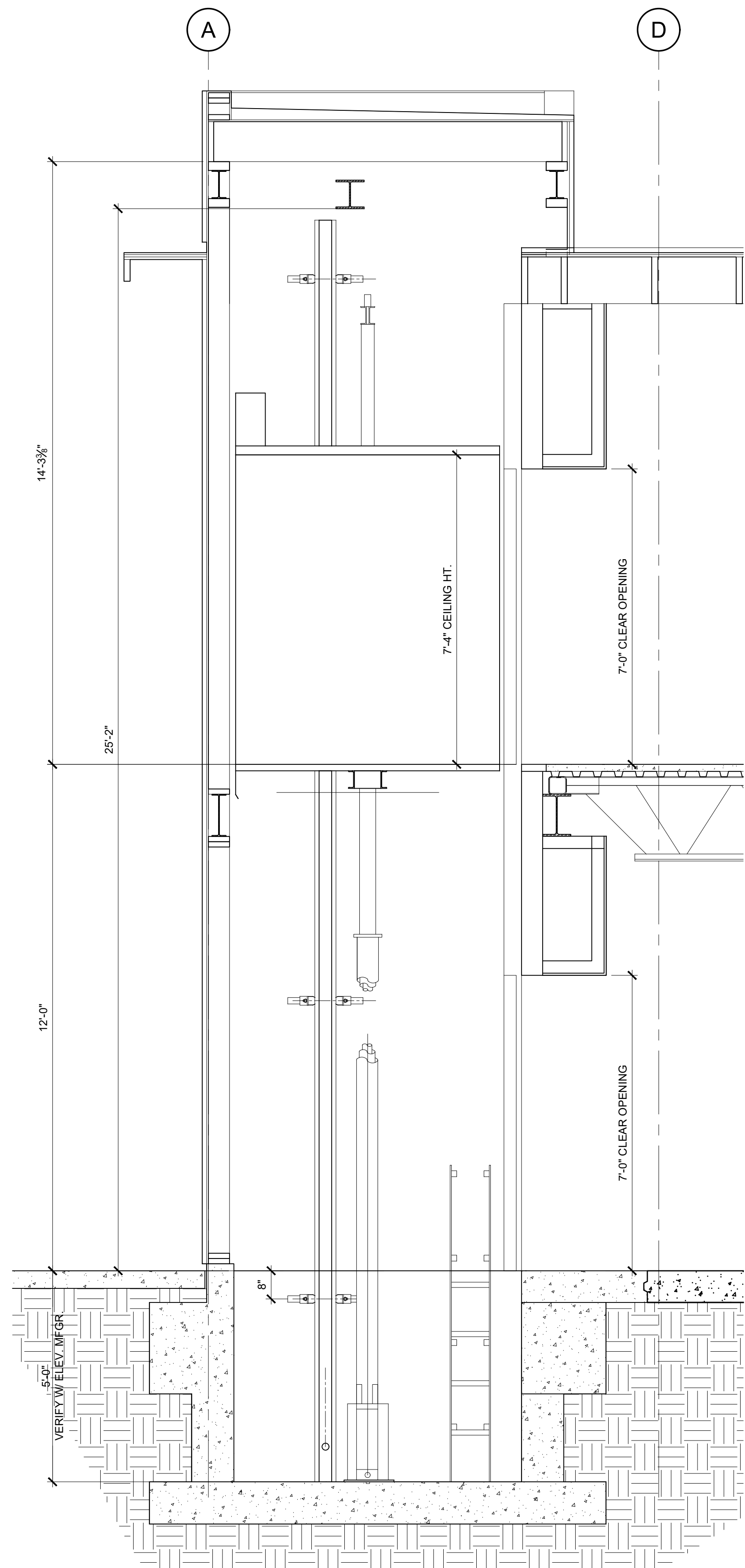
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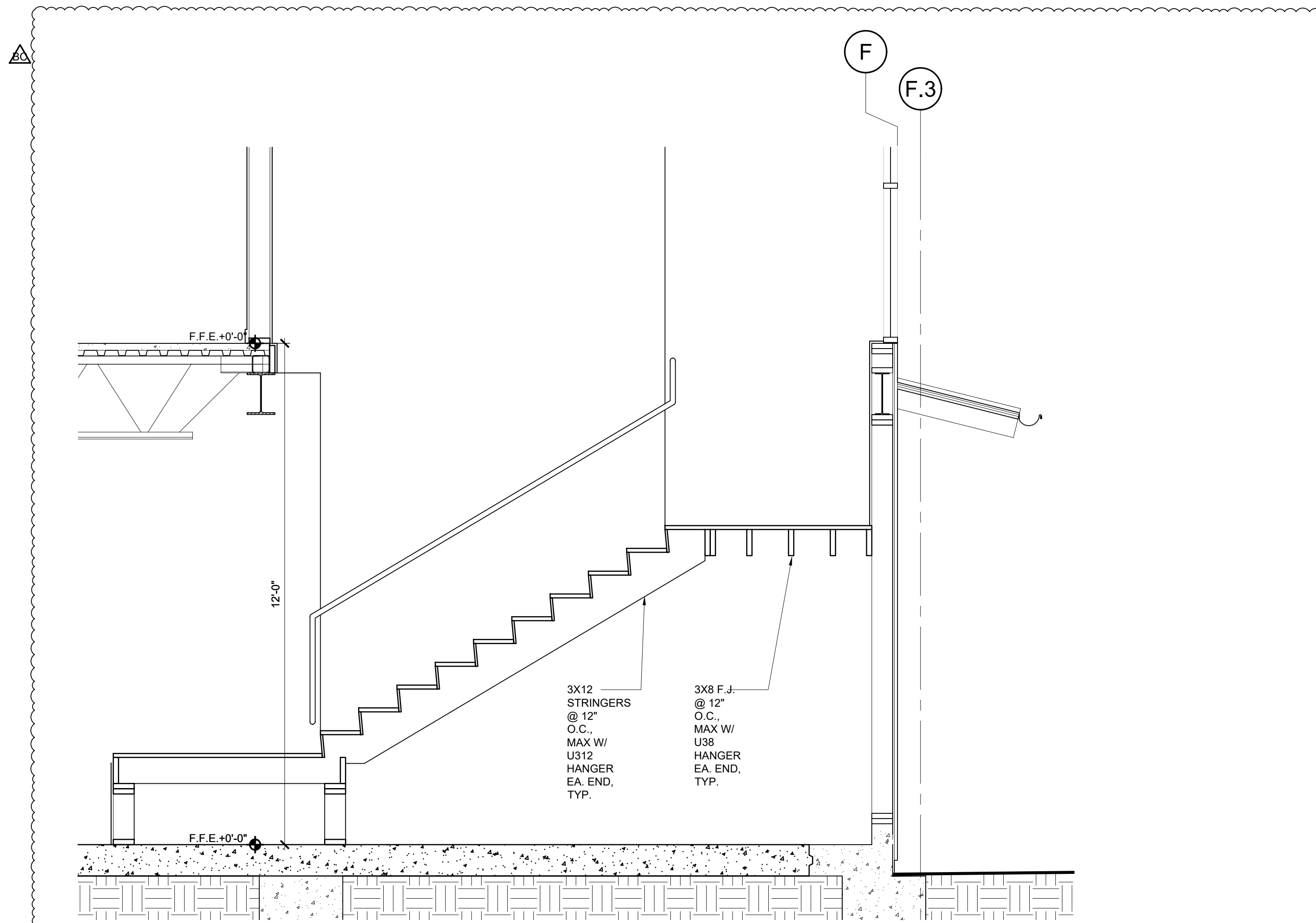
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**BUILDING SECTIONS**  
 SHEET NO.:

**A704**

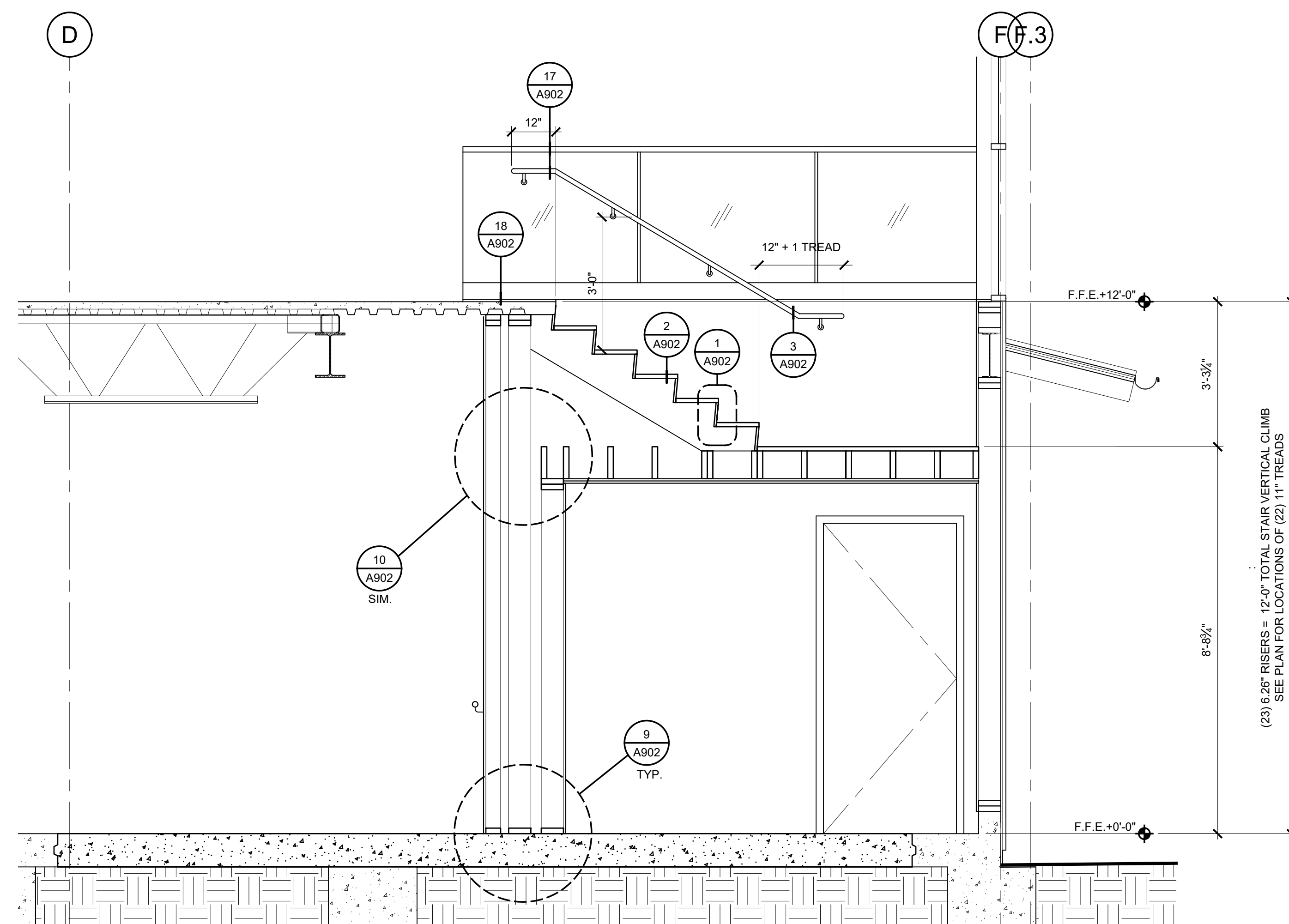
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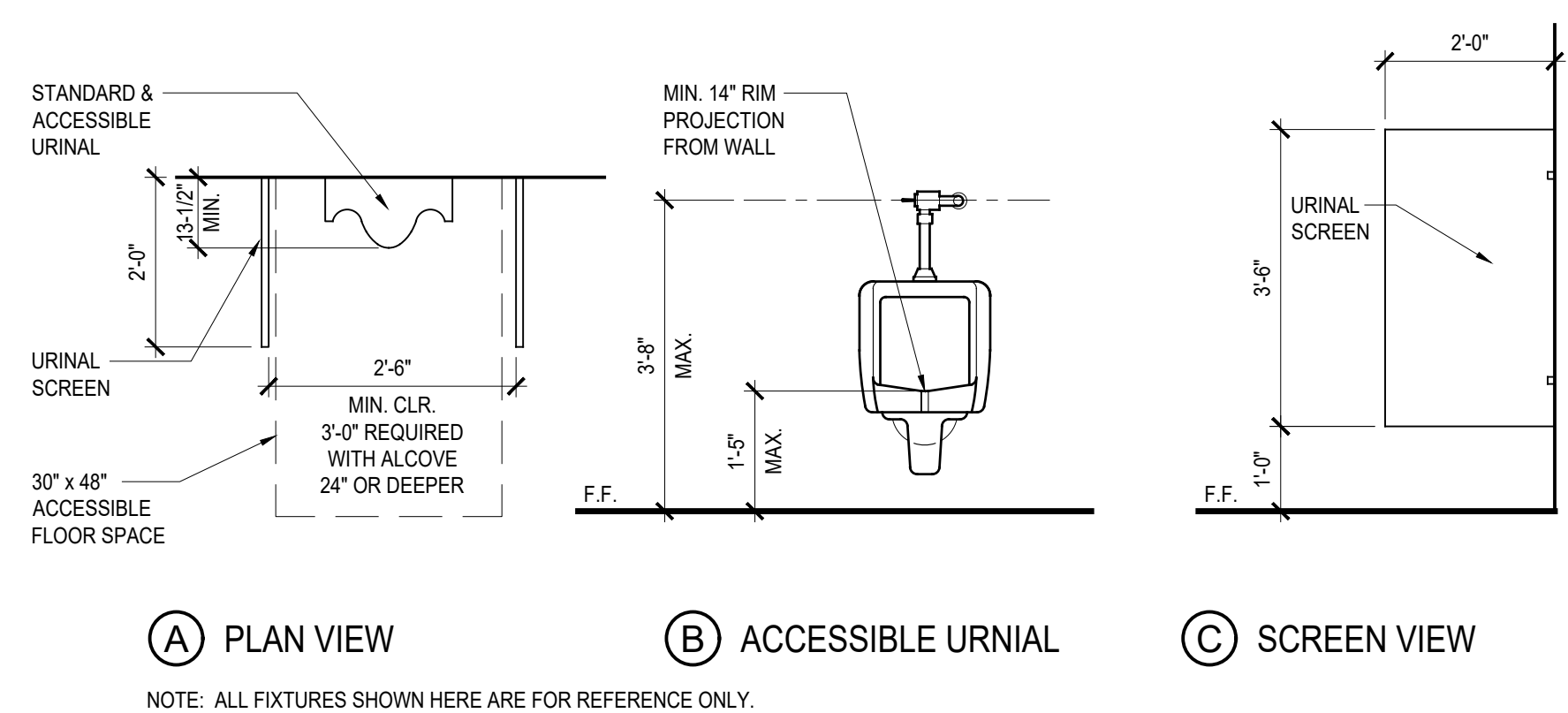
**1 CROSS SECTION AT NEW ELEVATOR & NEW STAIR (@ BOTT. RUN)**  
SCALE: 1/2" = 1'-0"



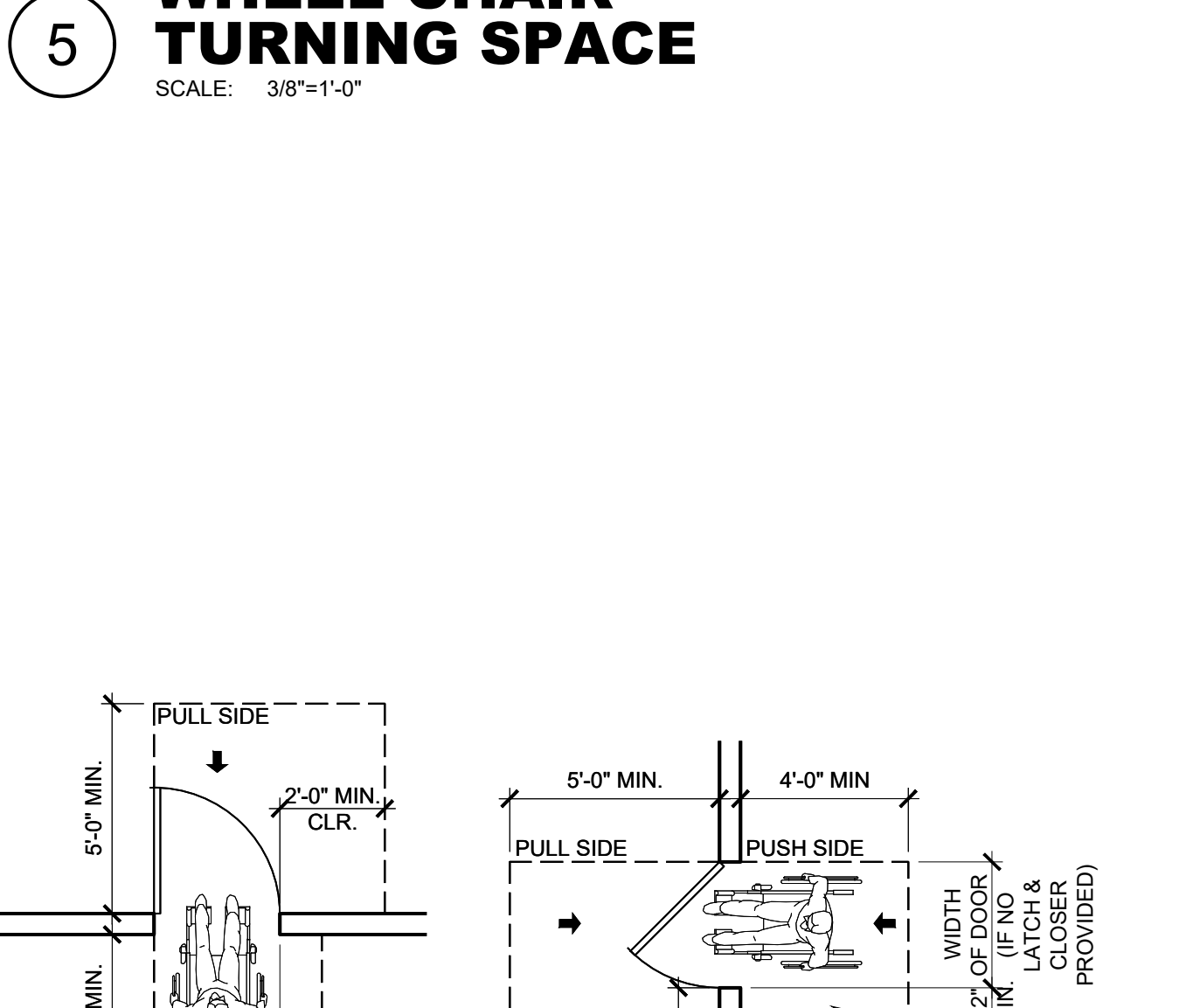
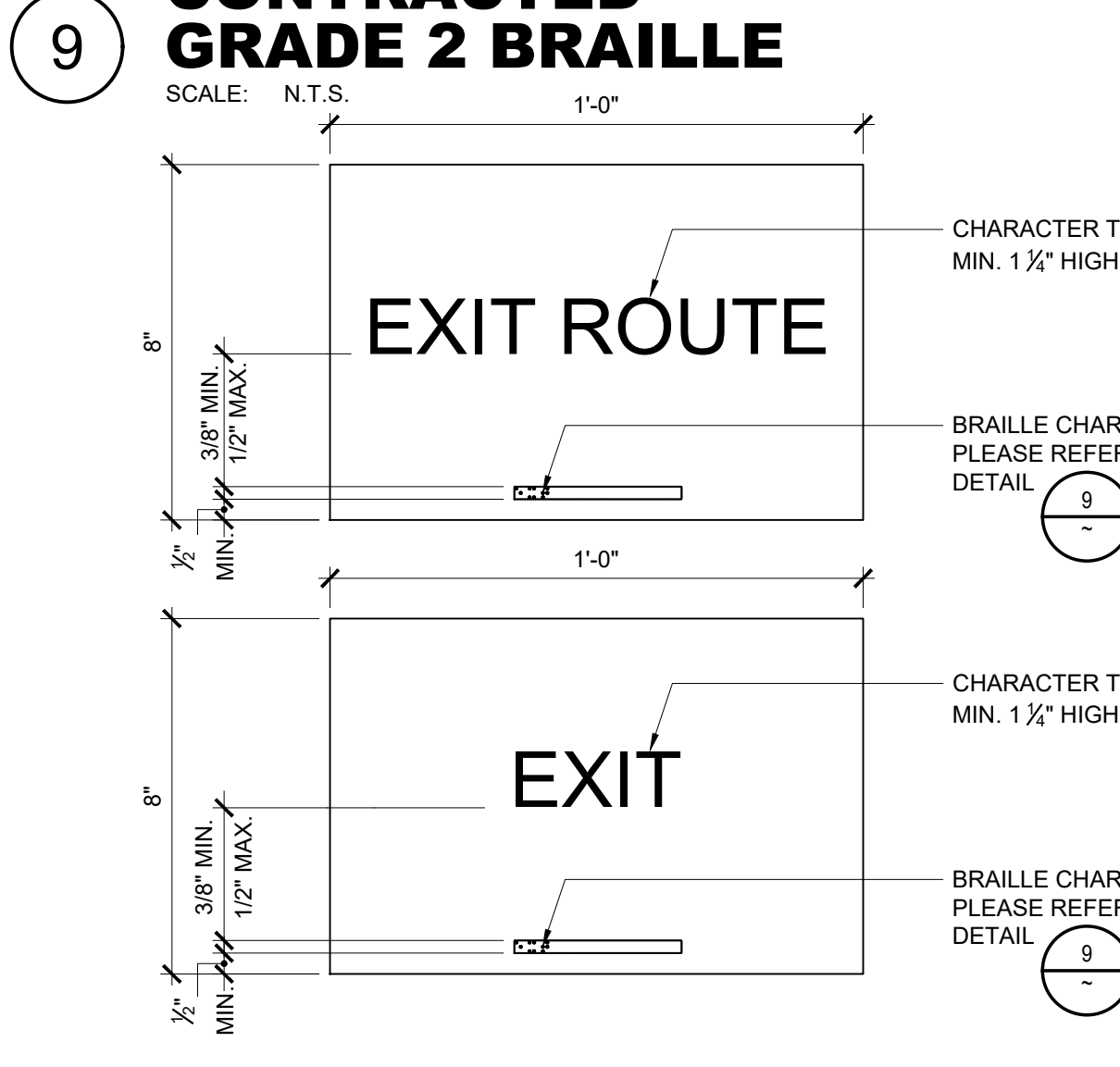
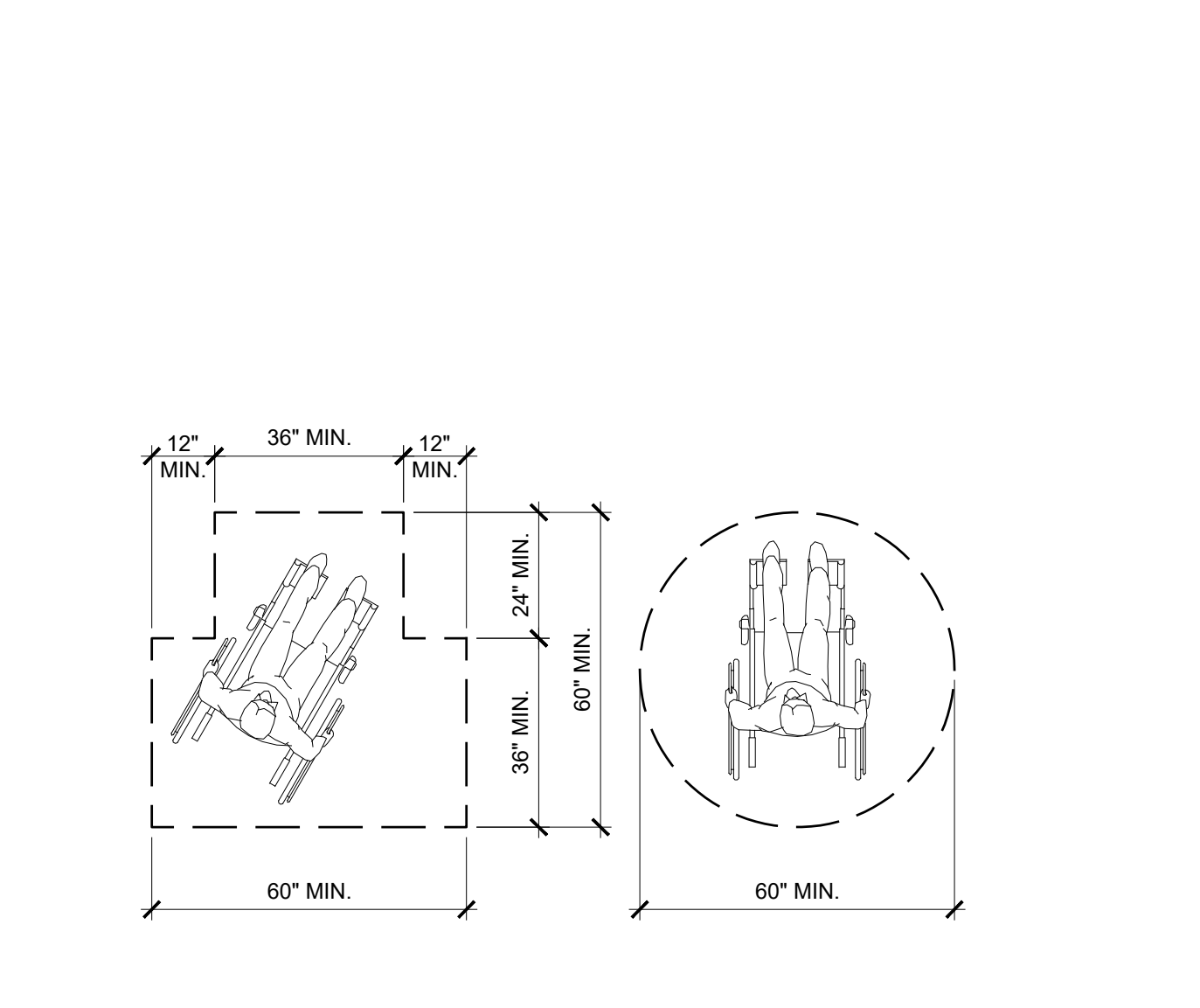
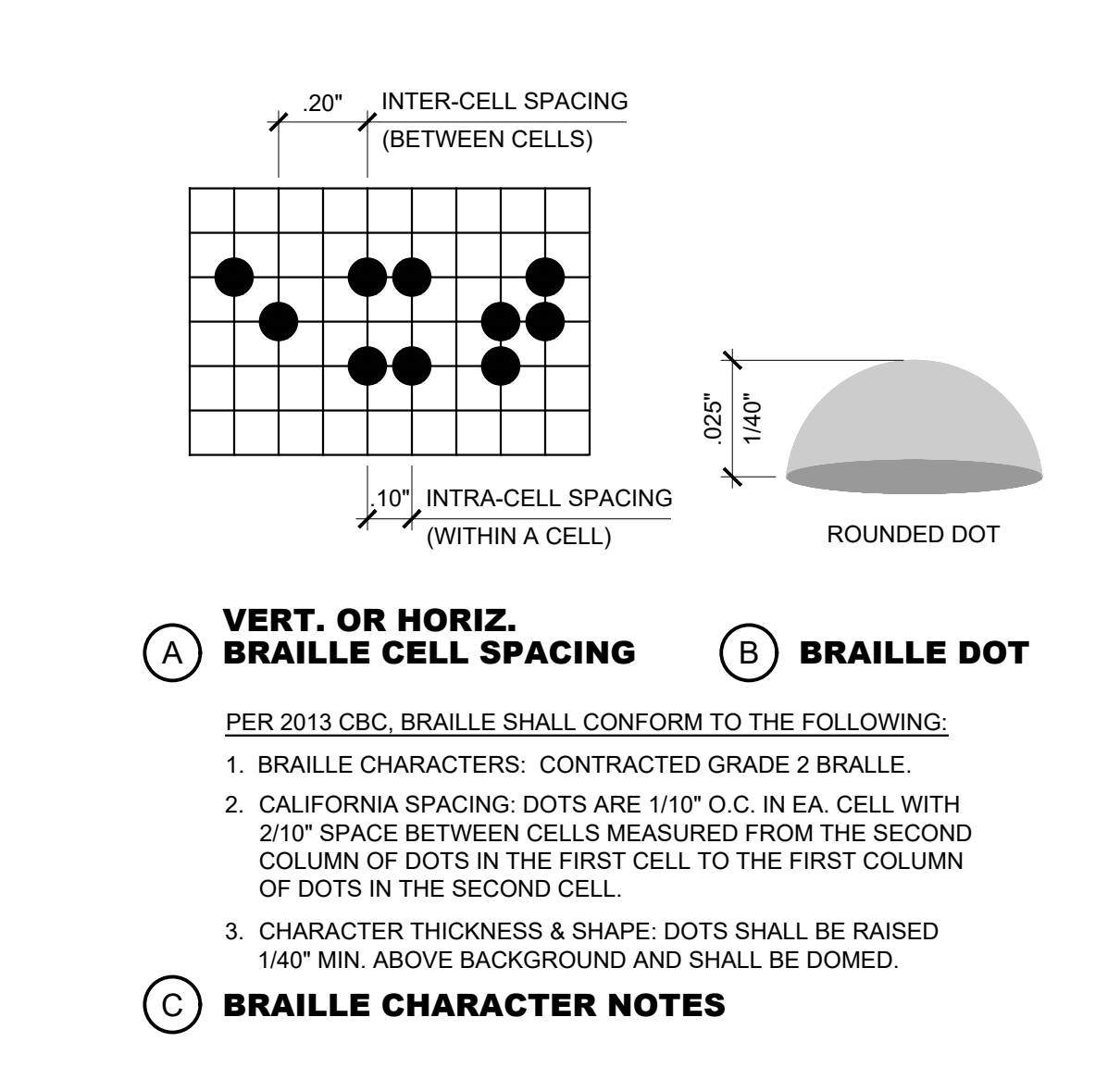
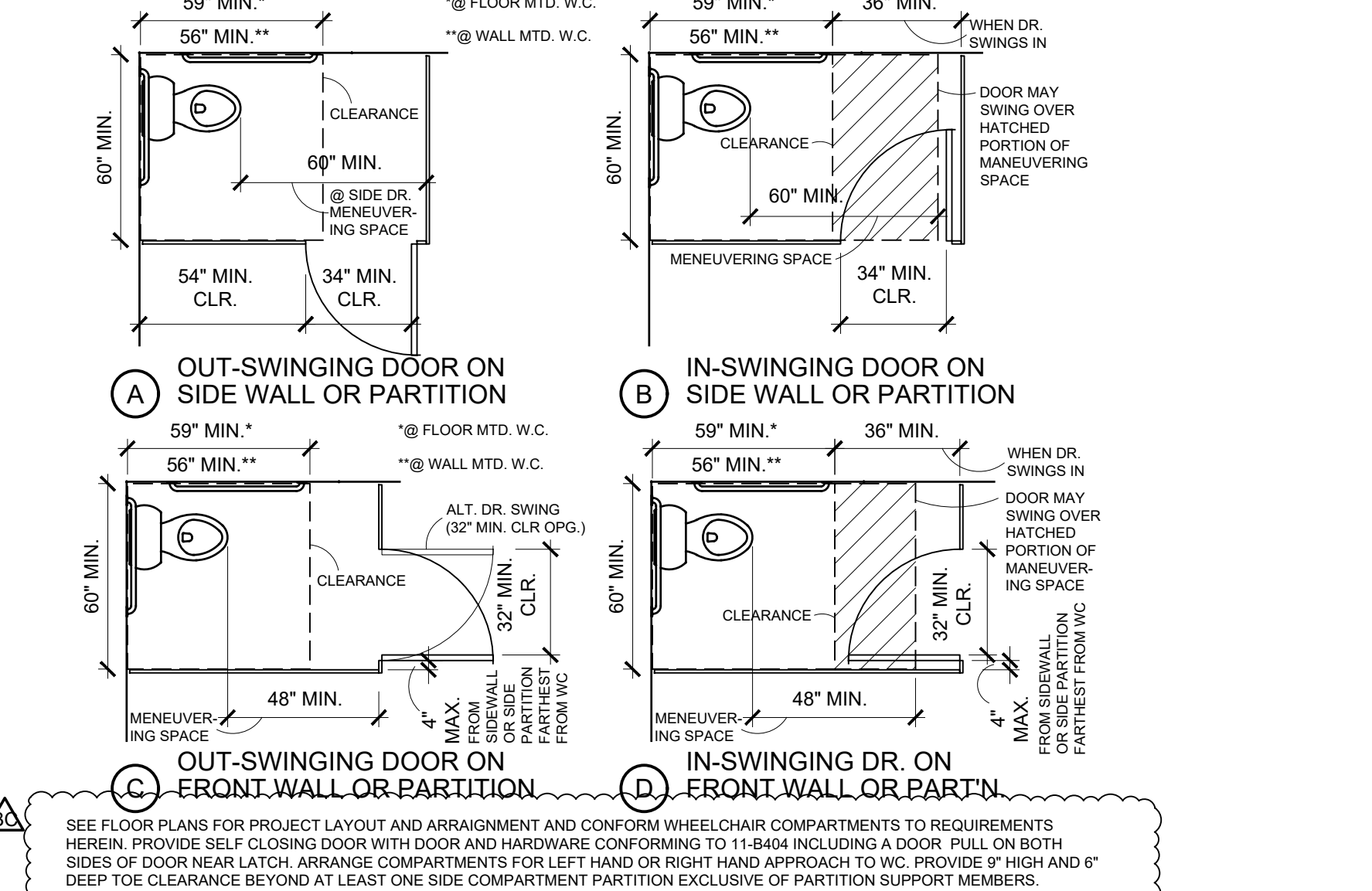
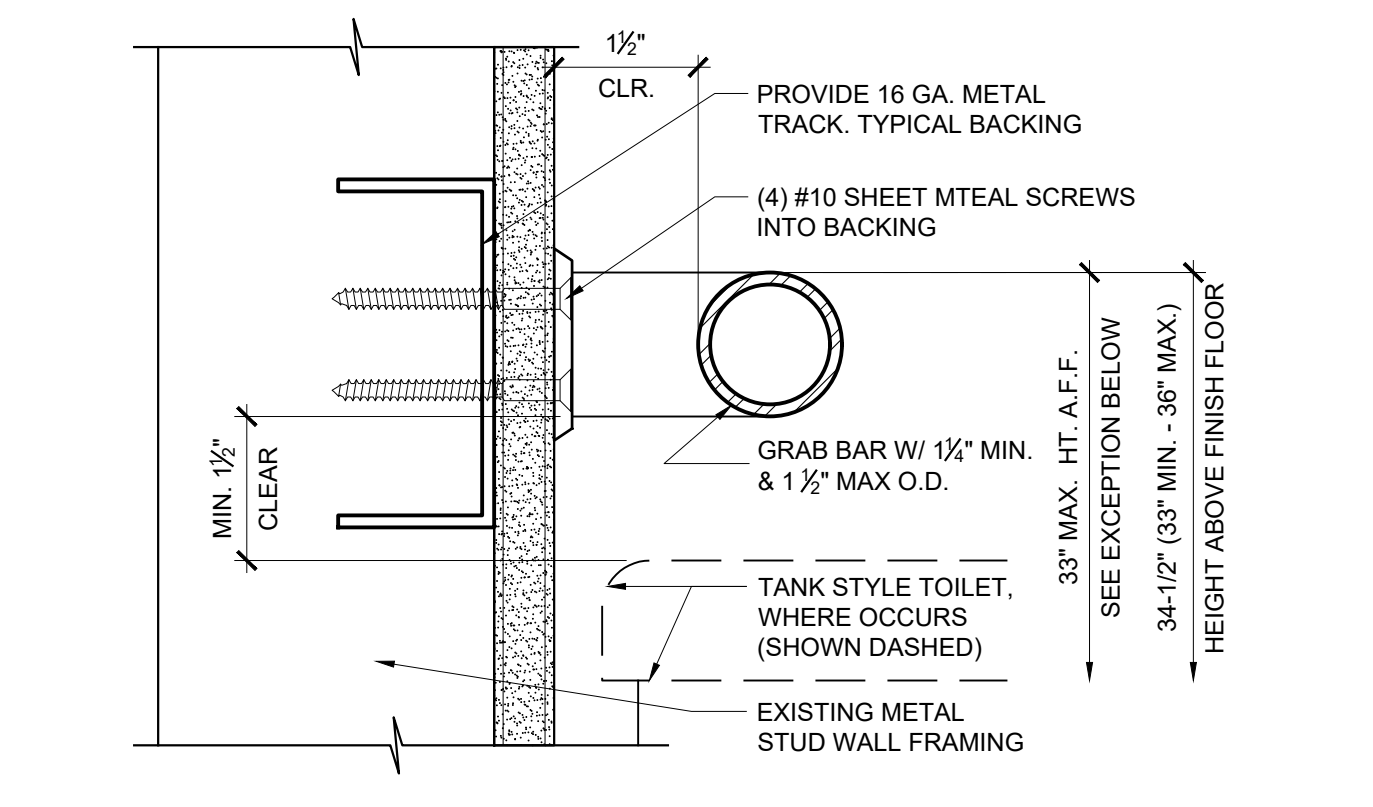
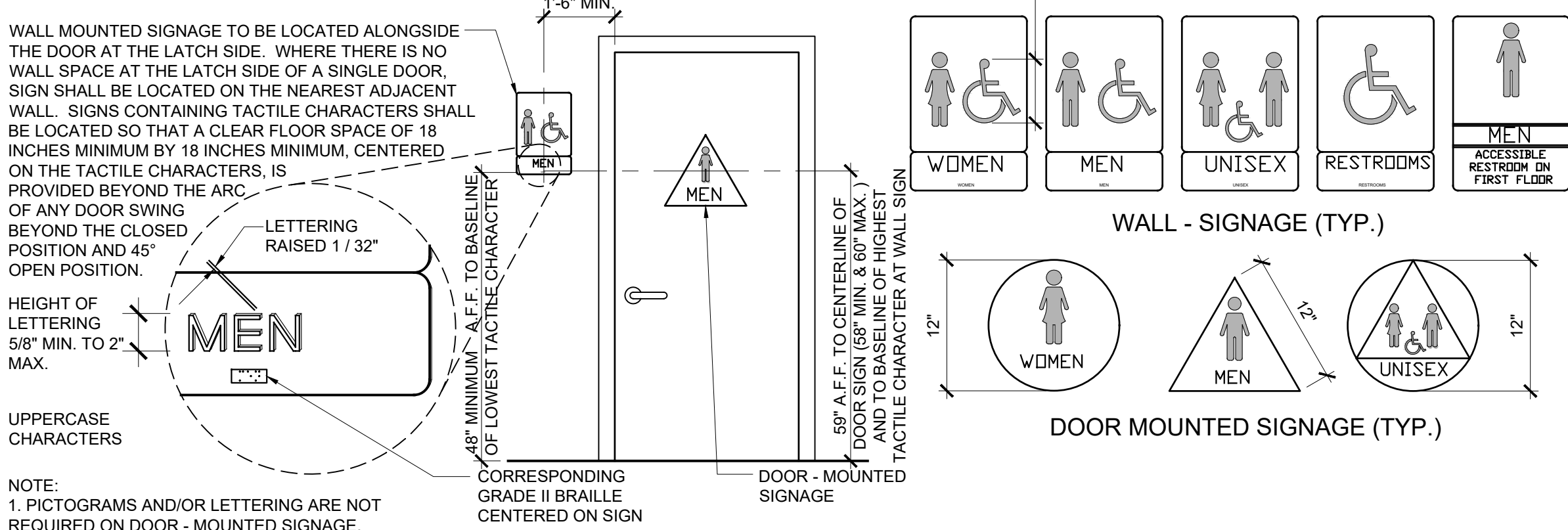
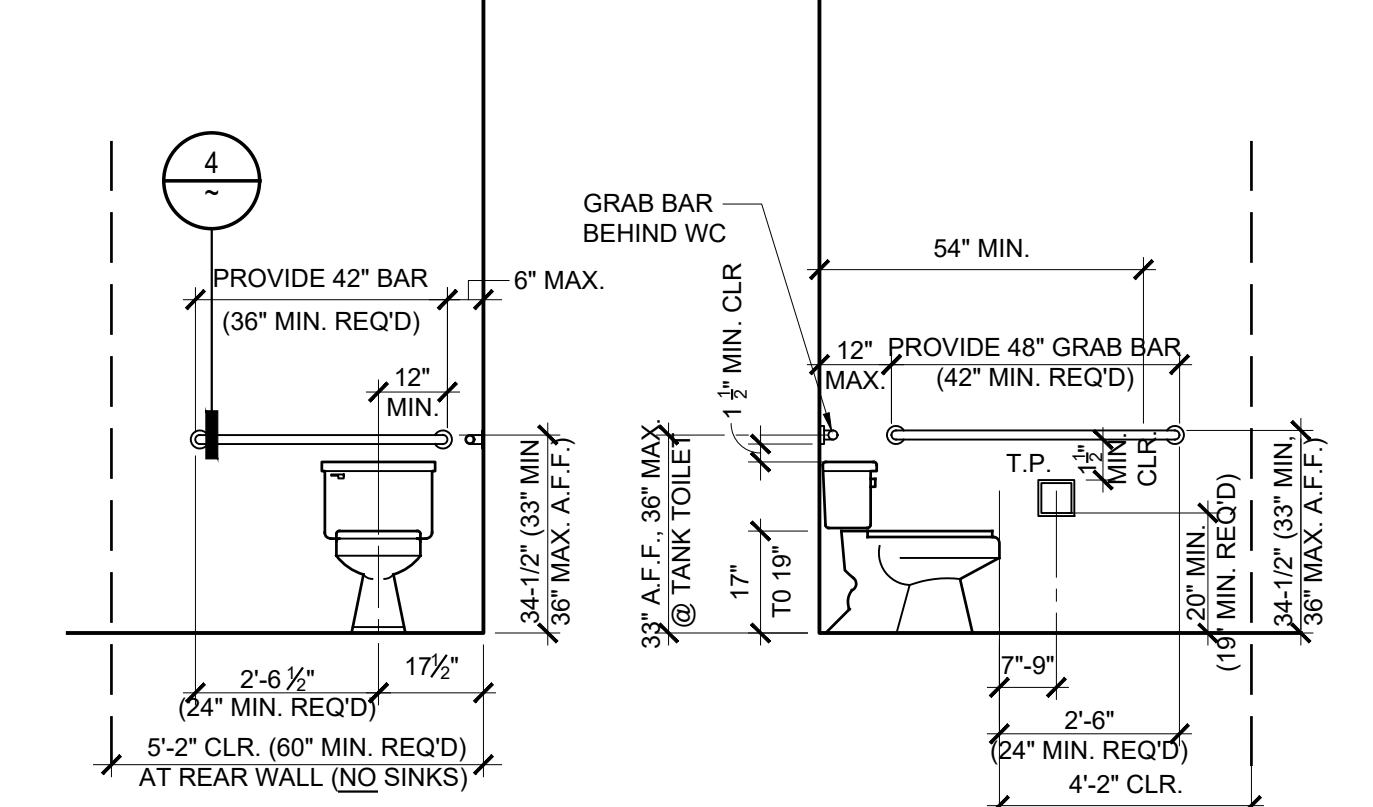
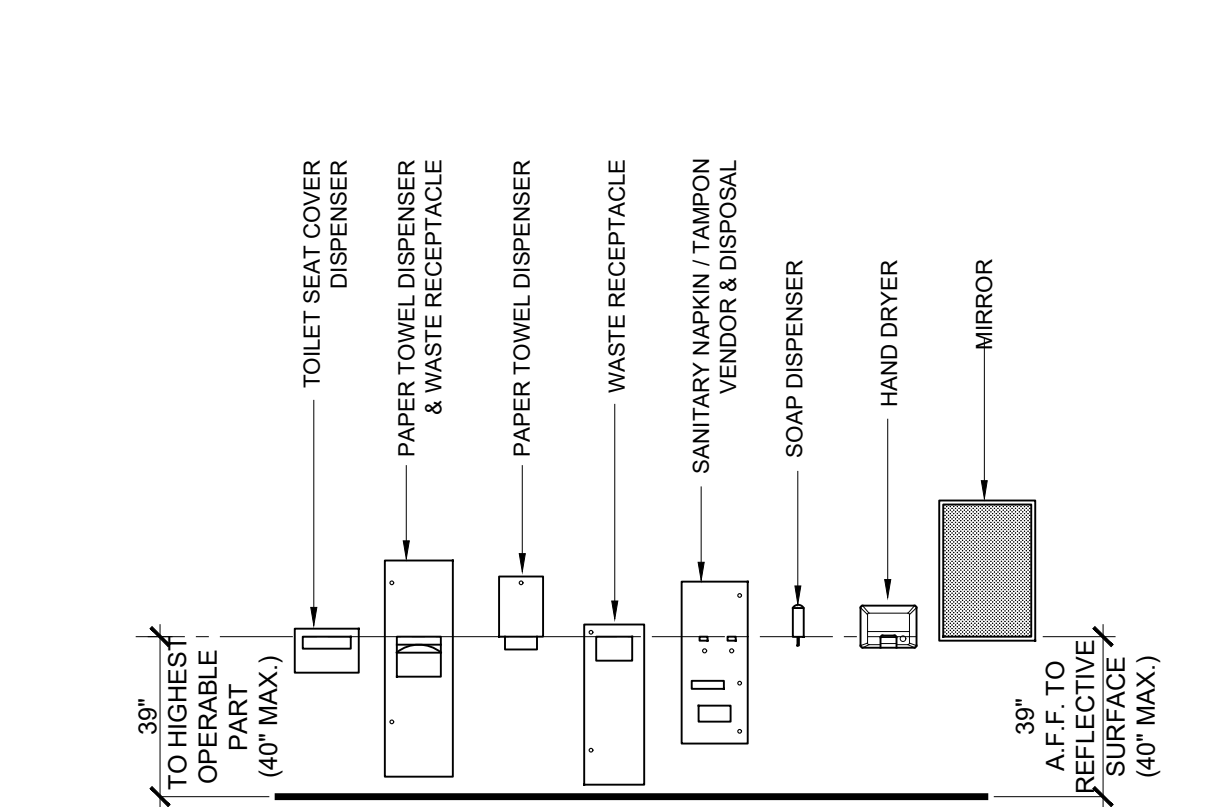
**3 CROSS SECTION AT NEW STAIR**  
SCALE: 1/2" = 1'-0"



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



**11 ACCESSIBLE URINALS (WHERE REQUIRED)**  
 SCALE: 1/2" = 1'-0"



## ACCESSIBILITY NOTES

**A. GENERAL**

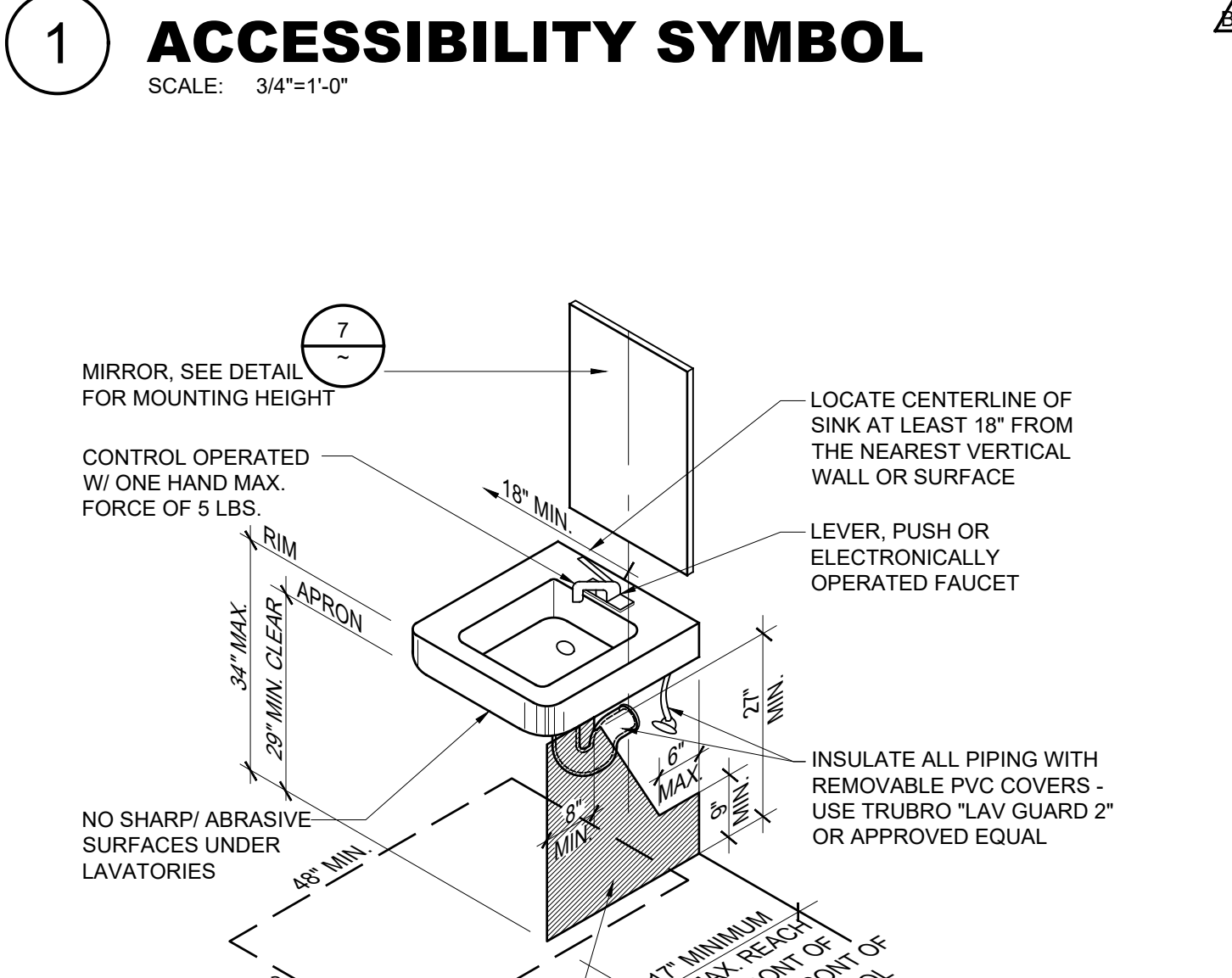
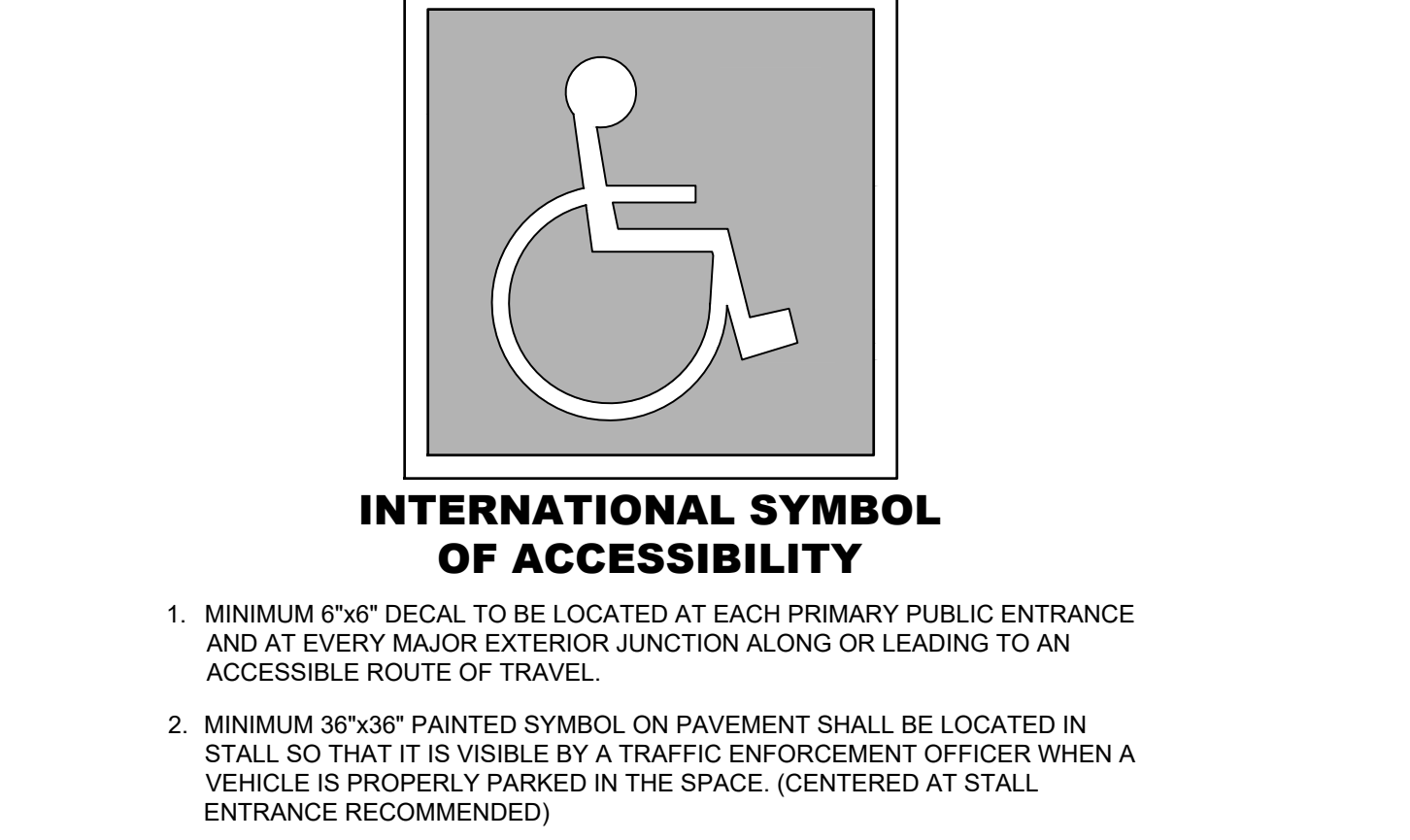
- All dimensions and clearances within restroom areas shown on details are to be measured from finished surfaces.
- Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle 1/2" thick, with edges 12" long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle 1/2" thick and 12" in diameter.
- Unisex sanitary facilities shall be identified by a circle 1/2" thick, 12" diameter, with a 1/2" thick triangle superimposed within the circle.
- 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.
- 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.
- 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 maximum 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 56" minimum clear floor space if water closet is floor mounted. No fixture (including sinks) shall obstruct this clear floor space at the water closet.
- In other than dwelling units, toilet rooms floors shall have a smooth, hard, non-absorbent 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.
- Lavatory faucets are lever type, push type or electronic control mechanism valves that are operable with one hand and do not 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.
- Lavatories adjacent to a wall shall be mounted with a minimum distance of 18" to the center line of the fixture.
- 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 9" 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.
- All piping under lavatories shall be configured, insulated or otherwise covered to prevent contact. There shall be no sharp or abrasive surfaces under lavatories.
- 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.
- Mirrors shall be mounted with the bottom of the reflective surface no higher than 40" from the finished floor elevation.
- 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.
- 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'-0" of the front edge of the toilet seat to the centerline of the dispenser with 15" min. height from floor to center line of dispenser (below grab bar).
- 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**

- Grab bars shall be located on each side, or on one side and the back of the accessible toilet stall or compartment.
- 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.
- Grab bars shall be securely attached 33" AFF to centerline and parallel to the floor, except that where a tank-style toilet is used which obstructs placement at 33", the grab bar may be as high as 36".
- 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 1-1/2".
- No protruding objects shall be mounted 12" above the grab bar or 1-1/2" below the grab bar.



**WR&D**  
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REGISTERED ARCHITECT  
 No. 21266  
 EXPIRES 4/30/25  
 STATE OF CALIFORNIA

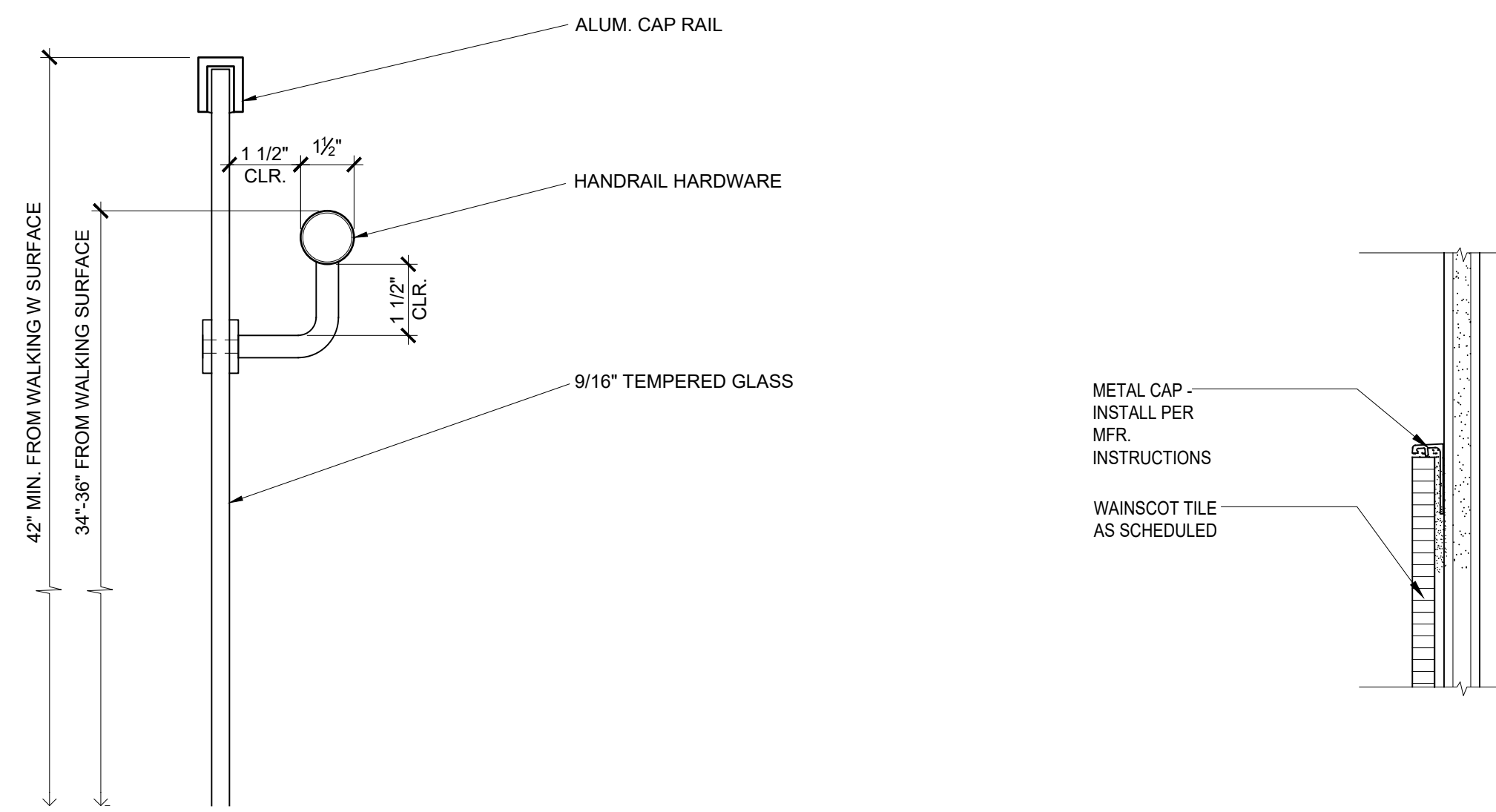
**MOSS LANDING HARBOR DISTRICT NORTH HARBOR BUILDING WARM SHELL**  
 2460 HIGHWAY ONE, MOSS LANDING CA 95039  
 MOSS LANDING HARBOR DISTRICT  
 7881 SANHOLT ROAD, MOSS LANDING CA 95039  
 A.P.N. NO.: 413-002-00(G & 5)-000

JOB NO. 22084  
 PRINT DATE: 7.20.2023  
 PLOT DATE: DD  
 DRAWN BY: DD  
 CHECKED BY:  
 SET ISSUED:

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

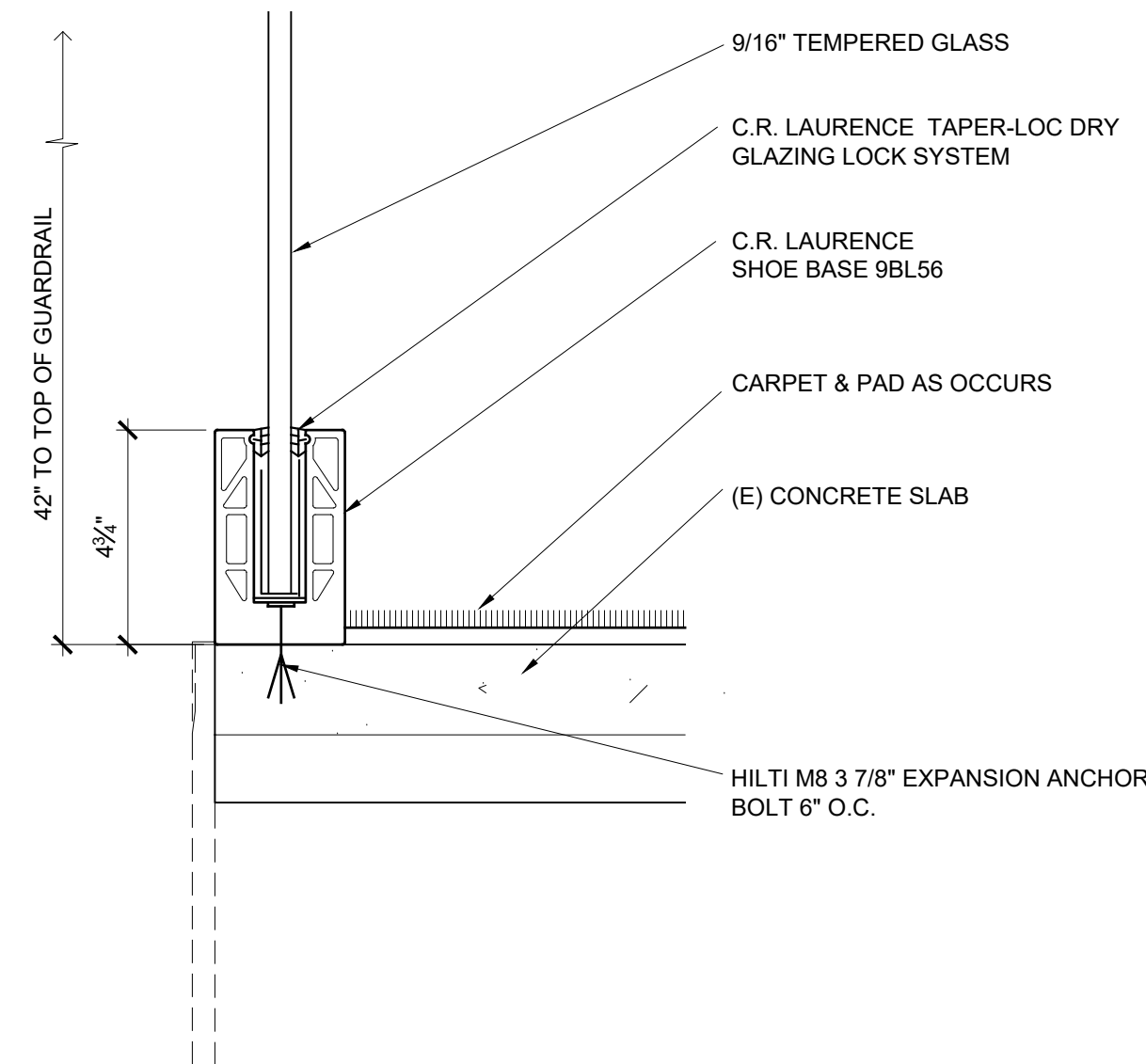
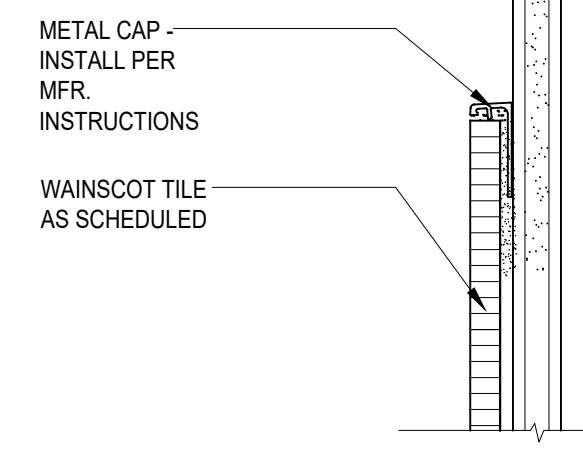
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 SHEET NO.: **A901**  
 FILE NAME: 22084-001





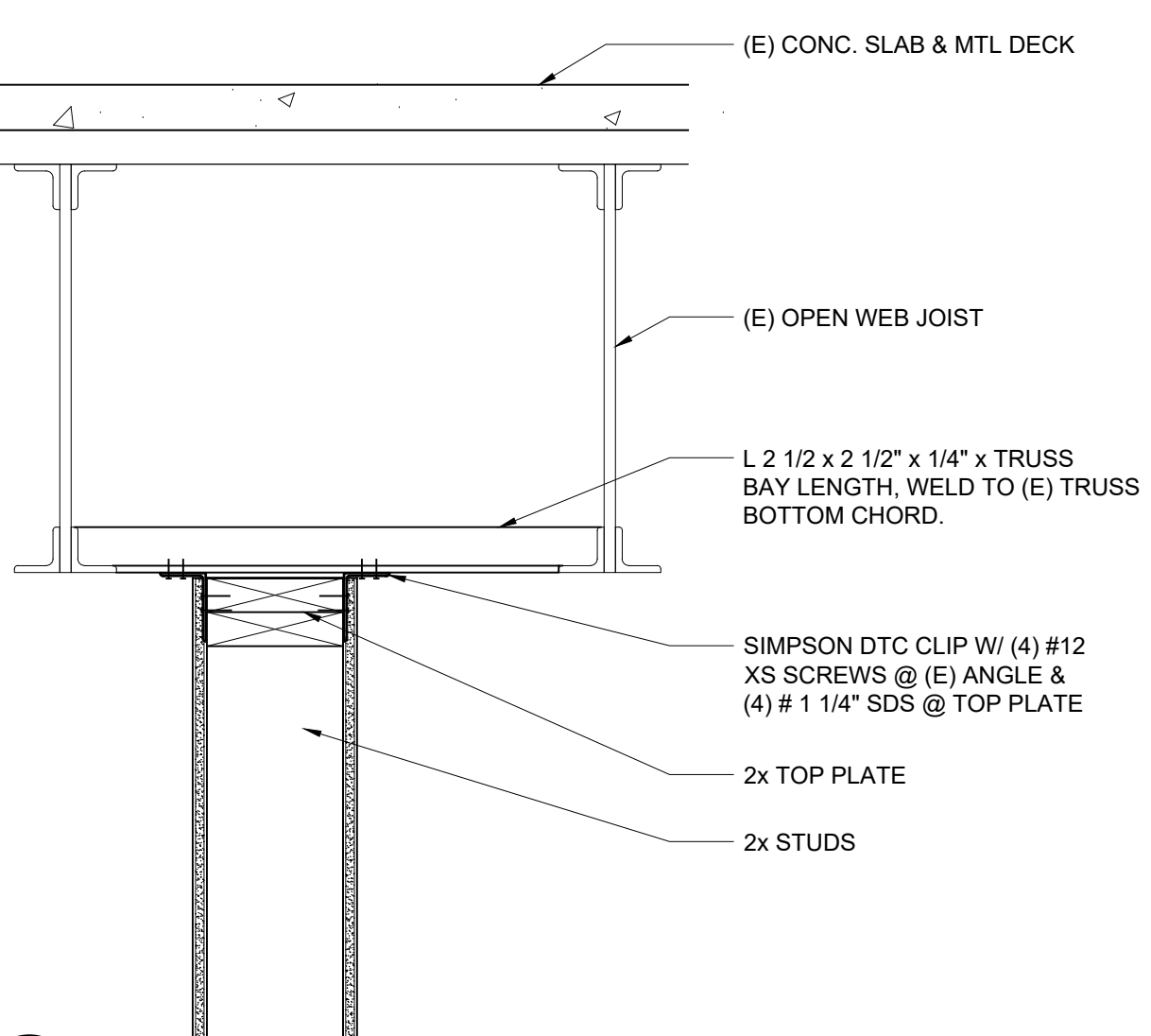
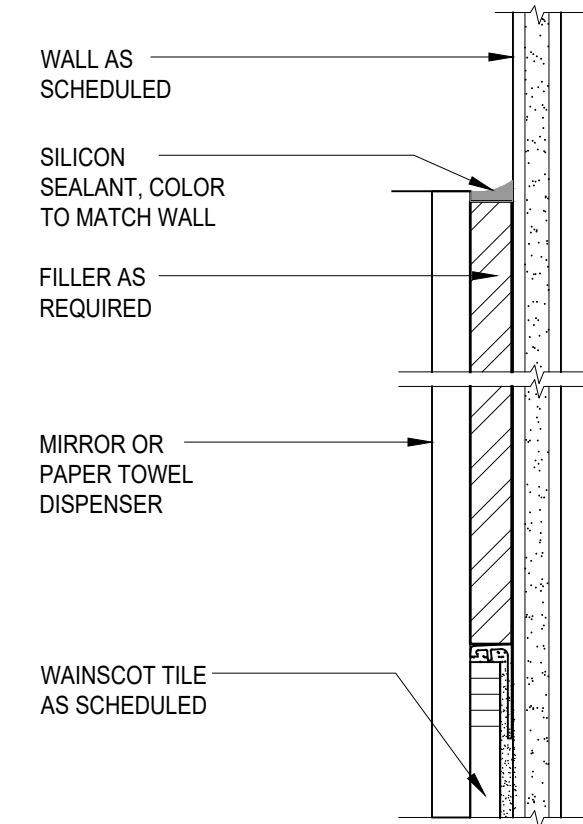
**17** GLASS RAIL  
SCALE: 3" = 1'-0"

**13** (N) METAL WAINSCOT CAP  
SCALE: 6" = 1'-0"



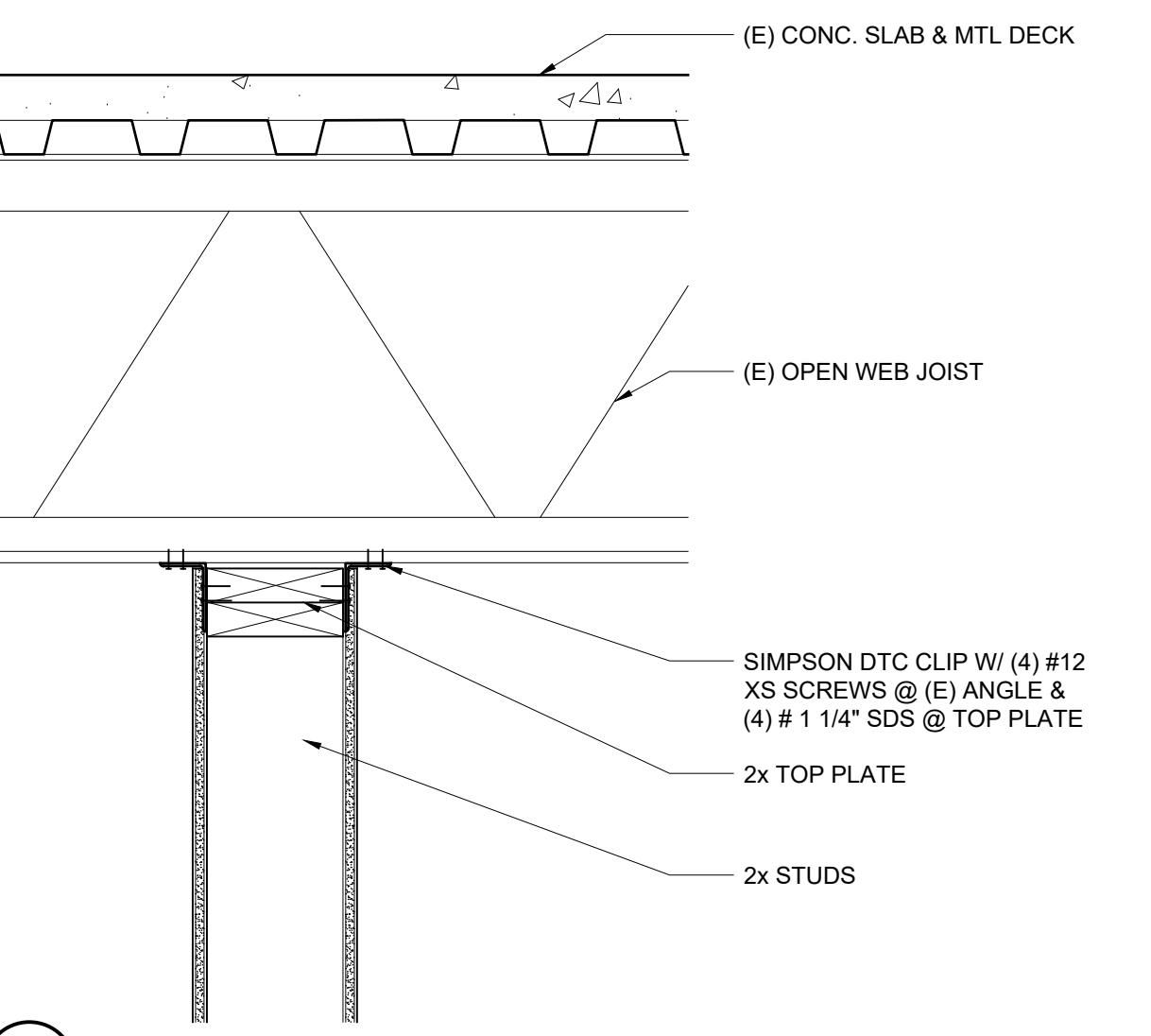
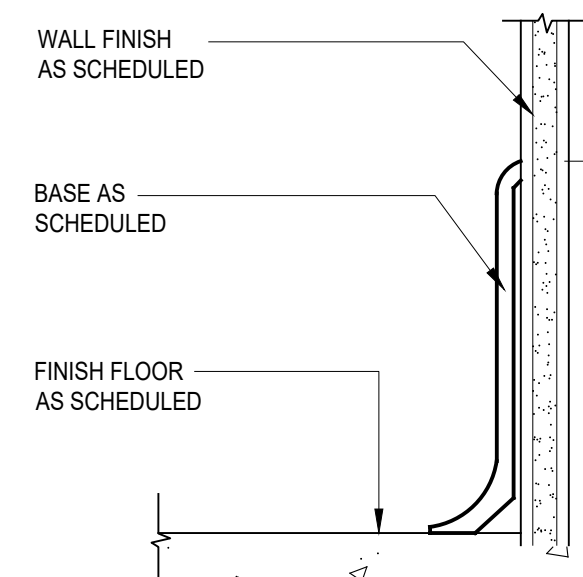
**18** GLASS RAIL SHOE BASE  
SCALE: 3" = 1'-0"

**14** BACK FILLER AT TOILET ACCESSORIES  
SCALE: 6" = 1'-0"



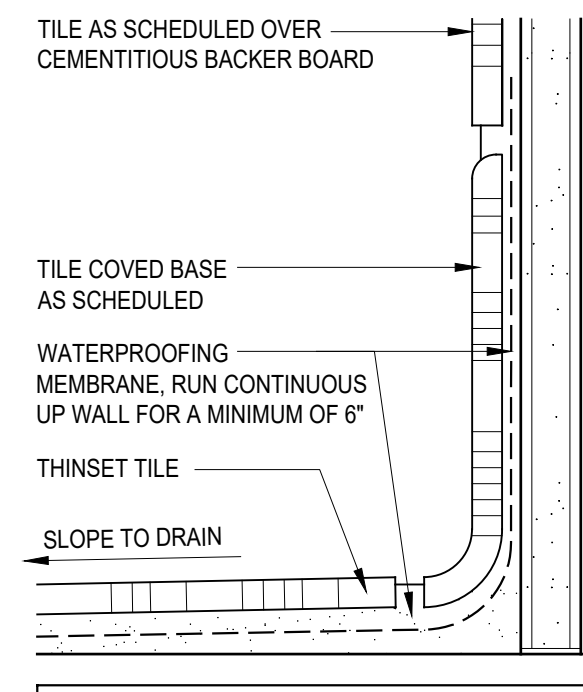
**B** PARALLEL TO TRUSS

**15** RUBBER BASE  
SCALE: 6" = 1'-0"



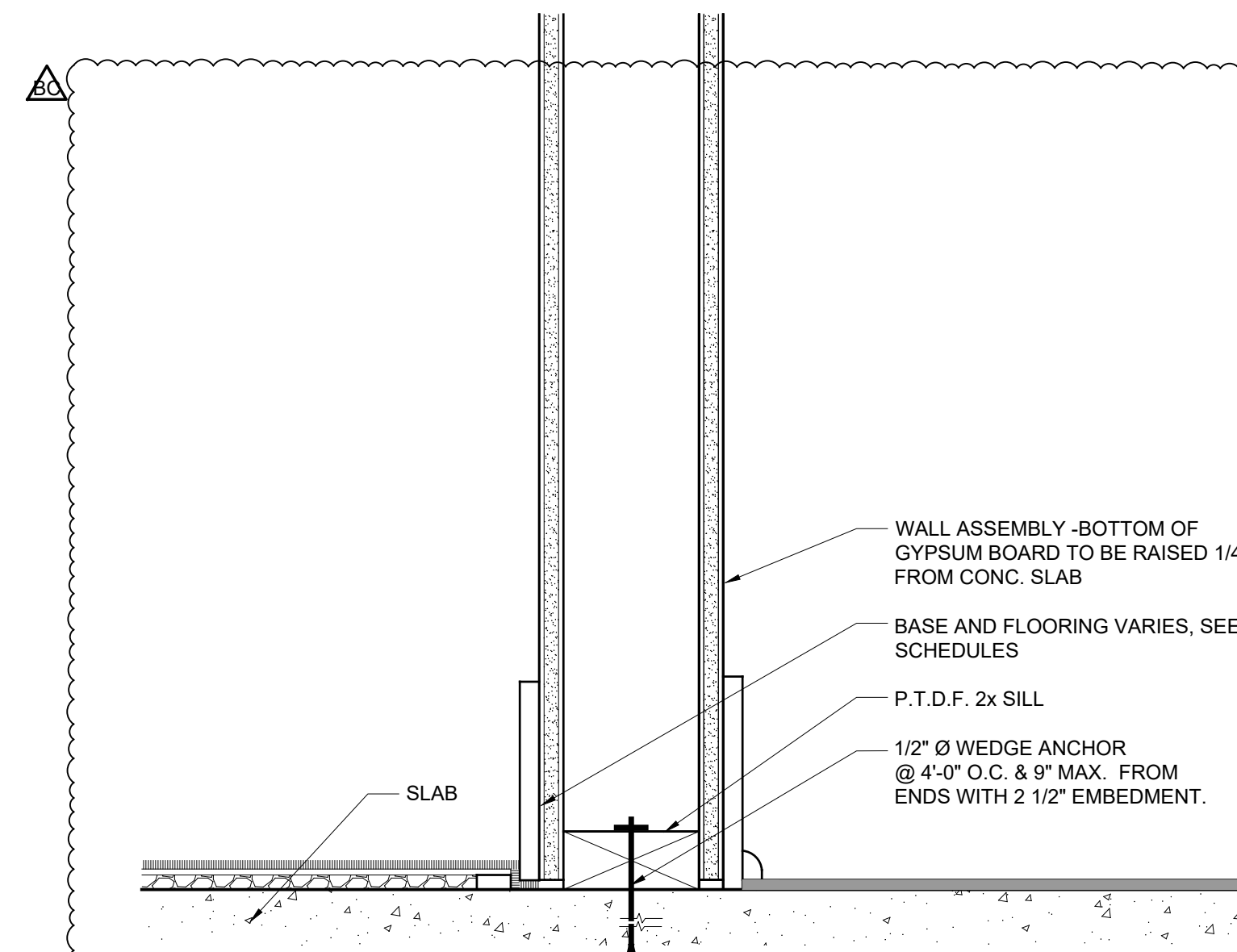
**A** PERPENDICULAR TO TRUSS

**16** TILE BASE  
SCALE: 6" = 1'-0"

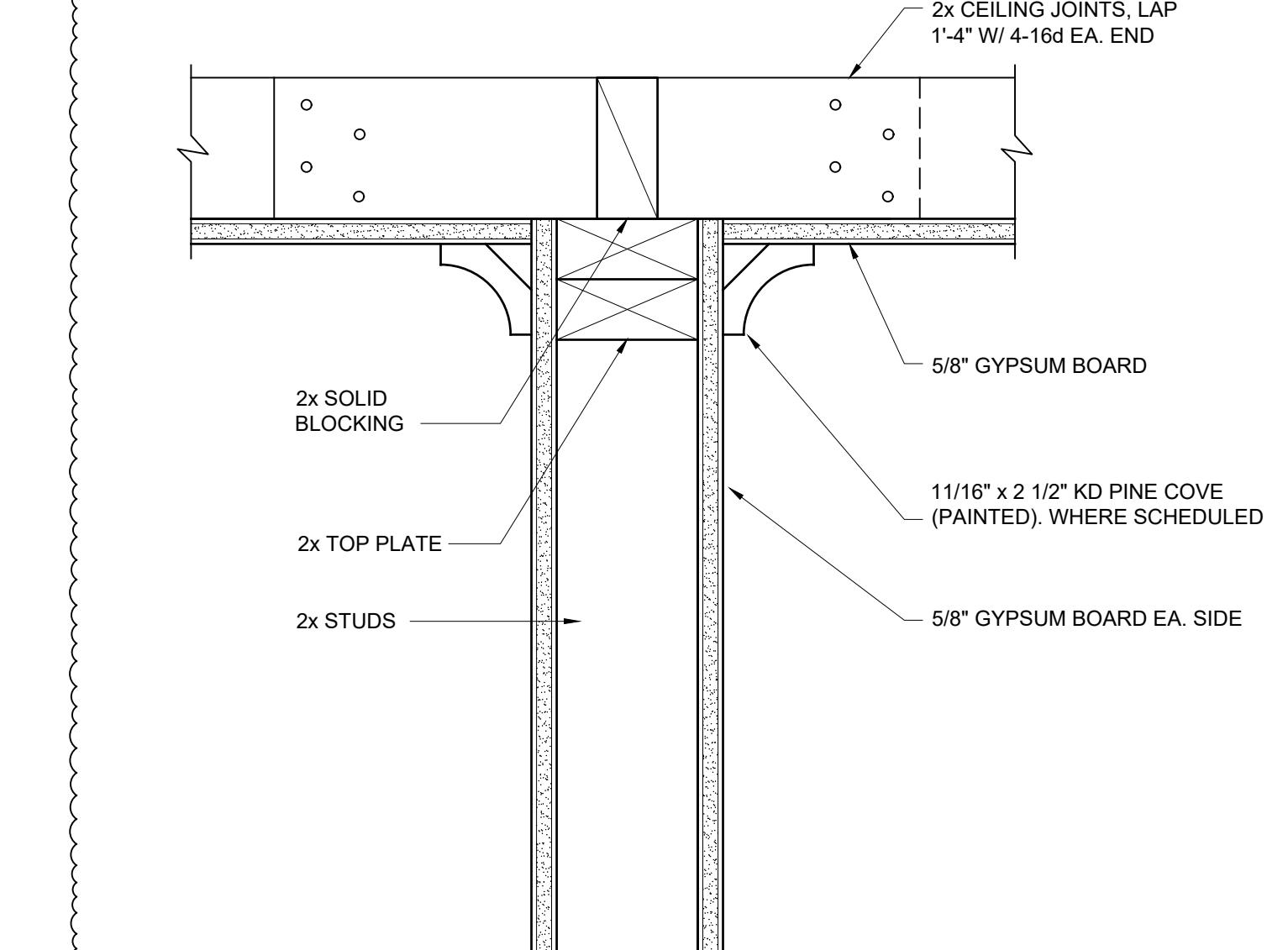


NOTE:  
CONTRACTOR TO GRIND EXISTING CONCRETE SLAB AS REQUIRED TO ACHIEVE POSITIVE DRAINAGE.

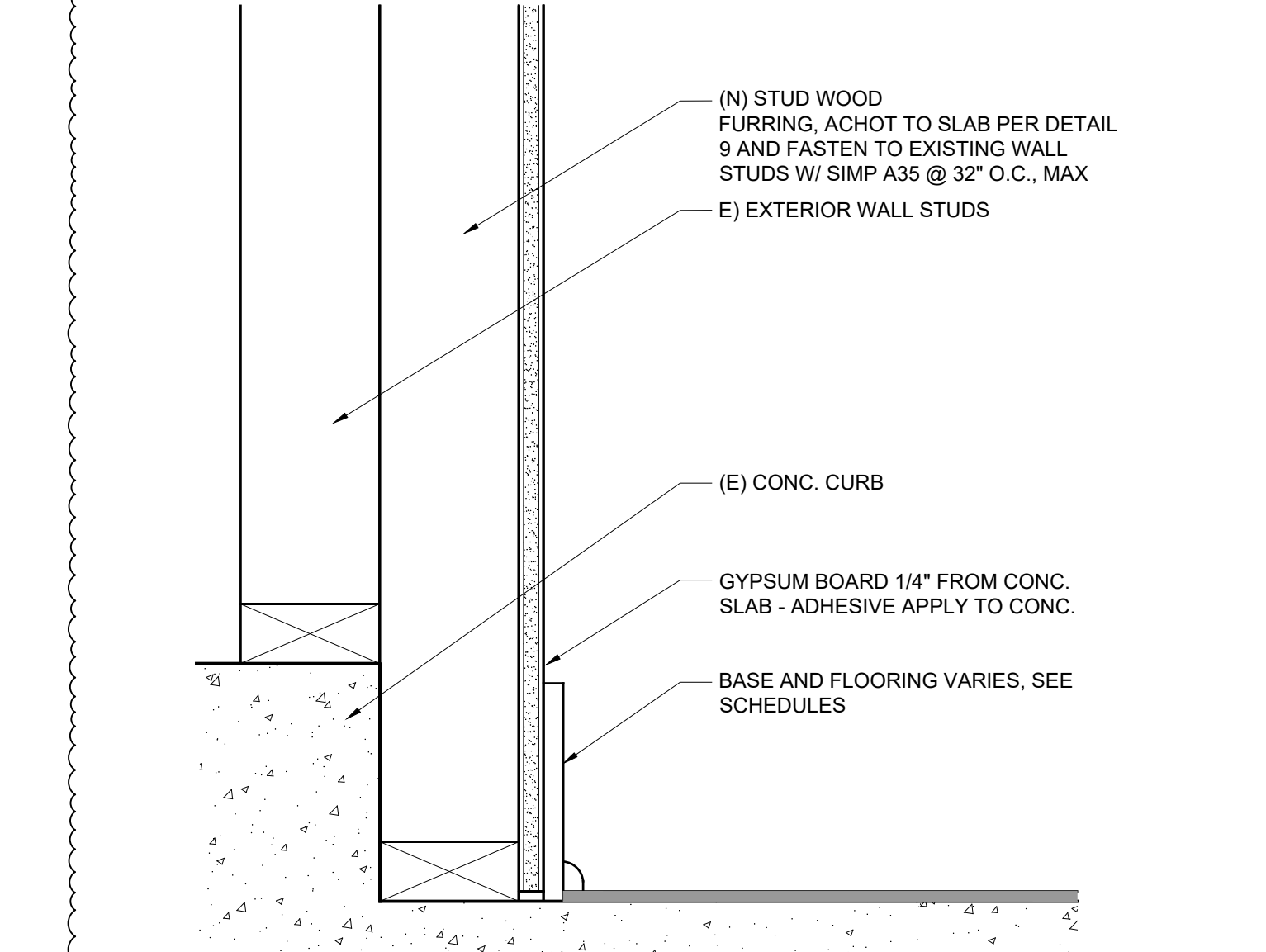
TINSET TILE WITH COVE BASE OVER EXISTING CONCRETE SLAB TYPICAL AT ALL RESTROOMS



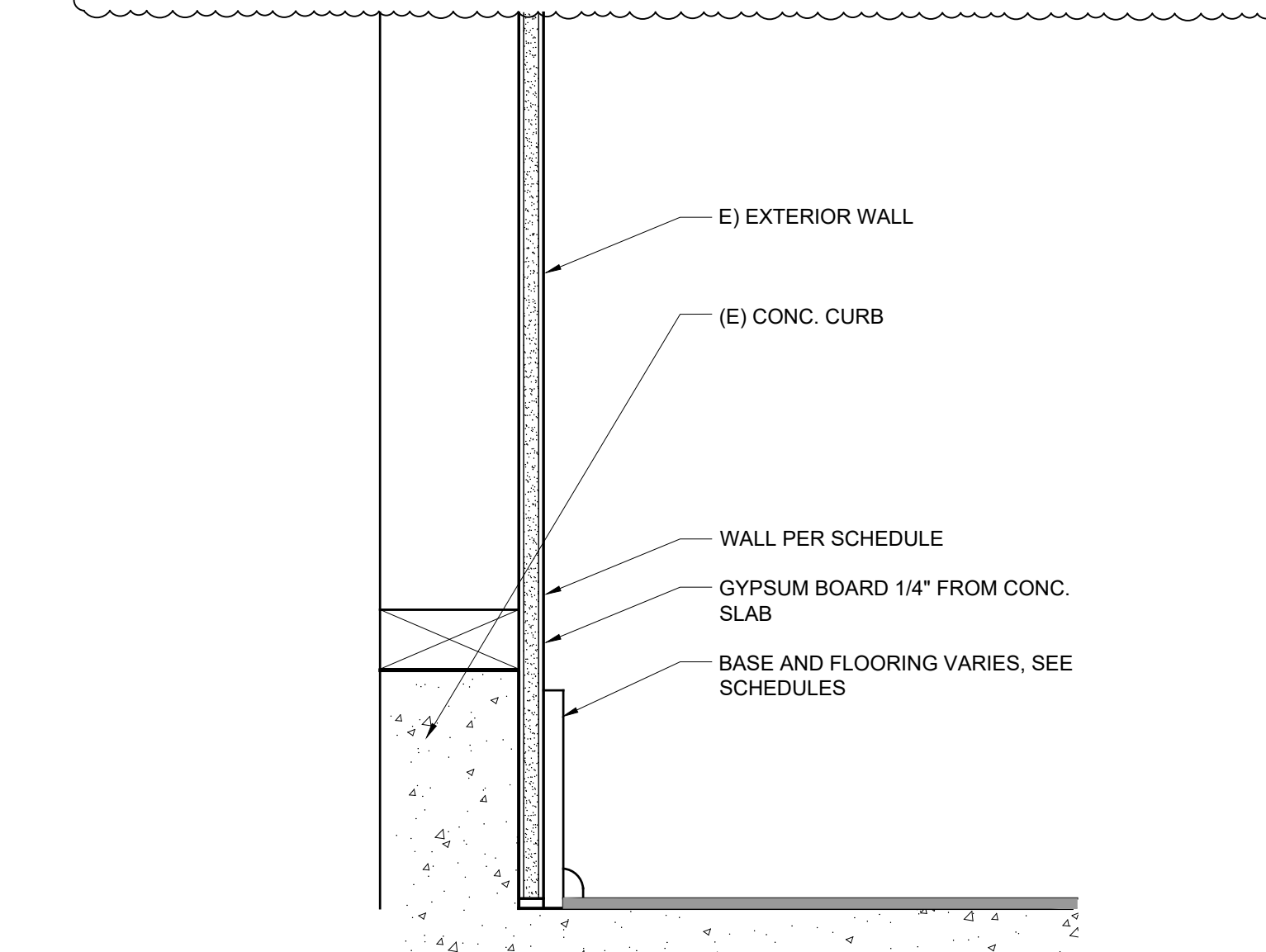
**9** (N) INTERIOR WALL @ SLAB  
SCALE: 3" = 1'-0"



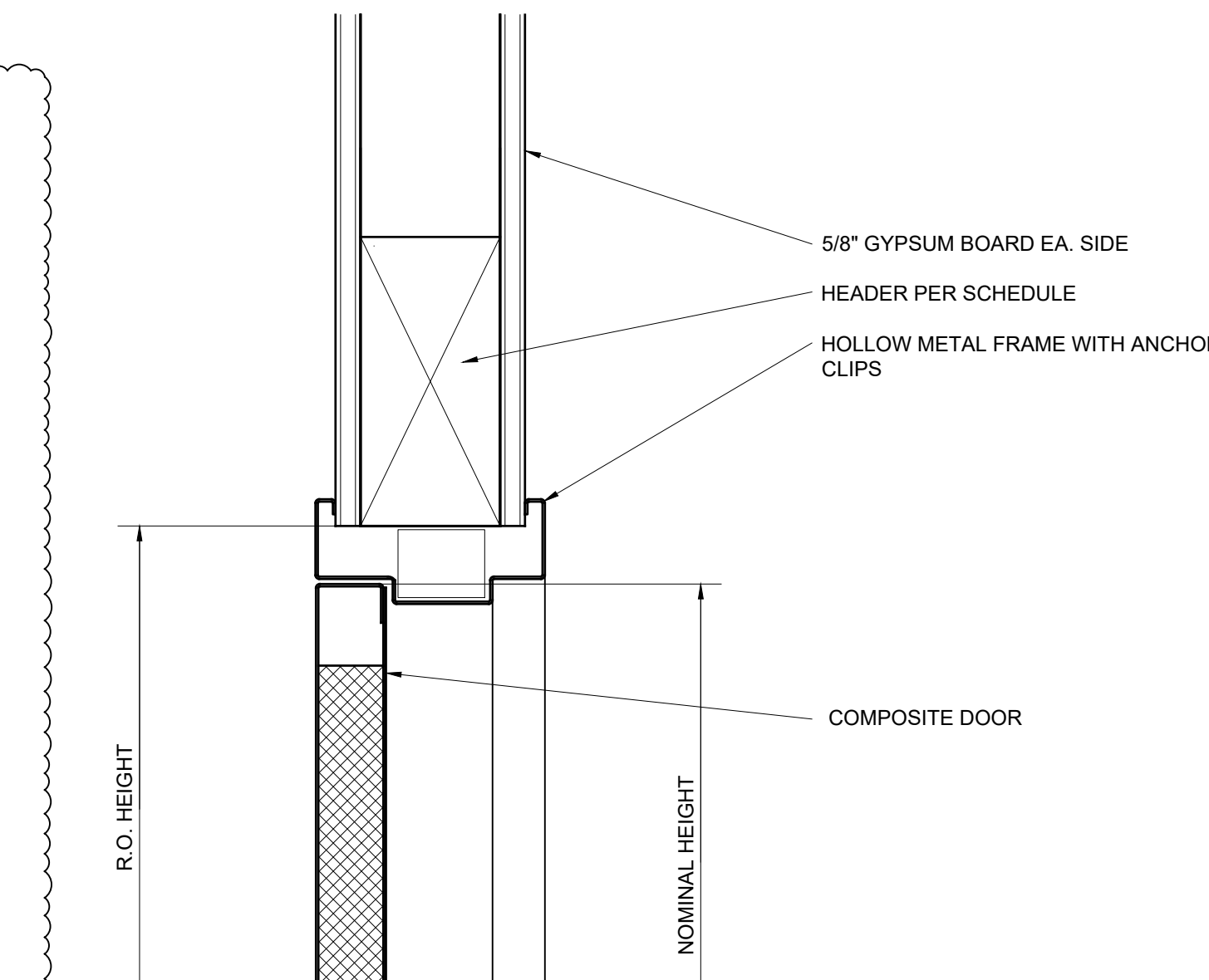
**10** (N) INTERIOR WALL @ CEILING  
SCALE: 3" = 1'-0"



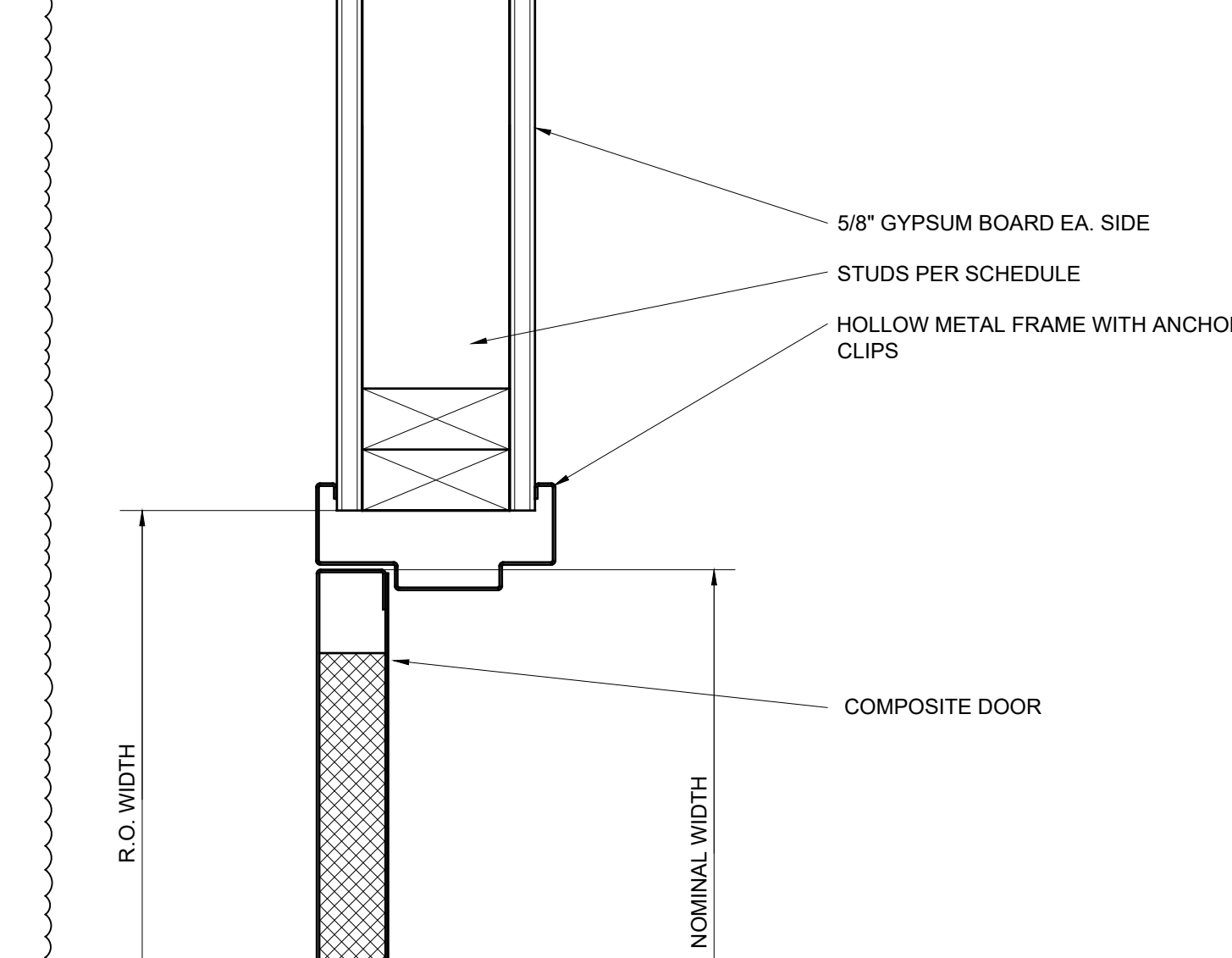
**11** (N) INTERIOR WALL FURRING @ FLOOR  
SCALE: 3" = 1'-0"



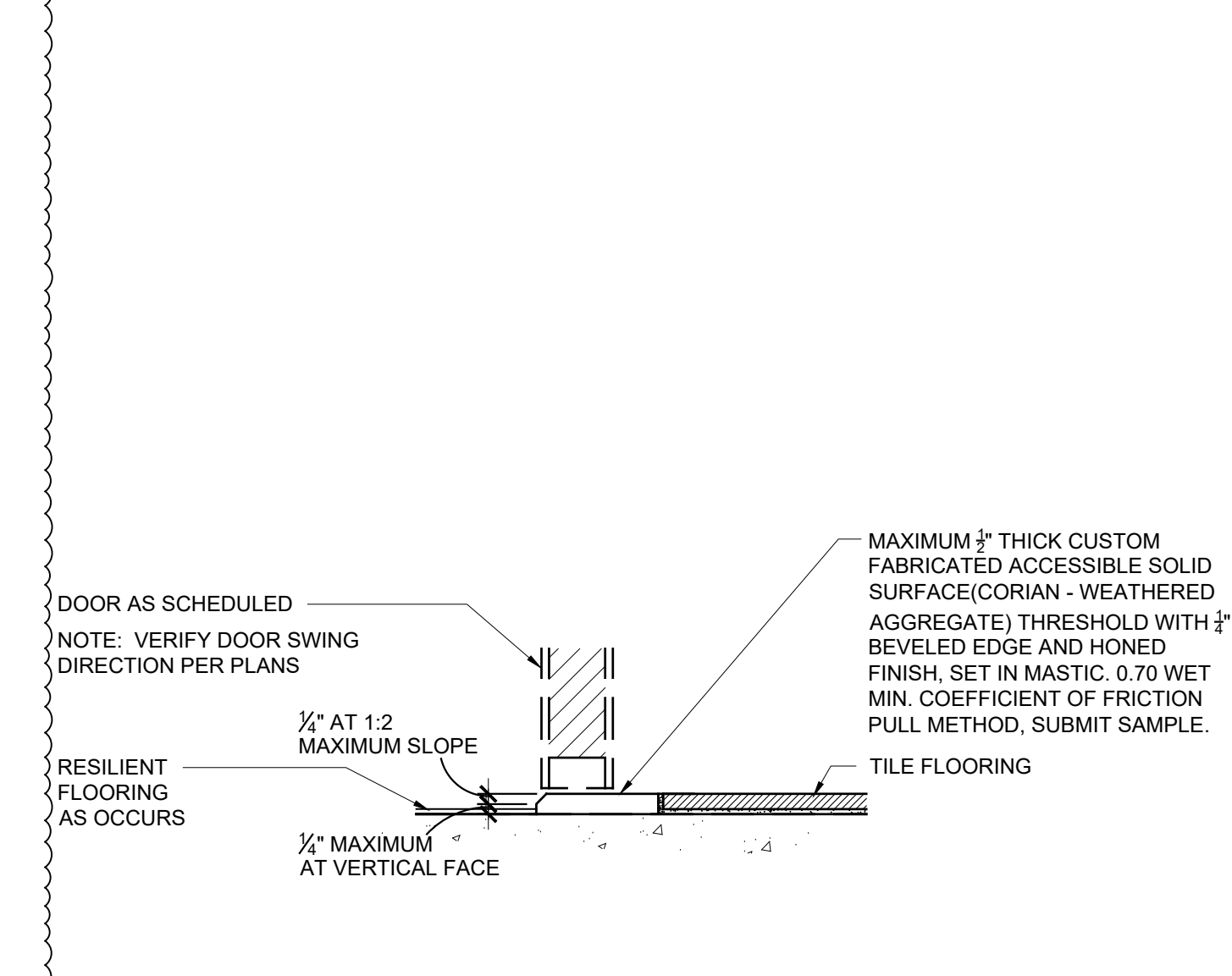
**12** (N) INTERIOR FINISH @ (E) EXTERIOR WALL  
SCALE: 3" = 1'-0"



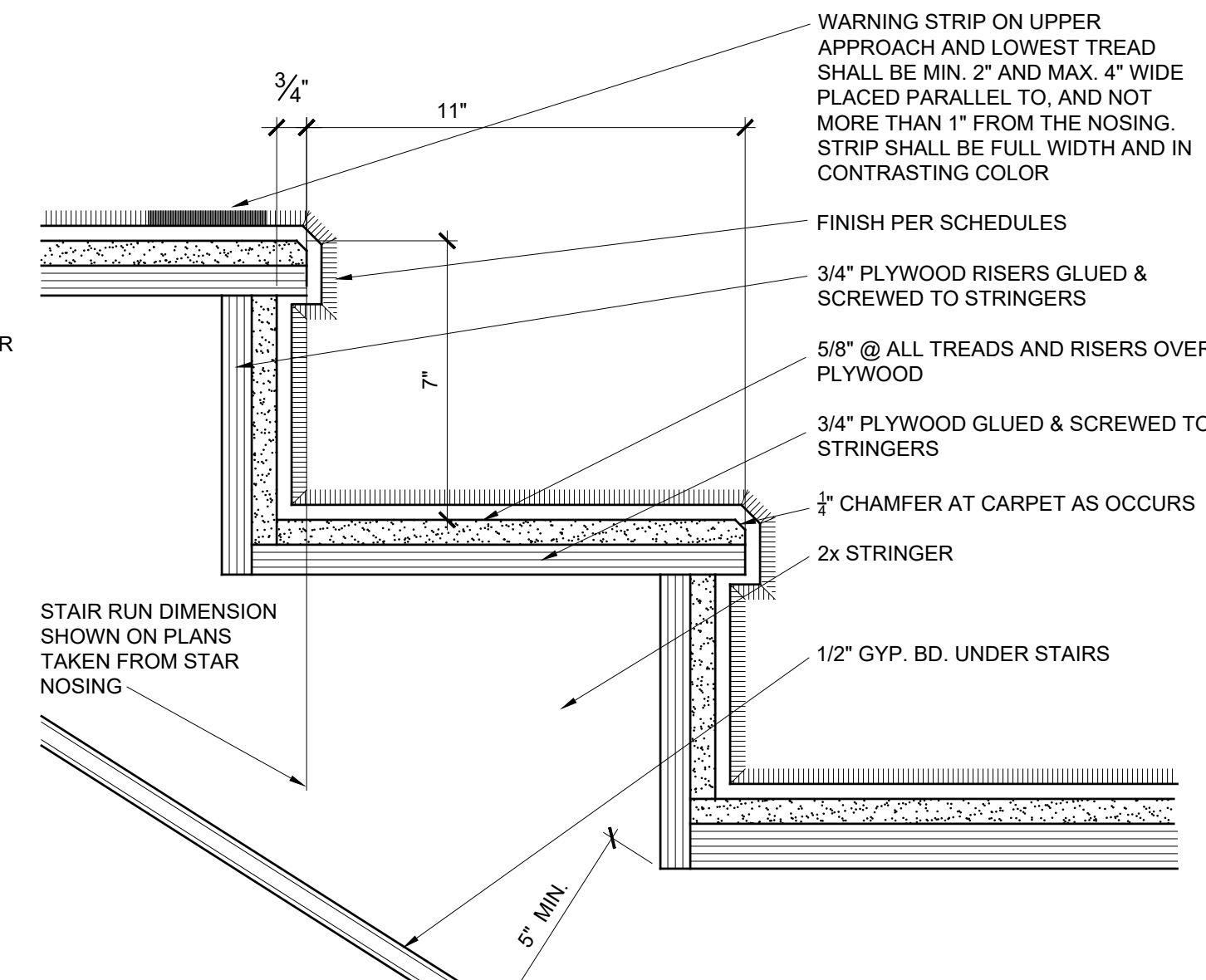
**5** (N) DOOR HEAD  
SCALE: 3" = 1'-0"



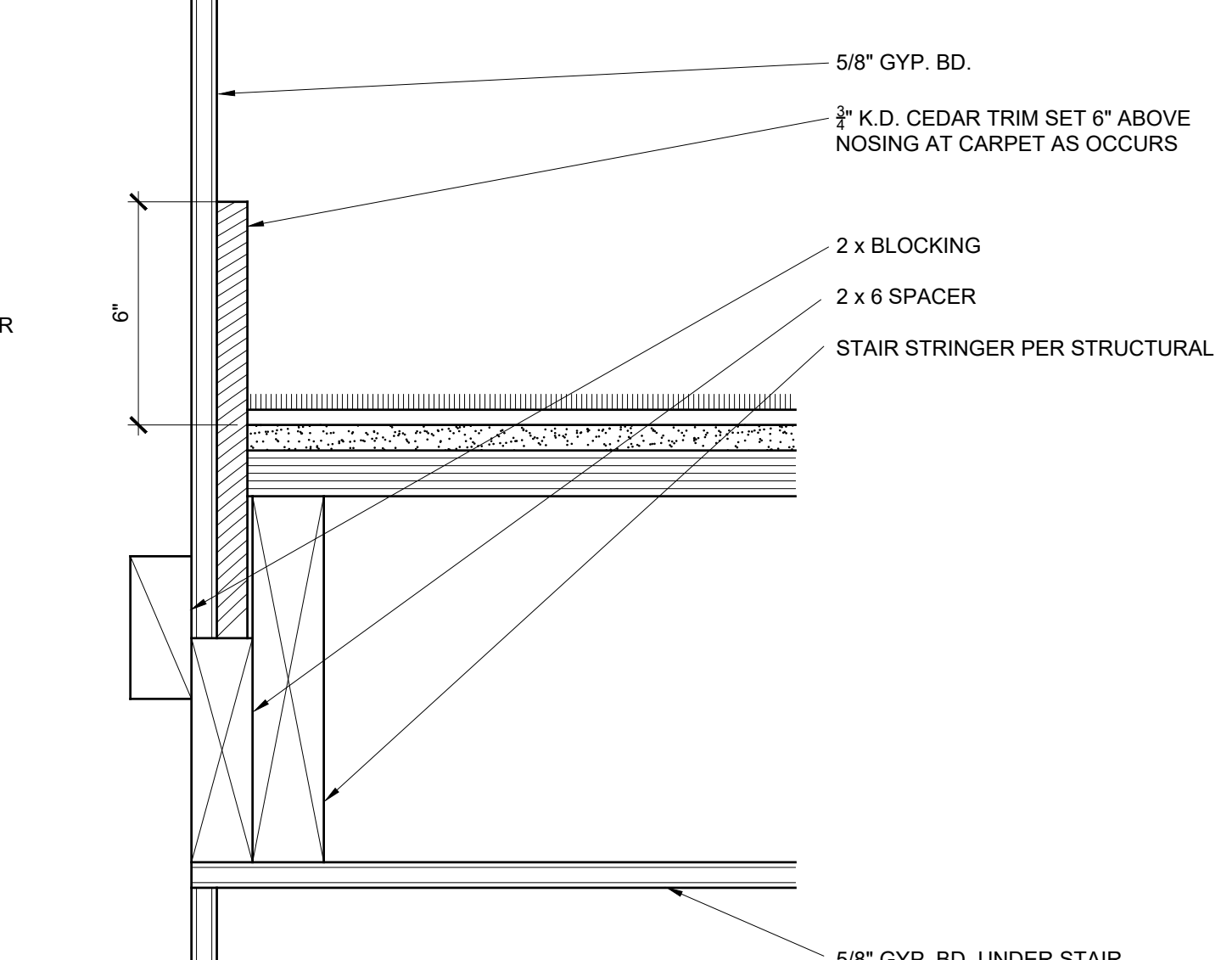
**6** (N) DOOR JAMB  
SCALE: 3" = 1'-0"



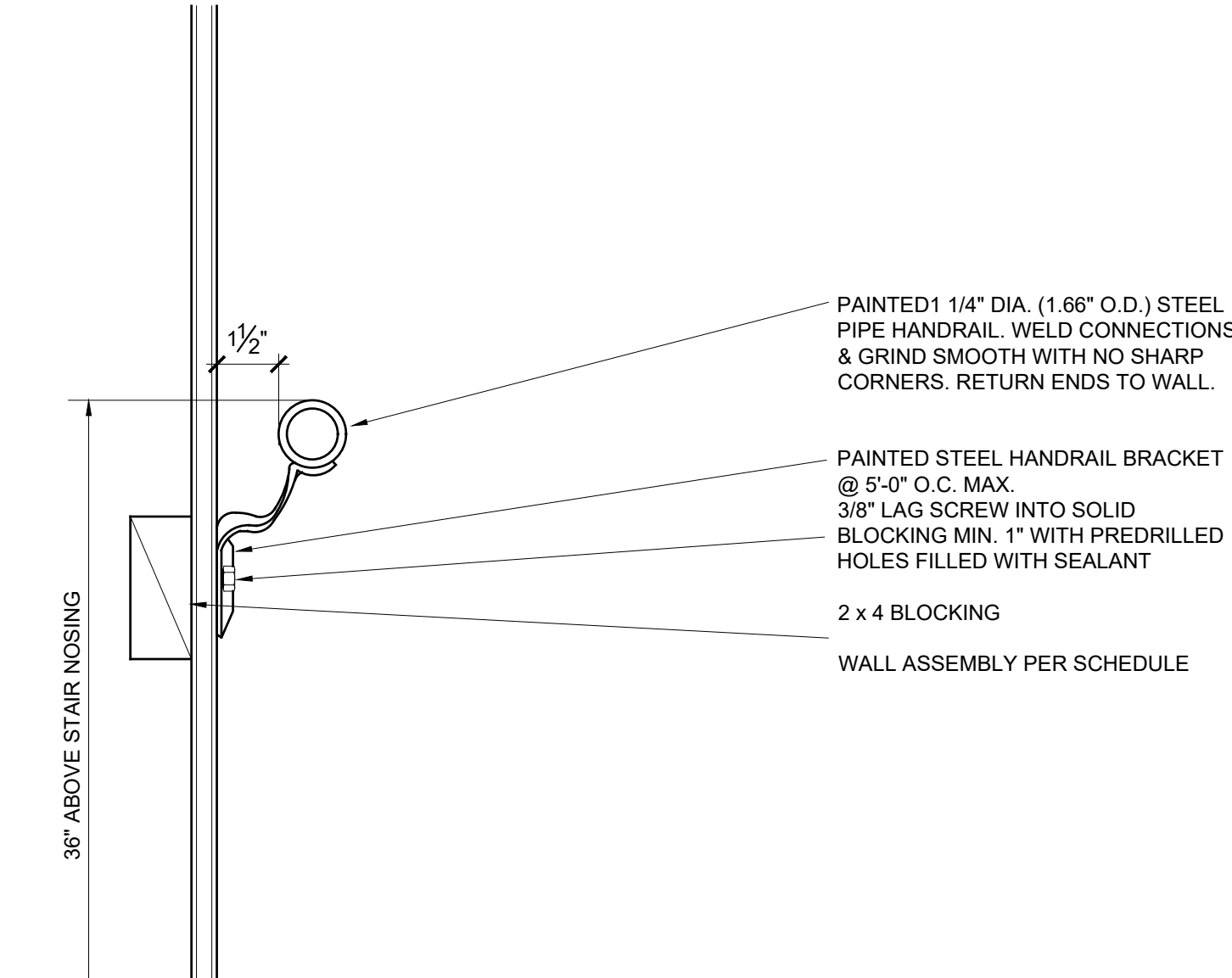
**7** (N) FLOORING @ (N) DOOR SILL  
SCALE: 3" = 1'-0"



**1** (N) STAIR TREAD AND RISER  
SCALE: 3" = 1'-0"



**2** (N) STAIRS AT WALL  
SCALE: 3" = 1'-0"



**3** (N) STAIR HANDRAIL AT WALL  
SCALE: 3" = 1'-0"

**8** NOT USED  
SCALE: 3" = 1'-0"

**4** NOT USED  
SCALE: 3" = 1'-0"

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REGISTERED 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. - 413-002-0016 & 51000

JOB NO.  
**22084**

PRINT DATE:  
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PLOT DATE:  
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DD

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SET ISSUED:

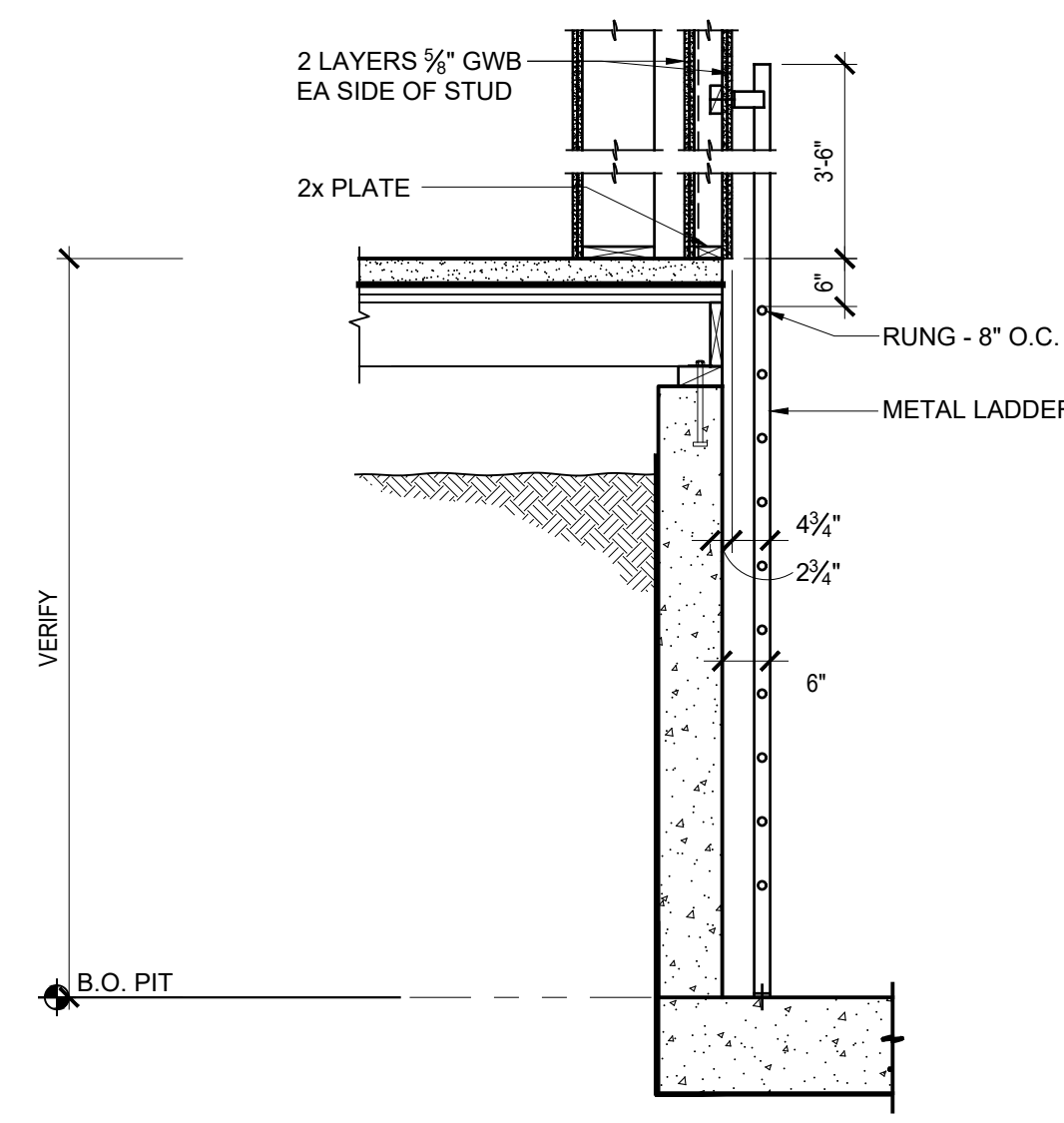
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BID SET: 10/1/23

SHEET NAME:  
**INTERIOR  
DETAILS**

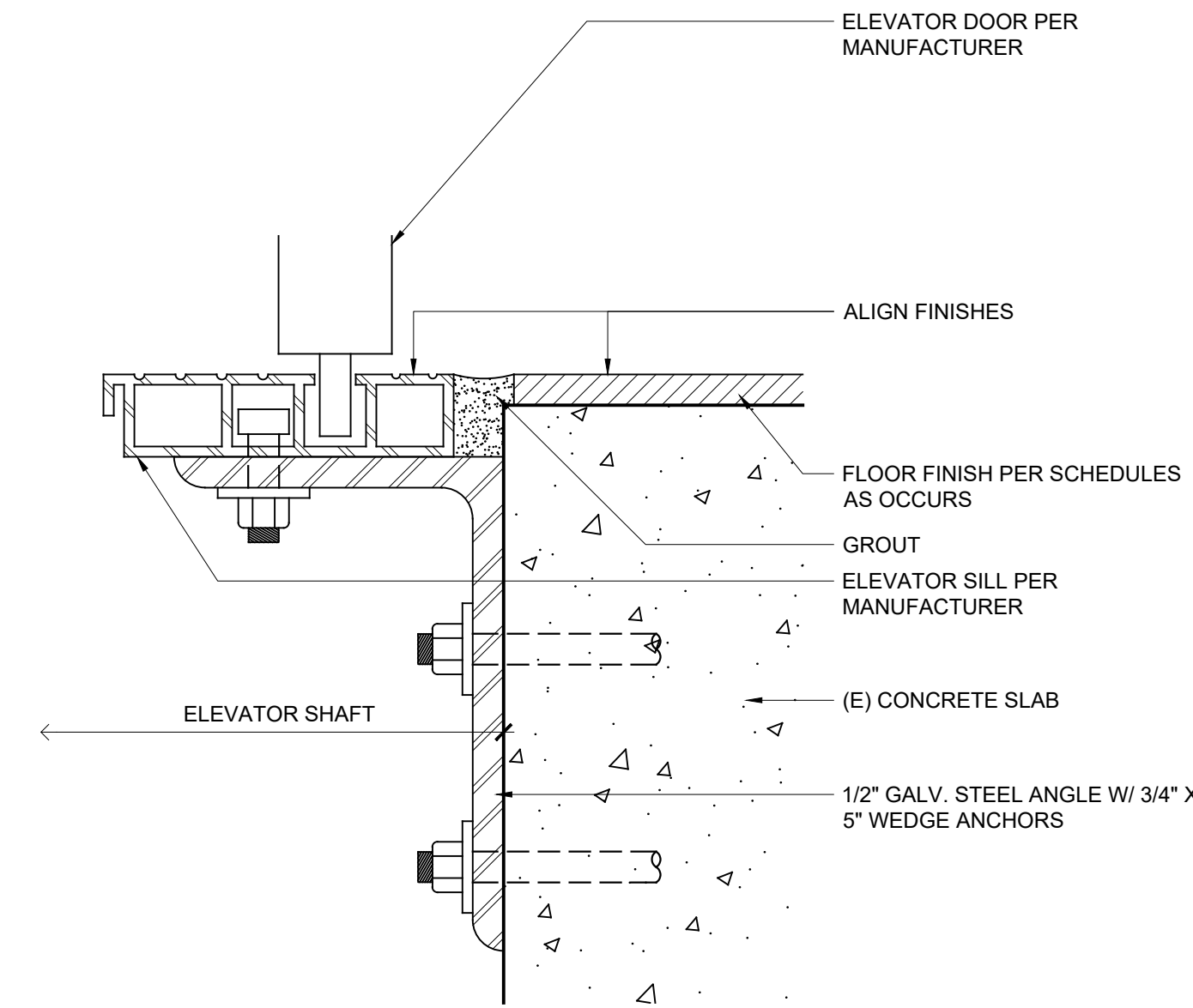
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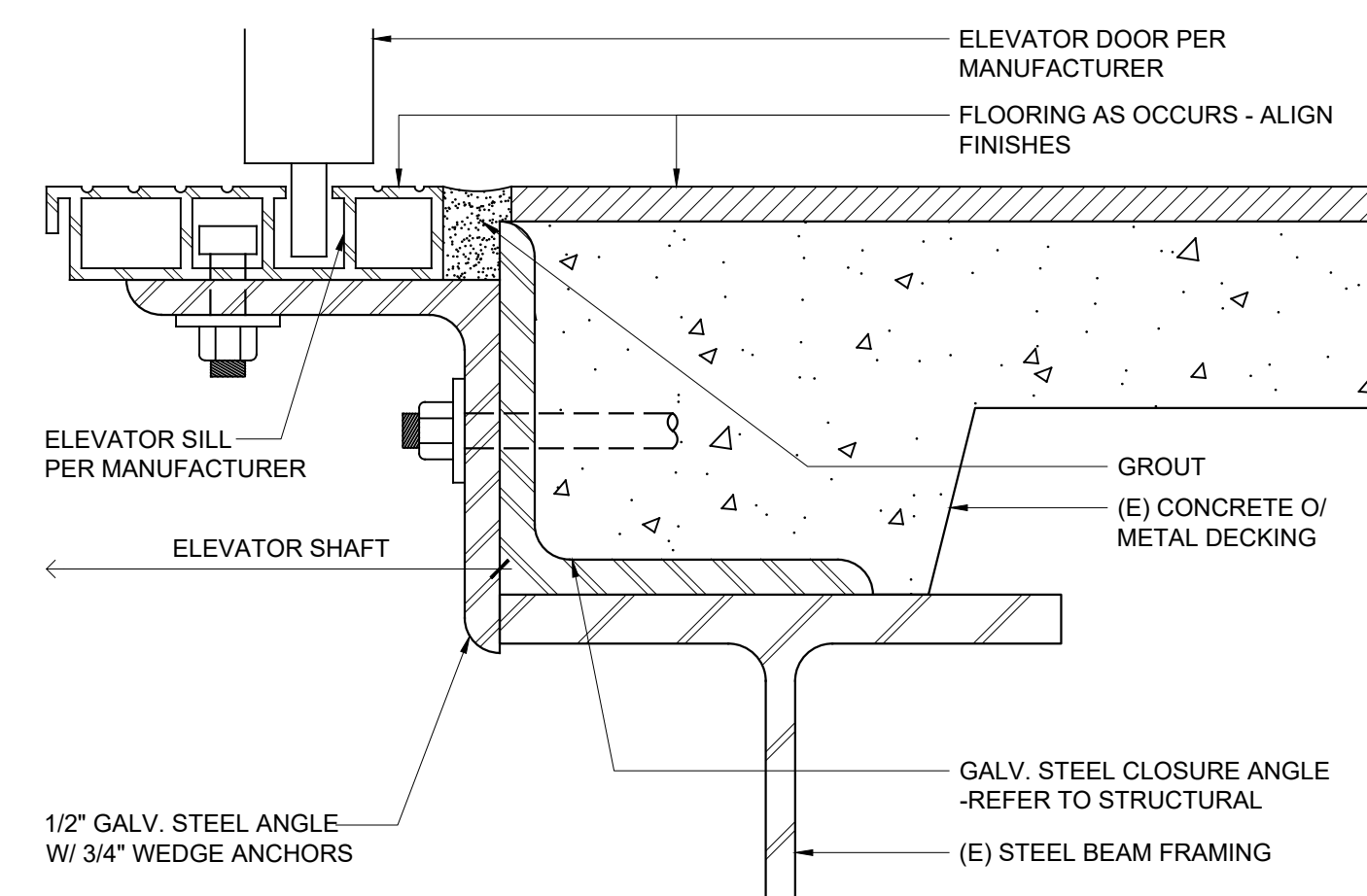
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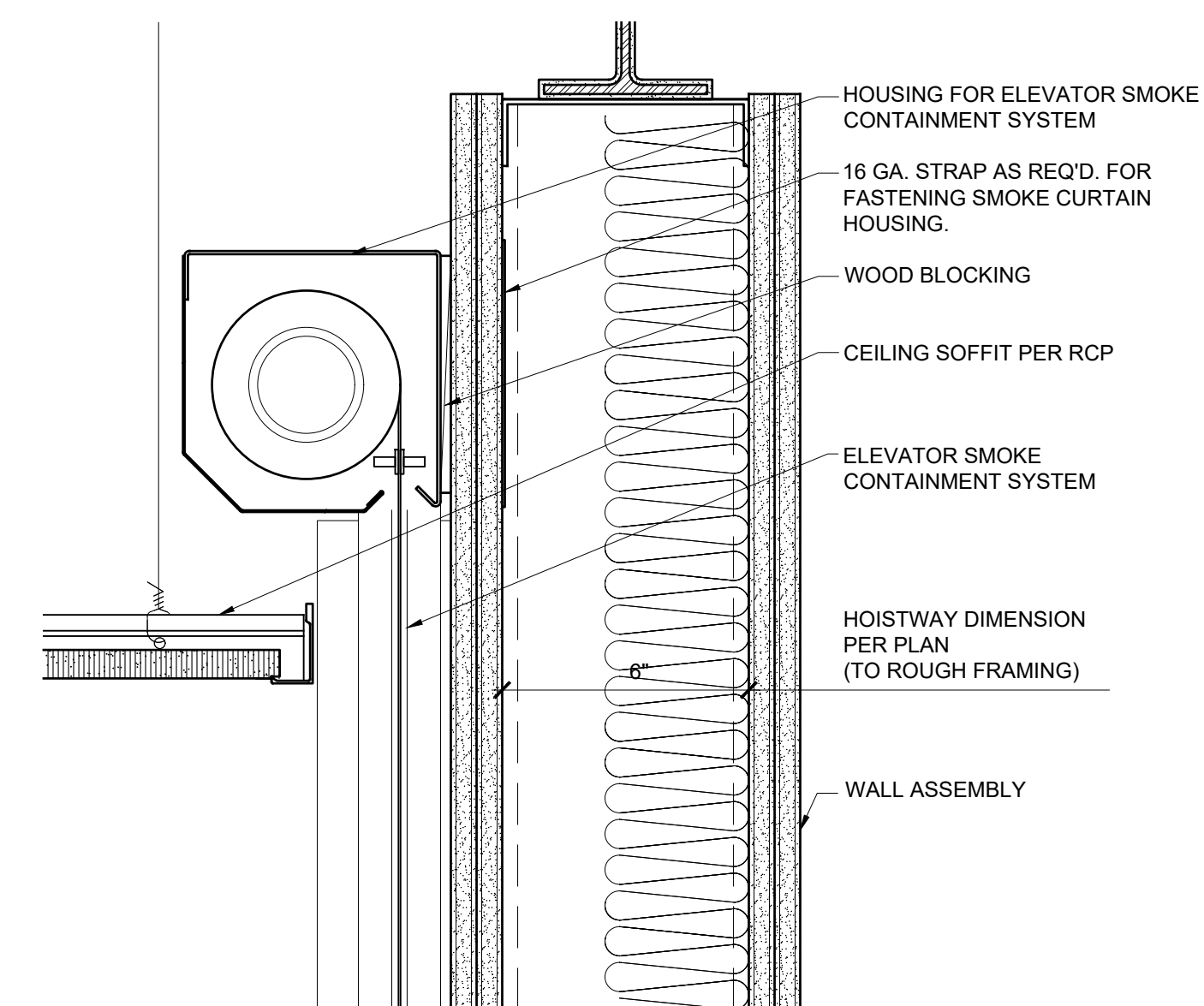
**4 (N) ELEVATOR PIT LADDER**  
SCALE: 1/2" = 1'-0"



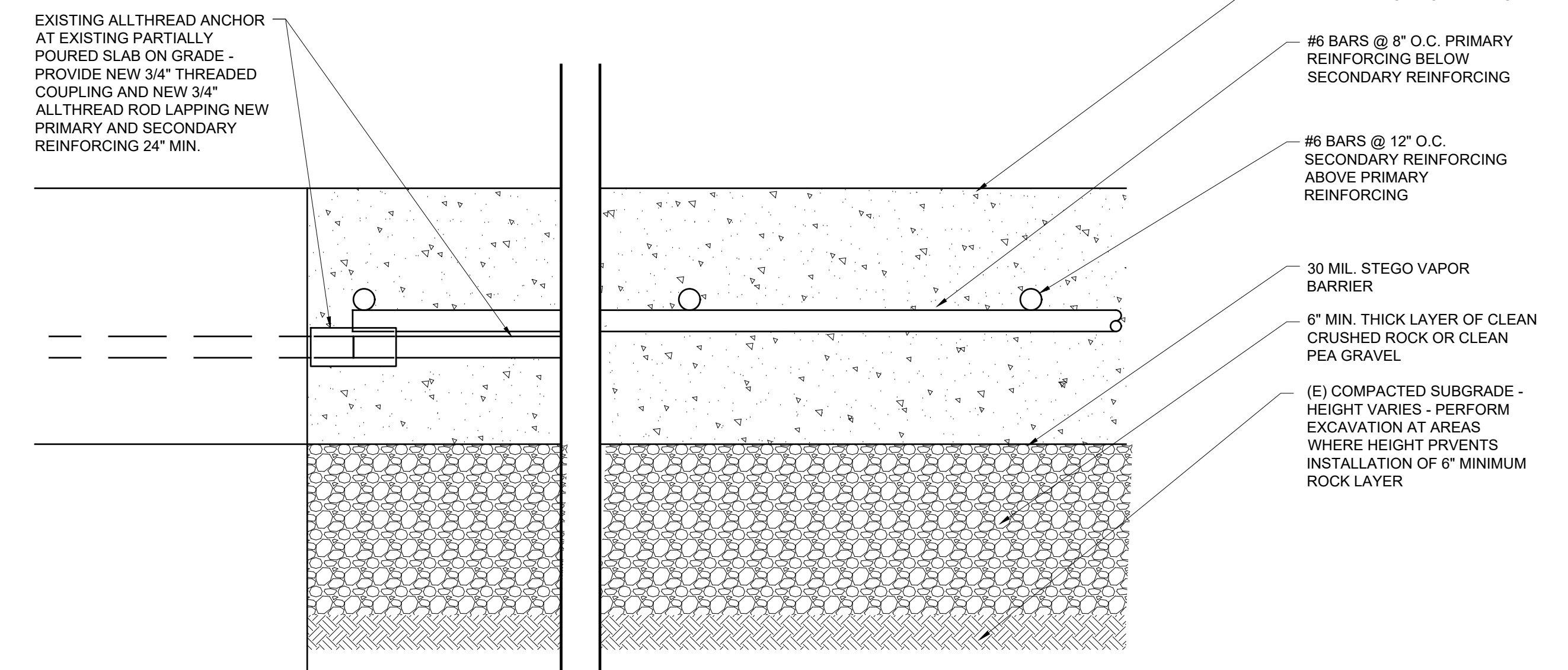
**5 (N) ELEV. SILL @ 1ST FLR.**  
SCALE: 6" = 1'-0"



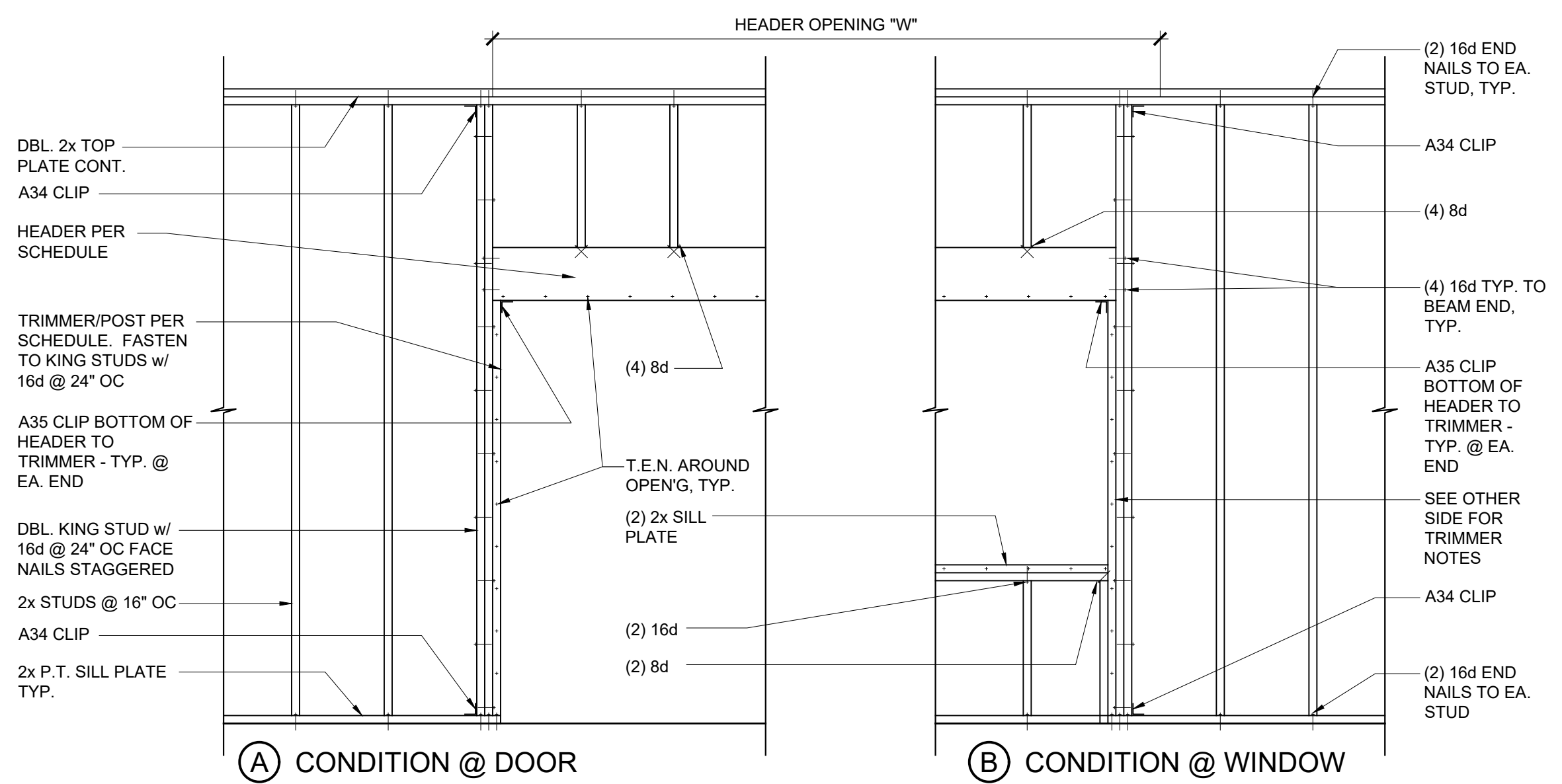
**6 (N) ELEV. SILL AT 2ND FLR.**  
SCALE: 6" = 1'-0"



**7 (N) ELEV. OPG. SMOKE CURTAIN @ EA. FLR.**  
SCALE: 3" = 1'-0"

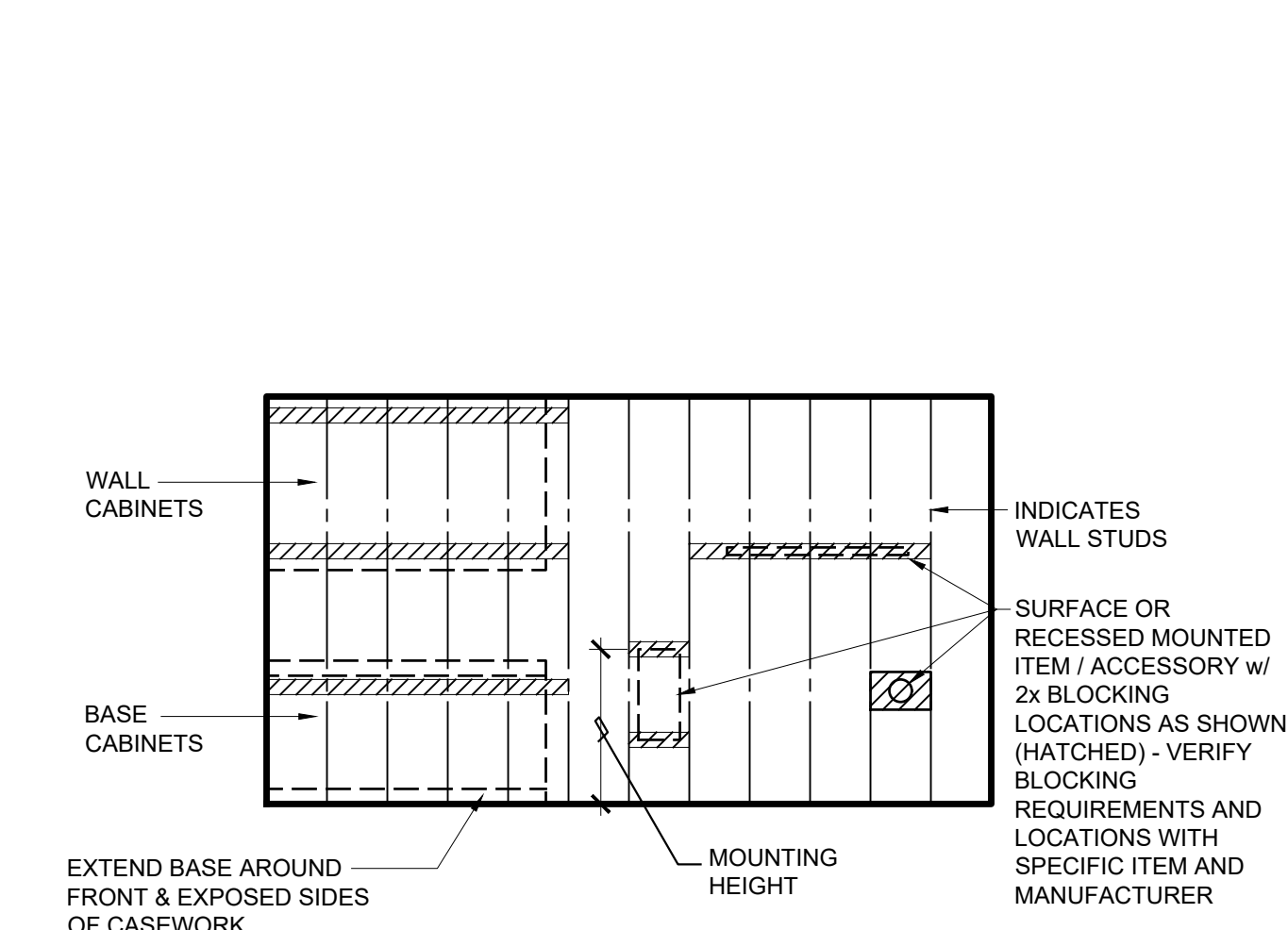


**1 (N) CONC. SLAB ON GRADE**  
SCALE: 3" = 1'-0"



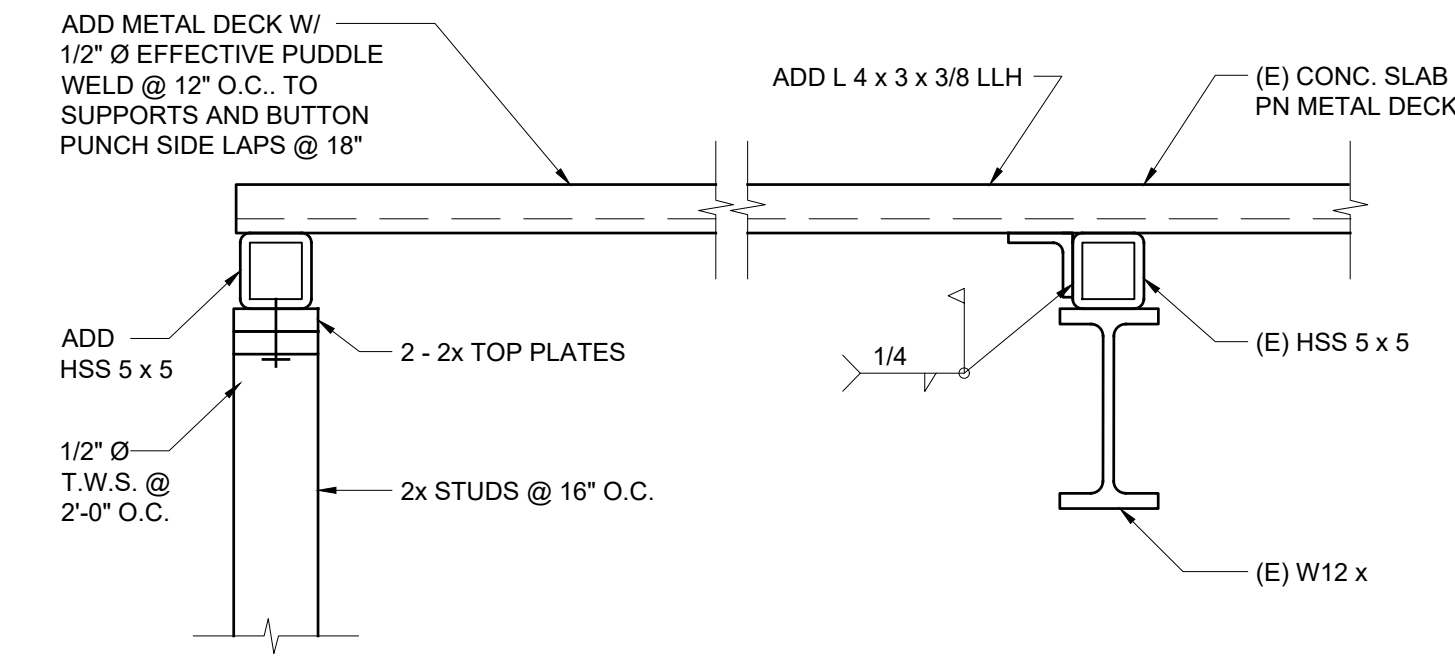
WALL OPENINGS			
HEADER OPENING "W" LENGTH	TRIMMERS / POST	A34 CLIPS @ KING STUD ENDS	HEADER SIZE
8'-0" & OVER	4x POST TRIMMER & SIMPSON ECCO COLUMN CAP	CLIPS REQUIRED AS SHOWN	SEE PLAN AND/OR REFER TO STRUCTURAL
6'-0" UP TO 8'-0"	DBL 2x OR 4x POST, TRIMMER & SIMPSON ACE POST CAPS	CLIPS REQUIRED AS SHOWN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

**2 INTERIOR WALL FRAMING SCHEDULE**  
SCALE: 1/2" = 1'-0"

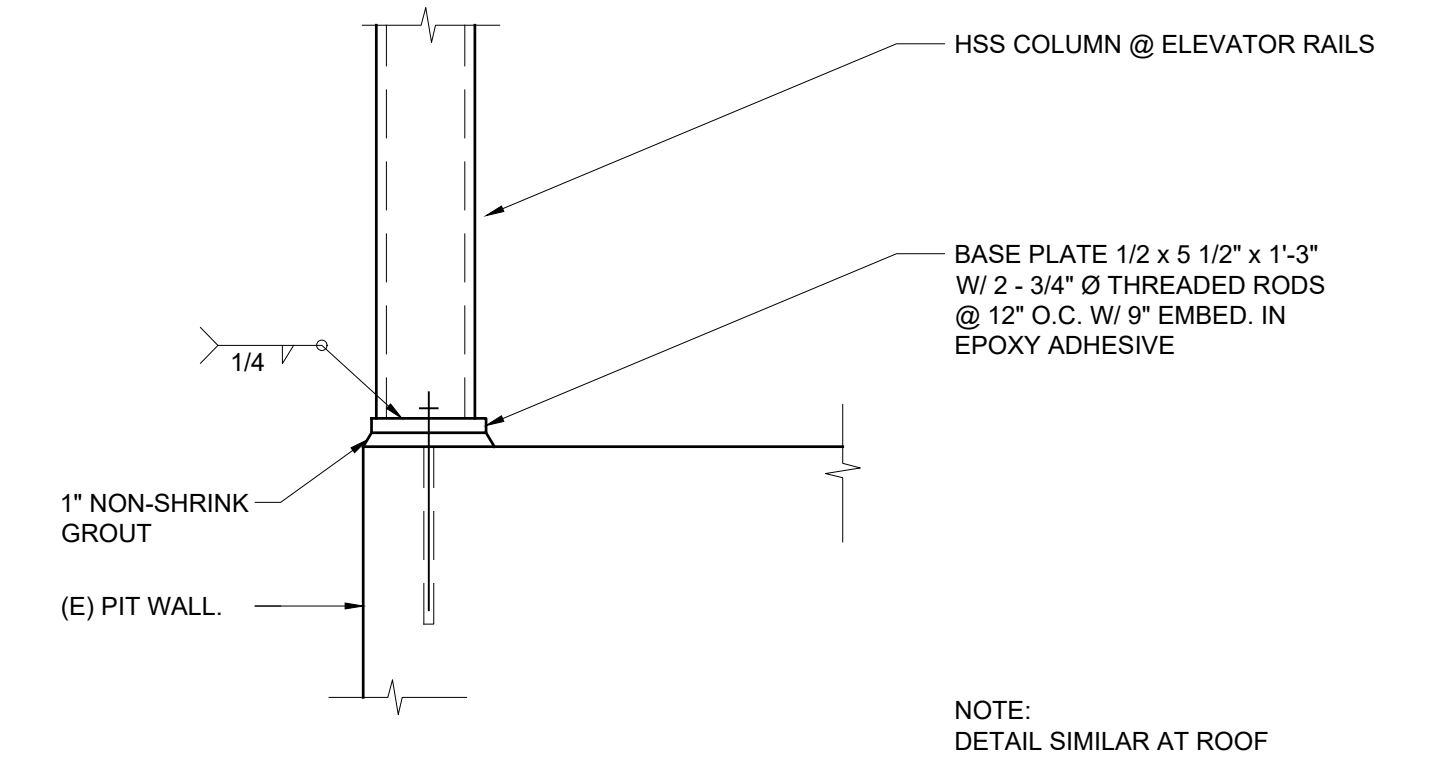


NOTE:  
INSTALL BLOCKING BEHIND ALL POINTS OF ANCHORAGE OF WALL-MTD ITEMS / ACCESSORIES. BEFORE INSTALLATION VERIFY w/ MANUFACTURER OR SUPPLIER OF WALL ACCESSORY REQUIRED LOCATION OF BACKING & MOUNTING HEIGHTS.

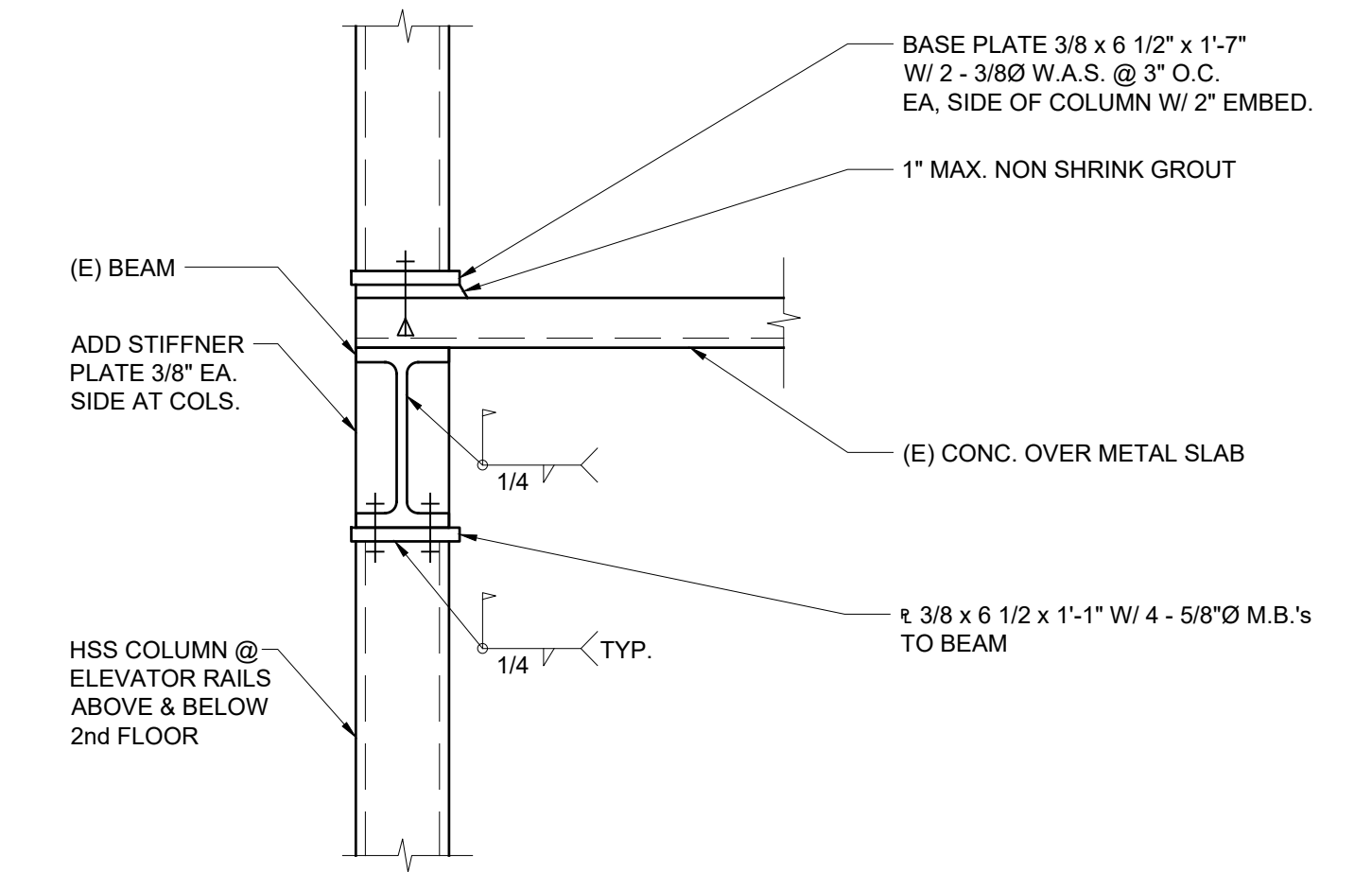
**3 TYP. BLOCKING HT.**  
SCALE: NO SCALE



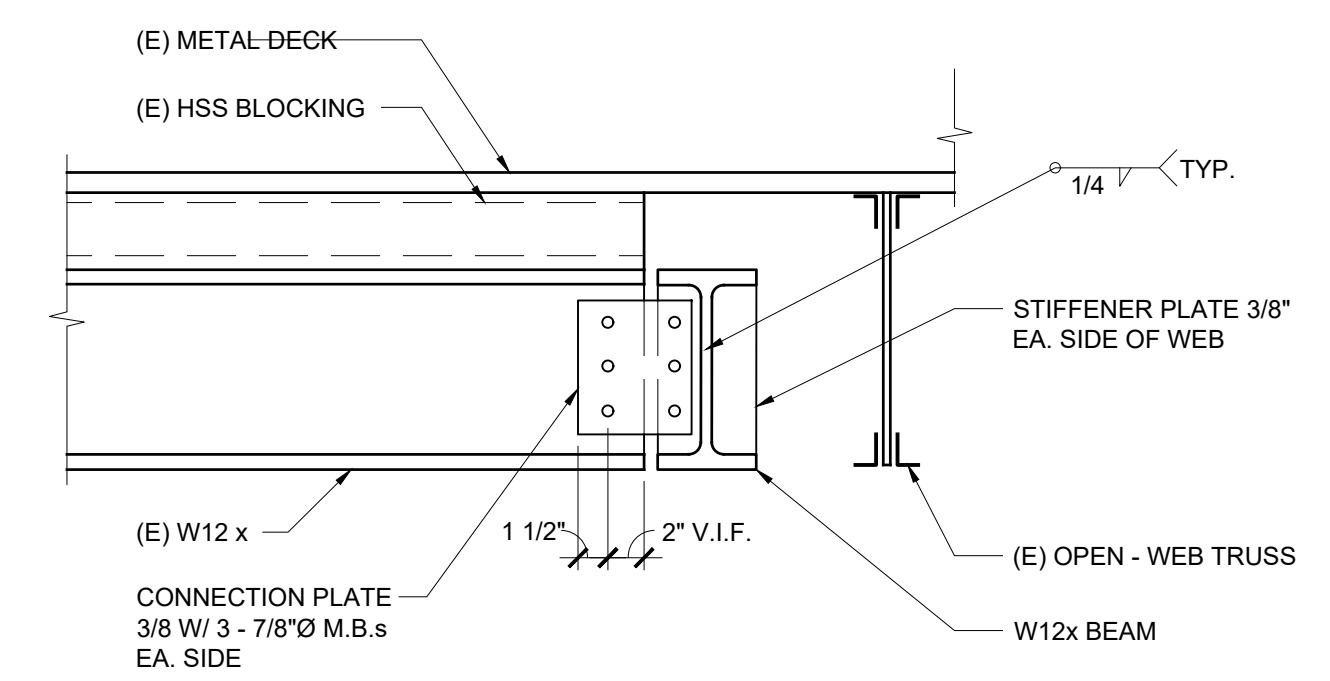
**5** DETAIL  
SCALE: NOT TO SCALE



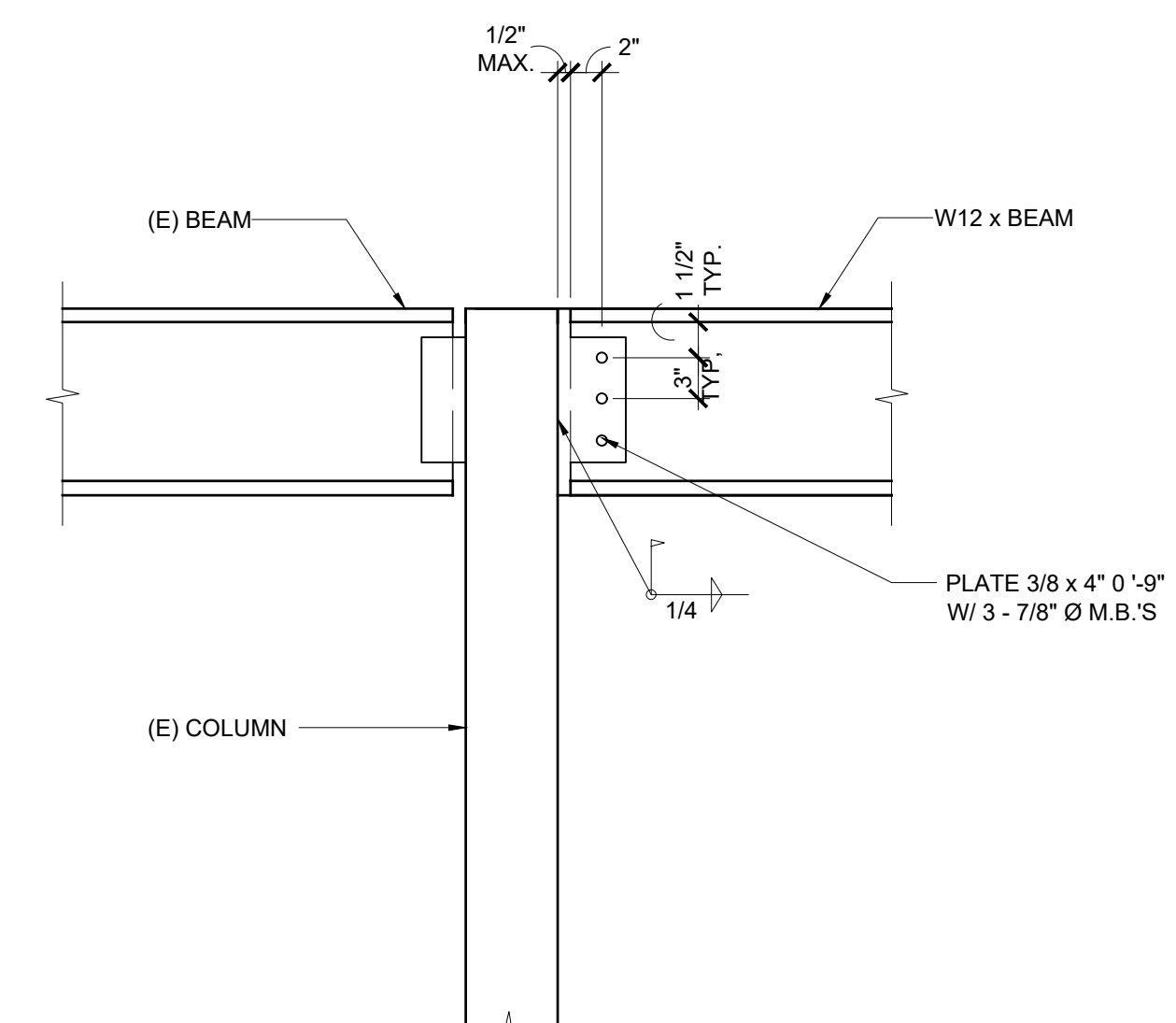
**1** COLUMN AT  
ELEVATOR PIT WALL  
SCALE: NOT TO SCALE



**2** COLUMN AT  
ELEVATOR RAILS  
SCALE: NOT TO SCALE



**3** DETAIL  
SCALE: NOT TO SCALE



**4** DETAIL  
SCALE: NOT TO SCALE



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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. - 413-002-001G & 51000

JOB NO.  
**22084**

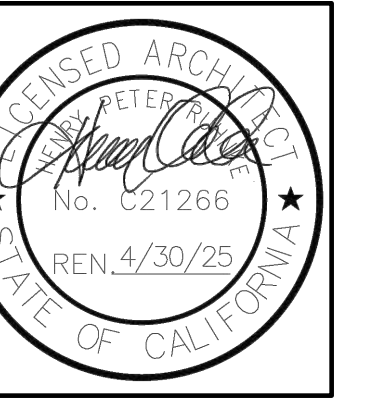
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CHECKED BY: -  
SET ISSUED:

PLAN CHECK SUBMITTAL: 12/16/22  
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SHEET NAME:  
**INTERIOR  
DETAILS**

SHEET NO.:

**A904**  
FILE NAME: 22084-A904



**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**  
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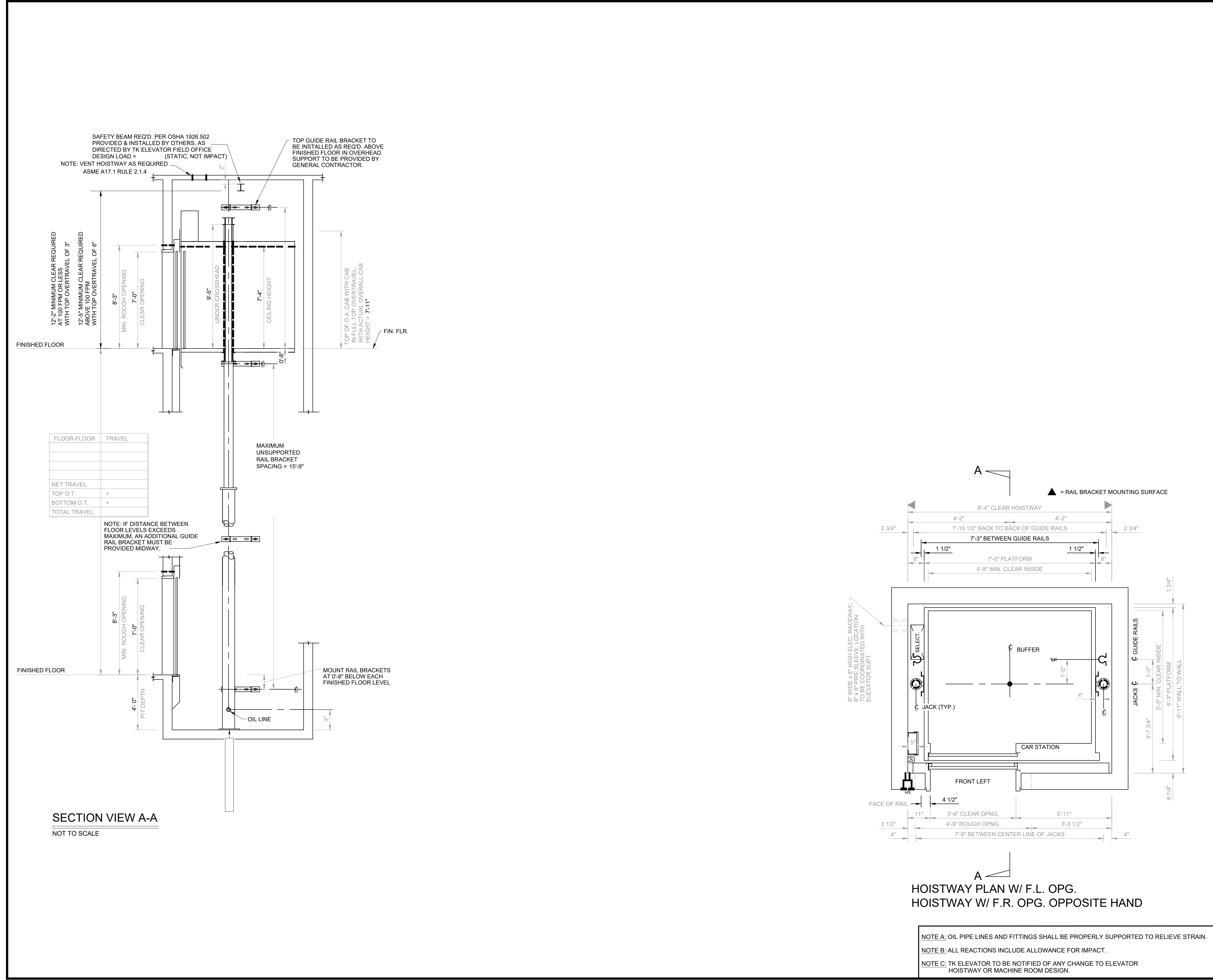
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**ELEVATOR  
DETAILS**  
SHEET NO.:

**A905**  
FILE NAME: 22084-A905

**HYDRAULIC ELEVATOR CONTRACT DATA**

TYPE: #6080	CAPACITY: 3500
SPEED: FPM UP MAX 150 FPM DOWN MAX.	
OPERATION:	
DOOR TYPE: ONE SPEED	
PLATFORM THK: 3/32	
BOTTOM CAR RUNBY: 6"	
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:
1. A PLUMB, PROPERLY VENTILATED HOISTWAY (ACCORDING TO CODE AND SIZES SHOWN).
  2. ADEQUATE SUPPORT FOR JACK, GUIDE RAIL BRACKETS, AND BUFFERS (FOR REACTIONS SHOWN).
  3. HOISTWAY BARRICADES AND ALL CUTTING AND PATCHING TO INSTALL HOISTWAY ENTRANCES, SILLS, HALL FIXTURES, OIL AND ELECTRIC LINES.
  4. 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.
  5. 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 ALARM 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.
  6. BRANCH-CIRCUIT CONDUCTOR SIZING, MATERIALS, AND INSULATION (INCLUDING BRANCH-CIRCUIT OVERCURRENT PROTECTIVE DEVICES) TO COMPLY WITH ALL LOCAL ELECTRICAL CODES (SEE "ELECTRICAL POWER REQUIREMENTS").  
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.
  7. AN ENCLOSED MACHINE AREA (ACCORDING TO CODE), WITH ADEQUATE LIGHT, HEAT, AND VENTILATION (MIN. 50°F., MAX. 90°F. WITH NON-CONDENSING HUMIDITY OF 10-40%), AND SEALED CONCRETE FLOOR SLAB SURFACE.  
NOTE: MUST PROVIDE ADEQUATE DOOR SIZE TO ALLOW INSTALLATION OF EQUIPMENT, OR LEAVE WALL OUT UNTIL EQUIPMENT IS IN PLACE.
  8. ENTRANCE WALL WITH UNTELS MUST BE PROVIDED AFTER ENTRANCE FRAMES ARE SET OR LEAVE A ROUGH OPENING: 15" WIDE AND 11" HIGHER THAN THE FRAME. OPENING SEE INSTALLATION PROCEDURES FOR FRAME-TO-WALL INTERFACE DETAILS TO ENSURE CONFORMANCE WITH THE LABELED ENTRANCE INTERFACE CONSTRUCTION.
  9. POCKETS IN CORRIDOR WALL (PER FIXTURE DRAWINGS) FOR HALL FIXTURES.  
NOTE: MUST BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR.
  10. SMOKE SENSORS (AS REQUIRED).
  11. CONDUIT AND WIRING FROM HOISTWAY TO ELEVATOR MONITORING PANELS (FOR SECURITY, LIFE, SAFETY, OR FIRE REQUIREMENTS).
  12. PIPE SLEEVES, TRENCHING, AND BACK FILLING FOR OIL AND/OR CONDUIT LINES AS SHOWN OR LOCATED BY ELEVATOR CONTRACTOR.



RAIL FORCES	F1	F2
OMEGA RAILS	567 LBS.	398 LBS.

DESIGNED PER ASME A17.1 CODE. DO NOT SCALE THIS DRAWING.  
FOR: ELEV #  
ADDRESS:  
CITY:  
ARCHITECT:  
GENERAL CONTRACTOR:  
ELEVATOR CONTRACTOR: TK Elevator

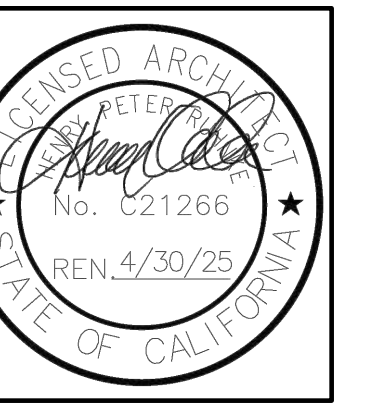
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<b>TKE</b>	
DRAWN	DATE
PRELIMINARY DRAWING 166880	
SHEET NO. 1 OF 1	

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endura Twin Post LH





2715 Porter Street  
Sausalito, California  
94965  
(831) 476-3681

**Donald C. URFER & Assoc. Inc.**  
Civil and Structural  
Engineers

STRUCTURAL CALCULATIONS  
for the  
**MOSS LANDING HARBOR DISTRICT  
NORTH HARBOR BUILDING WARM SHELL**  
2400 HIGHWAY ONE  
MOSS LANDING, CALIFORNIA

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Grid 3 Revised Floor Framing  
Elevator Support 1  
2-3

**Donald C. URFER & Assoc. Inc.**  
Civil and Structural  
Engineers

PROJECT: MOSS LANDING NORTH BLDG  
JOB NO: 22104 SHEET NO: 1  
CALCULATED BY: KW DATE: 5/23

**GRID 3 ADDED FLOOR BEAM**

$W = (46+100) \text{ psf} \times 2' + \text{BM WT} = 0.32 \text{ k/ft}$   
 $P = 146 \text{ psf} \times 5' \times 6' = 4.4 \text{ k}$   
 $M = 4' (4.1 + \frac{1}{2} \times 1.3) = 19.0 \text{ k}\cdot\text{ft} \rightarrow \text{weq. wt} = 0.776 \text{ k/ft}$   
 $S = \frac{19.0(12)}{0.6(50)} = 7.6 \text{ in}^3$   
 $I = \frac{0.776(5)(14)^4(12)^3}{384(29 \times 10^3)(\frac{14 \times 12}{360})} = 49.6 \text{ in}^4$

USE W12x35  
OR W10x20

**CHECK (E) COLUMNS** FLOR. COL. AT GRID 4.3 FROM ROOF  
(E) LOAD =  $146 \text{ psf}(17.5')(15') + 15 \text{ psf}(10')(23)(\frac{10}{25}) = 39.3 \text{ k}$   
ADDED LOAD = 5.4 k  
 $\Sigma = 44.7 \text{ k}$   
 $h_c = 10'$   
HSS 5x5x5/16 CAPACITY = 116 k > LOAD = 44.7 k OK.  
(E) COL. O.K.

**GRADE BEAM / PIERS**  
NO CHANGE TO OVERALL LOAD  
(E) GRADE BEAM AND PIERS O.K.

**Donald C. URFER & Assoc. Inc.**  
Civil and Structural  
Engineers

PROJECT: MOSS LANDING NORTH BLDG  
JOB NO: 22104 SHEET NO: 2  
CALCULATED BY: KW DATE: 5/23

**ELEVATOR SUPPORTS**

RAIL FORCES:

NORMAL  $\frac{F_1}{507} = \frac{F_2}{377}$   
SEISMIC  $\frac{F_1}{1534} = \frac{F_2}{767}$  PER ELEVATOR DRAWINGS

**GUIDERAIL SUPPORT COLUMNS**

NORMAL:  $\Delta_{max} = \frac{1}{8}"$   
 $I_{reqd} = \frac{507(14)^3(12)^3}{48(29 \times 10^3)(\frac{1}{8})} = 15.5 \text{ in}^4$   
SEISMIC:  $\Delta_{max} = \frac{1}{4}"$   
 $M = \frac{1534(14)}{0.6(46)} = 5.4 \text{ k}\cdot\text{ft}$   
 $S = \frac{5.4(12)}{0.6(46)} = 2.4 \text{ in}^3$   
 $I = \frac{1534(14)^3(12)^3}{48(29 \times 10^3)(\frac{1}{4})} = 20.9 \text{ in}^4$  USE HSS 6x6x1/4

**HOLT BEAM**  
WT = 2370#  
 $P = 2(2370) \times LL = 5690\#$   
 $M = \frac{5690(10)}{4} = 14.2 \text{ k}\cdot\text{ft}$   
 $S = \frac{14.2(12)}{0.6(50)} = 5.7 \text{ in}^3$  USE W8x10 MIN.

**Donald C. URFER & Assoc. Inc.**  
Civil and Structural  
Engineers

PROJECT: MOSS LANDING NORTH BLDG  
JOB NO: 22104 SHEET NO: 3  
CALCULATED BY: KW DATE: 5/23

**ELEVATOR SUPPORT CONT.**

**CHECK (E) W12x16 FLOOR BEAM**  
 $P = 1534\#$   
 $M_y = \frac{1534(7)}{4} = 2685 \text{ lb}\cdot\text{ft}$   
 $F_{b_y} = \frac{2685(12)}{1.41} = 23.0 \text{ ksc} < 0.6 \times 50 \text{ ksc} \times 1.33 = 40 \text{ ksc} \checkmark \text{OK.}$  (E) FLOOR BEAM O.K.

**CHECK (E) W8x10 ROOF BEAM**  
 $P = 1534\#(\frac{9'}{14'}) = 986\#$   
 $M = \frac{986(7')}{4} = 1720 \text{ lb}\cdot\text{ft}$   
 $F_{b_y} = \frac{1720(12)}{1.37} = 15.1 \text{ ksc} \checkmark \text{OK.}$  (E) ROOF BEAM O.K.

GENERAL NOTES:

- 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. 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. WIRE SIZE 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.
5. 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.
6. 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 DRAWING SUBMITTAL.
7. COORDINATE EXACT GRILLE, DIFFUSER AND ACCESS DOOR LAYOUT WITH LIGHTS AND SPRINKLERS.
8. PROVIDE STEEL DUCTS ABOVE RATED CEILING AND MINIMUM 18" BEYOND RATED WALLS.
9. SUPPORT DUCTS TIGHT BELOW RATED STRUCTURE WHEREVER POSSIBLE.
10. PROVIDE ACOUSTICAL LINING IN ALL DUCTS WITHIN 15 FEET OF UNITS. PROVIDE FLEXIBLE CONNECTION ON INLET AND OUTLET DUCT CONNECTIONS TO EQUIPMENT.
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 METAL MANUAL AND DRAWING NOTES.
13. ALL TRANSITIONS IN DUCTWORK SHALL BE MADE AT 15 DEGREES MAXIMUM EACH FACE UNLESS OTHERWISE NOTED OR SPECIFICALLY APPROVED.
14. ALL DUCTWORK IS CONCEALED UNLESS OTHERWISE NOTED.
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 LITER.
17. ALL DUCTS, REGISTERS, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.
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 ASSOCIATION.
19. ADHESIVES, SEALANTS AND CAULKS USED INDOORS SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND LIMITS PER TITLE 24, PART 11, SECTION 5.504.
- METAL TO METAL < 30 GRAMS PER LITER
- FIBERGLASS < 80 GRAMS PER LITER
- CONTACT ADHESIVE < 80 GRAMS PER LITER
- MASTICS < 100 GRAMS PER LITER
- ZINC-RICH PRIMERS < 340 GRAMS PER LITER
- FIRE RESISTANT COATINGS < 350 GRAMS PER LITER
20. HVAC EQUIPMENT SHALL NOT CONTAIN CFC'S OR HALONS PER TITLE 24, PART 11, SECTION 5.508.
21. 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 CONTAMINATION WITH DUST AND DEBRIS.

LIST OF GOVERNING CODES:

- 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, C.C.R.
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R.
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

HVAC DUCT LEGEND table with columns: SINGLE LINE SYMBOL, DOUBLE LINE SYMBOL, DESCRIPTION, SINGLE LINE SYMBOL, DOUBLE LINE SYMBOL, DESCRIPTION. Includes entries 1-34 for various duct types, elbows, tees, and transitions.

HVAC LEGEND table with columns: SYMBOL, ABBRV., IDENTIFICATION, ABBRV., IDENTIFICATION. Includes entries for AIR DUCT, FLEXIBLE AIR DUCT, UNDER GROUND AIR DUCT, BALANCING DAMPER, AIR FROM DEVICE, AIR TO DEVICE, SECTION THROUGH SUPPLY, SECTION THROUGH RETURN, SECTION THROUGH EXHAUST, THERMOSTAT, TEMPERATURE SENSOR, SPIN-IN EXTRACTOR/DAMPER, HEATING WATER SUPPLY, HEATING WATER RETURN, COOLING WATER SUPPLY, COOLING WATER RETURN, CHILLED WATER SUPPLY, CHILLED WATER RETURN, VERTICAL FIRE DAMPER, HORIZONTAL FIRE DAMPER, VERTICAL FIRE/SMOKE DAMPER, HORIZONTAL FIRE/SMOKE DAMPER, BYPASS TIMER, SWITCH, CENTERLINE, POINT OF CONNECTION, AND, AT, DEGREES FAHRENHEIT, AIR CONDITIONER, AIR CHANGES PER HOUR, ABOVE FINISH FLOOR, ANNUAL FUEL UTILIZATION EFFICIENCY, AGGREGATE, ACOUSTICALLY LINED, AMBIENT, AMPERE, APPROXIMATE, ARCHITECT/ARCHITECTURAL, BACKDRAFT DAMPER, BRAKE HORSEPOWER, BETWEEN JOISTS, BUILDING, BRITISH THERMAL UNITS PER HOUR, COMBUSTION AIR, CUBIC FEET PER MINUTE, CIRCULATING, CEILING, CONCRETE, CONNECTION, CONTINUED, CONTINUATION, COOLING, COORDINATE, COEFFICIENT OF PERFORMANCE, CONSTRUCTION, COEFFICIENT OF FLOW, DRY BULB, DOOR GRILLE, DOOR LOUVER, DOWN, DRAWINGS, EXISTING, EXHAUST AIR, ENTERING AIR TEMPERATURE, ELECTRICAL CONTRACTOR, ENERGY EFFICIENCY RATIO, EXHAUST FAN, ELECTRICAL, ELEVATION, EMBEDMENT, ENTERING, EQUIPMENT, EXTERNAL STATIC PRESSURE, ENTERING WET BULB, ENTERING WATER TEMPERATURE, EXPANSION, EXTERIOR, FINISHED FLOOR ELEVATION, FULL LOAD AMPS, FLEXIBLE, FLOOR, FEET PER MINUTE.

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SET FOR WHICH THEY WERE PREPARED AND PUBLISHED. THERE IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SET FOR WHICH THEY WERE PREPARED AND PUBLISHED. THERE IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SET FOR WHICH THEY WERE PREPARED AND PUBLISHED. THERE IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED.



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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
P.A.N. NO.: 413-002-0008 & 51-000

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
BID SET: 10/1/23

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

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 22 Lower Ragsdale Dr., Suite A  
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 PH: (831) 649-8000  
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 DRAWING: 22-0020482 North Harbor Shell - Mechanical  
 DATE: 07/19/2023



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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  
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 BID SET: 10/11/23

SHEET NAME:  
**SCHEDULES -  
 MECHANICAL**

SHEET NO.:

**M002**

FILE NAME: HVA-M002

GAS FIRED EQUIPMENT														
MARK	HEAT MBH		CFM			FAN RPM	MOTOR				WT LBS	AFUE	MAKE & MODEL	REMARKS
	IN	OUT	TOTAL	ESP	OA		HP	V/PH	MCA	MOC/P				
<b>F-1</b>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 595C2D080E21-20	① ②
<b>F-2</b>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 595C2D080E21-20	① ②
<b>F-3</b>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 595C2D080E21-20	① ②
<b>F-4</b>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 595C2D080E21-20	① ②
<b>F-5</b>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 595C2D080E21-20	① ②
<b>F-6</b>	80	75	1600	0.75"	260	HIGH	3/4	115/1	9.6	15.0	150	93	CARRIER 595C2D080E21-20	① ②

- ① INSTALLED PER 9/M601
- ② PROVIDE DUCT MOUNTED SMOKE DETECTOR WIRED TO SHUT DOWN SUPPLY FAN UPON SENSING SMOKE PER CMC 508.

SPLIT SYSTEM AIR CONDITIONERS															
MARK	COOL MBH		CFM	ESP	HP	V/PH	UNIT FLA	MCA	MOC/P	WT LBS	EER SEER	LINE SIZE		MAKE & MODEL	REMARKS
	TC	SC										GAS	LIQ		
<b>CU-1</b>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AH448A005	① ②
<b>EV-1</b>			1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<b>CU-2</b>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AH448A005	②
<b>EV-2</b>			1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<b>CU-3</b>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AH448A005	① ②
<b>EV-3</b>			1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<b>CU-4</b>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AH448A005	②
<b>EV-4</b>			1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<b>CU-5</b>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AH448A005	① ②
<b>EV-5</b>			1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	
<b>CU-6</b>	45.6	35.6	2615	-	1/4	230/3	13.7	18.3	30.0	213.0	12.0 14.0	-	-	CARRIER 24AH448A005	②
<b>EV-6</b>			1600	0.75"	-	-	-	-	-	84.0	-	7/8"	3/8"	CARRIER CAPMP4821ALA	

- ① FURNISH WITH STACKING KIT S3DS-900-076, SEE DETAIL 10/M601
- ② PROVIDE INSTU ES2 COATING BY GORILLA COATINGS ON COIL, FAN, AND CASING.

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

- ① PROVIDE WITH FACTORY EPOXY POWDER COATING
- ② PROVIDE MANUFACTURER'S SLOPED ROOF CURB TO MATCH (E) ROOF SLOPE. SEE 11/M601 FOR MOUNTING.
- ③ PROVIDE MANUFACTURER'S WALL COLLAR, AND WEATHER HOOD. SEE 12/M601 FOR FAN 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 SIZE		MAKE & MODEL	REMARKS
								GAS	LIQ		
<b>FC-1</b>	12.0	-	360.0	115/1	-	19.0	13.0	1/2"	1/4"	CARRIER 40MAQ812R-1	
<b>HP-1</b>				115/1	15.0	83.0	22.0			CARRIER 38MAQ812R-1	

AIR DISTRIBUTION			
MARK	TYPE	MAKE & MODEL	REMARKS
<b>EG-1</b>	EXHAUST GRILLE	TITUS S0F	②
<b>EG-2</b>	EXHAUST GRILLE	TITUS S0F	① ②
<b>RG-1</b>	RETURN GRILLE	TITUS S0F	②
<b>SR-1</b>	SUPPLY REGISTER	TITUS S300FS	③
<b>SR-2</b>	SUPPLY REGISTER	TITUS S300FS	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	TYPE	MATERIAL	MAKE & MODEL	REMARKS
<b>(E)L-1</b>	36" x 26"	INTAKE	GALVANIZED STEEL	WONDERMETALS 430L	
<b>(E)L-2</b>	36" x 26"	INTAKE	GALVANIZED STEEL	WONDERMETALS 430L	
<b>L-3</b>	36" x 26"	INTAKE	GALVANIZED STEEL	WONDERMETALS 430L	①

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



Project Name:	North Harbor Shell	NRCC-PRF-01-E	Page 7 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.cbd19x		

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)												
1	2	3	4	5	6	7	8	9	10	11	12	13
Equipment Name	Equipment Type	Qty	Heating				Cooling				Economizer Type (if present)	Status
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency			
F-1 + EV-1	SZAC (SplitPhase)	1	75	0	AFUE	92.1	44	SEER/EEER	14.00/12.00	NoEconomizer	N	
F-2 + EV-2	SZAC (SplitPhase)	1	75	0	AFUE	92.1	44	SEER/EEER	14.00/12.00	NoEconomizer	N	
F-3 + EV-3	SZAC (SplitPhase)	1	75	0	AFUE	92.1	44	SEER/EEER	14.00/12.00	NoEconomizer	N	
HP-1	SZHP (SplitPhase)	1	12	4	HSPF	10.200	12	SEER/EEER	14.00/12.00	NoEconomizer	N	
F-4 + EV-4	SZAC (SplitPhase)	1	75	0	AFUE	92.1	44	SEER/EEER	14.00/12.00	NoEconomizer	N	
F-5 + EV-5	SZAC (SplitPhase)	1	75	0	AFUE	92.1	44	SEER/EEER	14.00/12.00	NoEconomizer	N	
F-5 + EV-5 (cont2)	SZAC (SplitPhase)	1	75	0	AFUE	92.1	44	SEER/EEER	14.00/12.00	NoEconomizer	N	

H2. FAN SYSTEMS SUMMARY												
1	2	3	4	5	6	7	8	9	10	11	12	13
Name or Item Qty	Design OA	CFM	Modeling Method	Supply Fan			Return Fan					
				Power	Power Units	Control	CFM	Modeling Method	Power	Power Units	Control	
F-1 + EV-1	1	255	1600	BrakeHorsePower	0.500	bhp	ConstantVolume	NA	NA	NA	NA	NA
F-2 + EV-2	1	211	1600	BrakeHorsePower	0.500	bhp	ConstantVolume	NA	NA	NA	NA	NA
F-3 + EV-3	1	72	1600	BrakeHorsePower	0.500	bhp	ConstantVolume	NA	NA	NA	NA	NA
HP-1	1	0	360	BrakeHorsePower	0.750	bhp	ConstantVolume	NA	NA	NA	NA	NA
F-4 + EV-4	1	172	1600	BrakeHorsePower	0.500	bhp	ConstantVolume	NA	NA	NA	NA	NA
F-5 + EV-5	1	123	1600	BrakeHorsePower	0.500	bhp	ConstantVolume	NA	NA	NA	NA	NA
F-5 + EV-5 (cont2)	1	42	1600	BrakeHorsePower	0.500	bhp	ConstantVolume	NA	NA	NA	NA	NA

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H3. EXHAUST FAN SUMMARY							
1	2	3	4	5	6	7	8
System ID	Zone Name	Qty	CFM	Motor BHP	Power Per Flow (W/cfm)	Total Static Pressure (in. H <sub>2</sub> O)	Status
Zone 4101	9-Zone 4	1	300	0.250	0.727	3.44	N

**H4. Wet System Equipment (boilers, chillers, cooling towers, etc.)**  
This Section Does Not Apply

**H5. PUMPS**  
This Section Does Not Apply

H6. SYSTEM SPECIAL FEATURES			
1	2	3	4
System Name	Equipment Type	Window Interlocks per §140.4(n)	Other Special Features and Controls
DHW1 - SHW	Service Hot Water, Primary Only	NA	Fixed Temperature Control

H7. NONRESIDENTIAL VENTILATION						
1	2	3	4	5	6	7
Zone Name	Ventilation Function	# of people	Mechanical Ventilation		Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
			Supply OA (cfm)	Exhaust (cfm)		
1-Zone 1	Office - Office space	8.52	255	0	1703	NA
3-Zone 2	Office - Office space	7.02	211	0	1405	NA
5-Zone 3 - OSN1	Office - Office space	2.40	72	0	479	NA
7-Zone 5	General - Unoccupied	0.11	0	0	70	NA
9-Zone 6 - Grid F.3 to J	Office - Office space	5.73	172	0	1145	NA
12-Zone 7 - 9-8	Office - Office space	4.11	123	0	823	NA

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H7. NONRESIDENTIAL VENTILATION						
1	2	3	4	5	6	7
Zone Name	Ventilation Function	# of people	Mechanical Ventilation		Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
			Supply OA (cfm)	Exhaust (cfm)		
14-Zone 7 - 12-10	Office - Office space	1.39	42	0	278	NA

**H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION**  
This Section Does Not Apply

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY												
1	2	3	4	5	6	7	8	9	10	11	12	13
System ID	Zone Name	System Type	Qty	Rated Capacity (kBtu/h)		Airflow (cfm)			Fan			
				Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	VSD
1-Zone 1-Trm	1-Zone 1	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bhp	NA	<input type="checkbox"/>
3-Zone 2-Trm	3-Zone 2	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bhp	NA	<input type="checkbox"/>
5-Zone 3 - OSN1-Trm	5-Zone 3 - OSN1	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bhp	NA	<input type="checkbox"/>
7-Zone 5-Trm	7-Zone 5	Uncontrolled	1	NA	NA	360	NA	0.00	0.750	bhp	NA	<input type="checkbox"/>
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	bhp	NA	<input type="checkbox"/>
12-Zone 7 - 9-8-Trm	12-Zone 7 - 9-8	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bhp	NA	<input type="checkbox"/>
14-Zone 7 - 12-10-Trm	14-Zone 7 - 12-10	Uncontrolled	1	NA	NA	1600	NA	0.00	0.500	bhp	NA	<input type="checkbox"/>

**H10. EVAPORATIVE COOLER SUMMARY**  
This Section Does Not Apply

**H11. HEAT RECOVERY SUMMARY**  
This Section Does Not Apply

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G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)			
1	2	3	4
Opaque Surfaces & Orientation	Total Gross Surface Area (ft <sup>2</sup> )	Total Fenestration Area (ft <sup>2</sup> )	Window to Wall Ratio (%)
North-Facing <sup>1</sup>	1,849 ft <sup>2</sup>	408 ft <sup>2</sup>	22.1%
East-Facing <sup>2</sup>	1,055 ft <sup>2</sup>	0 ft <sup>2</sup>	00.0%
South-Facing <sup>3</sup>	1,991 ft <sup>2</sup>	813 ft <sup>2</sup>	40.8%
West-Facing <sup>4</sup>	840 ft <sup>2</sup>	231 ft <sup>2</sup>	24.6%
<b>Total</b>	<b>5,835 ft<sup>2</sup></b>	<b>1,452 ft<sup>2</sup></b>	<b>24.9%</b>
Roof	4,536 ft <sup>2</sup>	0 ft <sup>2</sup>	00.0%

Notes:  
<sup>1</sup> 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).  
<sup>2</sup> 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).  
<sup>3</sup> 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).  
<sup>4</sup> 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).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY									
1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft <sup>2</sup> )	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.Sin., 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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G3. OPAQUE SURFACE ASSEMBLY SUMMARY									
1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft <sup>2</sup> )	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status
R-30 Roof 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.Sin., R-30 Gypsum Board - 1/2 in.	N
R-21 Wall26	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.Sin., R-21 Gypsum Board - 1/2 in.	N
R-30 Roof No Attic65	Roof	3750	Wood	30	NA	U-Factor	0.034	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 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 Wall261	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.Sin., 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.Sin., R-13 Plywood - 1/2 in. Carpet - 3/4 in.	N

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G3. OPAQUE SURFACE ASSEMBLY SUMMARY									
1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft <sup>2</sup> )	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status
R-13 Roof No Attic178	Roof	141	Wood	13	NA	U-Factor	0.067	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, 5.Sin., R-13 Gypsum Board - 1/2 in.	N

<sup>1</sup> Status: N - New, A - Altered, E - Existing

G4. OPAQUE DOOR SUMMARY			
1	2	3	4
Assembly Name	Overall U-Factor	Status <sup>1</sup>	
Insulated Door20	0.200	N	
Roll Up Door82	1.450	N	

G5. FENESTRATION ASSEMBLY SUMMARY								
1	2	3	4	5	6	7	8	9
Fenestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method <sup>1</sup>	Assembly Method	Area ft <sup>2</sup>	Overall U-Factor	Overall SHGC	Overall VT	Status
Milgard Dbl/Mtl Clr Low-E	VerticalFenestration FixedWindow	NFRC Rated	Manufactured	1515	0.77	0.40	0.50	N

<sup>1</sup> Newly installed fenestration shall have a certified NFRC label Certification or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for ease of verification. See sheet fenestration values are calculated per Nonresidential Appendix A4.6.2 and are used in the analysis.  
<sup>2</sup> Status: N - New, A - Altered, E - Existing

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A. GENERAL INFORMATION			
1	2	3	4
Project Location (city)	Standards Version	Compliance2019	
Moss Landing	95039	EnergyPro 8.3	
CA Zip Code	95039	9 Compliance Software (version)	
Climate Zone	3	Weather File	SALINAS_724917_CZ2010.gpw
Total Conditioned Floor Area in Scope	9,126 ft <sup>2</sup>	Building Orientation (deg)	(N) 0 deg
Total Unconditioned Floor Area	786 ft <sup>2</sup>	Permitted Scope of Work	NewEnvelopeAndLightingAndPartialMechanical
Total # of Stories (Habitable Above Grade)	2	Building Type(s)	Nonresidential
Total # of dwelling units	0	Gas Type	NaturalGas

**B. PROJECT SUMMARY**  
 Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

Envelope (see Table G)	Building Components Complying via Performance		Building Components Complying Prescriptively	
	<input checked="" type="checkbox"/> Performance	<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	<input type="checkbox"/> Not Included
Mechanical (see Table H)	<input checked="" type="checkbox"/> Performance	<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	<input type="checkbox"/> Not Included
Domestic Hot Water (see Table I)	<input type="checkbox"/> Not Included	<input checked="" type="checkbox"/> Performance	<input checked="" type="checkbox"/> Performance	<input type="checkbox"/> Not Included
Lighting (Indoor Conditioned, see Table K)	<input checked="" type="checkbox"/> Performance	<input type="checkbox"/> Not Included	<input type="checkbox"/> Performance	<input type="checkbox"/> Not Included

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**M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCA/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/)

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LI-02-A - Occupancy Sensors and Automatic Time Switch Controls
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap NRCA-MCH-03-A Constant Volume Single Zone HVAC NRCA-MCH-11-A Automatic Demand Shed Controls NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance

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Input File Name:	221213 - North Harbor.cbd19x		

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

Documentation Author Name: Lucas Hale	Signature:
Company: AXIOM ENGINEERS	Signature Date: 2022-12-13
Address: 22 Lower Ragsdale Drive, Suite A	CEA/HERS Certification Identification (if applicable):
City/State/Zip: Monterey CA 93940	
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 permits 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:
Address:	Title:
City/State/Zip:	License #:
Phone:	
Responsible Lighting Designer Name:	Signature:
Company:	Date Signed:
Address:	Title:
City/State/Zip:	License #:
Phone:	
Responsible Mechanical Designer Name: - specify -	Signature:
Company:	Date Signed:
Address:	Title:
City/State/Zip:	License #:
Phone:	

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1L. WATER HEATER EQUIPMENT SUMMARY													
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 (incl Ext)	Standby Loss Fraction	1st Hour Rating or Flow Rate (gph)	Heat Pump Type	Tank Location or Ambient Condition
EF-60T-12SE-3N(A)2	Gas	Storage	1	60.00	125	kBtu/h	0.96	ThrmL. EFF.	NA	0.060	80	NA	NA

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO					
1	2	3	4	5	
Occupancy Type <sup>1</sup>	Conditioned Floor Area <sup>2</sup> (ft <sup>2</sup> )	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	0	0	0
<b>Building Totals:</b>	<b>9,126</b>	<b>5,498</b>	<b>0</b>	<b>0</b>	<b>0</b>

<sup>1</sup> See Table 140.6-C  
<sup>2</sup> See NRCC-171-01-F for unconditioned spaces  
<sup>3</sup> Lighting information for existing spaces modeled is not included in the table

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K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS						
Building Level Controls			2			
1			Mandatory Demand Response §110.12(c)			
Required			Shut-Off Controls §130.1(c)			
Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per §130.1)			Required			
4	5	6	7	8	9	10
Area Description	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)

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**L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**  
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCA/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/)

Building Component	Form/Title
Envelope	NRCA-ENV-01-E - Must be submitted for all buildings
Mechanical	NRCA-MCH-01-E - Must be submitted for all buildings
Plumbing	NRCA-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCA-LI-01-E - Must be submitted for all buildings

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PH: (831) 649-8000  
FX: (831) 649-8038



AE Project #: 20220482

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2340 GARDEN ROAD, SUITE 100  
MONTEREY, CALIFORNIA 93940  
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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.: 413-002-0008 & 51-000

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  
BID SET: 10/11/23

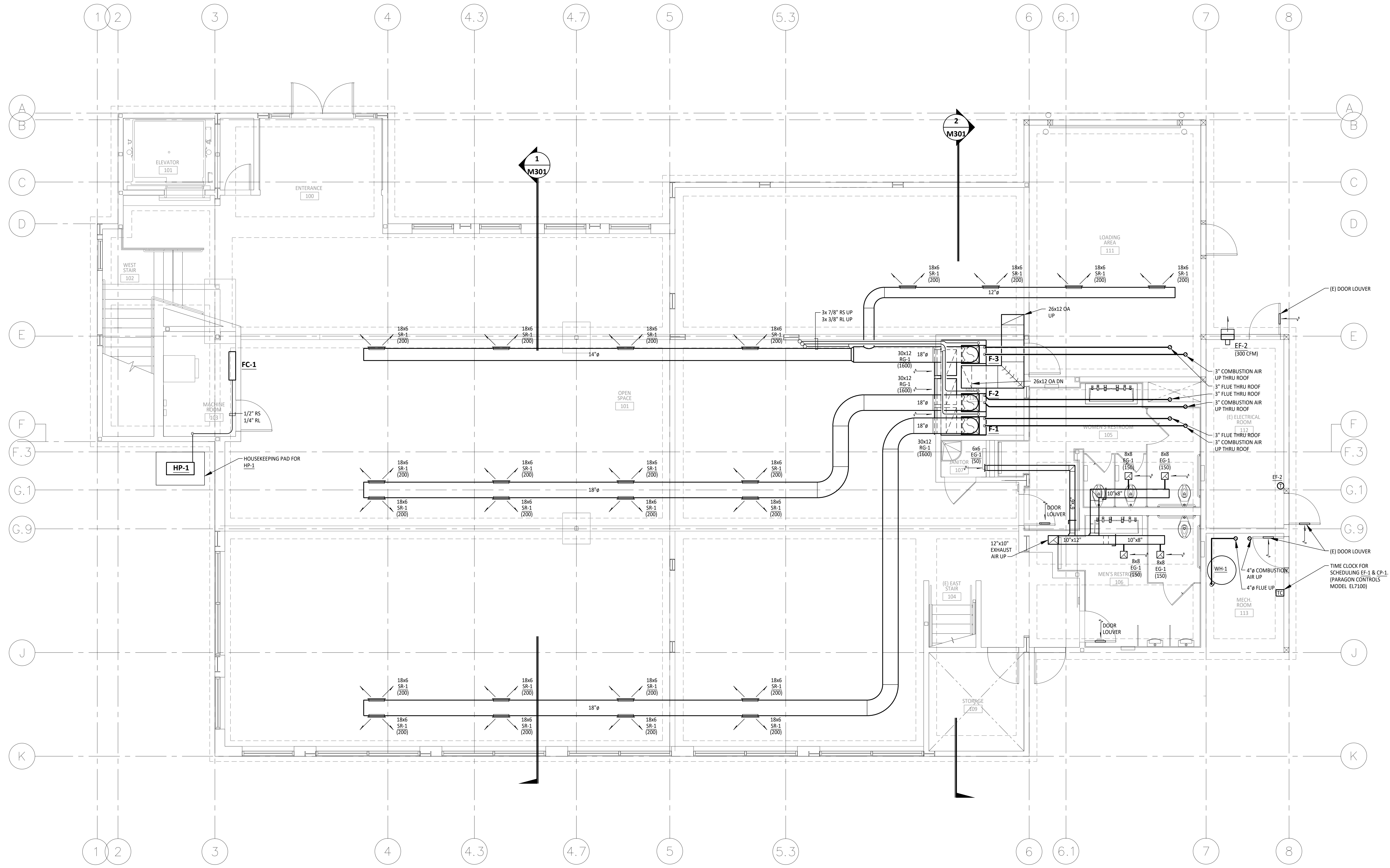
SHEET NAME:  
**TITLE 24 - MECHANICAL**

SHEET NO.:

**M004**

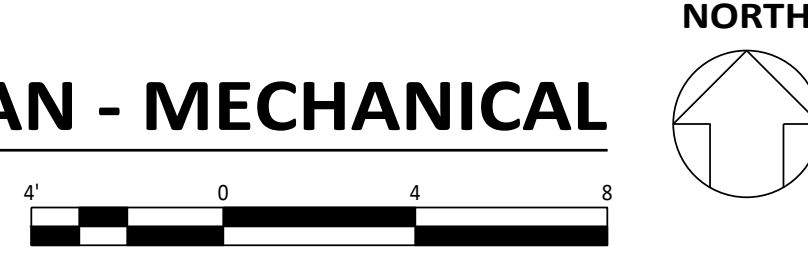
FILE NAME: HVA-M003

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**FIRST FLOOR PLAN - MECHANICAL**

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



2340 GARDEN ROAD, SUITE 100  
 MONTEREY, CALIFORNIA 93940  
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**MOSS LANDING HARBOR DISTRICT  
 NORTH HARBOR BUILDING WARM SHELL**  
 2460 HIGHWAY ONE, MOSS LANDING CA 95039  
 MOSS LANDING HARBOR DISTRICT  
 787 SANHOLT ROAD, MOSS LANDING CA 95039  
 A.P.N. NO.: 413-002-000 & 51-000

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  
 BID SET: 10/1/23

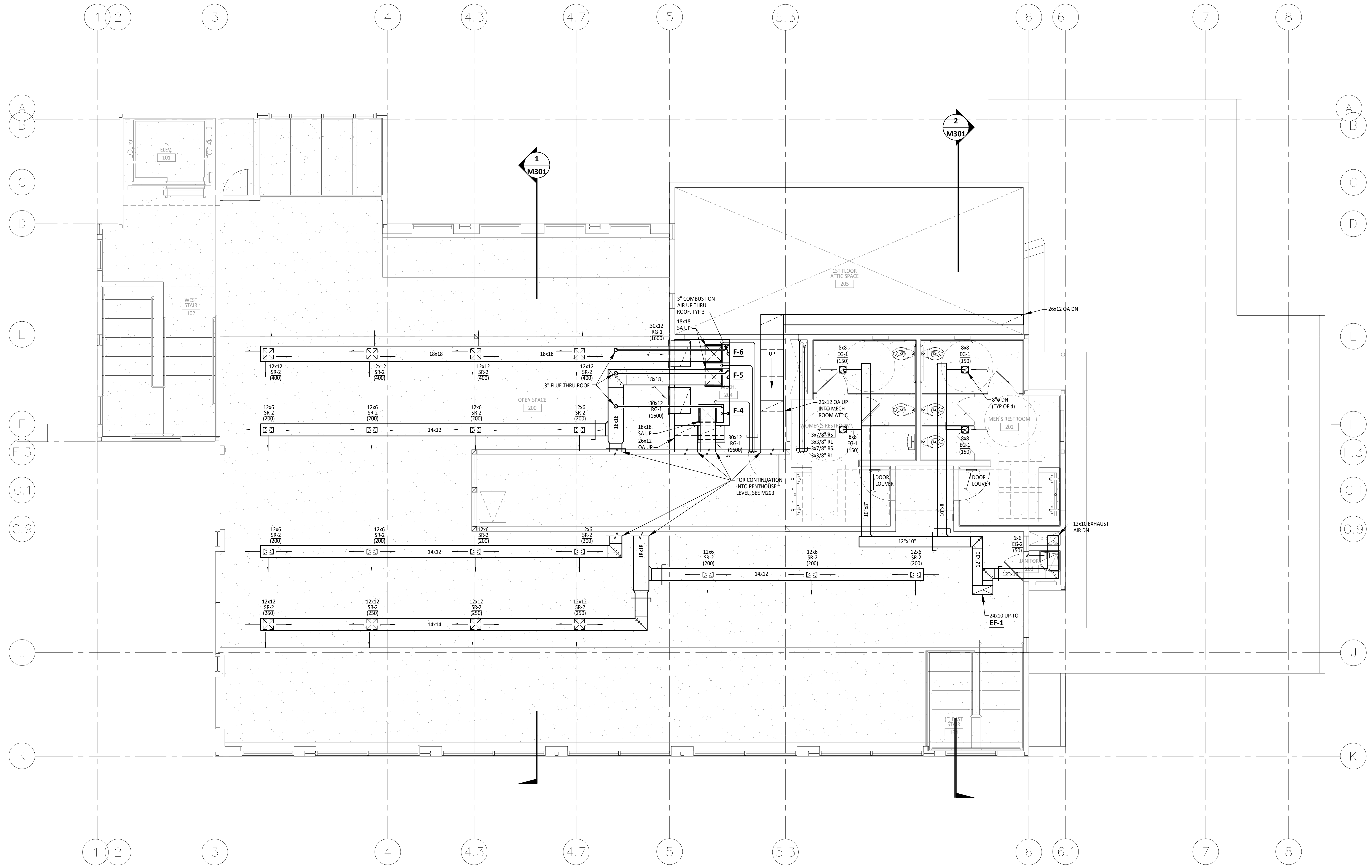
SHEET NAME:  
**FIRST FLOOR PLAN - MECHANICAL**  
 SHEET NO.:



PH: (831) 649-8000  
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**M201**  
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 Drawing: C:\Users\jordan\OneDrive\Documents\Projects\220284\220284.dwg  
 Date: 7/19/2023 10:40:00 AM  
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 Plot Scale: 1/4" = 1'-0"  
 Plot Size: 36.00 x 48.00  
 Plot Orientation: Landscape  
 Plot Color: Black  
 Plot Lineweight: 0.20  
 Plot Font: Arial, 10  
 Plot Background: None  
 Plot Plotter: HP DesignJet 500



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



2340 GARDEN ROAD, SUITE 100  
 MONTEREY, CALIFORNIA 93940  
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**MOSS LANDING HARBOR DISTRICT  
 NORTH HARBOR BUILDING WARM SHELL**  
 2460 HIGHWAY ONE, MOSS LANDING CA 95039  
 MOSS LANDING HARBOR DISTRICT  
 788 T SANHOLT ROAD, MOSS LANDING CA 95039  
 A.P.N. NO.: 413-002-0008 & 51-000

JOB NO:  
**22084**  
 PRINT DATE:  
 PLOT DATE: 7.19.2023  
 DRAWN BY: CAD  
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PLAN CHECK SUBMITTAL: 12/16/22  
 BACKCHECK SUBMITTAL: 7/10/23  
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SHEET NAME:  
**SECOND FLOOR PLAN - MECHANICAL**  
 SHEET NO.:

**M202**  
 FILE NAME: HVA-M202



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DRAWING: C:\Users\aviome\OneDrive\Engineering\2022\402-000 - 20220482 North Harbor Dist North Harbor restaurant - PLUMBING MECHANICAL ENGINEERS

CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO COMPLETE THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.

**GENERAL NOTES:**

- 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 COMPLETE THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- PLUMBING CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.
- CONTRACTOR SHALL SAW-CUT SLAB AS REQUIRED FOR INSTALLATION OF WASTE AND VENT PIPING BELOW FLOOR.
- CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- 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.
- ALL CONTROL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR.
- FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 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.
- FOR ROOF PENETRATIONS WITHOUT CURBS, PROVIDE WEATHERPROOF FLASHING PER SMACNA ARCHITECTURAL SHEET METAL MANUAL AND DRAWING NOTES.
- 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.
- 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.
- COORDINATE WITH ELECTRICAL ON REQUIRED POWER OUTLETS AND LIGHT SWITCHES NEAR PLUMBING EQUIPMENT.
- 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 ATTACHED, NEED NOT BE BRACED.
- ALL PIPING, VALVES, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.

**LIST OF GOVERNING CODES:**

- 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
- 2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, C.C.R.
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
- 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
- 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
- 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R.
- 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
- TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

WATER HEATERS										
MARK	LOCATION	GAL CAP	MBH IN	ELECT		FULL WT	MAKE & MODEL	REMARKS		
				KW	V/PH					
WH-1	MECH ROOM 114	60	125	-	-	162 GPH	BRADFORD WHITE EF-60T-125E-3N		①	

① SEE 1/P601 FOR WATER HEATER PIPING SCHEMATIC.

GREASE INTERCEPTOR						
MARK	TYPE	DESCRIPTION	GAL	MAKE & MODEL	DIMENSIONS [LxWxH]	REMARKS
GI-1	HYDROMECHANICAL OUTDOOR/INDOOR	POLYETHYLENE GREASE INTERCEPTOR	510	SCHIER MODEL GB-500	94-1/4" x 46" x 49-1/2"	① ② ③ ④ ⑤

- 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, PPS
- ⑤ SIZED USING CPC TABLE 1014.2.1 TWO-MINUTE DRAINAGE PERIOD BASED ON FIXTURE CAPACITIES.

PUMPS										
MARK	GPM	TDH FT	BHP	MOTOR		WT LBS	MAKE & MODEL	REMARKS		
				HP	V/PH					
CP-1	2	12	-	0.06	115/1	7	GRUNDFOS UP15 18BU7		① ② ③ ④	

- ① INSTALL PER MANUFACTURER'S INSTRUCTIONS
- ② PROVIDE GRUNDFOS TIMER, MODEL 599388
- ③ PROVIDE GRUNDFOS AQUASTAT, MODEL 595444
- ④ DOMESTIC HW RECIRCULATION PUMP

PLUMBING FIXTURE CONNECTIONS							
MARK	DESCRIPTION	MIN BRANCH SIZE				TRAP	REMARKS
		W	V	CW	HW		
WC-1	WATER CLOSET	3"	2"	1/2"	-	INTEGRAL	① ③
WC-2	WATER CLOSET	3"	2"	1/2"	-	INTEGRAL	③
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1-1/2"	① ③
U-1	WALL MOUNTED URINAL	2"	1 1/2"	1/2"	-	INTEGRAL	① ③
U-2	WALL MOUNTED URINAL	2"	1 1/2"	1/2"	-	INTEGRAL	③
MS-1	MOP SINK	2"	1 1/2"	1/2"	1/2"	2" X 1-1/2"	①
FD-1	FLOOR DRAIN	2"	1-1/2"	1/2" TP	-	2"	②

- ① MUST MEET CALIFORNIA REQUIREMENTS FOR ADA.
- ② FLOOR DRAIN, JAY R. SMITH FIGURE 2005L FLOOR DRAIN. 5" ROUND TOP, NICKEL BRONZE STRAINER.
- ③ PLUMBING FIXTURES AND TRIM SELECTED BY ARCHITECT. SEE ARCHITECTURAL DRAWINGS

**PLUMBING FIXTURE SPECIFICATION**

FIXTURES SHALL BE COMPLETE WITH ALL FITTINGS, SUPPORTS, FASTENING DEVICES, FAUCETS, VALVES, 17 GAUGE TRAPS, STOPS, CAULKING AND APPURTENANCES REQUIRED. FIXTURE COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.

- MOP SINK MS-1: FLORESTONE MODEL 20 TERRAZO MOP RECEPTOR. 24" x 24", 6" HEIGHT, 2" DRAIN. PROVIDE FLORESTONE OPTIONS MR-370, MR-271, MR-373, MR-375

**GREASE INTERCEPTOR CALCULATIONS**

Reference No. 46354 Project Name: Moss Landing Harbor District - North Harbor restaurant

**Step 1: Flow rate to grease interceptor**

Fixture flow rate:  $(cu\ in / 231) = gal \times 0.75 / 2\ min = 2\ min\ flow\ rate$

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
3 Comp Sink	3 Compartment Sink	21" x 21" x 14" (3)	1	18,522	30 GPM
Dishwasher	Dishwasher (Conveyor)	N/A	1	5,775	12.5 GPM
Hand Sink	Hand Sink	10" x 14" x 5"	2	1,400	2.26 GPM
Service Sink	Prep Sink One Bowl	21" x 21" x 14"	1	6,174	10 GPM

**Total 54.76 GPM**

**Step 2: Grease Production**

Number of Seats x 4 turns per seat x Grease Production Value x Days between pump-out = Grease output

Number of seats in facility: 184  
Grease production value: 0.0455 lbs per serving (Seafood: High / Flatware)  
Days between pump-outs: 90 days

**184 x 4 x 0.0455 x 90 = 3013.92 lbs of FOG**

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

PLUMBING LEGEND				
SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
---	CW	COLD WATER (DOMESTIC)	COORD	COORDINATE
---	HW	HOT WATER	CONST	CONSTRUCTION
---	HWR	HOT WATER RETURN	DF	DRINKING FOUNTAIN
---	V	VENT	DN	DOWN
---	TW	TEMPERED WATER	DWGS	DRAWINGS
---	TWR	TEMPERED WATER RETURN	(E)	EXISTING
---	TP	TRAP PRIMER LINE	EC	ELECTRICAL CONTRACTOR
---	F	FIRE WATER	ELEC	ELECTRICAL
---	SPKR	SPRINKLER	ELEV	ELEVATION
---	DSPKR	DRY SPRINKLER	EMBT	EMBEDMENT
---	SPKR(D)	DELUGE SPRINKLER	EQUIP	EQUIPMENT
---	WSP	WET STAND PIPE	EWI	ENTERING WATER TEMPERATURE
---	DSP	DRY STAND PIPE	EXT	EXTERIOR
---	G	GAS (7"WC)	FD	FLOOR DRAIN
---	MPG	MEDIUM PRESSURE GAS	FFE	FINISHED FLOOR ELEVATION
---	W	S OR W SOIL OR WASTE ABOVE GRADE	FLA	FULL LOAD AMPS
---	W	S OR W SOIL OR WASTE BELOW GRADE	FLEX	FLEXIBLE
---	GW	GREASE WASTE (ABOVE GROUND)	FLR	FLOOR
---	GW	GREASE WASTE (BELOW GROUND)	FS	FLOOR SINK
---	IW	INDUSTRIAL WASTE (ABOVE GROUND)	FSM	FEET PER MINUTE
---	IW	INDUSTRIAL WASTE (BELOW GROUND)	FT	FEET
---	RWL	RAIN WATER LEADER	FT HD	FEET HEAD
---	RD	ROOF DRAIN	GPM	GALLONS PER MINUTE
---	ID	INDIRECT DRAIN	GALV	GALVANIZED
---	CD	CONDENSATE DRAIN	GA	GAUGE
---	CAP	CONTINUATION	GC	GENERAL CONTRACTOR
---	CONT	CONTINUATION	HP	HORSEPOWER
---	OR	GATE VALVE	HR	HOUR
---	OR	SHUT-OFF VALVE	HZ	HERTZ
---	SOV	SHUT-OFF VALVE	ID	INSIDE DIAMETER
---	GV	GLOBE VALVE	IE	INVERT ELEVATION
---	---	BUTTERFLY VALVE	IN	INCH
---	---	BALL VALVE	INV	INVERT
---	BV	BALANCING VALVE	KW	KILOWATTS
---	CS	CIRCUIT SETTER	LBS	POUNDS
---	---	SOLENOID VALVE	LG	LONG
---	---	---	LRA	LOCKED ROTOR AMPS
---	---	---	LVG	LEAVING
---	---	---	LWT	LEAVING WATER TEMPERATURE
---	T&PRV	TEMP. & PRESS. RELIEF VALVE	MAX	MAXIMUM
---	---	---	MBH	1000 BTU PER HOUR
---	---	---	MC	MECHANICAL CONTRACTOR
---	---	---	MCA	MINIMUM CIRCUIT AMPS
---	---	---	MECH	MECHANICAL
---	CKV	CHECK VALVE	MFR	MANUFACTURER
---	---	---	MIN	MINIMUM
---	---	---	MOCP	MAXIMUM OVERCURRENT PROTECTION
---	---	---	(N)	NEW
---	---	---	NC	NORMALLY CLOSED
---	PRV	PRESSURE REGULATING VALVE	NIC	NOT IN CONTRACT
---	GPR	GAS PRESSURE REGULATOR	NO	NORMALLY OPEN
---	---	---	NTS	NOT TO SCALE
---	FC	FLEXIBLE CONNECTION	OC	ON CENTER
---	---	---	OD	OUTSIDE DIAMETER
---	WHA	WATER HAMMER ARRESTOR	PC	PLUMBING CONTRACTOR
---	HB	HOSE BIBB	PD	PRESSURE DROP
---	GCD/FCO	GRADE CLEANOUT/FLOOR CLEANOUT	PH	PHASE
---	WCO	WALL CLEANOUT	P/N	PART NUMBER
---	---	---	PRESS	PRESSURE
---	---	---	PRV	PRESSURE REDUCING VALVE
---	---	---	PSI	POUNDS PER SQUARE INCH
---	---	---	P/T	PRESSURE/TEMPERATURE
---	---	---	QTY	QUANTITY
---	P.O.C.	POINT OF CONNECTION	REQD	REQUIRED
---	---	---	REQS	REQUIREMENTS
---	AD	ACCESS DOOR	RLA	RATED/RUNNING LOAD AMPS
---	DIA	DIAMETER	RM	ROOM
---	&	AND	RPM	REVOLUTIONS PER MINUTE
---	@	AT	RV	RELIEF VALVE
---	°F	DEGREES FAHRENHEIT	SM	SHEETMETAL
---	AC	AIR CONDITIONER	SOV	SHUT-OFF VALVE
---	AD	AREA DRAIN	SPEC	SPECIFICATION
---	AFF	ABOVE FINISH FLOOR	SQ	SQUARE
---	AGGR	AGGREGATE	STD	STANDARD
---	AMP	AMPERE	STRUCT	STRUCTURAL
---	APPROX	APPROXIMATE	STSL	STAINLESS STEEL
---	ARCH	ARCHITECT/ARCHITECTURAL	TDH	TOTAL DYNAMIC HEAD
---	BHP	BRAKE HORSEPOWER	TEMP	TEMPERATURE
---	BJ	BETWEEN JOISTS	TYP	TYPICAL
---	BLDG	BUILDING	UL	UNDERWRITER'S LABORATORIES
---	BT	BATHTUB	UON	UNLESS OTHERWISE NOTED
---	BTU	BRITISH THERMAL UNIT	V	VOLT
---	CFH	CUBIC FEET PER HOUR	VTR	VENT THROUGH ROOF
---	CI	CAST IRON	W/	WITH
---	CIRC	CIRCULATING	WC	WATER COLUMN
---	CLG	CEILING	WH	WATER HEATER
---	CONC	CONCRETE	WM	WASHING MACHINE
---	CONN	CONNECTION	WT	WEIGHT

PIPE MATERIAL SCHEDULE	
TYPE	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  
 7881 SANHOLT ROAD, MOSS LANDING CA 95039  
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SHEET NAME:  
**LEGENDS AND NOTES - PLUMBING**  
SHEET NO.:

**P001**  
FILE NAME: PLB-P001

**GREASE INTERCEPTOR ( GI-1) SIZING**

SCALE: NO SCALE

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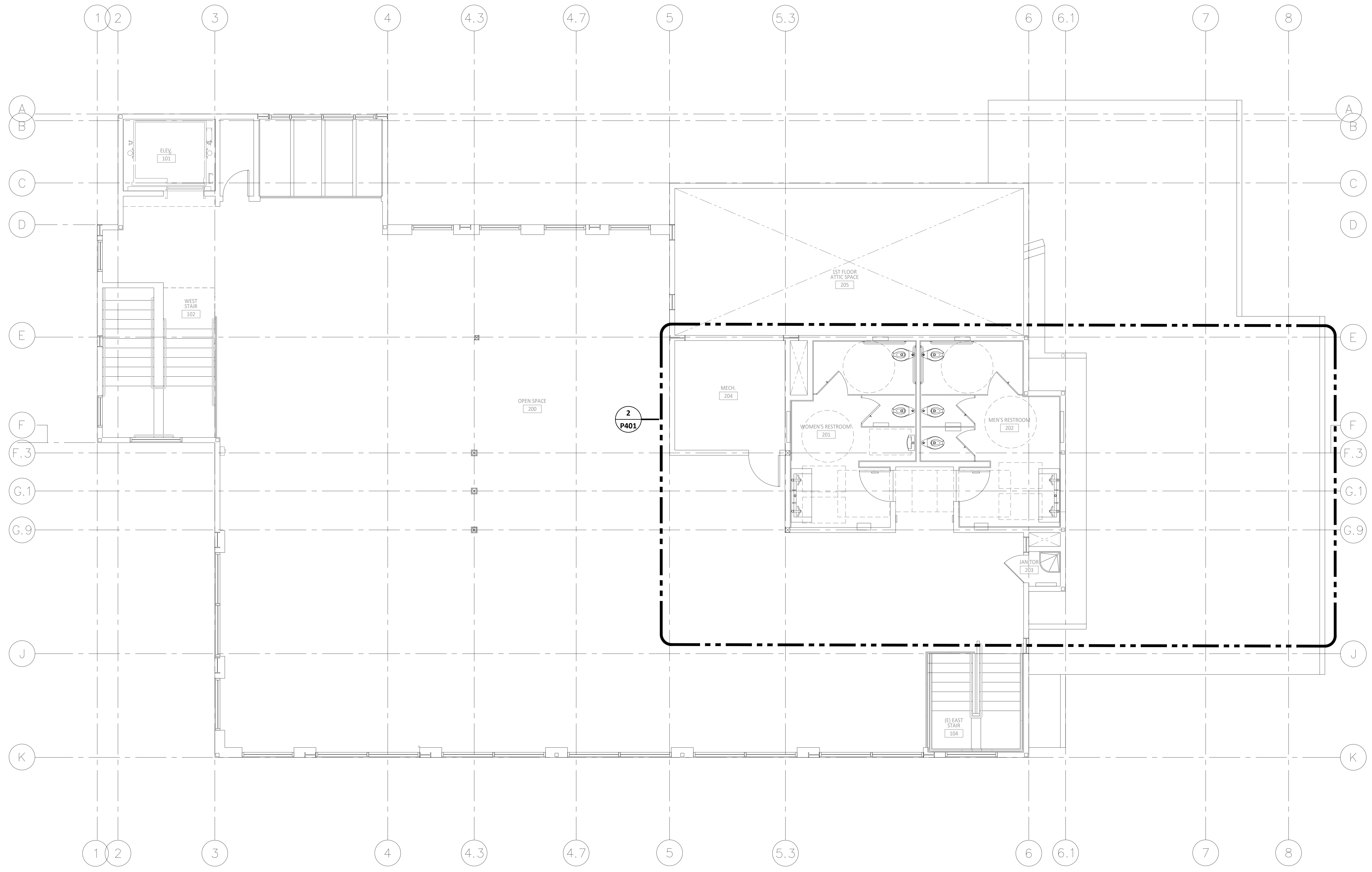
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**SECOND FLOOR PLAN - PLUMBING**  
 SCALE: 1/4" = 1'-0"  
 NORTH



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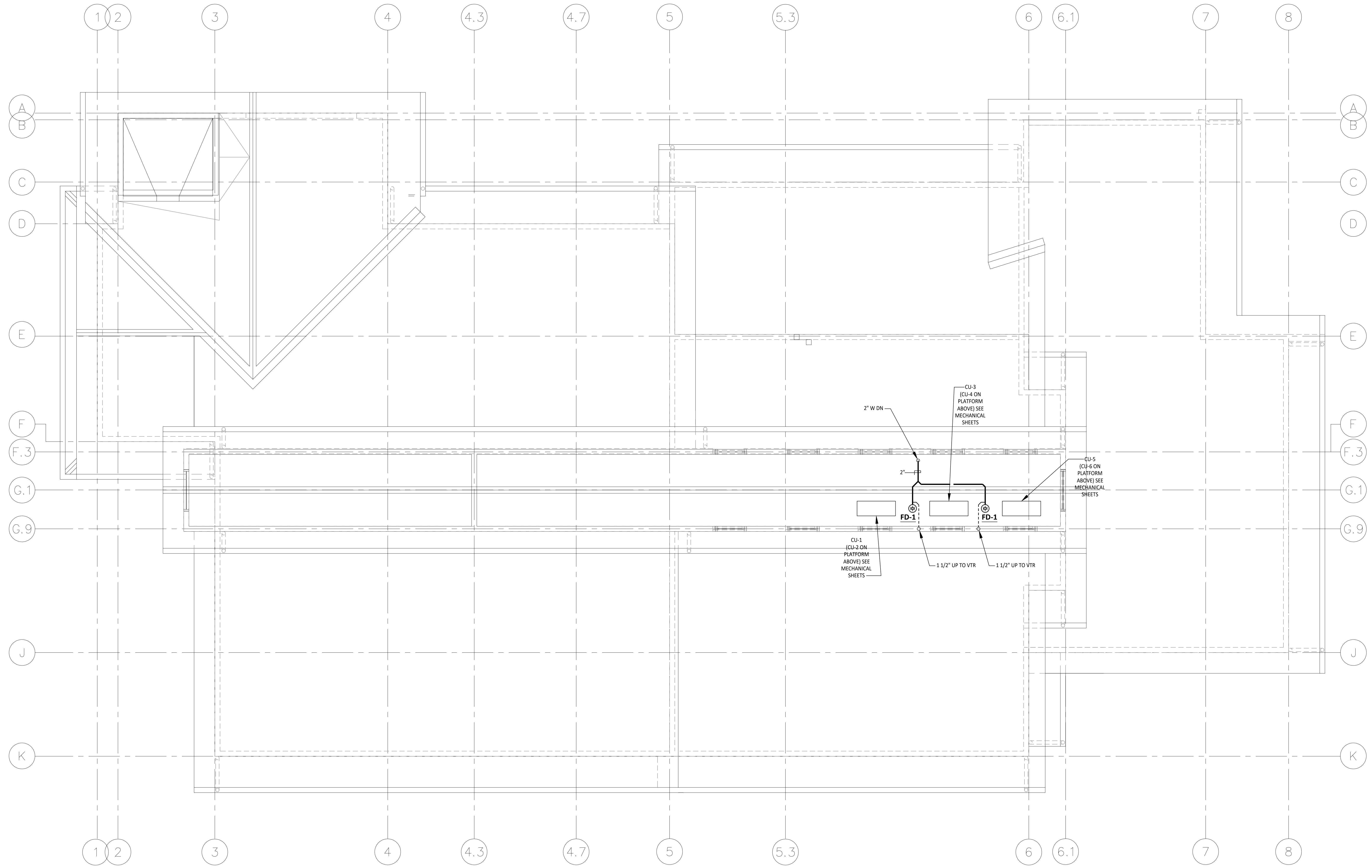
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**SECOND FLOOR PLAN - PLUMBING**

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**P202**  
 FILE NAME: PLB-P202



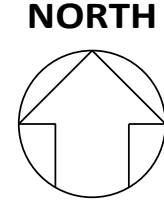
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**PENTHOUSE FLOOR PLAN - PLUMBING**

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



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 BID SET: 10/11/23

SHEET NAME:  
**PENTHOUSE  
 FLOOR PLAN -  
 PLUMBING**

SHEET NO.:

PH: (831) 649-8000  
 FX: (831) 649-8038

www.axiomenengineers.com



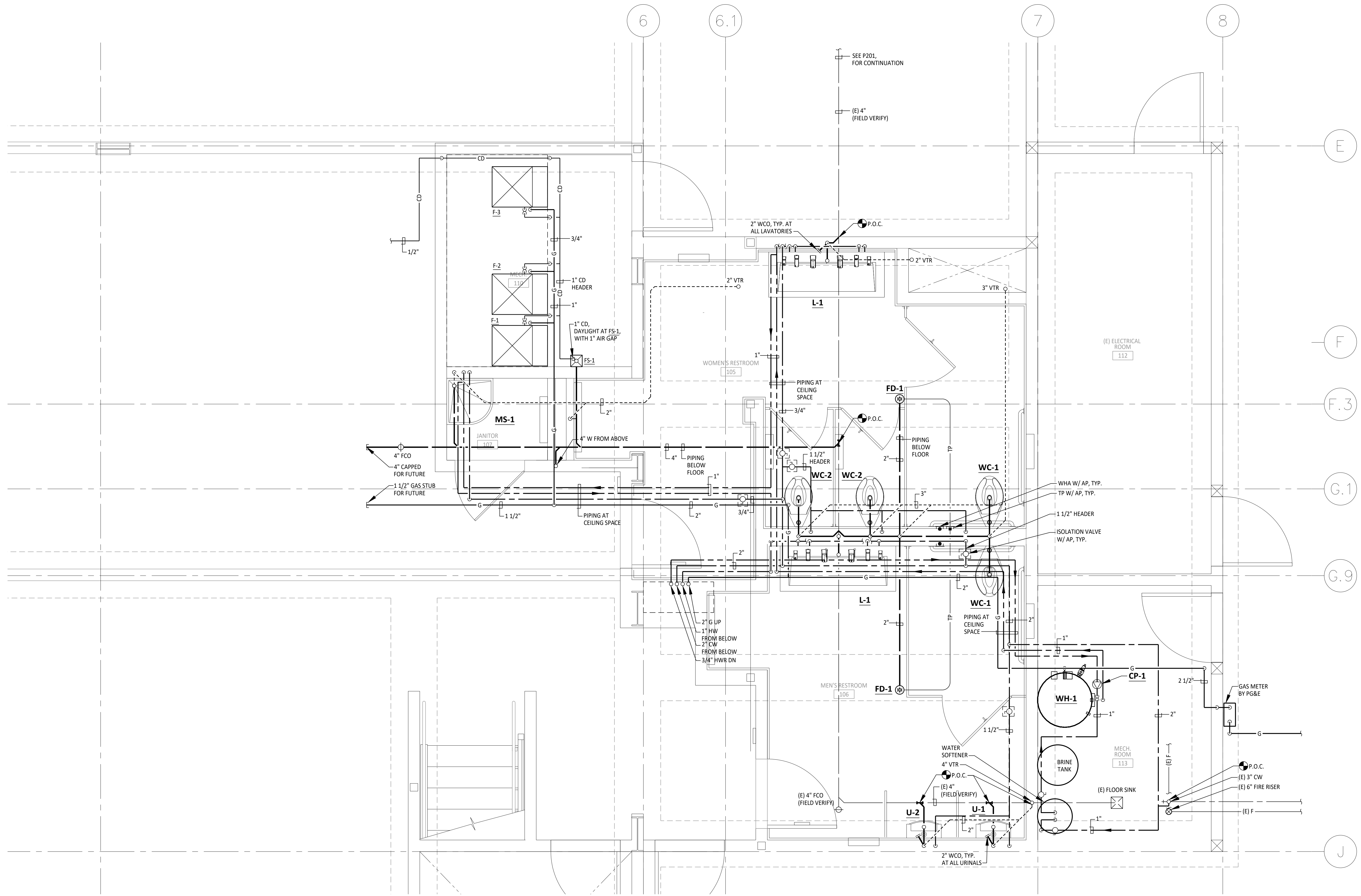
AE Project #: 20220482

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

**P203**

FILE NAME: PLB-P203

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 22 Lower Ragsdale Dr., Suite A, Monterey, California 93940-5788  
 PH: (831) 649-8000 FAX: (831) 649-8038  
 www.axiomenengineers.com  
 Drawing: C:\Users\jvanderkolk\OneDrive\Engineering\2022\22084\22084-01-ENLARGED FIRST FLOOR RESTROOMS - PLUMBING.rvt  
 Date: 7/19/2023 10:54:52 AM



**1 ENLARGED FIRST FLOOR RESTROOMS - PLUMBING**  
 SCALE: 1/2" = 1'-0"  
 NORTH

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**MOSS LANDING HARBOR DISTRICT  
 NORTH HARBOR BUILDING WARM SHELL**  
 2460 HIGHWAY ONE, MOSS LANDING CA 95039  
 MOSS LANDING HARBOR DISTRICT  
 788 T SANHOLT ROAD, MOSS LANDING CA 95039  
 A.P.N. NO.: 413-002-000 & 51-000

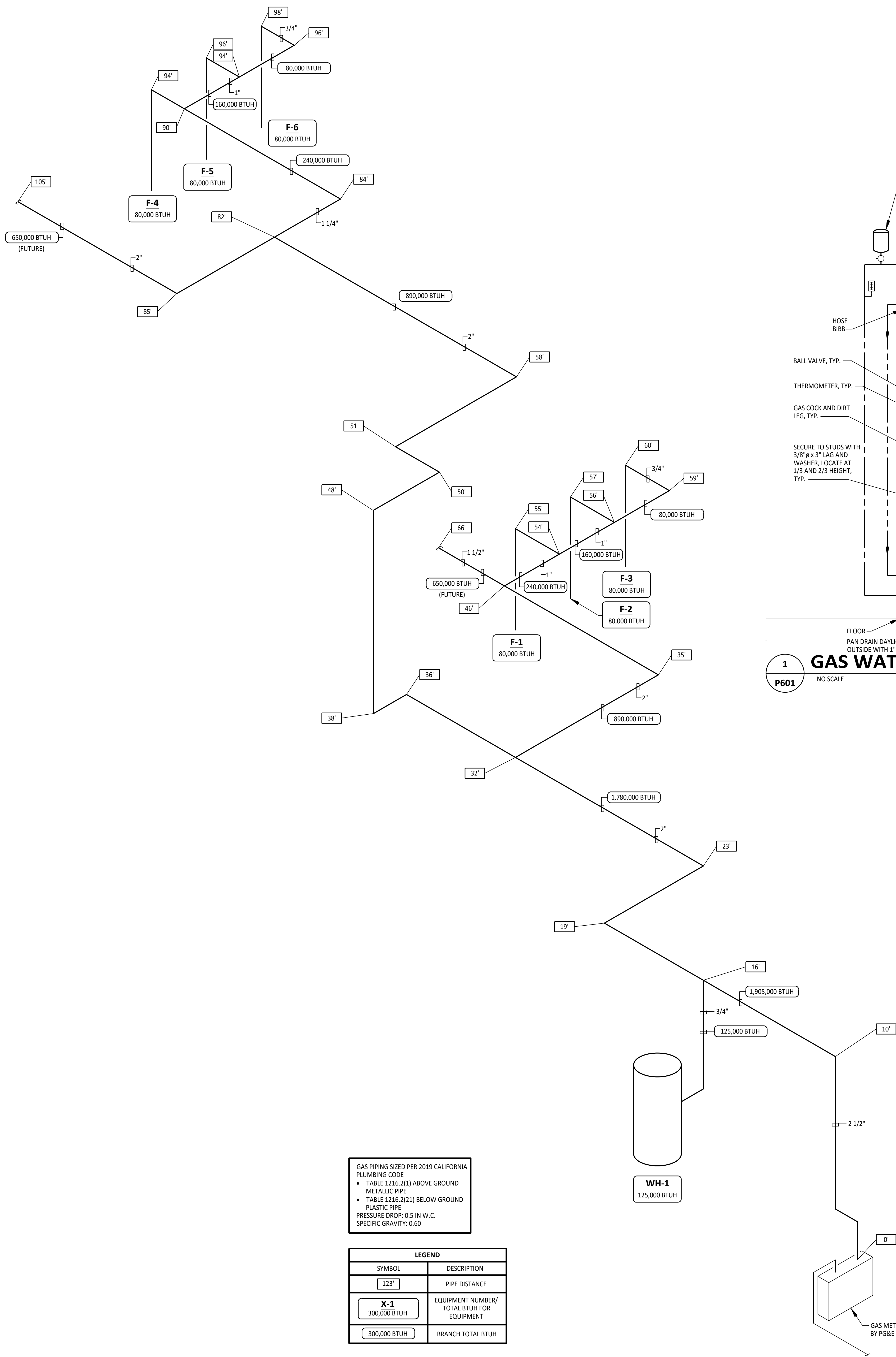
JOB NO:  
**22084**  
 PRINT DATE:  
 PLOT DATE: 7.19.2023  
 DRAWN BY: CAD  
 CHECKED BY: RSS  
 SET ISSUED:

PLAN CHECK SUBMITTAL: 12/10/22  
 BACKCHECK SUBMITTAL: 7/10/23  
 BID SET: 10/11/23

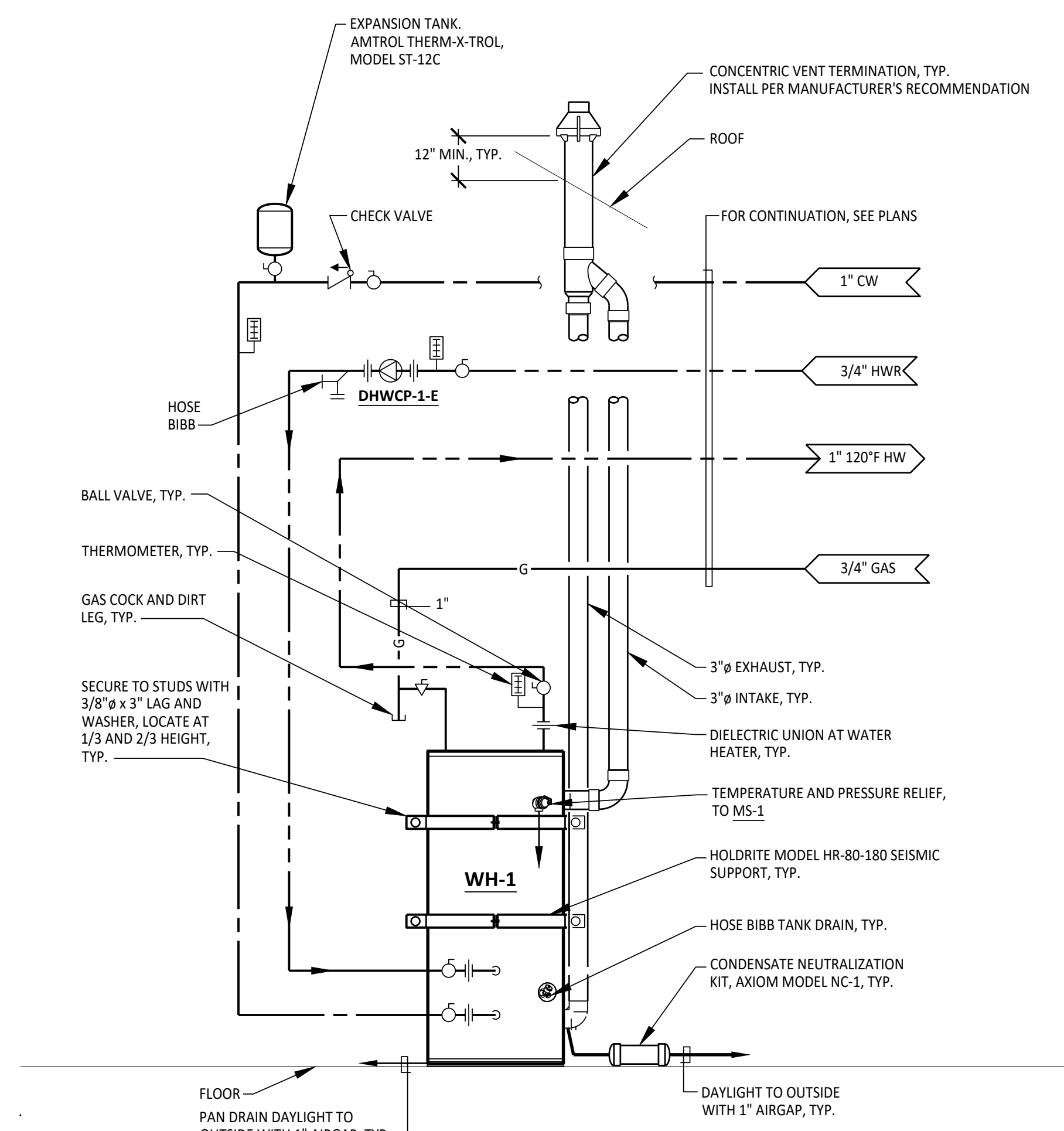
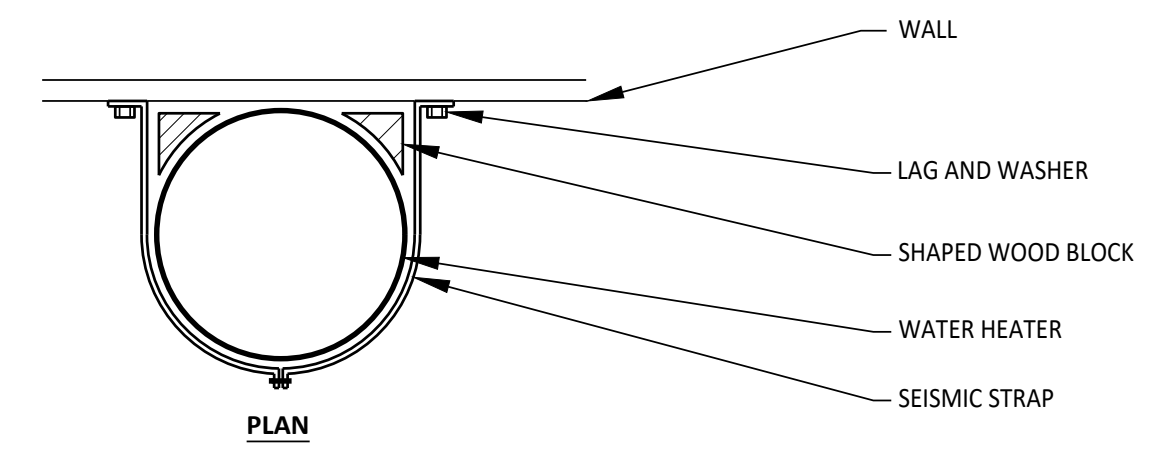
SHEET NAME:  
**ENLARGED  
 FIRST FLOOR  
 PLAN -  
 PLUMBING**  
 SHEET NO.:



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 Orange, CA 92668  
 20220484 North Harbor District Warm Water Heating and Domestic Water Heating System  
 22 Lower Ragsdale Dr., Suite A  
 Monterey, California 93940-5788  
 PH: (831) 649-8000  
 FX: (831) 649-8038  
 WWW.AXIOMENGINEERS.COM



**2 GAS PIPING SCHEMATIC**  
SCALE: NONE



**1 GAS WATER HEATER SCHEMATIC**  
SCALE: NONE



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.P.N. NO.: 413-002-0003 & 51-000

JOB NO.  
**22084**

PRINT 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

SHEET NAME:  
**DETAILS - PLUMBING**

SHEET NO.:  
**P601**



PH: (831) 649-8000  
 FX: (831) 649-8038  
 WWW.AXIOMENGINEERS.COM  
 22 Lower Ragsdale Dr., Suite A  
 Monterey, California 93940-5788  
 AE Project #: 20220484

FILE NAME: P601

## GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. 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 WITH OTHER TRADES ON PROJECT.
- 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 ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECT'S PAINTING SECTION FOR REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- 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 SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
- ALL 120V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
- COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
- FROM ALL NEW FLUSH MOUNT PANELS, THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
- CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
- 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 WHERE POSSIBLE.
- WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
- 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 CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL GLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.
- 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 FINISHING 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 DUE TO ROUTING AS DIRECTED BY THE ARCHITECT WILL BE MADE.

## ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

	FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE		SECURITY DOOR CONTACTS		PANELBOARD - FLUSH MOUNTED		DETAIL NOTE REFERENCE SYMBOL. SEE ASSOCIATED NOTE ON SAME DETAIL.
	EMERGENCY OR NIGHT LIGHT		SECURITY MOTION DETECTOR		EQUIPMENT PANEL - FLUSH MOUNTED		DETAIL NUMBER DETAIL OR SECTION REFERENCE SHEET NUMBER
	STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE		CCTV CAMERA		EQUIPMENT PANEL - SURFACE MOUNTED		FEEDER DESIGNATION. SEE ASSOCIATED NOTE ON SAME DETAIL.
	LUMINAIRE - RECESSED - SEE SCHEDULE		SECURITY SYSTEM KEYPAD		METER W/ CURRENT TRANSFORMER	<b>ABBREVIATIONS</b>	
	RECESSED WALL WASHER		DOOR BELL PUSHBUTTON		JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES.	A	AMPERE
	LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE		DOOR CHIME WITH LED		MOTOR CONNECTION	AF	ABOVE FINISHED FLOOR
	LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE		RECEPTACLE - DUPLEX *		NON-FUSED DISCONNECT SWITCH	AL	ALUMINUM
	LUMINAIRE - WALL MOUNTED SEE SCHEDULE		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		FUSED DISCONNECT SWITCH, FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA	AR	ARCHITECT
	BOLLARD OR PATH LIGHT - SEE SCHEDULE		GFCI CONVENIENCE RECEPTACLE - DUPLEX*		FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA	AW	AMERICAN WIRE GAUGE
	EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE		GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED	BK	BREAKER
	TRACK LIGHTING - SEE SCHEDULE		HALF SWITCHED DUPLEX RECEPTACLE *		CIRCUIT BREAKER	C	CONDUIT
	EMERGENCY LIGHT		SINGLE RECEPTACLE *		CABLE TV	CB	CIRCUIT BREAKER
	DIGITAL DUAL TECHNOLOGY OCC SENSOR		DUPLEX RECEPTACLE - CEILING MOUNTED		CLOSED CIRCUIT TV	CCTV	CIRCUIT TV
	LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED		LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *		CENTER LINE	CL	CENTER LINE
	DIMMER ROOM CONTROLLER		LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *		CONDUIT ONLY - CEILING	CLG	CEILING
	PLUG LOAD CONTROLLER		FLOOR MOUNTED DUPLEX RECEPTACLE		GROUND ROD WITH GROUNDWELL BOX	GR	GROUND
	ROOM LIGHTING CONTROLLER		POWER OUTLET - SEE PLANS FOR NEMA TYPE *		NORMALLY OPEN CONTACT	NO	NORMALLY OPEN CONTACT
	LIGHTING CONTROL PANEL		POWER POLE		NORMALLY CLOSED CONTACT	NC	NORMALLY CLOSED CONTACT
	DIGITAL DAYLIGHT SENSOR		WALL TELEPHONE OUTLET **		TRANSFORMER - SEE SINGLE LINE FOR SIZE	TR	TRANSFORMER
	SINGLE POLE SWITCH **		VOICE/DATA WALL OUTLET *		PULL BOX	PB	PULL BOX
	SINGLE POLE SWITCH **, a = CIRCUIT CONTROLLED		VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		ERMS	ERMS	ERMS
	THREE WAY SWITCH **		SURFACE MOUNTED VOICE/DATA WALL OUTLET *		FLEX CONDUIT WITH CONNECTION	FC	FLEX CONDUIT WITH CONNECTION
	FOUR WAY SWITCH **		SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		CONDUIT - UP	U	CONDUIT - UP
	MANUAL MOTOR STARTER		WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT		CONDUIT - DOWN	D	CONDUIT - DOWN
	KEY OPERATED SWITCH **		WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED		CONDUIT EMERGENCY SYSTEM	E	CONDUIT EMERGENCY SYSTEM
	LIGHTING DIMMER **		WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT		LOW VOLTAGE WIRING	LV	LOW VOLTAGE WIRING
	DIGITAL ON/OFF SWITCH **		TV OUTLET *		SURFACE METAL OR NON-METALLIC RACEWAY	SM	SURFACE METAL OR NON-METALLIC RACEWAY
	DIGITAL DIMMER SWITCH **		VOICE/DATA OUTLET - CEILING MOUNTED		CONDUIT - CONCEALED IN WALLS OR CEILING	CC	CONDUIT - CONCEALED IN WALLS OR CEILING
	DIGITAL MULTI SCENE LIGHTING SWITCH **		INTERIOR SPEAKERS CEILING MOUNTED		CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4" MIN.	CB	CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4" MIN.
	DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **		INTERIOR SPEAKERS WALL MOUNTED		CAPPED OR STUB-OUT CONDUIT	CS	CAPPED OR STUB-OUT CONDUIT
	WALL OCCUPANCY SENSOR **		VOICE/DATA OUTLET - FLOOR MOUNTED		CONDUIT CONTINUATION	CC	CONDUIT CONTINUATION
	DOUBLE SWITCHED WALL OCCUPANCY SENSOR **		VOICE/DATA OUTLET - FLOOR MOUNTED		CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.	HR	CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **		INTERIOR SPEAKERS WALL MOUNTED		SHEET NOTE REFERENCE SYMBOL. SEE ASSOCIATED NOTE ON SAME SHEET	SN	SHEET NOTE REFERENCE SYMBOL. SEE ASSOCIATED NOTE ON SAME SHEET
	2 BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **		CLOCK *8-0' AFF U.O.N. VERIFY BEFORE INSTALLATION		SCHEDULE SYMBOL. SEE ASSOCIATED NOTE ON SAME SHEET	SC	SCHEDULE SYMBOL. SEE ASSOCIATED NOTE ON SAME SHEET

## LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MANUFACTURER
A	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
B	4" x 2" WALL MOUNT DIRECT/INDIRECT LED LIGHT FIXTURE, 80 UPLIGHT ENGINE, 80 DOWNLIGHT ENGINE, 3500 *K FLUSH UPLIGHT DIFFUSER ALUMINUM HOUSING, SC SINGLE CIRCUIT ELECTRONIC 0-10V DIMMING DRIVER, 120V.	28W LED	FINELITE HP-2WM-ID
C	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 SEMBRA SERIES
F	14" W 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"-0L 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
H	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	ODS LIGHTING HANLEY PENDANT

## APPLICABLE CODES & STANDARDS

- CODES:**
- 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.
  - 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.
  - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
  - 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
  - TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
  - NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
  - COUNTY OF MONTEREY ORDINANCES, CODES, AND REGULATIONS.
- STANDARDS:**
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
  - ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
  - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
  - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
  - NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
  - UNDERWRITER LABORATORIES (UL)
  - CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

## SHEET INDEX

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E0.2	CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING INTERIOR).
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.
E5.2	SECOND FLOOR & CLERESTORY - LIGHTING PLANS
E6.1	ELECTRICAL DETAILS.
E6.2	ELECTRICAL DETAILS.
E7.1	ELECTRICAL SPECIFICATIONS.
E7.2	ELECTRICAL SPECIFICATIONS.





PHENOLIC LABELS FOR ELECTRICAL SERVICE EQUIPMENT						
COLOR	SIZE	LINE 1	LINE 2	LINE 3	LINE 4	
WHITE	1.5"X6"	PANEL "T1M"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND	
WHITE	1.5"X6"	PANEL "T2M"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND	
WHITE	1.5"X6"	PANEL "T1R"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND	
WHITE	1.5"X6"	PANEL "T2R"	150A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND	
WHITE	1.5"X6"	PANEL "H1"	225A, 120/240V, 3Ø, 4W	FED FROM MAIN SWITCHBOARD "MSB"	PROVIDE A LABEL PER NEC408.3(E)(1) CAUTION PHASE 'B' (STINGER LEG) HAS 240V TO GROUND	

### PANELBOARD SCHEDULES

PANEL T1R											
Voltage: 202/240V, 3ø			Wiring: 4W			Type: NEMA 1			Mounting: SURFACE		
Main: M.L.O.			A.I.C.: 42,000			Bussing: 225A			Test: BOTTOM		
Load	A	B	C	Brk	Ck	abc	Ck	Brk	A	B	C
1ST FLOOR RECEPT.	720			201	1	2	201	300			
STINGER LEG				201	3	4	201				
1ST FLOOR RECEPT.		720		201	5	6	201	500	500		
STINGER LEG				201	7	8	201				
1ST FLOOR RECEPT.	720			201	9	10	201				
STINGER LEG				201	11	12	201				
SPARE				201	13	14	201				
STINGER LEG				201	15	16	201				
SPARE				201	17	18	201				
STINGER LEG				201	19	20	201				
SPARE				201	21	22	201				
STINGER LEG				201	23	24	201				
SPARE				201	25	26	201				
STINGER LEG				201	27	28	201				
SPACE ONLY				201	29	30	201				
SPACE ONLY				201	31	32	201				
SPACE ONLY				201	33	34	201				
SPACE ONLY				201	35	36	201				
SPACE ONLY				201	37	38	201				
SPACE ONLY				201	39	40	201				
SPACE ONLY				201	41	42	201				
			1440	0	1440				800	0	500

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.  
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

KVA Phase A: 2.2  
KVA Phase B: 0.0  
KVA Phase C: 1.9  
Total Connected Load KVA: 4.2  
Total Load Amperes: 10

### PANEL T2R

PANEL T2R											
Voltage: 202/240V, 3ø			Wiring: 4W			Type: NEMA 1			Mounting: SURFACE		
Main: M.L.O.			A.I.C.: 42,000			Bussing: 225A			Test: BOTTOM		
Load	A	B	C	Brk	Ck	abc	Ck	Brk	A	B	C
END FLOOR RECEPT.	720			201	1	2	201	300			
STINGER LEG				201	3	4	201				
END FLOOR RECEPT.		720		201	5	6	201	500	500		
STINGER LEG				201	7	8	201				
END FLOOR RECEPT.	720			201	9	10	201				
STINGER LEG				201	11	12	201				
SPARE				201	13	14	201				
STINGER LEG				201	15	16	201				
SPARE				201	17	18	201				
STINGER LEG				201	19	20	201				
SPARE				201	21	22	201				
STINGER LEG				201	23	24	201				
SPARE				201	25	26	201				
STINGER LEG				201	27	28	201				
SPACE ONLY				201	29	30	201				
SPACE ONLY				201	31	32	201				
SPACE ONLY				201	33	34	201				
SPACE ONLY				201	35	36	201				
SPACE ONLY				201	37	38	201				
SPACE ONLY				201	39	40	201				
SPACE ONLY				201	41	42	201				
			1440	0	720				800	0	500

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.  
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

KVA Phase A: 2.2  
KVA Phase B: 0.0  
KVA Phase C: 1.2  
Total Connected Load KVA: 3.5  
Total Load Amperes: 8

### PANEL T1M

PANEL T1M											
Voltage: 202/240V, 3ø			Wiring: 4W			Type: NEMA 1			Mounting: SURFACE		
Main: M.L.O.			A.I.C.: 42,000			Bussing: 225A			Test: BOTTOM		
Load	A	B	C	Brk	Ck	abc	Ck	Brk	A	B	C
F-1	1507			201	1	2	201	2427	2427		
STINGER LEG				201	3	4	303				
F-2		1507		201	5	6	201	2427	2427	2427	
STINGER LEG				201	7	8	201				
F-3	1507			201	9	10	303	2427	2427	2427	
STINGER LEG				201	11	12	201				
SPARE				201	13	14	201	2427			
STINGER LEG				201	15	16	303	2427	2427		
SPARE				201	17	18	201				
STINGER LEG				201	19	20	201			2427	
SPARE				201	21	22	201				
STINGER LEG				201	23	24	201				
SPARE				201	25	26	201				
STINGER LEG				201	27	28	201				
SPACE ONLY				201	29	30	201				
SPACE ONLY				201	31	32	201				
SPACE ONLY				201	33	34	201				
SPACE ONLY				201	35	36	201				
SPACE ONLY				201	37	38	201				
SPACE ONLY				201	39	40	201				
SPACE ONLY				201	41	42	201				
			3174	0	1507				7261	7261	7261

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.  
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

KVA Phase A: 10.5  
KVA Phase B: 7.3  
KVA Phase C: 8.9  
Total Connected Load KVA: 26.6  
Total Load Amperes: 64

### PANEL T2M

PANEL T2M											
Voltage: 202/240V, 3ø			Wiring: 4W			Type: NEMA 1			Mounting: SURFACE		
Main: M.L.O.			A.I.C.: 42,000			Bussing: 225A			Test: BOTTOM		
Load	A	B	C	Brk	Ck	abc	Ck	Brk	A	B	C
F-4	1507			201	1	2	201	2427	2427		
STINGER LEG				201	3	4	303				
F-5		1507		201	5	6	201	2427	2427	2427	
STINGER LEG				201	7	8	201				
F-6	1507			201	9	10	303	2427	2427	2427	
STINGER LEG				201	11	12	201				
SPARE				201	13	14	201	2427			
STINGER LEG				201	15	16	303	2427	2427		
SPARE				201	17	18	201				
STINGER LEG				201	19	20	201			2427	
SPARE				201	21	22	201				
STINGER LEG				201	23	24	201				
SPARE				201	25	26	201				
STINGER LEG				201	27	28	201				
SPACE ONLY				201	29	30	201				
SPACE ONLY				201	31	32	201				
SPACE ONLY				201	33	34	201				
SPACE ONLY				201	35	36	201				
SPACE ONLY				201	37	38	201				
SPACE ONLY				201	39	40	201				
SPACE ONLY				201	41	42	201				
			3174	0	1507				7261	7261	7261

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.  
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

KVA Phase A: 10.5  
KVA Phase B: 7.3  
KVA Phase C: 8.9  
Total Connected Load KVA: 26.6  
Total Load Amperes: 64

### (E) PANEL H

(E) PANEL H											
Voltage: 202/240V, 3ø			Wiring: 4W			Type: NEMA 1			Mounting: SURFACE		
Main: M.L.O.			A.I.C.: 42,000			Bussing: 225A			Test: BOTTOM		
Load	A	B	C	Brk	Ck	abc	Ck	Brk	A	B	C
LTG - SITE	675			201	1	2	201	1000	1000		
STINGER LEG				201	3	4	303				
LTG - SITE		675		201	5	6	201	1000	1000	1000	
STINGER LEG				201	7	8	201	360			
LTG - SITE	660			201	9	10	201				
STINGER LEG				201	11	12	201	160			
LTG - SITE		360		201	13	14	201				
STINGER LEG				201	15	16	201				
LTG - SITE	667			201	17	18	201	500			
STINGER LEG				201	19	20	201				
LTG - SITE		30		201	21	22	201	300			
STINGER LEG				201	23	24	201				
LTG - SITE	540			201	25	26	201	429	114		
STINGER LEG				201	27	28	201				
LTG - SITE		500		201	29	30	201	540			
STINGER LEG				201	31	32	201	246			
LTG - SITE				201	33	34	201				
STINGER LEG				201	35	36	201				
LTG - SITE	360			201	37	38	201	166			
STINGER LEG				201	39	40	201				
LTG - SITE		360		201	41	42	201				
STINGER LEG											







**SHEET NOTES**

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

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**NORTH HARBOR BUILDING WARM SHELL**

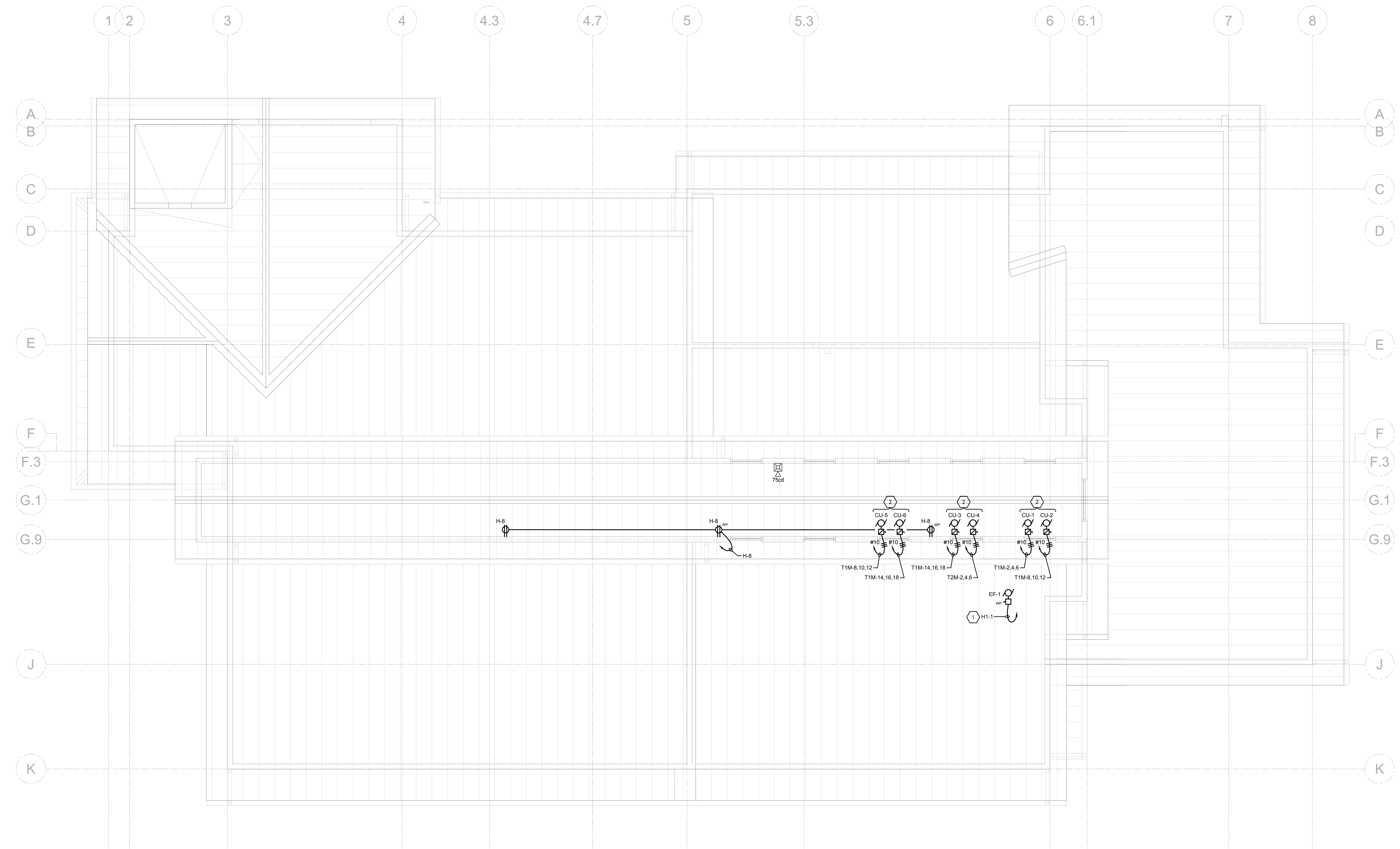
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JOB NO. 22084  
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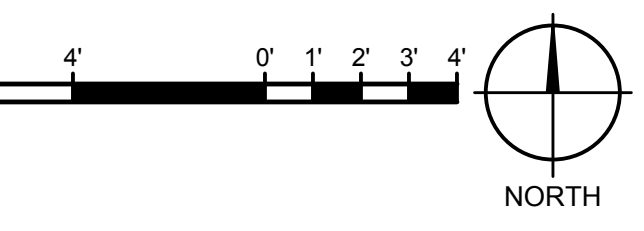
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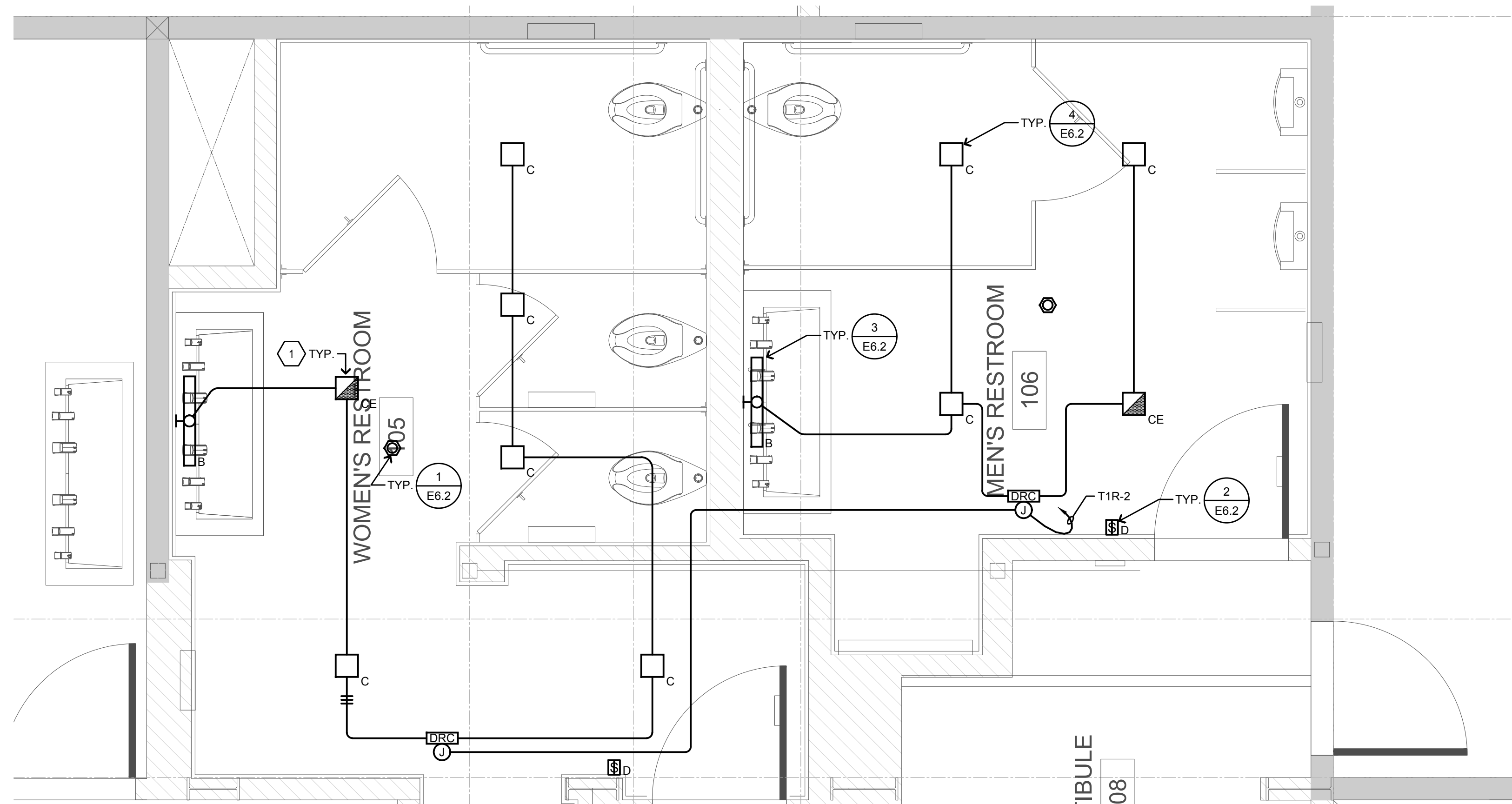
SHEET NAME:  
 CLERESTORY - POWER & SYSTEMS PLAN

SHEET NO.:  
**E4.3**  
 FILE NAME:



**1 CLERESTORY - POWER & SYSTEMS PLAN**  
 SCALE: 1/4"=1'-0"





**2 FIRST FLOOR - LIGHTING PLAN**  
SCALE: 1/2"=1'-0"

**GENERAL NOTE:**  
SEE SHEET E6.2 FOR LIGHTING CONTROLS AND SEQUENCE OF OPERATION.

- SHEET NOTES**
1. CONNECT E/EM FIXTURE WITH AN ADDITIONAL UNSWITCHED HOT.
  2. CONNECT TO (E) CIRCUIT.
  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.
  5. LIGHT FIXTURE SHALL BE PERMANENTLY UNSWITCHED.
  6. NEW LOCATION OF RELOCATED LIGHT FIXTURE.
  7. DISCONNECT & REMOVE EXISTING LIGHT. RELOCATE TO MECHANICAL ROOM #110.
  8. RELOCATE, CENTER LIGHT FIXTURE IN ROOM SPACE.
  9. REFER TO SHEET E5.2 FOR LIGHT FIXTURE LOCATION.
  10. RELOCATE (E), EXTEND (E) CONDUIT & CIRCUIT AS NEEDED.

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A.P.N. NO.: 413-002-0003 & 51000

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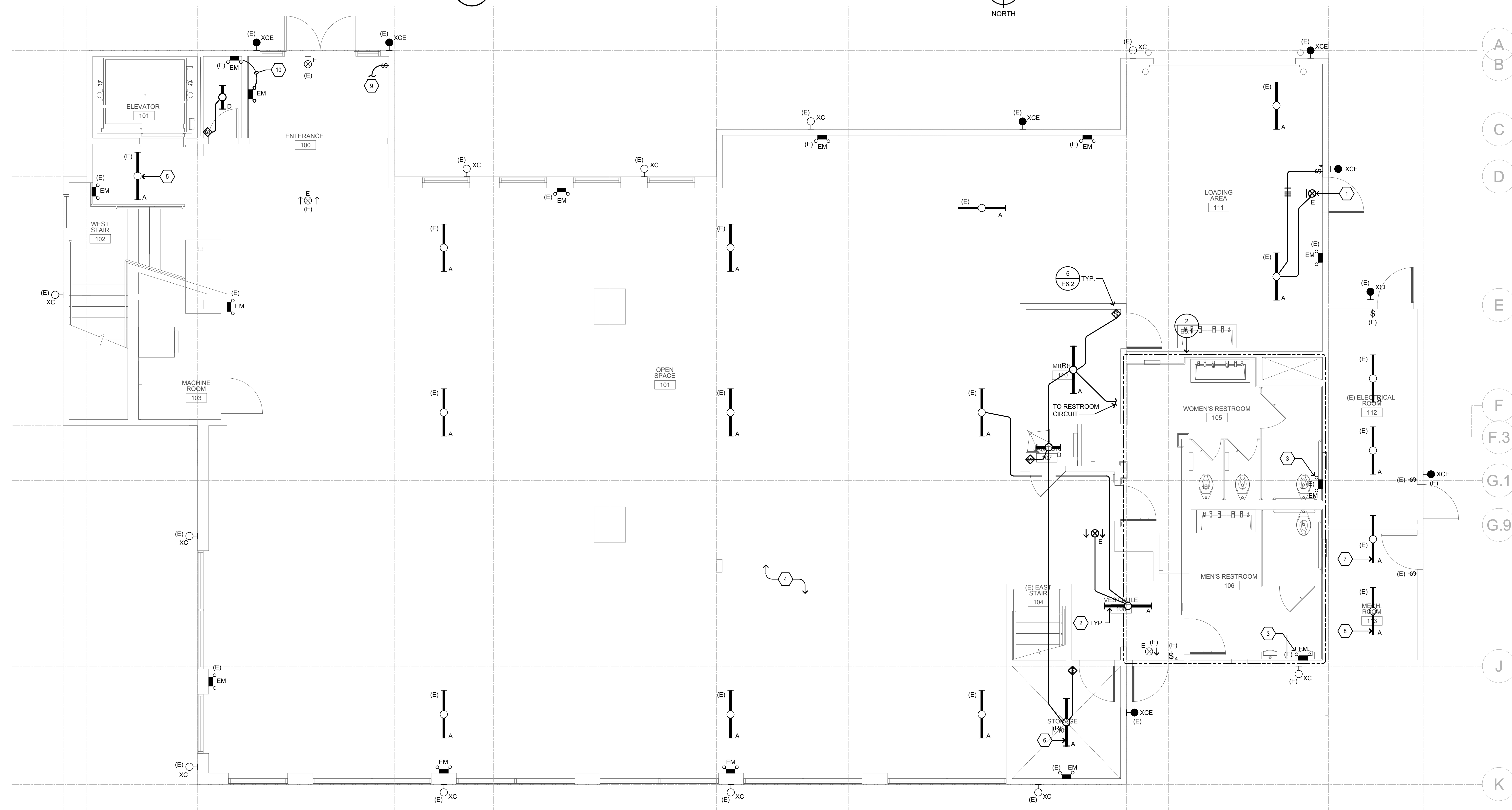
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BACK CHECK SUBMITTAL: 7/10/23  
BID SET: 10/1/23

SHEET NAME:  
**FIRST FLOOR - LIGHTING PLAN**

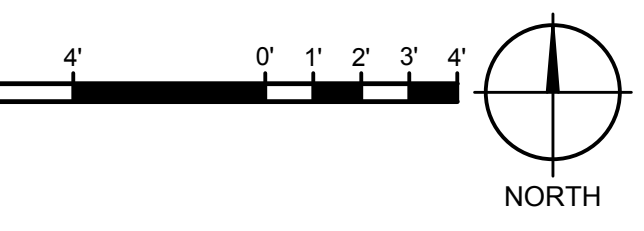
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**E5.1**

FILE NAME:



**1 FIRST FLOOR - LIGHTING PLAN**  
SCALE: 1/4"=1'-0"



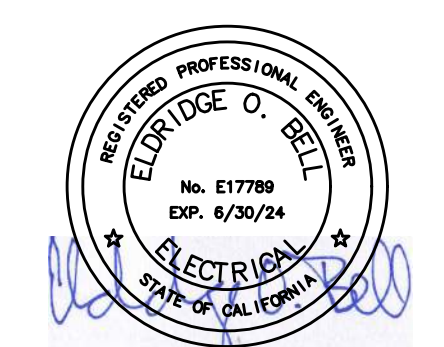
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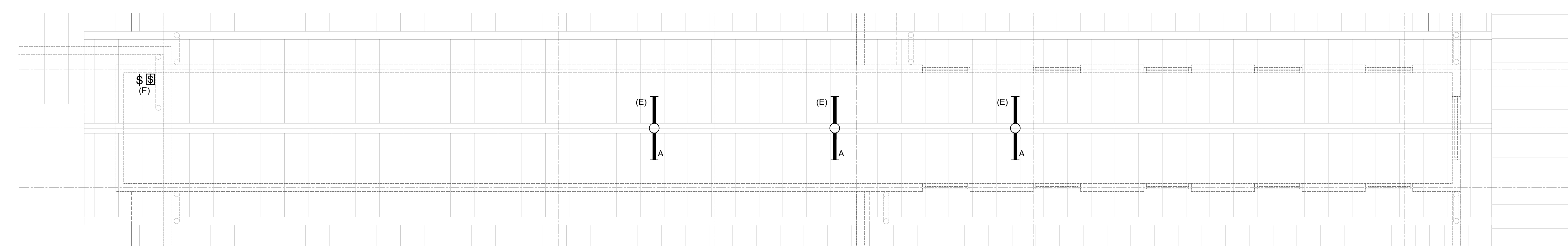
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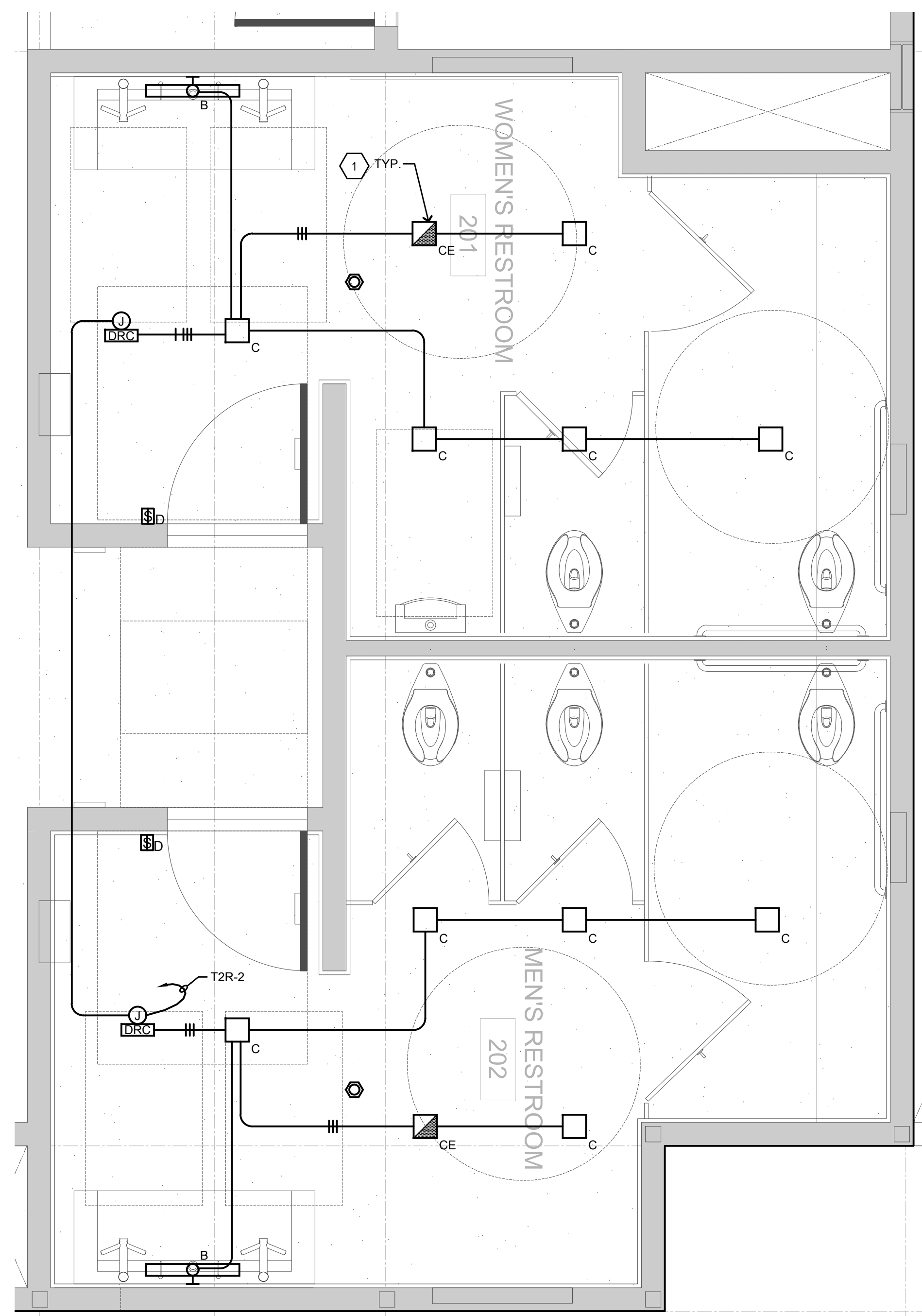
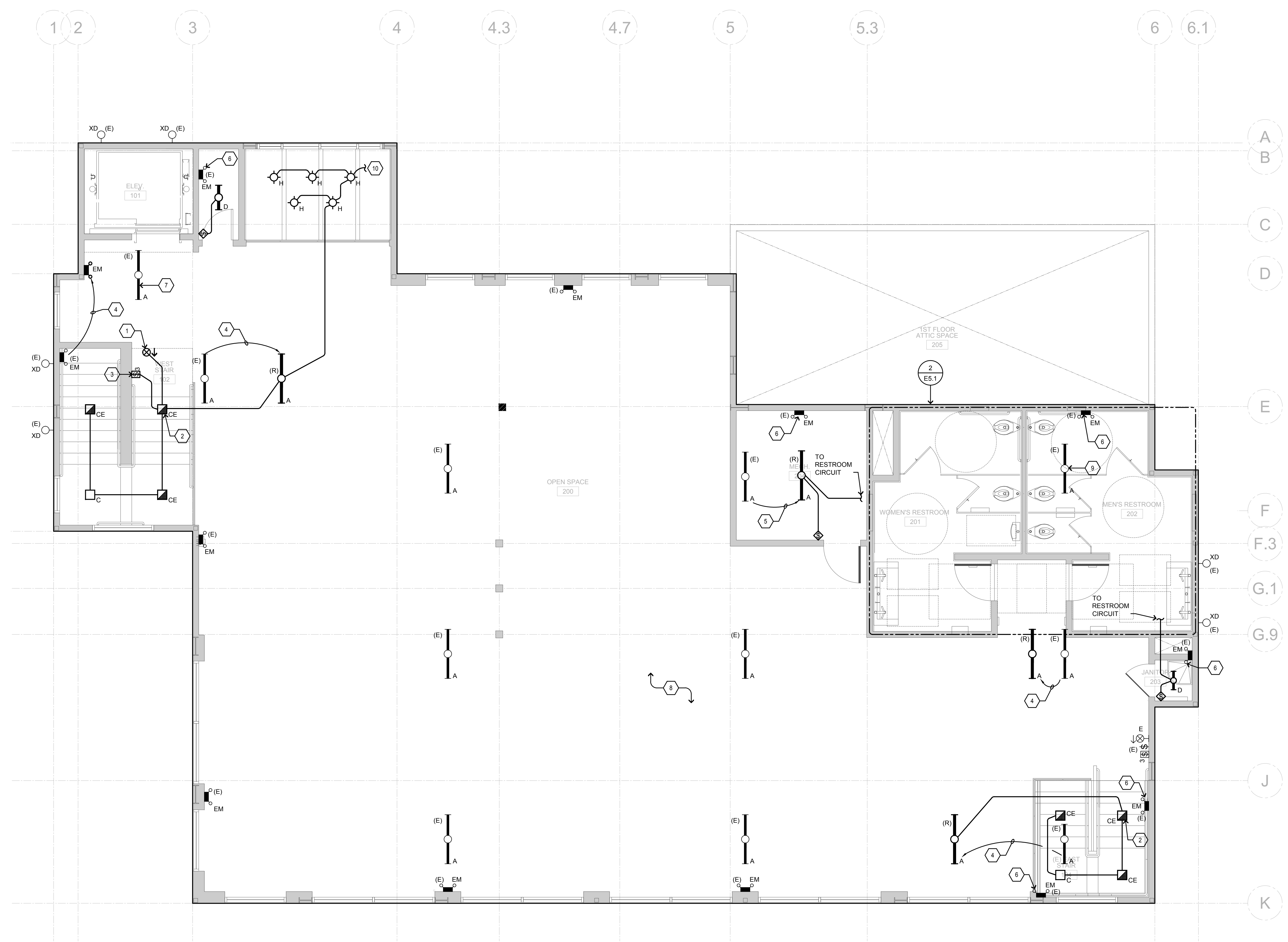
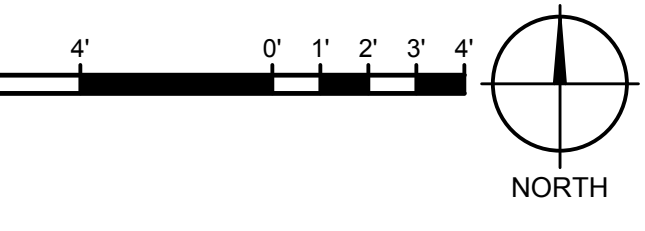
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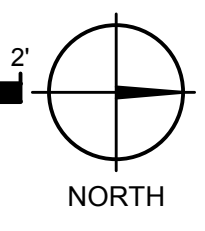
SHEET NAME: SECOND FLOOR & CLERESTORY - LIGHTING PLANS  
 SHEET NO.: E5.2  
 FILE NAME:



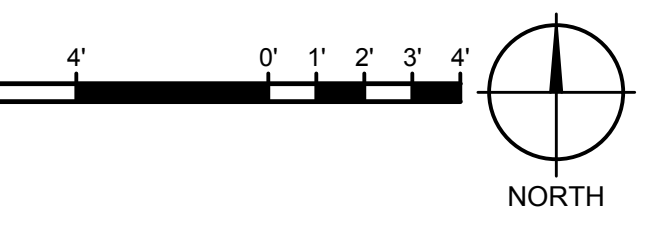
**3 EXISTING CLERESTORY - LIGHTING PLAN**  
 SCALE: 1/4"=1'-0"



**2 SECOND FLOOR - PARTIAL LIGHTING PLAN**  
 SCALE: 1/2"=1'-0"

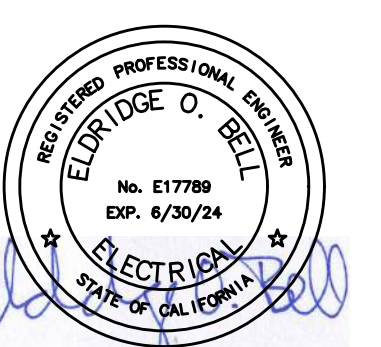


**1 SECOND FLOOR - LIGHTING PLAN**  
 SCALE: 1/4"=1'-0"



SHEET NO.: E5.2  
 FILE NAME:

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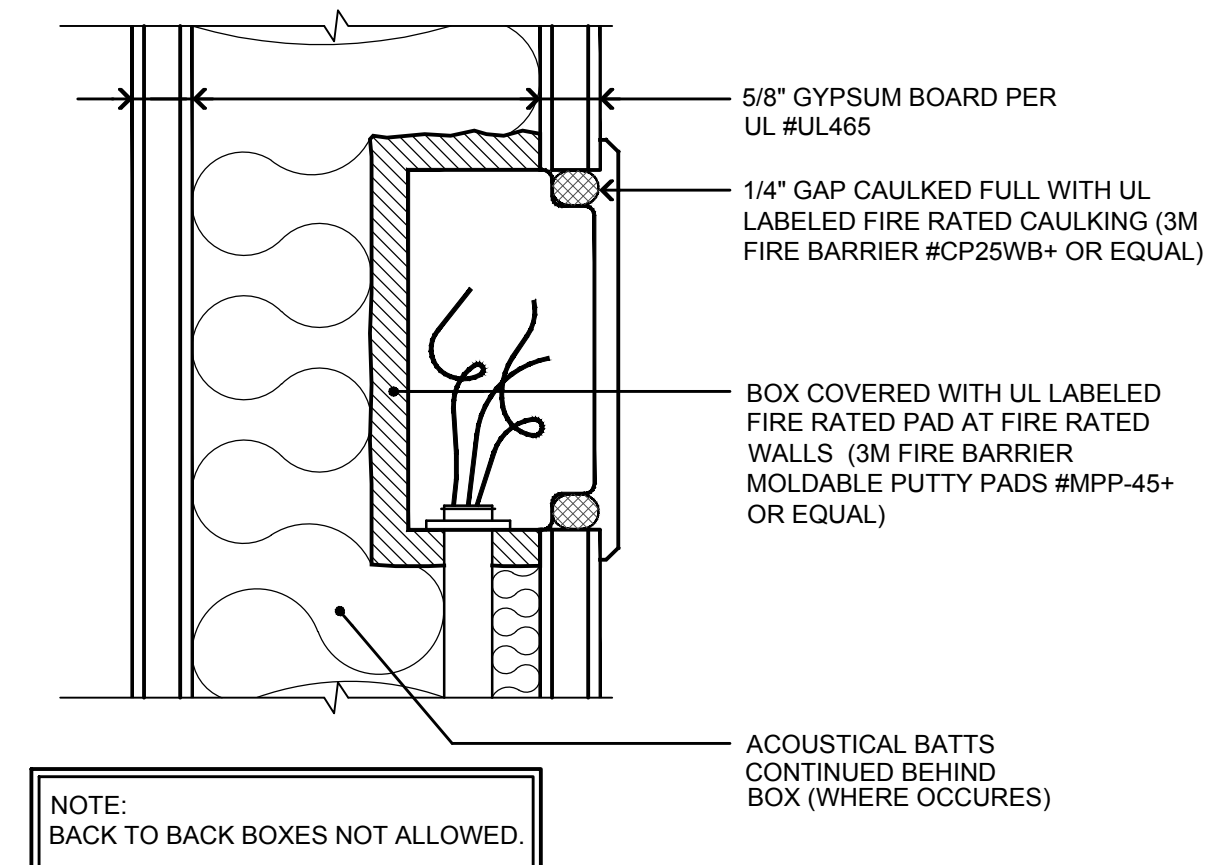
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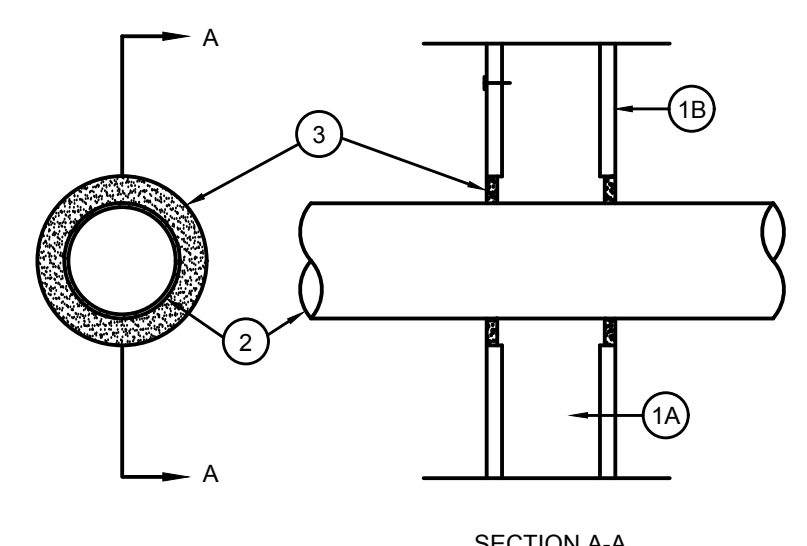
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SHEET NO.:  
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**6** OUTLET BOX FIRE CAULKING (TYP.)  
NO SCALE

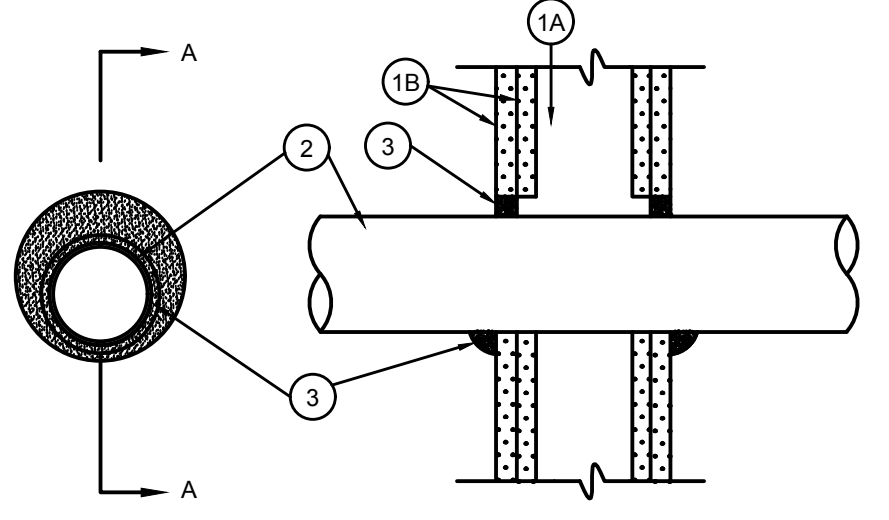
SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS  
U.L. System No. W-L-1062  
F Rating: 1 HR  
T Rating: 0 HR  
L Rating At Ambient-Less Than 1 CFM/sq ft  
L Rating At 400F-Less Than 1 CFM/sq ft



- Wall Assembly-The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
    - Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in OC. Steel studs to be min 3 5/8 in. wide and spaced max 24 in. OC.
    - Wallboard Gypsum\*-One Layer of nom 5/8 in. thick gypsum wallboard as specified in the individual Wall and Partition Design. Max diam of opening is 4 3/4 in.
  - Through Penetrants-One metallic conduit to be installed within the firestop system. The space between the conduit and periphery of opening shall be a min 1/4 in. to a max 3/8 in. Conduit to be rigidly supported on both sides of wall assembly. A nominal 4 in. diameter (or smaller) electrical metallic tubing or steel conduit may be used.
  - Fill, Void or Cavity Material\*-Caulk-Min 1 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.
- General Electric Co.-Penist 100 Caulk.  
Specified Technologies Inc.-Penist 100 Sealant and Penist 300 Sealant.  
\*Bearing the UL Classification Marking

**5** 1-HR FIRE-RATED WALL PENETRATION  
NO SCALE

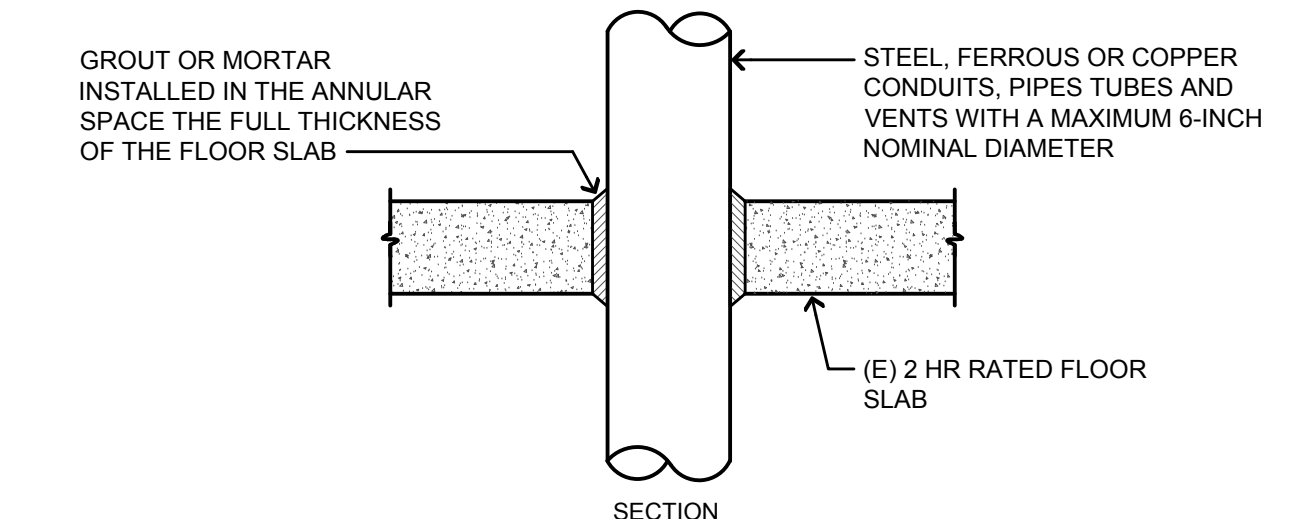
SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS  
U.L. System No. W-L-1049  
F Rating-1 and 2 Hr (See Item 1B)  
T Rating-0 HR  
L Rating At Ambient-Less Than 1 CFM/sq ft  
L Rating At 400F-Less Than 1 CFM/sq ft



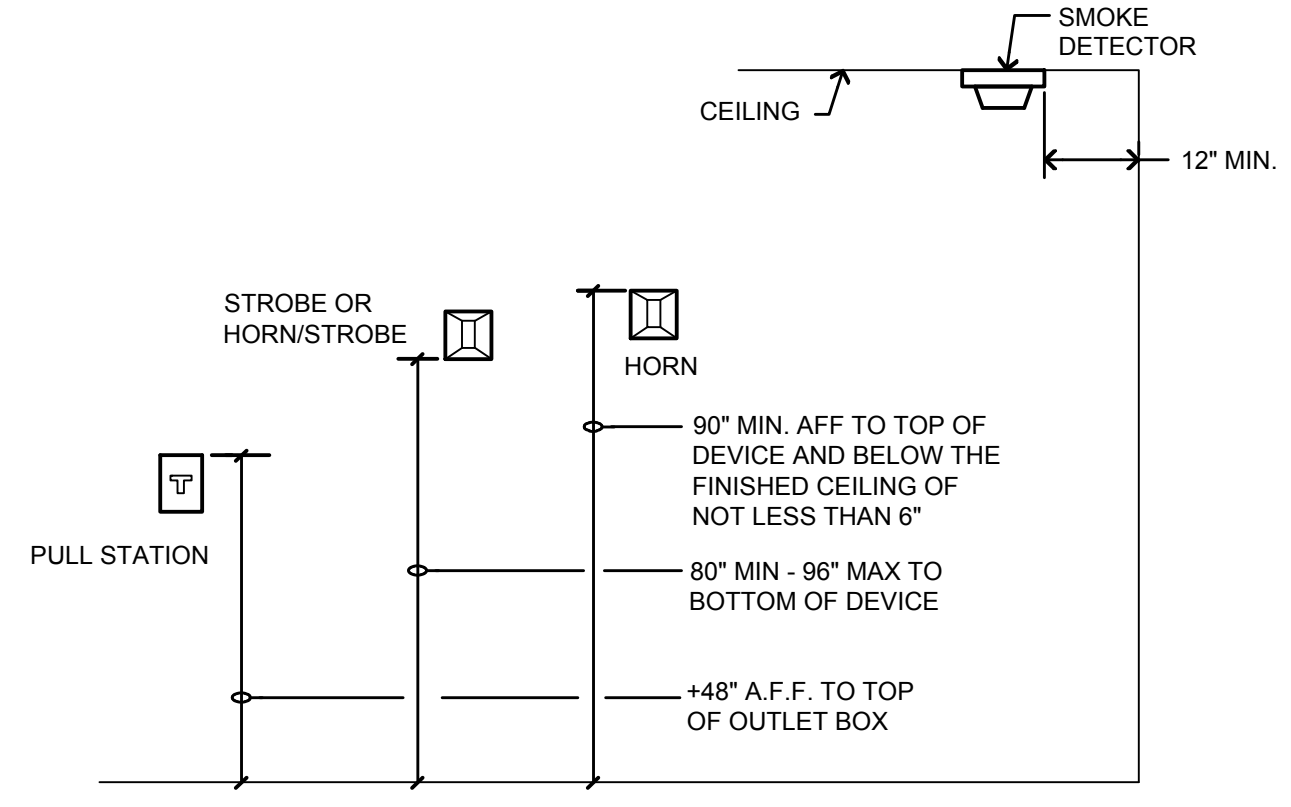
- Wall Assembly-The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
    - Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
    - Wallboard, Gypsum\*-5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 25-3/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
  - Through Penetrant-One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-3/4 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
    - Steel Pipe-Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
    - Iron Pipe-Nom 24 in. diam (or smaller) cast or ductile iron pipe.
    - Conduit-Nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) steel conduit or nom 1 in. diam (or smaller) flexible steel conduit.
    - Copper Tubing-Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
    - Copper Pipe-Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
  - Fill, Void or Cavity Material\*-Sealant-Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum wallboard and gypsum wallboard, a min 3/8 in. diam bead of fill material shall be applied at the gypsum wallboard/through penetrant interface on both surfaces of wall.
- Specified Technologies Inc.-SpecSeal 100, 101, 102 or 105 Sealant  
Bearing the UL Classification Marking

**4** 2-HR FIRE-RATED WALL PENETRATION  
NO SCALE

SEE FLOOR PLAN DRAWINGS FOR RATED FLOOR LOCATIONS  
FLOOR PENETRATION PER 2001 CALIFORNIA BUILDING CODE, VOLUME 1, SECTION 710.2.1 EXCEPTION 2.

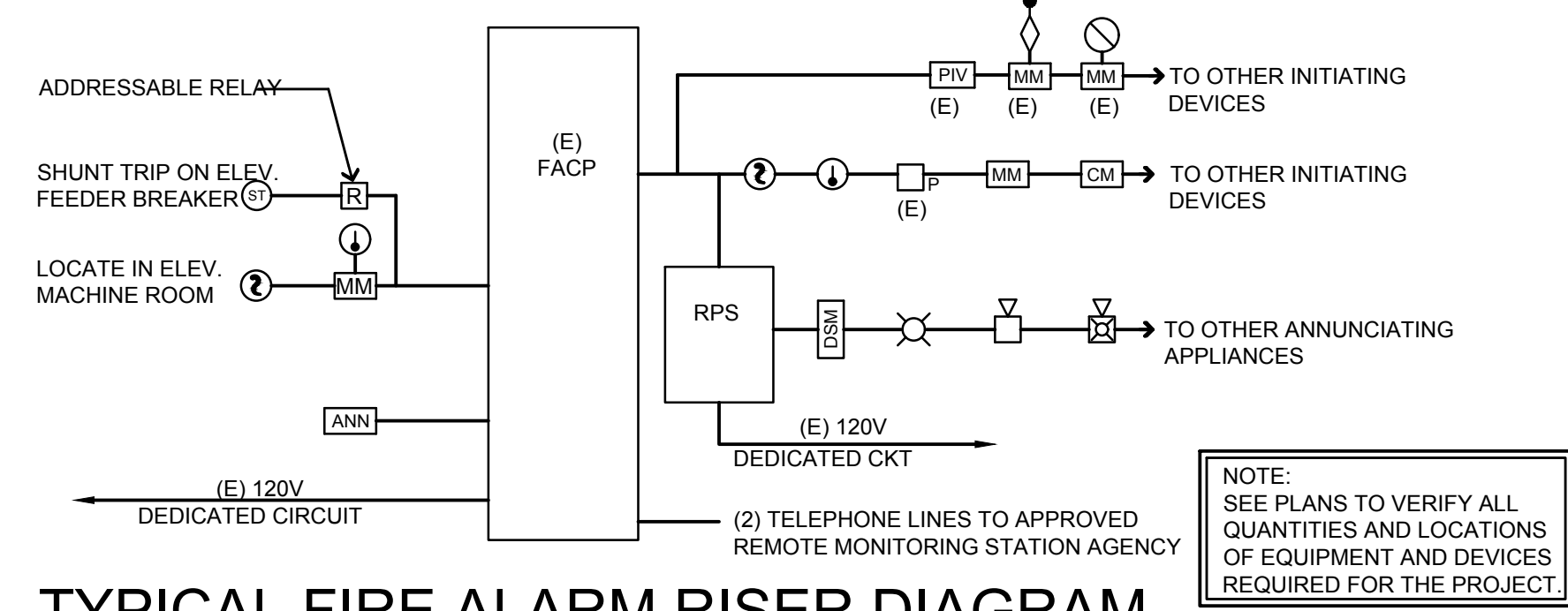


**3** 2-HR FIRE-RATED FLOOR PENETRATION  
NO SCALE

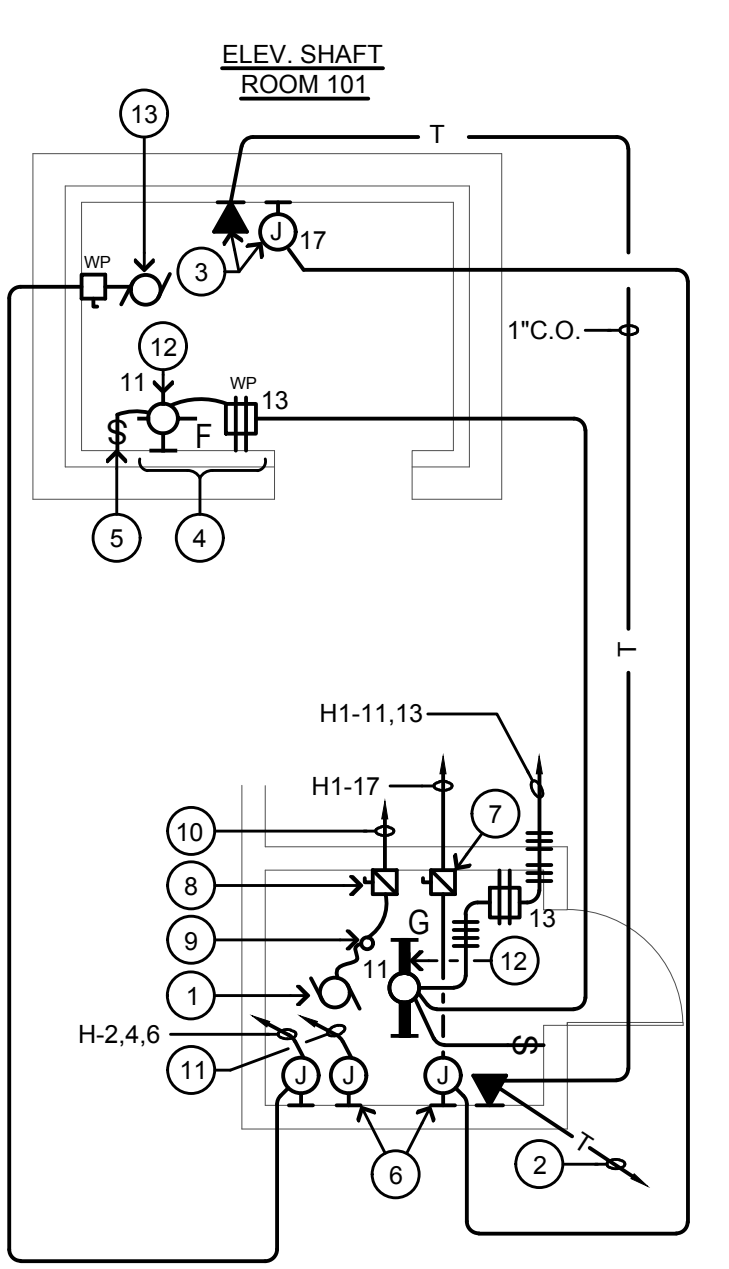


**2** FIRE ALARM DEVICE MOUNTING ELEVATION  
NO SCALE

- SCOPE OF WORK:**  
EXTEND EXISTING COMPLETE MANUAL ADDRESSABLE FIRE ALARM SYSTEM INCLUDING ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUITS, CONNECTIONS, PROGRAMMING, TESTING AND APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- SEQUENCE OF OPERATION OF THE FIRE ALARM SYSTEM:**
- ACTIVATION OF ANY INITIATING DEVICE SHALL CAUSE ALL SIGNALS IN BUILDING TO ACTIVATE AND SOUND AND SIMULTANEOUSLY CAUSE AN ALARM TO BE SENT TO THE REMOTE MONITORING AGENCY.
  - THE ADDRESS CORRESPONDING TO THE INITIATION DEVICE IN ALARM SHALL APPEAR ON FIRE ALARM CONTROL PANEL LCD SCREEN.
  - CLOSING THE FIRE ALARM SPRINKLER OS & Y VALVE SHALL INITIATE A TROUBLE INDICATION AT FIRE ALARM CONTROL PANEL AND MONITORING STATION.
  - SHOULD AN OPEN, GROUND OR SHORT OCCUR IN THE WIRING SYSTEM, FIRE ALARM CONTROL PANEL WILL DETECT MALFUNCTION AND INITIATE A TROUBLE ALARM INDICATOR AT PANEL AND MONITORING STATION.
  - ACTIVATION OF SMOKE DETECTOR ON TOP OF ELEV. SHAFT OR IN ELEV. MACHINE ROOM WILL CAUSE ELEV. RECALL TO ASSIGNED FLOOR.
  - ACTIVATION OF THE HEAT DETECTOR IN ELEVATOR EQUIPMENT ROOM WILL CAUSE CIRCUIT BREAKER FOR ELEVATOR POWER TO SHUNT TRIP. HEAT DETECTOR SHALL HAVE A LOWER RESPONSE TIME INDEX THAN SPRINKLER HEAD.
  - FIRE ALARM CONTRACTOR SHALL PROVIDE ALL ADDRESSABLE CONTROL RELAYS AND/OR CONTROL MODULES REQUIRED FOR ELEVATOR RECALL, ELEVATOR POWER SHUNT, FIREMAN'S HAT, ETC. CONTRACTOR SHALL VERIFY REQUIREMENTS WITH ELEVATOR CONTRACTOR.
  - ONCE THE SYSTEM IS BACK TO NORMAL, THE PANEL WILL REBOUND FOR PROPER RESETING.
- FIRE ALARM NOTES:**
- EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL, FIRE LITE #MS955 WITH COMMUNICATOR, INITIATING AND ANNUNCIATING DEVICES, CHARGER & BATTERIES.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS.
  - THE FIRE ALARM SYSTEM SHALL BE INSTALLED AS SPECIFIED IN ALL SECTIONS OF DIVISION 16 AND DIVISION 15, INCLUDING ALL OTHER WORK AND MISCELLANEOUS ITEMS NOT SPECIFICALLY MENTIONED BUT REASONABLY INFERRED FOR COMPLETE INSTALLATION.
  - ALL WIRE SHALL BE MINIMUM #12AWG FOR ANNUNCIATION CIRCUITS AND MINIMUM #16AWG TWISTED SHIELDED PAIR CABLE FOR INITIATING CIRCUITS. ALL WIRING SHALL BE ROUTED CONCEALED (INSTALLED IN CONDUIT).
  - SUBMIT COMPLETE FIRE ALARM SYSTEM PLANS INCLUDING RISER DIAGRAMS, BATTERY CALCS, VOLT DROP CALCS, WIRING DIAGRAMS, ETC. TO LOCAL FIRE AUTHORITY REVIEW AND APPROVAL PRIOR TO START OF INSTALLATION.
  - FINAL CONNECTIONS OF DEVICES AND EQUIPMENT SHALL BE BY A FIRE ALARM CONTRACTOR WHO PERFORMS SUCH WORK ON A REGULAR BASIS.
  - FINAL TESTING SHALL BE WITNESSED BY THE LOCAL FIRE AGENCY.
  - PROVIDE MANUALS AND MINIMUM 2-HOURS OPERATING INSTRUCTION TO OWNER.
  - PROVIDE BATTERY BACKUP FOR 24 HOURS OF STANDBY & 5 MINUTES OF ALARM.
  - RELAY SHALL BE PROVIDED FOR ELEVATOR RECALL, SMOKE DETECTORS IN LOBBIES SHALL BE PROGRAMMED FOR DESIGNATED AND ALTERNATE LEVEL PER LOCAL JURISDICTION.
  - RELAY SHALL BE PROVIDED FOR VISUAL WARNING IN ELEVATOR (FIREMAN'S HAT) ON ACTIVATION OF ELEVATOR MACHINE ROOM INITIATION DEVICES.
  - VERIFY COLOR (RED OR WHITE) OF NOTIFICATION APPLIANCES WITH ARCHITECT.



**1** TYPICAL FIRE ALARM RISER DIAGRAM  
NO SCALE

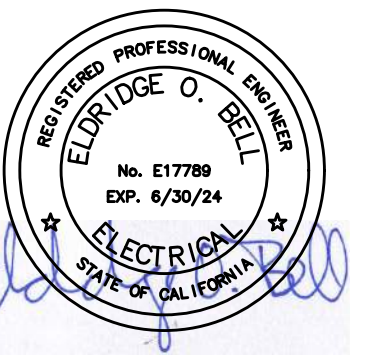


- DETAIL NOTES:**
- ELEVATOR MOTOR, SEE SINGLE LINE DIAGRAM.
  - 1\"/>

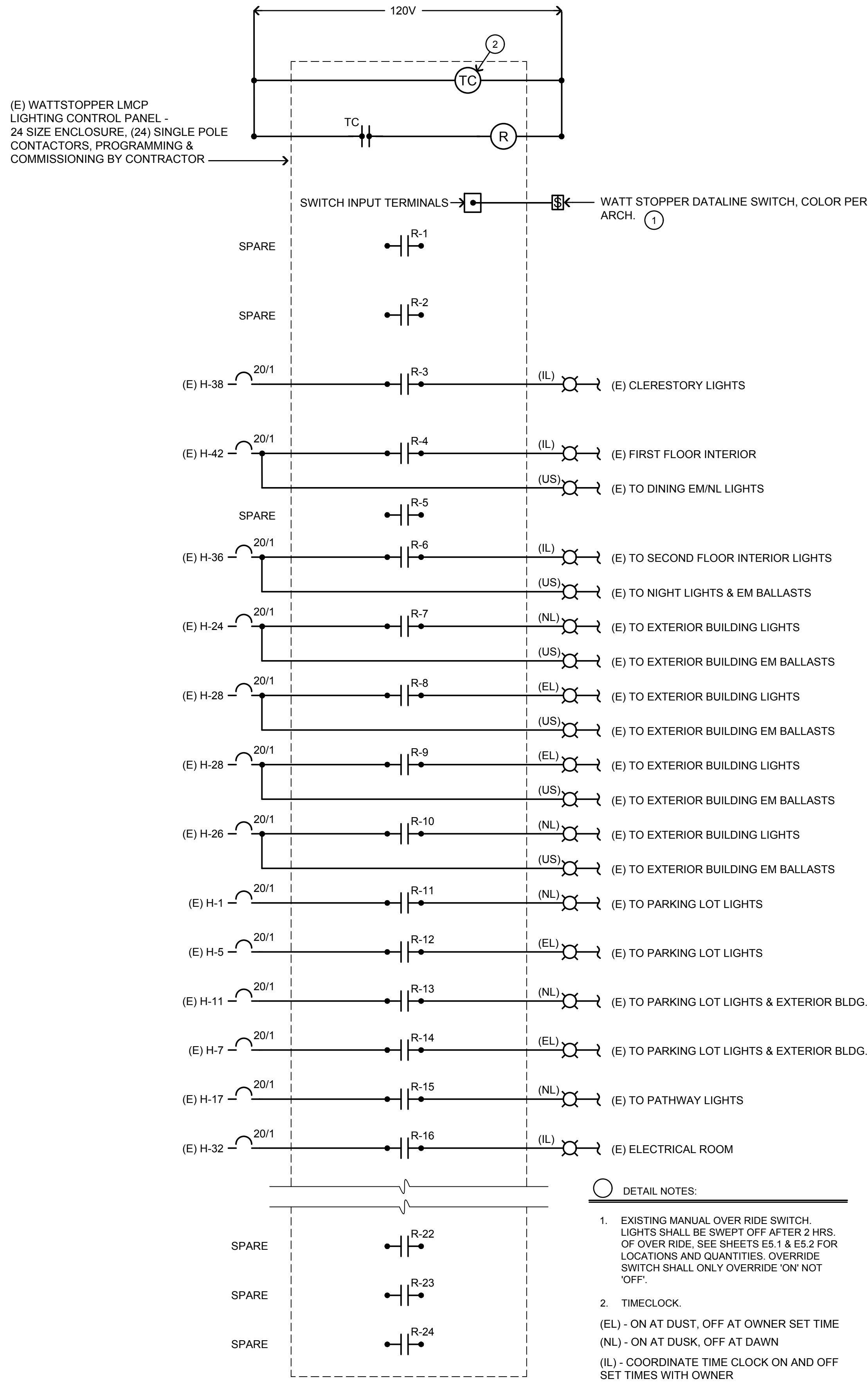
- GENERAL NOTES:**
- VERIFY EXACT LOCATION OF ALL OUTLETS, FIXTURES, DEVICES, ETC. WITH THE ELEVATOR MANUFACTURER PRIOR TO COMMENCEMENT OF WORK.
  - ALL DEVICES, OUTLETS, FIXTURES, BOXES, ETC. IN THE ELEVATOR SHAFT & PIT SHALL BE WEATHER PROOF.
  - ALL 125A DUPLEX RECEPTACLES INSTALLED IN PITS, MACHINE ROOMS OR MACHINERY SPACES SHALL BE GROUND-FAULT CIRCUIT INTERRUPTER.
  - ALL WIRING RELATED TO ELEVATOR EQUIPMENT SHALL BE IN CONDUIT.
  - CIRCUIT BREAKER SERVING ELEVATOR MOTOR/PUMP SHALL HAVE 120V SHUNT TRIP ACTIVATED BY SMOKE DETECTORS IN TOP OF SHAFT MACHINE ROOM OR MACHINE SPACES, U.O.N.]
  - LIGHTING FIXTURES SHALL NOT BE CONNECTED TO THE LOAD SIDE OF A GROUND-FAULT CIRCUIT INTERRUPTER

**7** TYPICAL ELEVATOR DETAIL  
NO SCALE

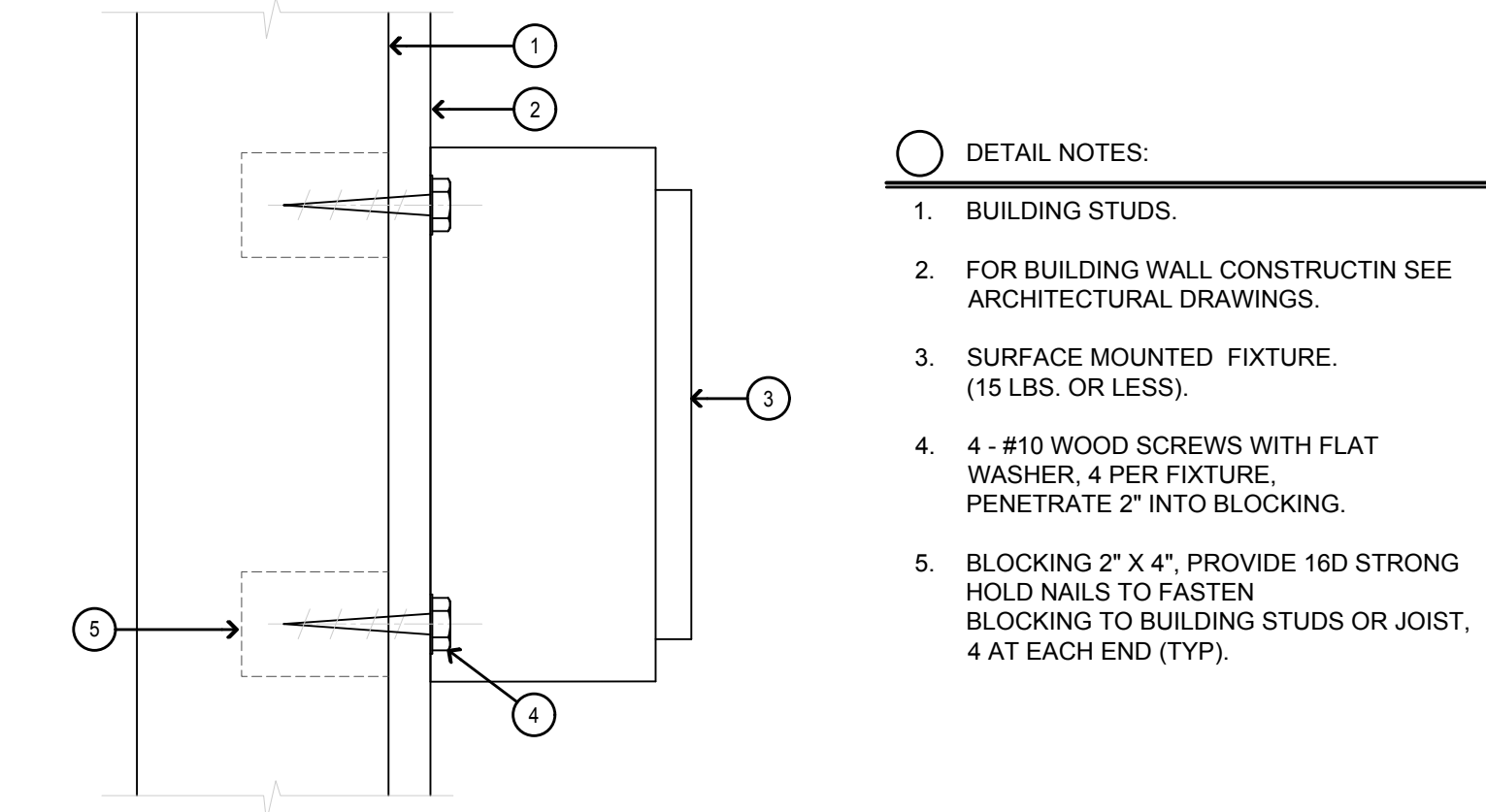
**7** TYPICAL ELEVATOR DETAIL  
NO SCALE



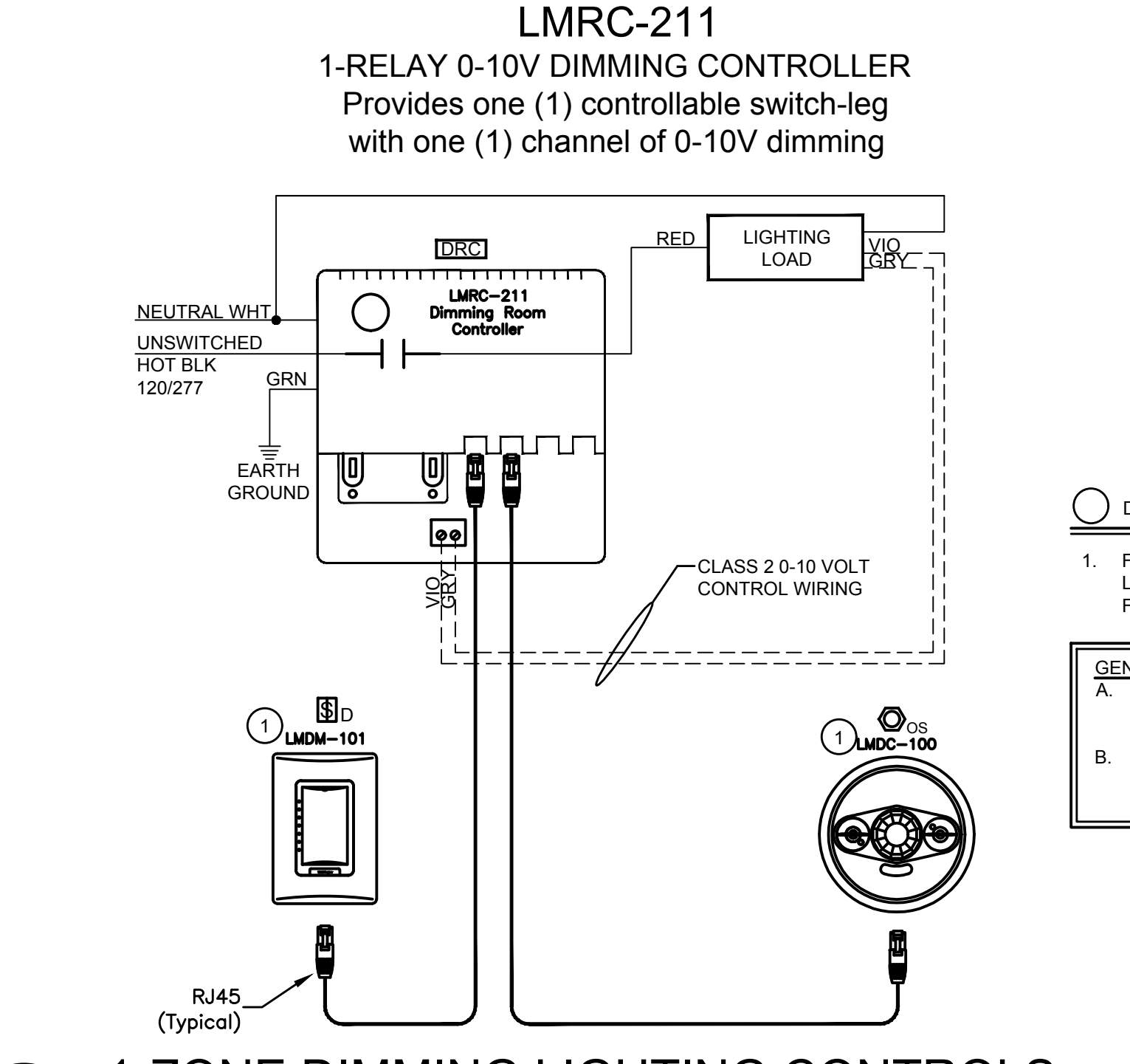
AURUM CONSULTING ENGINEERS  
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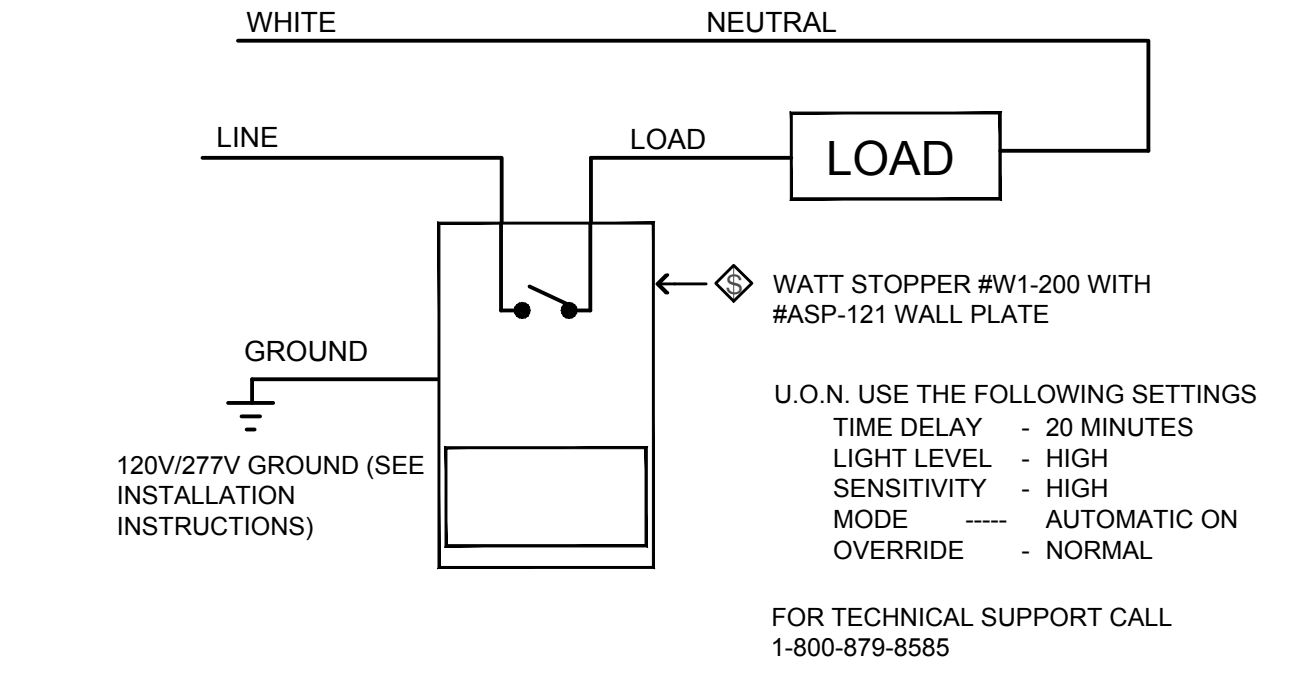
**6 LIGHTING CONTROL PANEL- FOR REFERENCE**  
NO SCALE



**3 SURFACE MOUNTED FIXTURE DETAIL**  
NO SCALE

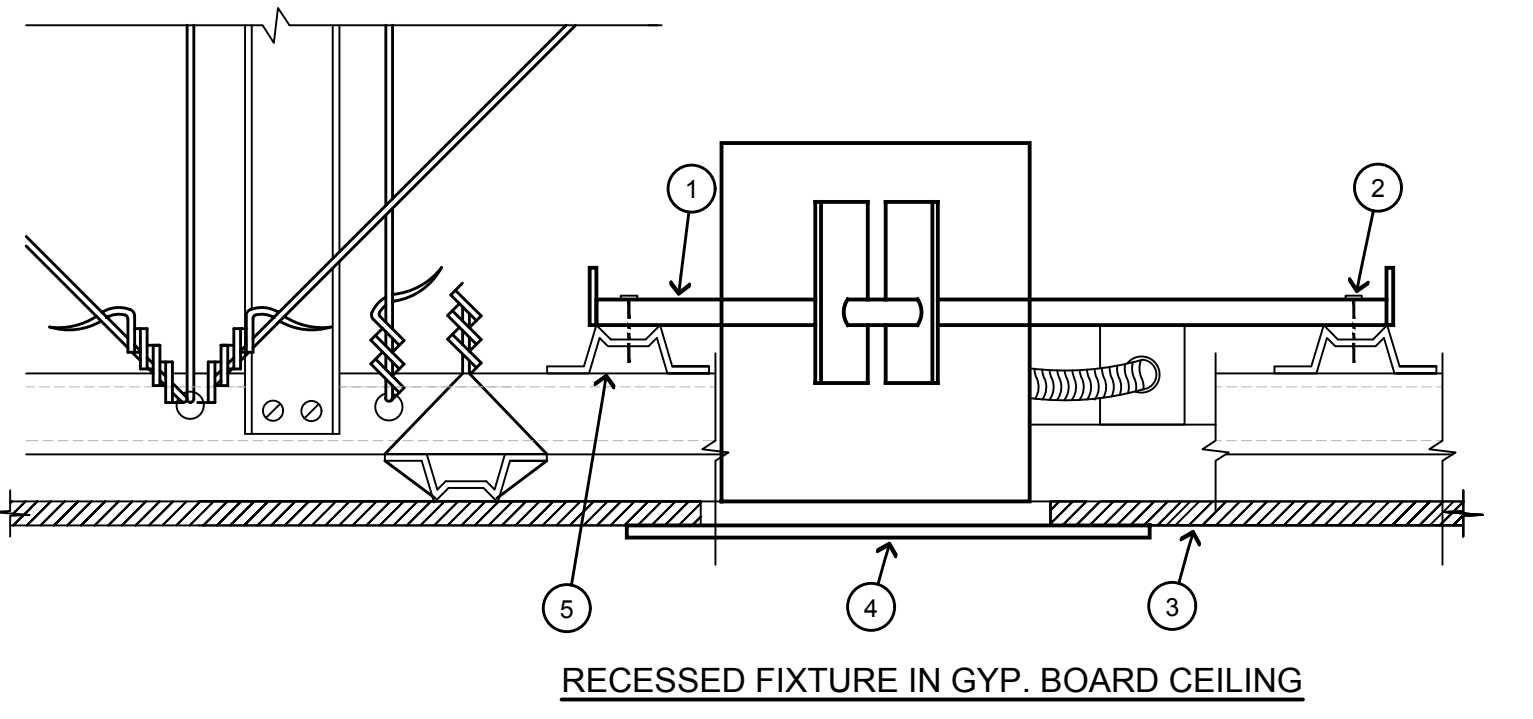


**2 1-ZONE DIMMING LIGHTING CONTROLS**  
NO SCALE

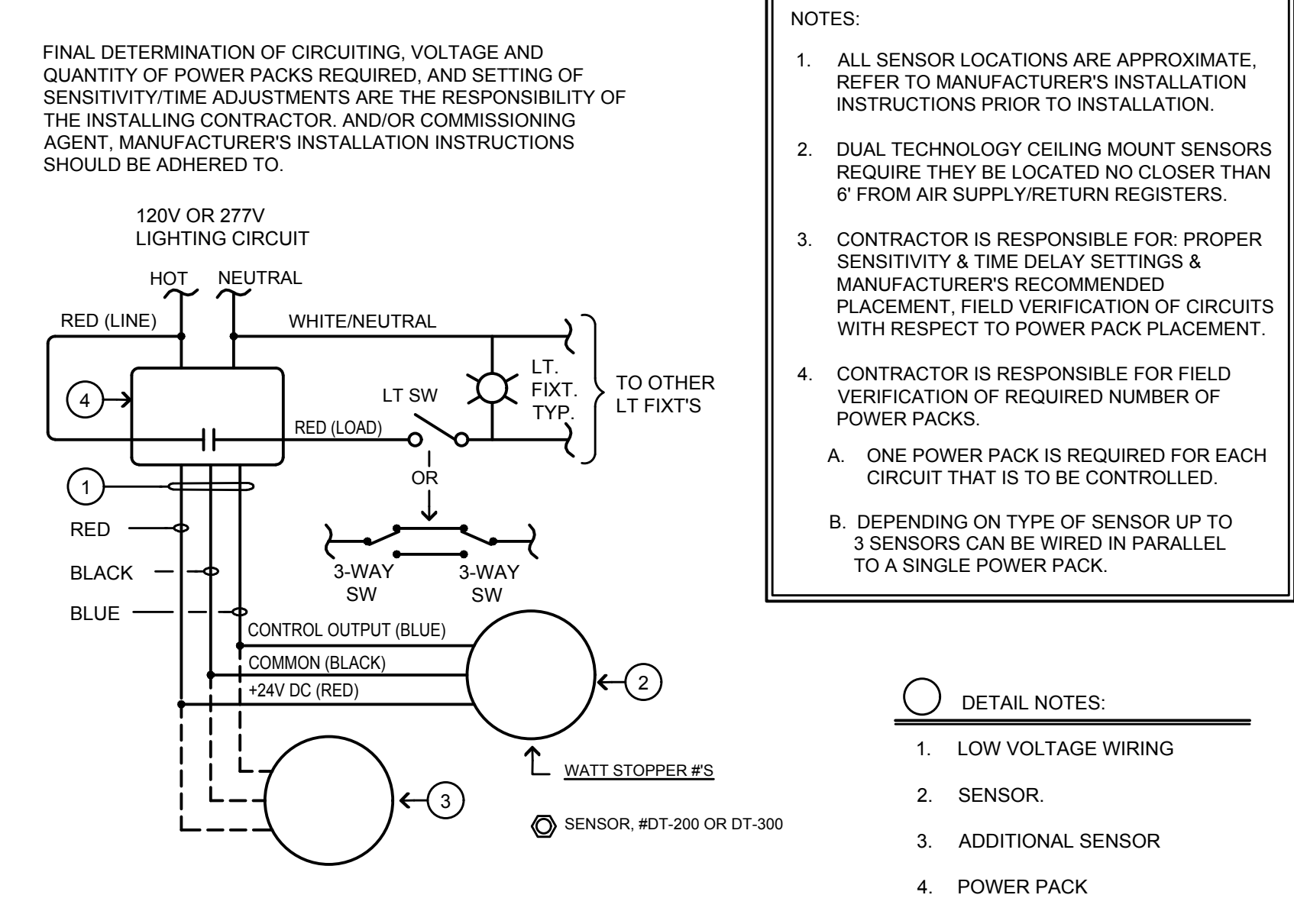


**5 WALL OCCUPANCY SENSOR WIRING**  
NO SCALE

- ① DETAIL NOTES:  
1. BAR HANGER FURNISHED WITH FIXTURE, (2) PER FIXTURE.  
2. #12 SELF-TAPPING SCREWS INTO HAT CHANNEL (4) FIXTURE.  
3. GYP. BOARD CEILING.  
4. LIGHT FIXTURE.  
5. 1/2" HAT CHANNELS 25 GAGE MIN. (COORDINATE WITH GENERAL CONTRACTOR TO ADD CHANNELS AT LIGHT FIXTURE MOUNTING LOCATIONS).



**4 FIXTURE MOUNTING DETAIL**  
NO SCALE



**1 OCCUPANCY SENSOR WIRING DIAGRAM**  
NO SCALE

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. - 413-002-0003 & 5)000

JOB NO.  
**22084**  
PRINT DATE:  
PLOT DATE: 7.18.2023  
DRAWN BY:  
CHECKED BY:  
SET ISSUED:

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

SECTION 16101

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.

- 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.

- 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).

- 1.05 Contract Documents:
A. Drawings and Specifications:
1. In the case of conflict between the drawings and specifications, the specifications shall take precedence.

- D. If a work area is encountered that contains hazardous materials, the contractor is advised to coordinate with the owner and it's attorney 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 of access panels shall be 14" x 14" in usable opening. Where access by a service person is required, minimum usable opening shall be 18" x 24".

- 1.13 Arc Flash:
A. The contractor shall install a clearly visible arc flash warning on 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.

PART 2 - PRODUCTS

- 2.01 Standard of Quality:
A. Products that are prohibited by manufacturer, trade name or catalog number establish a standard of quality and are not the subject of 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.

- 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.

- 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 items which has been damaged or repaired.

- C. The Electrical Contractor shall furnish and install the following for all mechanical and plumbing equipment:
1. Line voltage conduit and wiring.

- 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 of access panels shall be 14" x 14" in usable opening. Where access by a service person is required, minimum usable opening shall be 18" x 24".

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

PART 2 - PRODUCTS

- 2.01 Conduits, Raceways:
A. Electrical Metallic Tubing (EMT) shall be hot-dip galvanized after fabrication. Couplings shall be compression or set-screw type.

- 2.02 Conduit Supports:
A. Supports for individual conduits shall be galvanized malleable iron one-hole type with conduit back spacer.

- 2.03 Fittings:
A. Provide threaded-type couplings and connectors for rigid steel conduits; provide steel compression (watertight), or set-screw type for EMT, (lead-free zinc or malleable iron type fittings are not allowed). Provide threaded couplings and Meyer hubs for rigid steel conduit exposed to weather.

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.

- 3.02 Cable Terminations and Splices:
A. Splices - UL Listed wires.
B. Terminations - Splice comply with the following:
1. Make up and form cable and orient terminals to minimize cable strain and stress on device being terminated on.

- 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:
1. Phase A - Black

- 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.

- 3.05 Insulation Resistance Tests:
A. 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 50Vdc 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 electrical installations shown on the drawings, included in these Specifications, or otherwise needed for a complete and fully operating facility. The work shall include but not be limited to the following:
1. Furnish and install all required materials, supports and miscellaneous material for the satisfactory 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. 1610 General Electrical Requirements.

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 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.

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.

- 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.

- 3.03 Termination:
A. Manufacturer - Terminals as manufactured by T&B, Burdy 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-in-termination on the stranded conductor. Use only a stake-in tool approved for the fork terminals selected.
C. End Seals - Heat shrink plastic caps of proper size for the wire on which used.

- 3.04 Tape:
A. Tape used for terminations and cable marking shall be compatible with the insulation and jacket of the cable and shall be of plastic material.

SECTION 16140 DEVICES WIRING

PART 1 - GENERAL

- 1.01 Description of Work:
A. The work of this section consists of:
1. Furnishing, installing, and connecting all duplex receptacles complete with wall plates and/or covers, as shown on the Drawings.

- 1.02 Related Work:
A. See the following specification sections for work related to the work of this section:
1. 16110 Conduits, Raceways and Fittings.

- 1.03 Submittals:
A. As specified in Section 16101 and Division 1.
A. Submit manufacturers published descriptive literature properly marked to identify the items to be supplied.
B. A single complete submittal is required for all products covered by this Section.

PART 2 - PRODUCTS

- 2.01 Receptacles:
A. General - Receptacles shall be heavy duty, high abuse, grounding type.
B. Duplex Receptacles:
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 Architect.

- 2.02 Switches:
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.

- 2.03 Plates:
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 WP-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.

PART 3 - EXECUTION

- 3.01 Installation of Wiring Devices:
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 unfinished walls, surface mount boxes level and plumb.

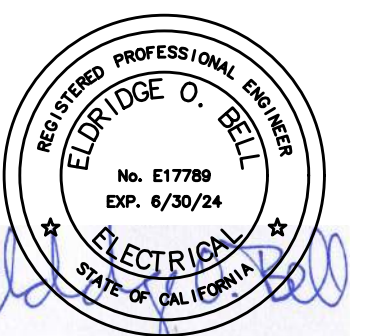
- 3.02 Installation of Wall Plates:
A. General - Plates shall match the style of the device and shall be plumb within 1/16-inch of the vertical or horizontal.

- 3.03 Tests:
A. Receptacles:
1. After installation of receptacles, energize circuits and test each receptacle to detect lack of ground continuity, reversed polarity, and open neutral condition.



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MONTEREY, CALIFORNIA 93940
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THE USE OF THE PLAN AND SPECIFICATIONS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY REUSE OF THESE DRAWINGS FOR ANY OTHER PROJECT WITHOUT THE WRITING OF WR&D ARCHITECTS LLP IS PROHIBITED. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND VISUAL CONTACT WITH THEM BEFORE ANY CONSTRUCTION BEGINS. THE USER SHALL ACCEPTANCE OF THESE RESTRICTIONS.



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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.: 413-002-00C & 51000

JOB NO.
22084
PRINT DATE:
PLOT DATE: 7.18.2023
DRAWN BY:
CHECKED BY:
SET ISSUED:

PLAN CHECK SUBMITTAL: 12/19/22
BACK-CHECK SUBMITTAL: 7/10/23
BID SET 10/1/23

SHEET NAME: ELECTRICAL SPECIFICATIONS
SHEET NO.
E7.1
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 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 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 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 Section.
  - 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. Multiple 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, and labeled for the intended use.
  - 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, hickies, 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, Philips, or approved equal.
  - B. Unless otherwise noted on the drawings, Light Engines shall have the highest available efficacy, 3500K, and 85 CRI minimum.

**PART 3 - EXECUTION**

- 3.01 Installation:
  - 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 luminaires shall be provided with fully adjustable stainless steel aircraft cable hangers unless otherwise noted on the Drawings.

**SECTION 16520**

**CONTROLS**

**PART 1 - PRODUCTS**

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

**PART 2 - EXECUTION**

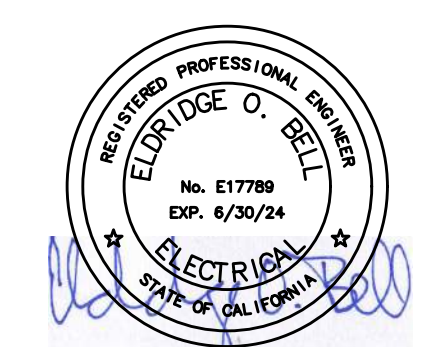
- 2.01 Support Services:
  - A. System Start Up and Commissioning
    1. Manufacturer shall provide a factory authorized technician to confirm proper installation and operation of the lighting control sensors, controllers, switches, and occupancy sensors.
    2. The technician shall provide training 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 Technician (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).
    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(c); and comply with Reference Nonresidential Appendix NA7.7.4.
    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 130.0(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); 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); and comply with Reference Nonresidential Appendix NA7.7.6.
    7. Certification that additional lighting wattage installed for a videoconferencing studio complies with Section 140.6(c)(6); and complies with Reference Nonresidential Appendix NA7.7.7.

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PRINT DATE:	7.18.2023
PLOT DATE:	7.18.2023
DRAWN BY:	
CHECKED BY:	
SET ISSUED:	
PLAN CHECK SUBMITTAL:	12/16/22
BACK CHECK SUBMITTAL:	7/10/23
BID SET	10/1/23

SHEET NAME:  
 ELECTRICAL  
 SPECIFICATIONS

SHEET NO.:

**E7.2**

FILE NAME: