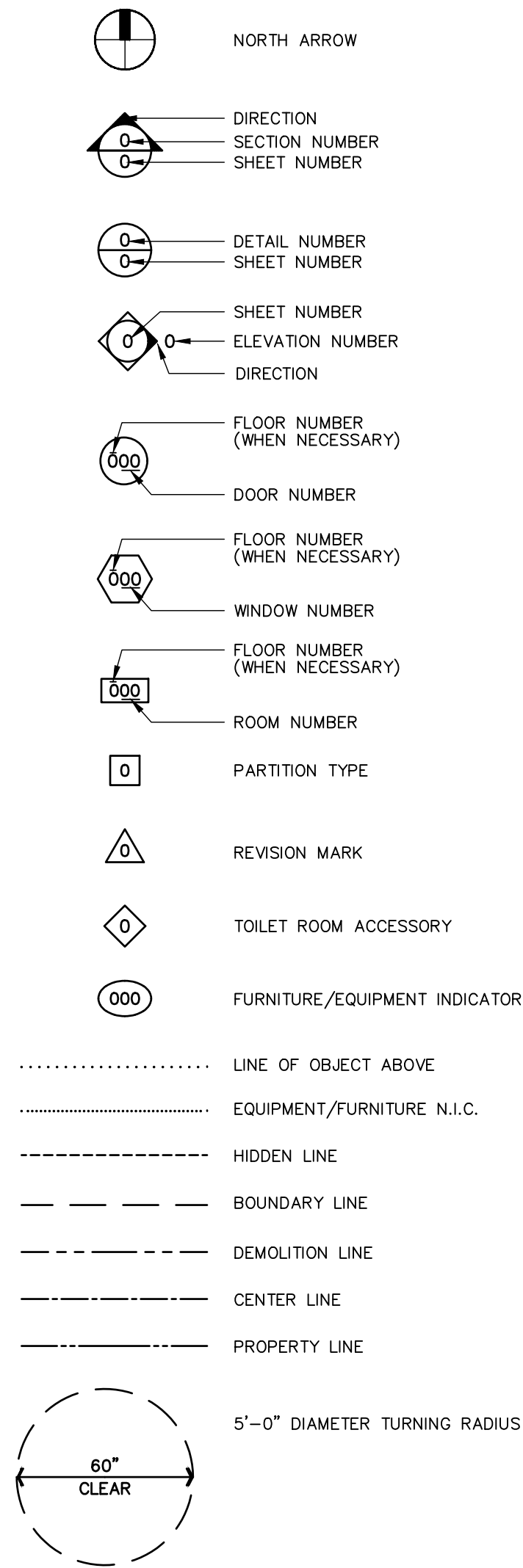


Abbreviations

AL.	ALUMINUM	HORZ.	HORIZONTAL
APPROX.	APPROXIMATE	HP	HIGH POINT
ARCH.	ARCHITECTURAL, ARCHITECT	INSUL.	INSULATE, INSULATION
AVG.	AVERAGE	INT.	INTERIOR
BD.	BOARD	JT.	JOINT
B.O.	BOTTOM OF	LB.	POUND
B.O.B.	BOTTOM OF BEAM	LP	LOW POINT
B.O.C.	BOTTOM OF CEILING	MAX.	MAXIMUM
BOTT.	BOTTOM	MECH.	MECHANICAL
CEM. PLS.	CEMENT PLASTER	MEMB.	MEMBRANE
CCTV	CLOSED CIRCUIT TELEVISION	MET.	METAL
CLG.	CEILING	MANF.	MANUFACTURER
CMU	CONCRETE MASONRY UNIT	MIN.	MINIMUM
COL.	COLUMN	MISC.	MISCELLANEOUS
CONC.	CONCRETE	MAT.	MATERIAL
CONT.	CONTINUOUS	NIC	NOT IN CONTRACT
DIA.	DIAMETER	NO.	NUMBER
DIM.	DIMENSION	N.T.S.	NOT TO SCALE
DN.	DOWN	PLS. LAM.	PLASTIC LAMINATE
DBL.	DOUBLE	PL	PLATE
DWG.	DRAWING	PLYWD.	PLYWOOD
EA.	EACH	PREFAB.	PREFABRICATED
ELEV.	ELEVATION	PVC	POLYVINYL CHLORIDE PIPE
ELEC.	ELECTRICAL	R.	RADIUS
EMERG.	EMERGENCY	REQ.	REQUIRED
EQPT.	EQUIPMENT	REINF.	REINFORCEMENT
EQ.	EQUAL	SC.	SOLID CORE
EXH.	EXHAUST	SIM.	SIMILAR
EXIST.	EXISTING	SHT.	SHEET
E.J.	EXPANSION JOINT	SPEC.	SPECIFICATION
E.W.	EACH WAY	S.S.	STAINLESS STEEL
EWV	ELECTRIC WATER COOLER	SUSP.	SUSPEND, SUSPENDED
FD.	FLOOR DRAIN	SYS.	SYSTEM
FIN.	FINISH	TEMP.	TEMPERED
FL	FLOOR	T&G	TONGUE AND GROOVE
FT.	FOOT	T.O.B.	TOP OF BEAM
FTG.	FOOTING	T.O.S.	TOP OF SLAB
GA.	GAUGE	T.O.P.	TOP OF PARAPET
GALV.	GALVANIZED	T.O.W.	TOP OF WALL
G.C.	GENERAL CONTRACTOR	TYP.	TYPICAL
GL.	GLASS	U.O.N.	UNLESS OTHERWISE NOTED
GYP.	GYPSON	VERT.	VERTICAL
HC.	HOLLOW CORE	W/	WITH
HDW.	HARDWARE	WD.	WOOD
HM.	HOLLOW METAL	W/O	WITHOUT
		WWF	WIRE WELDED FABRIC

Symbol Legend



General Notes and Specifications

- ALL WORK IS TO CONFORM TO THE CURRENT FLORIDA BUILDING CODE, THE AMERICANS WITH DISABILITY ACT THE FLORIDA FIRE PREVENTION CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- ALL CONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH, AND CONFIRM ALL EXISTING MATERIALS, QUANTITIES, DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING THEIR BID. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- NO SUBSTITUTIONS UNLESS AUTHORIZED BY THE ARCHITECT IN WRITING PRIOR TO THE BID OPENING.
- ALL MATERIALS FURNISHED ON THE JOB SITE SHALL BE NEW AND STORED IN SUCH A MANNER AS TO PROTECT THEM FROM THE ELEMENTS.
- ALL CONTRACTORS ARE TO KEEP THE JOB SITE CLEAN AND FREE OF ALL DEBRIS AT ALL TIMES.
- DO NOT SCALE DRAWINGS, DIMENSION AND/OR EXISTING CONDITIONS GOVERN. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- ALL MILLWORK, WOODWORK AND CASEWORK SHALL CONFORM TO THE AMERICAN WOODWORK ASSOCIATION RECOMMENDATIONS.
- ALL ELECTRICAL COVER PLATES, ETC. (INCLUDING SMOKE DETECTORS, SWITCHES, RECEPTACLES, ETC.) ARE TO MATCH BUILDING STANDARDS.
- PAINT ALL PARTITIONS, GYPSUM BOARD CEILINGS AND ALL OTHER GYPSUM BOARD OR PLASTER SURFACES WITHIN THE AREAS OF NEW WORK, UNLESS OTHERWISE SPECIFICALLY NOTED, WITH ONE (1) COAT PRIMER COAT AND TWO (2) COATS MINIMUM BY BENJAMIN MOORE. PAINT MUST ACHIEVE ADEQUATE COVERAGE AND COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE BEST PRACTICES OF THE CONSTRUCTION TRADE.
- ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER'S PROJECT MANAGER.
- ALL TRADE CONTRACTORS SHALL VERIFY ALL UTILITIES, AND PLACEMENT LOCATIONS OF PIPE CONDUIT, EQUIPMENT, DUCTWORK, ETC., PRIOR TO SUBMITTING THEIR BID.
- ALL GYPSUM BOARD CORNERS SHALL RECEIVE METAL CORNER BEADS. ALL EXPOSED GYPSUM BOARD EDGES SHALL HAVE METAL CASING BEADS.
- WHERE CONFLICTS EXIST AND/OR VARIANCES EXIST IN THE DRAWINGS, THE ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY, AND HIGHER COST SHALL BE INCLUDED IN THE BID PRICE. THE ARCHITECT WILL HAVE FINAL DECISION REGARDING ITEM AND MANNER IN WHICH WORK SHALL BE INSTALLED.
- SUBMIT A MINIMUM OF FOUR SETS OF DETAILED SHOP DRAWINGS, CUT SHEETS AND/OR SAMPLES FOR REVIEW AND APPROVAL BY THE ARCHITECT OF THE FOLLOWING:
 - ALL CASEWORK AND MILLWORK
 - ALL LIGHT FIXTURES
 - ALL PLUMBING FIXTURES AND TRIM
 - OTHER PROCURED, MANUFACTURED OR SHOP CREATED MATERIALS
- SUPPORT WIRES FOR CEILINGS, SOFFITS, ETC. SHALL NOT BE CONNECTED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING, ETC..
- ALL DETAILS, SECTIONS, DIAGRAMS, ETC. ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE PROJECT.
- THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS BY THE BUILDING AUTHORITIES. COST OF SPECIAL INSPECTORS SHALL BE INCLUDED IN THE PROJECT COST IF NECESSARY.
- THE CONTRACTOR SHALL PROVIDE SAMPLES OF ALL SPECIFIED FINISH MATERIALS (I.E. CERAMIC TILE, VINYL TILE, WALL COVERING, ETC.) PRIOR TO INSTALLATION.
- SIGNS ARE REQUIRED TO COMPLY WITH ADA STANDARDS AND ICC A117.1 AND APPLICABLE BUILDING CODES, UNLESS OTHERWISE INDICATED. IN THE EVENT OF CONFLICTING REQUIREMENTS, COMPLY WITH THE MOST COMPREHENSIVE AND SPECIFIC REQUIREMENTS.

List of Drawings

Information

- I General Notes, Location Map, Key Plan
Abbreviations, Typical Mounting Heights

Demolition

- D-1 Demolition First Floor Plan
D-2 Demolition Second Floor Plan

Life Safety

- LS-1 Life Safety First Floor Plan
LS-2 Life Safety Second Floor Plan

Architectural

- A-1 First Floor Plan
A-2 Second Floor Plan
A-3 First Floor Reflected Ceiling Plan
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A-5 Grandstand Enlargement and Sections
A-6 Sensory Room Enlargement and Sections
A-7 Story Telling Enlargement and Sections
A-8 YouMedia Enlargement and Sections
A-9 Window Schedule & Window Elevations
A-9.1 Window Elevations
A-10 Door & Window Schedules
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A-17 Building Sections
A-18 Partition Types
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SD-01 Ground Floor Demolition Plan
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S-01 Ground Floor Framing Plan
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- PD-1 First Level Demo Plan
PD-2 Second Level Demo Plan
P-0 First Level Floor Plan
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P-2 Plumbing Legend, Details and Notes
P-3 Water Risers
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- M-1 First Level Floor Plan
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E-2 Second Level Floor Plan
E-3 First Level Reflected Ceiling Plan
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E-5 Enlarged Rooms
E-6 Electrical Panel Schedules, Notes
E-7 Electrical Panel Schedules, Notes
E-8 Electrical Riser Diagram
E-9 Lighting Control Diagram
E-10 Lighting Control Details

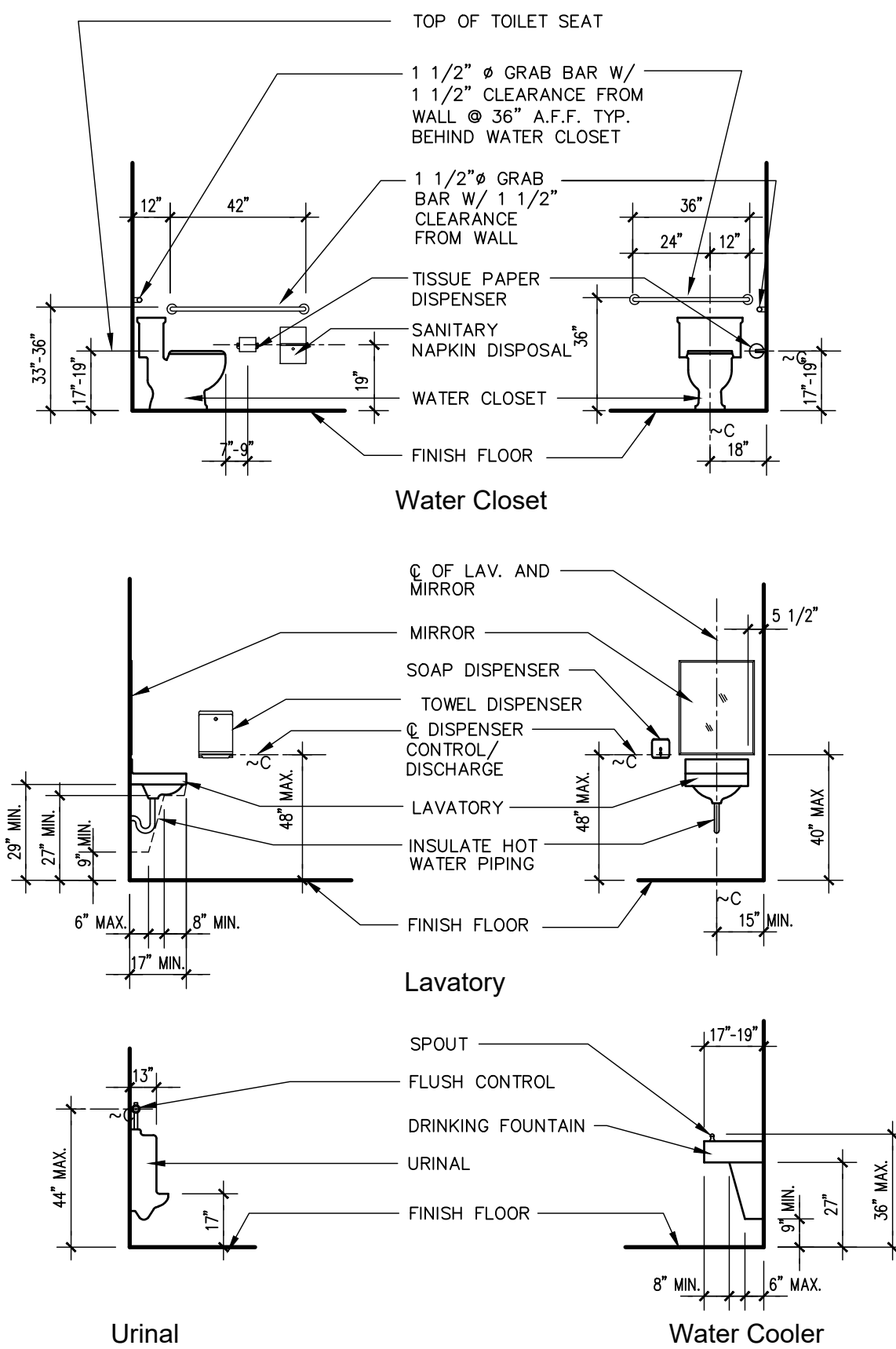
Fire Alarm

- FA-0 Fire Alarm Legend and Notes
FA-1 Fire Alarm First Floor Plan
FA-2 Fire Alarm Second Floor Plan

Fire Protection

- FP-1 First Floor Sprinkler Plan
FP-2 Second Floor Sprinkler Plan
FP-3 Site Water Connection

Typical Handicapped Mounting Heights



Project Summary

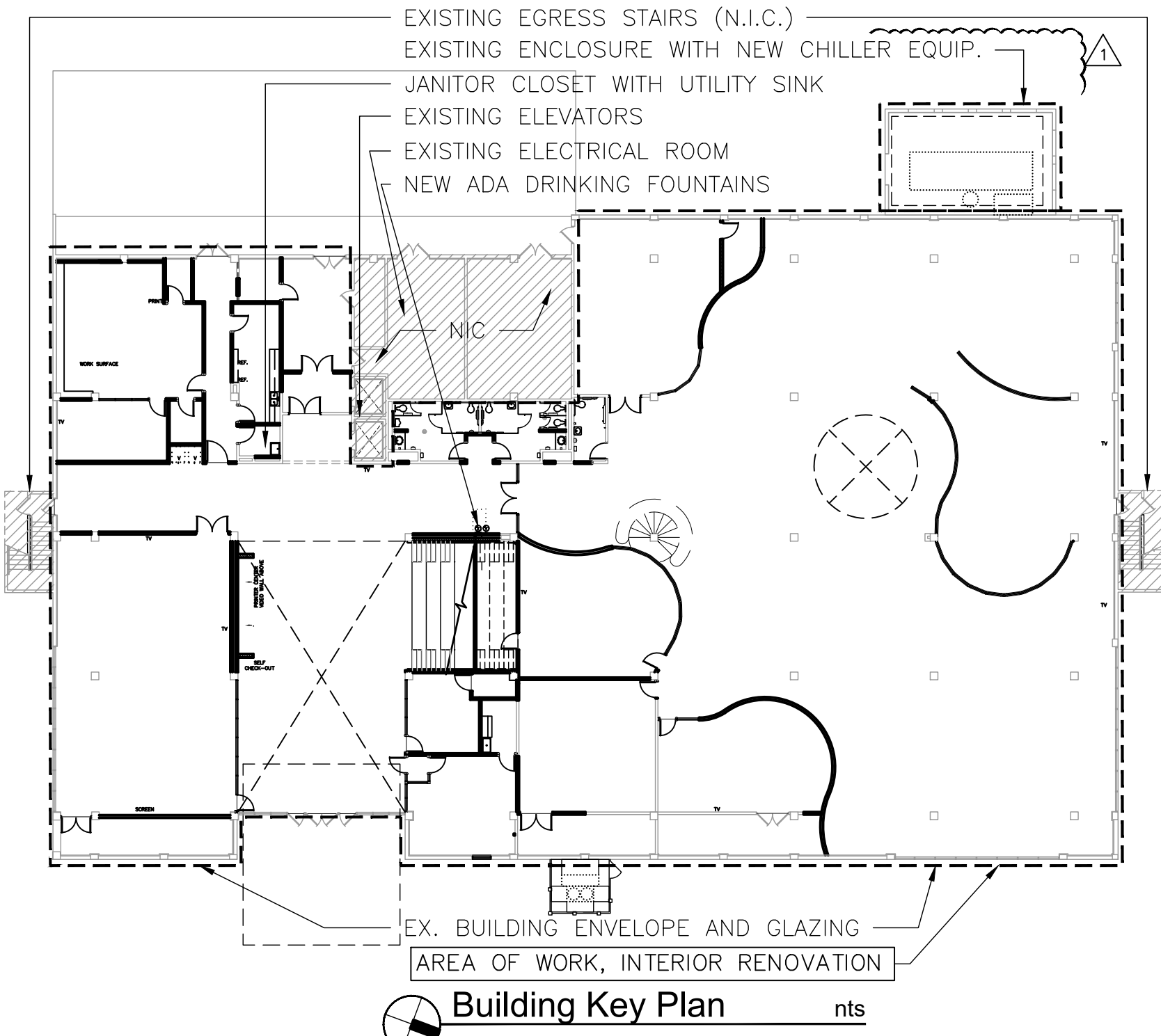
PROJECT DESCRIPTION: INTERIOR MODIFICATION OF EXISTING BUILDING, REPLACEMNT OF CHILLER EQUIP.			
PROJECT ADDRESS: 10750 SW 211TH STREET, CUTLER BAY FL 33189			
BUILDING CODE: THIS DESIGN COMPLIES WITH THE FLORIDA BUILDING CODE 2020, 7TH EDITION-ACCESSIBILITY & FLORIDA FIRE PREVENTION CODE 2017, 6TH EDITION.			
EXISTING TWO STORY LIBRARY BUILDING WITH A NEW AUTOMATIC FIRE SPRINKLER SYSTEM			
CONSTRUCTION TYPE: 2B			
ALTERATION LEVEL: LEVEL '2' ALTERATION			
REHABILITATION TYPE (NFPA CH43): MODIFICATION			
INTERIOR IMPROVEMENT AREA:		47,239 SF	
OCCUPANCY GROUND FLOOR:			
OCCUPANT COUNT TOTAL:		524 PEOPLE	
GROUP B-BUSINESS	3,009	SF/150 =	20 PEOPLE
GROUP B-COLLABORATION	395	SF/30 =	13 PEOPLE
GROUP A-3 ASSEMBLY			
-READING ROOMS	11,142	SF/50 =	223 PEOPLE
-STACK AREAS	2,716	SF/100 =	27 PEOPLE
-UNCONCENTRATED	3,477	SF/15 =	232 PEOPLE
GROUP S-1 STORAGE	2,730	SF/300 =	9 PEOPLE
OCCUPANCY SECOND FLOOR:			
OCCUPANT COUNT TOTAL:		438 PEOPLE	
GROUP B-BUSINESS	2,978	SF/150 =	20 PEOPLE
GROUP B-COLLABORATION	950	SF/30 =	32 PEOPLE
GROUP A-3 ASSEMBLY			
-READING ROOMS	11,086	SF/50 =	222 PEOPLE
-STACK AREAS	2,519	SF/100 =	25 PEOPLE
-UNCONCENTRATED	1,978	SF/15 =	132 PEOPLE
GROUP S-1 STORAGE	1,968	SF/300 =	7 PEOPLE

Plumbing Fixtures

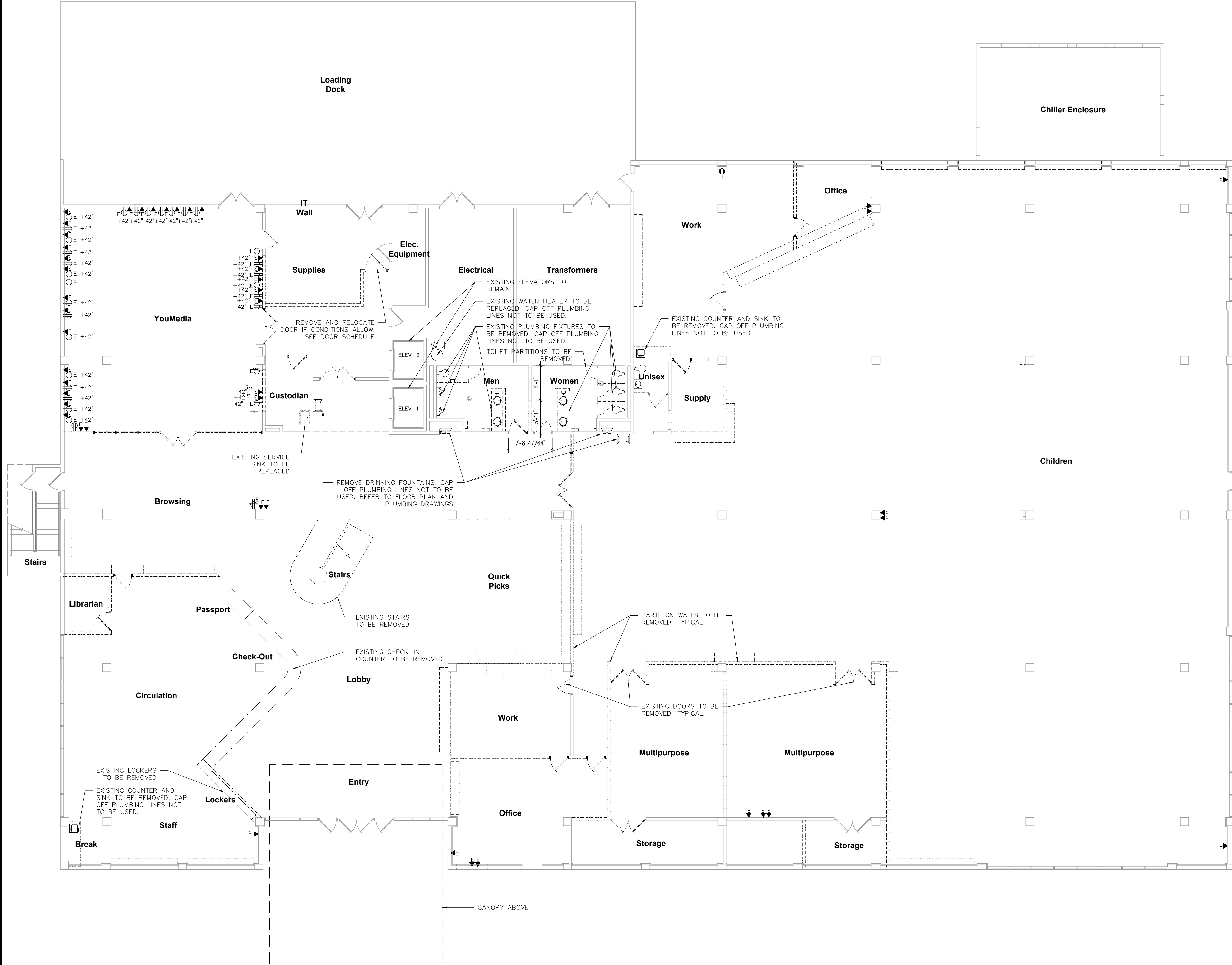
PLUMBING FIXTURES REQUIRED: LEVEL 1	#	OF PEOPLE	DF	WC	UR	LAV	SERV.	SINK
TOTAL			2	6		4		1
MALE		262		2		2		
FEMALE		262		4		2		
PLUMBING FIXTURES PROVIDED: LEVEL 1								
TOTAL			2	6	1	5		1
MALE				2	1	2		
FEMALE				4		3		
PLUMBING FIXTURES REQUIRED: LEVEL 2	#	OF PEOPLE	DF	WC	UR	LAV		
TOTAL		438	1	6		4		1
MALE		219		2		2		
FEMALE		219		4		2		
PLUMBING FIXTURES PROVIDED: LEVEL 2								
TOTAL			2	9	2	8		1
MALE				3	2	4		
FEMALE				6		4		

Life Safety Summary

THIS BUILDING IS EQUIPPED WITH A NEW AUTOMATIC SPRINKLER SYSTEM	
OCCUPANCY : BUSINESS / ASSEMBLY / STORAGE.	
SEE SHEETS LS-1 AND LS-2.	
TRAVEL DISTANCES TO EXITS ARE LESS THAN 300' FOR B, LESS THAN 250' FOR A AND LESS THAN 400' FOR S-1 (COMPLIES)	
COMMON PATH OF TRAVEL IS LESS THAN 100' FOR B, LESS TAN 75' FOR A, AND LESS THAN 100' FOR S-1 USE (COMPLIES)	
DEAD END TRAVEL IS LESS THAN 50' FOR B, LESS THAN 20' FOR A, AND LESS THAN 50' FOR S-1 USE (COMPLIES)	



Location Map



- Demolition Notes**
- CONTRACTOR TO VERIFY ALL CONDITIONS IN FIELD PRIOR TO DEMOLITION. REPORT ALL DISCREPANCIES TO ARCHITECT FOR RESOLUTION.
 - INFORMATION SHOWN REGARDING EXISTING CONSTRUCTION OR WARRANTIES OF ACCURACY OR CONTINUITY OF AS-BUILT CONDITIONS. DATA MADE AVAILABLE IS DERIVED FROM FIELD SURVEY AND IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR.
 - DEMOLITION SCOPE OF WORK INCLUDES ANY DEMOLITION NECESSARY TO ALLOW FOR OR ACCOMMODATE THE NEW WORK SHOWN ON OTHER SHEETS OR AS MAY BE REASONABLY INFERRED THEREFROM.
 - PROTECT ALL CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION OF ADJACENT CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR RESTORATION IF DAMAGE OCCURS TO AREAS NOT SHOWN TO BE DEMOLISHED.
 - DEMOLISH ONLY THE SECTIONS OF WALLS, DOORS, ETC. SHOWN ON THIS PLAN. IF CONDITIONS ARE FOUND TO BE IN CONFLICT WITH ANY INFORMATION SHOWN IN THESE DRAWINGS, NOTIFY ARCHITECT FOR INSTRUCTIONS PRIOR TO CONTINUATION OF WORK. FIELD VERIFY ALL AREAS PRIOR TO BID SUBMITTAL.
 - CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES AND LINES INDICATED TO BE PART OF THE DEMOLITION WORK AND CAP OFF ALL PLUMBING LINES BELOW THE SLAB.
 - CONTRACTOR TO DISPOSE OF DEMOLISHED MATERIALS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.
 - ALL EXISTING CARPETING, CERAMIC TILE AND VINYL FLOOR FINISHES SHALL BE REMOVED IN THEIR ENTIRETY DOWN TO THE CONCRETE SLAB, INCLUDING ALL ADHESIVES AND NAILING STRIPS. FLOOR SHALL BE LEFT IN A SMOOTH CONDITION READY TO RECEIVE SCHEDULED FINISH.
 - EXISTING FIRE EXTINGUISHERS, AND CABINETS IF APPLICABLE, TO BE REMOVED.
 - CONTRACTOR SHALL ATTEMPT TO REUSE EXISTING MATERIALS AS REASONABLY AS POSSIBLE.
 - CONTRACTOR SHALL REMOVE ALL EXISTING CONDUIT, WIRES, CABLES, BLOCKING, FRAMING SUPPORTS, ETC. ABOVE CEILING OR WITHIN WALLS AND PARTITIONS NOT SCHEDULED TO BE REUSED OR RELOCATED. IN LOCATIONS WHERE RECEPTACLES THAT ARE NOT SCHEDULED TO REMAIN OR BE RELOCATED, THE WALL IS TO BE PATCHED AND FINISHED TO MATCH THE ADJACENT CONSTRUCTION FINISH IN TEXTURE AND STYLE.
 - G.C. SHALL COORDINATE REQUIRED UTILITIES TO BE DISCONNECTED DURING CONSTRUCTION AS NECESSARY.
 - G.C. TO PROVIDE 1 1/4" WATER LINE WITHIN 50' OF DEMOLITION AREA FOR USE BY CONTRACTOR IN REDUCING AMOUNT OF DUST CAUSED BY DEMOLITION ACTIVITIES.
 - ALL PUBLIC AREAS OF THE BUILDING SHALL BE PROTECTED DURING CONSTRUCTION AND DELIVERIES. CLEAN CARPET "MATS" SHALL ALWAYS BE AT EACH SIDE OF ENTRANCES/EXITS TO ALL WORK AREAS AT ALL TIMES.
 - ALL EXISTING LIGHT FIXTURES IN PORTIONS OF THE CEILING TO BE REMOVED SHALL BE REMOVED INCLUDING ASSOCIATED CARD WITH FEEDER BOXES. ALL LIGHT FIXTURES THAT REMAIN AFTER THE WORK HAS BEEN COMPLETED SHALL BE REMOVED AND GIVEN TO THE OWNER PROJECT MANAGER.
 - REMOVE ALL EXISTING BASEBOARDS.
 - REMOVE ALL EXISTING BLINDS/WINDOW TREATMENTS

Demolition Legend

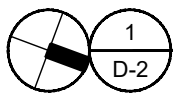
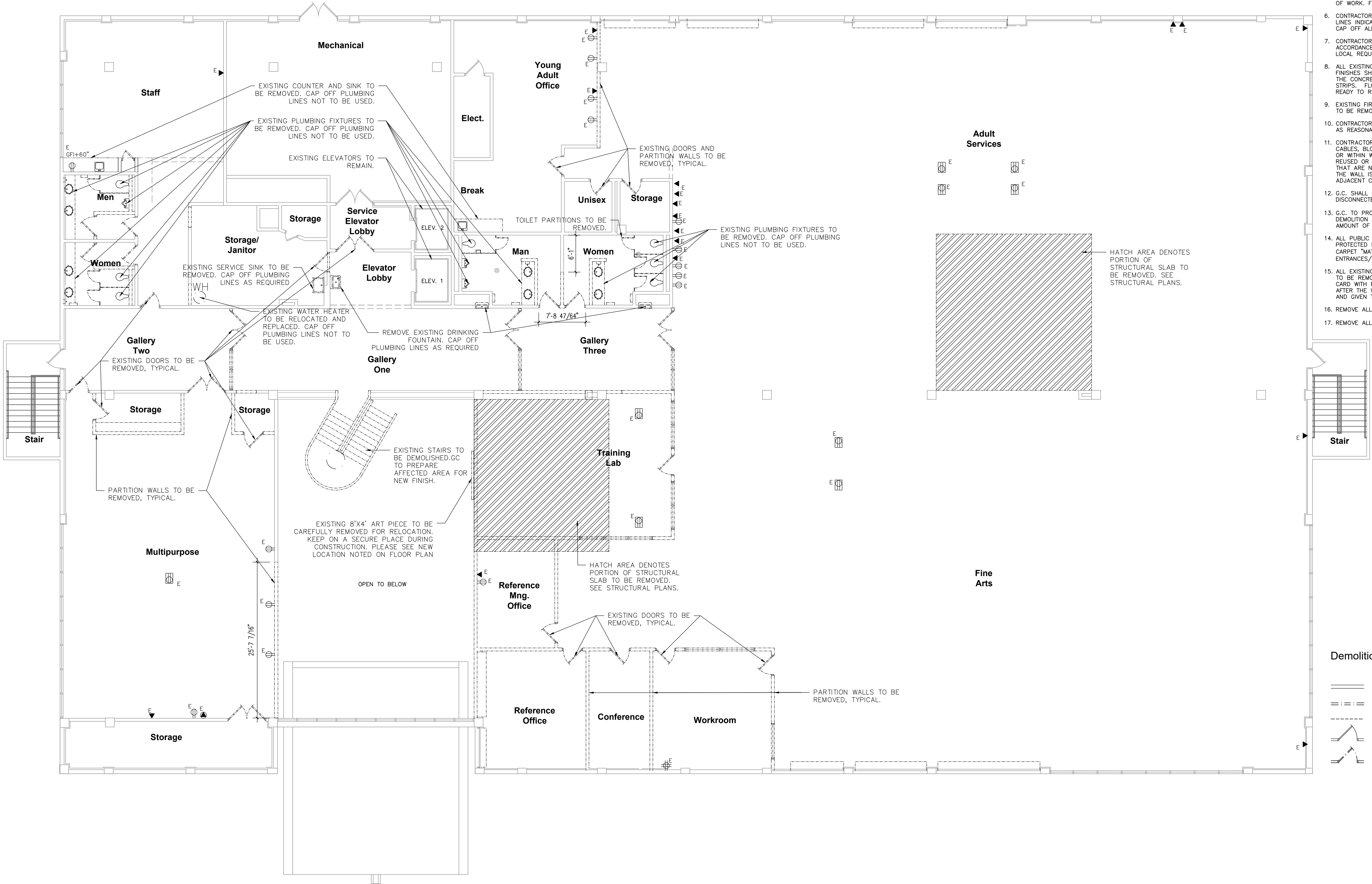
- EXISTING PARTITION, WALL OR COLUMN TO REMAIN.
- EXISTING TO BE REMOVED
- DENOTES ELEMENT ABOVE
- EXISTING DOOR TO REMAIN.
- EXISTING DOOR TO BE REMOVED

Demolition Notes

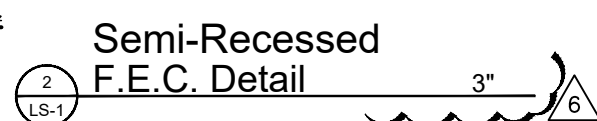
1. CONTRACTOR TO VERIFY ALL CONDITIONS IN FIELD PRIOR TO DEMOLITION. REPORT ALL DISCREPANCIES TO ARCHITECT FOR RESOLUTION.
2. INFORMATION SHOWN REGARDING EXISTING CONSTRUCTION OR CONDITIONS IS NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF ACCURACY OR CONTINUITY OF AS-BUILT CONDITIONS. DATA MADE AVAILABLE IS DERIVED FROM FIELD SURVEY AND IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR.
3. DEMOLITION SCOPE OF WORK INCLUDES ANY DEMOLITION NECESSARY TO ALLOW FOR OR ACCOMMODATE THE NEW WORK SHOWN ON OTHER SHEETS OR AS MAY BE REASONABLY INFERRED THEREFROM.
4. PROTECT ALL CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION OF ADJACENT CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR RESTORATION IF DAMAGE OCCURS TO AREAS NOT SHOWN TO BE DEMOLISHED.
5. DEMOLISH ONLY THE SECTIONS OF WALLS, DOORS, ETC. SHOWN ON THIS PLAN. IF CONDITIONS ARE FOUND TO BE IN CONFLICT WITH ANY INFORMATION SHOWN IN THESE DRAWINGS, NOTIFY ARCHITECT FOR INSTRUCTIONS PRIOR TO CONTINUATION OF WORK. FIELD VERIFY ALL AREAS PRIOR TO BID SUBMITTAL.
6. CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES AND LINES INDICATED TO BE PART OF THE DEMOLITION WORK AND CAP OFF ALL PLUMBING LINES BELOW THE SLAB.
7. CONTRACTOR TO DISPOSE OF DEMOLISHED MATERIALS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.
8. ALL EXISTING CARPETING, CERAMIC TILE AND VINYL FLOOR FINISHES SHALL BE REMOVED IN THEIR ENTIRETY DOWN TO THE CONCRETE SLAB, INCLUDING ALL ADHESIVES AND NAILING STRIPS. FLOOR SHALL BE LEFT IN A SMOOTH CONDITION READY TO RECEIVE SCHEDULED FINISH.
9. EXISTING FIRE EXTINGUISHERS, AND CABINETS IF APPLICABLE, TO BE REMOVED.
10. CONTRACTOR SHALL ATTEMPT TO REUSE EXISTING MATERIALS AS REASONABLY AS POSSIBLE.
11. CONTRACTOR SHALL REMOVE ALL EXISTING CONDUIT, WIRES, CABLES, BLOCKING, FRAMING SUPPORTS, ETC. ABOVE CEILING OR WITHIN WALLS AND PARTITIONS NOT SCHEDULED TO BE REUSED OR RELOCATED. IN LOCATIONS WHERE RECEPTACLES THAT ARE NOT SCHEDULED TO REMAIN OR BE RELOCATED, THE WALL IS TO BE PATCHED AND FINISHED TO MATCH THE ADJACENT CONSTRUCTION FINISH IN TEXTURE AND STYLE.
12. G.C. SHALL COORDINATE REQUIRED UTILITIES TO BE DISCONNECTED DURING CONSTRUCTION AS NECESSARY.
13. G.C. TO PROVIDE 1 1/4" WATER LINE WITHIN 50' OF DEMOLITION AREA FOR USE BY CONTRACTOR IN REDUCING AMOUNT OF DUST CAUSED BY DEMOLITION ACTIVITIES.
14. ALL PUBLIC AREAS OF THE BUILDING SHALL BE PROTECTED DURING CONSTRUCTION AND DELIVERIES. CLEAN CARPET "MATS" SHALL ALWAYS BE AT EACH SIDE OF ENTRANCES/EXITS TO ALL WORK AREAS AT ALL TIMES.
15. ALL EXISTING LIGHT FIXTURES IN PORTIONS OF THE CEILING TO BE REMOVED SHALL BE REMOVED INCLUDING ASSOCIATED CARD WITH FEEDER BOXES. ALL LIGHT FIXTURES THAT REMAIN AFTER THE WORK HAS BEEN COMPLETED SHALL BE REMOVED AND GIVEN TO THE OWNER PROJECT MANAGER.
16. REMOVE ALL EXISTING BASEBOARDS.
17. REMOVE ALL EXISTING BLINDS/WINDOW TREATMENTS.

Demolition Legend

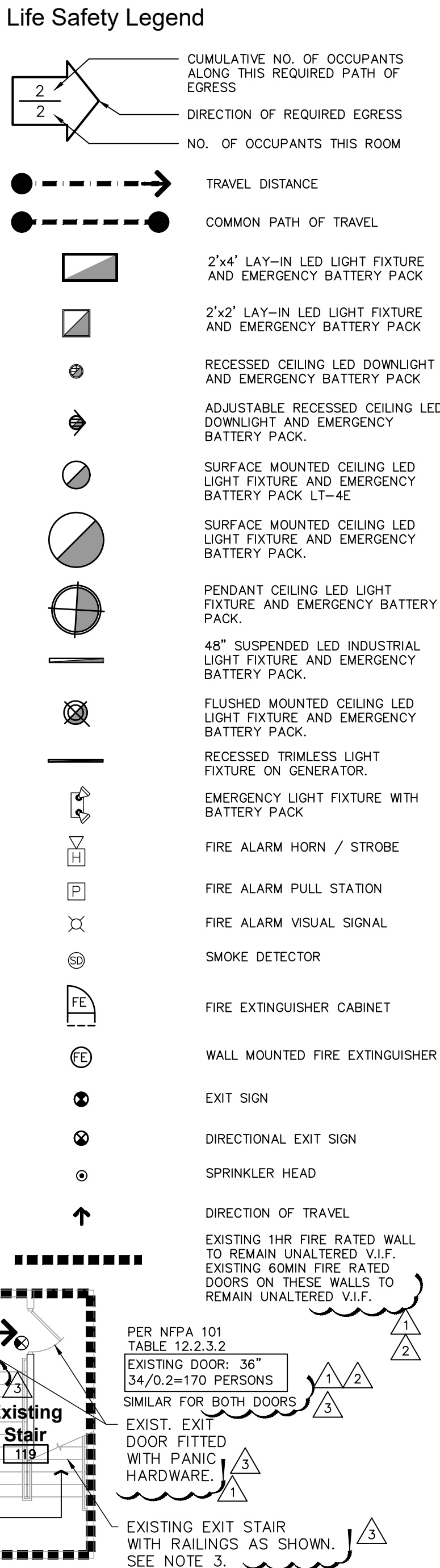
- EXISTING PARTITION, WALL OR COLUMN TO REMAIN.
- EXISTING TO BE REMOVED
- DENOTES ELEMENT ABOVE
- EXISTING DOOR TO REMAIN.
- EXISTING DOOR TO BE REMOVED



Second Floor Demolition Plan 1/8"



TRAVEL DISTANCE CRITERIA (WITH SPRINKLER SYSTEM)			
OCCUPANCY	EXIT ACCESS TRAVEL DISTANCE	COMMON PATH OF TRAVEL	DEAD END TRAVEL
B	300'	100'	50'
A	250'	FIRST 20' (SERVES TO ANY OCCP.) & 75'(<50 PEOPLE)	20'
S	400'	100'	50'
E	200'	100'	50'



- # Notes
1. PROVIDE ONE - ABC TYPE, "2-A" RATED FIRE EXTINGUISHER FOR EACH 3,000 SQ. FT. MAX. 75 FT. OF TRAVEL. TOP OF EXTINGUISHER NOT TO EXCEED 5 FT. ABOVE FINISH FLOOR.
 2. 24.624/3000=8.2
8 FIRE EXTINGUISHERS REQUIRED
11 FIRE EXTINGUISHERS PROVIDED
 3. NEW AND EXISTING HANDRAILS SHALL EXTEND HORIZONTALLY AT THE REQUIRED HEIGHT. EXTENSIONS SHALL BE PROVIDED ON BOTH SIDES AT TOP AND BOTTOM OF STAIRS IN ACCORDANCE WITH NFPA 101: 7.2.2.4.5.1.0.
 4. ALL DOORS IN THE PATH OF EGRESS MUST BE OPENABLE WITH NOT MORE THAN ONE RELEASING OPERATION PER FBC 2020 SECTION 1008.1.8.2, TYPICAL.
 5. SPACE DOES HAVE A SPRINKLER SYSTEM.
 6. SPACE DOES HAVE A FIRE ALARM SYSTEM.
 7. AT FIRE ALARM PANEL, FIRE EXTINGUISHERS, PROVIDE A SIGN PROTRUDING FROM THE WALL WITH A PICTURE DEPICTING.
 8. INTERIOR RENOVATION IN EXISTING ASSEMBLY SPACE, PER NFPA 101 5.14.1.3 (3) NO RATING IS NECESSARY.
 9. THIS IS A SINGLE TENANT SPACE, WITHIN AN EXISTING BUILDING.
 10. ASSEMBLY A-3 OCCUPANCY WILL REMAIN THE SAME AND THE OCCUPANCY HAS EXITS TO THE EXTERIOR OF THE BUILDING.
 11. EXISTING ASSEMBLY BUILDING/CONSTRUCTION TYPE: 2-B
 12. ALL JOINTS AND PENETRATIONS TO BE SEALED WITH FIRE CAULK OR PUTTY, INSTALL AS PER MANUFACTURER'S SPECS.
 13. CONTRACTOR TO PROVIDE A MINIMUM 1 HOUR F&T RATING AT ALL OPENINGS/ PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.
 14. DIVIDA PARTITION IN EXISTING LIBRARY SPACE, PER NFPA 101 5.1.1.4.4.1 (b) NO RATING IS NECESSARY.
 15. PER NFPA 101:13.2.2.2.3 PANIC HARDWARE MUST BE REQUIRED FOR OCCUPANT LOADS MORE THAN 100 PERSONS, PER SECT. 7.2.1.7 NEW AND EXISTING DOORS IN A REQUIRED MEANS OF EGRESS HAVING A LATCH OR LOCK SHALL HAVE A PANIC HARDWARE OR FIRE EXIT HARDWARE, IF ELECTRICALLY LOCKED, THEY SHALL HAVE SENSOR RELEASE HARDWARE PER SECT. 7.2.1.6.2
 16. PER NFPA 101 SECTION 7.1.6.2 CHANGES IN ELEVATION SHALL NOT EXCEED 1/2" AT EXIT DOORS.

TRAINING TABLES

Assembly Instruction for Fixed Cantilever Base on Rectangular Top

Recommended tools

Hardware enclosed

NOTE: all screws provided must be installed for proper installation and compliance with product warranty.

Floor Mount Glide



Features:
- field installed glides for mounting table base to floor
- 1/4" diameter hole in the glide for mounting
- set of 4
- replaces standard leveling glide
- note: floor mounting hardware to be supplied by installer

1. Place work surface bottom side up on a non-marring surface
2. Place the table legs on the work surface and align using measurements for your size table shown in the placement chart on next page. Mark the hole locations for each base.
3. Drill pilot holes 1/8"Ø x 1/2" deep in screw locations marked.
4. Align the leg mounting plate with the holes and secure in place with #12x1" panhead screws. Install (8) screws per leg.
5. If support rail is required for your size table (see chart on next page), refer to the separate instruction sheet for attachment.
6. Insert Floor Mount Glide lagging table to the floor if applicable.

PROJECT DESCRIPTION:
INTERIOR MODIFICATION IN EXISTING BUILDING
PROJECT ADDRESS:
10750 SW 211TH STREET, CUTLER BAY FL 33189

BUILDING CODE: 2020 FLORIDA BUILDING CODE
2020 FLORIDA FIRE PREVENTION CODE, NFPA 101 2021 EDITION

EXISTING TWO STORY LIBRARY BUILDING WITH A NEW AUTOMATIC FIRE SPRINKLER SYSTEM
CONSTRUCTION TYPE: 2B
ALTERATION LEVEL: LEVEL '2' ALTERATION
REHABILITATION TYPE (NFPA CH43): MODIFICATION

NOTE:
FIRE ALARM IS FITTED WITH VOICE EVACUATION.

TRAVEL DISTANCE CRITERIA (WITH SPRINKLER SYSTEM)			
OCCUPANCY	EXIT ACCESS TRAVEL DISTANCE	COMMON PATH OF TRAVEL	DEAD END TRAVEL
B	300'	100'	50'
A	250'	FIRST 20' (SERVES TO ANY OCC.) & 75' (<50 PEOPLE)	20'
S	400'	100'	50'
E	200'	100'	50'

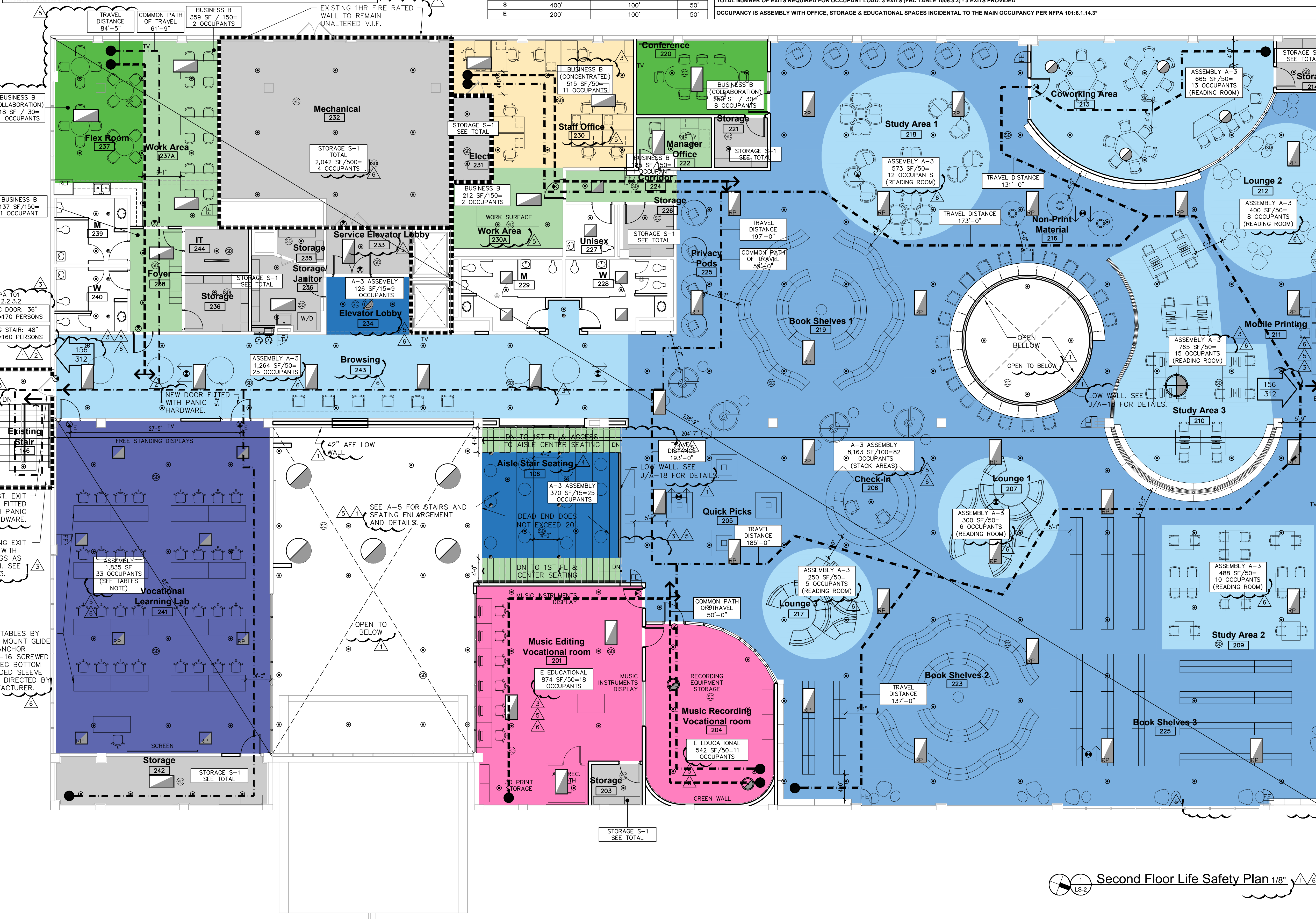
LIFE SAFETY SUMMARY - SECOND LEVEL							
OCCUPANT LOAD CALCULATIONS, SEPARATION REQUIREMENTS, AND NUMBER OF EXITS NEW SPRINKLER SYSTEM IN EXISTING BUILDING							
SPACE UTILIZATION	OCCUPANCY	NFPA SPACE DEFINITION	WEBSTER DICTIONARY DEFINITION	COMMENT	NFPA COMPLIANCE	AREA (GSF)	AREA/OCC. FACTOR NFPA101 TAB. 7.3.1.2
BUSINESS-Incidental (Office Areas, Reception)	B	An occupancy used for the transaction of business other than mercantile			YES	893	150
BUSINESS-Incidental (Concentrated)	B (Concentrated)				YES	515	50
BUSINESS-Incidental (Conference & Break Rooms)>450 SF	B (Collaboration)				YES	N/A	-
BUSINESS-Incidental (Conference & Break Rooms)<450 SF	B (Collaboration)				YES	568	30
ASSEMBLY (Reading Rooms)	A-3	An occupancy used for a gathering of 50 or more persons for deliberation, worship, entertainment, eating, drinking, amusement, awaiting transportation, or similar uses.	Stacks: Section of building housing a structure of bookshelves for compact storage of books. Gallery: long & narrow passage, or corridor		YES	4,696	50 net
ASSEMBLY (Unconcentrated) (Chair count w/ fixed tables-see note)	A-3				YES	8,163	100
STORAGE-Incidental (Mech/Elec w exist. fire rated separation) (Library supply storages w no flammables)	S-1	An occupancy used primarily for the storage or sheltering of goods, merchandise, products, or vehicles.			YES	502	15 net
EDUCATIONAL-Incidental (Music Vocational rooms)	E	An occupancy used for educational purposes through the 12th grade by 6 or more persons for 4 or more hrs/day or more than 12 hrs/wk.	Vocational: Relating to, or undergoing training in a skill or trade to be pursued as a career.	Spaces to nurture a vocation, with equipment to support this learning, not a regular classroom.	YES	2,042	500
						1,416	50 net
TOTAL							312
TOTAL NUMBER OF EXITS REQUIRED FOR OCCUPANT LOAD: 3 EXITS (FBC TABLE 1006.3.2) - 3 EXITS PROVIDED							
OCCUPANCY IS ASSEMBLY WITH OFFICE, STORAGE & EDUCATIONAL SPACES INCIDENTAL TO THE MAIN OCCUPANCY PER NFPA 101-6.1.14.3*							

Life Safety Legend

- CUMULATIVE NO. OF OCCUPANTS ALONG THIS REQUIRED PATH OF EGRESS
- DIRECTION OF REQUIRED EGRESS
- NO. OF OCCUPANTS THIS ROOM
- TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- 2'x4' LAY-IN LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK
- 2'x2' LAY-IN LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK
- RECESSED CEILING LED DOWNLIGHT AND EMERGENCY BATTERY PACK
- ADJUSTABLE RECESSED CEILING LED DOWNLIGHT AND EMERGENCY BATTERY PACK
- SURFACE MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-4E
- SURFACE MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK
- PENDANT CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK
- 48" SUSPENDED LED INDUSTRIAL LIGHT FIXTURE AND EMERGENCY BATTERY PACK
- FLUSH MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK
- PENDANT CEILING LIGHT FIXTURE WITH EMERGENCY ON GENERATOR
- EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
- FIRE ALARM HORN / STROBE
- FIRE ALARM PULL STATION
- FIRE ALARM VISUAL SIGNAL
- SMOKE DETECTOR
- FIRE EXTINGUISHER CABINET
- WALL MOUNTED FIRE EXTINGUISHER
- EXIT SIGN
- DIRECTIONAL EXIT SIGN
- SPRINKLER HEAD
- DIRECTION OF TRAVEL
- EXISTING 1HR FIRE RATED WALL TO REMAIN UNALTERED V.I.F. EXISTING 60MIN FIRE RATED DOORS ON THESE WALLS TO REMAIN UNALTERED V.I.F.
- EXIST. EXIT DOOR FITTED WITH PANIC HARDWARE.
- EXISTING EXIT STAIR WITH RAILINGS AS SHOWN. SEE NOTE 3.

Notes

1. PROVIDE ONE - ABC TYPE, "2-A" RATED FIRE EXTINGUISHER FOR EACH 3,000 SQ. FT. MAX. 75 FT. OF TRAVEL. TOP OF EXTINGUISHER NOT TO EXCEED 5 FT. ABOVE FINISH FLOOR.
2. 25,357/3000=8.5
9 FIRE EXTINGUISHERS REQUIRED / 9 FIRE EXTINGUISHERS PROVIDED
3. NEW AND EXISTING HANDRAILS SHALL EXTEND HORIZONTALLY AT THE REQUIRED HEIGHT. EXTENSIONS SHALL BE PROVIDED ON BOTH SIDES AT TOP AND BOTTOM OF STAIRS IN ACCORDANCE WITH FFPC 101: 7.2.2.4.5.1.0.
4. ALL DOORS IN THE PATH OF EGRESS MUST BE OPERABLE WITH NOT MORE THAN ONE RELEASING OPERATION PER FBC 2020 SECTION 1008.1.8.2, TYPICAL.
5. SPACE DOES HAVE A SPRINKLER SYSTEM.
6. SPACE DOES HAVE A FIRE ALARM SYSTEM.
7. AT FIRE ALARM PANEL, FIRE EXTINGUISHERS, PROVIDE A SIGN PROTRUDING FROM THE WALL WITH A PICTURE DEVICE.
8. INTERIOR RENOVATION IN EXISTING ASSEMBLY SPACE. PER NFPA 101 5.14.1.3 (3) NO RATING IS NECESSARY.
9. THIS IS A SINGLE TENANT SPACE, WITHIN AN EXISTING BUILDING.
10. ASSEMBLY A-3 OCCUPANCY WILL REMAIN THE SAME AND THIS OCCUPANCY HAS EXITS TO THE EXTERIOR OF THE BUILDING.
11. EXISTING ASSEMBLY BUILDING/CONSTRUCTION TYPE: 2-B
12. ALL JOINTS AND PENETRATIONS TO BE SEALED WITH FIRE CAULK OR PUTTY, INSTALL AS PER MANUFACTURER'S SPECS.
13. CONTRACTOR TO PROVIDE A MINIMUM 1 HOUR F&T RATING AT ALL OPENINGS/ PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.
14. DIVIDING PARTITION IN EXISTING LIBRARY SPACE. PER NFPA 101 5.1.14.4.1 (b) NO RATING IS NECESSARY.
15. PER NFPA 101-13.2.2.2.3 PANIC HARDWARE MUST BE REQUIRED FOR OCCUPANT LOADS MORE THAN 100 PERSONS. PER SECT. 7.2.1.7 NEW AND EXISTING DOORS IN A REQUIRED MEANS OF EGRESS HAVING A LATCH OR LOCK SHALL HAVE A PANIC HARDWARE OR FIRE EXIT HARDWARE IF ELECTRICALLY LOCKED. THEY SHALL HAVE SENSOR RELEASE HARDWARE PER SECT. 7.2.1.6.2
16. PER NFPA 101 SECTION 7.1.6.2 CHANGES IN ELEVATION SHALL NOT EXCEED 1/2" AT EXIT DOORS.



Second Floor Life Safety Plan 1/8"

FORBES ARCHITECTS

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Interior Alteration
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Cutler Bay, FL 33189

Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

Project:

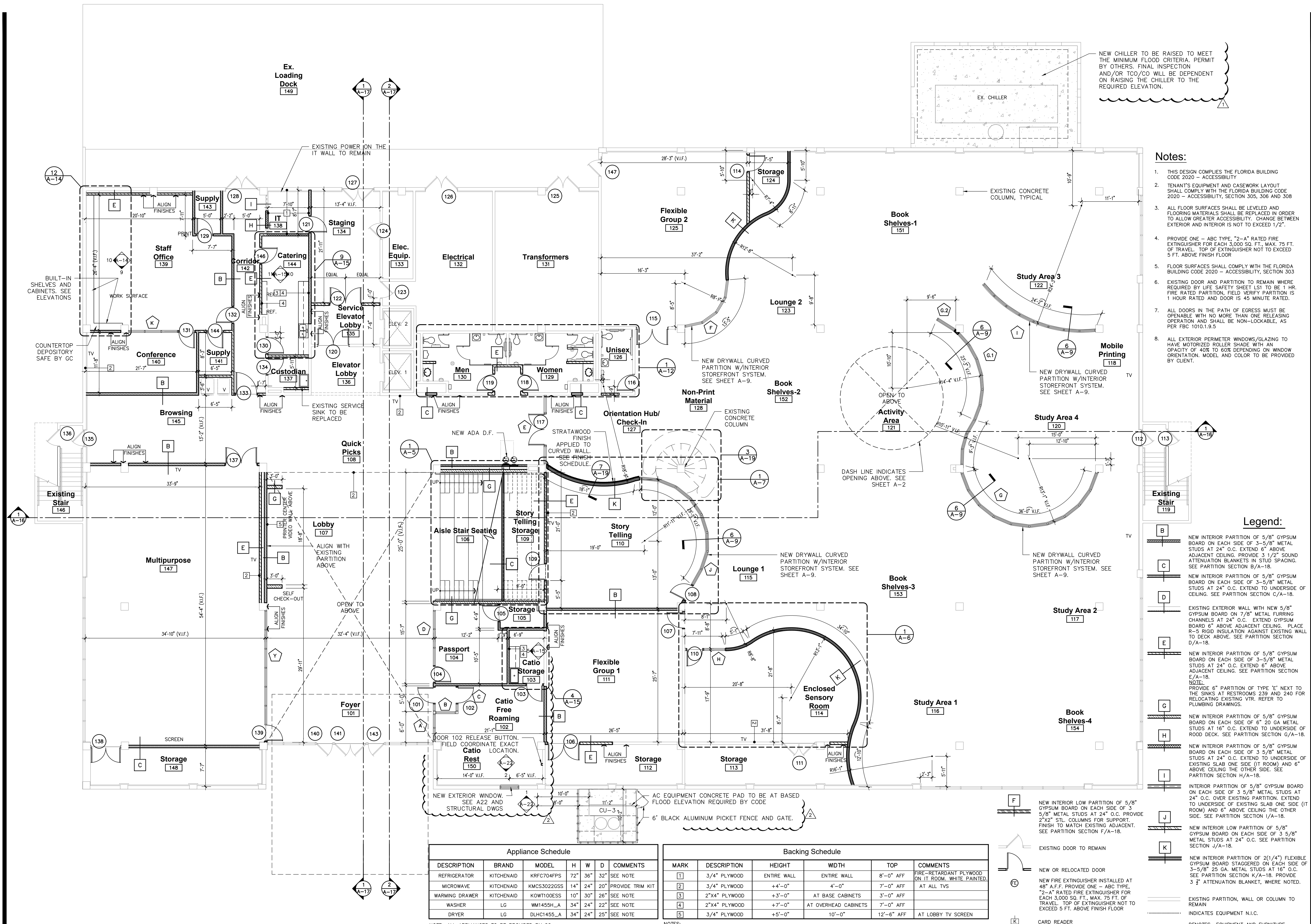
Owner:

Date	Revision
06-22-23	01-08-15-2023
202026	02-09-29-2023
	03-10-24-2023
	04-11-21-2023
	05-01-19-2024
	06-02-23-2024

Sheet

LS-2

of



First Floor Plan

Notes:

- THIS DESIGN COMPLIES THE FLORIDA BUILDING CODE 2020 - ACCESSIBILITY
- TENANT'S EQUIPMENT AND CASEWORK LAYOUT SHALL COMPLY WITH THE FLORIDA BUILDING CODE 2020 - ACCESSIBILITY, SECTION 305, 306 AND 308
- ALL FLOOR SURFACES SHALL BE LEVELED AND FLOORING MATERIALS SHALL BE REPLACED IN ORDER TO ALLOW GREATER ACCESSIBILITY. CHANGE BETWEEN EXTERIOR AND INTERIOR IS NOT TO EXCEED 1/2".
- PROVIDE ONE - ABC TYPE, "2-A" RATED FIRE EXTINGUISHER FOR EACH 3,000 SQ. FT., MAX. 75 FT. OF TRAVEL. TOP OF EXTINGUISHER NOT TO EXCEED 5 FT. ABOVE FINISH FLOOR
- FLOOR SURFACES SHALL COMPLY WITH THE FLORIDA BUILDING CODE 2020 - ACCESSIBILITY, SECTION 303
- EXISTING DOOR AND PARTITION TO REMAIN WHERE REQUIRED BY LIFE SAFETY SHEET LS1 TO BE 1 HR. FIRE RATED PARTITION, FIELD VERIFY PARTITION IS 1 HOUR RATED AND DOOR IS 45 MINUTE RATED.
- ALL DOORS IN THE PATH OF EGRESS MUST BE OPERABLE WITH NO MORE THAN ONE RELEASING OPERATION AND SHALL BE NON-LOCKABLE, AS PER FBC 1010.1.9.5
- ALL EXTERIOR PERIMETER WINDOWS/GLAZING TO HAVE MOTORIZED ROLLER SHADE WITH AN OPACITY OF 40% TO 60% DEPENDING ON WINDOW ORIENTATION. MODEL AND COLOR TO BE PROVIDED BY CLIENT.

Legend:

- B NEW INTERIOR PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS AT 24" O.C. EXTEND 6" ABOVE ADJACENT CEILING. PROVIDE 3 1/2" SOUND ATTENUATION BLANKETS IN STUD SPACING. SEE PARTITION SECTION B/A-18.
- C NEW INTERIOR PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS AT 24" O.C. EXTEND TO UNDERSIDE OF CEILING. SEE PARTITION SECTION C/A-18.
- D EXISTING EXTERIOR WALL WITH NEW 5/8" GYPSUM BOARD ON 7/8" METAL FURRING CHANNELS AT 24" O.C. EXTEND GYPSUM BOARD 6" ABOVE ADJACENT CEILING. PLACE R-5 RIGID INSULATION AGAINST EXISTING WALL TO DECK ABOVE. SEE PARTITION SECTION D/A-18.
- E NEW INTERIOR PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS AT 24" O.C. EXTEND 6" ABOVE ADJACENT CEILING. SEE PARTITION SECTION E/A-18.
- F PROVIDE 6" PARTITION OF TYPE 'E' NEXT TO THE SINKS AT RESTROOMS 239 AND 240 FOR RELOCATING EXISTING VTR. REFER TO PLUMBING DRAWINGS.
- G NEW INTERIOR PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 6" 20 GA METAL STUDS AT 16" O.C. EXTEND TO UNDERSIDE OF ROOF DECK. SEE PARTITION SECTION G/A-18.
- H NEW INTERIOR PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS AT 24" O.C. EXTEND TO UNDERSIDE OF EXISTING SLAB ONE SIDE (IT ROOM) AND 6" ABOVE CEILING THE OTHER SIDE. SEE PARTITION SECTION H/A-18.
- I INTERIOR PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS AT 24" O.C. OVER EXISTING PARTITION. EXTEND TO UNDERSIDE OF EXISTING SLAB ONE SIDE (IT ROOM) AND 6" ABOVE CEILING THE OTHER SIDE. SEE PARTITION SECTION I/A-18.
- J NEW INTERIOR LOW PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS AT 24" O.C. SEE PARTITION SECTION J/A-18.
- K NEW INTERIOR PARTITION OF 2(1/4") FLEXIBLE GYPSUM BOARD STAGGERED ON EACH SIDE OF 6" 25 GA. METAL STUDS AT 16" O.C. SEE PARTITION SECTION K/A-18.
- INDICATES EQUIPMENT N.I.C.
- DENOTES EQUIPMENT AND FURNITURE PROVIDED AND INSTALLED BY TENANT



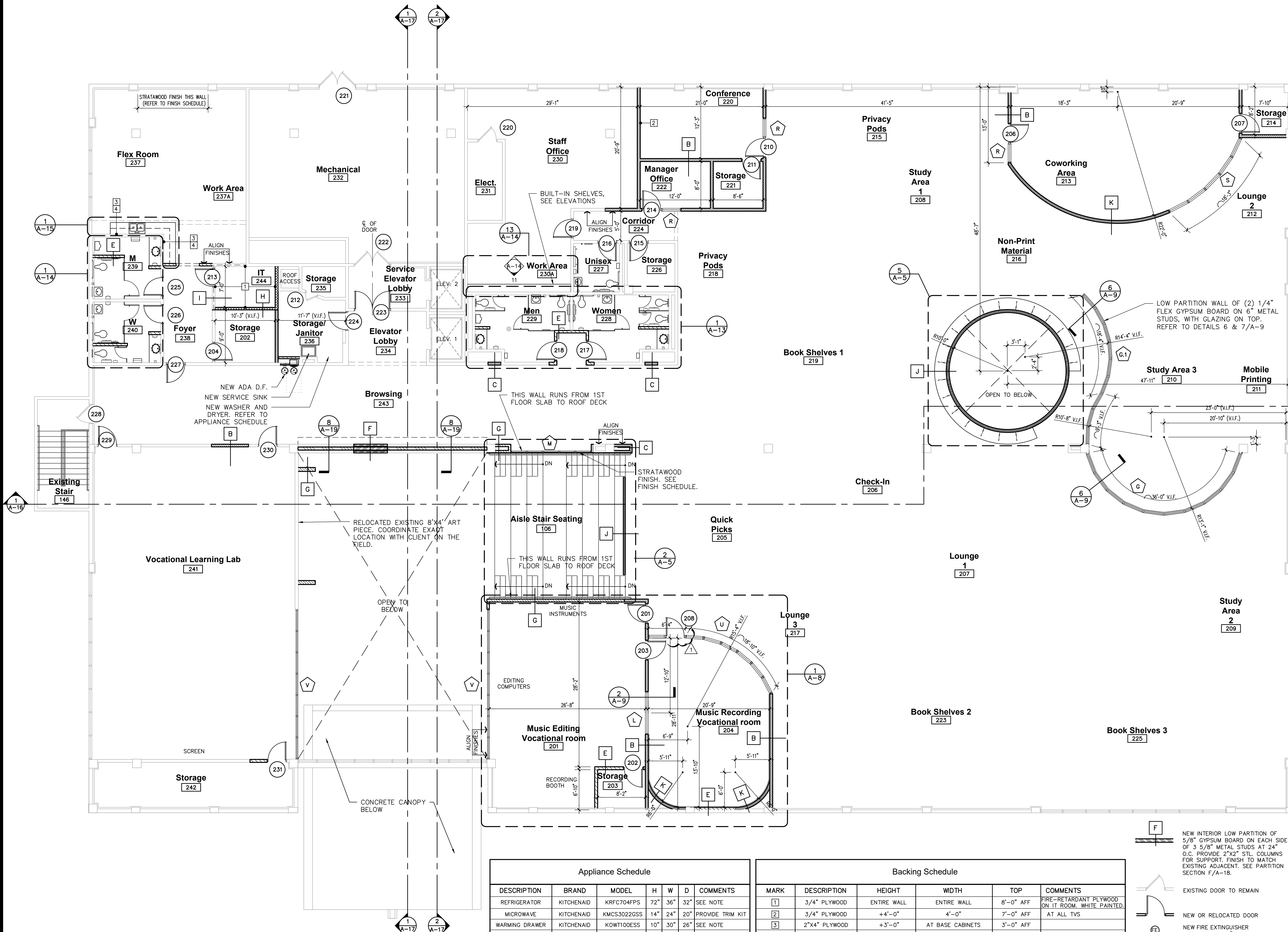
Appliance Schedule						
DESCRIPTION	BRAND	MODEL	H	W	D	COMMENTS
REFRIGERATOR	KITCHENAID	KRFC704FPS	72"	36"	32"	SEE NOTE
MICROWAVE	KITCHENAID	KMCS3022GSS	14"	24"	20"	PROVIDE TRIM KIT
WARMING DRAWER	KITCHENAID	KQWT100ESS	10"	30"	26"	SEE NOTE
WASHER	LG	WM1455H_A	34"	24"	22"	SEE NOTE
DRYER	LG	DLHC1455_A	34"	24"	25"	SEE NOTE

NOTE: ALL APPLIANCES TO BE PROVIDED AND INSTALLED BY GC.

Backing Schedule					
MARK	DESCRIPTION	HEIGHT	WIDTH	TOP	COMMENTS
1	3/4" PLYWOOD	ENTIRE WALL	ENTIRE WALL	8'-0" AFF	FIRE-RETARDANT PLYWOOD ON IT ROOM. WHITE PAINTED.
2	3/4" PLYWOOD	+4'-0"	4'-0"	7'-0" AFF	AT ALL TVs
3	2"x4" PLYWOOD	+3'-0"	AT BASE CABINETS	3'-0" AFF	
4	2"x4" PLYWOOD	+7'-0"	AT OVERHEAD CABINETS	7'-0" AFF	

- NOTES:
- SECURE BACKING WITH APPROVED SCREWS AT 12" OC AND/OR AT ALL CORNERS.
 - COORDINATE 2 WITH TV LOCATIONS AS APPROVED BY CLIENT.
 - PROVIDE 2"x8" BACKING AT ALL WALL HANG PLUMBING FIXTURE AND GRAB BARS.
 - PROVIDE 2"x8" BACKING AT ALL STAIR RAILINGS AND HANDRAILS.
 - PROVIDE 30 LF OF 1"x4" WOOD BACKING IN I.T. ROOM AT HEIGHT AND LOCATIONS TO BE DETERMINED BY CLIENT.

- F NEW INTERIOR LOW PARTITION OF 5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS AT 24" O.C. PROVIDE 2"x2" STL. COLUMNS FOR SUPPORT. FINISH TO MATCH EXISTING ADJACENT. SEE PARTITION SECTION F/A-18.
- EXISTING DOOR TO REMAIN
- NEW OR RELOCATED DOOR
- NEW FIRE EXTINGUISHER INSTALLED AT 48" A.F.F. PROVIDE ONE - ABC TYPE, "2-A" RATED FIRE EXTINGUISHER FOR EACH 3,000 SQ. FT., MAX. 75 FT. OF TRAVEL. TOP OF EXTINGUISHER NOT TO EXCEED 5 FT. ABOVE FINISH FLOOR
- K CARD READER



Light Fixture Schedule				
NO.	SIZE	DESCRIPTION	MANUFACTURER	QUANTITY
LT-1	2'x4'	CRUZE SB 2'x4' VOLUMETRIC TROFFER, MODEL: 24CZ-LD5-35-UNV-LB35-CD1-U-A3/8-4/18GDM	METALUX	303
LT-1E	2'x4'	CRUZE SB 2'x4' VOLUMETRIC TROFFER W/ BATTERY PACK, MODEL: 24CZ-LD5-35-UNV-EL7W-LB35-CD1-U-A3/8-4/18GDM	METALUX	89
LT-2	2'x2'	CRUZE SB 2'x2' VOLUMETRIC TROFFER, MODEL: 22CZ-LD5-34-UNV-LB35-CD1-U-A3/8-4/18GDM	METALUX	50
LT-2E	2'x2'	CRUZE SB 2'x2' VOLUMETRIC TROFFER, W BATTERY PACK, MODEL: 22CZ-LD5-34-UNV-LB35-CD1-U-A3/8-4/18GDM	METALUX	24
LT-3	4" DIA.	4" RECESSED DOWNLIGHT, MODEL: HC415D010 HM40525835 41MDHWF	HALO COMMERCIAL	81
LT-3E	4" DIA.	4" RECESSED DOWNLIGHT WITH BATTERY, MODEL: HC415D010EM7 HM40525835 41MDHWFEM	HALO COMMERCIAL	18
LT-3A	4" DIA.	4" RECESSED ADJUSTABLE DOWNLIGHT, MODEL: LDA3B10R40-90-35-D010 E3AAHSFWF HB26	PORTFOLIO	4
LT-3AE	4" DIA.	4" RECESSED ADJUSTABLE DOWNLIGHT W BATTERY, MODEL: LDA3B10R40-90-35-D010-EM7-E3AAHSFWF HB26	PORTFOLIO	3
LT-4	24" DIA.	2" ROUND SURFACE LED, MODEL: PCROS-24-ULO-SW-80-3500-35-UNV-D1-1-SUR-W	LUMENWERX	7
LT-4E	24" DIA.	2" ROUND SURFACE LED W/ BATTERY, MODEL: PCROS-24-ULO-FH-SW-80-3500-35-UNV-D1-1EB-SUR-W	LUMENWERX	10
LT-5	48" DIA.	4" ROUND SURFACE LED, MODEL: PCROS-48-ULO-FH-80-SW-7000-35-UNV-D1-1-SUR-W	LUMENWERX	6
LT-5E	48" DIA.	4" ROUND SURFACE LED W BATTERY, MODEL: PCROS-48-ULO-FH-80-SW-7000-35-UNV-D1-1EB-SUR-W	LUMENWERX	5
LT-6	48" DIA.	4" ROUND PENDANT LED, MODEL: PCROPD-48-ULO-FH-SW-80-7000-35-UNV-D1-1-SWAC36-WPC-W	LUMENWERX	23
LT-6E	48" DIA.	4" ROUND PENDANT LED W/BATTERY, MODEL: PCROPD-48-ULO-FH-SW-80-7000-35-UNV-D1-1-EB-5WAC36-WPC-W	LUMENWERX	-
LT-7	12"x48"	1'x4' STRIP LIGHT, MODEL: 4SNLED-LD5-44HL-LW-UNV-LB35-CD1-U	METALUX	2
LT-7E	12"x48"	1'x4' STRIP LIGHT W/ EMERGENCY, MODEL: 4SNLED-LD5-44HL-LW-UNV-EL14W-LB35-CD1-U	METALUX	2
LT-8	20" DIA.	POP COLOR ROUND 24, MODEL: PCROS24U02RSW904500-35-UNV-D1-1-SUR-W	LUMENWERX	-
LT-8E	20" DIA.	POP COLOR ROUND 24 W BATTERY, MODEL: PCROS24U02RSW904500-35-UNV-D1-1EB-SUR-W	LUMENWERX	2
LT-9	VARIES	COVE LIGHT FIXTURE, MODEL: CSOSL-BSC7-120-ID-UNV-W-SA-STD1F CS-10V-STD	IO	REFER TO PLAN
LT-9A	VARIES	AL COVE DMX COVE LIGHT, MODEL: ACA-242-1AAHN (2 SENSORY RM & STORY TELLING SPACES ONLY)	ACCLAIM	REFER TO PLAN
LT-10	48" DIA.	4" CURVIA RING DIRECT LIGHT, MODEL: CUVARIP-D-4-HLO-NA-SW-90-500-NA-35-UNV-D1-1C-WAC-W-XXIN-DRC-W	LUMENWERX	1
LT-11*	6", 8" & 12" DIA.	TANGENT UPDOWN LED TBAR GRID LIGHT FIXTURE, MODEL: TANULED-PC-9.42-3-53K-HO-W-W-UNV	VOKSLYTE	2, 1 & 1
LT-12*	17" DIA.	HELENA PENDANT CEILING LIGHT FIXTURE, MODELS: PD9117-WH/GD PD9117-WH/SV PD9117-WH/BU	KUZCO	7
LT-13*	2', 3' & 4'	VIA 1.5 RECESSED TRIMLESS DIRECT (2", 3", AND 4"), MODEL: VIA1.5R-D-HLO-FH-LED-QUADRO-9W-2FT-277-D1-1C-DTL-W	LUMENWERX	18, 48 & 25
LT-14	2" DIA.	AERA 2" DOWNLIGHT FOR ELEVATOR THRESHOLDS, MODEL: AE2RRB-TRM-SW-OF-ASB-UNV-10W-D1	LUMENWERX	2
LT-15	STANDARD	EDGE LIT EXIT SIGN, MODEL: UEL-EM-G-1C2M-MTEBR	ISOLITE	REFER TO LS PLANS
LT-16	24" DIA.	ELIA ROUND PENDANT, MODEL: ELIRP-24-ULO-SW-90-24-5000-35-UNV-D1-1C-WH-WAC-SC-48-W	LUMENWERX	11

* THREE DIFFERENT MODELS TO NOTE (3) DIAMETERS FOR LT-11, (3) INTERIOR FINISH FOR LT-12, AND (3) LINEAR LENGTH FOR LT-13. REFER TO ELECTRICAL DRAWINGS.

Ceiling Legend

2'x4" LAY-IN LED LIGHT FIXTURE LT-1

2'x4" LAY-IN LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-1E

2'x2" LAY-IN LED LIGHT FIXTURE LT-2

2'x2" LAY-IN LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-2E

RECESSED CEILING LED DOWNLIGHT LT-3. SEE PLANS

RECESSED CEILING LED DOWNLIGHT AND EMERGENCY BATTERY PACK LT-3E. SEE PLANS

ADJUSTABLE RECESSED CEILING LED DOWNLIGHT LT-3A. SEE PLANS

ADJUSTABLE RECESSED CEILING LED DOWNLIGHT AND EMERGENCY BATTERY PACK LT-3AE. SEE PLANS

SURFACE MOUNTED CEILING LED LIGHT FIXTURE LT-4

SURFACE MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-4E

SURFACE MOUNTED CEILING LED LIGHT FIXTURE LT-5

SURFACE MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-5E

PENDANT CEILING LED LIGHT FIXTURE LT-6

PENDANT CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-6E

48" SUSPENDED LED INDUSTRIAL LIGHT FIXTURE LT-7

48" SUSPENDED LED INDUSTRIAL LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-7E

FLUSHED MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-8E

COVE LED LIGHT FIXTURE LT-9

PENDANT RING CEILING LED LIGHT LT-10

PENDANT RING CEILING LED LIGHT LT-11. SIZE VARIABLE. SEE PLAN AND SCHEDULE.

PENDANT CEILING LIGHT FIXTURE LT-12. INTERIOR COLOR VARIABLE. PLAN AND SCHEDULE.

RECESSED TRIMLESS LIGHT FIXTURE LT-13. SIZE VARIABLE. EMERGENCY LIGHT ON GENERATOR. SEE PLAN AND SCHEDULE.

PENDANT CEILING LIGHT FIXTURE LT-16. SEE PLAN AND SCHEDULE.

ARMSTRONG TECTUM SHAPES 6", 4", 3", 2" DIAMETER, AT VARIABLE HEIGHTS AFF.

NOTE: GENERAL CONTRACTOR TO COORDINATE FIXTURE HEIGHTS WITH ARCHITECT AT TIME OF INSTALLATION.

ARMSTRONG INFUSIONS SHAPES 6", 4", 3", 2" DIAMETER, AT VARIABLE HEIGHTS AFF.

NOTE: GENERAL CONTRACTOR TO COORDINATE FIXTURE HEIGHTS WITH ARCHITECT AT TIME OF INSTALLATION.

EXIT SIGN

HVAC SUPPLY DIFFUSER

HVAC RETURN AIR GRILLE

HVAC SUPPLY LINEAR DIFFUSER

HVAC RETURN LINEAR AIR GRILLE

EXHAUST GRILLE AND FAN WITH PAINT FINISH TO MATCH CEILING COLOR

EXHAUST FAN CEILING MOUNTED GALVANIZED METAL ACCESS PANEL. PAINT FINISH. GC TO CONFIRM SIZE WITH EQUIPMENT TO BE SERVED.

SPRINKLER HEAD

SMOKE DETECTOR

CEILING MOUNTED PROJECTOR

ELECTRICAL JUNCTION ABOVE CEILING

SECURITY CAMERA. PROVIDE 6" MIN. OF CLEARANCE AROUND OUTLET BOXES FOR INTERIOR CAMERA INSTALLATION AND 3 FT MAX. AROUND BOXES FOR EXTERIOR CAMERA INSTALLATION. MODEL MERAKI MV12W TO BE CONFIRMED.

WIFI ACCESS POINT. PROVIDE 10" MIN. OF CLEARANCE AROUND OUTLET BOXES FOR INSTALLATION. MODELS MERAKI MR45 & MR46 TO BE CONFIRMED.

WIRELINE ADVANTAGE AUTOMATIC ELECTRIC PROJECTION SCREEN 137" WIDE. PROVIDE SPECS FOR APPROVAL PRIOR TO ORDERING.

5/8" GYPSUM BOARD ON 3" 8" 25 GA METAL FRAMING SPACED 24" O.C. WITH PAINT FINISH

VALCOM LAY-IN 2'x2' CEILING SPEAKER WITH BACKBOX 1-WAY PAGING MODEL V-9022A-2

NEW 2'x2' ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. SEE FINISH SCHEDULE.

NEW 4'x4' ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. SEE FINISH SCHEDULE.

NOTE: ALL ITEMS AND SYSTEMS ARE NEW EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE, INCLUDING HVAC GRILLES AND DUCTS. ALL SWITCH/OUTLET COVERS TO BE REPLACED TO MATCH NEW. THE FOLLOWING NOMENCLATURE IS FOR INFORMATION ONLY:
E DENOTES EXISTING TO BE REPLACED
R DENOTES EXISTING TO BE RELOCATED/REPLACED
RP DENOTES EXISTING TO BE REPLACED/RELOCATED IN SAME LOCATION

NOTE: ALL INTERIOR CAMERAS AND ACCESS POINTS ON THE CEILINGS AND WALLS WILL NEED FLUSH MOUNTED 1-GANG OUTLET BOXES.

FORBES ARCHITECTS

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AR0009810

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Project:

South Dade Regional Library
Interior Alteration
10750 SW 21st Street
Cutler Bay, FL 33189

Date

05-22-23

Commission

20026

Revisions

11-X-2024

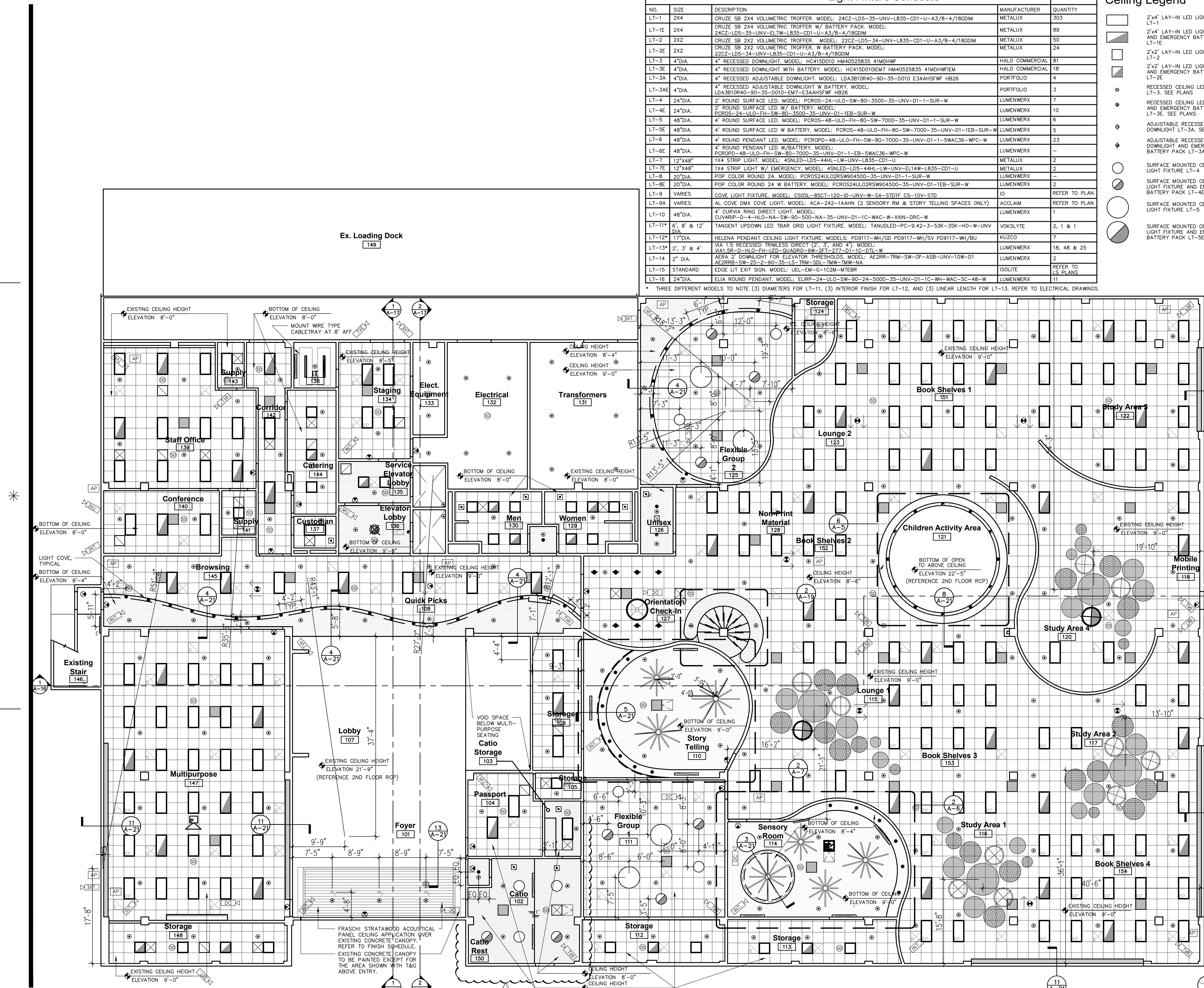
Owner:

Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

Sheet

A-3

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Ceiling Legend

- 2'x4' LAY-IN LED LIGHT FIXTURE LT-1
- 2'x4' LAY-IN LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-1E
- 2'x2' LAY-IN LED LIGHT FIXTURE LT-2
- 2'x2' LAY-IN LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-2E
- RECESSED CEILING LED DOWNLIGHT LT-3. SEE PLANS
- RECESSED CEILING LED DOWNLIGHT AND EMERGENCY BATTERY PACK LT-3E. SEE PLANS
- ADJUSTABLE RECESSED CEILING LED DOWNLIGHT LT-3A. SEE PLANS
- ADJUSTABLE RECESSED CEILING LED DOWNLIGHT AND EMERGENCY BATTERY PACK LT-3AE. SEE PLANS
- SURFACE MOUNTED CEILING LED LIGHT FIXTURE LT-4
- SURFACE MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-4E
- SURFACE MOUNTED CEILING LED LIGHT FIXTURE LT-5
- SURFACE MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-5E

- PENDANT CEILING LED LIGHT FIXTURE LT-6
- PENDANT CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-6E
- 48" SUSPENDED LED INDUSTRIAL LIGHT FIXTURE LT-7
- 48" SUSPENDED LED INDUSTRIAL LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-7E
- FLUSHED MOUNTED CEILING LED LIGHT FIXTURE AND EMERGENCY BATTERY PACK LT-8E
- COVE LED LIGHT FIXTURE LT-9
- PENDANT RING CEILING LED LIGHT LT-10
- PENDANT RING CEILING LED LIGHT LT-11. SIZE VARIABLE. SEE PLAN AND SCHEDULE.
- PENDANT CEILING LIGHT FIXTURE LT-12. INTERIOR COLOR VARIABLE. PLAN AND SCHEDULE.
- RECESSED TRIMLESS LIGHT FIXTURE LT-13. SIZE VARIABLE. EMERGENCY LIGHT ON GENERATOR. SEE PLAN AND SCHEDULE.
- PENDANT CEILING LIGHT FIXTURE LT-16. SEE PLAN AND SCHEDULE.

ARMSTRONG TECTUM SHAPES 6", 4", 3", 2" DIAMETER. AT VARIABLE HEIGHTS AFF.

NOTE: GENERAL CONTRACTOR TO COORDINATE FIXTURE HEIGHTS WITH ARCHITECT AT TIME OF INSTALLATION.

ARMSTRONG INFUSIONS SHAPES 6", 4", 3", 2" DIAMETER AT VARIABLE HEIGHTS AFF.

NOTE: GENERAL CONTRACTOR TO COORDINATE FIXTURE HEIGHTS WITH ARCHITECT AT TIME OF INSTALLATION.

- EXIT SIGN
- HVAC SUPPLY DIFFUSER
- HVAC RETURN AIR GRILLE
- HVAC SUPPLY LINEAR DIFFUSER
- HVAC RETURN LINEAR AIR GRILLE
- EXHAUST GRILLE AND FAN WITH PAINT FINISH TO MATCH CEILING COLOR
- EXHAUST FAN CEILING MOUNTED GALVANIZED METAL ACCESS PANEL. PAINT FINISH GC TO CONFORM SIZE WITH EQUIPMENT TO BE SERVED.
- SPRINKLER HEAD
- SMOKE DETECTOR
- CEILING MOUNTED PROJECTOR
- ELECTRICAL JUNCTION ABOVE CEILING
- SECURITY CAMERA. PROVIDE 6" MIN. OF CLEARANCE AROUND OUTLET BOXES FOR INTERIOR CAMERA INSTALLATION AND 3 FT MAX. AROUND BOXES FOR EXTERIOR CAMERA INSTALLATION. MODEL MERAKI MV12W TO BE CONFIRMED.
- WIFI ACCESS POINT. PROVIDE 10" MIN. OF CLEARANCE AROUND OUTLET BOXES FOR INSTALLATION. MODELS MERAKI MR45 & MR46 TO BE CONFIRMED.
- WIPELINE ADVANTAGE AUTOMATIC ELECTRIC PROJECTION SCREEN. 137" WIDE. PROVIDE SPECS FOR APPROVAL PRIOR TO ORDERING.
- 5/8" GYPSUM BOARD ON 3/8" 25 GA METAL FRAMING SPACED 24" O.C. WITH PAINT FINISH
- VALCOM LAY-IN 2'X2' CEILING SPEAKER WITH BACKBOX 1-WAY PAGING MODEL V-9022A-2
- NEW 2'X2' ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. SEE FINISH SCHEDULE.
- NEW 4'X4' ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. SEE FINISH SCHEDULE.

NOTE: ALL ITEMS AND SYSTEMS ARE NEW EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE, INCLUDING HVAC GRILLES AND DUCTS. ALL SWITCH/OUTLET COVERS TO BE REPLACED TO MATCH NEW. THE FOLLOWING NOMENCLATURE IS FOR INFORMATION ONLY:

E DENOTES EXISTING TO BE REPLACED
R DENOTES EXISTING TO BE RELOCATED/REPLACED
RP DENOTES EXISTING TO BE REPLACED/RELOCATED IN SAME LOCATION

NOTE: ALL INTERIOR CAMERAS AND ACCESS POINTS ON THE CEILINGS AND WALLS WILL NEED FLUSH MOUNTED 1-GANG OUTLET BOXES.

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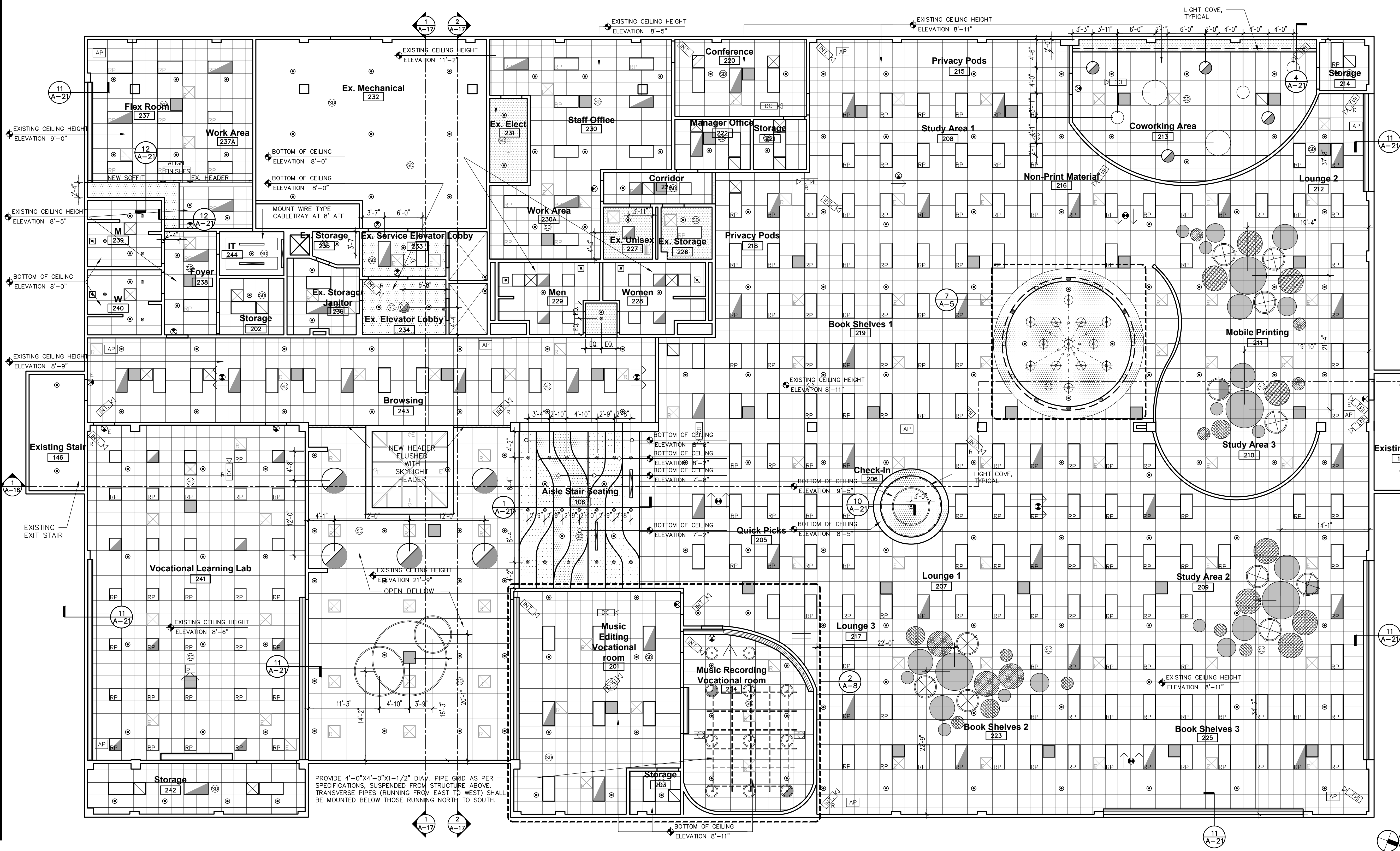
NOTE: ALL INTERIOR CAMERAS AND ACCESS POINTS ON THE CEILINGS AND WALLS WILL NEED FLUSH MOUNTED 1-GANG OUTLET BOXES.

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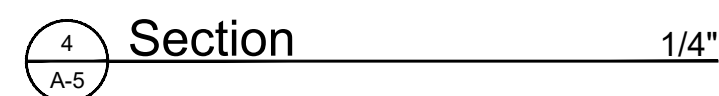
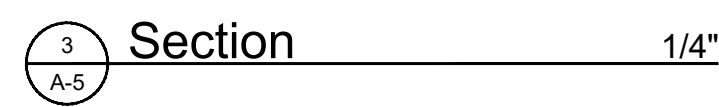
NOTE: ALL INTERIOR CAMERAS AND ACCESS POINTS ON THE CEILINGS AND WALLS WILL NEED FLUSH MOUNTED 1-GANG OUTLET BOXES.

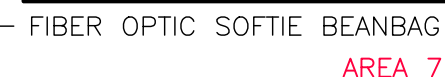
Reflected Ceiling Plan 1/8"

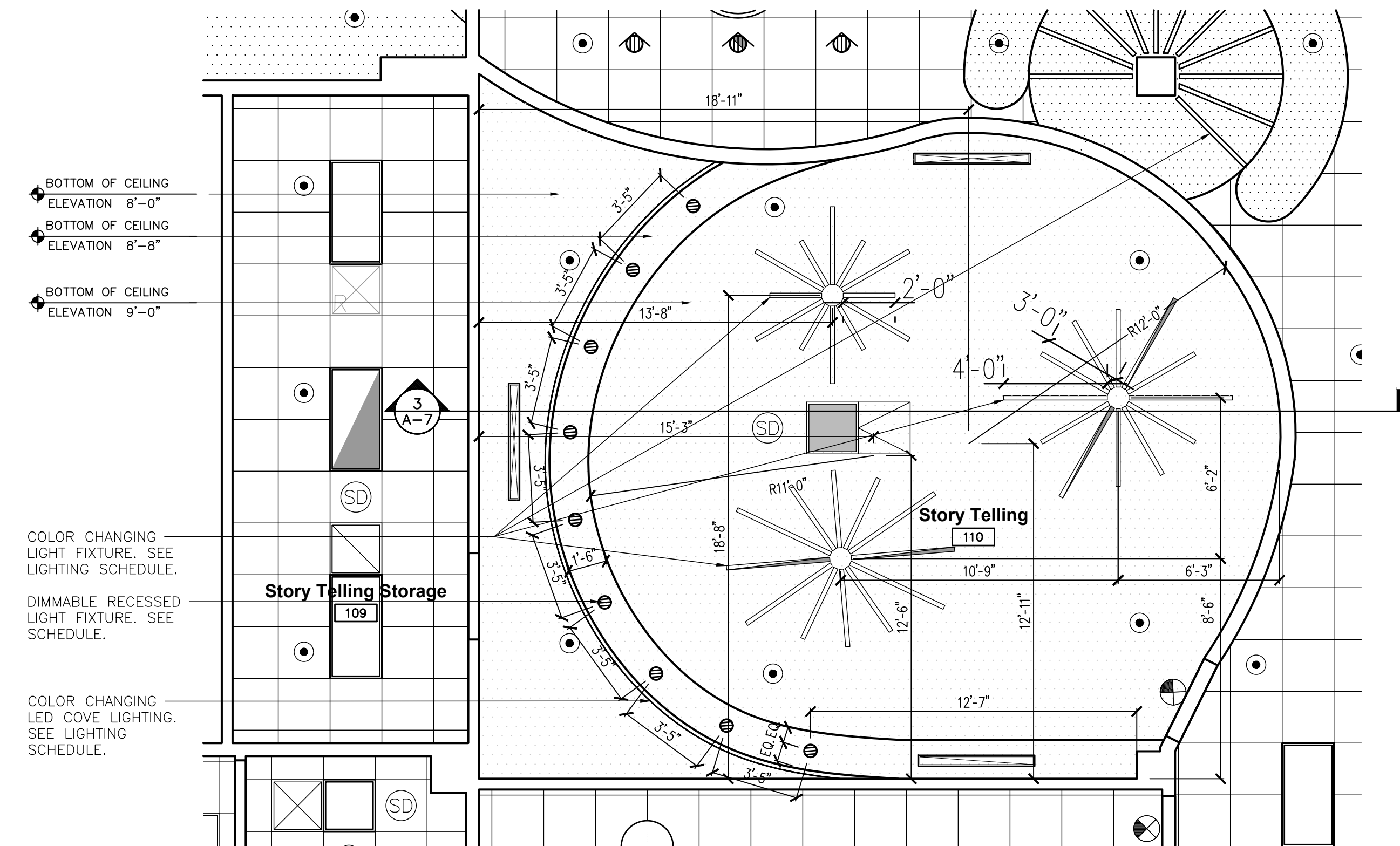
2nd Floor Plan



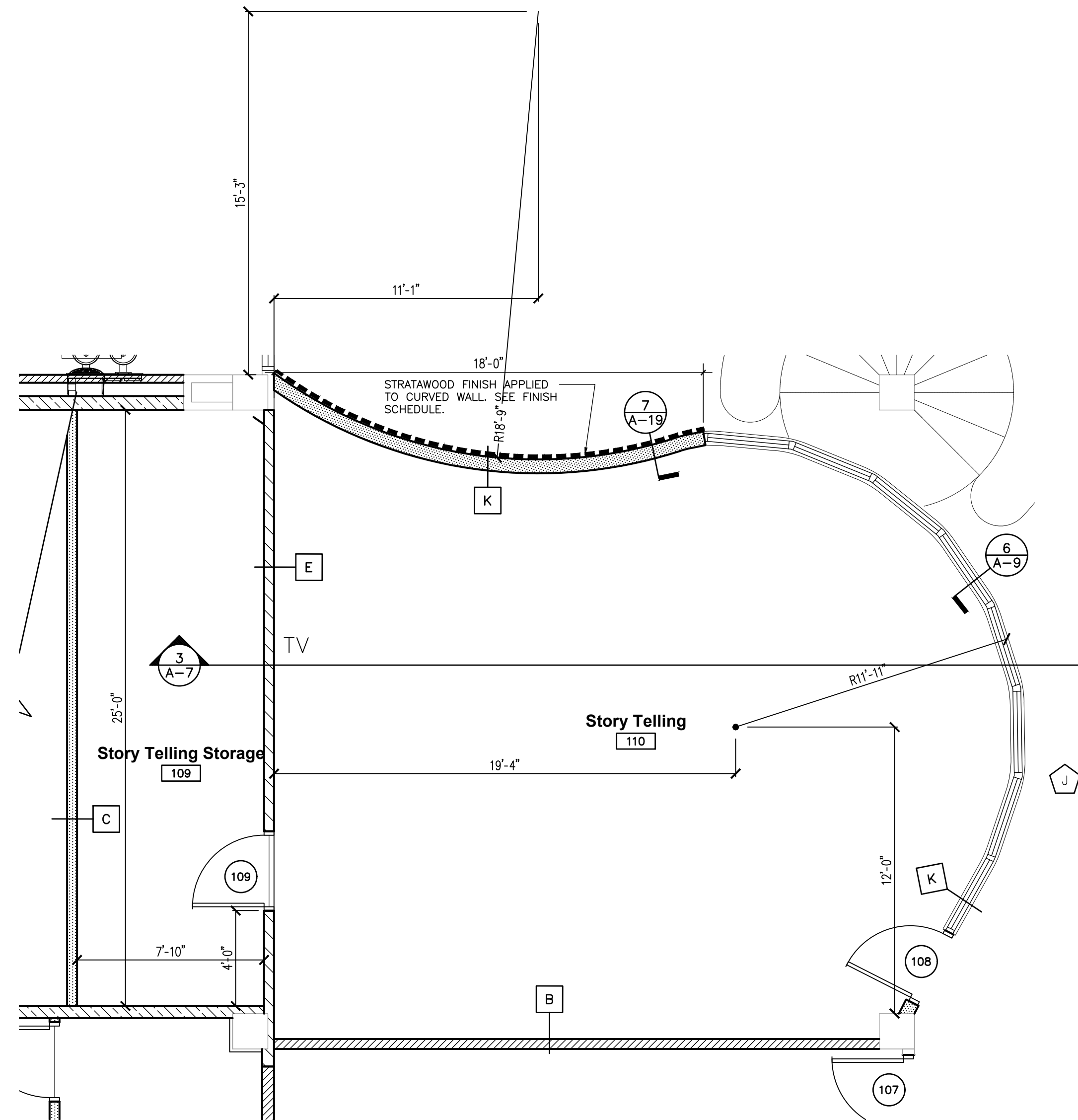
PROVIDE 4'-0"X4'-0"X1-1/2" DIAM. PIPE GRID AS PER SPECIFICATIONS, SUSPENDED FROM STRUCTURE ABOVE. TRANSVERSE PIPES (RUNNING FROM EAST TO WEST) SHALL BE MOUNTED BELOW THOSE RUNNING NORTH TO SOUTH.



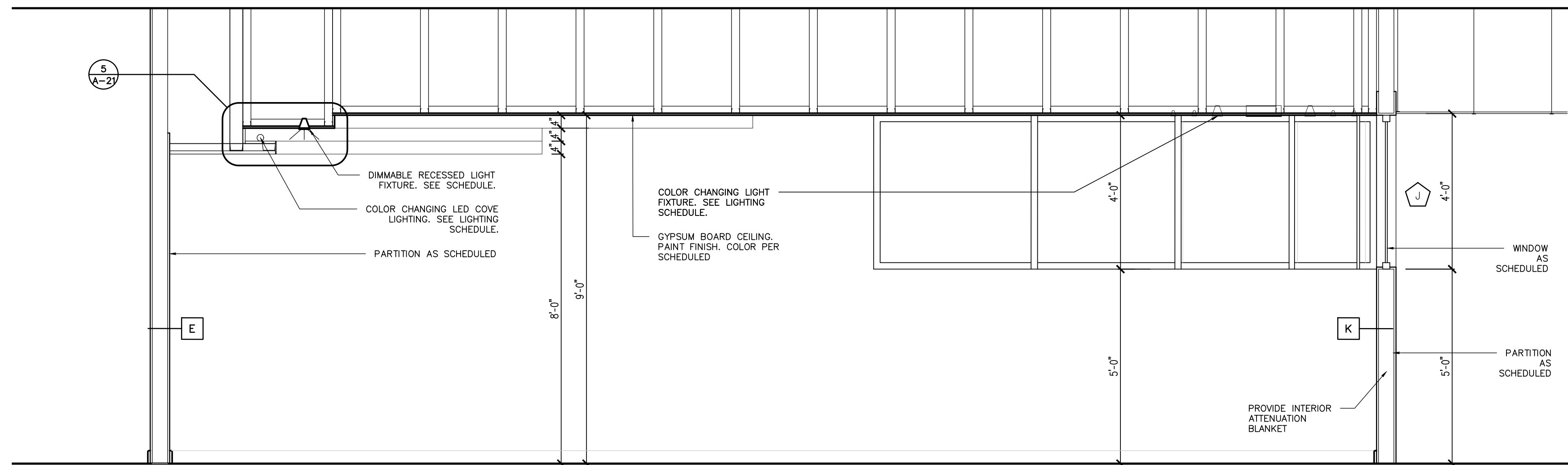




2 Story Telling Enlarged RCP 1/4" First Floor



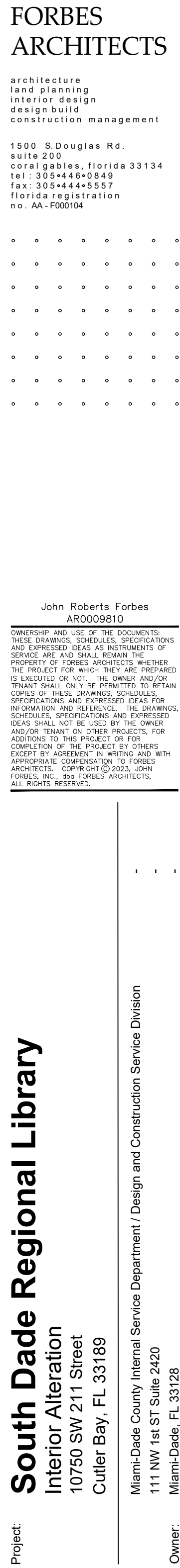
1 Story Telling Enlarged Plan 1/4" First Floor

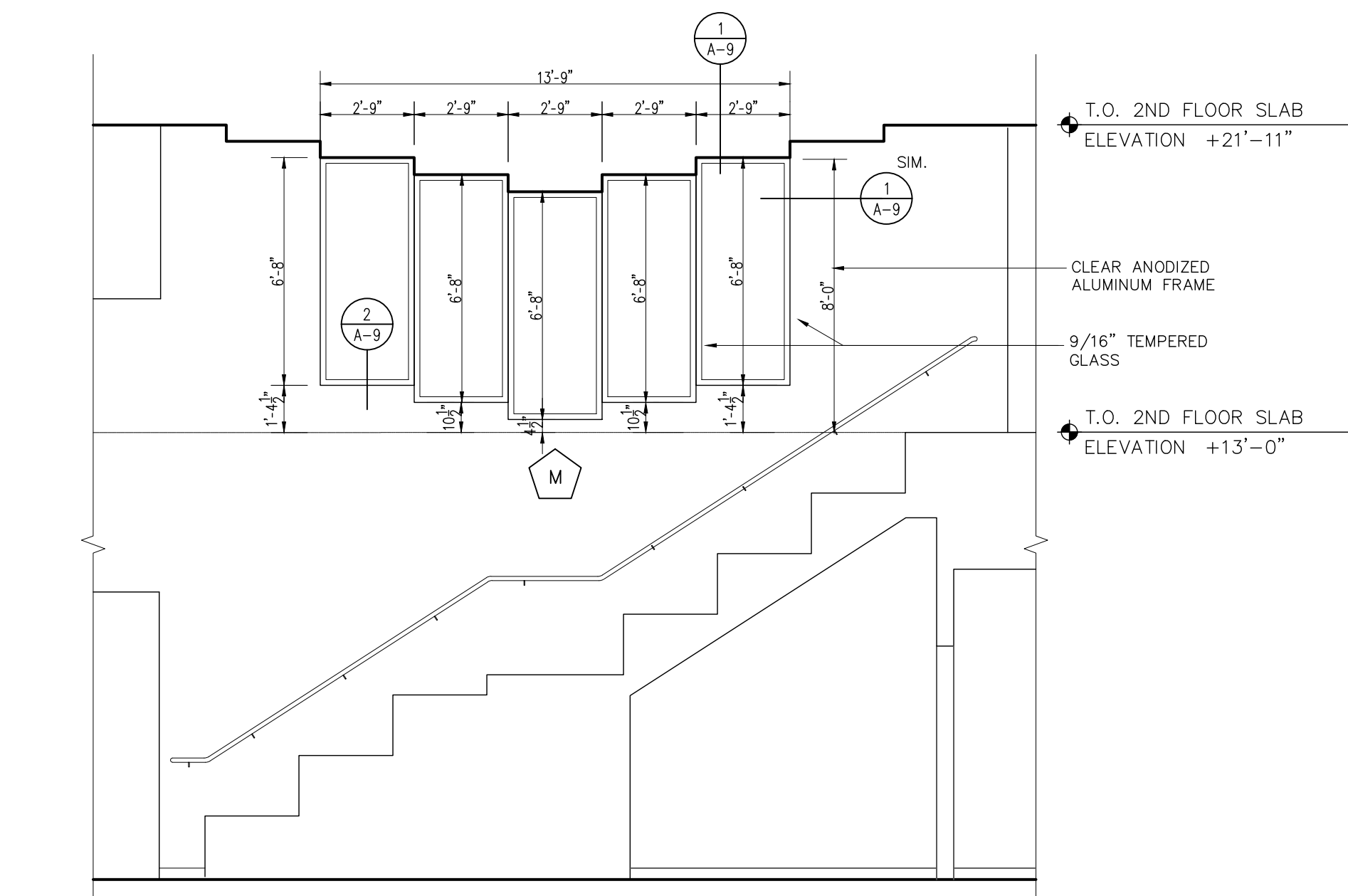


3 Story Telling Section 1/2" First Floor

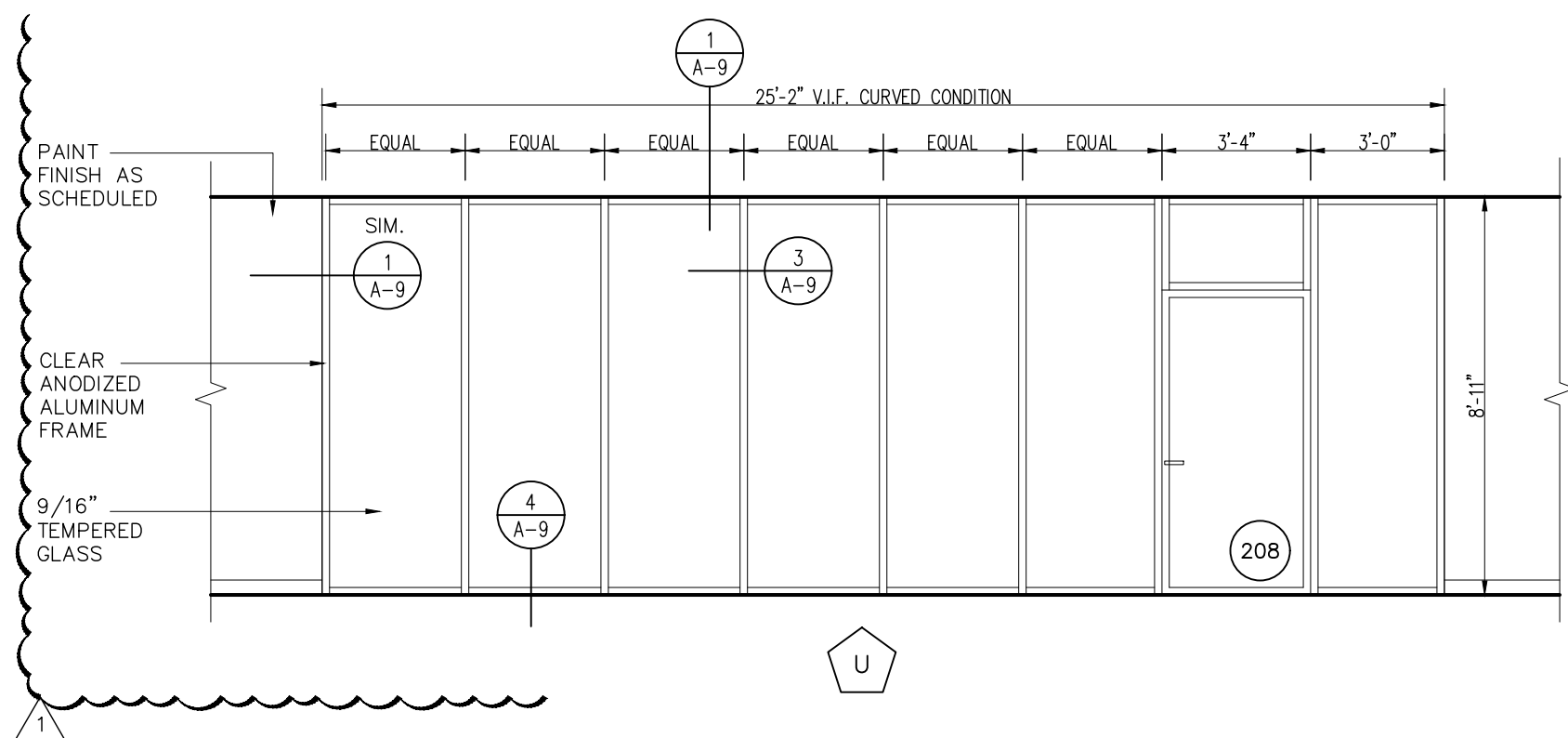
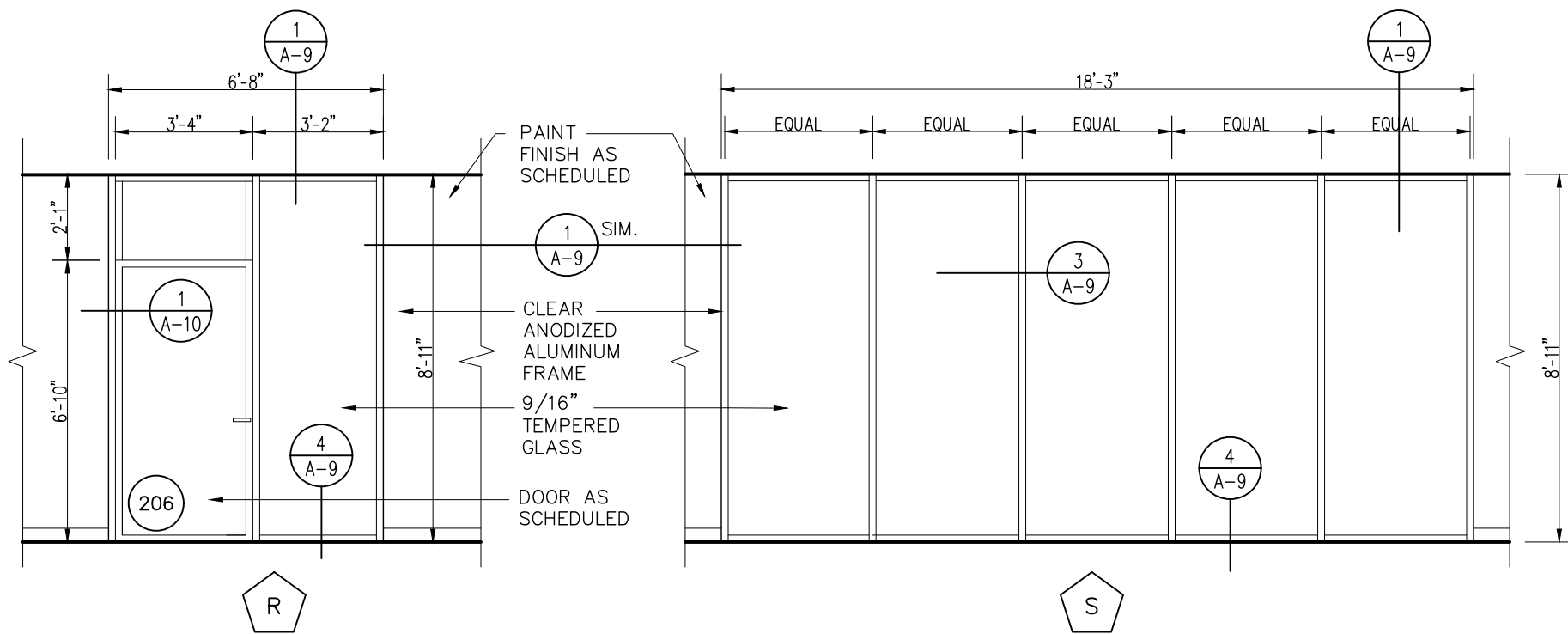


NOTE: ALL GLASS AT INTERIOR WINDOWS SHALL BE SAFETY GLAZING AS PER ANSI Z97.1, CPSC 16 CFR 1201, CATEGORY 2
FIELD CONDITIONS TO BE VERIFIED BEFORE ANY WINDOW MANUFACTURE ORDER.

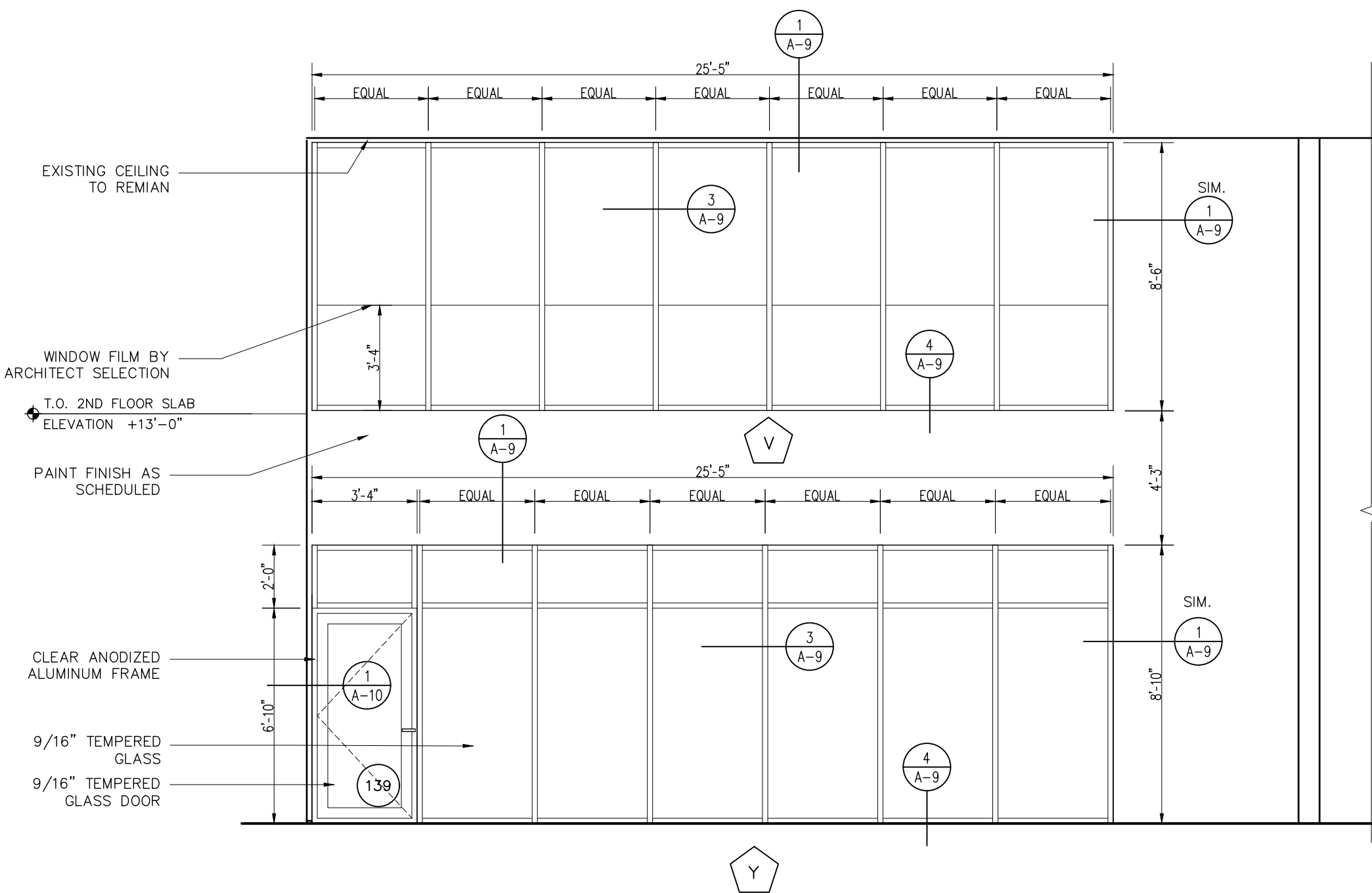




NOTE:
ALL WINDOWS AT CLOSED ROOMS TO HAVE ROLLER SHADES OR PRIVACY FILM. PLEASE REFER TO PLANS AND WINDOW ELEVATIONS. GC TO CONFIRM SELECTION WITH ARCHITECT.



INTENTIONALLY
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AR0009810

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Interior Alteration
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Culter Bay, FL 33189

Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

Project:

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A-9.1

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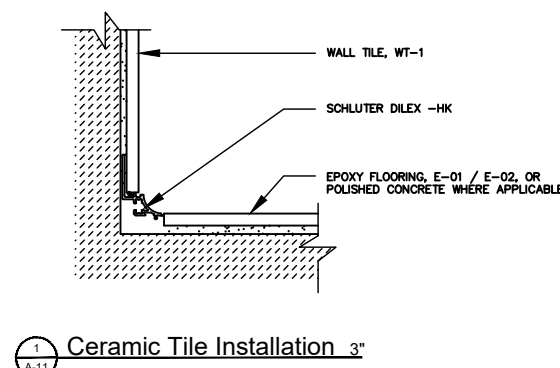
	DOOR		DOOR SIZE			MATERIAL			FINISH		DETAILS			LABEL	DOOR HARDWARE			REMARKS
	No.	TYPE	W.	H.	T.	DOOR	CORE	FRAME	DOOR	FRAME	JAMB	HEAD	SILL		SET NO.	CLOSER	STOP	
Door Schedule Second Floor	201	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		2	YES	W	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.
	202	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	W	
	203	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		3	YES	F	
	204	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	W	
	205	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	12/A-10		EXIST.	YES	F	EX. 60MIN FIRE RATED DOOR V.I.F.
	206	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		2	YES	-	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.
	207	D	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	W	
	208	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		2	YES	-	
	209	INTENTIONALLY OMITTED																
	210	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	4/A-10		2	YES	-	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.
	211	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	W	
	212	D	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	10/A-10		4	-	-	
	213	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	-	
	214	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	4/A-10		2	YES	W	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.
	215	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	W	
	216	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	8/A-10		5	YES	W	SEE HARDWARE NOTE.
	217	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	19/A-10		3	YES	W	
	218	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	19/A-10		3	YES	W	
	219	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	4/A-10		2	YES	F	
	220	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	5/A-10		EXIST.	YES	F	EX. 60MIN FIRE RATED DOOR V.I.F.
	221	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.			EXIST.	YES	-	EX. 60MIN FIRE RATED DOOR V.I.F.
	222	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	10/A-10		EXIST.	YES	-	EX. 60MIN FIRE RATED DOOR V.I.F.
	223	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	17/A-10		4	YES	-	
	224	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	17/A-10		4	-	-	
	225	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	7/A-10		3	YES	W	
	226	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	7/A-10		3	YES	W	
	227	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	17/A-10		3	YES	-	
	228	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	21/A-10		EXIST.	YES	F	EX. 60MIN FIRE RATED DOOR V.I.F.
	229	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	20/A-10		2	YES	F	
	230	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	20/A-10		2	YES	-	FITTED WITH PANIC HARDWARE
	231	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	-	

Door Hardware	HARDWARE SET NO. 1 HINGES: 2 PAIR 4 1/2 X 4 1/2 - BUILDING STANDARD, ANSI 626 SATIN CHROME FINISH. LOCKSET: SUITE ENTRY - (KEYED) W/ 4" ADA COMPLIANT LEVER, SCHLAGE "L" SERIES	HARDWARE SET NO. 4 HINGES: 2 PAIR 4 1/2 X 4 1/2 - BUILDING STANDARD, ANSI 626 SATIN CHROME FINISH. LOCKSET: STOREROOM TYPE - (KEYED) W/ 4" ADA COMPLIANT LEVER, SCHLAGE "L" SERIES
	HARDWARE SET NO. 2 HINGES: 2 PAIR 4 1/2 X 4 1/2 - BUILDING STANDARD, ANSI 626 SATIN CHROME FINISH. LOCKSET: OFFICE TYPE - (KEYED) W/ 4" ADA COMPLIANT LEVER, SCHLAGE "S" SERIES	HARDWARE SET NO. 5 HINGES: 2 PAIR 4 1/2 X 4 1/2 - BUILDING STANDARD, ANSI 626 SATIN CHROME FINISH. LOCKSET: PRIVACY TYPE - W/ 4" ADA COMPLIANT LEVER, SCHLAGE "S" SERIES NOTE: HARDWARE TO SHOW THE "VACANT" INDICATOR FOR UNISEX RESTROOMS DOORS.
	HARDWARE SET NO. 3 HINGES: 2 PAIR 4 1/2 X 4 1/2 - BUILDING STANDARD, ANSI 626 SATIN CHROME FINISH. LOCKSET: PASSAGE TYPE - W/ 4" ADA COMPLIANT LEVER, SCHLAGE "S" SERIES	
	NOTE: HARDWARE SET NUMBER 1, 2, AND 4 SHOULD BE ORDERED WITH THE LARGE FORMAT REMOVABLE CORE OPTION.	

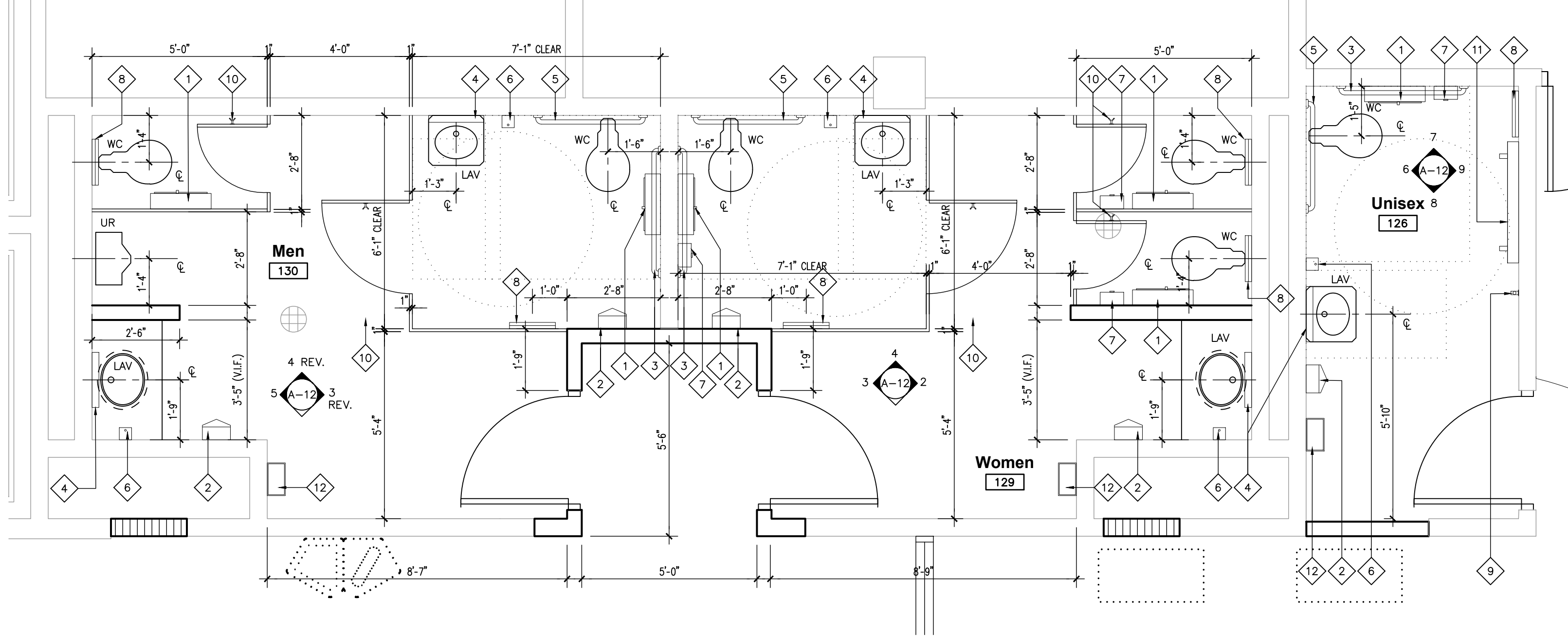
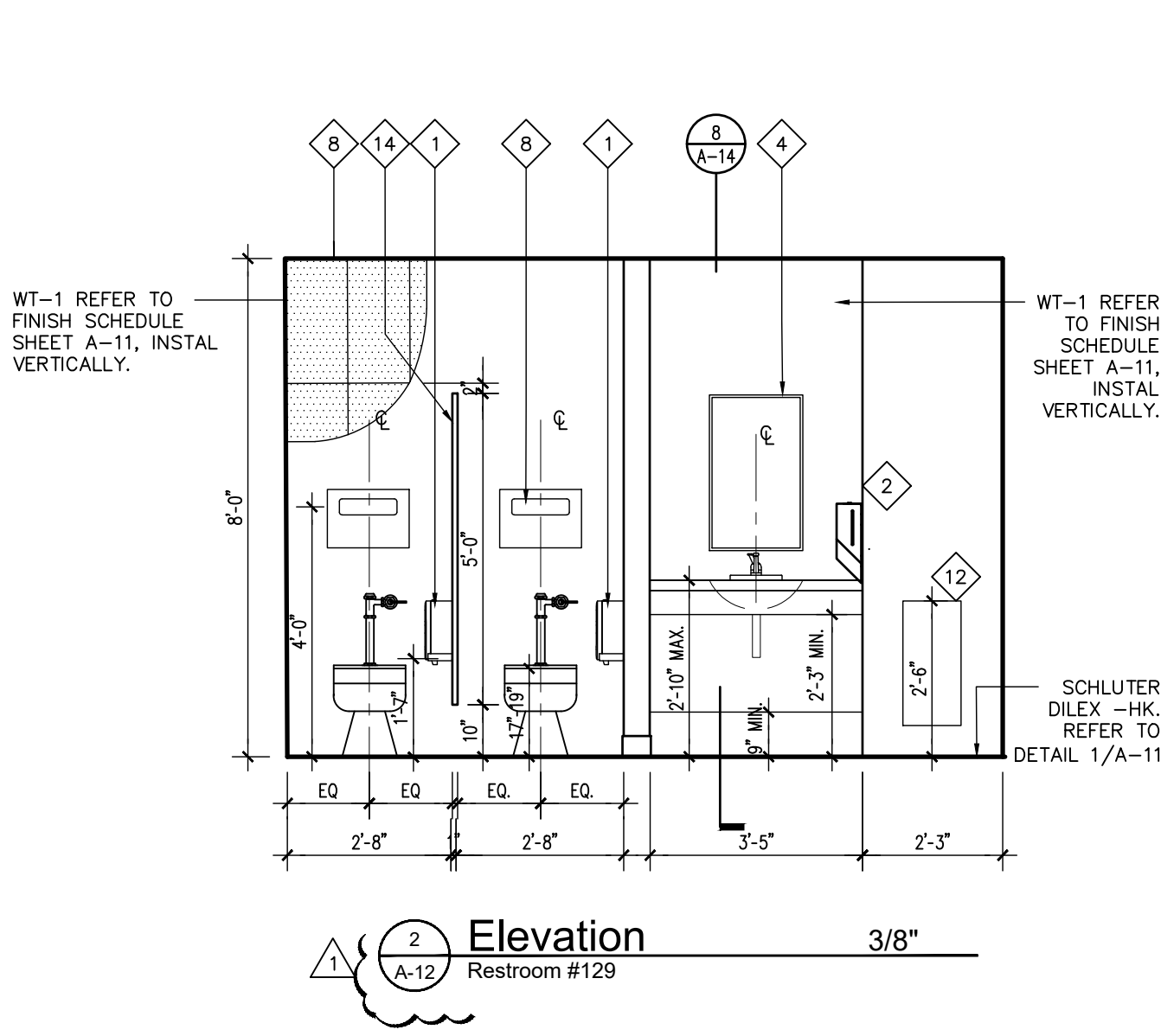
	DOOR		DOOR SIZE			MATERIAL		FINISH		DETAILS			LABEL	DOOR HARDWARE			REMARKS		
	No.	TYPE	W.	H.	T.	DOOR	CORE	FRAME	DOOR	FRAME	JAMB	HEAD		SILL	SET NO.	CLOSER		STOP	
3	101	C	3'-0"	6'-8"	1 3/4"	AL/GL	-	ALUM.	-	ANOD.	2/A-10	1/A-10	18/A-10		3	YES	-	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	102	A	3'-0"	6'-8"	1 3/4"	AL/GL	-	ALUM.	-	ANOD.	2/A-10	1/A-10	18/A-10		1	YES	W	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEV. BUZZER RELEASE	
	103	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	18/A-10		3	YES	W		
1 2	104	C	3'-0"	6'-8"	1 3/4"	AL/GL	-	ALUM.	-	ANOD.	2/A-10	1/A-10	17/A-10		2	YES	-	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	105	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	W		
	106	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	-		
Door Schedule Ground Floor	107	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		2	YES	W	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	108	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		2	YES	-	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	109	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	-		
	110	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	13/A-10		2	YES	W	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	111	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	9/A-10		EXIST.	-	-		
	112	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	12/A-10		EXIST.	YES	F	EX. 60MIN FIRE RATED DOOR V.I.F.	
	113	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.		EXIST.	YES	-	EX. 60MIN FIRE RATED DOOR V.I.F.	
	114	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	F		
	115	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	3/A-10		2	YES	F	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	116	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	8/A-10		5	YES	W	SEE HARDWARE NOTE	
	117	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	18/A-10		3	-	-	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS. FITTED WITH PANIC HARDWARE	
	118	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	19/A-10		3	YES	W		
	119	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	19/A-10		3	YES	W		
	120	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	17/A-10		4	-	-		
	121	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	14/A-10		4	YES	-		
	122	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	14/A-10		4	YES	-		
	123	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	10/A-10		EXIST.	YES	W	EX. 60MIN FIRE RATED DOOR V.I.F.	
	124	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	10/A-10		EXIST.	YES	-	EX. 60MIN FIRE RATED DOOR V.I.F.	
	125	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.		EXIST.	YES	-	EX. 60MIN FIRE RATED DOOR V.I.F.	
	126	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.		EXIST.	YES	-	EX. 60MIN FIRE RATED DOOR V.I.F.	
	127	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.	10/A-10		EXIST.	YES	-	
	128	B	(2)3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.	5/A-10		EXIST.	YES	-	
	129	D	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	W		
	130	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	6/A-10		4	YES	W		
	131	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	6/A-10		2	YES	W	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	132	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	6/A-10		2	YES	F		
	133	A	4'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	17/A-10		3	YES	W		
	134	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	W		
	135	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.	21/A-10		EXIST.	YES	F	EX. 60MIN FIRE RATED DOOR V.I.F.
	136	A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.	EXIST.		EXIST.	YES	F	EX. 60MIN FIRE RATED DOOR V.I.F.
	137	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	20/A-10		2	YES	-	-	FITTED WITH PANIC HARDWARE
	138	B	(2)3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	9/A-10		4	-	-	-	
	139	C	3'-0"	6'-8"	1 3/4"	AL/GL	-	ALUM.	-	ANOD.	2/A-10	1/A-10	20/A-10		2	YES	F	GLASS TRANSOM ABOVE. REFER TO WINDOW ELEVATIONS.	
	140	C	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	-	PAINT	EXIST.	EXIST.	EXIST.	21/A-10		EXIST.	YES	-	
	3	141	C	2'-3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	-	PAINT	EXIST.	EXIST.	21/A-10		EXIST.	YES	-	
	3	142	NOT USED																
		143	C	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	-	PAINT	EXIST.	EXIST.	21/A-10		EXIST.	YES	-	
		144	A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	11/A-10		4	-	-	
	3	145	NOT USED																
146		A	3'-0"	6'-8"	1 3/4"	WOOD	SOLID	ALUM.	PAINT	ANOD.	2/A-10	1/A-10	6/A-10		4	YES	-		
147		A	3'-0"	6'-8"	1 3/4"	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST.		EXIST.	YES	F		

ROOM		FLOOR					BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		CEILING HEIGHT	REMARKS						
No.	NAME	EXPOSED CONCRETE	EPOXY	FORBO FLOOR SYST.	CARPET	TILE	VINYL	EPOXY	TILE	RUBBER VINYL	MR GYPSUM BOARD	ACOUSTICAL PANEL	STUCCO	MR GYPSUM BOARD	ACOUSTICAL PANEL	STUCCO	MR GYPSUM BOARD	ACOUSTICAL PANEL	STUCCO	ACOUSTICAL TILE	MR GYPSUM BOARD	EXP. STRUCTURE				
101	FOYER		13	17						19	11		11			—		11			32			21'–9" V.I.F.	FRASCHI STRATAWOOD ACOUSTICAL PANEL CEILING & CONCRETE CANOPY.	
102	CATIO		13							19	6/10			16		16		16/10			25	1		9'–0"/8'–0"	GB SOFFIT AT 8'–0" ALONG RIGHT SIDE WALL. SEE A–3 AND A–22.	
103	CATIO STORAGE		13							19	16			16		16		16			25			8'–0"		
104	PASSPORT					4			22	11			11		11		12/11				31			9'–0"		
105	STORAGE					2			22	11			11		11						31			9'–0"		
106	AISLE STAIR SEATING					4			—	11			—				34		9			11		VARIES	REFER TO DETAIL 1/A–21	
107	LOBBY		13	17					19	—			11/10			11		—			32			21'–9" V.I.F.		
108	QUICK PICKS		13						19	11			—			11		11			31	11		9'–0"/8'–4"	GB SOFFIT AT 8'–4" ALONG NORTH WALL REFER TO A–3 & DETAIL 4/A–21	
109	STORY TELLING STORAGE					2			22	11			11		11		11				25			VARIES	REFER TO SECTION 1/A–16	
110	STORY TELLING			3	17				21	11			11		11		11		12			11			9'–0"	REFER TO A–3 RCP & DETAIL 5/A–21 FOR SOFFITS
111	FLEXIBLE GROUP 1			3					21	9			11		11		11		11			31			9'–0"	
112	STORAGE					2			22	11			11		11		11		11		31			9'–0"		
113	STORAGE					2			22	11			11		11		11		11		31			9'–0"		
114	SENSORY ROOM			3	17				21	11			10		11		11		11			11			9'–0"	REFER TO A–3 RCP & DETAIL 3/A–21 FOR SOFFITS
115	LOUNGE 1			3	17				—	11			—			8		—				31			9'–0"	ARMSTRONG TECTUM & INFUSIONS ACCENT SHAPES. SEE RCP
116	STUDY AREA 1			3	17				—	11			11		—		—		—			31			9'–0"	ARMSTRONG TECTUM & INFUSIONS ACCENT SHAPES. SEE RCP
117	STUDY AREA 2			3	17				—	—			—		—		11		11			31			9'–0"	ARMSTRONG TECTUM & INFUSIONS ACCENT SHAPES. SEE RCP
118	MOBILE PRINTING			3					21	—			—		—		11		11			31			9'–0"	ARMSTRONG TECTUM & INFUSIONS ACCENT SHAPES. SEE RCP
119	EXISTING STAIR	1							—	29			29		29		29		29				—	—	—	
120	STUDY AREA 4			3	17				21	11			11		11		11		11			31			9'–0"	ARMSTRONG TECTUM & INFUSIONS ACCENT SHAPES. SEE RCP
121	ACTIVITY AREA			3	17				—	—			—		—		11		11			11/27			8'–6" SOFFIT 22'–5" V.I.F.	REFER TO 8/A–21 & 1/A–16
122	STUDY AREA 3			3	17				21	11			—		11		11		11			31			9'–0"	
123	LOUNGE 2			3	17				21	—			10		11		11		—			31			9'–0"	
124	STORAGE					2			22	11			11		11		11		11			31			8'–6"	
125	FLEXIBLE GROUP 2			3					21	11			11		11		9/11				31	11		9'–0"	REFER TO DETAIL 4/A–21	
126	UNISEX		13					1/A–11		7			7		7		7		7			25			8'–0" V.I.F.	
127	ORIENTATION/CHECK-IN		13	3					19			34		11		11		—			31	11/15			9'–0"	REFER TO DTLS 1/A–19 & 14/A–21
128	NON-PRINT MATERIAL		13	3					—	—			11		11		11		—			31			9'–0"	
129	WOMEN		13					1/A–11		7			7		7		7		7			31			8'–0"	
130	MEN		13					1/A–11		7			7		7		7		7			31			8'–0"	
131	TRANSFORMERS	1						—	—	24			24		24		24		24						—	
132	ELECTRICAL	1						—	—	24			24		24		24		24						—	
133	ELECTRICAL EQUIPMENT	1						—	—	24			24		24		24		24						—	
134	STAGING					2			22	11			11		11		11		11			31			8'–5" V.I.F.	
135	SERVICE ELEVATOR LOBBY					2			22	11			11		11		11		11			25			9'–0"	
136	ELEVATOR LOBBY		13						19	—			10		10		10		10			11			9'–0"	
137	CUSTODIAN					2			22	11			11		11		11		11			31			8'–0"	
138	IT					2			22	23			23		23		23		23				1		—	WALL FRAMING OF 3/4" AC GRADE PLYWOOD
139	STAFF OFFICE					4			22	8/11			9		11		11		11			31			8'–0" V.I.F.	
140	CONFERENCE					4			22	10			11		11		11		11			31			8'–0"	
141	SUPPLY					2			22	11			11		11		11		11			31			8'–0"	
142	CORRIDOR					4			22	11			11		11		11		11			31			8'–0"	
143	SUPPLY					2			22	11			11		11		11		11			31			8'–0" V.I.F.	
144	CATERING					4			22	11			11		11		11		10			31			8'–0"	
145	BROWSING		13						19	11			11		11		11		11			31	11		9'–0" V.I.F.	GB SOFFIT AT 8'–4" ALONG EAST WALL REFER TO DETAIL 4/A–21
146	EXISTING STAIR	1							—	29			29		29		29		29						—	
147	MULTIPURPOSE			3					21	11			10/11				11		11			31			9'–0" V.I.F.	
148	STORAGE					2			22	11			11		11		11		11			31			9'–0" V.I.F.	
149	LOADING DOCK	1							—	—			—		—		—		—						—	
150	CATIO REST		13						19	16			16		—		—		—			25	1		9'–0"	
151	BOOK SHELVES 1			3	17				21	—			10		11		—		—			31			9'–0"	
152	BOOK SHELVES 2			3					21	—			—		—		—		—			31			9'–0"	
153	BOOK SHELVES 3			3					21	—			—		—		—		—			31			9'–0"	
154	BOOK SHELVES 4			3	17				21	11			—		—		—		11			31			9'–0"	

Interior Finish Material Classification	2020 FLORIDA BUILDING CODE TABLE 803.11 2021 FLORIDA FIRE PREVENTION CODE			
	OCCUPANCY	EXITS	EXIT ACCESS CORRIDORS	OTHER SPACES
	BUSINESS (NFPA 101 39.3.3)	WALL/CEILING – A or B FLOOR – NONE REQ.	WALL/CEILING – A or B FLOOR – NONE REQ.	WALL/CEILING – A, B or C FLOOR – NONE REQ.
	STORAGE (NFPA 101 42.3.3)	WALL/CEILING – A or B FLOOR – CLASS I or II	WALL/CEILING – A, B or C FLOOR – CLASS I or II	WALL/CEILING – A, B or C (STORAGE AREAS) FLOOR – NONE REQ.
ASSEMBLY (NFPA 101 13.3.3)	WALL/CEILING – A or B FLOOR – NONE REQ.	WALL/CEILING – A or B FLOOR – NONE REQ.	WALL/CEILING – A or B (ASSEMBLY AREAS) FLOOR – NONE REQ.	



Finish Legend	1.	NOT FINISH REQUIRED	13.	EPOXY E-01 WITH EMBEDDED BRASS DESIGN. SEE FLOORING PLAN. UNIVERSAL FLOORING SOLUTIONS. COLOR: DARK GREEN.	24.	P-6 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF LATEX NONCONDUCTIVE FIRE-RETARDANT. COLOR: WHITE
	2.	VCT-01 ARMSTRONG FLOORING INTERLOCK TEXTURE. SIZE: 12"x12"x1/8". COLOR: 51858 SANDRIFT WHITE	14.	EPOXY E-02 WITH EMBEDDED STAINLESS STEEL DESIGN. SEE FLOORING PLAN. UNIVERSAL FLOORING SOLUTIONS. COLOR: P1620/MAUI.	25.	P-7 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR SHERWIN WILLIAMS. COLOR: WHITE FLAT T.B.D.
	3.	FORBO FLOORING SYSTEMS CF-00 FLOTEX COLOR SEAGRASS 111003	15.	NORDGONA PIXEL ACOUSTICAL CEILING OVER GB CEILING. COLORS: MOSS, APPLE, LIME WITH ACCENTS OF HONEY AND ORANGE	26.	P-8 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 2064-10 BOLD BLUE.
	4.	LVT-01 MOHAWK GROUP. SIZE: 9.25"x59". COLOR: 822 UNICO.	16.	WILSONART COMPACT LAMINATE PANELS, SCRATCH RESISTANT. COLOR: ASIAN SAND 7952K-18.	27.	P-9 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 809-SOFF JAZZ.
	5.	POLISHED CONCRETE. COLOR TO MATCH LVT-01	17.	CARPET CF-01 MOHAWK, Q790099, PDI, BROADLOOM, GREEN	28.	P-10 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 2013-20 ORANGE NECTAR.
	6.	Q-1 COUNTERTOPS AND VANITIES QUARTZ WILSONART QUARTZ. MARFA Q8019.	18.	CARPET CF-04 (04) MOHAWK, Q790099, PDI, BROADLOOM, BLUE/MAPLE	29.	P-11 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 1548-CLASSIC GRAY.
	7.	WT-1 CERAMIC WALL TILE DAI-TILE AMBASSADOR. SIZE: 12"x24"x5/16". COLOR: WANDERLUST WHITE AM36 MATTE. 1/8" GROUT LINES, USE LATRICRE GROUT 1600 UNSANDED COLOR: BRIGHT WHITE (GREENGLAND CERTIFIED GROUT). INSTALL VERTICAL STACK BOND. SUELO DILEX COVE NICKEL FINISH.	19.	RB-1 RUBBER COVE WALL BASE (TO MATCH 1ST FLOOR EPOXY) JOHNSONITE TRADITIONAL DURACOVE #86 HUNTER GREEN OR #V33 CECKO W 4"x8".	30.	FORBO FLOORING SYSTEMS CF-07 FLOTEX SEAGRASS. COLOR: CEMENT 111002.
	8.	P-1 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 567-BALSAM.	20.	RB-2 RUBBER COVE WALL BASE (TO MATCH 2ND FLOOR EPOXY) JOHNSONITE TRADITIONAL DURACOVE #18 NAVY BLUE OR #TH2 BLUE INTENSITY W 4"x8".	31.	CEILING: ACOUSTICAL TILE: 2'x2' ARMSTRONG 7058 CORTEGA REGULAR ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. WHITE COLOR.
	9.	P-2 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 420-APPLE LIME COCKTAIL.	21.	RB-3 RUBBER COVE WALL BASE (TO MATCH FORBO) JOHNSONITE TRADITIONAL DURACOVE #179 STEEL OR #TGS MACADEMIA W 4"x8".	32.	CEILING: ACOUSTICAL TILE: 4'x4' ARMSTRONG 705A CORTEGA REGULAR ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. WHITE COLOR.
	10.	P-3 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 426-FRESH GRASS.	22.	RB-4 RUBBER COVE WALL BASE (TO MATCH 1ST FLOOR) JOHNSONITE TRADITIONAL DURACOVE #129 SILK OR #09 CLAY W 4"x8".	33.	PAINT: PRO MATTE VIRTUAL GREEN CHROMA KEY
	11.	P-4 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 533-CALMING ALOE.	23.	PLYWOOD-RIGIDLY INSTALLED WALL-TO-WALL FRAMING OF 3/4" TRADE SIZE AC GRADE PLYWOOD, 6" HIGH WALL SURFACES (INC. UNEXPOSED SIDES) PAINTED WITH WHITE LATEX NONCONDUCTIVE FIRE-RETARDANT OVERCOAT.	34.	FRASCHI: STRATAWOOD ACOUSTICAL PANEL WITH LINEAR SLATS. WALL VERTICAL INSTALLATION. COLOR: MEDIUM WALNUT.
	12.	P-5 INTERIOR PAINT ONE COAT OF PRIMER AND TWO COATS OF INTERIOR BENJAMIN MOORE. COLOR: 350-SUN VALLEY.			35.	CEILING: ACOUSTICAL TILE: 2'x2' ARMSTRONG 7058 CORTEGA REGULAR ACOUSTICAL CEILING TILE & SUSPENSION SYSTEM. BLACK COLOR.
	NOTE:				36.	PL-1: FOR BASE / WALL CABINETS AND WORKING SURFACE: WILSONART PLASTIC LAMINAS COLOR: ASIAN SAND 7952. REFER TO SHEETS A-15 & A-15.1
	• MOISTURE BARRIER SHOULD BE APPLIED OVER THE CONCRETE BASE BEFORE EPOXY FLOOR IS APPLIED.					
	• ALL EXTERIOR STOREFRONT TO RECEIVE MOTORIZED BLACK-OUT ROLLER SHADES. REFER TO A-21 FOR DETAIL.					
	• INTERIOR STOREFRONT AT ENCLOSED SPACES TO RECEIVE BLACK-OUT ROLLER SHADES. REFER TO A-21 FOR DETAIL.					
	• PAINT INTERIOR BUILDING WALLS ALL THROUGHOUT. CONFIRM ACCENT WALLS AND COLOR WITH CLIENT/ARCHITECT PRIOR TO PROCEEDING.					
	• NEW BASEBOARDS ALL THROUGHOUT.					
	• GC TO PROVIDE FINISHES SAMPLES TO CLIENT AND ARCHITECT FOR APPROVAL PRIOR TO ANY MATERIAL ORDERING.					



Plumbing Fixture Schedule

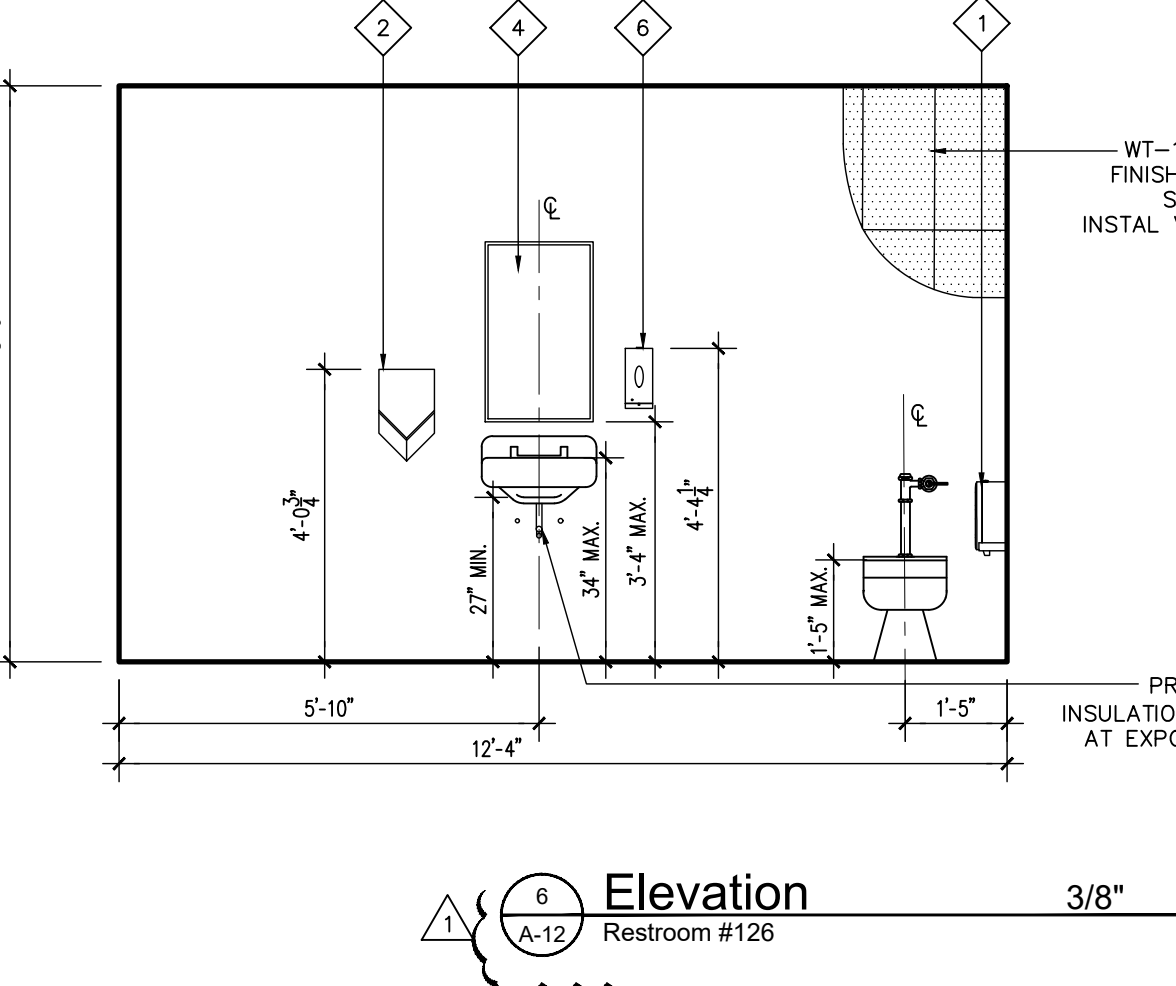
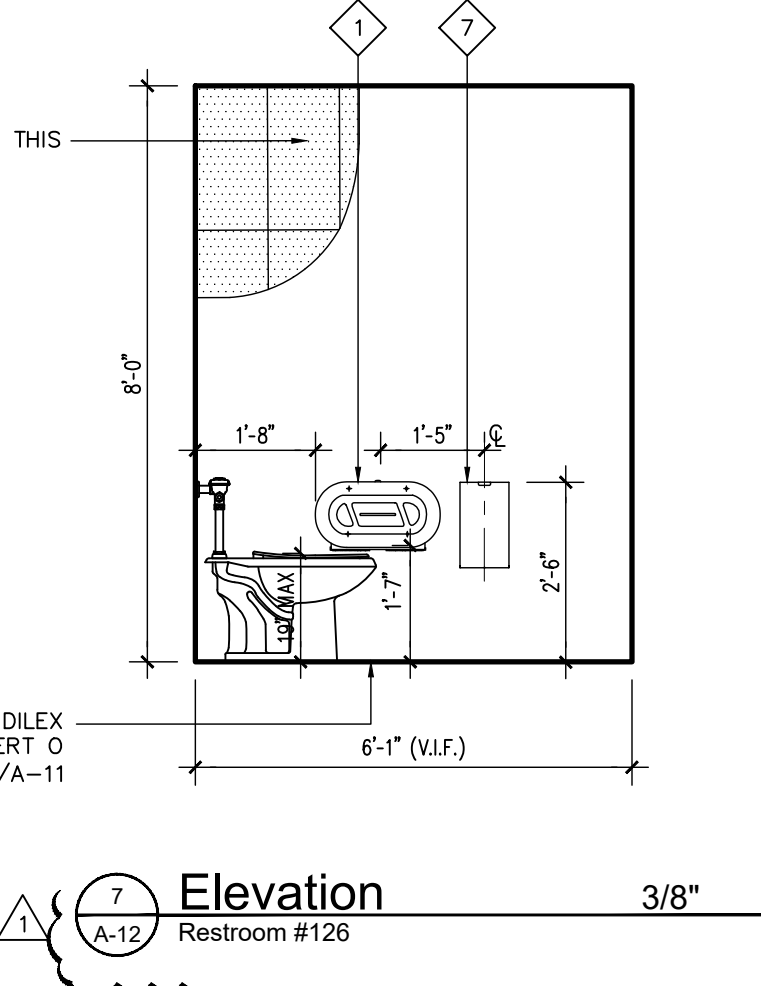
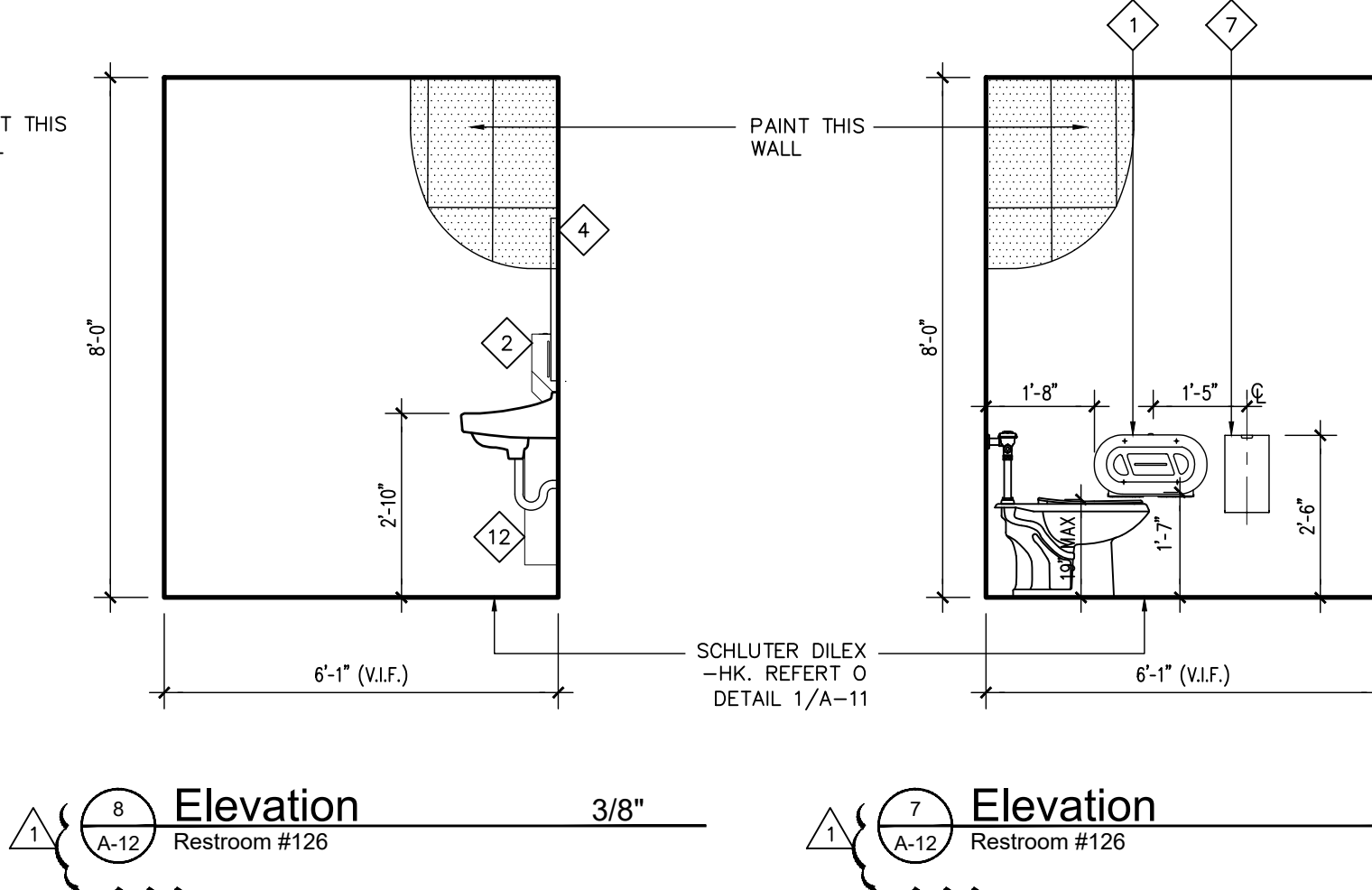
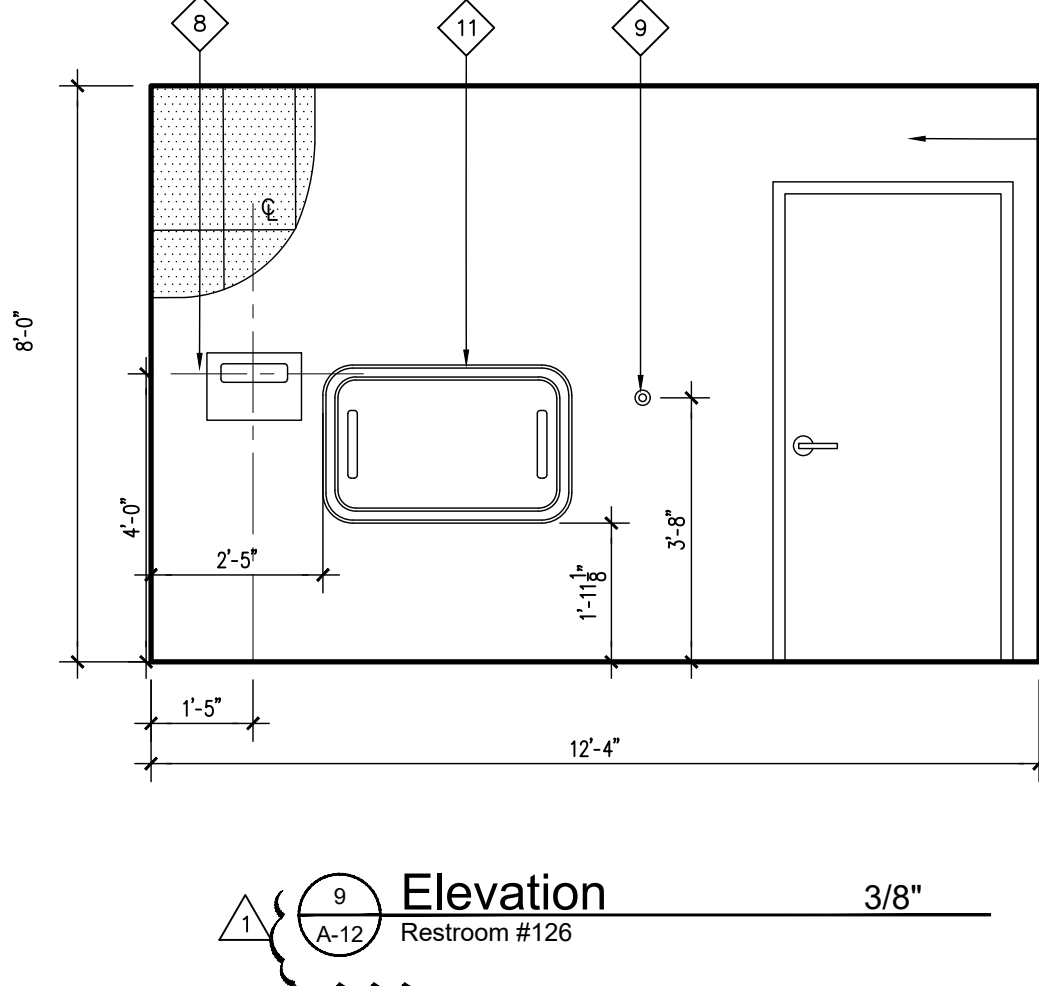
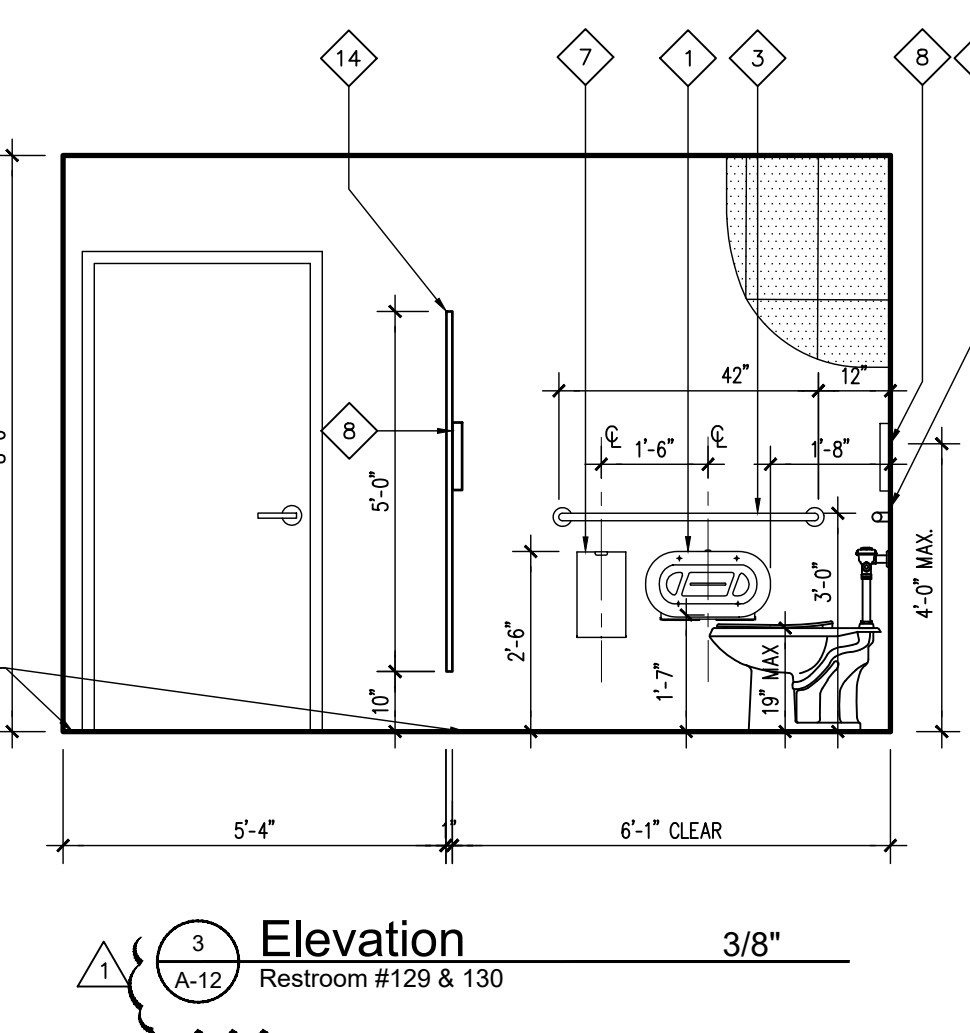
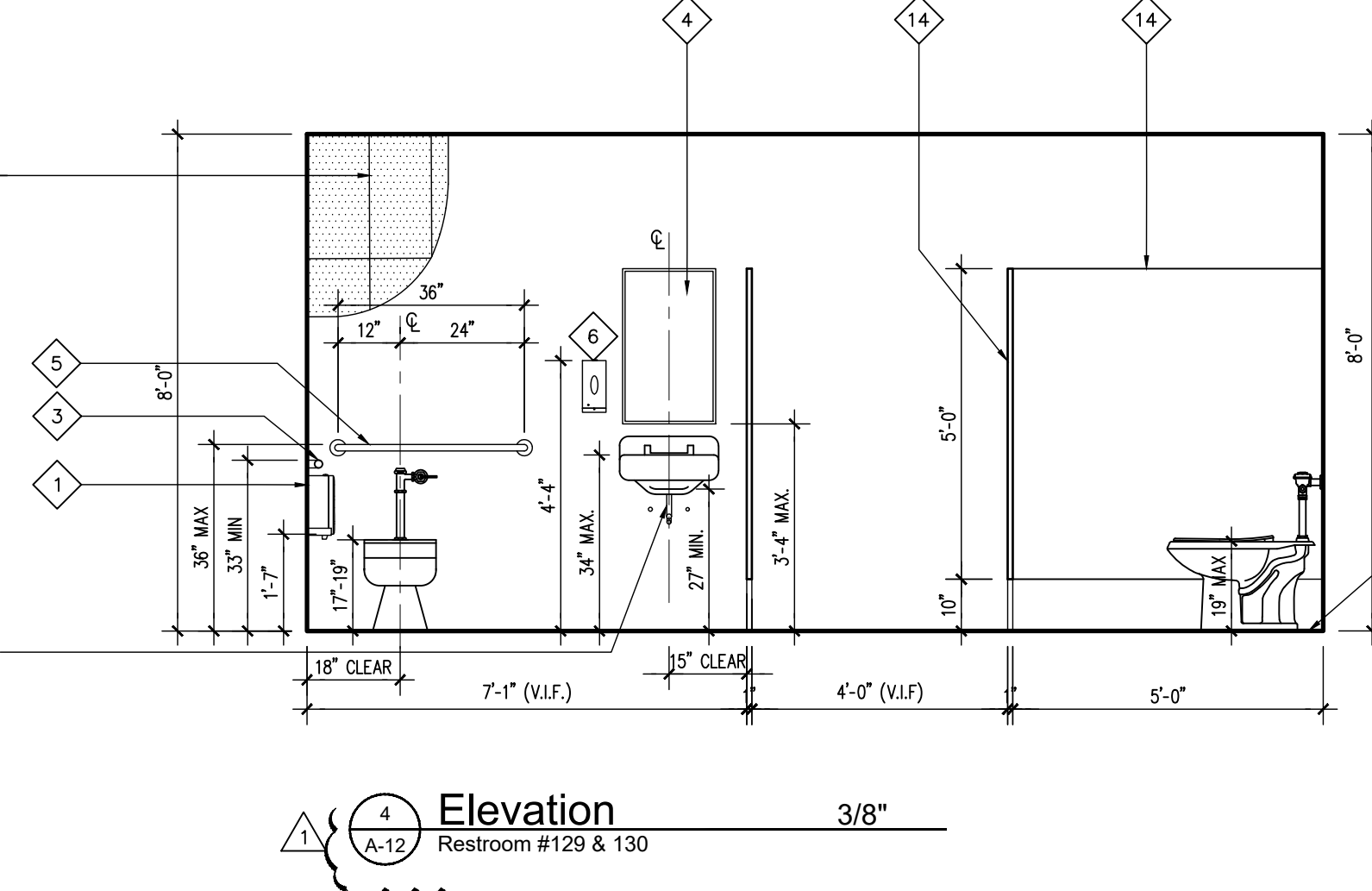
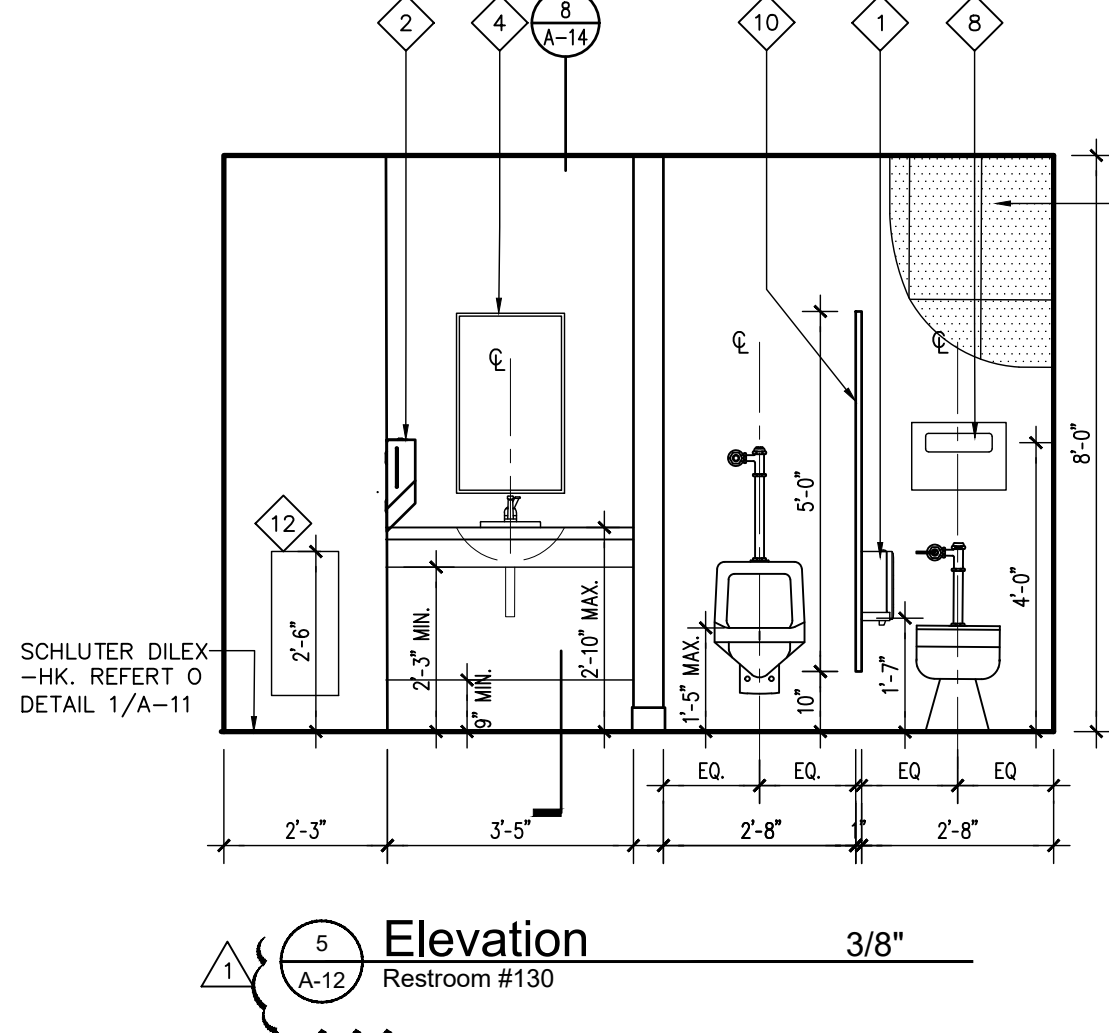
- FLUSHMETER TOILET:
KOHLER K-7531 TRIPPOINT 1.28 GPF HEC VALVE.
- WATER CLOSET:
KOHLER HIGHCLIFF ULTRA K-96057-SS-0
- FLUSHMETER URINAL:
KOHLER K-10965 TOUCHLESS DC WASHDOWN 1.0 GPF RETROFIT FLUSHMETER VALVE WITH TRIPPOINT TECHNOLOGY.
- URINAL:
KHOLER TEND 20713-ETSS-0
- TOUCHLESS FAUCET:
KOHLER K-103K37-SANA KUMIN TOUCHLESS AC-POWERED FAUCET.
- UNDERMOUNT ADA BATHROOM SINK:
KOHLER BACHATA K-2609-SU
- WALL-MOUNT ADA BATHROOM SINK:
KOHLER SOHO K-2084.
- SERVICE SINK:
KOHLER GILFORD K-12787-0.
- SERVICE SINK FAUCET:
KOHLER TRITON BOWE K-830T10-5A.
- KITCHEN SINK FAUCET:
KHOLER GRAZE K-22062-VS
- UNDERMOUNT ADA KITCHEN SINK:
KOHLER VAULT K-25940-NA

Floor Plan Accessories Legend

- 1 BOBRICK B-2892 SURFACE-MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER. REAR SIDE TO BE MOUNTED 20" FROM BACK WALL AND TOP SIDE TO BE MOUNTED AT 30" A.F.F.
- 2 DYSON HAND DRYER AIRBLADE. TOP SIDE TO BE MOUNTED @ 48 3/4" A.F.F.
- 3 BOBRICK B-6806 X 42" 1 3/8" DIAMETER, 42" LONG GRAB BAR AT SIDES OF WATER CLOSET AT +36" A.F.F., GC TO PROVIDE 2"x6"x6" L WOOD BACKING FOR GRAB BAR MOUNTING
- 4 BOBRICK B-165 18" WIDE X 36" HIGH MIRROR. BOTTOM OF REFLECTIVE SURFACE TO BE AT 40" A.F.F.
- 5 BOBRICK B-6806 X 36" 1 3/8" DIAMETER, 36" LONG GRAB BAR TO BE MOUNTED BEHIND WATER CLOSET AT +36" A.F.F., GC TO PROVIDE 2"x6"x6" L PLYWOOD BACKING FOR GRAB BAR MOUNTING
- 6 BOBRICK B-2012 AUTOMATIC WALL-MOUNTED SOAP DISPENSER. TOP SIDE TO BE MOUNTED AT 52 1/4" A.F.F.
- 7 BOBRICK TrimLineSeries™ SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL B-35139. TOP SIDE OF DISPOSAL @ 30" A.F.F.
- 8 BOBRICK ConturaSeries® SURFACE-MOUNTED SEAT-COVER DISPENSER B-4221. TOP SIDE TO BE MOUNTED FROM 30"-45" A.F.F.
- 9 KOALA CARE 310-54 STAINLESS BAG HOOK. CENTER AT 44" A.F.F.
- 10 BRADLEY CONTEMPORARY SERIES CHROME PLATED DOUBLE ROBE HOOK, MODEL 912 OR EQUAL APPROVED TO BE MOUNTED @ 60" A.F.F. FOR STANDARD STALLS AND 48" A.F.F. FOR ADA STALLS.
- 11 KOALA CARE KB310-SSWM HORIZONTAL STAINLESS STEEL SURFACE-MOUNTED. BOTTOM @ 23 1/8" A.F.F.
- 12 BOBRICK SURFACE MOUNTED WASTE RECEPTACLE B-9279
- 13 BOBRICK SURFACE-MOUNTED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE B-3949
- 14 1" THICK TOILET PARTITION

Wall Backing Notes

- BACKING FOR TOILET PARTITIONS, GRAB BARS, CABINETS, PLUMBING FIXTURES AND ACCESSORIES:
- PROVIDE 2x8 BACKING INSIDE PARTITIONS. BETWEEN STEEL STUDS IN LOCATIONS REQUIRED FOR ATTACHMENT OF ALL WALL HUNG ITEMS, INCLUDING ROOF ACCESS LADDER, IF APPLICABLE (SEE ELEVATIONS FOR HEIGHTS). ALL WOOD BACKING SHALL BE PRESSURE TREATED FIRE RETARDANT.
- SUPPORT FOR PLUMBING FIXTURES & CABINETS:
STUD WALL SUPPORTING PLUMBING FIXTURES & CABINETS SHALL BE CONSTRUCTED USING STEEL STUDS OF NOT LESS THAN 20 ga. W/ A MIN. EFFECTIVE MOMENT OF INERTIA EQUAL TO 0.864 in⁴. WALL SHALL BE CONNECTED TOP & BOTTOM TO PREVENT END ROTATION OR DISPLACEMENT. A HORIZONTAL MEMBER SHALL BE SECURELY FASTENED TO NOT LESS THAN 2 STUDS FOR THE ATTACHMENT OF WALL HUNG FIXTURES.



Plumbing Fixture Schedule

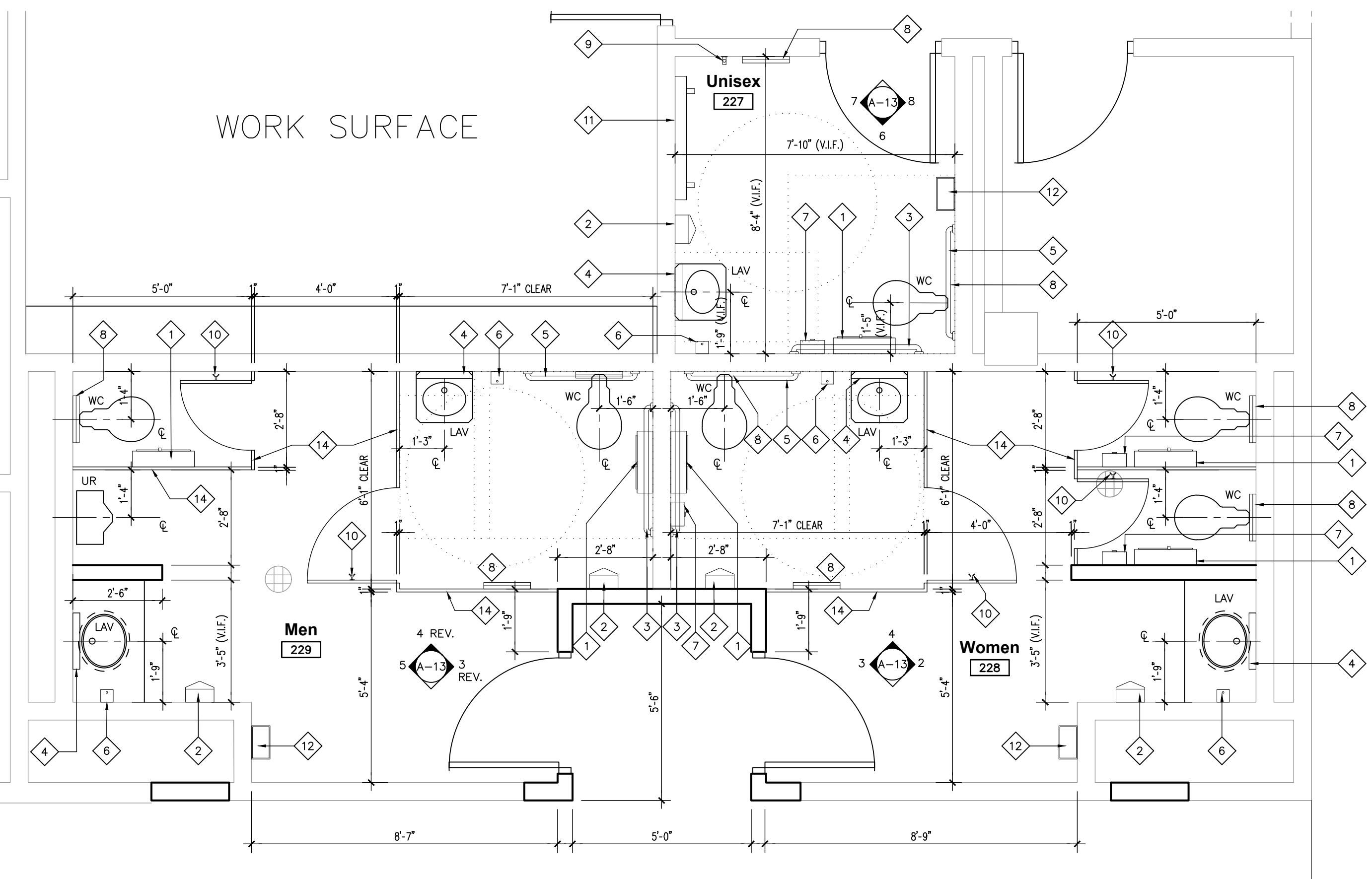
- FLUSHOMETER TOILET:
KOHLER K-7531 TRIPPOINT 1.28 GPF HEC VALVE.
-WATER CLOSET:
KOHLER HIGHCLIFF ULTRA K-96057-SS-0
- FLUSHOMETER URINAL:
KOHLER K-10965 TOUCHLESS DC WASHDOWN 1.0 GPF RETROFIT
FLUSHOMETER VALVE WITH TRIPPOINT TECHNOLOGY.
-URINAL:
KOHLER TEND 20713-ETSS-0
- TOUCHLESS FAUCET:
KOHLER K-103K37-SANA KUMIN TOUCHLESS AC-POWERED
FAUCET
-UNDERMOUNT ADA BATHROOM SINK:
KOHLER BACHATA K-2609-SU
- WALL-MOUNT ADA BATHROOM SINK:
KOHLER SOHO K-2084.
- SERVICE SINK:
KOHLER GILFORD K-12787-0.
-SERVICE SINK FAUCET:
KOHLER TRITON BOWE K-83010-5A.
- KITCHEN SINK FAUCET:
KOHLER GRAZE K-22082-VS
-UNDERMOUNT ADA KITCHEN SINK:
KOHLER VAULT K-25940-NA

Floor Plan Accessories Legend

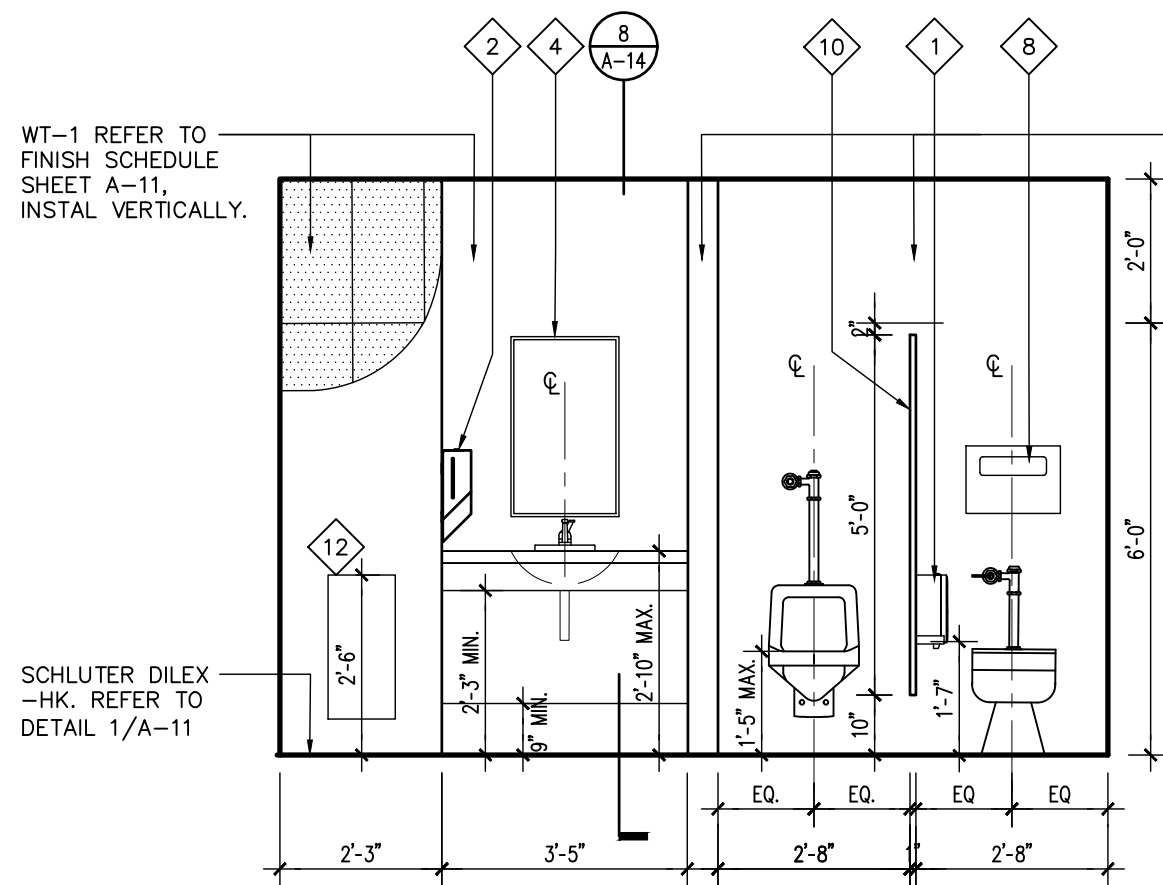
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Wall Backing Notes

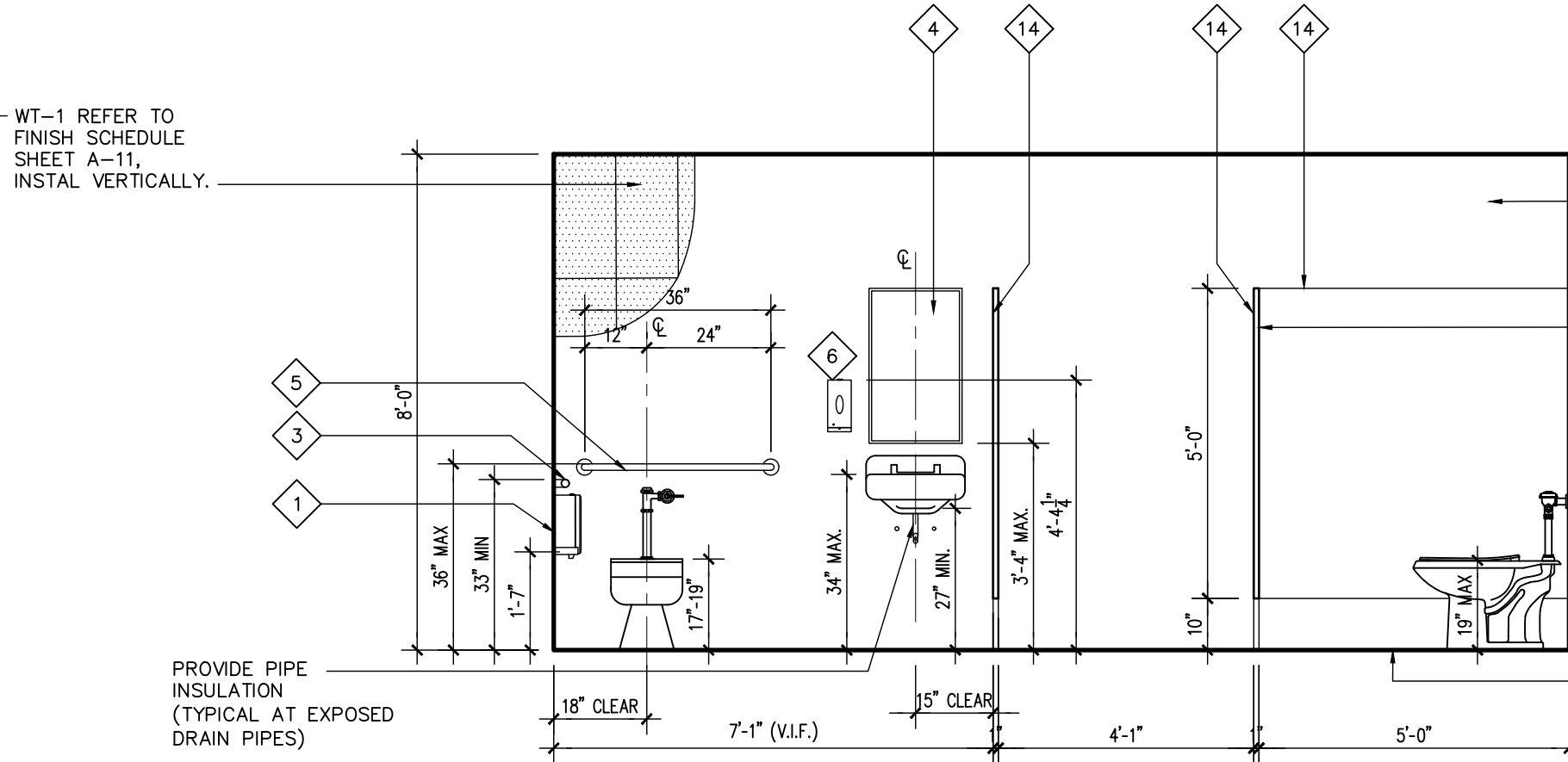
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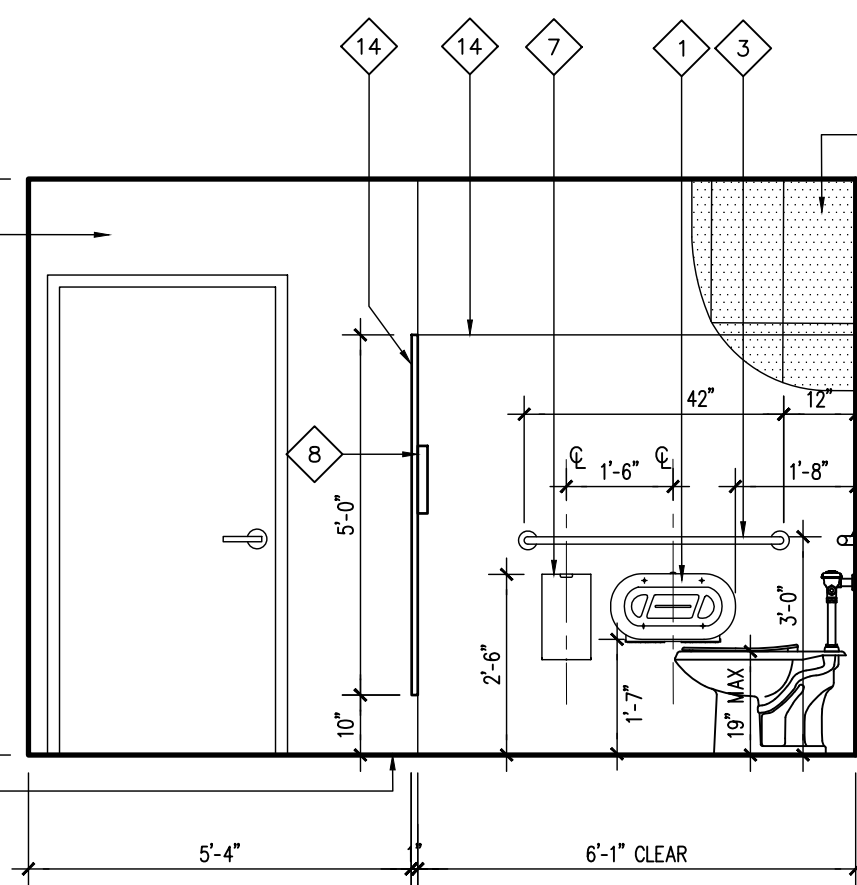
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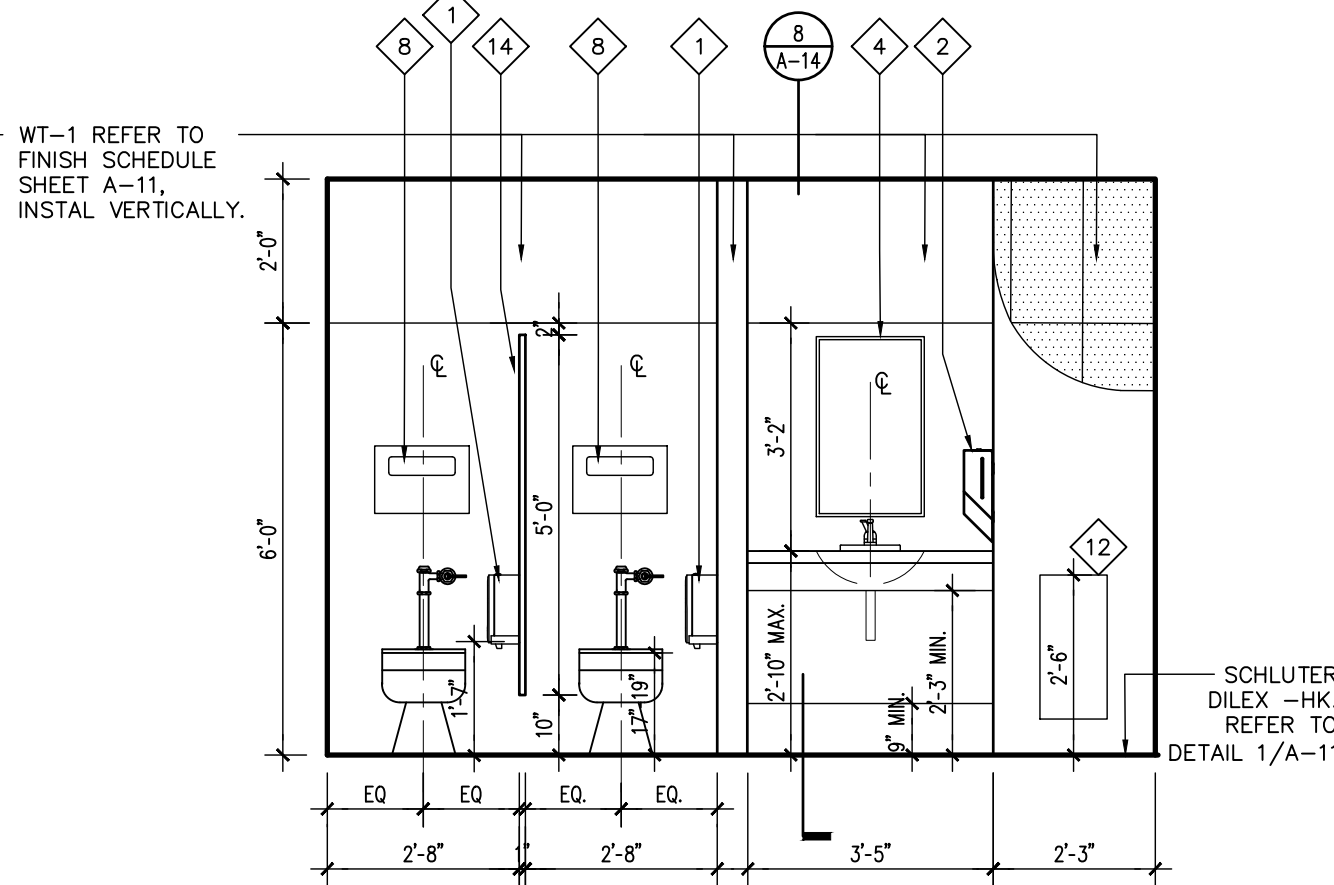
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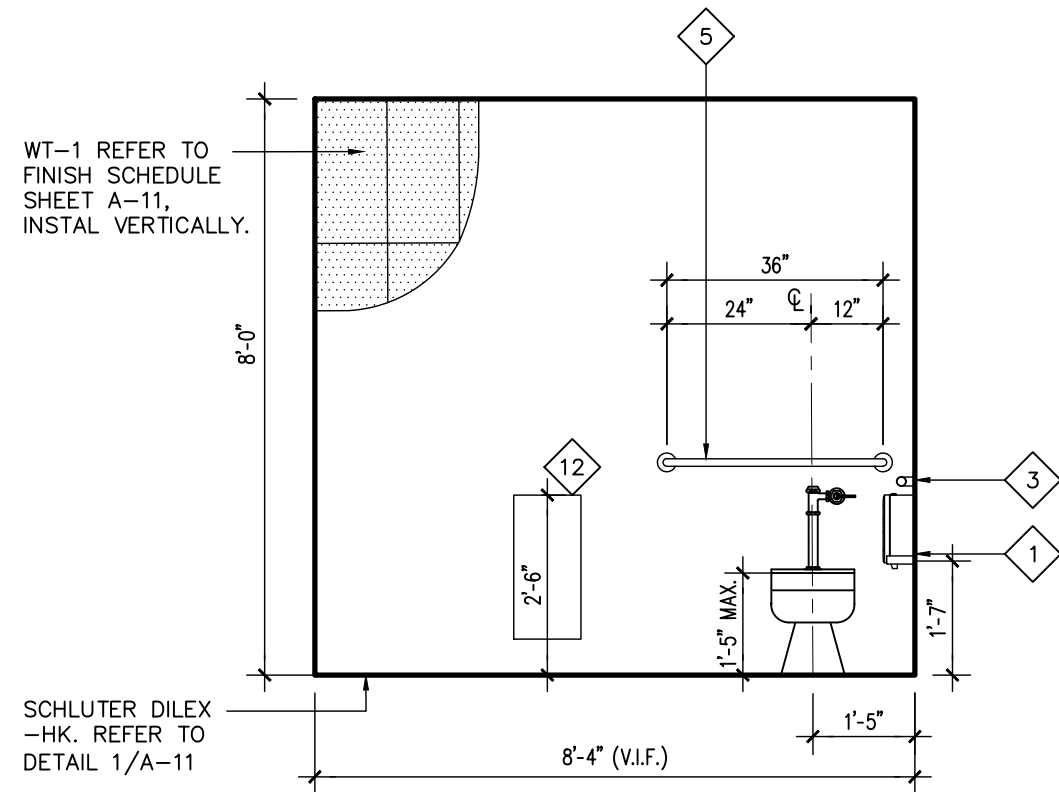
4 Elevation 3/8" Restroom #228 & 229



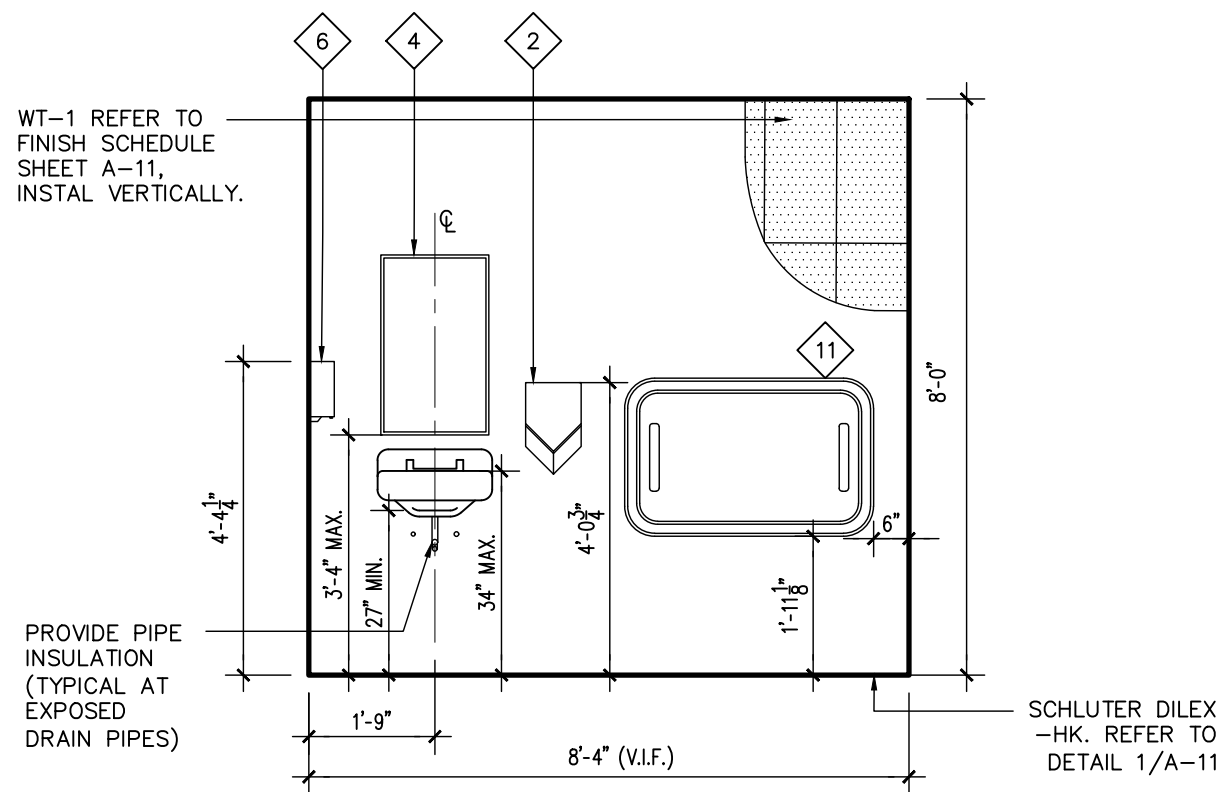
3 Elevation 3/8" Restroom #228 & 229



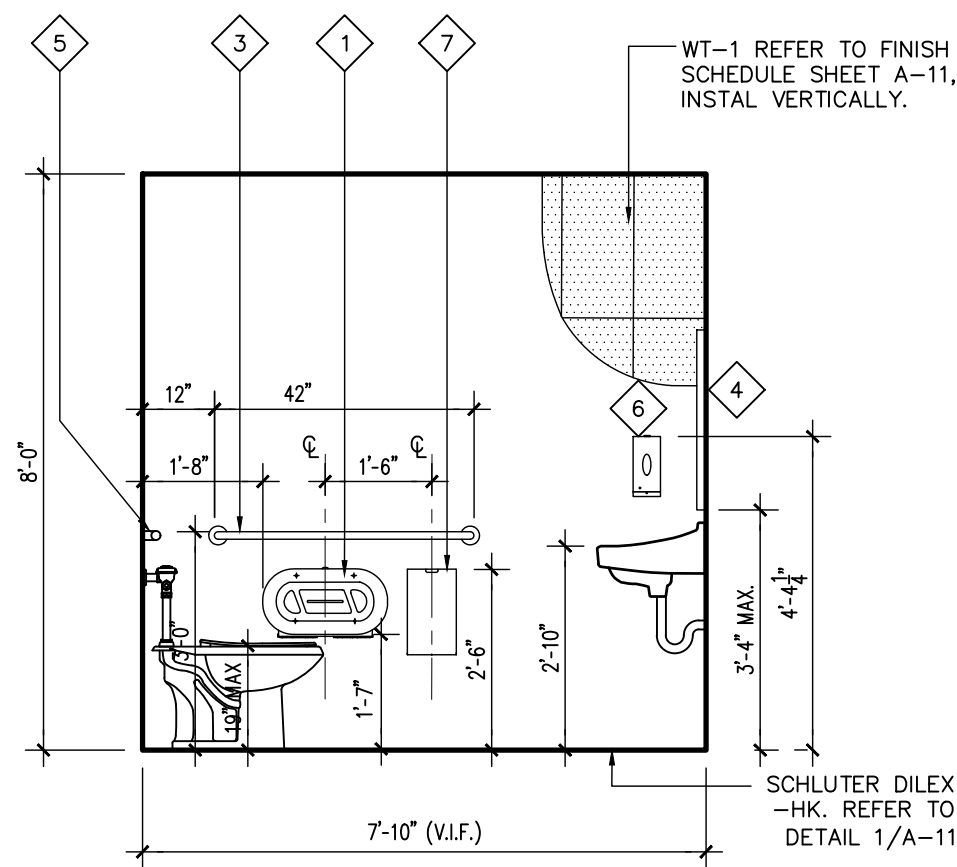
2 Elevation 3/8" Restroom #228



8 Elevation 3/8" Restroom #227



7 Elevation 3/8" Restroom #227



6 Elevation 3/8" Restroom #227

FORBES ARCHITECTS

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Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

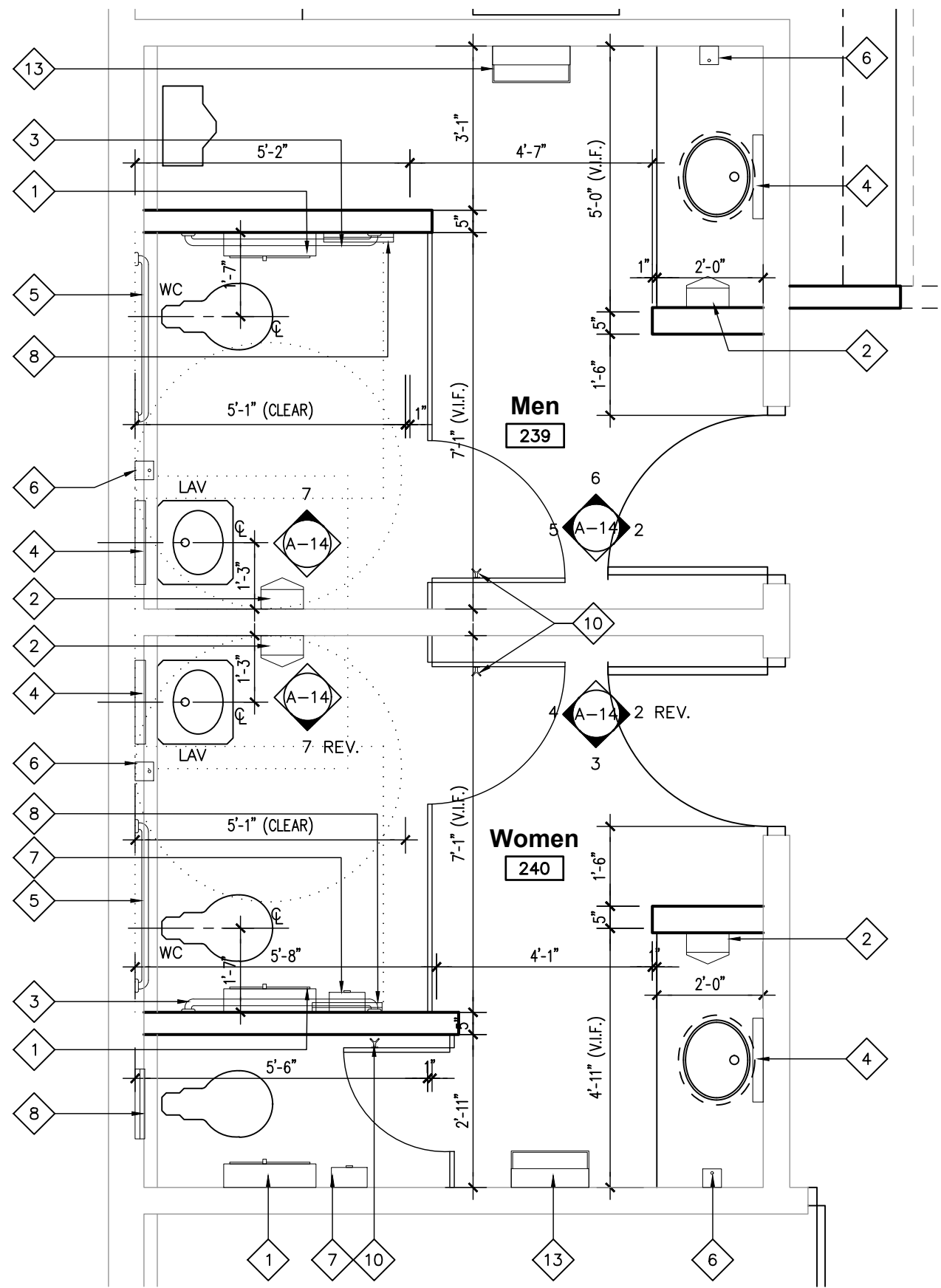
Project:
Owner:

Date
05-22-23
Commission
20026
Revisions
11-x-2024

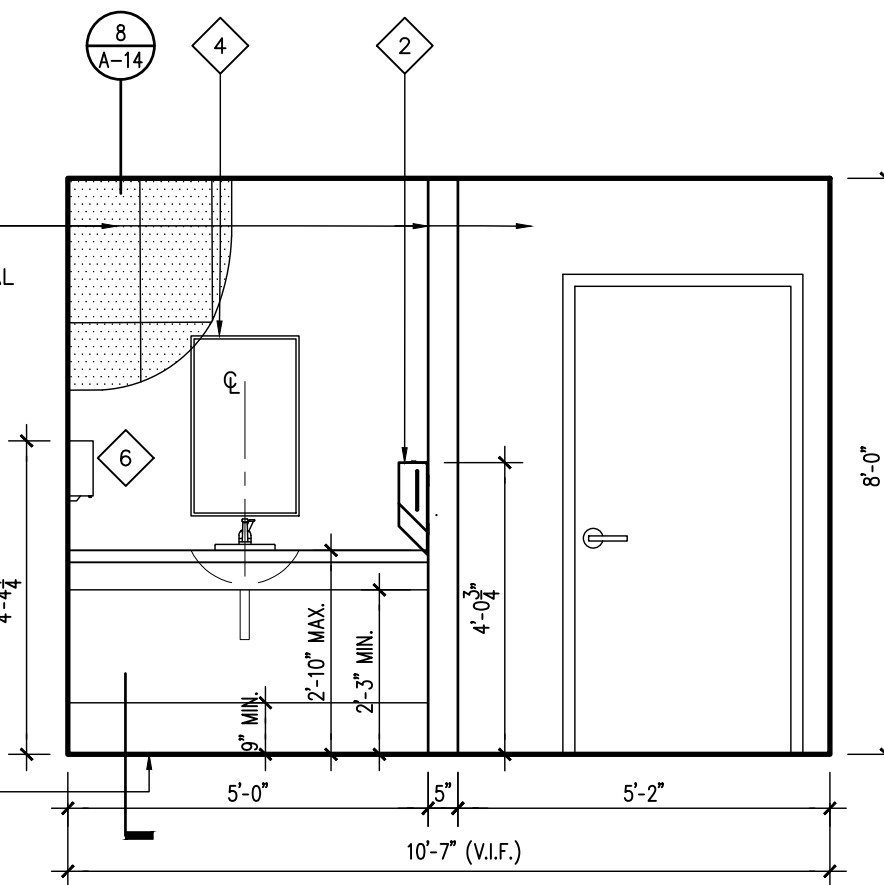
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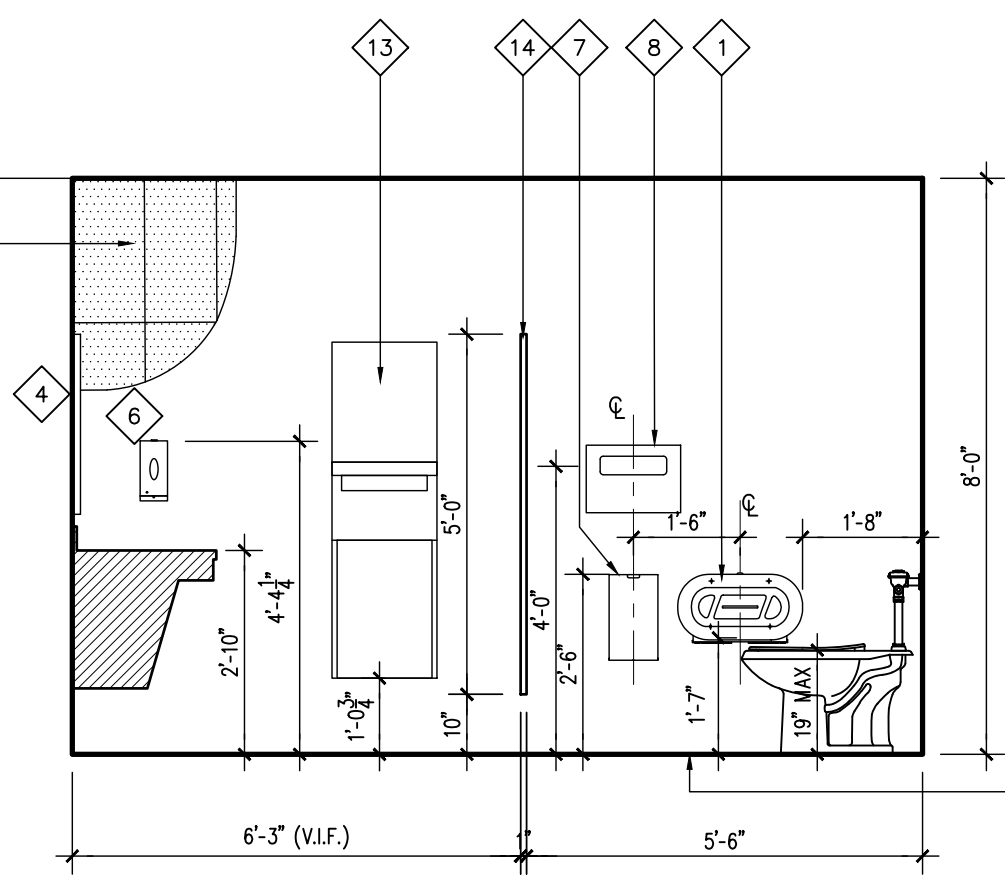
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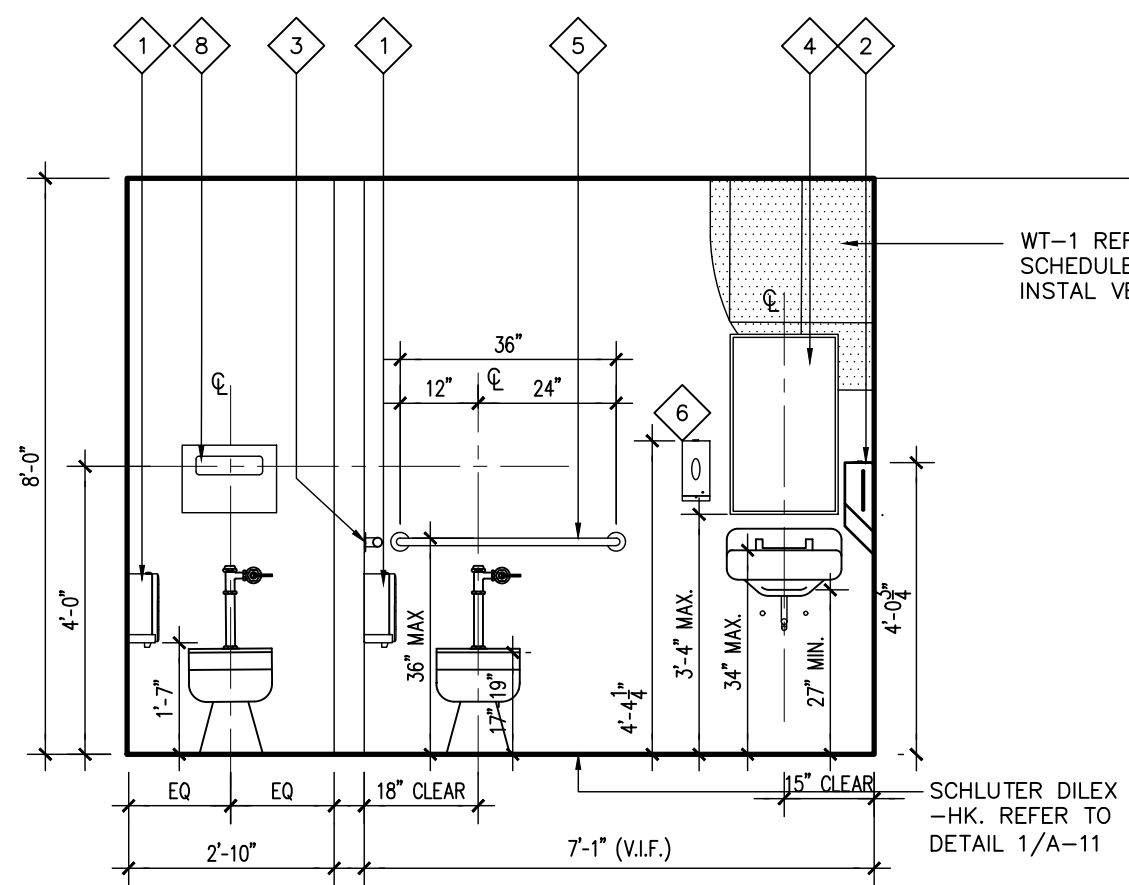
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A-14 Second Floor



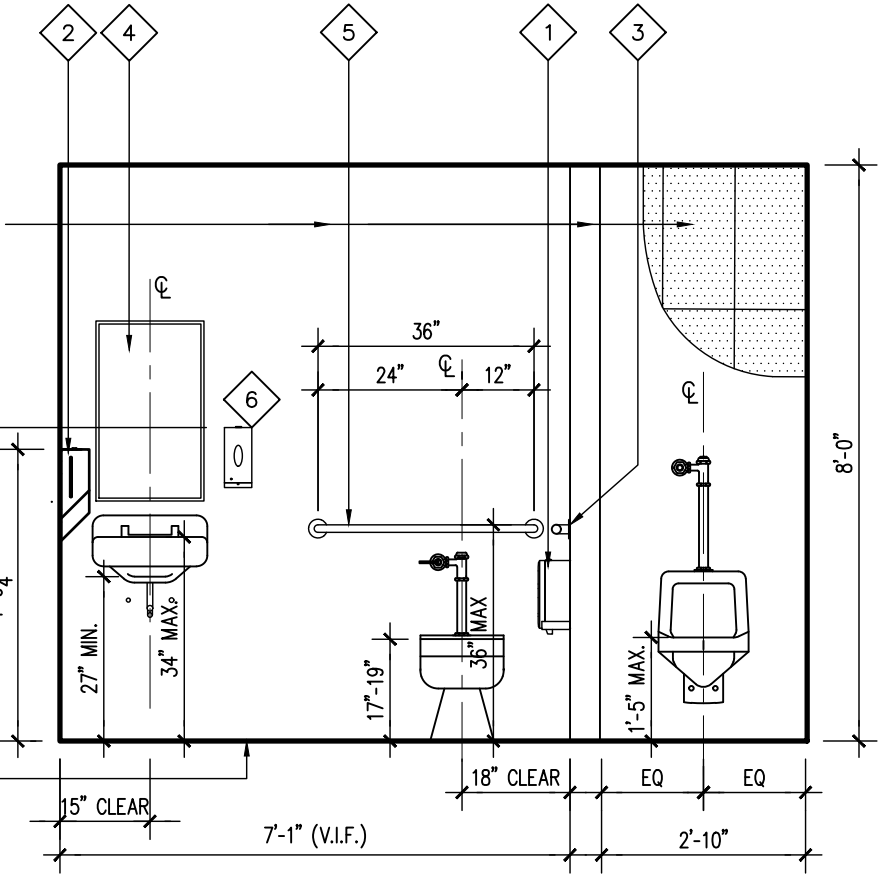
2 Elevation 3/8"
A-14 Restroom #239 & 240



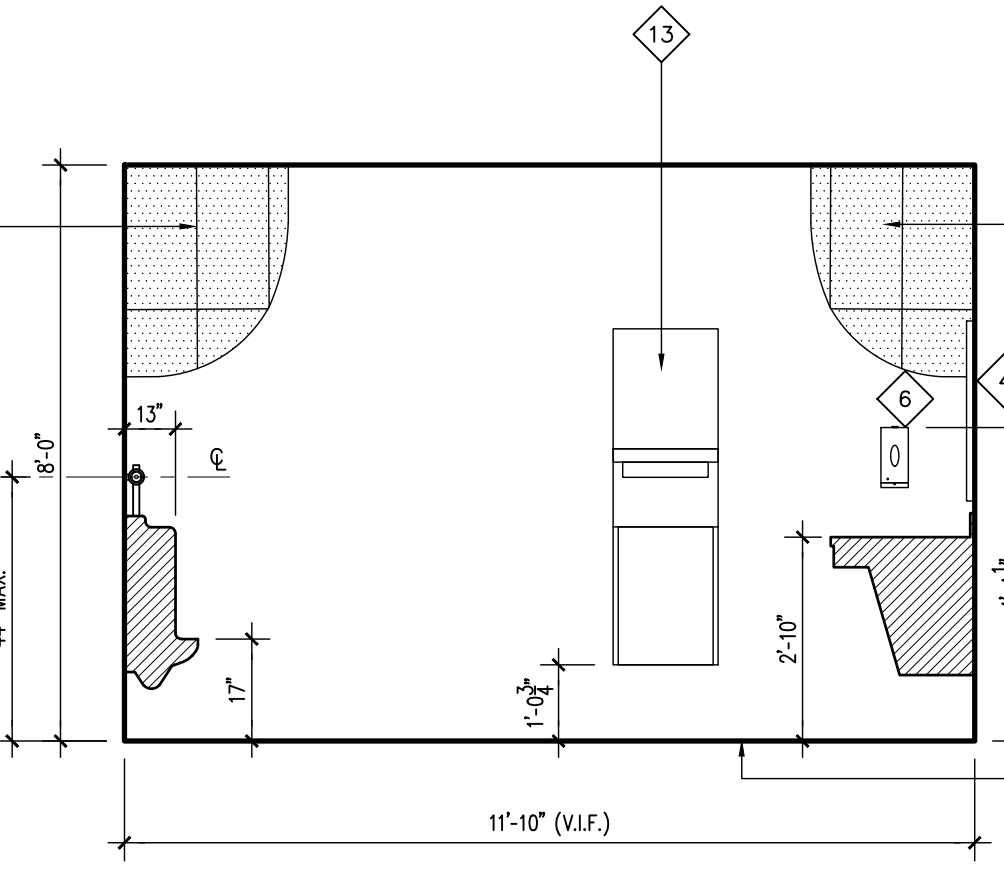
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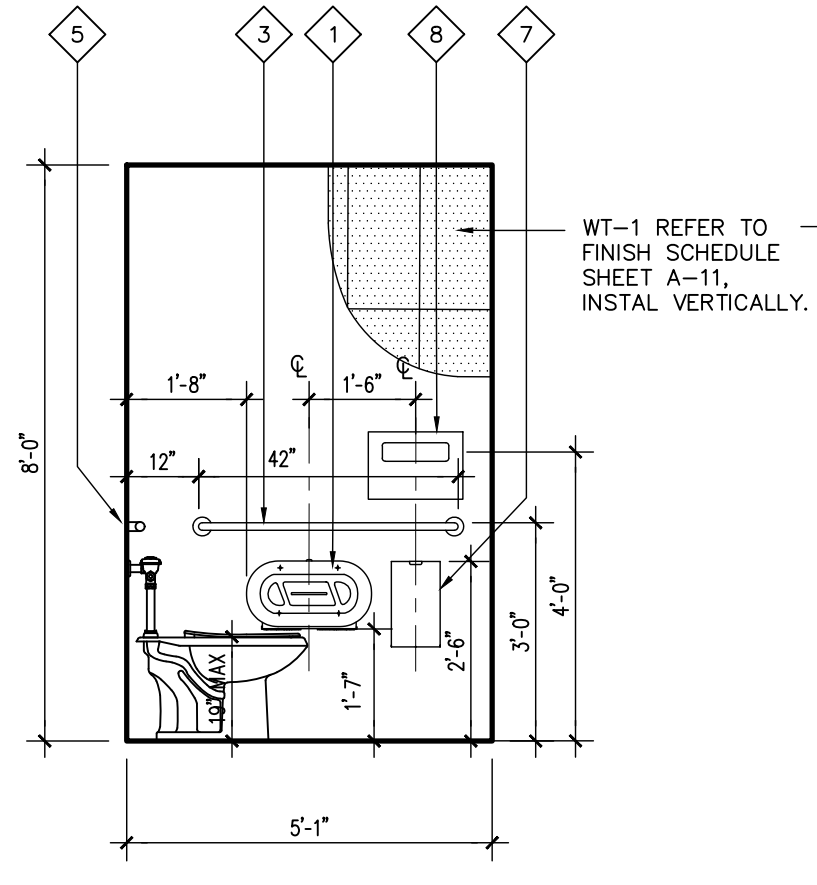
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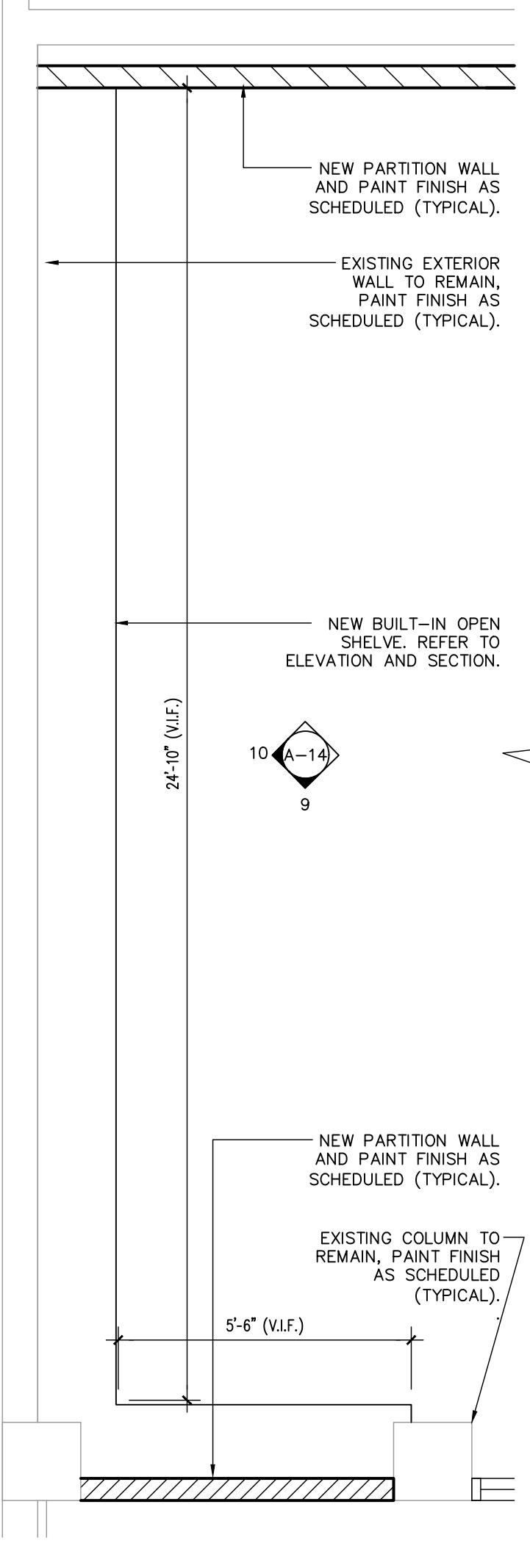
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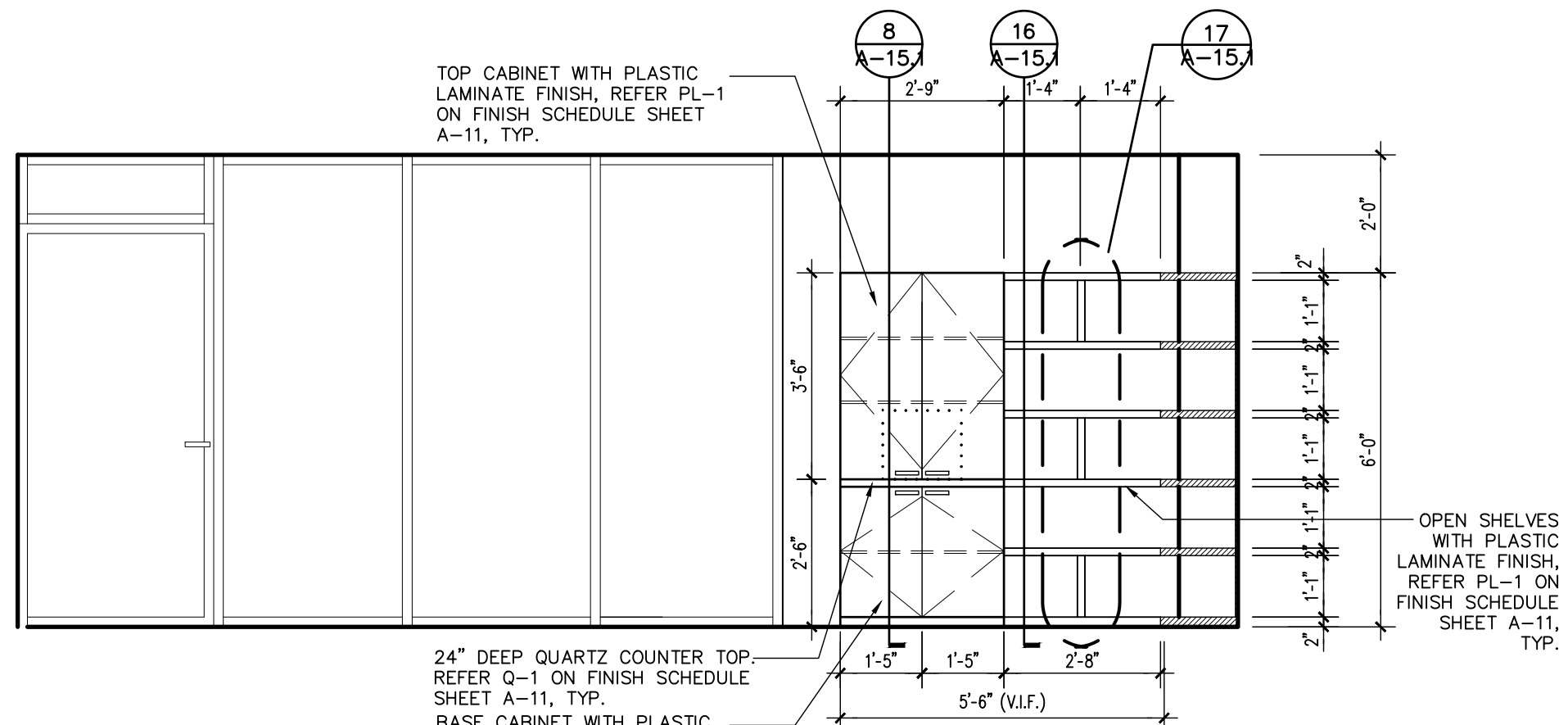
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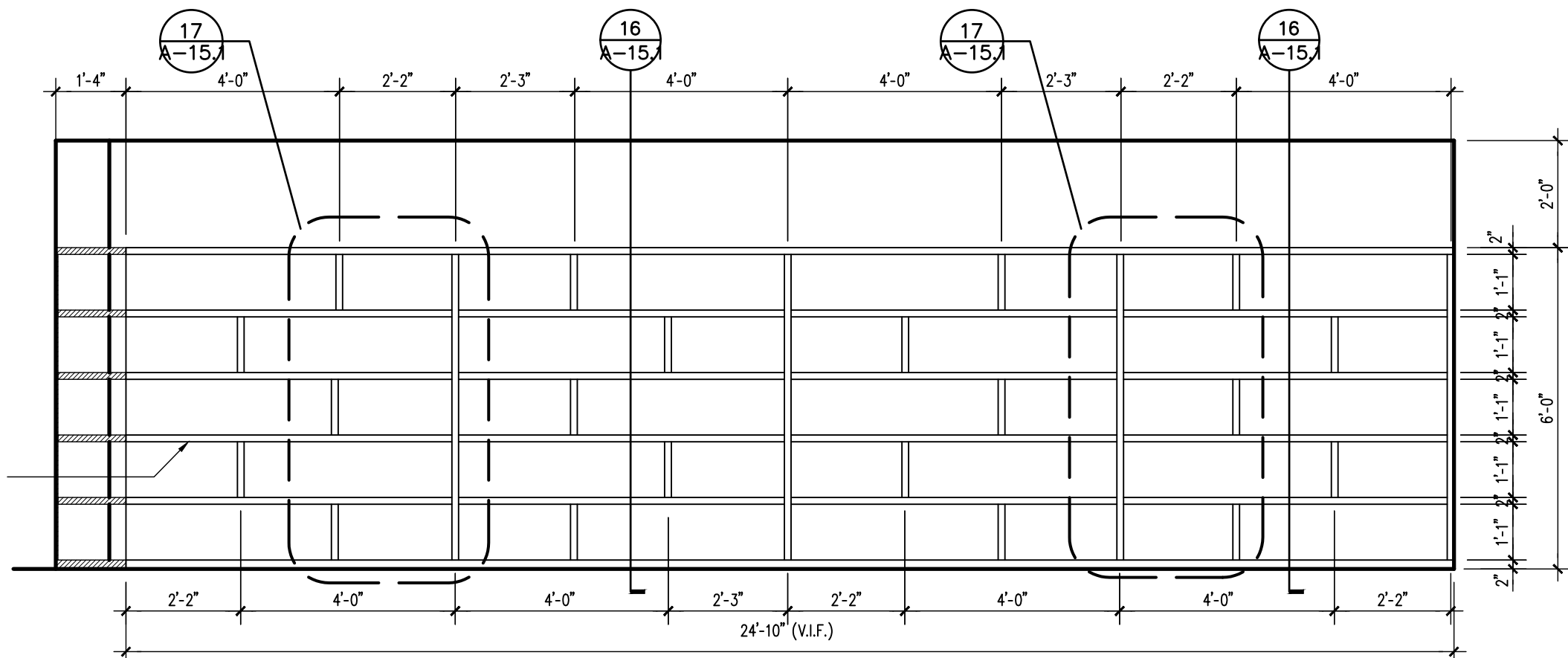
7 Elevation 3/8"
A-14 Restroom #239 & 240



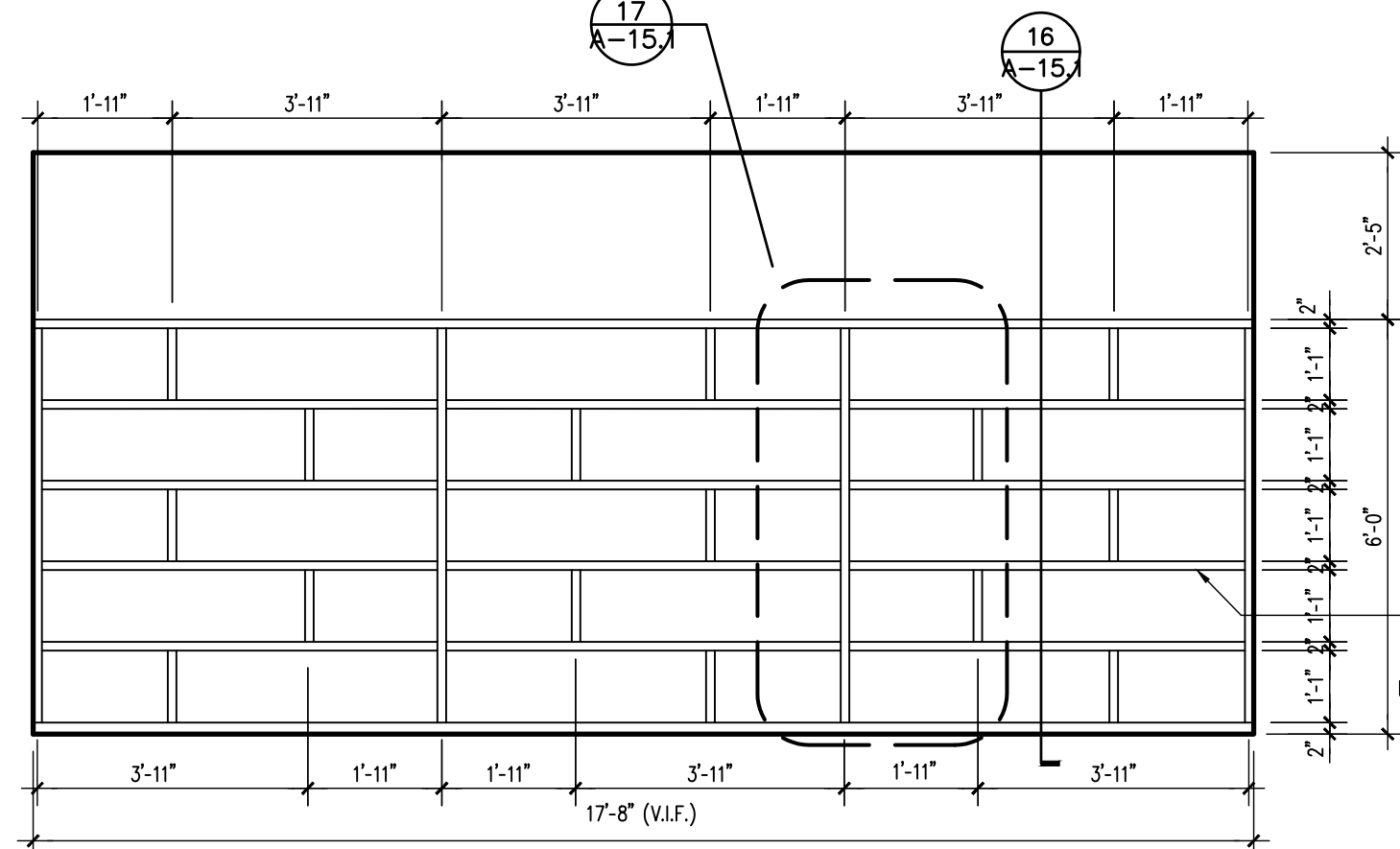
12 Partial Floor Plan 3/8"
A-14 Staff Office 139



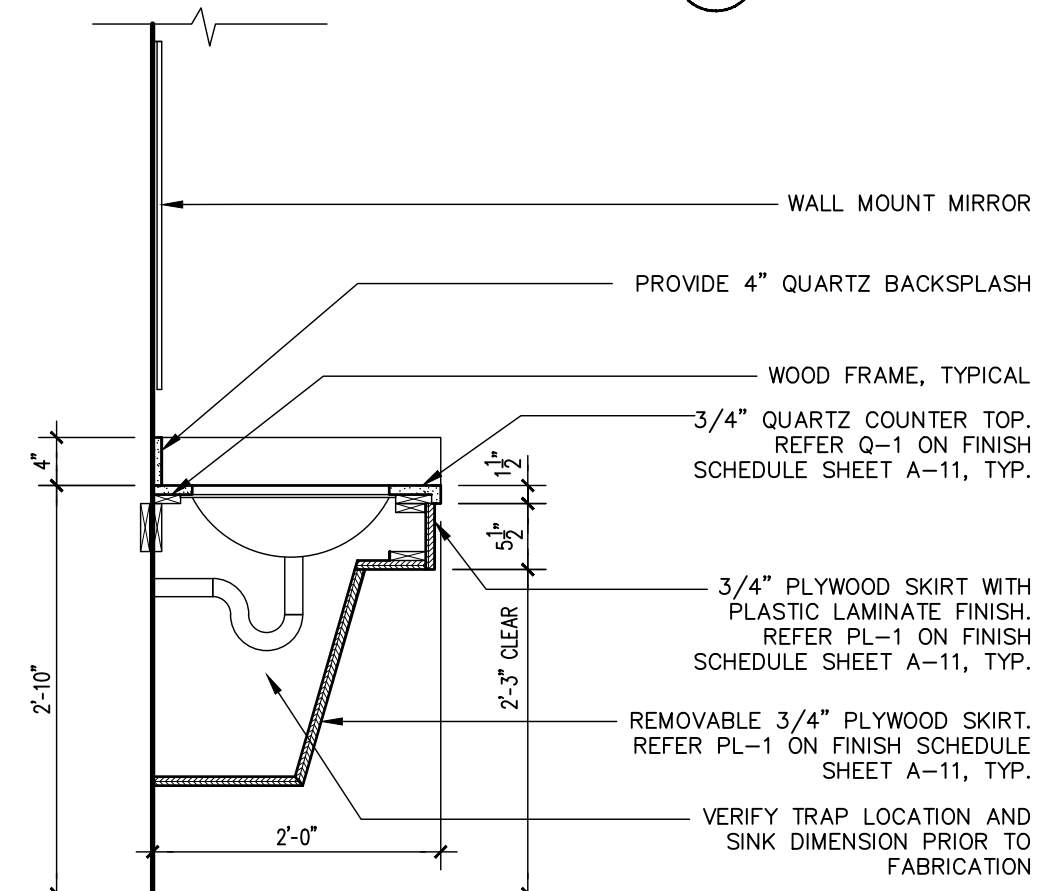
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A-14 Staff Office 139



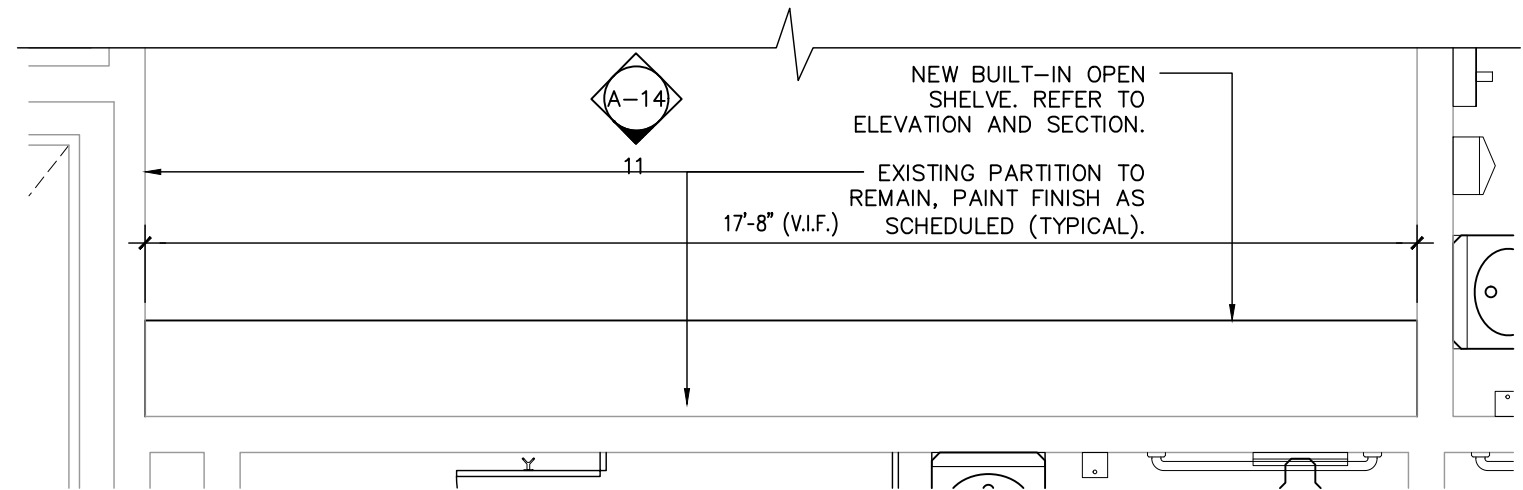
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A-14 Staff Office 139



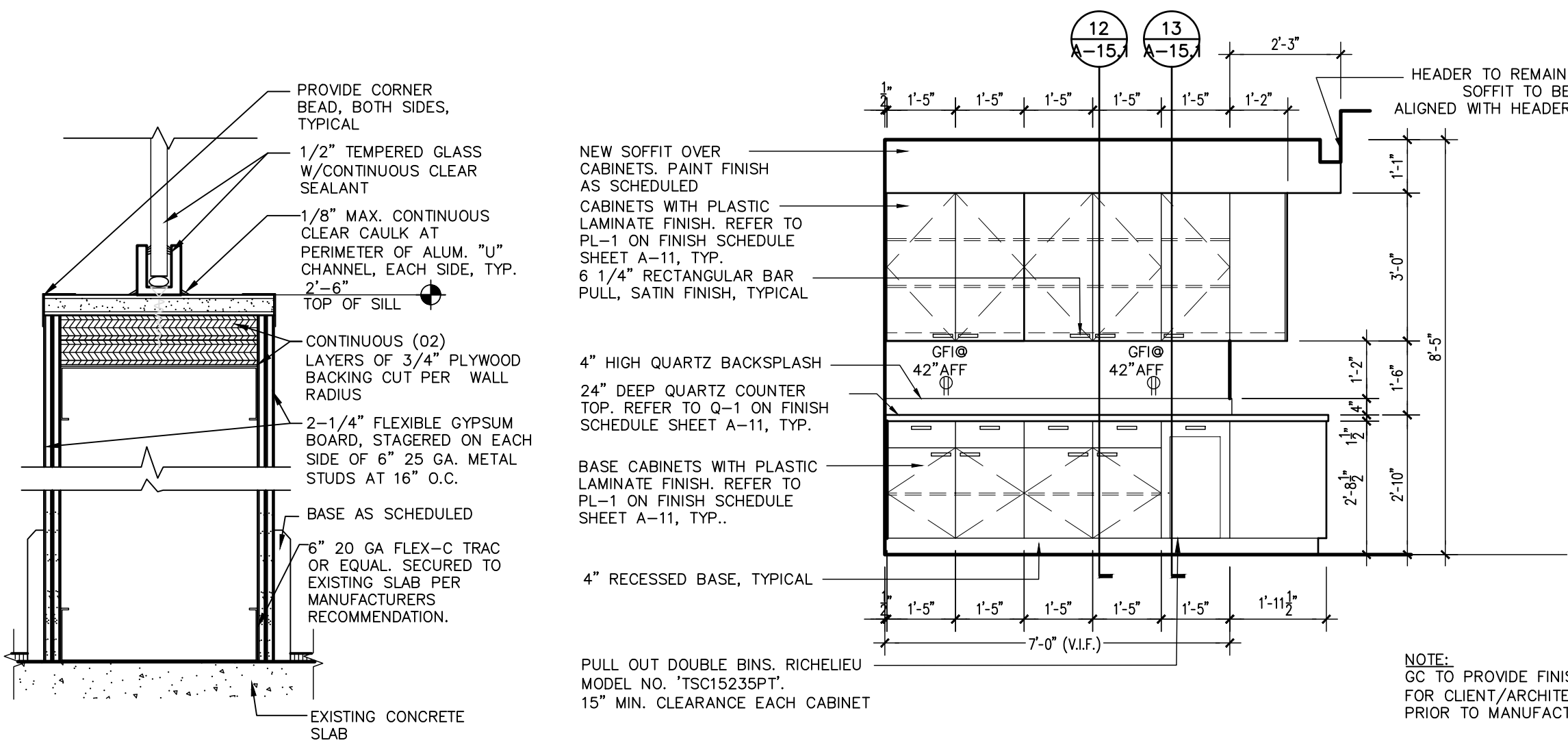
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A-14 Staff Office 230



8 Section 3/4"
A-14

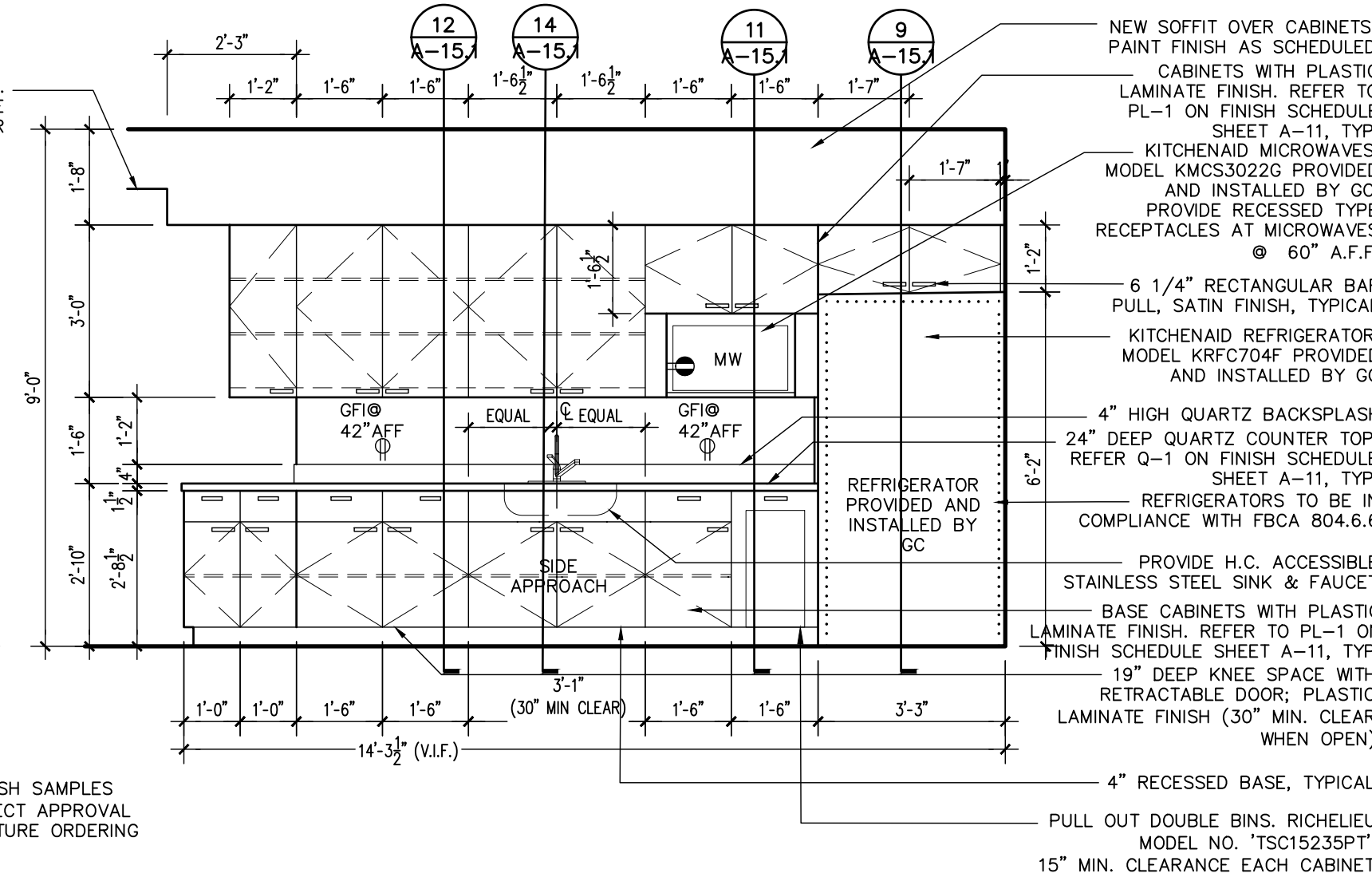


13 Partial Floor Plan 3/8"
A-14 Staff Office 230

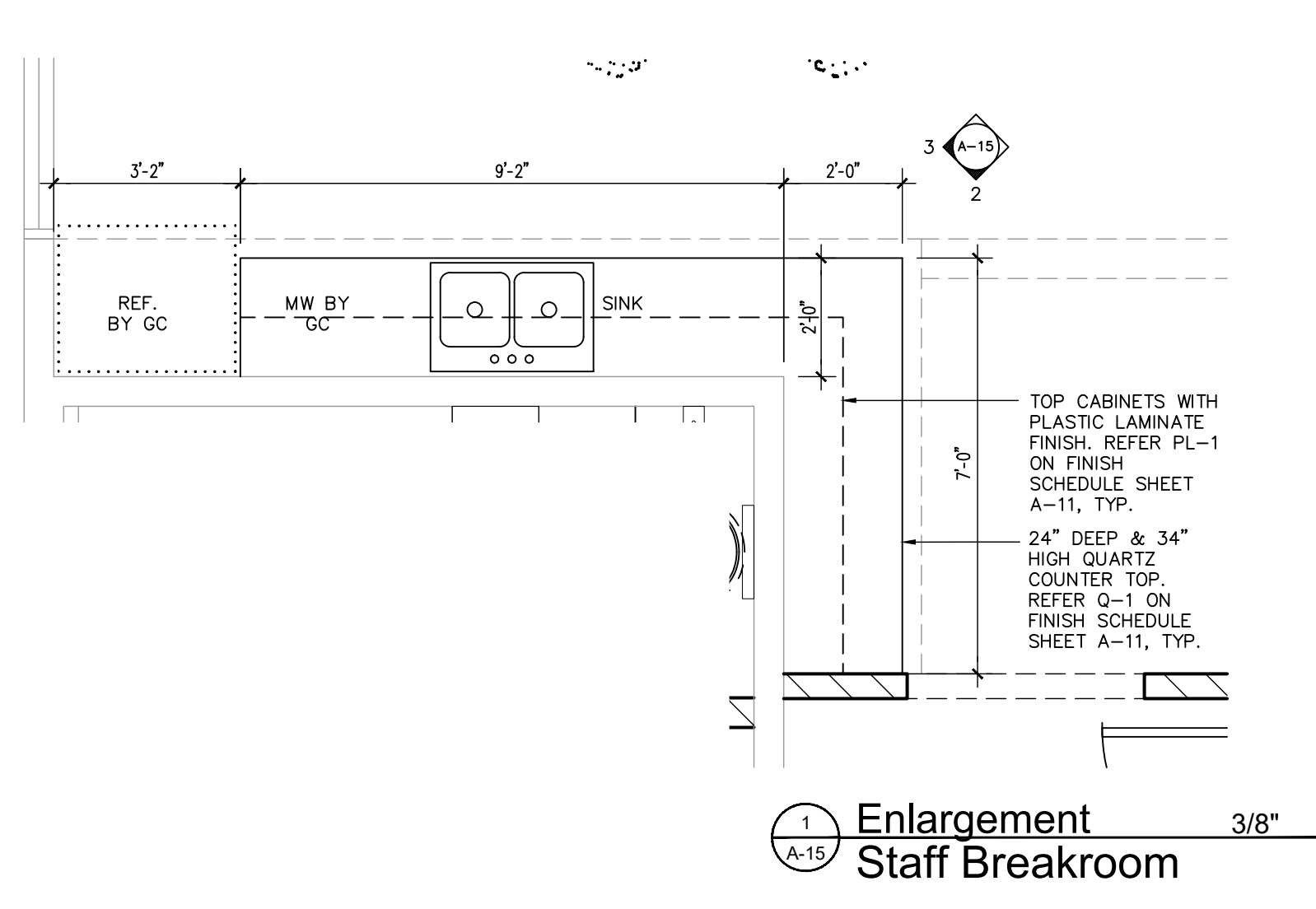


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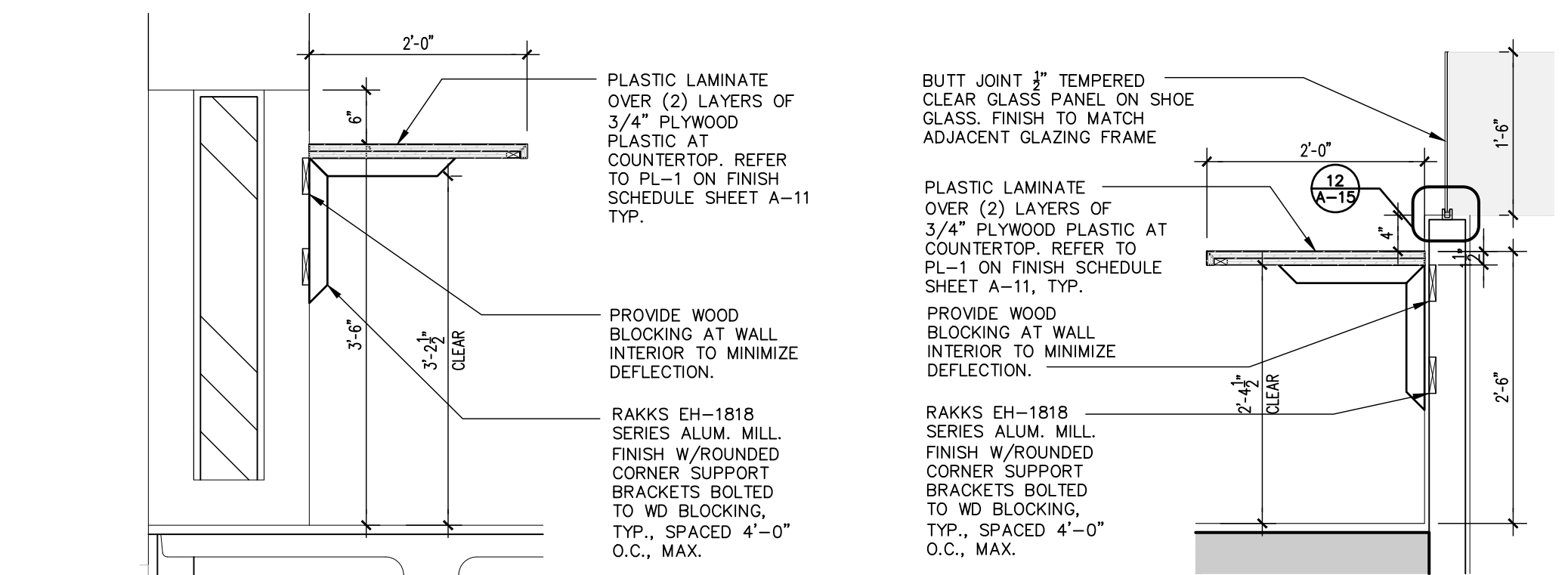
3 Elevation 3/8"



2 Elevation 3/8"



1 Enlargement 3/8" Staff Breakroom

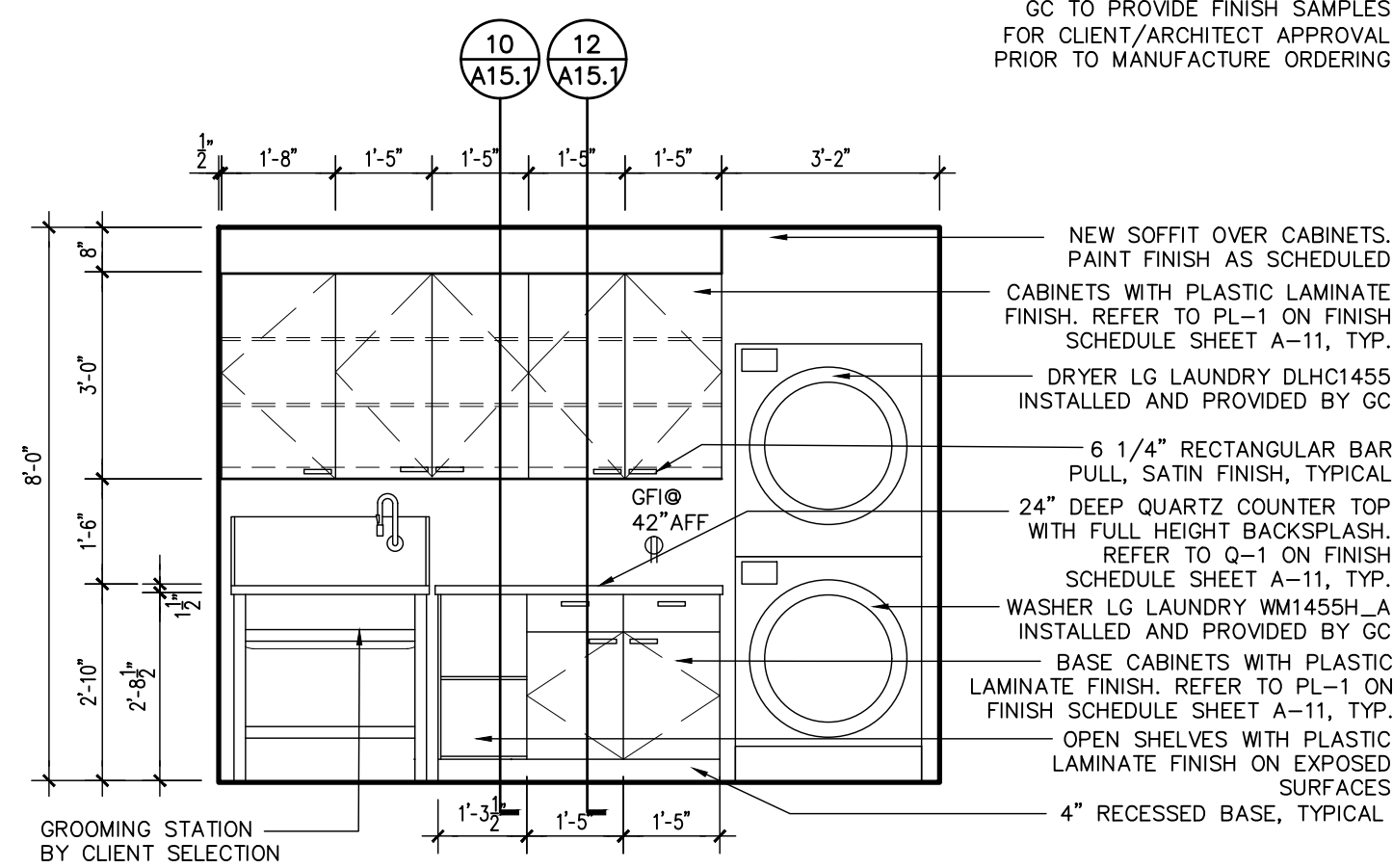


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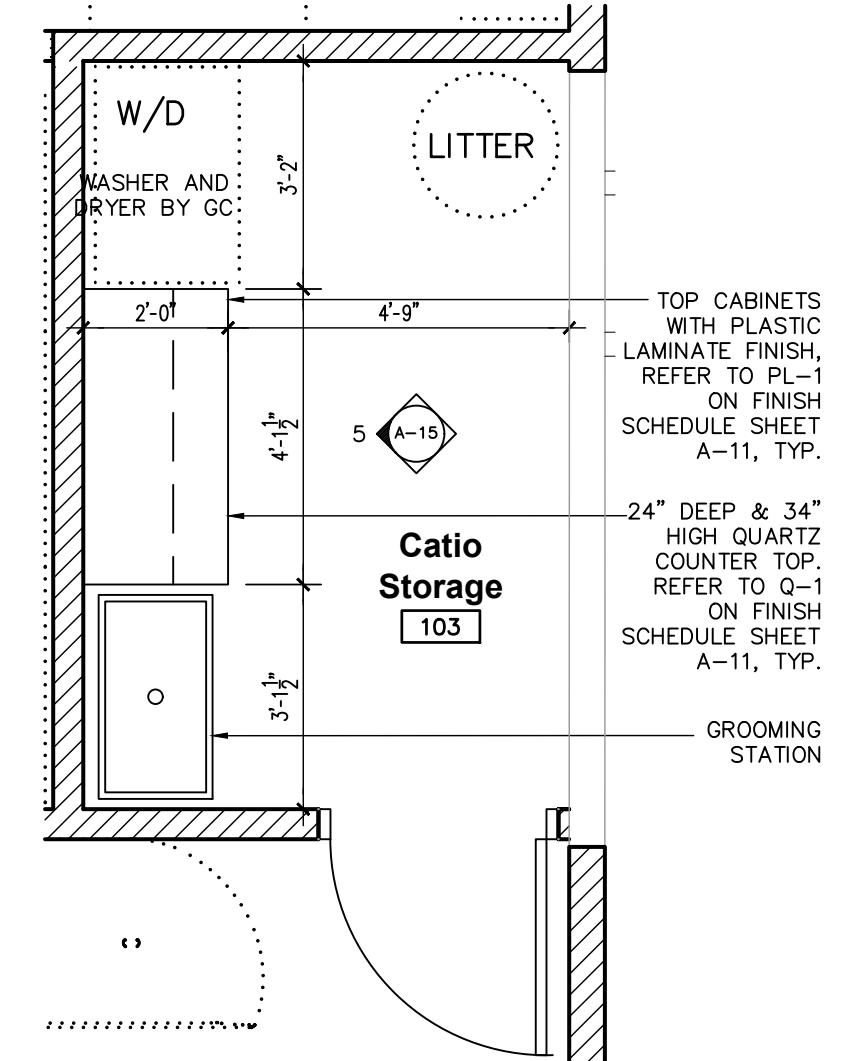
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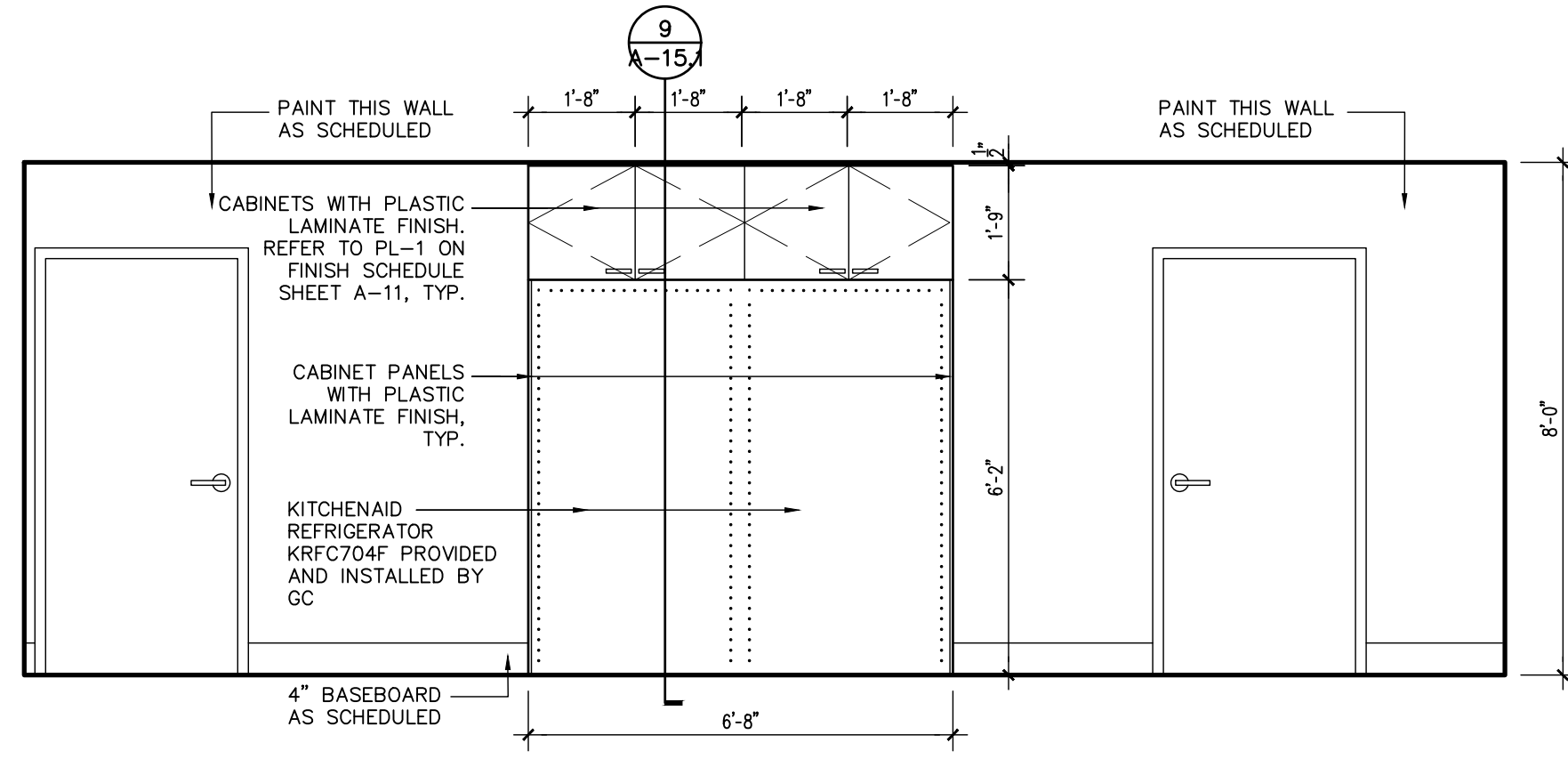
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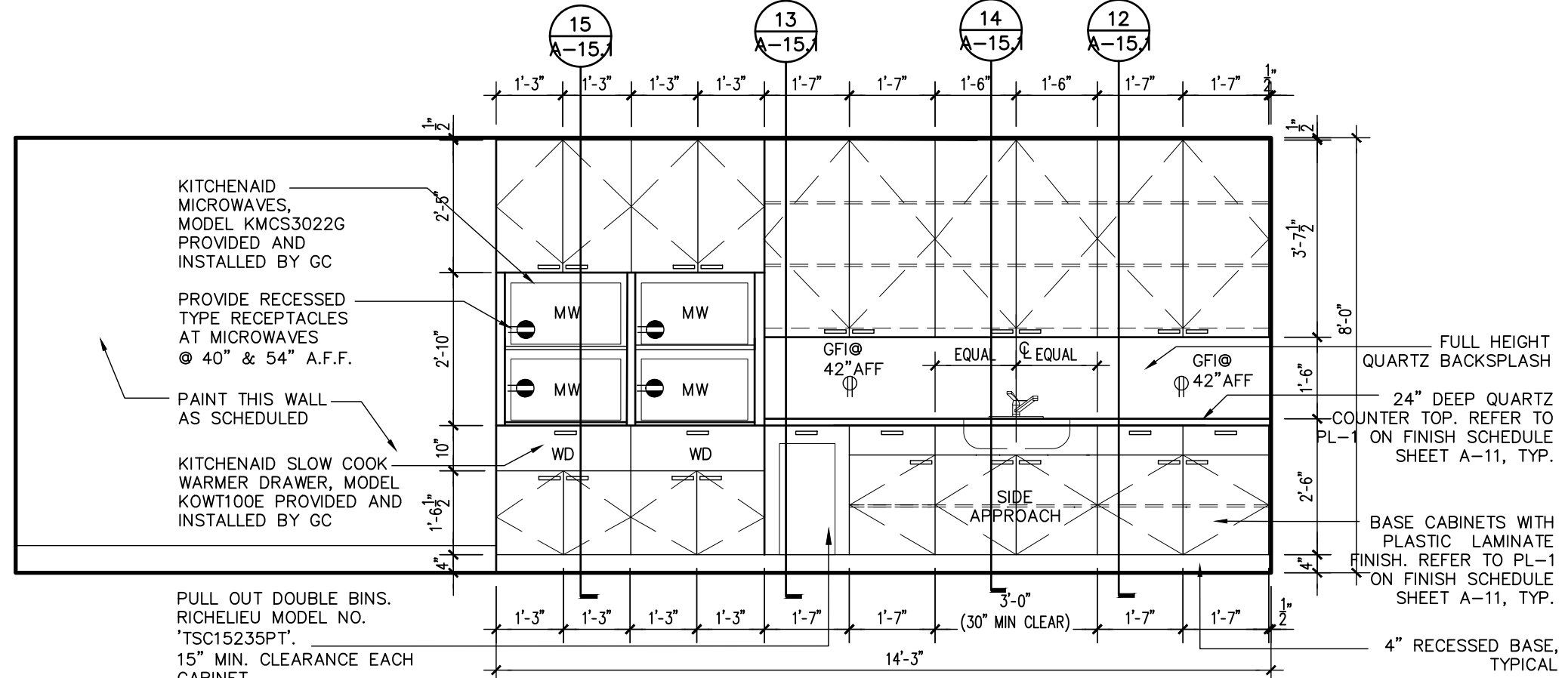
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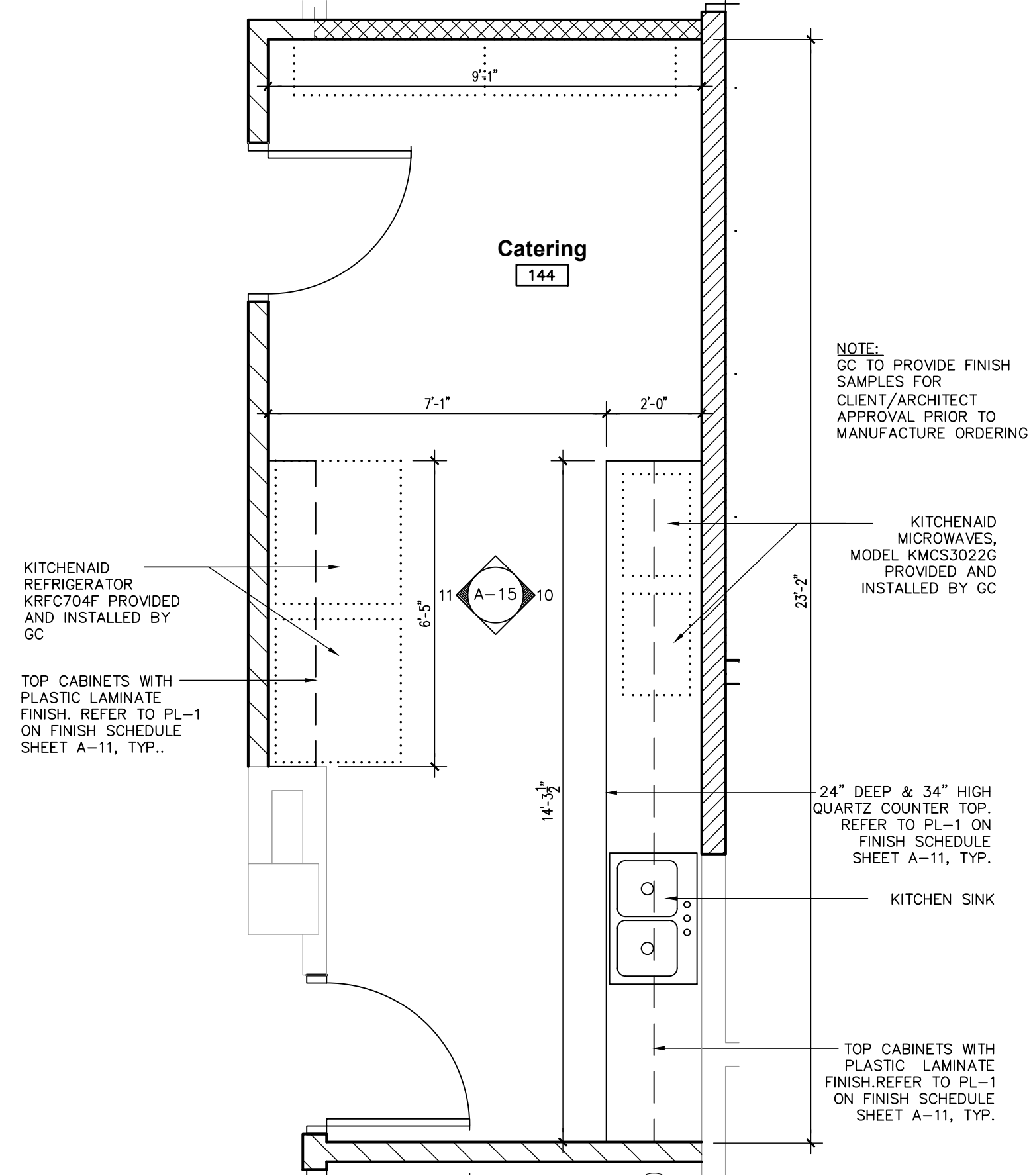
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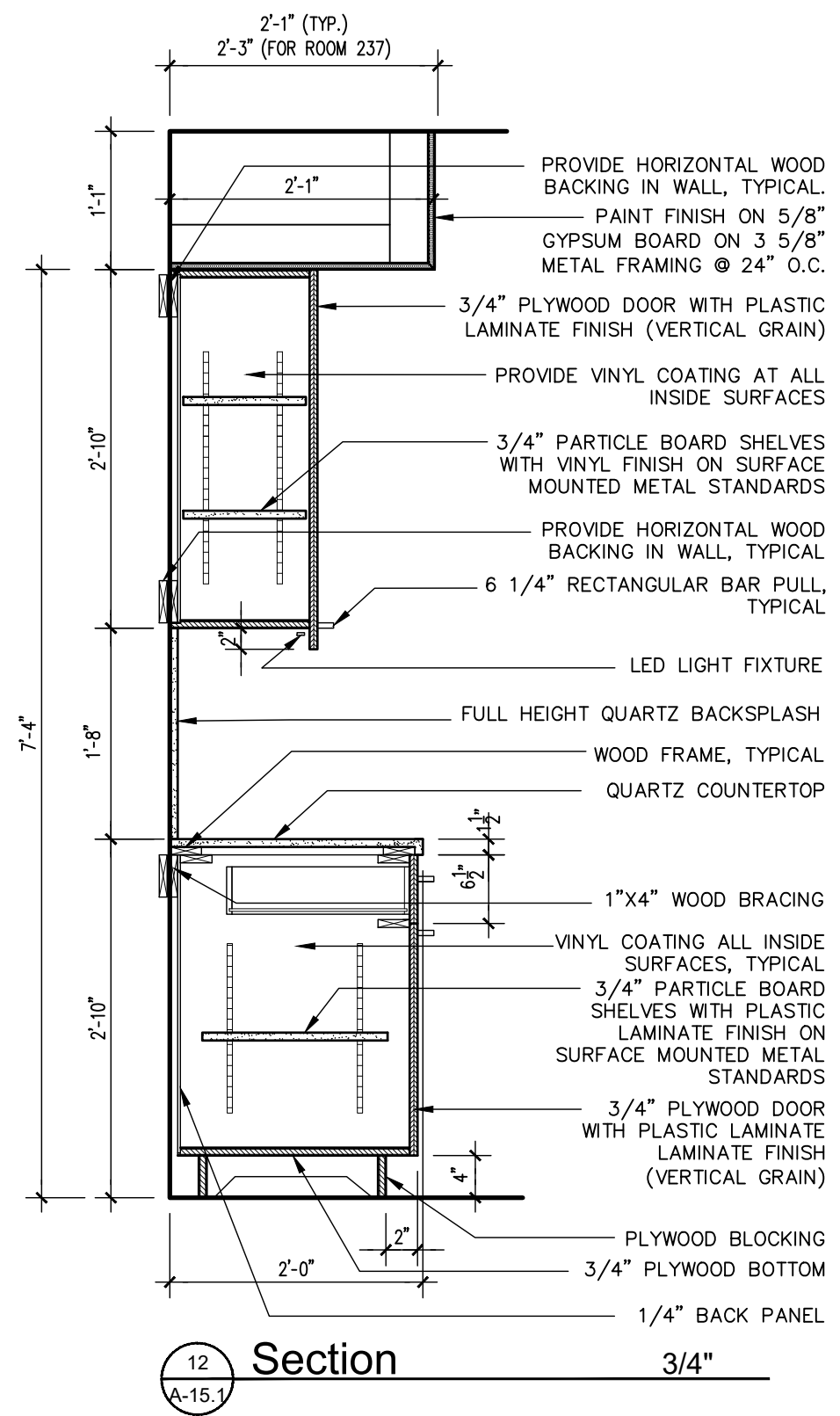
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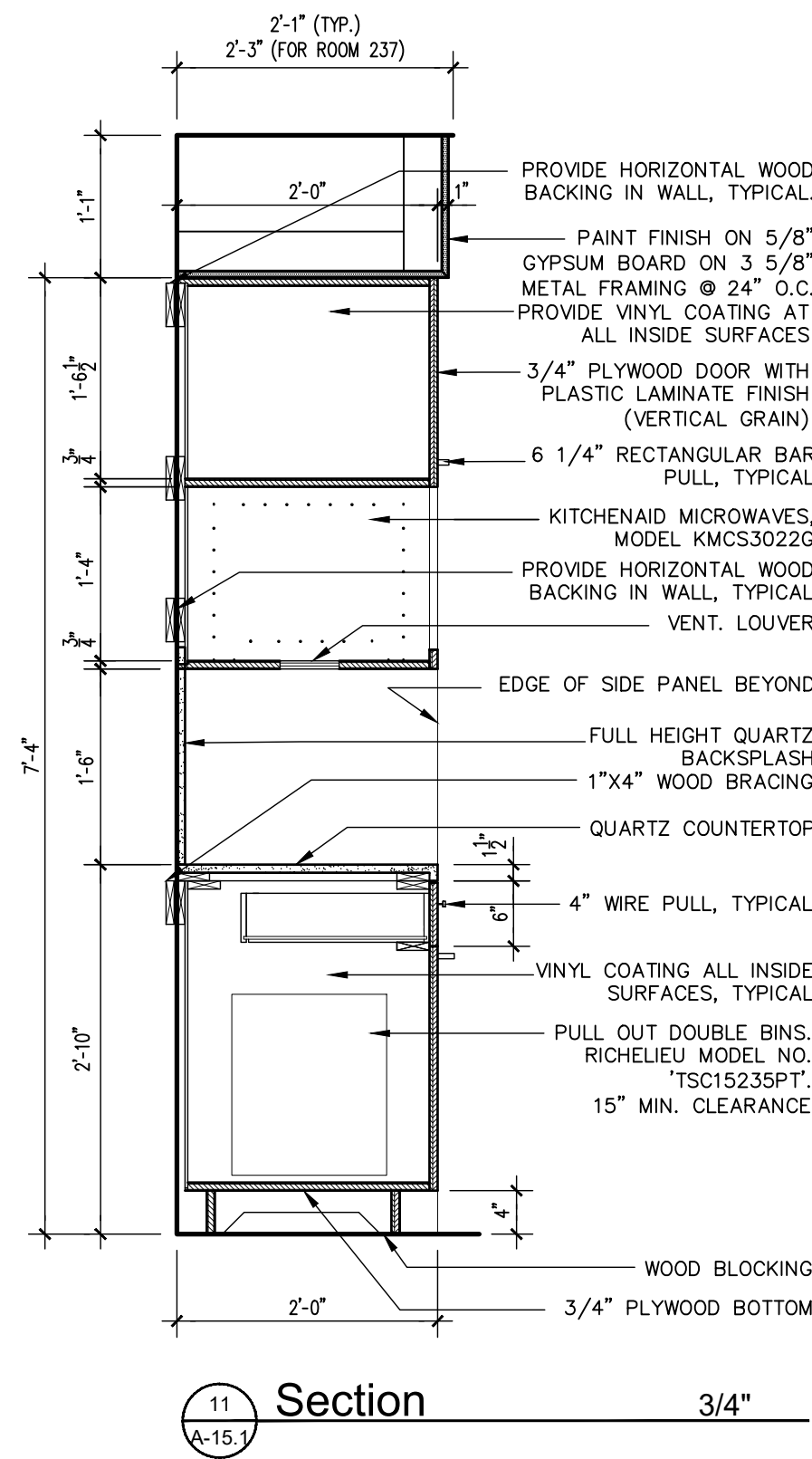
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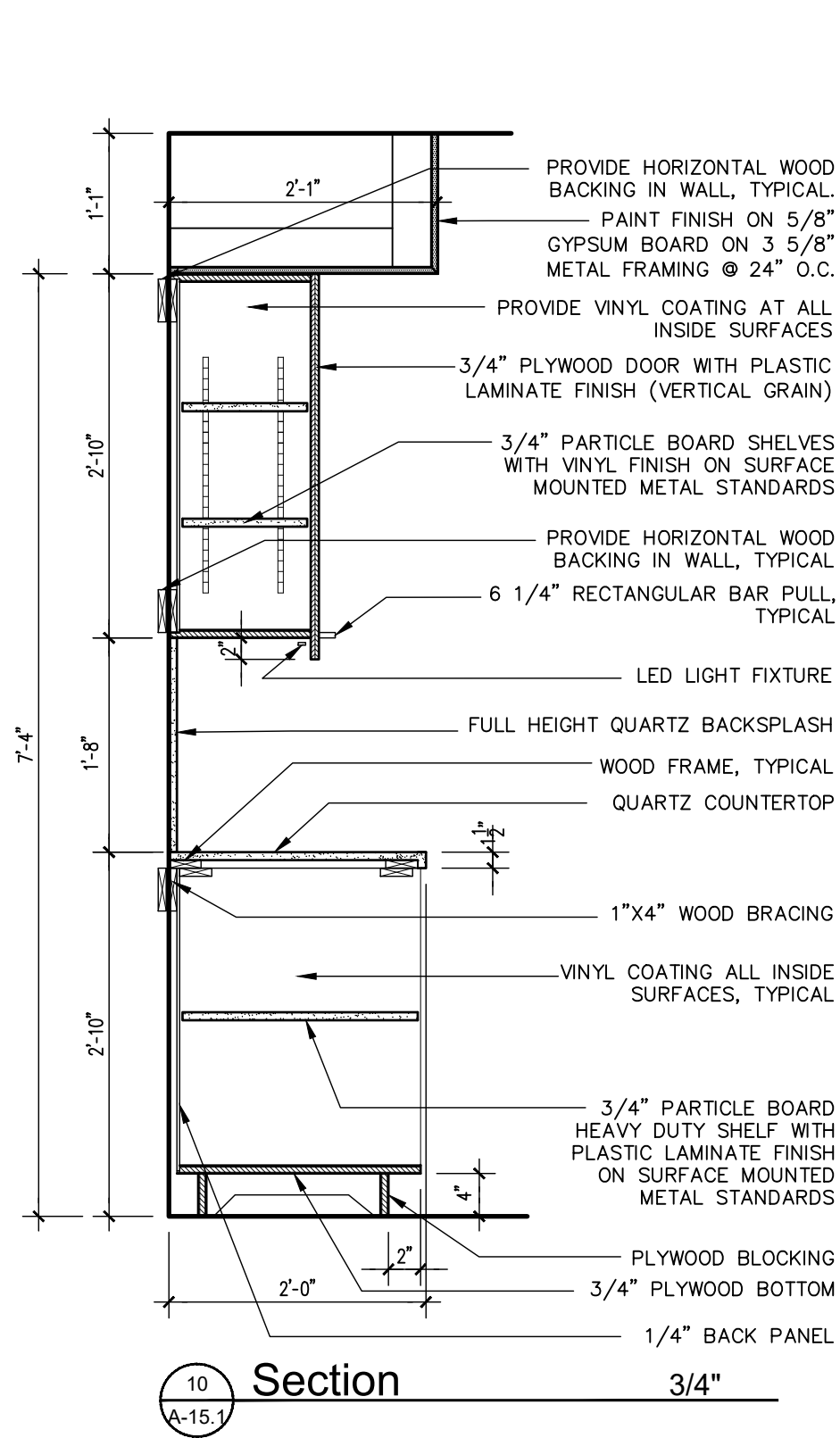
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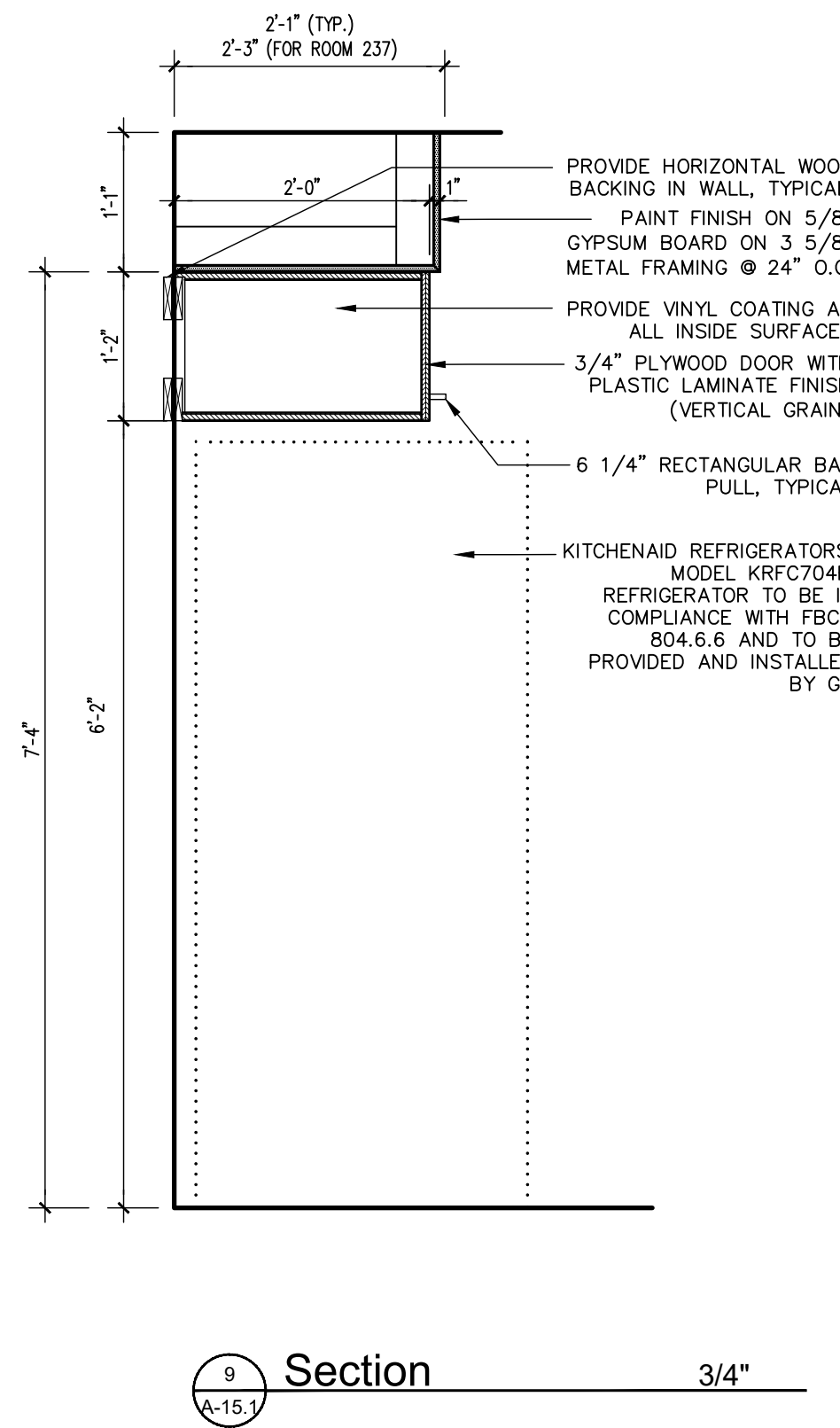
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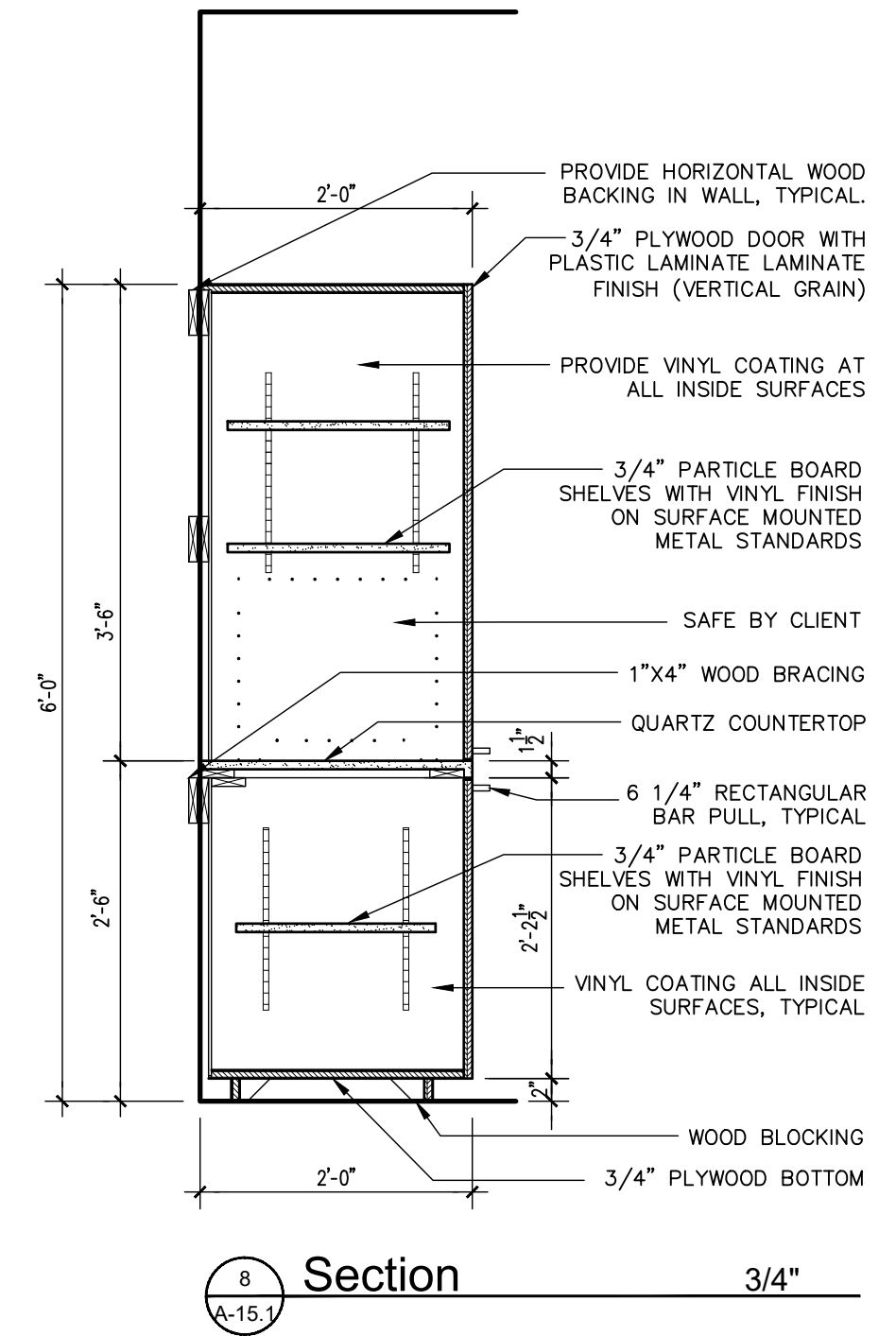
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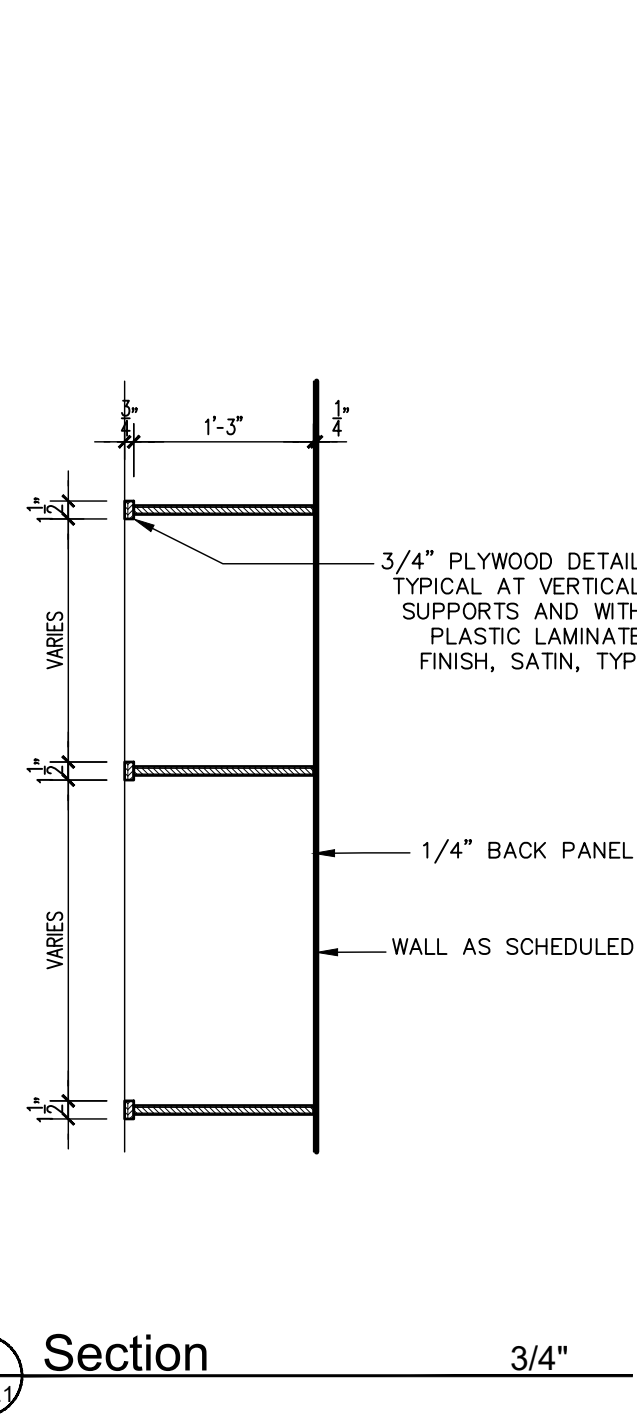
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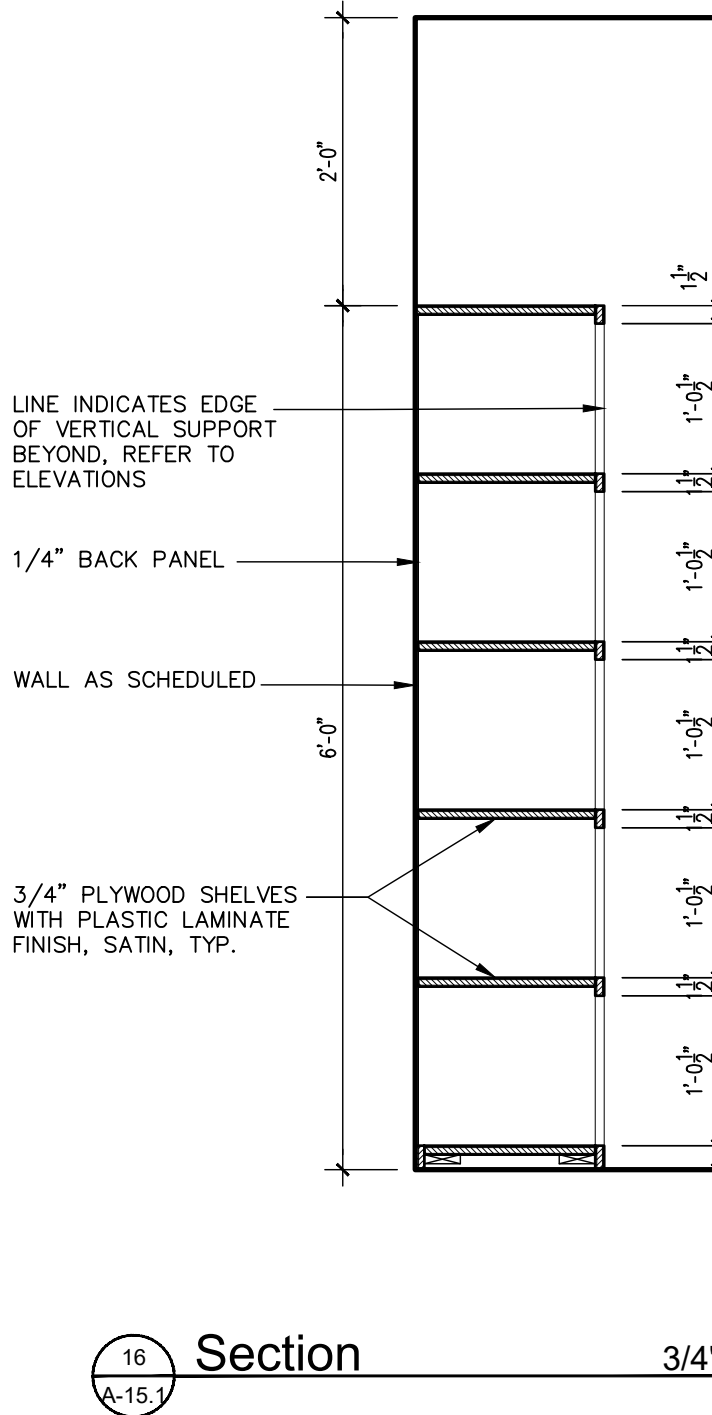
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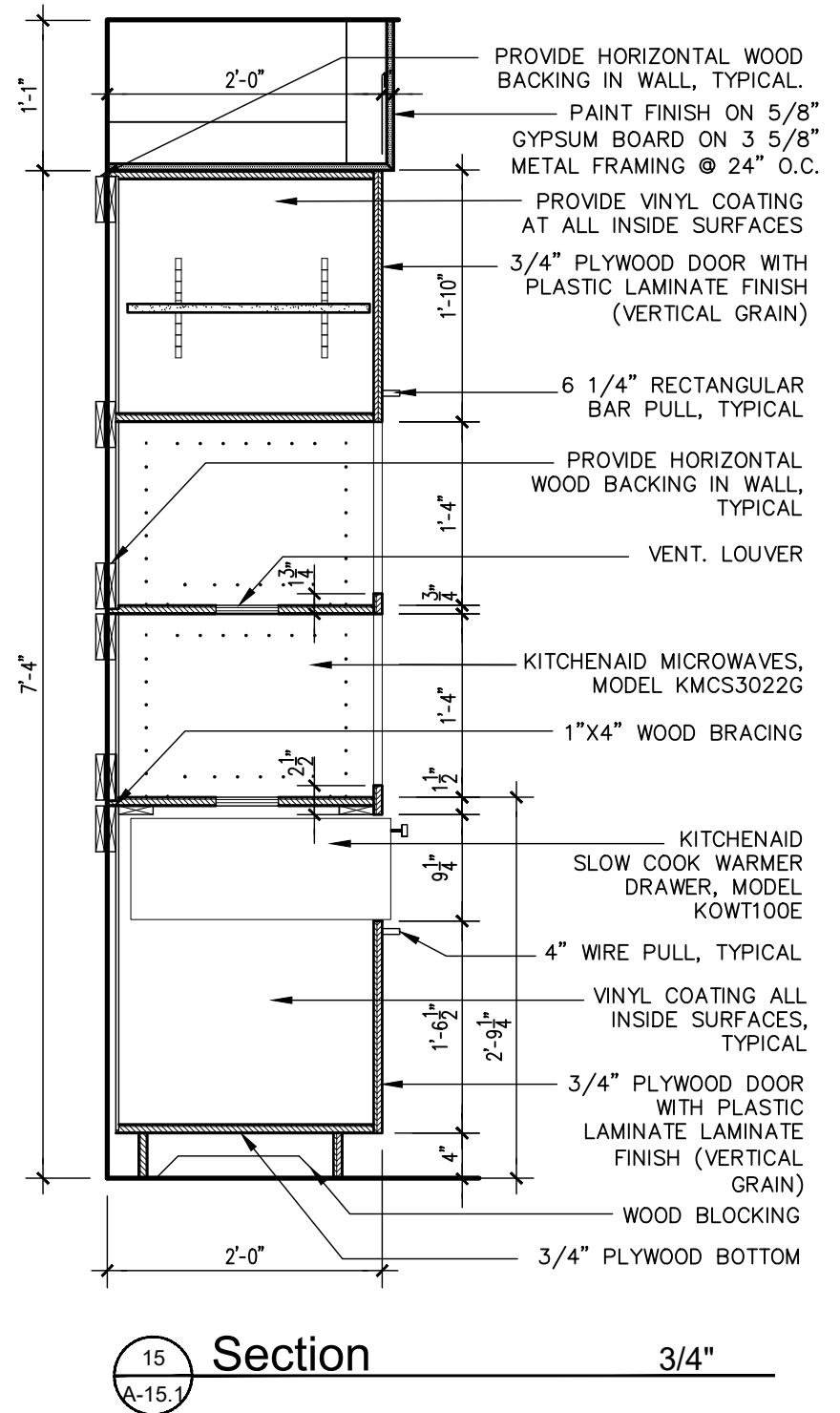
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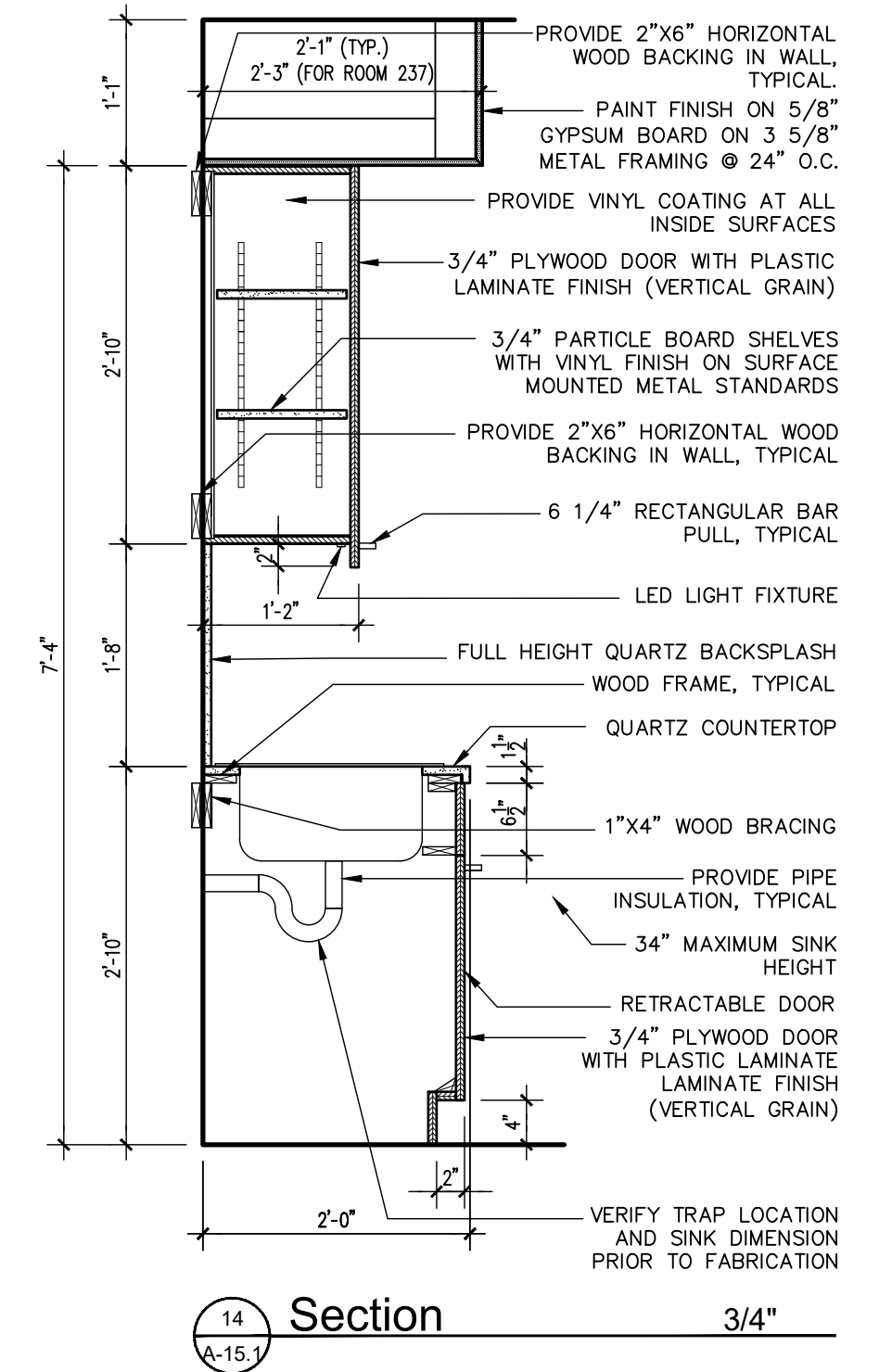
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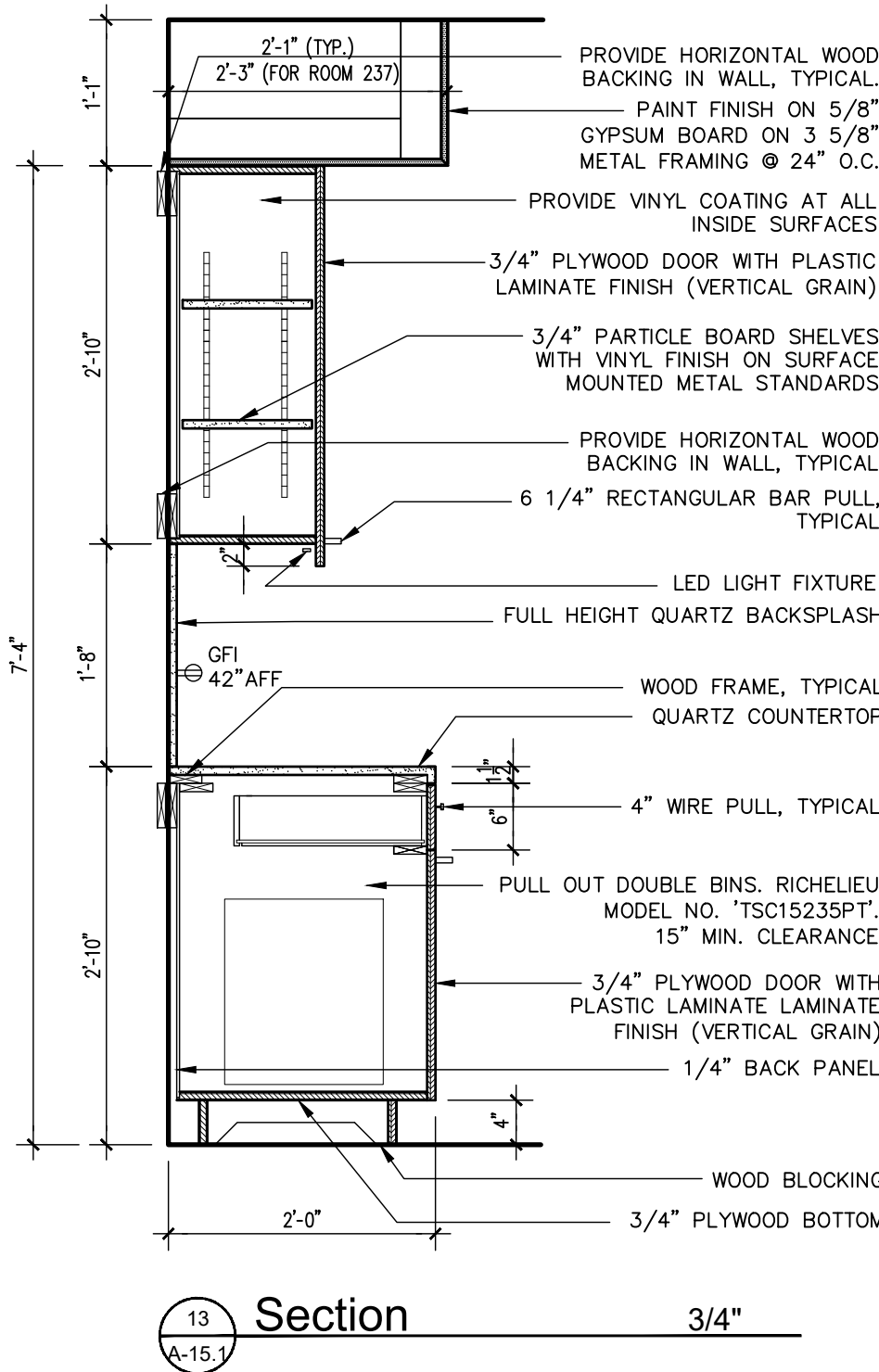
Section 16
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3/4"



Section 15
A-15.1
3/4"



Section 14
A-15.1
3/4"



Section 13
A-15.1
3/4"

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Owner:

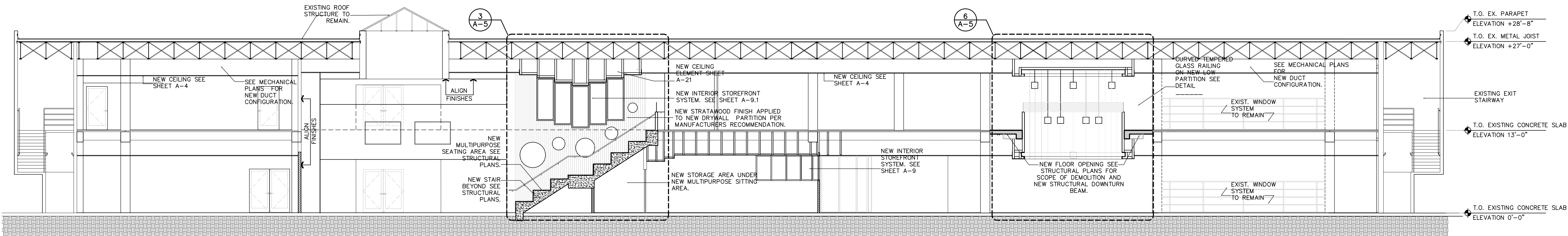
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Commission
20026

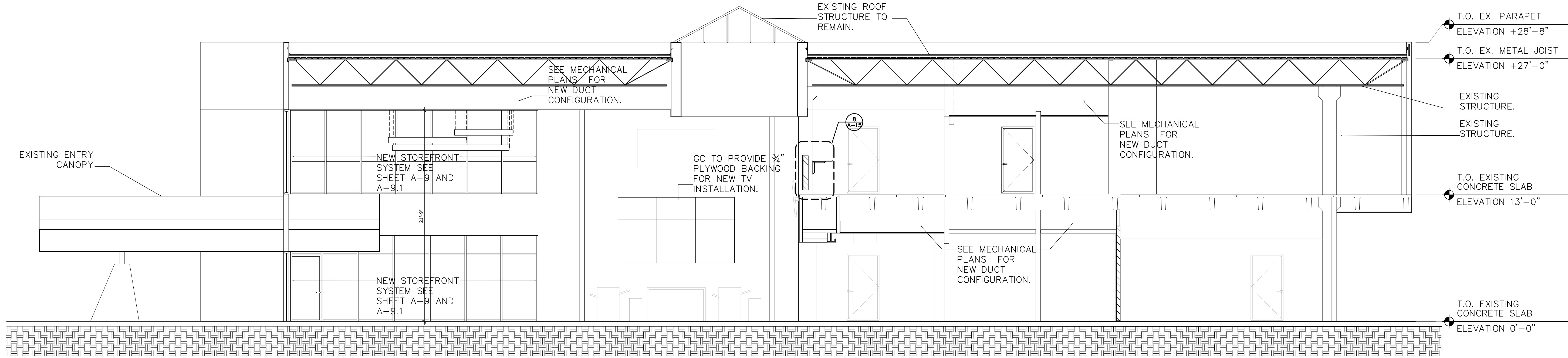
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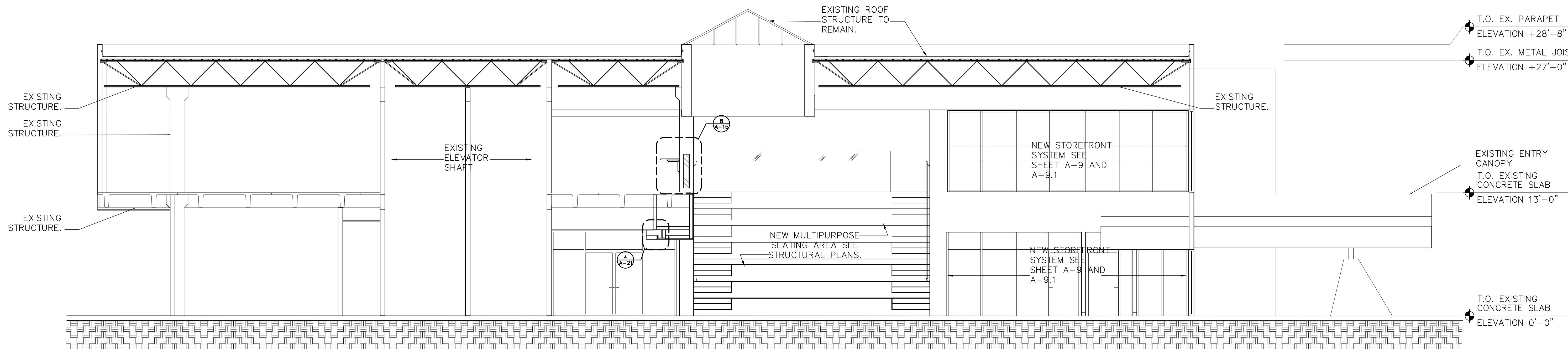
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1 A-16 Building Section 1/8"



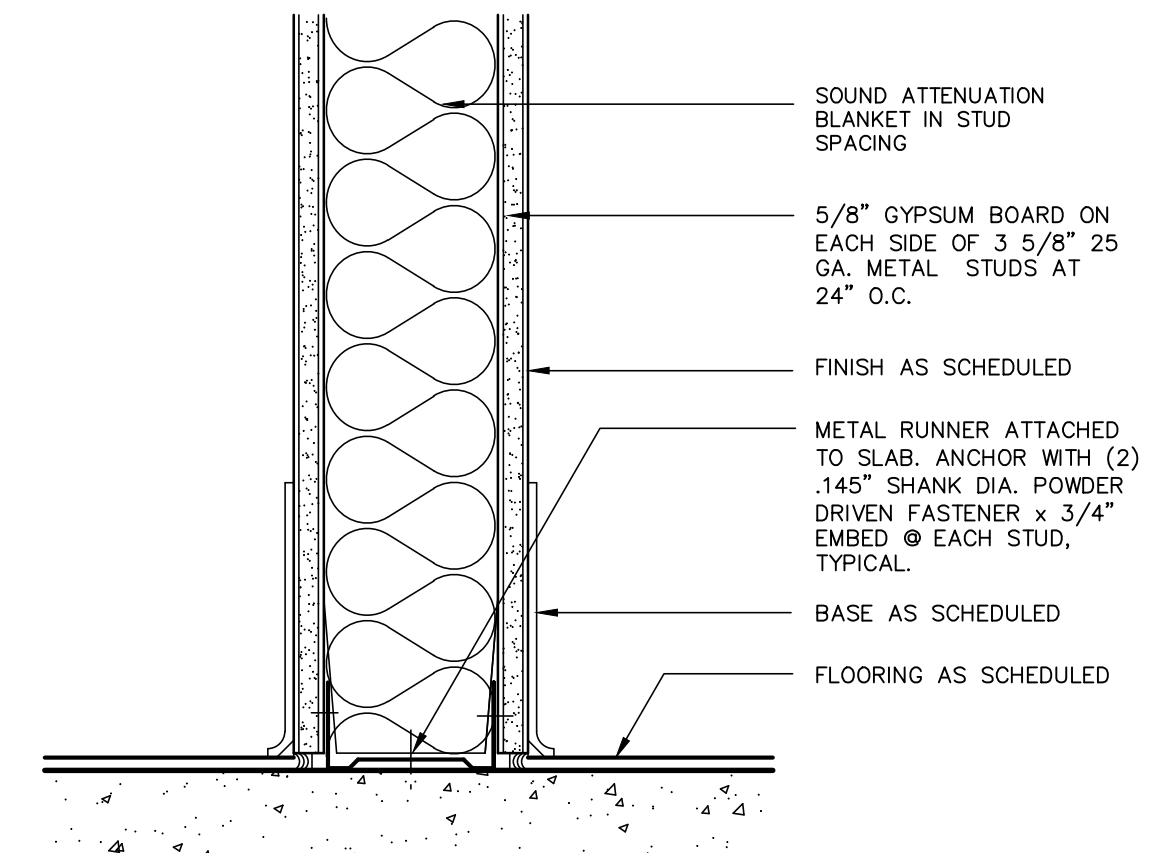
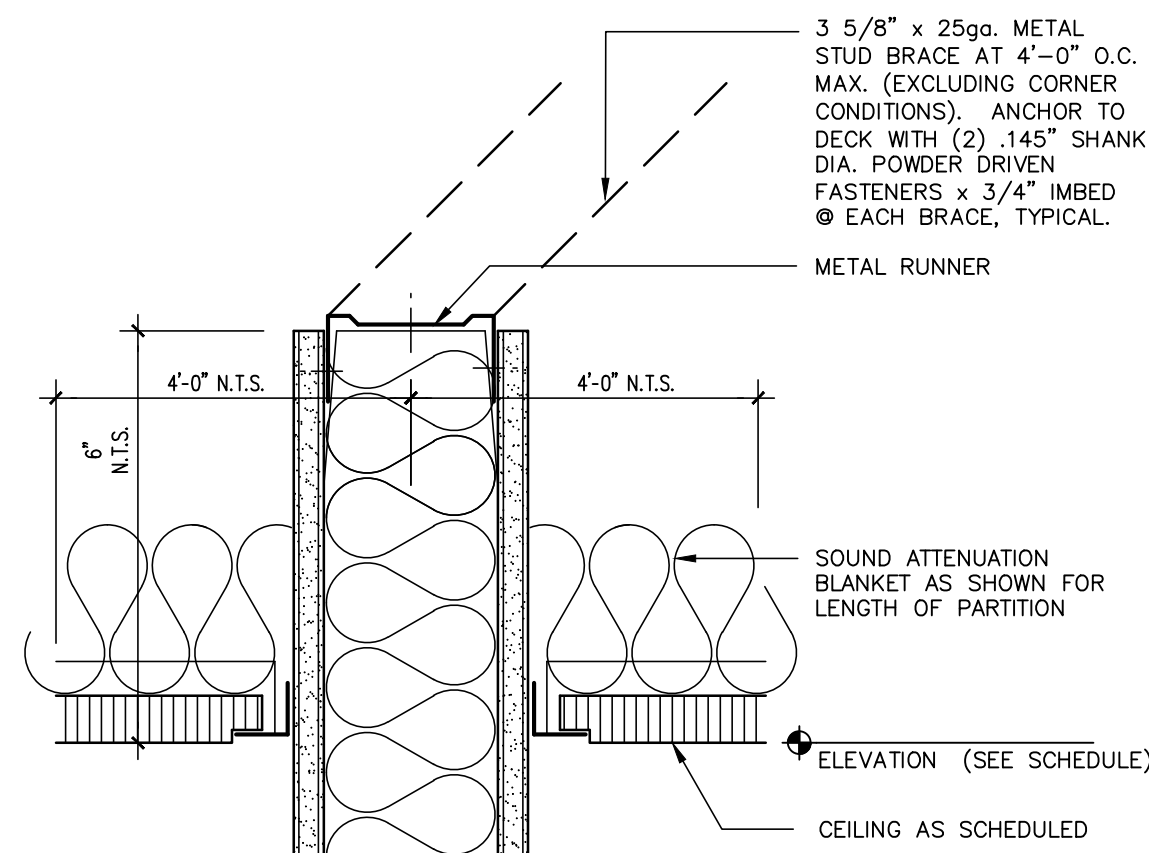
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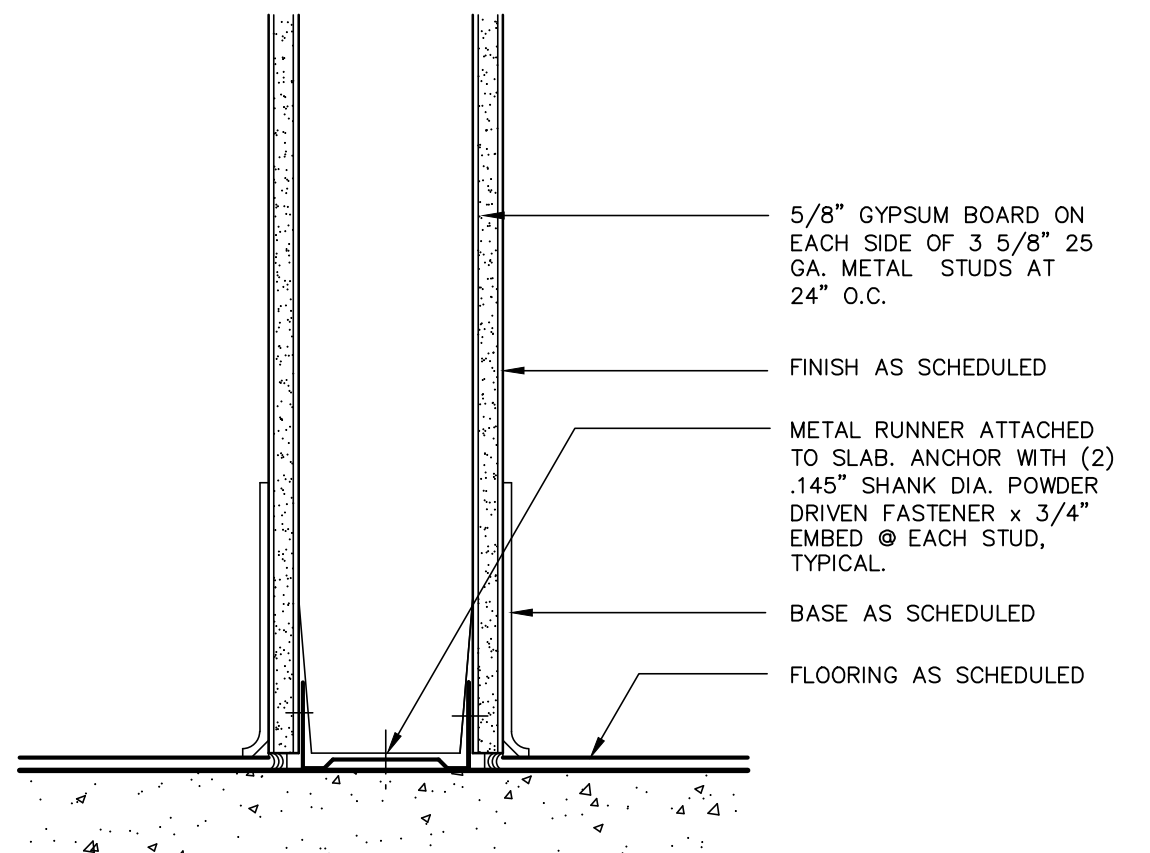
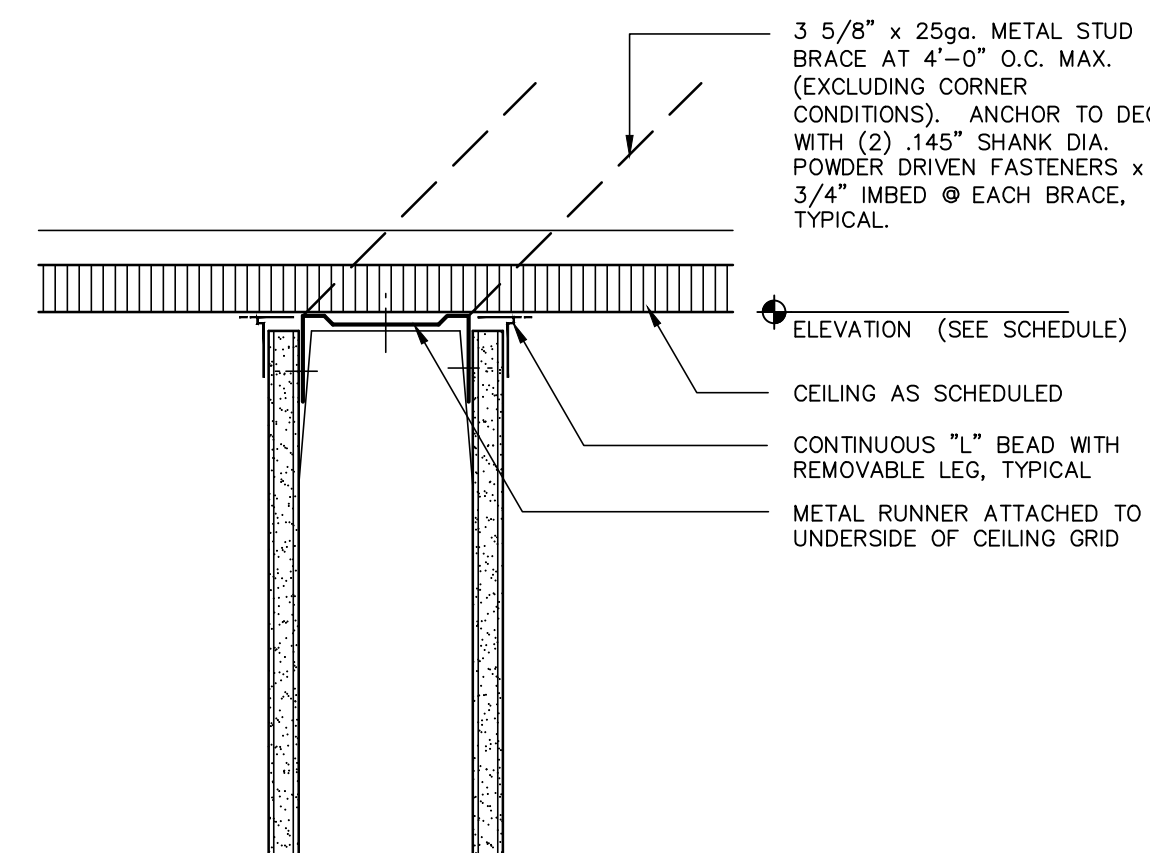
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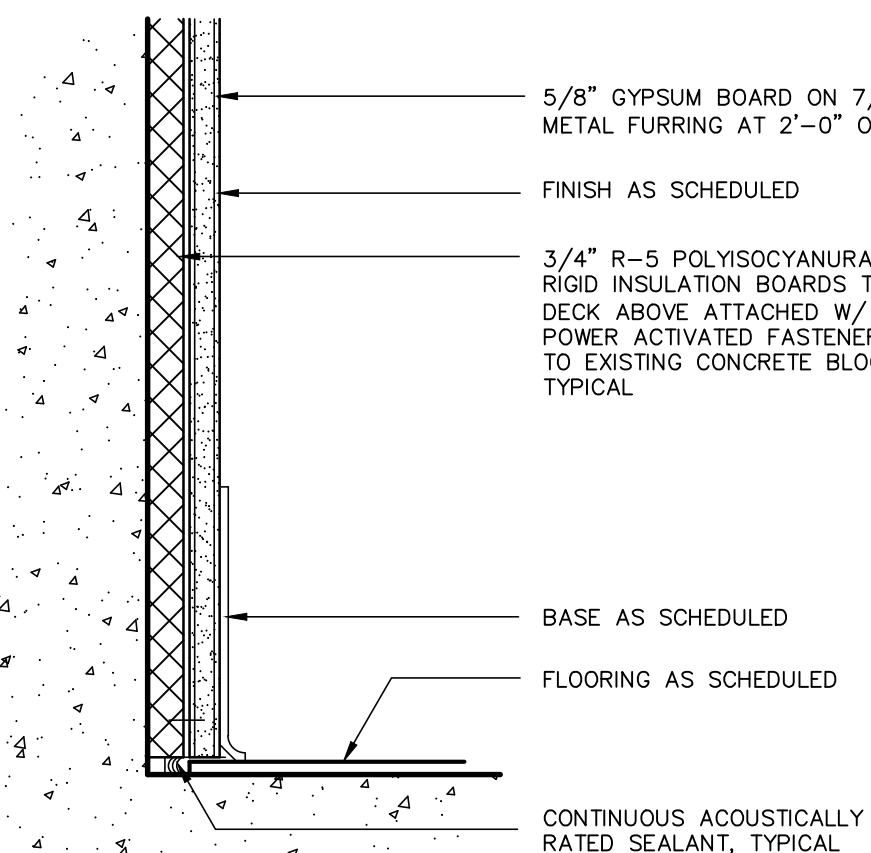
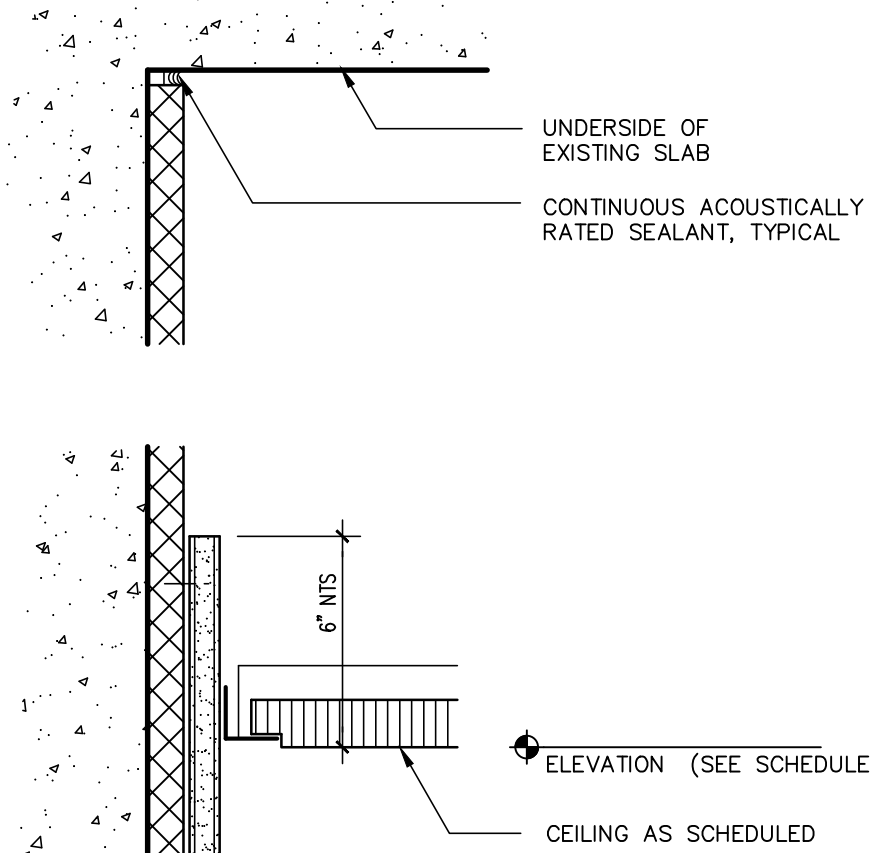
Date
05-22-23
Commission
20026
Revisions



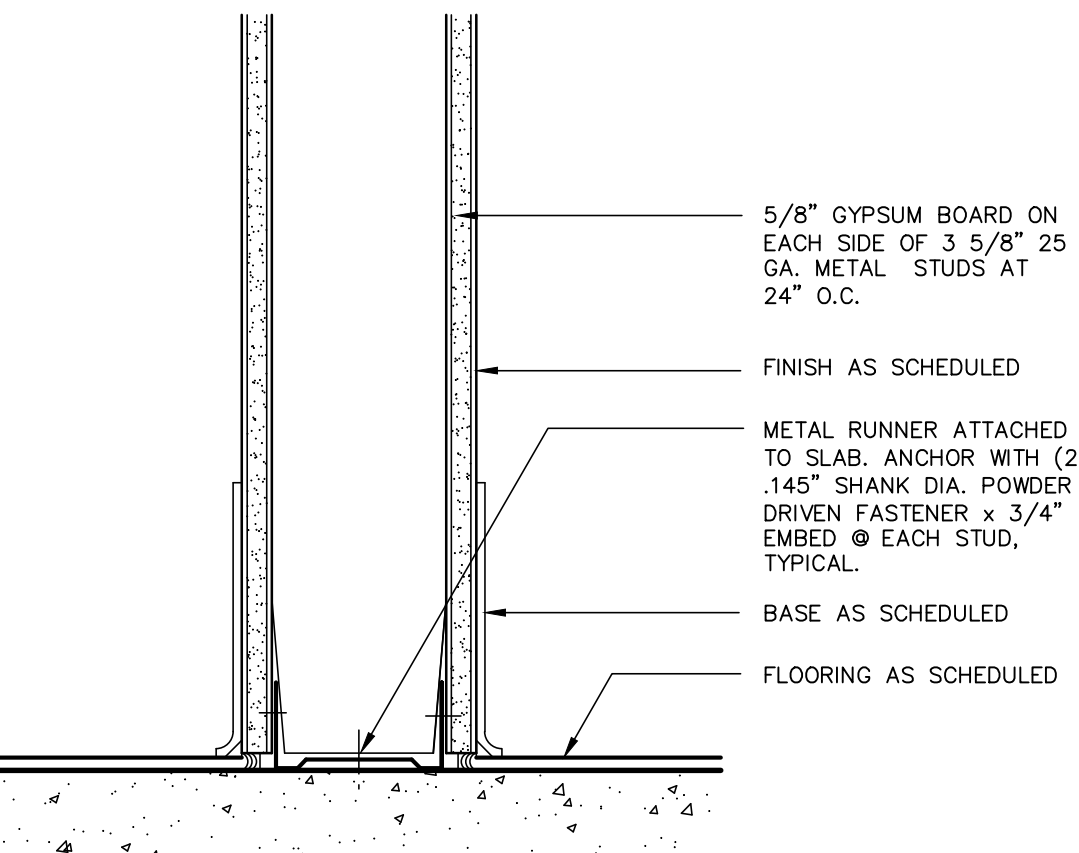
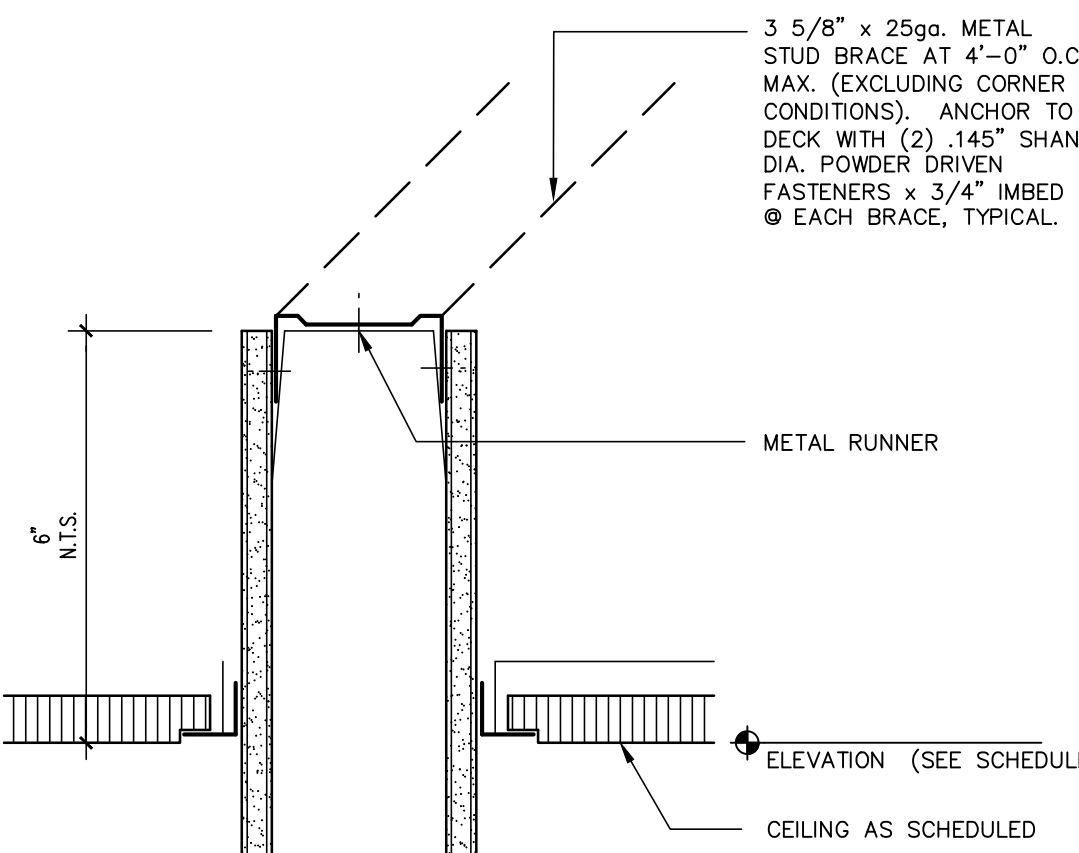
Partition Type 'B' 3"



Partition Type 'C' 3"

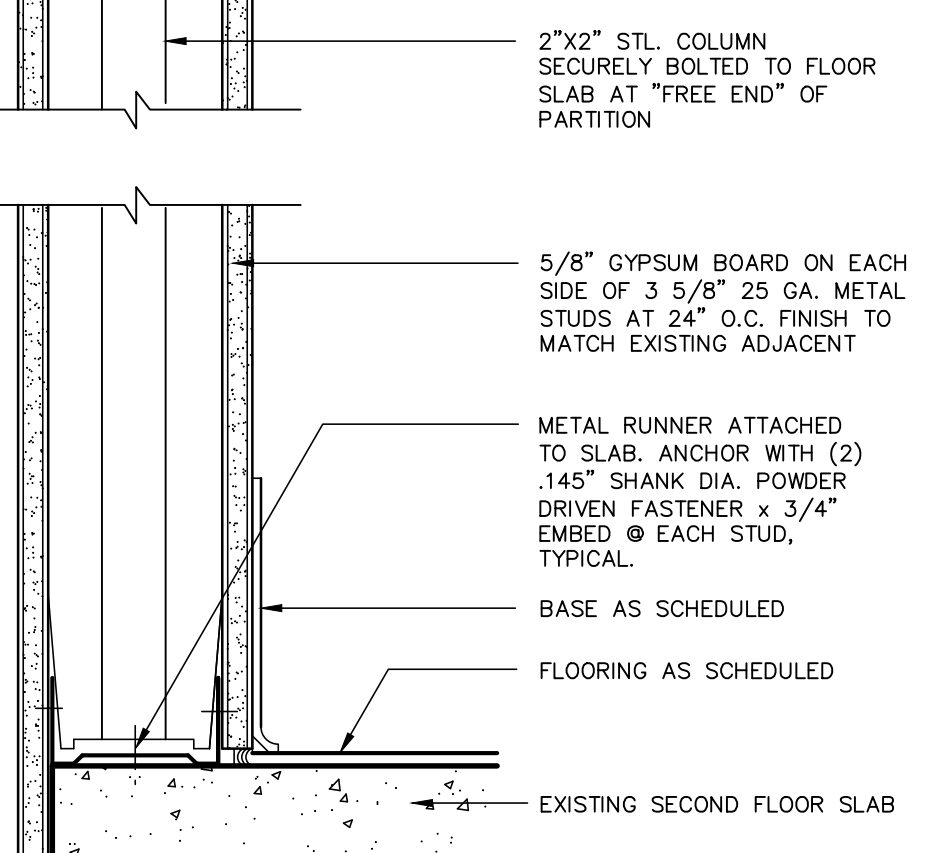
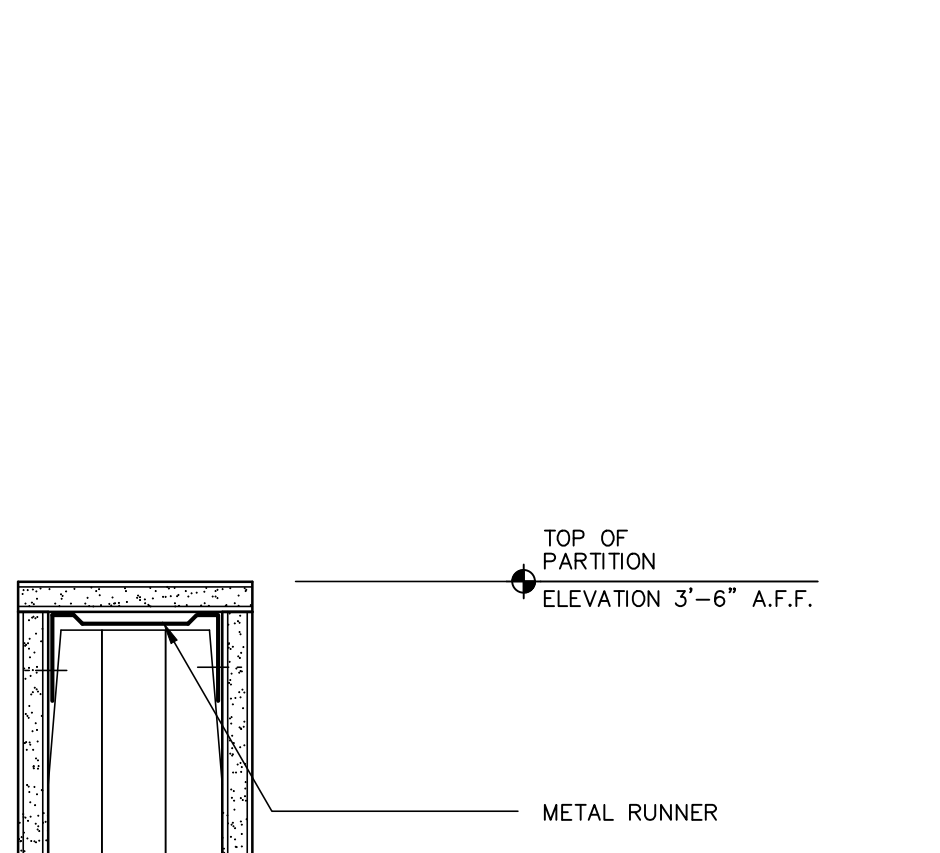


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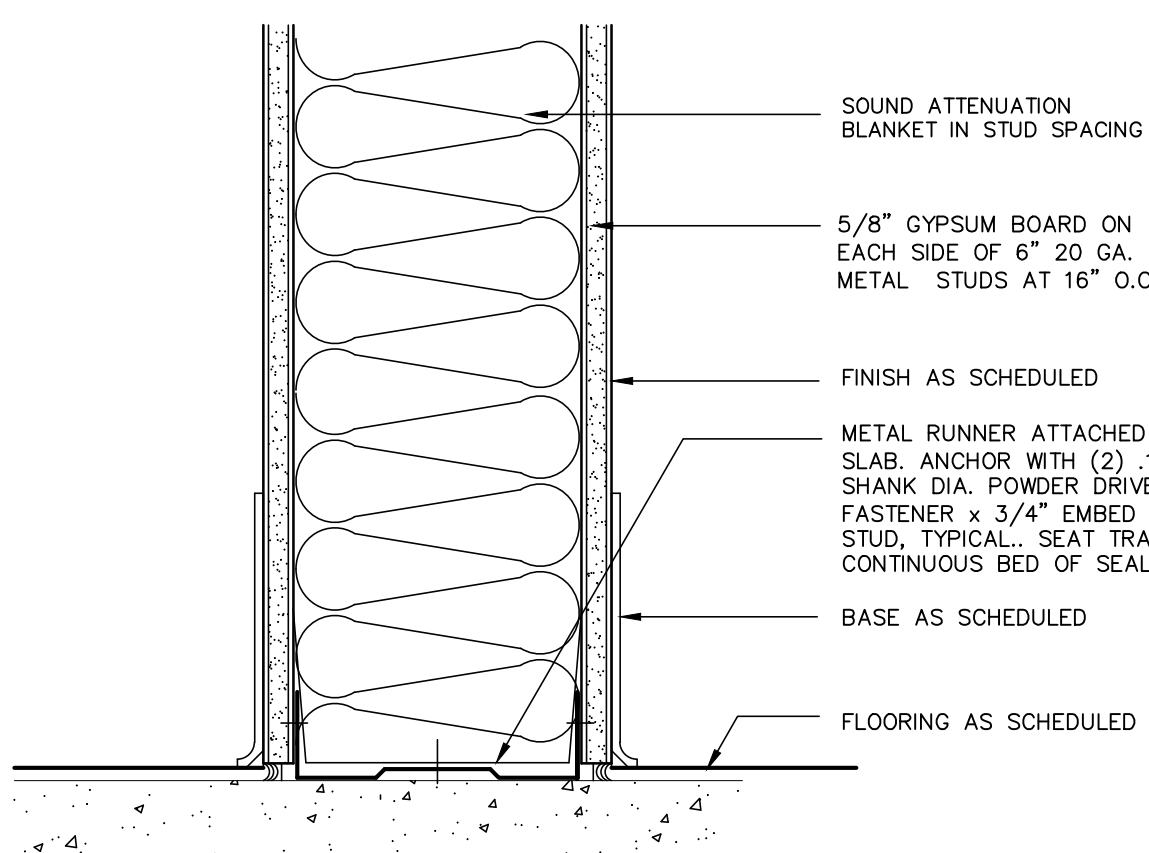
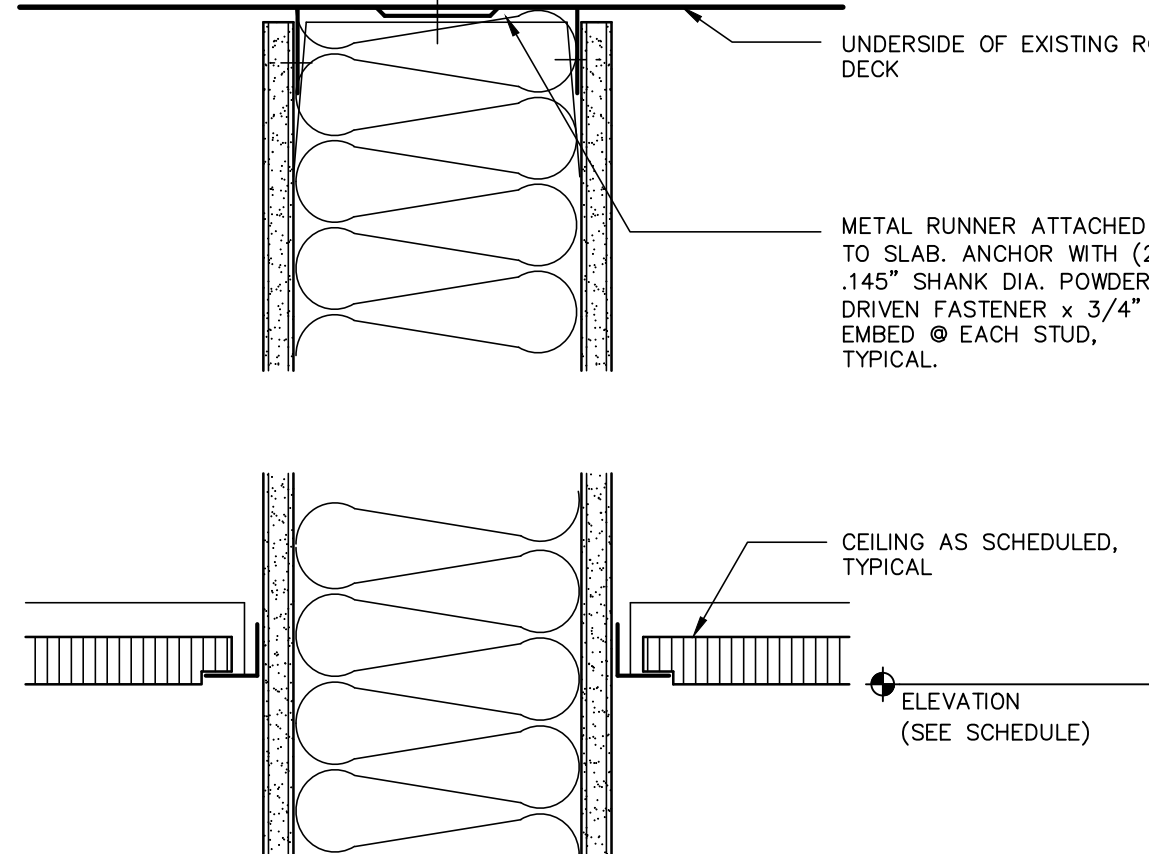


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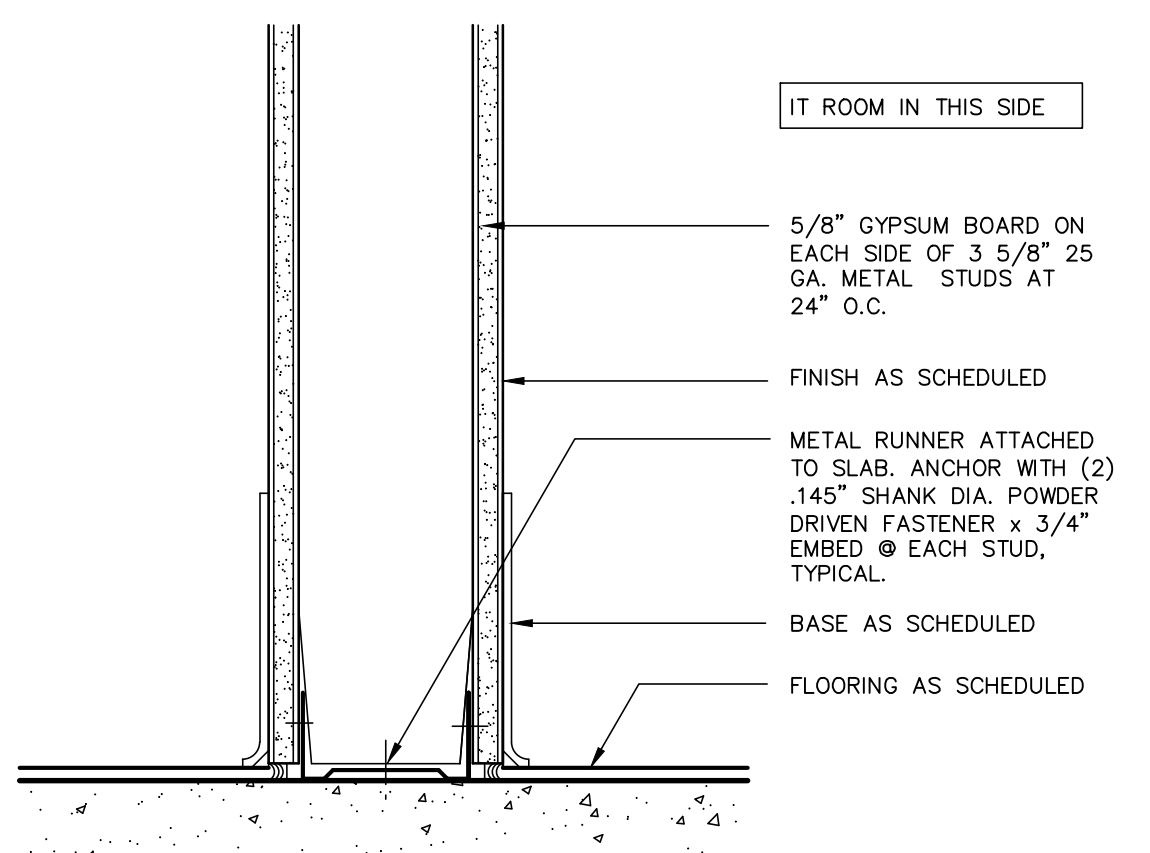
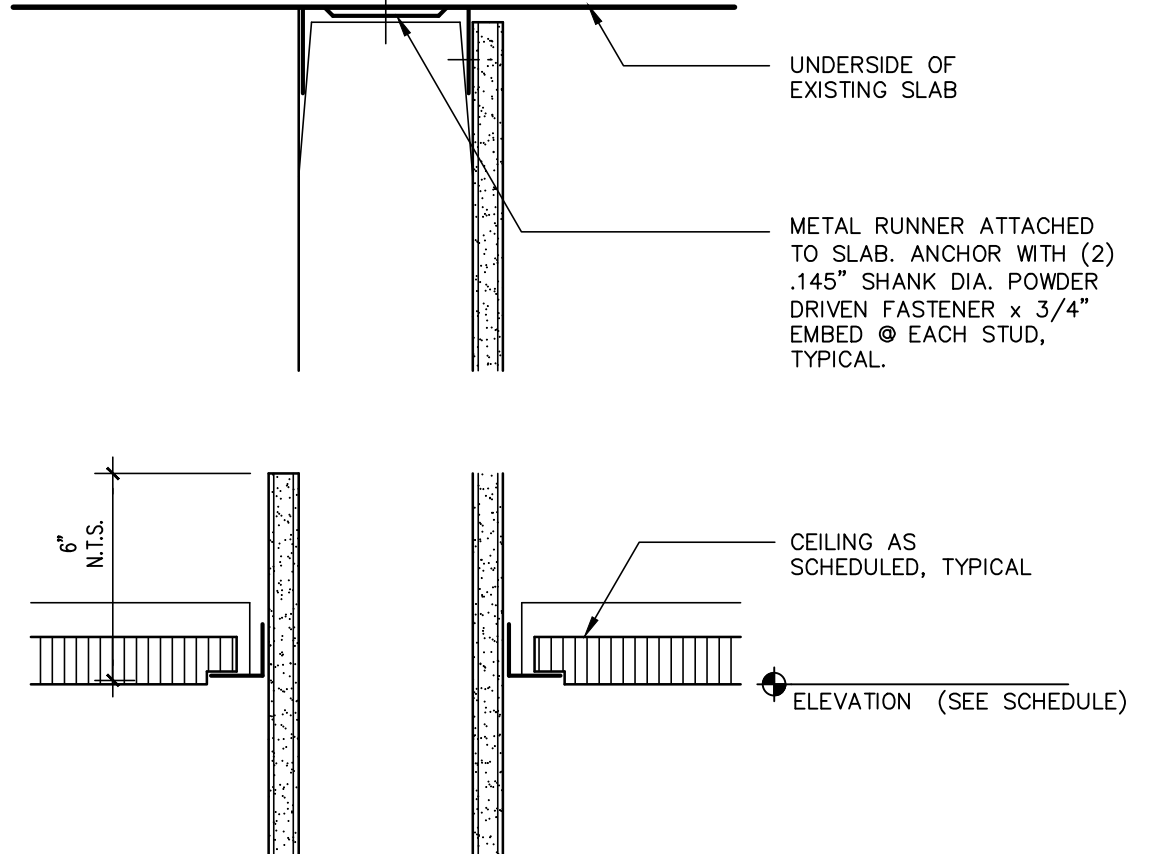
NOTE:
PROVIDE 6" PARTITION OF TYPE 'E' NEXT TO
THE SINKS AT RESTROOMS 239 AND 240 FOR
RELOCATING EXISTING VTR. REFER TO PLUMBING
DRAWINGS.



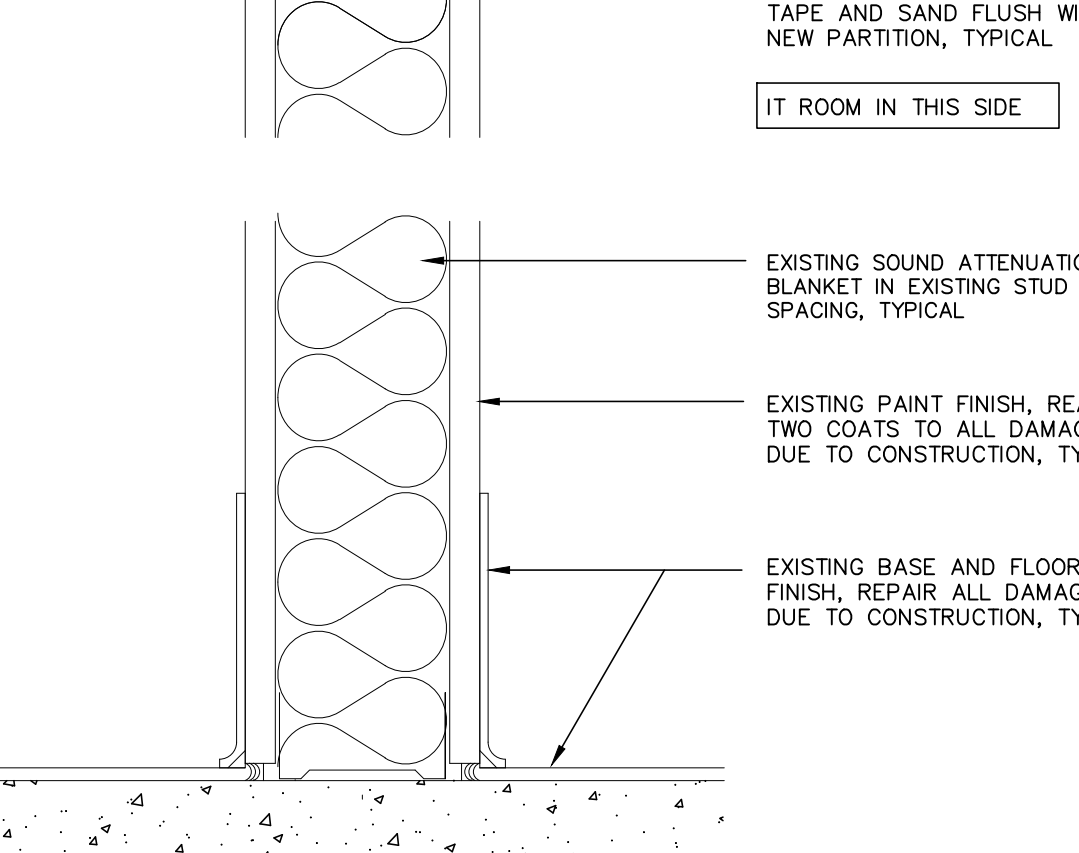
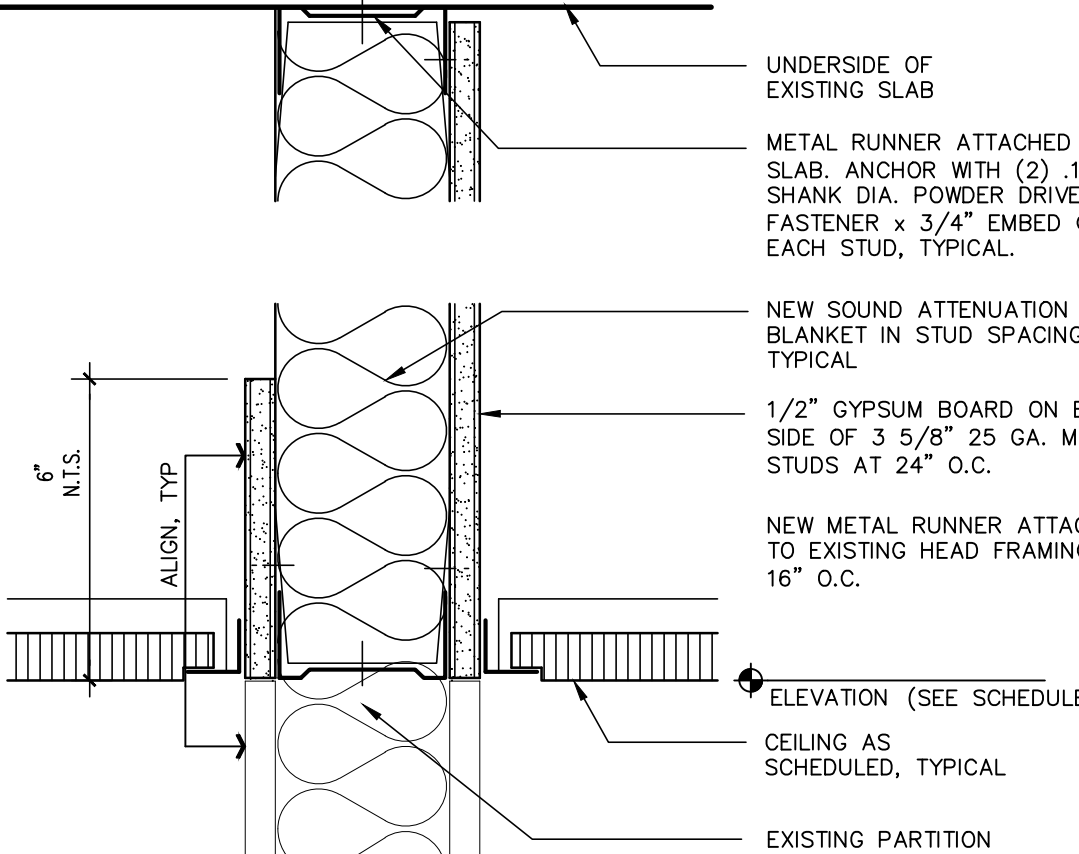
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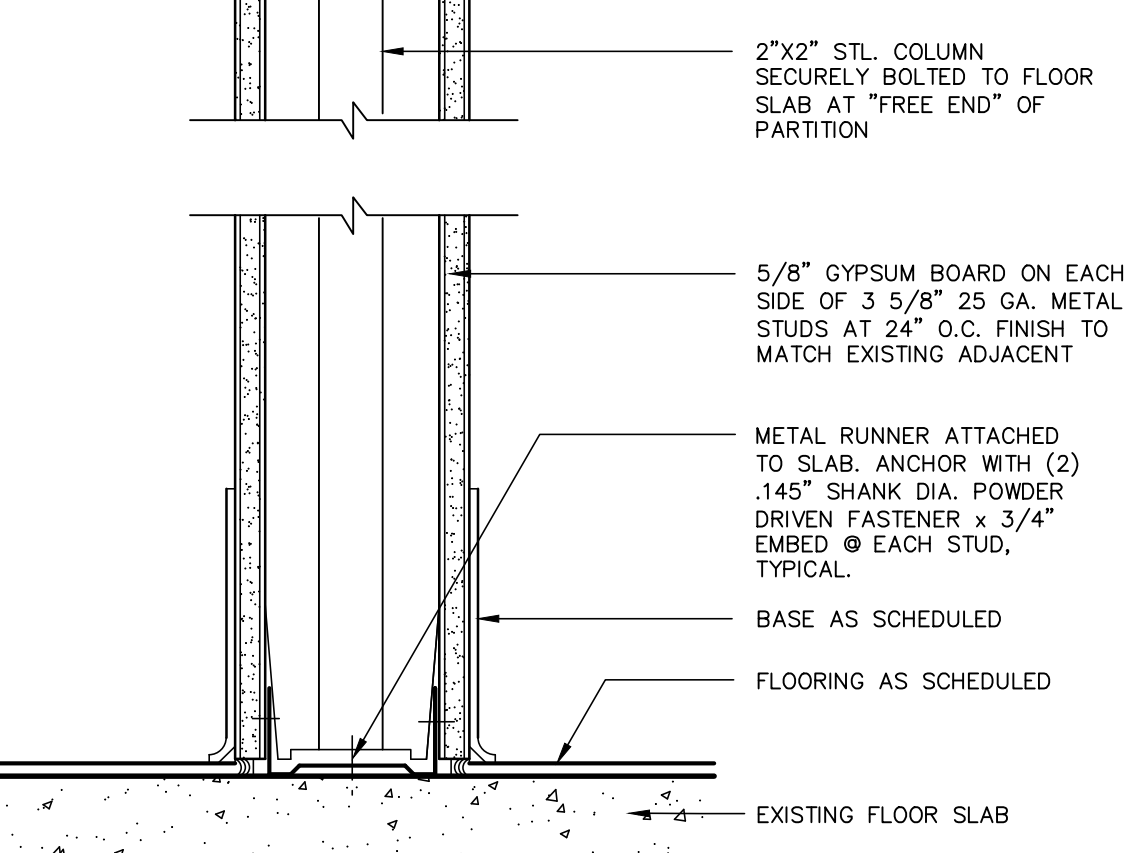
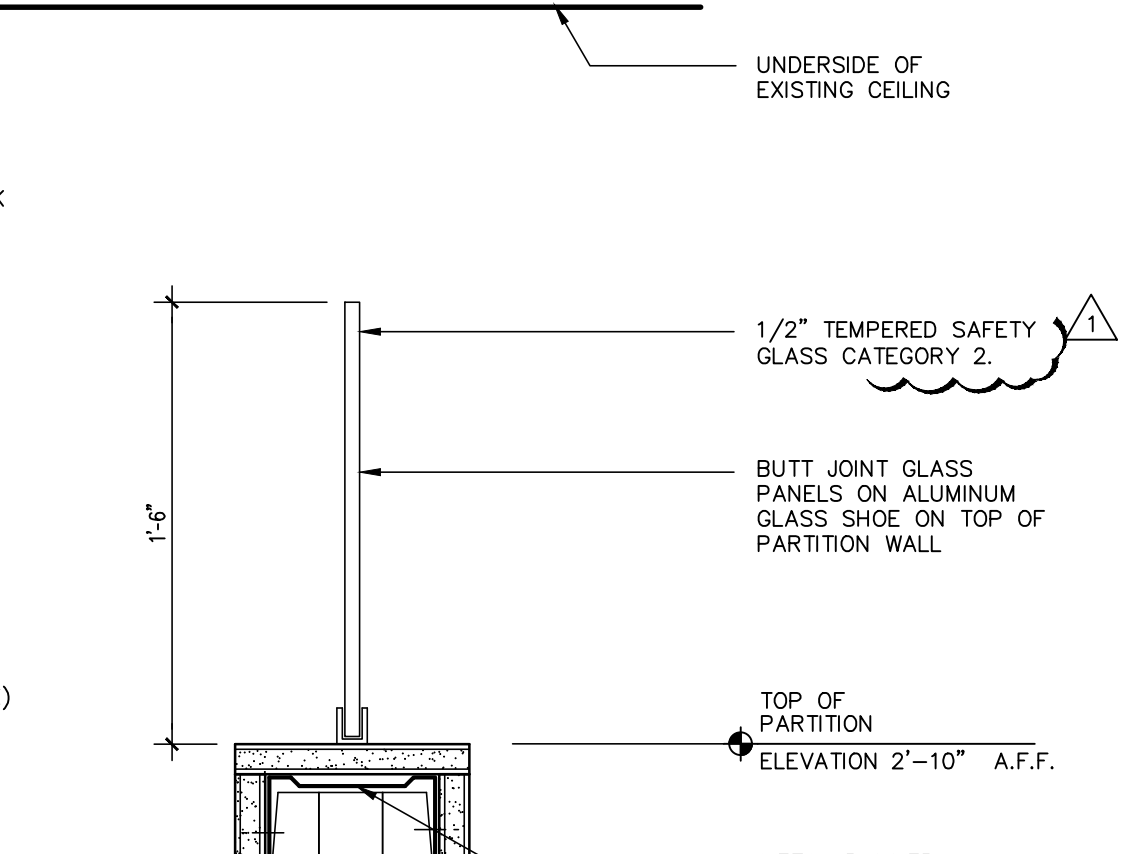
Partition Type 'G' 3"



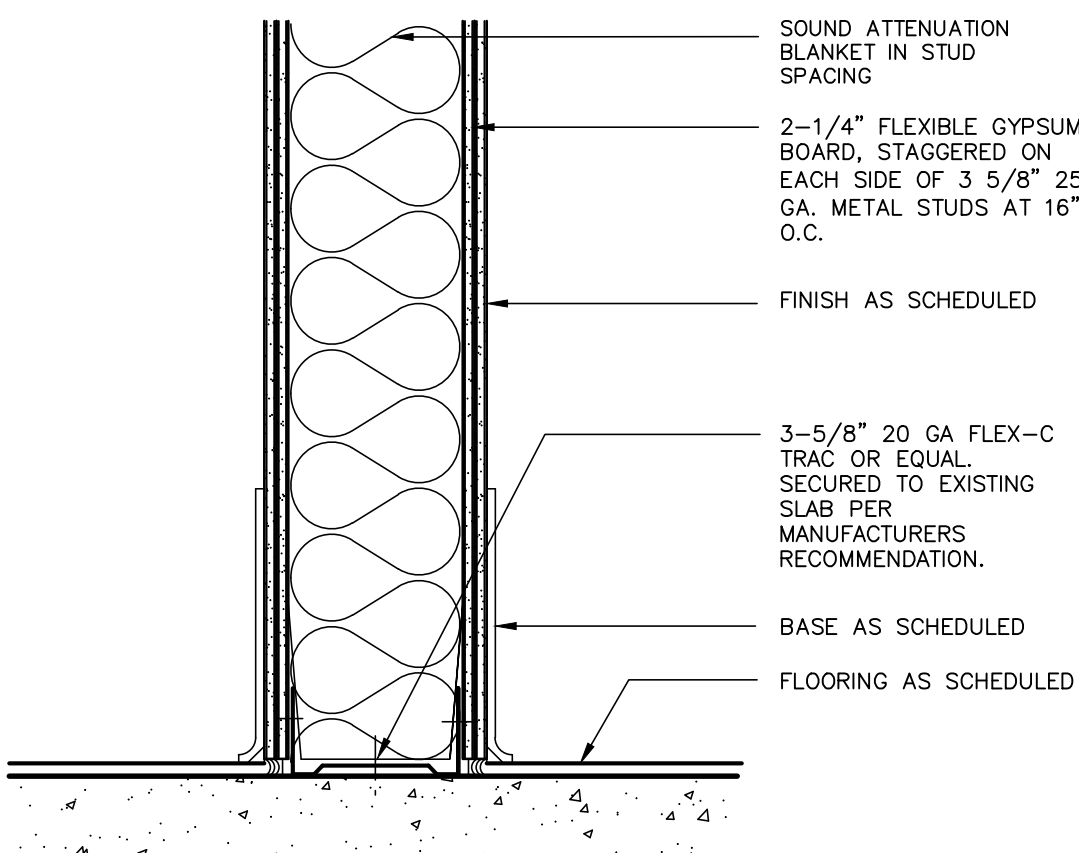
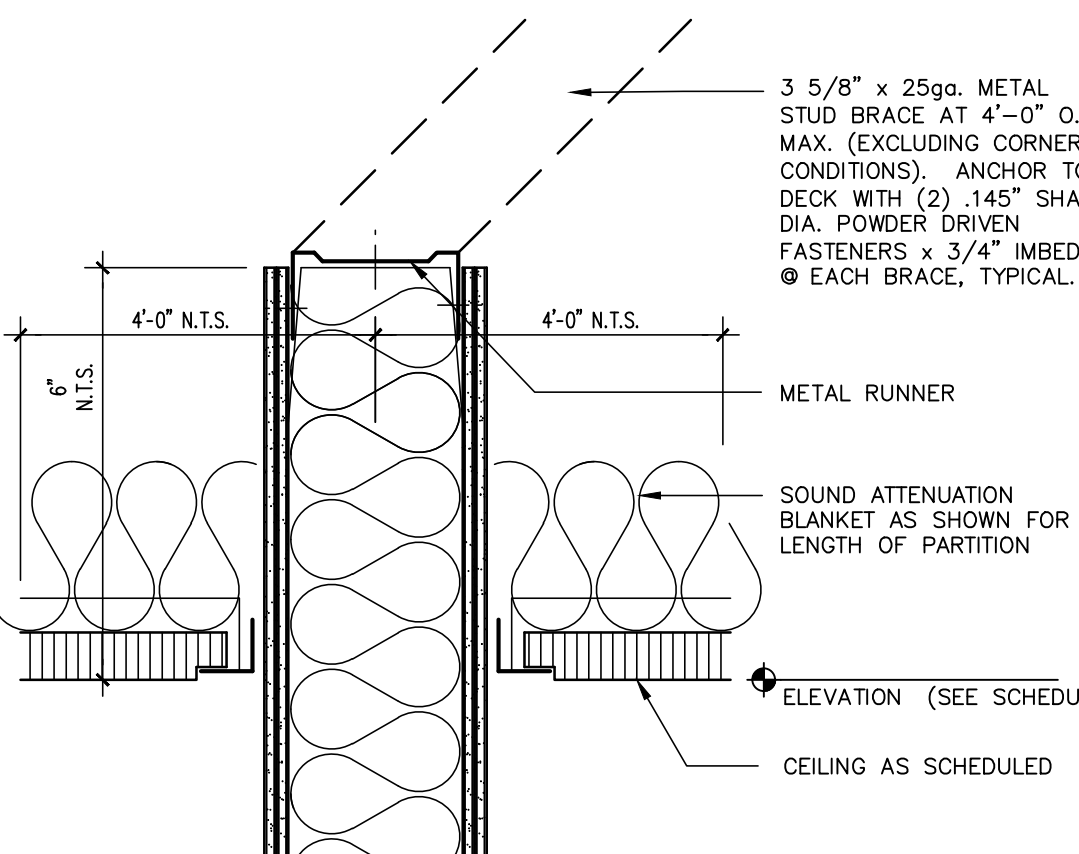
Partition Type 'H' 3"



Partition Type 'I' 3"

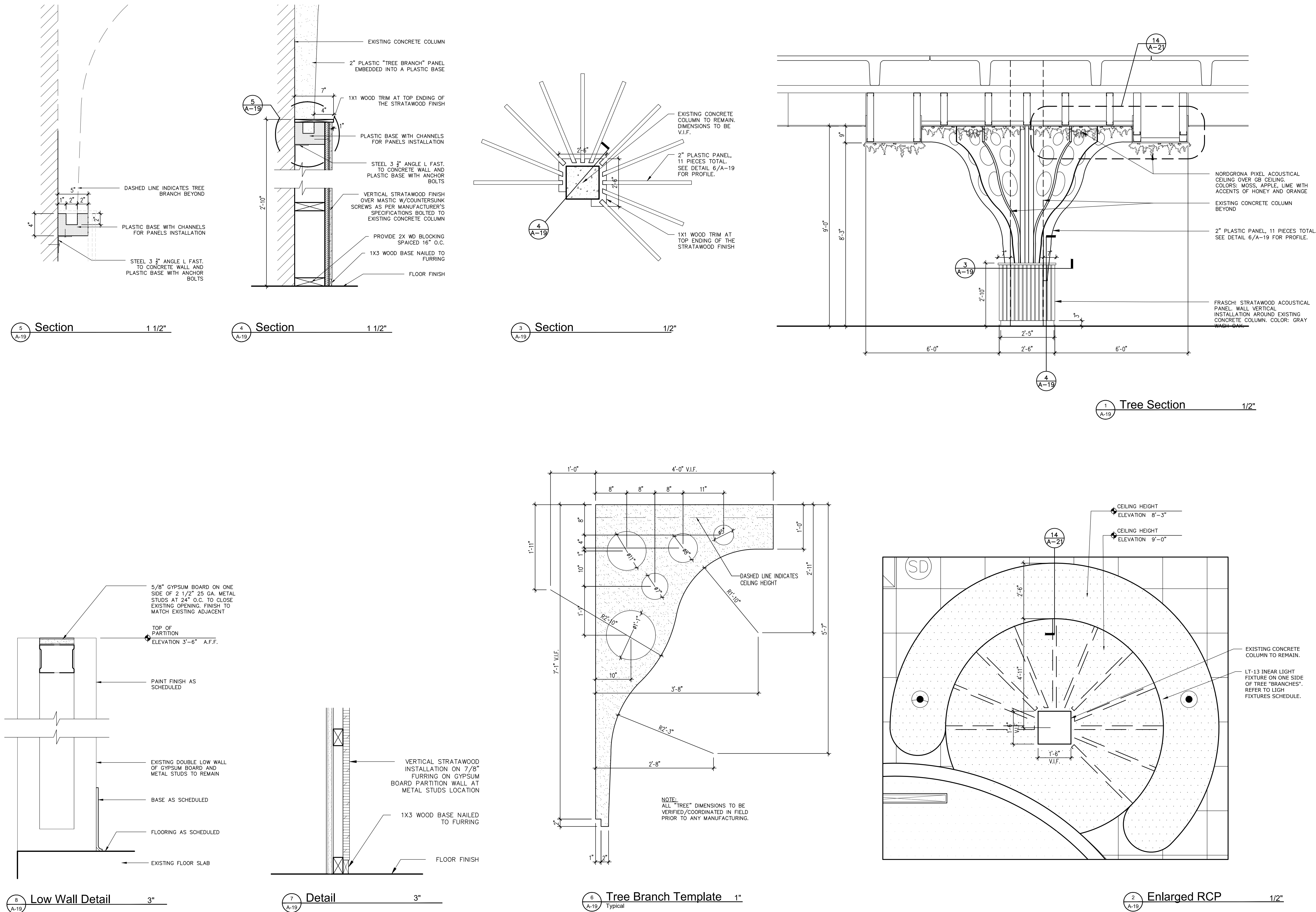


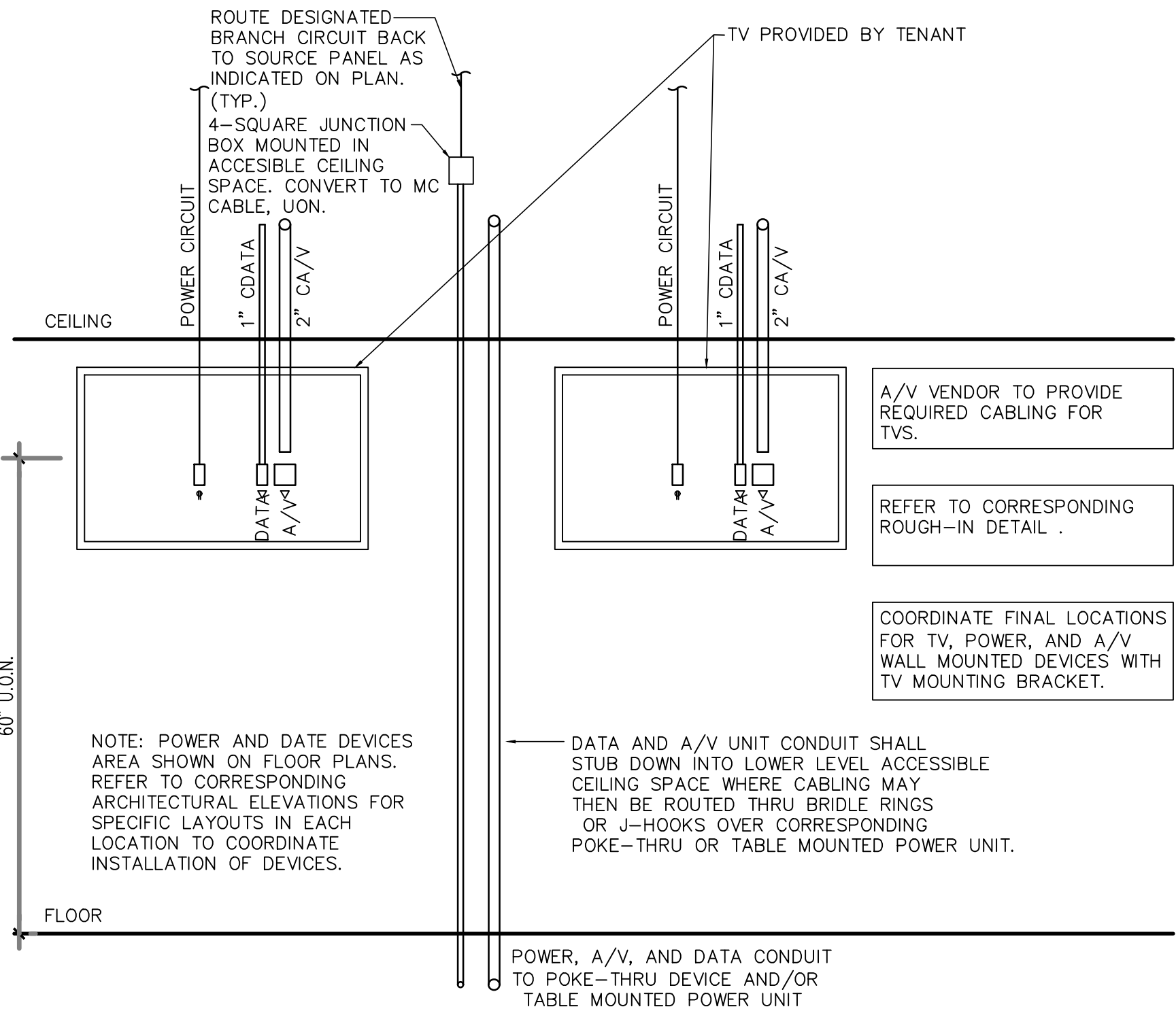
Partition Type 'J' 3"



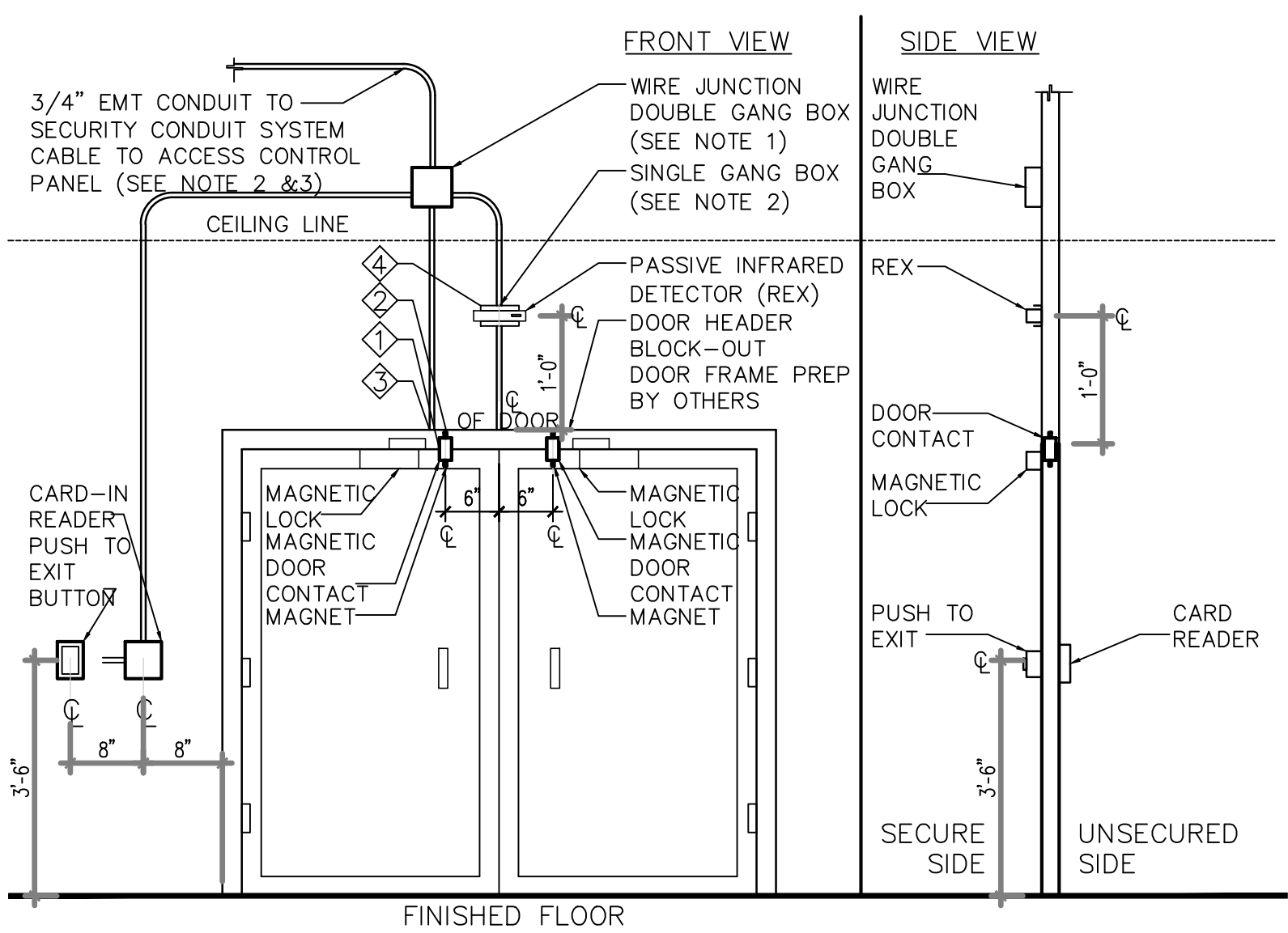
Partition Type 'K' 3"

*





4 Presentation Detail 1/2"



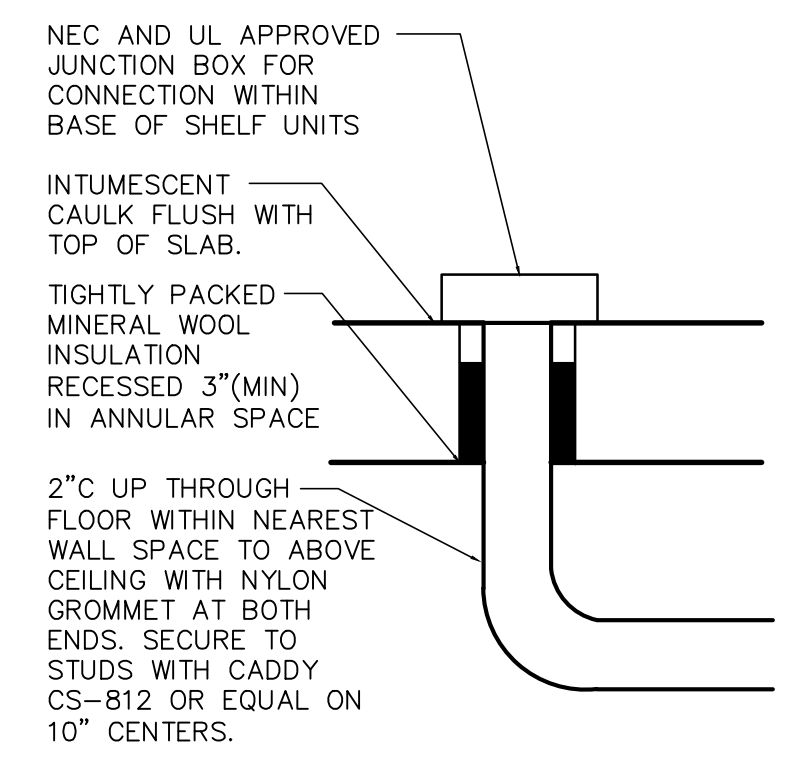
OPERATION:
ACCESS TO SECURED AREA IS ONLY POSSIBLE BY PRESENTING AUTHORIZED CARD TO CARD READER. APPROACHING OCCUPANT WILL AUTOMATICALLY UNLOCK THE DOOR IN THE DIRECTION OF EGRESS. IN ADDITION, A PUSH TO EXIT DEVICE, INSTALLED ON THE EGRESS SIDE, WHEN OPERATED WILL UNLOCK THE DOOR IN THE DIRECTION OF EGRESS FOR 30 SECONDS.

ACTIVATION OF THE BUILDING AUTOMATIC SPRINKLER OR FIRE DETECTION SYSTEM, IF PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOORS IN THE DIRECTION OF EGRESS AND THE DOORS SHALL REMAIN UNLOCKED UNTIL THE FIRE PROTECTIVE SIGNALING SYSTEM HAS BEEN MANUALLY RESET.

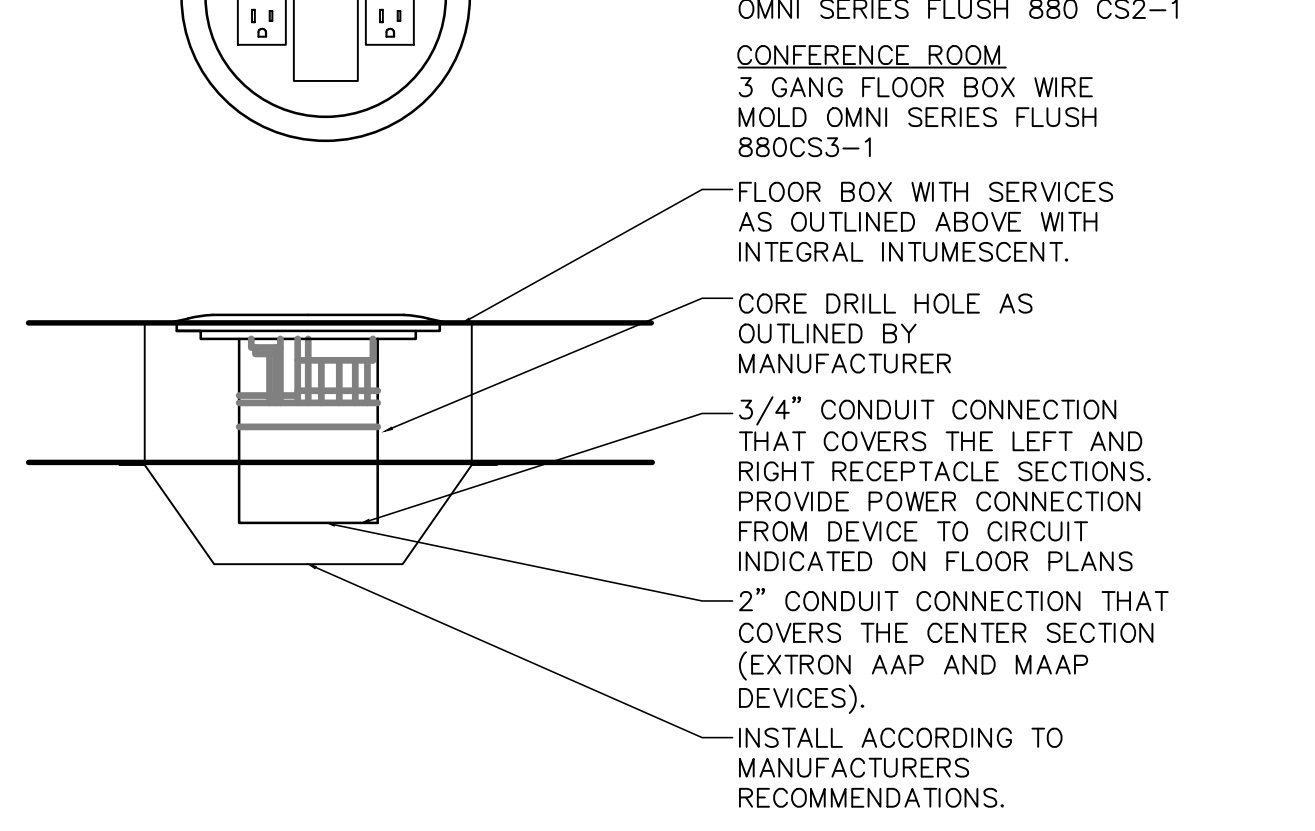
- | | |
|---|-----------------------------------|
| INSTALLATION: | EQUIPMENT: |
| 1 DRILL HOLE IN HEAD OF FRAME 6" FROM STRIKE SIDE OF FRAME FOR RECESSED DOOR CONTACT. | (2) RECESSED DOOR CONTACT |
| 2 ONE HOLE IN TOP OF DOOR FOR DOOR CONTACT. | (2) SETS OF MAGLOCKS |
| 3 STUB FLEX CONDUIT FROM JUNCTION BOX INTO DOOR CONTACT. | (1) REQUEST TO EXIT MOTION SENSOR |
| 4 SINGLE GANG BOX CONCEALED IN WALL FOR RTE MOTION SENSOR. | (1) PUSH TO EXIT BUTTON |
| | (1) CARD READER |

- | | |
|---|---|
| GENERAL NOTES: | NFPA COMPLIANCE: |
| 1. THE WIRE JUNCTION SHALL BE MOUNTED ABOVE THE DOOR THE ACCESSIBLE CEILING, WHERE APPLICABLE, ON THE SECURE SIDE AS SHOWN. | NFPA 101, SECTION: 7.2.1.6.2 SELF-CLOSING DEVICES |
| 2. PROVIDE SINGLE GANG ELECTRICAL BOX (HORIZONTALLY MOUNTED) FOR THE REX DEVICE MOUNTED ABOVE DOOR ON THE SECURE SIDE AS SHOWN. | CR, REX, DCx2, MLx2, PTE |
| 3. PROVIDE AS DOUBLE GANG ELECTRICAL BOXES WITH SINGLE GANG TRIM RING FOR READER MOUNTED ON THE UN-SECURE SIDE OF THE DOOR. | |
| 4. THE IDENTIFIED CONDUIT IS NOT REQUIRED AFTER IT EXTENDS ABOVE THE WALL AND ENTERS INTO A PLENUM SPACE. | |
| 5. ALL CONDUIT SHALL BE 3/4" UNLESS SPECIFIED OTHERWISE. ALL CONDUIT SHALL BE INSTALLED INSIDE OF WALL FLEXIBLE CONDUIT MAY BE USED IF NECESSARY. EACH CONDUIT RUN SHALL BE FURNISHED WITH A PULL STRING. | |

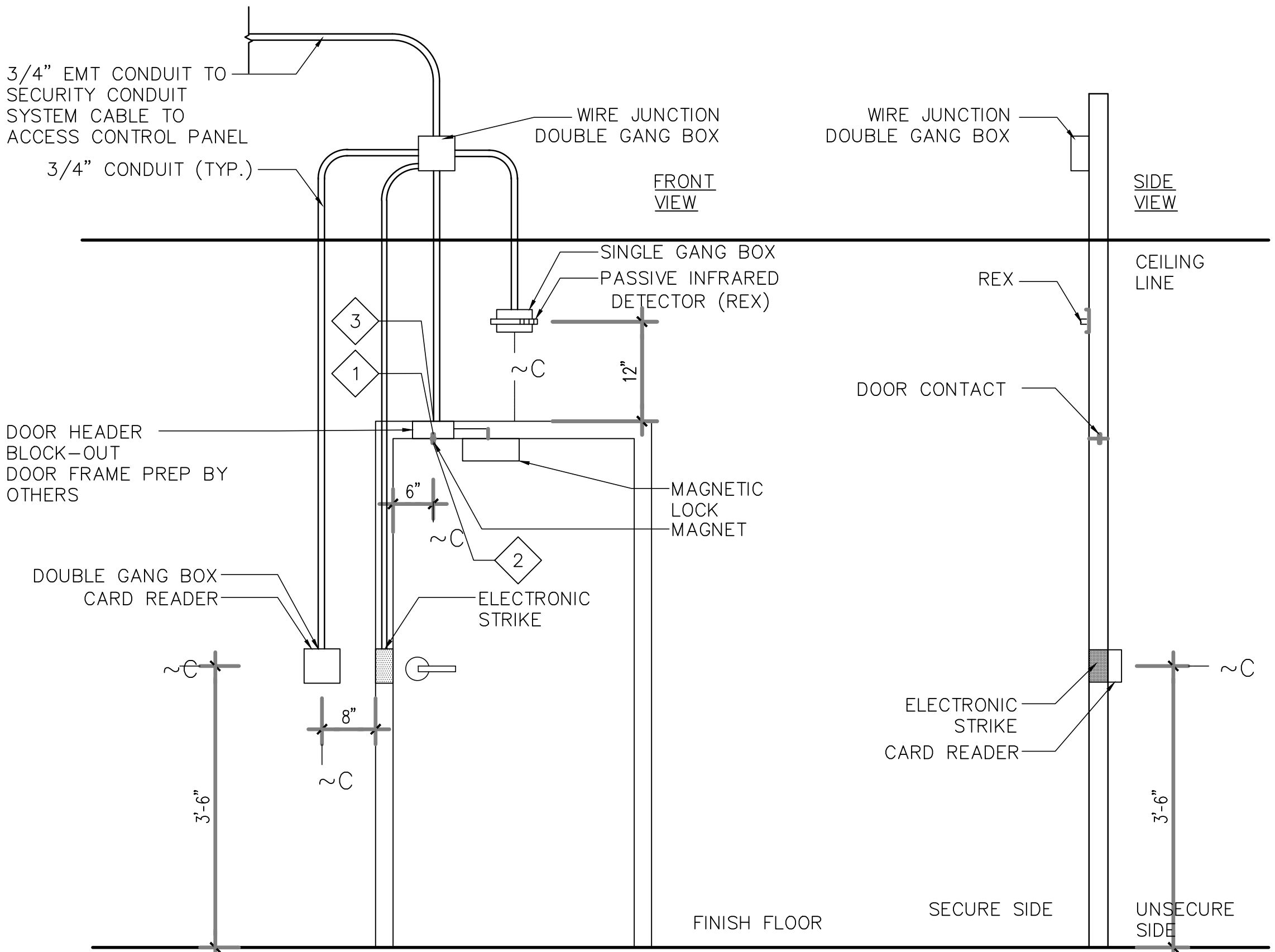
7 Double Door Detail 3/4"



3 Floor Power/Low Detail 1/2"



2 Floor Box Detail 1/2"



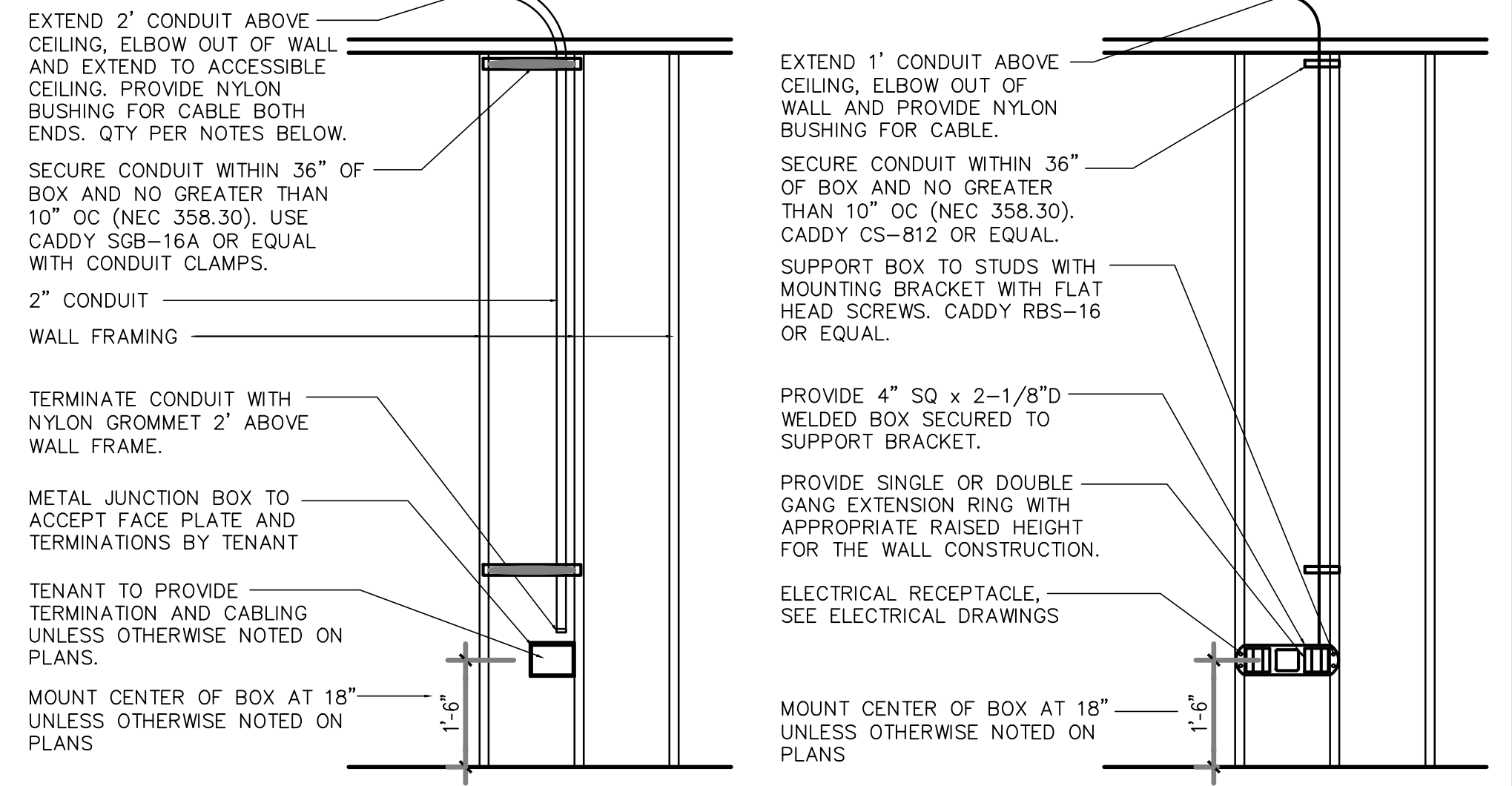
OPERATION
DOOR IS ALWAYS LOCKED FROM OUTSIDE, ACCESS TO SECURED AREA IS ONLY POSSIBLE BY PRESENTING AUTHORIZED CARD TO CARD READER OR BY USING BYPASS KEY. THIS DOOR IS ALWAYS UNLOCKED IN THE DIRECTION OF EGRESS. ACTIVATION OF INSIDE LOCK LEVER WILL ALLOW FREE EGRESS AT ALL TIMES. REX MOTION IS FOR SHUNTING OF DOOR ALARMS ONLY AND NOT CONTROLLING LOCKING/UNLOCKING OF ELECTRONIC LOCKING HARDWARE.

- | | |
|---|-----------------------------------|
| INSTALLATION | EQUIPMENT |
| 1 DRILL HOLE IN HEAD OF FRAME 6" FROM STRIKE SIDE OF FRAME FOR RECESSED DOOR CONTACT. | (1) RECESSED DOOR CONTACT |
| 2 DRILL HOLE IN TOP OF DOOR TO DOOR CONTACT. | (1) CARD READER |
| 3 STUB FLEX CONDUIT FROM JUNCTION BOX INTO DOOR CONTACT. | (1) MAGNETIC LOCK |
| | (1) REQUEST TO EXIT MOTION SENSOR |
| | (1) PUSH TO EXIT BUTTON |

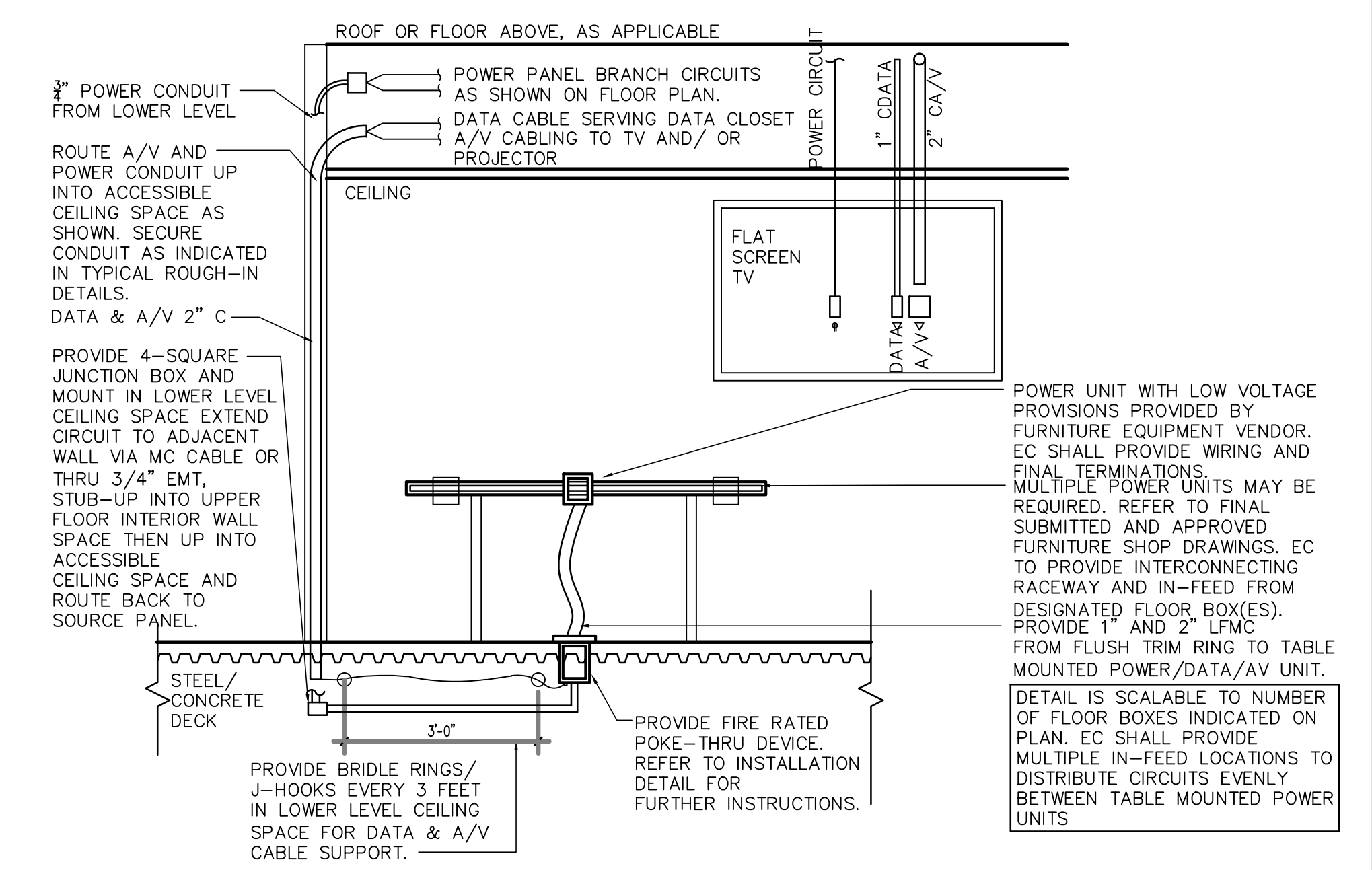
GENERAL NOTES

REX, DC, ML, CR, PTE

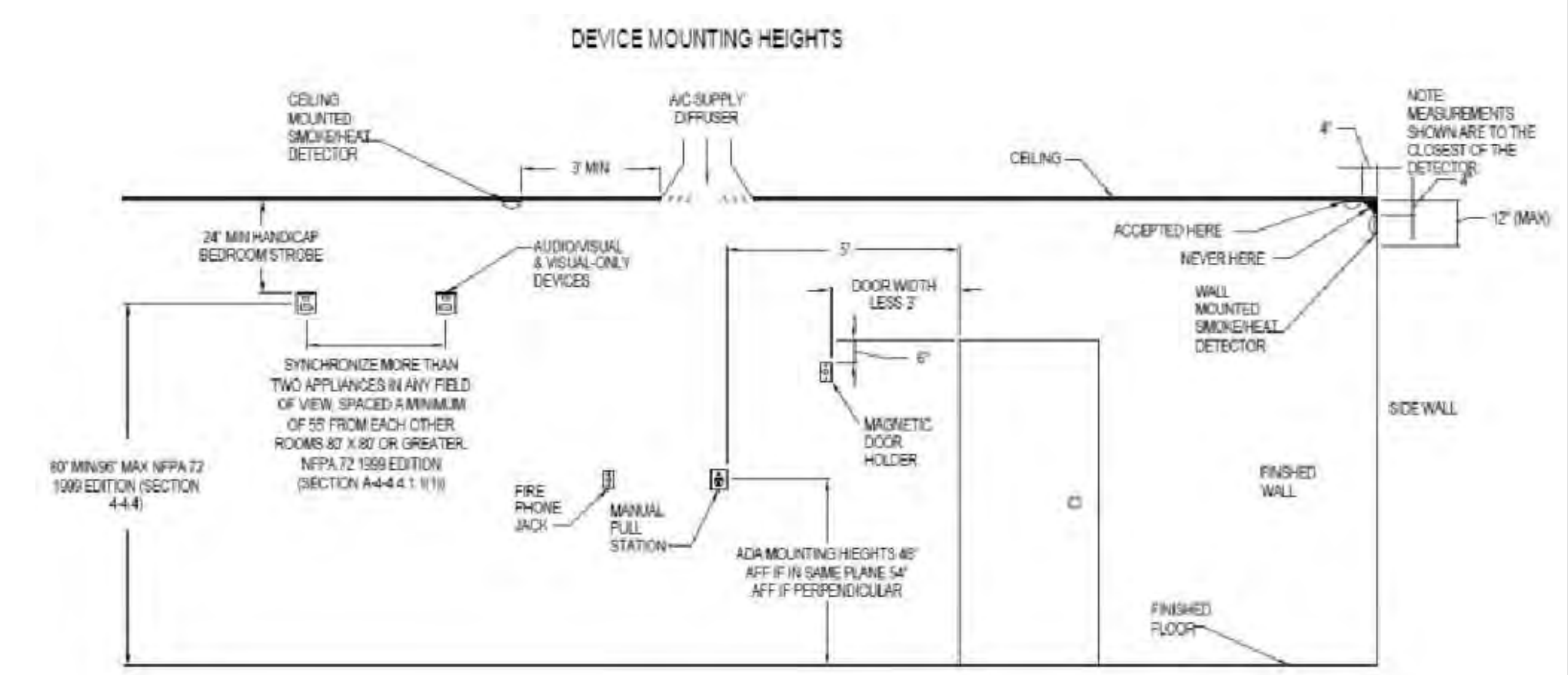
6 Single Door Detail 3/4"



1 Low Voltage Rough-In Details 1/2"



5 Table Installation Diagram 1/2"



8 Fire Alarm Elevation NTS"

FORBES ARCHITECTS

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AR0009810

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Cutler Bay, FL 33189

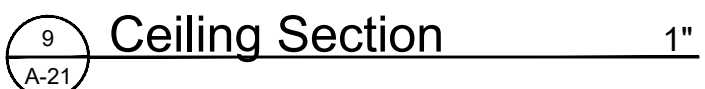
Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

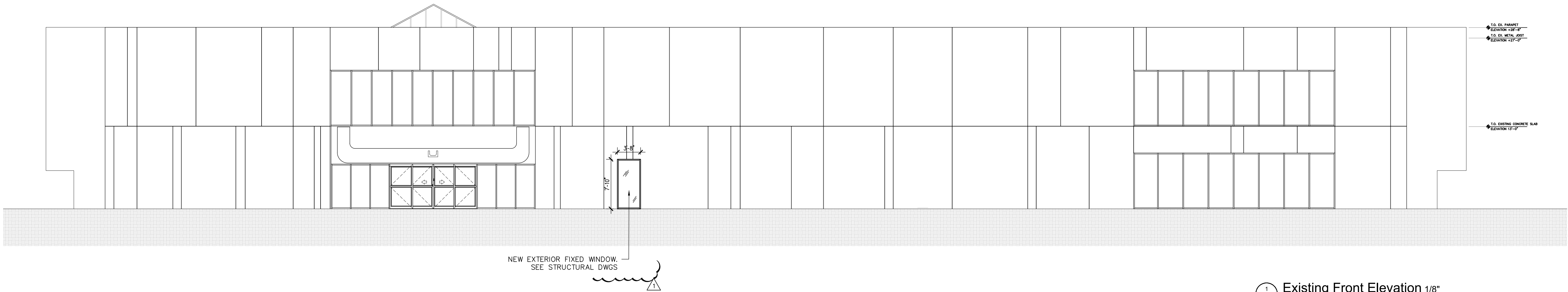
Owner:

Date
05-22-23
Commission
20026

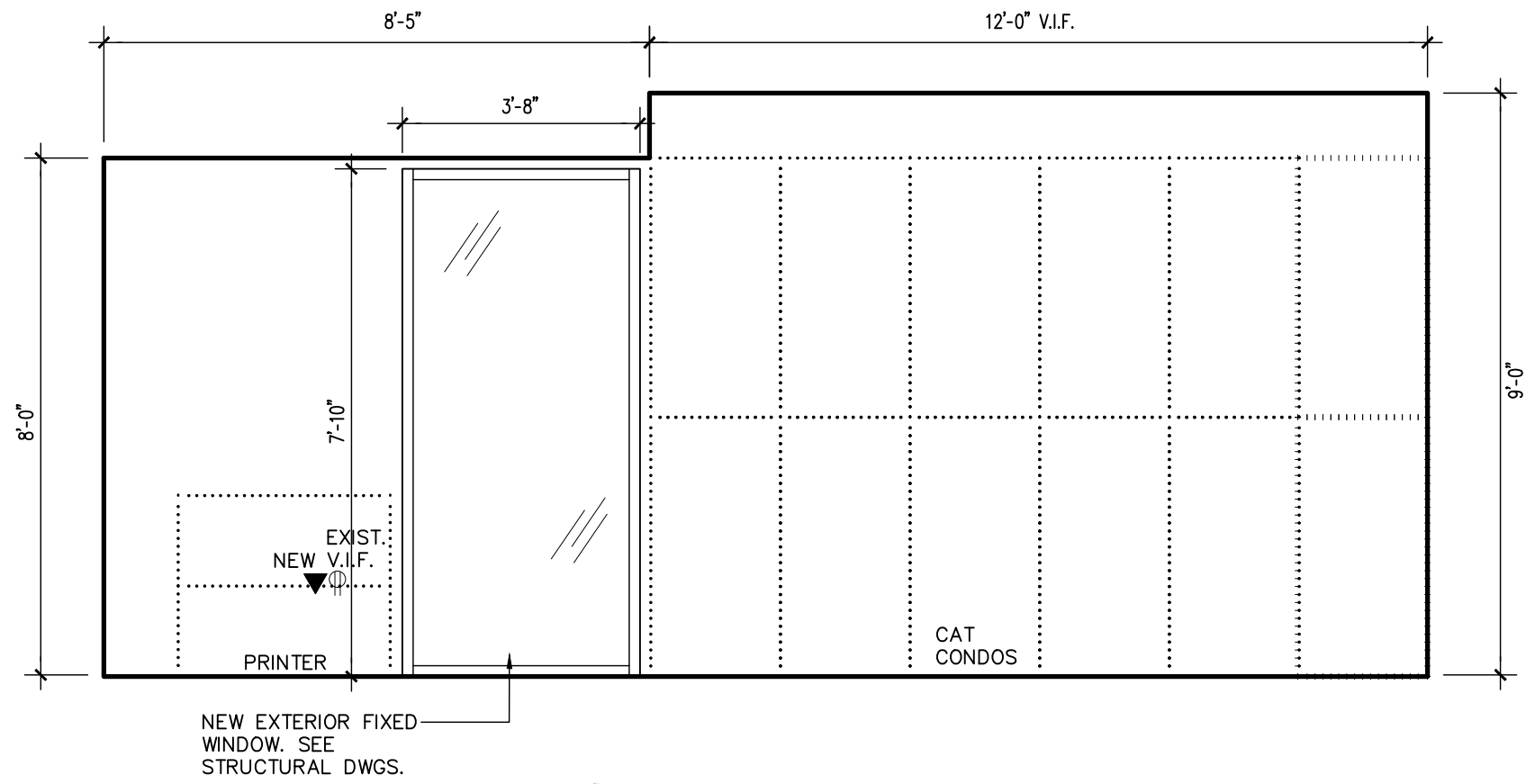
Revisions
11-x-2024

Sheet
A-20
of





1 Existing Front Elevation 1/8"



2 Catio Interior Elevation 3/8"

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	DUPLEX GROUNDING RECEPTACLE, WALL MOUNTED +18" A.F.F., 125v., 15A. NEMA 5-15R UNLESS OTHERWISE NOTED.
	DUPLEX GROUNDING RECEPTACLE. GROUND FAULT INTERRUPTER, MTD @ 36" A.F.F. UNLESS OTHERWISE NOTED.
	SINGLE GROUNDING RECEPTACLE, 125V., 20A., +18" A.F.F. NEMA 5-20R, UNLESS OTHERWISE NOTED.
	RECESSED FLOOR BOX WITH DUPLEX RECEPTACLE.
	RECESSED FLOOR BOX WITH QUAD RECEPTACLE.
	QUAD GROUNDING RECEPTACLE, WALL MOUNTED +18" A.F.F., 125v., 15A. NEMA 5-15R UNLESS OTHERWISE NOTED.
	DEDICATED QUAD GROUNDING RECEPTACLE, WALL MOUNTED +18" A.F.F., 125v., 15A. NEMA 5-15R UNLESS OTHERWISE NOTED.
	RECESSED FLOOR BOX WITH DUPLEX AND TELECOM RECEPTACLE.
	RECESSED FLOOR BOX WITH QUAD AND TELECOM RECEPTACLE.
	2 POLE + GROUND, 3 WIRE, 208 V, 20 AMPS WALL MOUNTED RECEPTACLE OUTLET, WALL MOUNTED +18" A.F.F. UNLESS OTHERWISE NOTED.
	SPECIAL PURPOSE RECEPTACLE, COORDINATE WITH TENANT.
	EXISTING TELECOM BOX.
	TELECOM ON EXISTING WALL/PARTITION. PROVIDE CUT-IN BOX, NO CONDUIT. FACE PLATES JACKS AND CABLING TO BE PROVIDED BY TENANT.
	TELECOM BOX WITH 3/4" CONDUIT EXTENDED 6" ABOVE ADJACENT CEILING. FACE PLATES, JACKS AND CABLING TO BE BY TENANT.
	RECESSED FLOOR BOX WITH TELECOM RECEPTACLE.
	TELEVISION CABLE/SATELLITE CONNECTION. EXTEND 3/4" CONDUIT TO ABOVE CEILING.
	DUPLEX GROUNDING RECEPTACLE WITH ONE SIDE SWITCHED, MTD @ 18" A.F.F.
	DISCONNECT SWITCH OR CIRCUIT BREAKER
	THERMOSTAT, +48" A.F.F. EXACT LOCATION SHALL BE VERIFIED IN FIELD. COORDINATE WITH MECH. CONTRACTOR.
	120/208 VOLTS LIGHTING AND/OR POWER PANEL (SEE PANEL SCHEDULE).
	OUTLET FOR EXHAUST FAN (FRACTIONAL HORSEPOWER). PROVIDE CONNECTION AS REQUIRED.
	PUSH-BUTTON SWITCH +48" A.F.F.
	ELECTRIC JUNCTION BOX, 4 INCHES SQUARE WITH BLANK COVER.
	ELECTRIC JUNCTION BOX WALL MOUNTED AT 18" AFF U.O.N.
	TELECOM JUNCTION BOX WALL MOUNTED AT 18" AFF U.O.N.
	TELECOM JUNCTION BOX ABOVE CEILING.
	ELECTRIC JUNCTION BOX AT 6" AFF TO FEED WORKSTATION. EXTEND 3/4" CONDUIT TO ABOVE CEILING. TENANT TO PROVIDE CONNECTION TO THEIR OFFICE FURNITURE SYSTEM
	ELECTRICAL JUNCTION ABOVE CEILING.
	RECESSED FLOOR BOX WITH ELECTRIC JUNCTION BOX.
	POWER POLE
	OCCUPANCY SENSOR
	FIRE DAMPER
	CONTROL DAMPER
	CONTROLLED OUTLET AS PER FBC C405.7 AND ASHRAE 90.1.8.2. CONTROLLED OUTLETS SHALL BE BE MARKED WITH THIS SYMBOL TO IDENTIFY IT AS CONTROLLED.
	UNIVERSAL SERIAL BUS
	GROUND FAULT CIRCUIT INTERRUPTER
	DAMP LOCATION / WET LOCATION
	INDICATES WEATHERPROOF ENCLOSURE.
	INDICATES AMPERES INTERRUPTING CAPACITY SYMMETRICAL.
	INDICATES ELECTRIC WATER COOLER.
	REVISION #1. WHEN APPLICABLE.
	SINGLE POLE TOGGLE SWITCH 'o' = SWITCH LEG, MTD @ 48" A.F.F.
	SINGLE POLE TOGGLE SWITCH '3' = THREE WAY, '4' = FOUR WAY, MTD @ 48" A.F.F.
	DIMMER SWITCH, RATING PER LIGHTING LOAD REQUIREMENT, MTD @ 48" A.F.F.
	SWITCH WITH MOTION SENSOR.
	OUTLET FOR CEILING OR WALL MOUNTED EXIT FIXTURE, DARK AREA INDICATES FACE OF FIXTURE.
	EMERGENCY BATTERY TYPE LIGHT FIXTURE.
	EXIT SIGN WITH BATTERY BACK UP.
	NOTE: ALL ITEMS AND SYSTEMS ARE NEW EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE OR ASSOCIATED WITH THE FOLLOWING NOMENCLATURE:
	DENOTES EXISTING TO REMAIN
	DENOTES RELOCATED ITEM.
	DENOTES EXISTING TO BE REPLACED IN SAME LOCATION.

NOTE: NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECESSARILY REFLECTED ON PLANS.

SCOPE OF WORK

- 1.- EXISTING MECHANICAL SYSTEM TO REMAIN. ALL POWER WIRING, DISCONNECTS, CONDUITS, JUNCTION BOXES ETC RELATED TO MECHANICAL COMPONENTS ARE TO REMAIN.
- 2.- EXISTING ELECTRIC WATER HEATER TO BE REPLACED. NEW WIRING, DISCONNECT AND CONDUIT WILL BE PROVIDED REUSING EXISTING CIRCUIT.
- 3.- ALL ELECTRICAL COMPONENTS WILL BE NEW EXCEPT THOSE MARKED AS EXISTING "E", RELOCATED "R" OR REPLACED "RP". ELECTRICAL CIRCUITS WILL BE RE-USED FOLLOWING NEW DESIGN.

NOTE:

THE APPLIABLE CODES FOR THIS PROJECT ARE THE 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION, SIXTH ED. AND THE 2017 NATIONAL ELECTRICAL CODE.

SOUTH DADE REGIONAL LIBRARY											
CUTLER BAY, FL											
LIGHTING FIXTURE SCHEDULE											
TYPE	PHOTO/LINK	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	COLOR TEMP	WATTS	FINISH	DIMMING	MOUNTING	NOTES
L1		CRUZE SB 2x4 VOLUMETRIC TROFFER	METALUX	24CZLD5-35-UNV-L835-CD1-U4A3B-418GDM	120-277	3500K	27	WHITE	0-10V	RECESSED	
L1E		CRUZE SB 2x4 VOLUMETRIC TROFFER W/ BATTERY PACK	METALUX	24CZLD5-35-UNV-EL7W-L835-CD1-U4A3B-418GDM	120-277	3500K	27	WHITE	0-10V	RECESSED	
L2		CRUZE SB 2x4 VOLUMETRIC TROFFER	METALUX	22CZLD5-34-UNV-L835-CD1-U4A3B-418GDM	120-277	3500K	24.3	WHITE	0-10V	RECESSED	
L2E		CRUZE SB 2x4 VOLUMETRIC TROFFER W/ BATTERY PACK	METALUX	22CZLD5-34-UNV-L835-CD1-U4A3B-418GDM	120-277	3500K	24.3	WHITE	0-10V	RECESSED	
L3		4" RECESSED DOWNLIGHT	HALO COMMERCIAL	HC415D010 HM40525835 41MDWHF	120-277	3500K	14.5	HAZE/WHITE	0-10V	RECESSED	
L3E		4" RECESSED DOWNLIGHT W/ BATTERY	HALO COMMERCIAL	HC415D010EM7 HM40525835 41MDWHFEM	120-277	3500K	14.5	HAZE/WHITE	0-10V	RECESSED	
L3A		4" RECESSED ADJUSTABLE DOWNLIGHT	PORTFOLIO	LDA3B10R40-90-35-D010 E3AAHSFVWF HB26	120-277	3500K	14.5	HAZE/WHITE	0-10V	RECESSED	
L3AE		4" RECESSED ADJUSTABLE DOWNLIGHT W/ BATTERY	PORTFOLIO	LDA3B10R40-90-35-D010EM7-E3AAHSFVWF HB26	120-277	3500K	14.5	HAZE/WHITE	0-10V	RECESSED	
L4		2" ROUND SURFACE LED	LUMENWERX	PCROS-24-ULO-SW-80-3500-35-UNV-D1-1-SUR-W	120-277	3500K	34.5	WHITE	0-10V	SURFACE	
L4E		2" ROUND SURFACE LED W/ BATTERY	LUMENWERX	PCROS-24-ULO-FH-SW-80-3500-35-UNV-D1-1EB-SUR-W	120-277	3500K	34.5	WHITE	0-10V	SURFACE	
L5		4" ROUND SURFACE LED	LUMENWERX	PCROS-48-ULO-FH-SW-80-3500-35-UNV-D1-1-SUR-W	120-277	3500K	61.8	WHITE	0-10V	SURFACE	
L5E		4" ROUND SURFACE LED W/ BATTERY	LUMENWERX	PCROS-48-ULO-FH-SW-80-3500-35-UNV-D1-1EB-SUR-W	120-277	3500K	61.8	WHITE	0-10V	SURFACE	
L6		4" ROUND PENDANT LED	LUMENWERX	PCROPD-48-ULO-FH-SW-80-7000-35-UNV-D1-1-SWAC36-WPC-W	120-277	3500K	68	WHITE	0-10V	PENDANT	
L6E		4" ROUND PENDANT LED W/ BATTERY	LUMENWERX	PCROPD-48-ULO-FH-SW-80-7000-35-UNV-D1-1EB-SWAC36-WPC-W	120-277	3500K	68	WHITE	0-10V	PENDANT	
L7		1X4 STRP LIGHT	METALUX	4SNLED-LD5-44HL-LW-UNV-L835-CD1-U	120-277	3500K	37	WHITE	0-10V	SURFACE	
L7E		1X4 STRP LIGHT W/ BATTERY	METALUX	4SNLED-LD5-44HL-LW-UNV-EL14W-L835-CD1-U	120-277	3500K	37	WHITE	0-10V	SURFACE	
L8		POP COLOR ROUND 24	LUMENWERX	PCROS24ULQZRSW904500-35-UNV-D1-1-SUR-W	120-277	3500K	46W	WHITE/BLACK	ELV	SURFACE	
L8E		POP COLOR ROUND 24 W/ BATTERY	LUMENWERX	PCROS24ULQZRSW904500-35-UNV-D1-1EB-SUR-W	120-277	3500K	46W	WHITE/BLACK	ELV	SURFACE	
L9		COVO COVE LIGHT	JO	C80SL-8SCT-120-4D-UNV-W-SA-STD1F CS-10V-STD	120-277	3500K	6.2W PER FOOT	WHITE	0-10V	COVE	
L9-1		AL COVE DMX COVE LIGHT	ACCLAIM	ACA-242-1AAHN	120-277	4 CHANNEL RGBW 3000K	10 PER FOOT	GRAY	DMX	COVE	
L10		4" CURVA RING DIRECT LIGHT	LUMENWERX	CUVARP-D-4-HLO-NA-SW-90-500-NA-35-UNV-D1-1-C-WAC36-WPC-W	120-277	3500K	50.7	WHITE	0-10V	PENDANT	
L11-3		6" DIAMETER TANGENT-UPDOWN RING	VOKSLYTE	TANJULED-PC-9-42-3-53K-35K-HO-W-UNV	120-277	3500K	228	WHITE	0-10V	PENDANT	
L11-4		8" DIAMETER TANGENT-UPDOWN RING	VOKSLYTE	TANJULED-PC-12-57-4-35K-35K-HO-W-UNV	120-277	3500K	302	WHITE	0-10V	PENDANT	
L11-6		12" DIAMETER TANGENT-UPDOWN RING	VOKSLYTE	TANJULED-PC-18-85-6-35K-35K-HO-W-UNV	120-277	3500K	444	WHITE	0-10V	PENDANT	
L12-1		HELENA PENDANT	KUZCO	PD9117-WHGGD	120	3000K	38	WHITE/GOLD	ELV	PENDANT	
L12-2		HELENA PENDANT	KUZCO	PD9117-WHHSV	120	3000K	38	WHITE/SILVER	ELV	PENDANT	
L12-3		HELENA PENDANT	KUZCO	PD9117-WHBU	120	3000K	38	WHITE/BLUE	ELV	PENDANT	
L13-2		VIA 1.5 RECESSED TRIMLESS DIRECT (2 FOOT)	LUMENWERX	VIA1-SR-D-HLO-FH-LED-QUADRO-9W-2FT-277-D1-1C-DTL-W	277	4 CHANNEL RGBW 3500K	18	WHITE	DMX	RECESSED	
L13-3		VIA 1.5 RECESSED TRIMLESS DIRECT (3 FOOT)	LUMENWERX	VIA1-SR-D-HLO-FH-LED-QUADRO-9W-3FT-277-D1-1C-DTL-W	277	4 CHANNEL RGBW 3500K	27	WHITE	DMX	RECESSED	
L13-4		VIA 1.5 RECESSED TRIMLESS DIRECT (4 FOOT)	LUMENWERX	VIA1-SR-D-HLO-FH-LED-QUADRO-9W-4FT-277-D1-1C-DTL-W	277	4 CHANNEL RGBW 3500K	36	WHITE	DMX	RECESSED	
L13-4E		VIA 1.5 RECESSED TRIMLESS DIRECT (4 FOOT) ON INVERTER TYPE INV2	LUMENWERX	VIA1-SR-D-HLO-FH-LED-QUADRO-9W-4FT-277-D1-1C-DTL-W	277	4 CHANNEL RGBW 3500K	36	WHITE	DMX	RECESSED	CONNECTED TO TYPE INV2
L14		AERA 2 DOWNLIGHT FOR ELEVATOR THRESHOLDS	LUMENWERX	AE2RR-TRM-SW-OF-ASB-UNV-10W-D1 AE2RRB-SW-25-240-35LS-TRM-SDL-TMW-TMW-NA	120-277	3500K	10	WHITE	0-10V	RECESSED	
L15		EDGE LIT EXIT SIGN W/ BATTERY	ISOLITE	UEL-EM-G-1C2M-MTEBR	120-277	GREEN LED	3	GREEN	NA	UNIVERSAL	
L16		ELIA ROUND PENDANT	LUMENWERX	ELRPP-24-ULO-SW-90-24-5000-35-UNV-D1-1C-WH-WAC-SC-48-W	120-277	3500K	61.7	WHITE	0-10V	PENDANT	
L16E		ELIA ROUND PENDANT ON INVERT TYPE INV1	LUMENWERX	ELRPP-24-ULO-SW-90-24-5000-35-UNV-D1-1C-WH-WAC-SC-48-W	120-277	3500K	61.7	WHITE	0-10V	PENDANT	CONNECTED TO TYPE INV1
INV1		250W PURE SINE WAVE MINI INVERTER	ISOLITE	EMIN-250-LC-MB-FD	277	NA	250	WHITE	0-10V	WALL	
INV2		500W PURE SINE WAVE INVERTER	ISOLITE	E3-500-LC-V2-11-TB-WB	277	NA	500	GRAY	NA	WALL	
LIGHTING SCHEDULE NOTES:											
1. CONTACT F OR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT GUS MACIAS @ LIGHTINGDYNAMICS 305-345-7571 OR GMACIAS@LIGHTINGDYNAMICS.COM											
2. SPECIFIC LIGHTING FIXTURES, SELECTED BY TYPE, PHOTOMETRIC PERFORMANCE, LIGHTING PATTERN, AND LUMEN OUTPUT, WERE USED IN THE ILLUMINATION DESIGN TO PRODUCE THE REQUIRED EFFECT AND ILLUMINATION. SUBSTITUTION OF THE LIGHT FIXTURES WILL RESULT IN DIFFERENT.											
3. THE ABOVE FIXTURE SCHEDULE IS PREDICATED ON PERFORMANCE, SIZE LIMITATIONS, AND IS DESIGNED TO MEET CERTAIN AESTHETIC CRITERIA. ANY ALTERNATIVE SELECTIONS MUST SUBMIT THE FOLLOWING TO THE ARCHITECT FOR APPROVAL FIFTEEN (15) DAYS PRIOR TO BID DATE...											
4. IF THERE IS A DISCREPANCY BETWEEN A FIXTURE DESCRIPTION AND GENERAL NOTES, AND THE CATALOG NUMBER LISTED, THE FIXTURE DESCRIPTION AND GENERAL NOTES SHALL DICTATE.											
5. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ACTUAL CEILING CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND FURNISH ALL LUMINAIRES WITH THE CORRECT MOUNTING DEVICES WHETHER OR NOT SUCH VARIATIONS ARE INDICATED IN THE LUMINAIRE CATALOGS											
5. ALL LUMINAIRES SHALL BEAR THE UL LISTING NUMBERS FROM A NATIONALLY RECOGNIZED TESTING LABORATORY											

LIGHTING FIXTURE NOTES

1. LIGHTING FIXTURES SCHEDULE IS FOR DESIGN CRITERIA PURPOSES. ONLY THOSE LIGHTING FIXTURES AS REVIEWED BY ENGINEER, OWNER AND ARCHITECT.
2. WHERE LAY-IN FLUORESCENT FIXTURES OCCUR, CONTRACTOR SHALL PROVIDE ADEQUATE SUPPORTS, IN ACCORDANCE WITH NEC 410-36(b)
3. ALL INCANDESCENT LIGHTING FIXTURES MOUNTED IN LAY-IN CEILING TILE SHALL BE LOCATED IN CENTER OF TILE, UNLESS OTHERWISE APPROVED BY ARCHITECT. SUPPORT SHALL BE BY MEANS OF BAR HANGERS ON MAIN TEES OF CEILING SYSTEM.
4. CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION AND PROVIDE ADEQUATE FIXTURE SUPPORTS, TRIMS, ETC., BEFORE ORDERING ANY LIGHTING FIXTURES.
5. WHERE INSULATION OR ANY TYPE OF COMBUSTIBLE MATERIAL IS TO BE USED IN CEILING CAVITIES AND ADJACENT TO LIGHTING FIXTURES, INSULATION SHALL NOT BE INSTALLED WITHIN 3" OF THE RECESSED FIXTURE ENCLOSURE UNLESS THE FIXTURE IS APPROVED FOR THIS PURPOSE. SEE NOTE #6.
6. ALL RECESSED OR FLUSHED INCANDESCENT FIXTURES INSTALLED IN INSULATED CEILING SHALL HAVE THERMAL PROTECTION, UNLESS FIXTURE IS APPROVED FOR CONCRETE INSULATION OR SUITABLE FOR INSTALLATION IN DIRECT CONTACT WITH THERMAL INSULATION.
7. ALL LIGHTING FIXTURE COLOR FINISHES SHALL BE VERIFIED WITH ARCHITECT AND/OR OWNER BEFORE ORDERING.
8. WHERE LOW VOLTAGE FIXTURES ARE USED, PROPER ACCESS FOR THE TRANSFORMER SHALL BE PROVIDED. FIXTURES WITH FACTORY MOUNTED TYPE TRANSFORMER SHALL HAVE ENOUGH FLEXIBLE RACEWAY LENGTH TO BE ABLE TO PULL OUT THE TRANSFORMER FOR SERVICING.
9. WHEN SUBSTITUTING LIGHT FIXTURES OF ROADWAY, PARKING AND SPORT AREAS, CONTRACTOR SHALL SUBMIT TO THE ENGINEER LAYOUT OF THE AREA, SHOWING LOCATION OF FIXTURES WITH PHOTOMETRIC CURVES AND MOUNTING DETAILS. THIS SUBMITTAL SHALL INDICATE THAT IT WAS PREPARED BY THE MANUFACTURER, WITH DATE AND SCALE PRINTED ON THE LAYOUT.
10. EMERGENCY LIGHTS WILL BE SWITCHED WITH THE NORMAL POWER LIGHTS. THESE LIGHTS WILL BE FED VIA A SET OF CONTACTS. WHEN THE BUILDING IS ON EMERGENCY, THESE EMERGENCY LIGHTS WILL BE ON REGARDLESS THE POSITION OF THE LIGHT SWITCH.

GENERAL NOTES

1. ALL CONDUIT RUN EXPOSED, CONCEALED IN MASONRY WALLS OR CONCRETE SLAB, BENEATH SLABS ON GRADE OR RUN UNDERGROUND SHALL BE IN PVC. MC CABLE ELECTRICAL METALLIC TUBING AND FLEXIBLE NON-METALLIC TUBING, AS PERMITTED BY THE CODES, MAY BE CONCEALED IN INTERIOR HOLLOW WALLS AND ABOVE SUSPENDED CEILINGS. ALL FITTINGS SHALL BE COMPRESSION TYPE AND WATERTIGHT FOR OUTDOOR AND UNDERGROUND INSTALLATIONS. POLYVINYL CHLORIDE (PVC) SCHEDULE 80 LISTED RACEWAY MAY BE IN ALL RUNS UNDERGROUND AND BENEATH AND IN GROUND SLAB PROVIDED SIZE IS SUFFICIENT TO ACCOMMODATE GROUND WIRE AND ADAPTERS ARE INSTALLED AT PVC TO METAL TRANSITIONS, WHERE RACEWAYS RISE THROUGH GRADE AND/OR BOTTOM SLABS.
2. ALL FEEDER'S CONDUCTORS TO BE COPPER WITH THHN INSULATION UNLESS OTHERWISE NOTED. ALL FEEDERS FOR LOADS 100A AND LARGER TO BE ALUMINUM.
3. ALL WIRES SHALL BE #12 AWG COPPER AND UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS ALL INSULATION SHALL BE TYPE THWN/THHN. (STRANDED WIRE SHALL NOT BE USED).
4. MANUFACTURERS' NAME AND CATALOG NUMBERS ARE USED TO DEFINE THE TYPE AND QUALITY OF EQUIPMENT AND MATERIAL. EQUAL ITEMS OF OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY ARE APPROVED EQUAL OR BETTER IN THEIR QUALITY.
5. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER, AND IN FULL ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. ALL APPLICABLE STATE AND LOCAL CODES, AND THE LOCAL UTILITY COMPANY REQUIREMENTS.
6. CONTRACTOR SHALL VERIFY NAMEPLATE RATINGS OF ALL EQUIPMENT FOR CORRECT SIZE OF OVERCURRENT DEVICES AND WIRING BEFORE ROUGHING IN.
7. CONTRACTOR SHALL VERIFY LOCATION OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION AND THE EXACT CONNECTION REQUIREMENT OF EQUIPMENT WILL DETERMINE THE ACTUAL CONDUIT ROUTES.
8. CONDUIT ROUTINGS ARE SHOWN SCHEMATICALLY AND CONTRACTOR SHALL FOLLOW ROUTINGS AS CLOSELY AS POSSIBLE. HOWEVER, BUILDING CONDITIONS WILL DETERMINE THE ACTUAL CONDUIT ROUTES.
9. ALL ELECTRICAL RACEWAY PENETRATIONS THROUGH BUILDING FIREWALLS, PARTITIONS, FLOORS, OR CEILINGS SHALL BE ADEQUATELY SEALED WITH A FIRE RESISTANT SILICONE FOAM THAT MEETS OR EXCEEDS N.E.C. ARTICLE 300-21. MINIMUM HORIZONTAL SEPARATION BETWEEN BOXES ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE 24 INCHES OR HAVE A UL FIRE SEALANT SURROUNDING THE PENETRATIONS.
10. WHERE WIRE SIZES ARE INDICATED ON THE PLANS FOR INDIVIDUAL CIRCUITS, THE INDICATED WIRE SIZE SHALL APPLY TO THE COMPLETE CIRCUIT UNLESS OTHERWISE INDICATED.
11. THE SHORT-CIRCUIT AVAILABILITY AT PANEL BOARDS SHALL BE LIMITED TO THE INTERRUPTING CAPACITY OF THE LOWEST RATED DEVICES.
12. TANDEM AND TIE BREAKERS WILL NOT BE ACCEPTABLE.
13. ALL MOTOR STARTERS FOR FANS, PUMPS, BOILERS, AIR CONDITIONERS, ETC., SHALL BE EQUIPPED WITH OVERLOAD PROTECTION IN EACH PHASE LEG. STARTERS FOR MOTORS RATED AT 75 HP OR LESS AT 480 OR 208 VOLTS, MAY BE ACROSS-THE-LINE TYPE. WHEN APPLICABLE, STARTERS FOR LARGER MOTORS SHALL BE AUTO-TRANSFORMER REDUCED VOLTAGE TYPE.
14. ALL EQUIPMENT FURNISHED WITH CORD SHALL HAVE MINIMUM LENGTH CORD INSTALLED WITH CORRECT OUTLET PLUG JACKS, ETC., AS REQUIRED FOR COMPLETE INSTALLATION OF EQUIPMENT. ALSO, WHEN APPLICABLE, RECEPTACLE SHALL BE FURNISHED TO MATCH ELECTRICAL EQUIPMENT SERVED BY IT.
15. ALL ELECTRICAL EQUIPMENT SHALL BE READILY ACCESSIBLE, LOCATED IN A CLEAN AND DRY LOCATION, AND BE PROTECTED FROM PHYSICAL DAMAGE. ALSO, A CLEAR WORKING SPACE SHALL BE PROVIDED AROUND EQUIPMENT TO COMPLY WITH N.E.C.
16. JUNCTION AND PULL-BOXES SHALL BE GALVANIZED CODE-GAUGE SHEET STEEL, WITH SCREWED ON COVER, NEMA 1, OF SIZES AND SHAPE TO ACCOMMODATE WIRING ACCORDING TO N.E.C. AND TO SUIT LOCATION.
17. JUNCTION AND PULL-BOXES SHALL BE SECURELY MOUNTED TO THE BUILDING STRUCTURE WITH SUPPORTING FACILITIES INDEPENDENT OF THE CONDUITS ENTERING OR LEAVING THE BOXES. BRACKETS, RODS HANGERS, BOLTS OR OTHER SUITABLE SUPPORTING METHOD MAY BE USED. CEILING MOUNTED JUNCTION BOXES SHALL BE BE RATED FOR CEILING FANS.
18. ALL JUNCTION AND PULL-BOXES SHALL BE ACCESSIBLE ALL THE TIME.
19. ALL INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS FOLLOWS:
120/208 V SYSTEM
PHASE "A" : BLACK
PHASE "B" : RED
PHASE "C" : BLUE
NEUTRAL: WHITE
GROUND: GREEN
20. ALL RESIDENTIAL UNIT'S 15 AND 20 AMP RECEPTACLES ARE TO BE TAMPER RESISTANT AS PER N.E.C. ARTICLE 408.11.
21. ALL RESIDENTIAL UNIT'S 15 AND 20 AMP RECEPTACLES ARE TO BE ARC FAULT TYPE AS PER N.E.C. ARTICLE 210.12.
22. BACK TO BACK RECEPTACLE OUTLETS BETWEEN UNITS, TO BE SEPARATED BY A METAL STUD AND, A MINIMUM DISTANCE OF 24" FROM EACH OTHER.
23. ALL ELECTRICAL BOXES IN THE DEMISING WALL SHALL BE INSTALLED WITH FIRE STOP PUTTY FOR SOUND CONTROL.
24. NOT LESS THAN 90 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH EFFICIENCY LAMPS AS PER F.B.C. 2020 SECTION R404.1.
25. CORRIDOR OUTLETS SHALL BE AVAILABLE FOR TENANT USE FOR MAINTENANCE TO A/C EQUIPMENT THAT IS LOCATED IN CLOSETS IN THE COMMON CORRIDORS FOR A/C THAT SERVE THE TENANTS UNIT.
26. NO ELECTRICAL EQUIPMENT OR ELECTRICAL OUTLETS SHALL BE LOCATED BELOW DESIGN FLOOD ELEVATION (BASE FLOOD ELEVATION + 1 FT) PER THE CITY OF FORT LAUDERDALE ORDINANCE ARTICLE II SEC. 14-10 AND 14-17.4.
27. ALL ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL CENTERS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT IS IN OTHER THAN DWELLING UNITS, SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS PER N.E.C. 110.16.

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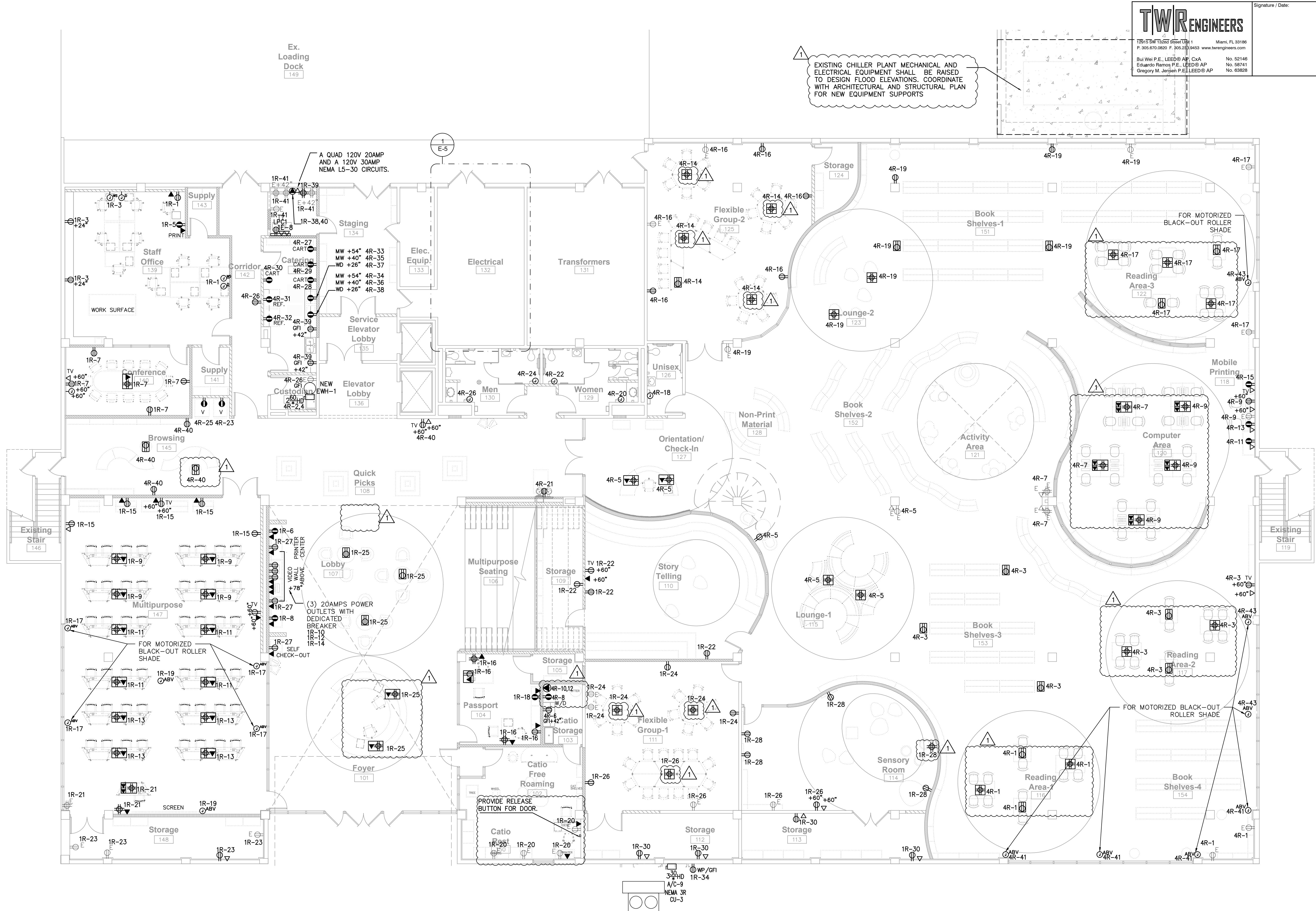
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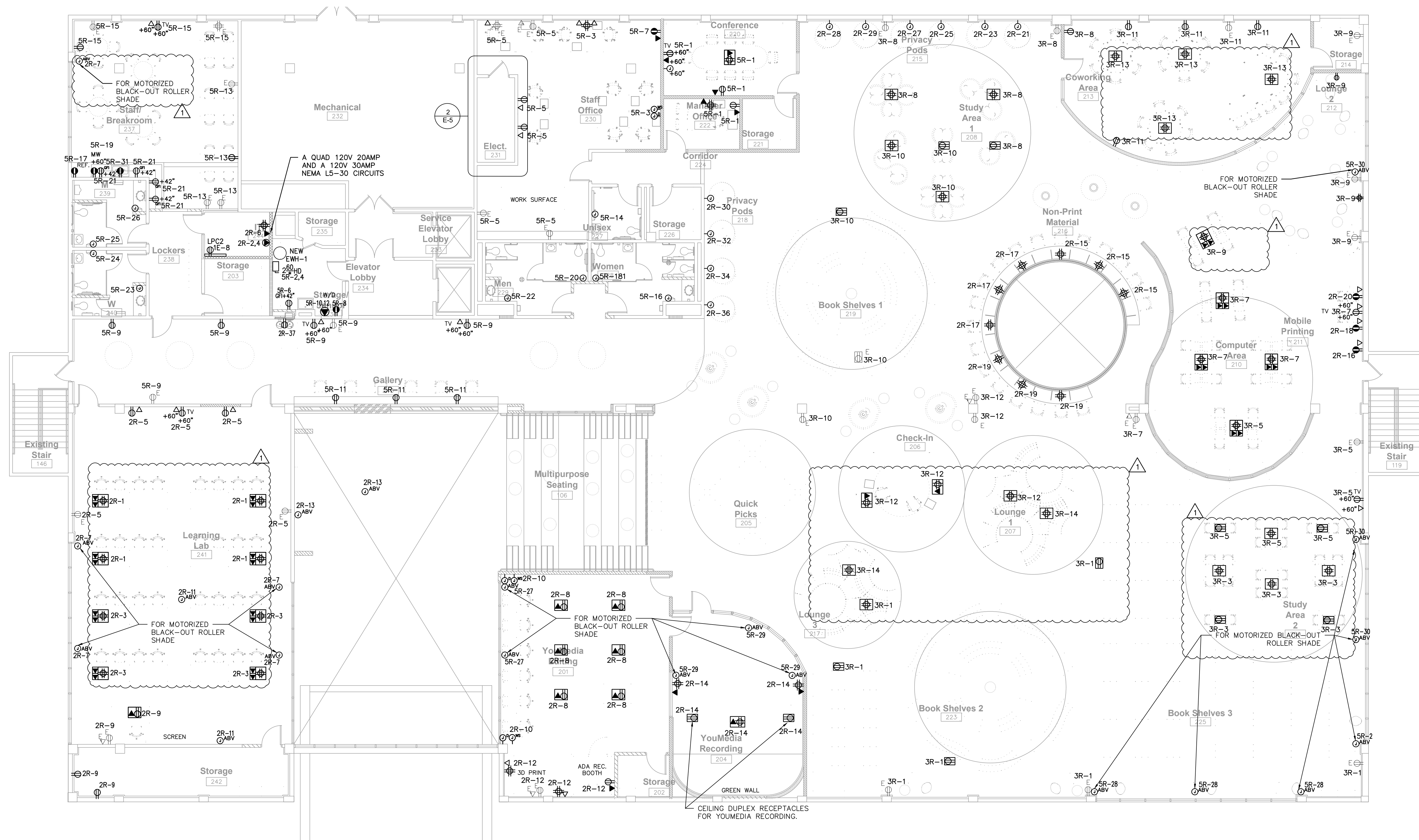
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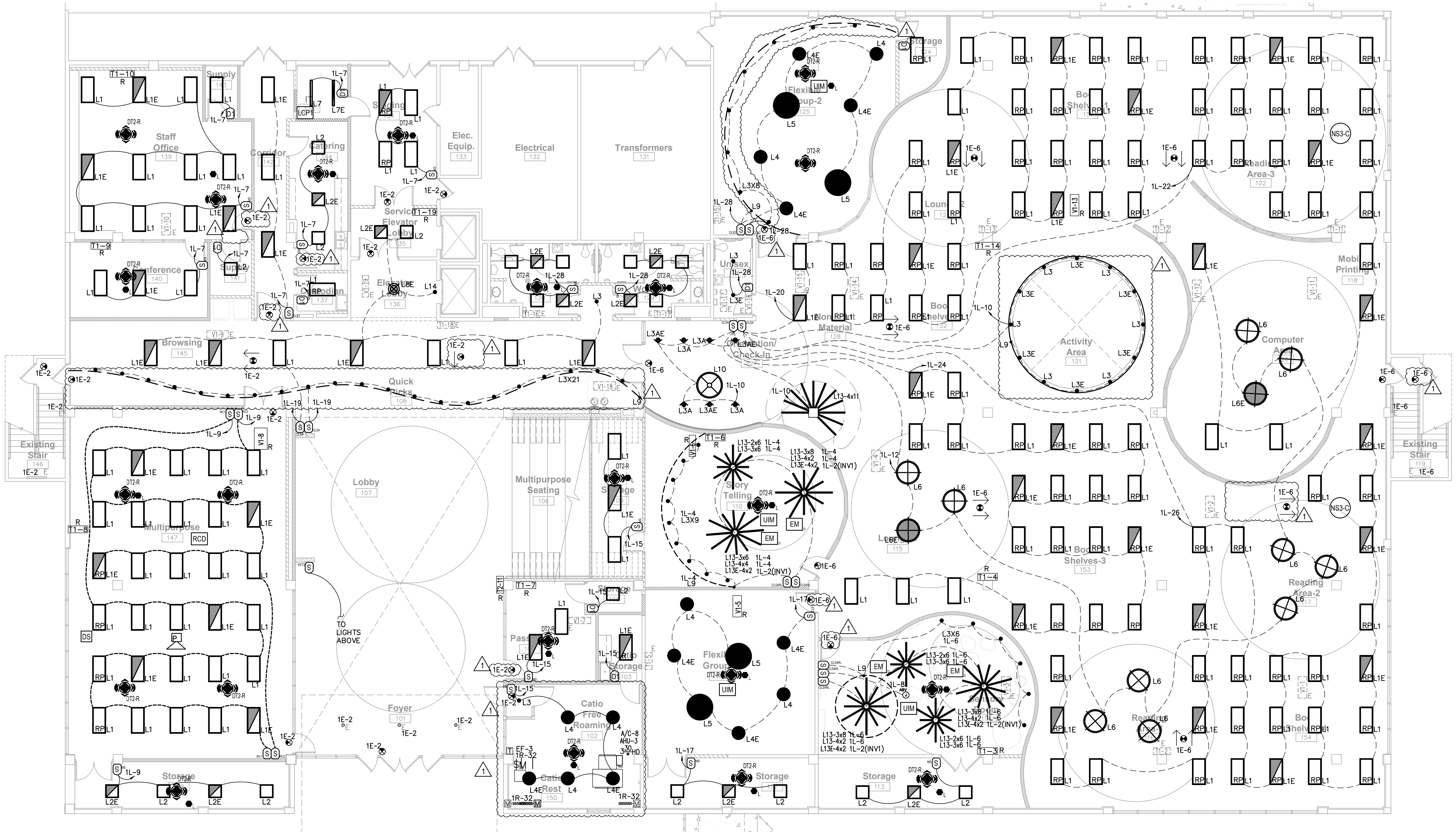
CONTROLS LEGEND	
SYMBOL	MODEL/DESCRIPTION
NS3-C	NS3-C ILLUMEN DAYLIGHT SENSOR
UIM	UIM (MINI UIG) INTERFACE MODULE
CLS	CLS-1TLB-W-R CLS OVERRIDE SWITCH/ SCENE STATION
CLS	CLS-2TLB-W-R CLS OVERRIDE SWITCH/ SCENE STATION
CLS	CLS-4TSB-W-R CLS OVERRIDE SWITCH/ SCENE STATION
CLS	CLS-4TSB-RL-W-R CLS OVERRIDE SWITCH/ SCENE STATION
DT1-R	OAC-DT-1000-R 360 DEGREE 1000FT² DT CEILING SENSOR
DT2-R	OAC-DT-2000-R 360 DEGREE 2000FT² DT CEILING SENSOR
RCD	RC3D-PL DIMMING ROOM CONTROLLER
DS	DSRC-FMOIR ROOM CONTROLLER DAYLIGHT SENSOR
DS	RC-1TLB-101-W ROOM CONTROLLER WALL STATION
DS	RC-1TLB-102-W ROOM CONTROLLER WALL STATION
L	SP20-RD4 120/277VAC SINGLE RELAY SWITCHPACK FOR LIGHTING LOADS
DS	GMDS-W MOMENTARY SWITCH FOR OVERRIDING SENSOR
DT	ONW-D-1001-MV-W 120/277VAC SINGLE RELAY DT WALL SWITCH SENSOR
EM	CEPC-2-D UL924 EMERGENCY RELAY FOR 0-10V DIMMING LOADS
LCPX	LIGHTING CONTROL PANEL WITH 24 RELAYS

COLOR KEY

STAND ALONE LINE

WAVE/INX WIRED RELAY

ROOM CONTROLLER RELAY



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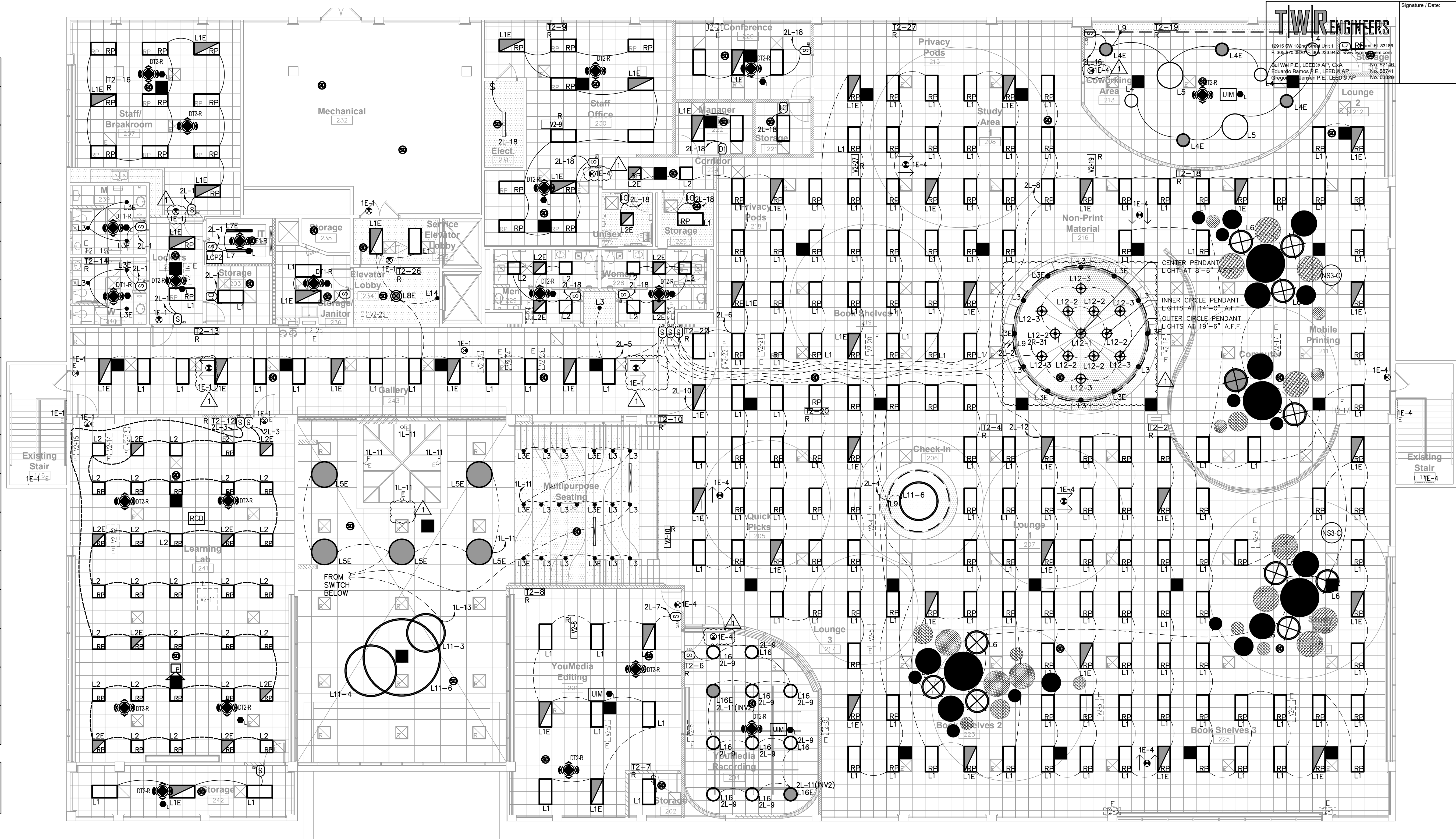
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CONTROLS LEGEND	
SYMBOL	MODEL/DESCRIPTION
	NS3-C ILUMEN DAYLIGHT SENSOR
	UIM (MINI) I/G INTERFACE MODULE
	CLS-1TLB-W-IR CLS OVERRIDE SWITCH/ SCENE STATION
	CLS-2TLB-W-IR CLS OVERRIDE SWITCH/ SCENE STATION
	CLS-4TSB-W-IR CLS OVERRIDE SWITCH/ SCENE STATION
	CLS-4TSB-RL-W-IR CLS OVERRIDE SWITCH/ SCENE STATION
	OAC-DT-1000-R 360 DEGREE 1000FT DT CEILING SENSOR
	OAC-DT-2000-R 360 DEGREE 2000FT DT CEILING SENSOR
	RC3D-PL DIMMING ROOM CONTROLLER
	DSRC-FMOIR ROOM CONTROLLER DAYLIGHT SENSOR
	RC-1TLB-101-W ROOM CONTROLLER WALL STATION
	RC-1TLB-102-W ROOM CONTROLLER WALL STATION
	SP20-RD4 120/277VAC SINGLE RELAY SWITCHPACK FOR LIGHTING LOADS
	GMSD-W MOMENTARY SWITCH FOR OVERRIDING SENSOR
	ONW-D-1001-MV-W 120/277VAC SINGLE RELAY DT WALL SWITCH SENSOR
	CEPC-2-D UL924 EMERGENCY RELAY FOR 0-10V DIMMING LOADS
	LIGHTING CONTROL PANEL WITH 24 RELAYS

COLOR KEY	
	STAND ALONE LINE
	WAVELINK WIRED RELAY
	ROOM CONTROLLER RELAY



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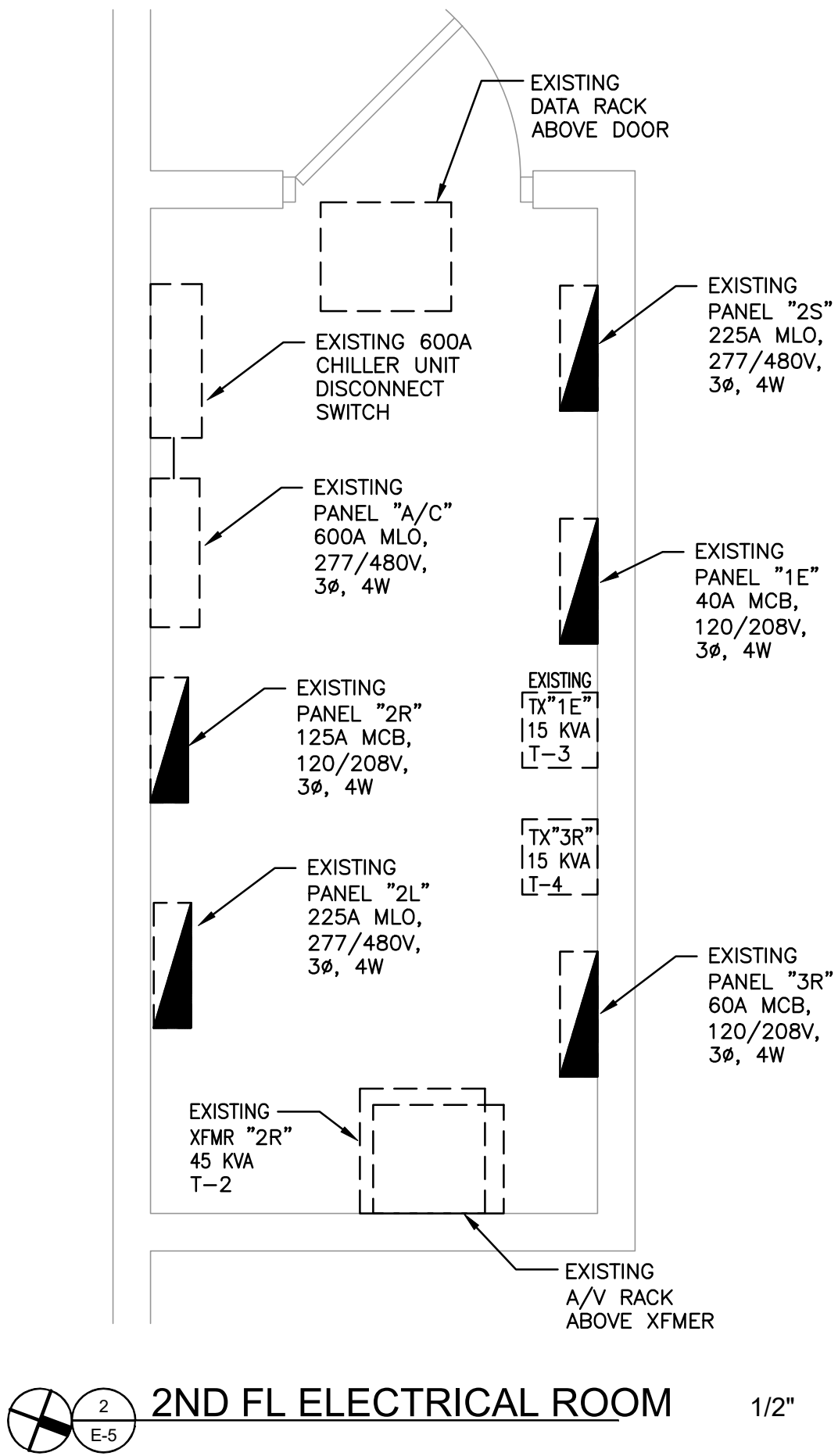
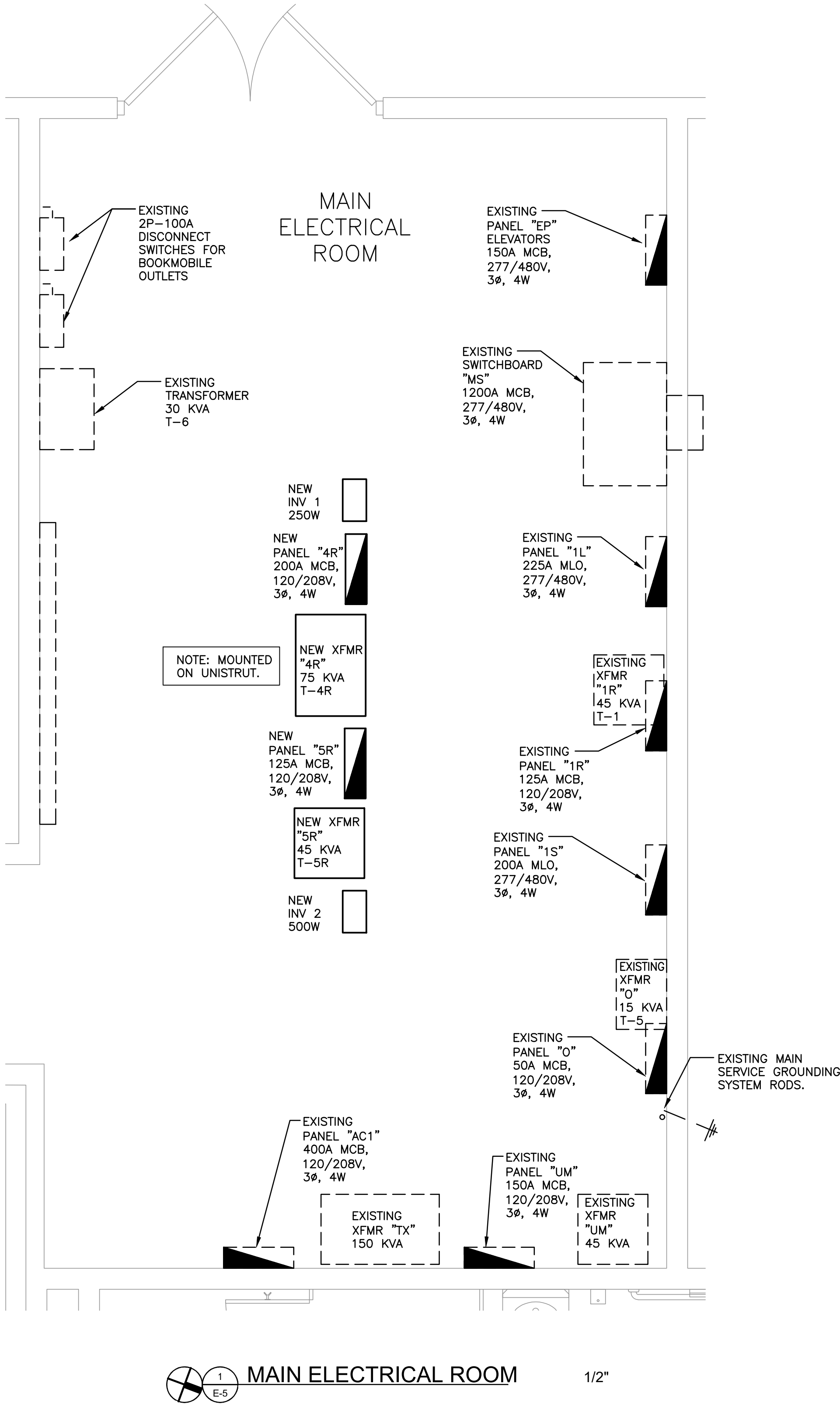
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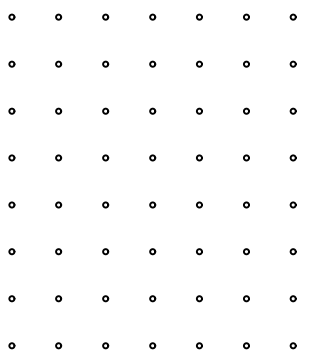
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TYPE: EXISTING		SWBD "MS"				MAIN BUS: 1,200 AMP		
SERVICE: 3ø, 4W		(EXISTING MAIN 2 OF 2)				NEUTRAL: 1,200 AMP		
VOLTAGE: 480/277V						MAIN BKR: 1,200 MCB		
MOUNTING: FREE STANDING						A.I.C. RATING: EXISTING		
CKT. NUM.	EQUIPMENT PROTECTED	LOAD KVA	VOLTS	POLE	BREAKERS		WIRE AND CONDUIT	LOCATION
					A.I.C.	TRIP		
1	EXISTING TX PNL AC-1 (NOT USED)	--	480	3	42K	225	--	MAIN ELEC. ROOM
2	EXISTING TX T-6	--	480	3	42K	60	--	MAIN ELEC. ROOM
3	EXISTING PANEL A/C	220.0	480	3	42K	600	EXISTING	ELEC. RM 2ND FL
4	NEW PANEL 4R VIA TX T-4R	62.22	480	3	42K	90	4#3 THHN/THWN CU & 1#8 G. IN 1-1/4" C.	MAIN ELEC. ROOM
5	NEW PANEL 5R VIA TX T-5R	40.42	480	3	42K	50	4#8 THHN/THWN CU & 1#10 G. IN 1" C.	MAIN ELEC. ROOM
6	EXISTING TX T-4 PANEL 3R	15.48	480	3	42K	30	EXISTING	ELEC. RM 2ND FL
7	SPACE	--	480	3	42K	--	--	--
8	EXISTING PANEL 2L	63.02	480	3	42K	200	EXISTING	ELEC. RM 2ND FL
9	SPACE	--	480	3	42K	--	--	--
10	EXISTING PANEL 1L	73.99	480	3	42K	225	EXISTING	MAIN ELEC. ROOM
11	EXISTING PANEL O TX T-5	14.3	480	3	42K	30	EXISTING	MAIN ELEC. ROOM
12	EXISTING PANEL 1S	88.1	480	3	42K	150	EXISTING	SWITCHGEAR ROOM
13	SPACE	--	480	3	42K	100	EXISTING	--
14	SPACE	--	480	3	42K	--	--	--
15	CHILLER UNIT CH-1	332.0	480	3	42K	500	EXISTING	1ST FL
16	SPACE	--	480	3	42K	--	--	--
TOTAL KVA		909.53	909.53 KVA / (480 * 1.73)V = 1,094.5 AMPS					
EXISTING FEEDER TO REMAIN.								

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD. (3) NEW BREAKER NEW LOAD.

TYPE: EXISTING
SERVICE: 3ø, 4W
VOLTAGE: 480/277V
MOUNTING: SURFACE

PANEL"EP"

MAIN BUS: 150 AMP
MAIN BKR: 150 MCB
A.I.C. RATING: EXISTING

CKT. NUM.	EQUIPMENT PROTECTED	LOAD KVA	VOLTS	POLE	BREAKERS		WIRE AND CONDUIT	LOCATION
					A.I.C.	TRIP		
(2) 1	EXISTING TX T-3 PNL 1E	6.1	480	3	42K	30	EXISTING	ELEC. RM 2ND FL
(1) 2	SPARE	--	480	3	42K	60	--	--
(1) 3	ELEVATORS	80.0	480	3	42K	125	EXISTING	MAIN ELEC. ROOM
(1) 4	SPACE	--	480	3	42K	--	--	--
(1) 5	SPACE	--	480	3	42K	--	--	--
(1) 6	SPACE	--	480	3	42K	--	--	--
TOTAL KVA		86.1	86.1 KVA/(480 * 1.73)V = 103.61 AMPS					
EXISTING FEEDER TO REMAIN.								

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD.

TYPE: EXISTING		PANEL "A/C"				MAIN BUS: 600 AMP		
SERVICE: 3ø, 4W		(EXISTING MAIN 2 OF 2)				NEUTRAL: 600 AMP		
VOLTAGE: 480/277V						MAIN BKR: MLO		
MOUNTING: SURFACE						A.I.C. RATING: EXISTING		
CKT. NUM.	EQUIPMENT PROTECTED	LOAD KVA	VOLTS	POLE	BREAKERS		WIRE AND CONDUIT	LOCATION
					A.I.C.	TRIP		
(1) 1	EXISTING AHU#2	54.0	480	3	35K	90	EXISTING	MECH. ROOM
(1) 2	SPARE	--	480	3	35K	60	--	--
(1) 3	EXISTING AHU#1	43.2	480	3	35K	70	EXISTING	MECH. ROOM
(1) 4	SPACE	--	480	3	35K	--	--	--
(1) 5	SPARE	--	480	3	35K	200	--	--
(1) 6	PANEL 2S	105.5	480	3	35K	200	EXISTING	ELEC. RM 2ND FL
(1) 7	SPARE	--	480	3	35K	200	--	--
(3) 8	NEW AHU#3	17.2	480	3	35K	25	4#10 THHN/THWN CU & 1#10 G. IN 1/2" C.	CATIO REST ROOM
(3) 9	NEW CU#3	17.3	480	3	35K	25	4#10 THHN/THWN CU & 1#10 G. IN 1/2" C.	EXTERIOR
(1) 10	SPACE	--	480	3	35K	--	--	--
(1) 11	SPACE	--	480	3	35K	--	--	--
(1) 12	SPACE	--	480	3	35K	--	--	--
(1) 13	SPACE	--	480	3	35K	--	--	--
(1) 14	SPACE	--	480	3	35K	--	--	--
(1) 15	SPACE	--	480	3	35K	--	--	--
TOTAL KVA		220.0	220.0 KVA/(480 * 1.73)V = 264.74 AMPS					
EXISTING FEEDER TO REMAIN.								

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD. (3) NEW BREAKER NEW LOAD.

(4) NON CONCURRENT LOADS.

TYPE: EXISTING		PANEL 1E					MAIN BUS: 125 A					
SERVICE: 120/208V, 3ø, 4W		(EXISTING)					MAIN BKR: 40 A					
MOUNTING: SURFACE							A.I.C. RATING: EXISTING					
POLES: 24												
	K. V. A.	TRIP POLE	CON- DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON- DUIT	TRIP POLE	K. V. A.
(2)	0.5	1/20	1/2	#12	EMERGENCY LIGHTING 2ND FL S	1	2	EMERGENCY LIGHTING 1ST FL S	#12	1/2	1/20	0.5
(1)	1.0	1/20	1/2	#12	FA CONTROL PANEL	3	4	EMERGENCY LIGHTING 2ND FL N	#12	1/2	1/20	0.5
(1)	--	--	--	--	SPARE	5	6	EMERGENCY LIGHTING 1ST FL N	#12	1/2	1/20	0.5
(1)	0.5	1/20	1/2	#12	ELEVATOR PIT LIGHTS	7	8	LIGHTING CONTROLS	#12	1/2	1/20	1.0
(1)	0.5	1/20	1/2	#12	ELEVATOR CAR LIGHTS	9	10	BMS	#12	1/2	1/20	1.0
(1)	--	--	--	--	SPARE	11	12	SPARE	#12	1/2	1/20	--
(1)	0.1	1/20	1/2	#12	FIRE SMOKE DAMPER	13	14	SPARE	#12	1/2	1/20	--
(2)	--	1/20	1/2	#12	SPARE	15	16	SPARE	#12	1/2	1/20	--
(2)	--	1/20	1/2	#12	SPARE	17	18	SPARE	#12	1/2	1/20	--
(2)	--	1/20	1/2	#12	SPARE	19	20	MAIN BREAKER	#8	3/4	3	--
(2)	--	1/20	1/2	#12	SPARE	21	22	MAIN BREAKER				--
(2)	--	1/20	1/2	#12	SPARE	23	24	MAIN BREAKER			40	--
2.6		2.6 KVA + 3.5 KVA = 6.1 KVA 6.1 KVA/208 * 1.73)V = 16.94 AMPS					EXISTING FEEDER TO REMAIN.					3.5

(1) EXISTING TO REMAIN.

(2) SAME BREAKER NEW LOAD.

TYPE: EXISTING	PANEL 1L										MAIN BUS: 225 A
SERVICE: 480/277V, 3ø, 4W	(EXISTING)										MAIN BKR: MLO A
MOUNTING: SURFACE	(1ST FLOOR)										A.I.C. RATING: EXISTING
POLES: 34											
K.V.A.	TRIP POLE	CON-DUIT	WIRE	REMARKS	OKT. NO.	OKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	K.V.A.
(1) 15	3	1	#8	TX PANEL UM	1	2	GENERAL LIGHTING (VIA INV1)	#12	1/2	1/20	0.25
(1) 15				TX PANEL UM	3	4	GENERAL LIGHTING	#12	1/2	1/20	1.2
(1) 15	50			TX PANEL UM	5	6	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	7	8	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	9	10	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	11	12	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	13	14	EMERGENCY LIGHTING	#12	1/2	1/20	0.5
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	15	16	ELEVATOR EMERGENCY LIGHTING	#12	1/2	1/20	0.5
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	17	18	ELEVATOR EMERGENCY LIGHTING	#12	1/2	1/20	0.5
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	19	20	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) --	1/20	1/2	#12	SPARE	21	22	GENERAL LIGHTING	#12	1/2	1/20	1.2
(1) 1.5	2	1/2	#10	POLE LIGHTS	23	24	GENERAL LIGHTING	#12	1/2	1/20	1.2
(1) 1.5	30			POLE LIGHTS	25	26	GENERAL LIGHTING	#12	1/2	1/20	1.2
(1) 1.5	2	1/2	#10	POLE LIGHTS	27	28	GENERAL LIGHTING	#12	1/2	1/20	1.2
(1) 1.5	30			POLE LIGHTS	29	30	TX PANEL 1R	#8	1	3	12.78
(1) 1.5	1/20	1/2	#12	POLE LIGHTS	31	32	TX PANEL 1R				12.78
(1) 1.5	1/20	1/2	#12	LIGHTS	33	34	TX PANEL 1R			50	12.78
21.9											52.09

21.9 KVA + 52.09 KVA = 73.99 KVA

73.99 KVA/(480 * 1.73)V = 89.04 AMPS

EXISTING FEEDER TO REMAIN.

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD.

TYPE: EXISTING	PANEL 2L										MAIN BUS: 225 A
SERVICE: 480/277V, 3ø, 4W	(EXISTING)										MAIN BKR: MLO A
MOUNTING: SURFACE	(2ND FLOOR)										A.I.C. RATING: EXISTING
POLES: 30											
K.V.A.	TRIP POLE	CON-DUIT	WIRE	REMARKS	OKT. NO.	OKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	K.V.A.
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	1	2	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	3	4	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	5	6	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	7	8	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 1.2	1/20	1/2	#12	GENERAL LIGHTING	9	10	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) 0.5	1/20	1/2	#12	GENERAL LIGHTING (VIA INV2)	11	12	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) --	1/20	1/2	#12	SPARE	13	14	NIGHT LIGHTS	#12	1/2	1/20	1.2
(2) --	1/20	1/2	#12	SPARE	15	16	GENERAL LIGHTING	#12	1/2	1/20	1.2
(2) --	1/20	1/2	#12	SPARE	17	18	GENERAL LIGHTING	#12	1/2	1/20	1.2
(1) --	3	--	--	SPARE	19	20	SPARE	#12	1/2	1/20	--
(1) --				SPARE	21	22	SPARE	#12	1/2	1/20	--
(1) --	100			SPARE	23	24	SPACE	--	--	--	--
(2) 12.24	3	1	#8	T-2 (PANEL 2R)	25	26	SUPPLY FAN ON ROOF	#12	1/2	3	3.0
(2) 12.24				T-2 (PANEL 2R)	27	28	SUPPLY FAN ON ROOF				3.0
(2) 12.24	50			T-2 (PANEL 2R)	29	30	SUPPLY FAN ON ROOF			20	3.0
43.22											19.8

43.22 KVA + 19.8 KVA = 63.02 KVA

63.02 KVA/(480 * 1.73)V = 75.8 AMPS

EXISTING FEEDER TO REMAIN.

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD.

TYPE: EXISTING	PANEL 1R										MAIN BUS: 125 A
SERVICE: 120/208V, 3ø, 4W	(EXISTING)										MAIN BKR: 125 A
MOUNTING: SURFACE	(1ST FLOOR)										A.I.C. RATING: EXISTING
POLES: 42											
K.V.A.	TRIP POLE	CON-DUIT	WIRE	REMARKS	OKT. NO.	OKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	K.V.A.
(2) 1.08	1/20	1/2	#12	GENERAL RCPT STAFF OFFICE	1	2	SPARE	#12	1/2	2	--
(2) 1.26	1/20	1/2	#12	GENERAL RCPT STAFF OFFICE	3	4	SPARE			20	--
(2) 1.5	1/20	1/2	#12	PRINTER STAFF OFFICE	5	6	PRINTER LOBBY	#12	1/2	1/20	1.5
(2) 1.08	1/20	1/2	#12	GENERAL RCPT CONFERENCE RM	7	8	PRINTER LOBBY	#12	1/2	1/20	1.5
(2) 1.44	1/20	1/2	#12	GENERAL RCPT MULTIPURPOSE FL	9	10	VIDEO WALL	#12	1/2	1/20	1.0
(2) 1.44	1/20	1/2	#12	GENERAL RCPT MULTIPURPOSE FL	11	12	VIDEO WALL	#12	1/2	1/20	1.0
(2) 1.44	1/20	1/2	#12	GENERAL RCPT MULTIPURPOSE FL	13	14	VIDEO WALL	#12	1/2	1/20	1.0
(2) 0.9	1/20	1/2	#12	GENERAL RCPT MULTIPURPOSE	15	16	GENERAL RCPT PASSPORT RM	#12	1/2	1/20	1.08
(2) 1.0	1/20	1/2	#12	MOTORIZED SHADES MULTIPURPOSE	17	18	PRINTER PASSPORT RM	#12	1/2	1/20	1.5
(2) 1.0	1/20	1/2	#12	PROJECTOR AND SCREEN	19	20	GENERAL RCPT CATO	#12	1/2	1/20	0.72
(2) 1.08	1/20	1/2	#12	GENERAL RCPT MULTIPURPOSE	21	22	GENERAL RCPT STORY TELLING	#12	1/2	1/20	0.72
(2) 0.72	1/20	1/2	#12	GENERAL RCPT STORAGE	23	24	GNL RCPT FLEXIBLE GROUP 1	#12	1/2	1/20	1.44
(2) 1.26	1/20	1/2	#12	GENERAL RCPT LOBBY FLOOR	25	26	GNL RCPT FLEXIBLE & SENSO.	#12	1/2	1/20	1.08
(2) 0.72	1/20	1/2	#12	GENERAL RCPT LOBBY	27	28	GENERAL RCPT SENSORY ROOM	#12	1/2	1/20	1.08
(2) --	1/20	1/2	#12	SPARE	29	30	GENERAL RCPT STORAGE	#12	1/2	1/20	0.72
(2) --	1/20	1/2	#12	SPARE	31	32	EF-3	#12	1/2	1/20	0.7
(2) --	1/20	1/2	#12	SPARE	33	34	EXTERIOR RECEPTACLE	#12	1/2	1/20	0.18
(2) --	1/20	1/2	#12	SPARE	35	36	SPARE	#12	1/2	1/20	--
(1) 1.2	1/20	1/2	#12	EXHAUST FAN	37	38	COMPUTER CABINET	#10	1/2	2	1.5
(2) 1.5	1/20	1/2	#12	COMPUTER CABINET	39	40	COMPUTER CABINET			30	1.5
(1) 1.5	1/20	1/2	#12	COMPUTER CABINET	41	42	SPARE	#12	1/2	1/20	--
20.12											18.22

20.12 KVA + 18.22 KVA = 38.34 KVA

38.34 KVA/(208 * 1.73)V = 106.5 AMPS

EXISTING FEEDER TO REMAIN.

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD. (3) NEW BREAKER NEW LOAD.

TYPE: EXISTING	PANEL 2R										MAIN BUS: 125 A
SERVICE: 120/208V, 3ø, 4W	(EXISTING)										MAIN BKR: 125 A
MOUNTING: SURFACE	(2ND FLOOR)										A.I.C. RATING: EXISTING
POLES: 42											
K.V.A.	TRIP POLE	CON-DUIT	WIRE	REMARKS	OKT. NO.	OKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	K.V.A.
(2) 1.44	1/20	1/2	#12	GENERAL RCPT LEARNING LAB FL	1	2	COMPUTER CABINET	#10	1/2	2	1.5
(2) 1.44	1/20	1/2	#12	GENERAL RCPT LEARNING LAB FL	3	4	COMPUTER CABINET			30	1.5
(2) 0.9	1/20	1/2	#12	GENERAL RCPT LEARNING LAB	5	6	COMPUTER CABINET	#12	1/2	1/20	1.5
(2) 0.9	1/20	1/2	#12	MOTORIZED SHADES	7	8	GENERAL RCPT YOUMEDIA EDIT.	#12	1/2	1/20	1.08
(2) 0.72	1/20	1/2	#12	STORAGE RECEPTACLES	9	10	GENERAL RCPT YOUMEDIA EDIT.	#12	1/2	1/20	1.08
(2) 1.0	1/20	1/2	#12	PROJECTOR AND SCREEN LEARN.	11	12	GENERAL RCPT YOUMEDIA EDIT.	#12	1/2	1/20	1.08
(2) 1.0	1/20	1/2	#12	PROJECTOR AND SCREEN LOBBY	13	14	GENERAL RCPT YOUMEDIA REC.	#12	1/2	1/20	1.44
(2) 1.08	1/20	1/2	#12	GENERAL RCPT OPEN AREA	15	16	PRINTER OPEN AREA	#12	1/2	1/20	1.5
(2) 1.08	1/20	1/2	#12	GENERAL RCPT OPEN AREA	17	18	PRINTER OPEN AREA	#12	1/2	1/20	1.5
(2) 1.08	1/20	1/2	#12	GENERAL RCPT OPEN AREA	19	20	PRINTER OPEN AREA	#12	1/2	1/20	1.5
(2) 0.5	1/20	1/2	#12	PRIVACY POD	21	22	COMPRESSOR AIR DRYER	#10	1/2	3	2.0
(2) 0.5	1/20	1/2	#12	PRIVACY POD	23	24	COMPRESSOR AIR DRYER				2.0
(2) 0.5	1/20	1/2	#12	PRIVACY POD	25	26	COMPRESSOR AIR DRYER			30	2.0
(2) 0.5	1/20	1/2	#12	PRIVACY POD	27	28	PRIVACY POD	#12	1/2	1/20	0.5
(2) 0.5	1/20	1/2	#12	PRIVACY POD	29	30	PRIVACY POD	#12	1/2	1/20	0.5
(2) 1.0	1/20	1/2	#12	GENERAL LIGHTING 2ND FL	31	32	PRIVACY POD	#12	1/2	1/20	0.5
(2) --	1/20	1/2	#12	SPARE	33	34	PRIVACY POD	#12	1/2	1/20	0.5
(2) --	1/20	1/2	#12	SPARE	35	36	PRIVACY POD	#12	1/2	1/20	0.5
(2) 0.4	1/20	1/2	#12	DRINKING FOUNTAIN	37	38	SPARE	#12	1/2	1/20	--
(2) --	1/20	1/2	#12	SPARE	39	40	SPARE	#12	1/2	1/20	--
(2) --	1/20	1/2	#12	SPARE	41	42	SPARE	#12	1/2	1/20	--
14.54											22.18

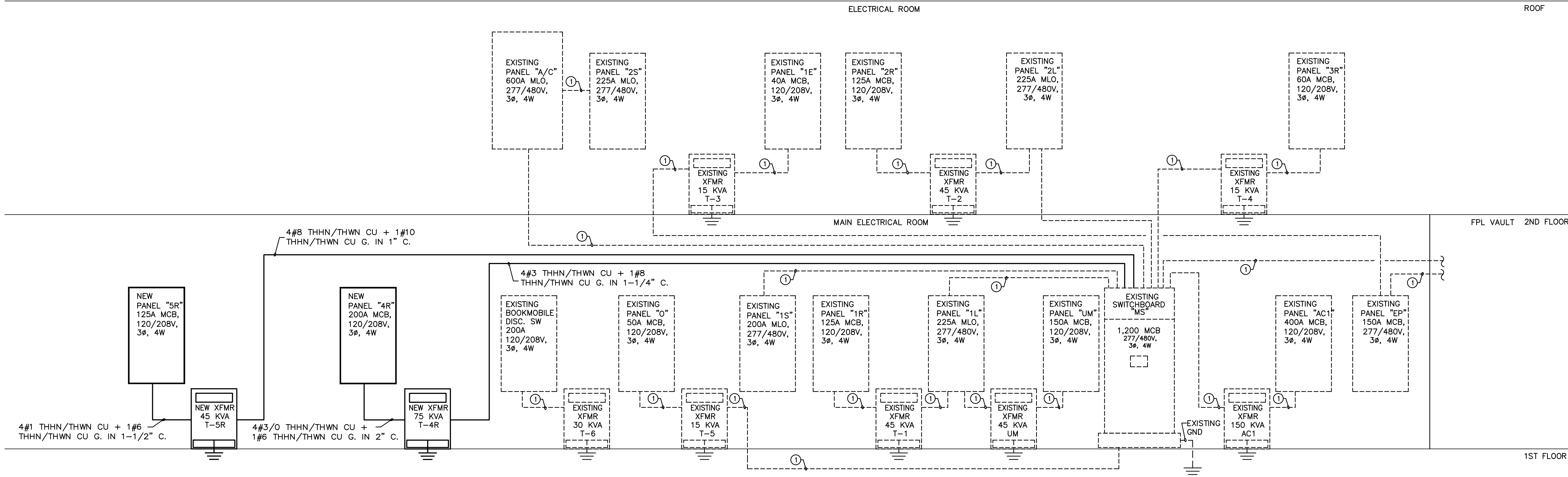
14.54 KVA + 22.18 KVA = 36.72 KVA

36.72 KVA/(208 * 1.73)V = 102 AMPS

EXISTING FEEDER TO REMAIN.

(1) EXISTING TO REMAIN. (2) SAME BREAKER NEW LOAD. (3) NEW BREAKER NEW LOAD.

TYPE: EXISTING	PANEL 4R										MAIN BUS: 225 A
SERVICE: 120/208V, 3ø, 4W	(NEW PANEL)										MAIN BKR: 200 A
MOUNTING: SURFACE	(1ST FLOOR)										A.I.C. RATING: 42 K
POLES: 54											
K.V.A.	TRIP POLE	CON-DUIT	WIRE	REMARKS	OKT. NO.	OKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	K.V.A.
1.44	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	1	2	ELECTRIC WATER HEATER	#8	3/4	2	3.0
1.8	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	3	4	ELECTRIC WATER HEATER			40	3.0
1.8	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	5	6	CONVENIENCE OUTLET	#12	1/2	1/20	1.5
1.44	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	7	8	WASHER	#12	1/2	1/20	1.2
1.44	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	9	10	DRYER	#10	1/2	2	2.5
1.5	1/20	1/2	#12	PRINTER OPEN SPACE	11	12	DRYER			30	2.5
1.5	1/20	1/2	#12	PRINTER OPEN SPACE	13	14	GNL RCPT FLEX. GROUP 2 FL	#12	1/2	1/20	1.62
1.5	1/20	1/2	#12	PRINTER OPEN SPACE	15	16	GNL RCPT FLEXIBLE GROUP 2	#12	1/2	1/20	1.08
1.8	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	17	18	HAND DRYER	#12	1/2	1/20	1.0
1.8	1/20	1/2	#12	GENERAL RCPT OPEN SPACE	19	20	HAND DRYER	#12	1/2	1/20	1.0
(1) 0.4	1/20	1/2	#12	DRINKING FOUNTAIN	21	22	HAND DRYER	#12	1/2	1/20	1.0
(1) 1.5	1/20	1/2	#12	VENDING MACHINE	23	24	HAND DRYER	#12	1/2	1/20	1.0
(1) 1.5	1/20	1/2	#12	VENDING MACHINE	25	26	HAND DRYER	#12	1/2	1/20	1.0

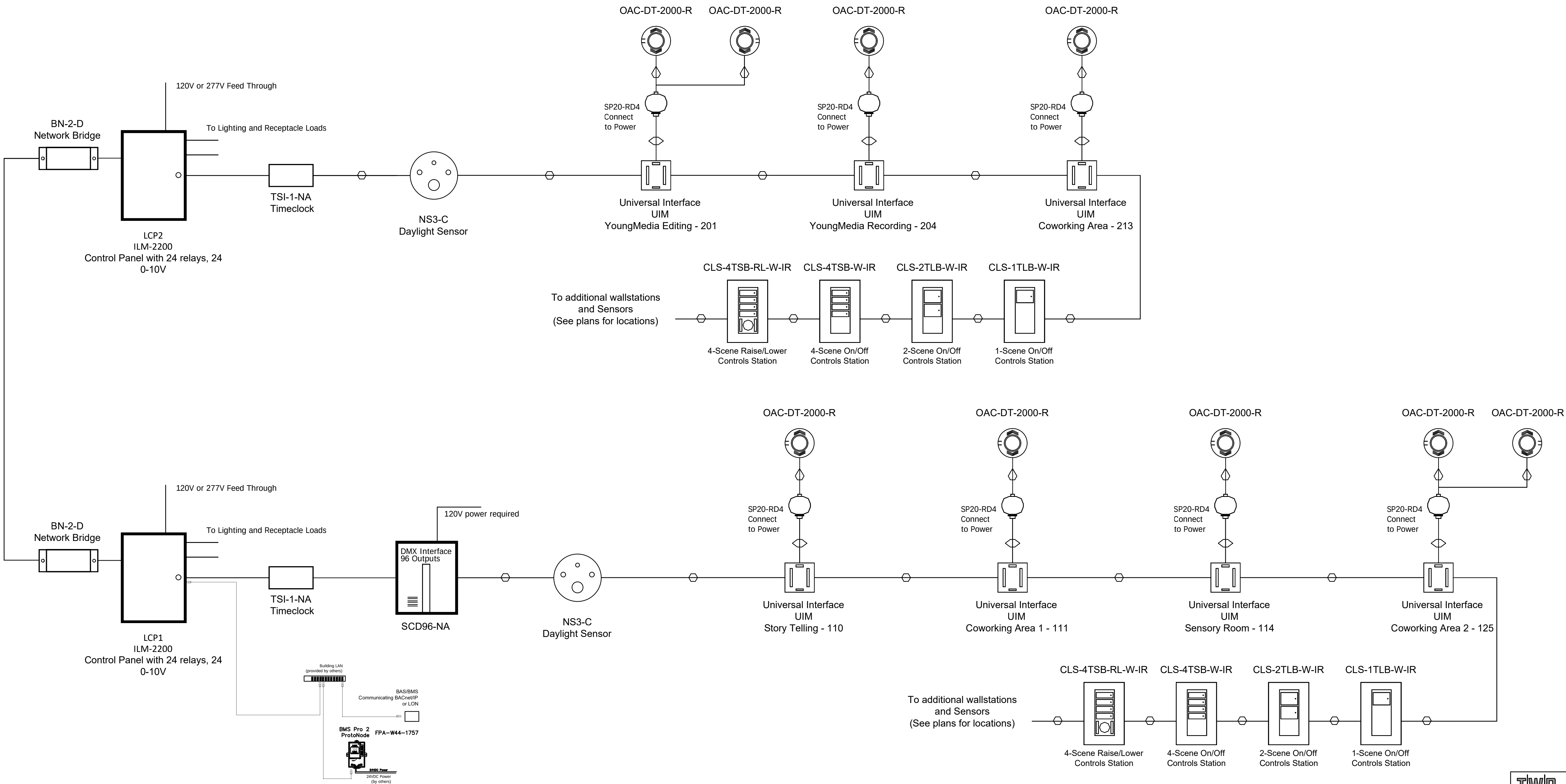


PARTIAL DIAGRAMMATIC POWER RISER
N.T.S.

① EXISTING TO REMAIN

CONDUIT/WIRING SCHEDULE

- ① 2,000 AMP BUS STAB - (MAIN SWBD3 - 2,000 A)
- ② 1" C, #3/0 GROUND ELECTRODE CONDUCTOR
- ③ TWO SETS OF 4#3/0 THHN/THWN CU + 1#6 THHN/THWN CU G. IN 2" C. EA.
- ④ 4#3 THHN/THWN CU + 1#8 THHN/THWN CU G. IN 1-1/4" C.
- ⑤ 2,000 AMP BUS STAB - (MAIN SWBD3 - 2,000 A)

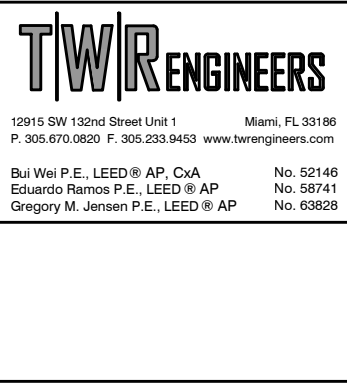


Notes

1	This one-line drawing is for concept only. Every wire is not shown. Wire according to the product installation/wiring instructions.
2	Refer to plans for locations, size, and quantity.
3	Refer to all manufacturers installation instructions for correct wiring information

Cables

○	CAN	Use Belden# 1502R non-plenum cable or 1502P plenum cable.
◇	LV2	Low Voltage Input wire - #18 AWG, 2 conductor wire
◊	LV3	Low Voltage Input wire - #18 AWG, 3 conductor wire



SYMBOL LEGEND				
SYM.	DESCRIPTION	MODEL	MOUNTING	CATALOG #
[FACP]	FIRE ALARM CONTROL PANEL	DESIGO	MOUNT 72" A.F.F. TO TOP, PROVIDE 120 VAC	6329
[PSR]	REMOTE FIRE ALARM PANEL	NIC-G	MOUNT 72" A.F.F. TO TOP, PROVIDE 120 VAC	6338
[PAD]	AUDIBLE POWER PANEL	PAD-3	MOUNT 72" A.F.F. TO TOP, PROVIDE 120 VAC	3362
[ANN]	REMOTE ANNUNCIATOR PANEL	FS-RD2	MOUNT 60" A.F.F. TO TOP	4308
[FATC]	FIRE ALARM TERMINAL CABINET	F.B.O.	SIZE AS REQUIRED OR SPECIFIED	
[DC]	DIGITAL COMMUNICATOR	FS-DACT	SIZE AS REQUIRED OR SPECIFIED	4307
[SD]	PHOTOELECTRIC DETECTOR W/ DB-11S BASE	HFPO-11	CEILING MOUNT ON A 4" OCTAGON BOX	4309
[SD] ^R	PHOTOELECTRIC DETECTOR W/ DB-11XRS RELAY BASE	HFPO-11	CEILING MOUNT ON A 4" OCTAGON BOX	4309
[DSC]	DUAL SYNC CONTROL MODULE	DSC	MOUNT ON A 4" SQUARE BACK BOX	2548
[HD]	CEILING THERMAL DETECTOR	HFPT-11	CEILING MOUNT ON A 4" OCTAGON BOX	6302
[HD] ^F	135 DEGREE FIXED TEMPERATURE THERMAL DETECTOR	DT-135F	FOR CONNECTION TO ELEVATOR SHUNT TRIP	6130
[SD] _D	DUCT SMOKE DETECTOR	AD-11P	FLEX TO DUCT HOUSING FROM A 4" SQUARE BOX.	6303
[SD] _R	DUCT SMOKE DETECTOR WITH RELAY MODULE	AD-HR	FLEX TO DUCT HOUSING FROM A 4" SQUARE BOX.	6303
[F] ^{WP}	NON-CODE MANUAL TYPE W.P.	MSM-K-WP	MOUNT 48" A.F.F. TO CENTER ON A SINGLE GANG BOX	6184
[F]	MANUAL PULL STATION	HMS-M	MOUNT 48" A.F.F. TO CENTER ON A SINGLE GANG BOX	6306
[IAB] ^R	DUAL ADDRESSABLE INTERFACE MODULE	HTRI-D	MOUNT ON A 3 1/2" DEEP DOUBLE GANG BOX	6304
[IAB] ^R	ADDRESSABLE INTERFACE MODULE W/ RELAY	HTRI-R	MOUNT ON A 3 1/2" DEEP DOUBLE GANG BOX	6304
[IAB]	ADDRESSABLE INTERFACE MODULE	HTRI-S	MOUNT ON A 3 1/2" DEEP DOUBLE GANG BOX	6304
[IAB] ^M	MINIATURE ADDRESSABLE INTERFACE MODULE	HTRI-M	MOUNT IN A SINGLE GANG BOX	6308
[I]	CONTROL POINT-SPEAKER, STROBE, OR PHONE	HCP	MOUNT IN A 4" SQUARE DEEP BOX WITH EXTENSION	6311
[I] ^{WP}	FIRE ALARM STROBE, SELECTABLE CANDELA	U-MCS	MOUNT 80" A.F.F. TO BOTTOM IN A 4" SQUARE BACKBOX	2550
[I] ^{WP}	FIRE ALARM STROBE, SELECTABLE CANDELA	U-S110S-1	MOUNT 80" A.F.F. TO BOTTOM ON A FWB BOX	2539
[S]	FIRE ALARM SPEAKER STROBE, SELECTABLE CANDELA	S-HP70-MCS	MOUNT 80" A.F.F. TO BOTTOM IN A 4" SQUARE BACKBOX	2559
[S]	FIRE ALARM SPEAKER	S-HP70-C	CEILING MOUNT OR WALL MOUNT 90" TO TOP AFF AND 6" BELOW FINISHED CEILING	2559
[S]	FIRE ALARM SPEAKER	S-HP70	CEILING MOUNT OR WALL MOUNT 90" TO TOP AFF AND 6" BELOW FINISHED CEILING	2559
[S] ^{WP}	FIRE ALARM SPEAKER, WEATHER-PROOF	S-HPMG-WP	MOUNT 80" A.F.F. TO BOTTOM ON A MT-SUR-BOX BOX.	2559
[DHI]	FIRE ALARM DOOR HOLDER (BY OTHERS)	VARIES	FIRE ALARM DOOR HOLDER (BY OTHERS)	
[EWL] ⁺	ELEVATOR WARNING LIGHT	SSU620	MOUNT 60" A.F.F. TO CENTER ON A SINGLE GANG BOX	
[M]	INPUT MODULE	FDC12221	MONITORABLE CONTACT INPUT FOR REPORTING TECHNICAL STATUS OR ACTIVATING AN ALARM	
[TS]	TAMPER SWITCH (BY OTHERS)	F.B.O.		
[FS]	FLOW SWITCH (BY OTHERS)	F.B.O.		
[PBA]	PROJECTED BEAM SMOKE DETECTOR, TRANSCIEVER	PBA-1191		
[PBR]	PROJECTED BEAM SMOKE DETECTOR, REFLECTOR	PBR-1191		
E	EXISTING DEVICES			
N	NEW DEVICES			
[RTS]	DUCT DETECTOR TEST SWITCH	TSM-1	MOUNT ON SINGLE GANG BOX	6196
[PV]	POST INDICATING VALVE		BY OTHERS	
C	CEILING MOUNTED			
[R]	RELAY			
[M] ⁻⁻⁻⁻⁻	MOTORIZED DAMPER TO BE MONITORED BY THE FIRE ALARM SYSTEM. SEE MECHANICAL DRAWINGS FOR TYPE AND EXACT LOCATION.			
[ASFD]	AUTOMATIC SMOKE FIRE DAMPER TO BE MONITORED BY THE FIRE ALARM SYSTEM. SEE MECHANICAL DRAWINGS FOR TYPE AND EXACT LOCATION.			
[CO/SD]	COMBINATION CARBON MONOXIDE AND SMOKE DETECTOR. ALARMS LOCALLY AND IS TO BE MONITORED BY THE FIRE ALARM SYSTEM.			
[C]	AREA OF REFUGE CALL STATION		BY OTHERS	

SIEMENS DESIGN FIRE ALARM SYSTEM IS THE BASIS OF DESIGN. FOR MORE INFORMATION CONTACT ROXWELL SMITH
954-329-4821 - ROXWELL.SMITH@SIEMENS.COM

SCOPE OF WORK

FIRE ALARM: INSTALLATION OF NEW FIRE ALARM DEVICES CONNECTED TO A NEW FIRE ALARM SYSTEM. THIS INCLUDES INSTALLATION OF INITIATING AND NOTIFICATION DEVICES. PROGRAMMING, TESTING, AND CERTIFYING THE COMPLETED FIRE ALARM SYSTEM.

FIRE ALARM PROJECT NOTES

1. FIRE ALARM PANEL IS A DESIGO SYSTEM.
2. EACH SLC CAN HAVE 252 DEVICES.
3. ALL NAC CIRCUITS ARE CLASS B, ALL SLC'S ARE STYLE 4.
4. BUILDING IS SPRINKLED
5. MONITORING SERVICE IS CENTRAL SERVICE STATION.

CODE REFERENCES

NFPA 72 (2016) NATIONAL FIRE ALARM CODE
NFPA 70 (2017) NATIONAL ELECTRIC CODE
NFPA 13 (2016) STANDARD ON SPRINKLER SYSTEMS
NFPA 101 (2018) LIFE SAFETY CODE
NFPA 92 (2015) STANDARD FOR SMOKE CONTROL SYSTEMS
NFPA 1221 (2016) STANDARD FOR EMERGENCY SERVICES COMMUNICATIONS SYSTEMS
FBC (7TH ED) FLORIDA BUILDING CODE
FFPC (7TH ED) FLORIDA FIRE PROTECTION CODE

SYSTEM TESTING

PRIOR TO ACCEPTANCE OF THE FIRE ALARM SYSTEM ALL SYSTEM COMPONENTS AND THE SYSTEM AS A WHOLE WILL BE TESTED AS PER NFPA 72 CHAPTER 14. THE A.H.J. SHALL BE NOTIFIED PRIOR TO THE INITIAL ACCEPTANCE TEST.

LEGEND AND NOTES

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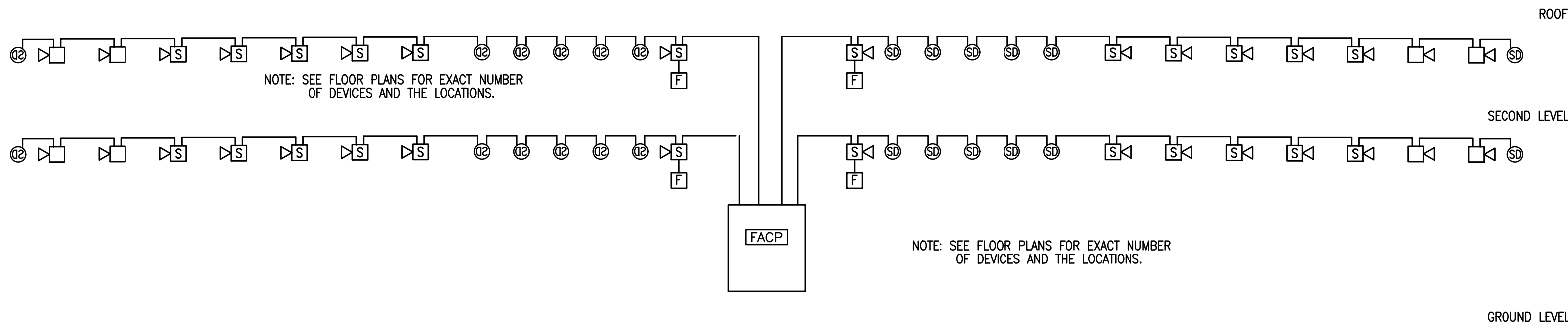
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GENERAL FIRE ALARM NOTES

1. ALL SMOKE DETECTOR LOCATIONS ARE DIAGRAMMATIC. THE FOLLOWING RULES MUST BE OBSERVED FOR SMOKE DETECTOR PLACEMENT:
A. SMOKE DETECTORS SHALL NOT BE INSTALLED CLOSER THAN 3' FROM AN AIR CONDITIONING VENT PER NFPA 72 (2010 EDITION).
B. IN ROOMS SMALLER THAN 30'X30' THE DETECTOR SHALL BE CENTERED IN THE ROOM IF POSSIBLE BY OBSERVING THE ABOVE RULE. C. IN ROOMS WHERE MULTIPLE DETECTORS ARE SHOWN, ONE OF THE FOLLOWING SHALL APPLY PER NFPA 72 (2010 EDITION):
1) THE DISTANCE BETWEEN DETECTORS SHALL NOT EXCEED THEIR LISTED SPACING, AND THERE SHALL BE DETECTORS WITHIN A DISTANCE OF ONE-HALF THE LISTED SPACING, MEASURED AT A RIGHT ANGLE, FROM ALL WALLS OR PARTITIONS EXTENDING TO WITHIN 460MM (18 IN.) OF THE CEILING.
2) ALL POINTS ON THE CEILING SHALL HAVE A DETECTOR WITHIN A DISTANCE EQUAL TO 0.7 TIMES THE LISTED SPACING.
2. INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE NEC ARTICLE 760, LOCAL CODES, NFPA 72 (2010 EDITION), AND/OR AUTHORITY HAVING JURISDICTION. ALL EQUIPMENT SHALL BE UL LISTED. ALL DEVICES SHALL BE COMPATIBLE WITH THE CONTROL PANELS. SYSTEM IS POWER LIMITED PER NEC 760 AND UL 864 REQUIREMENTS.
3. INSTALLATION MATERIALS (I.E. CONDUIT, WIRE, FITTINGS, HANGERS, STANDARD BOXES, FIBER OPTICS CABLE, FITTINGS, AND ASSOCIATED EQUIPMENT) ARE NOT SUPPLIED BY SIEMENS. THE ELECTRICAL CONTRACTOR SHALL CLEAN ALL DIRT AND DEBRIS FROM THE OUTSIDE AND INSIDE OF THE FIRE ALARM BACK BOXES AND JUNCTION BOXES BEFORE COMPLETION OF THEIR INSTALLATION.
4. ELECTRICAL CONTRACTOR MUST SET ADDRESSES FOR ADDRESSABLE DEVICES PRIOR TO INSTALLING THE DEVICE. FOR SMOKE DETECTORS, DO NOT MARK ID NUMBERS ON DEVICES LABEL BASE ONLY.
5. THE DESIGN INSTALLATION COMPLIES WITH FBC11-4--28.3, REFER TO SPECIFICATION SHEETS AND/OR INSTALLATION MANUALS.
6. DETECTOR AND AUDIBLE CIRCUIT POLARITY SHALL BE OBSERVED. AUDIBLE/VISUAL AND INITIATING CIRCUIT WIRING IS SUPERVISED. NO PARALLEL BRANCHING IS PERMISSIBLE.
7. WIRING SHALL BE PER PLAN WITH RESPECT TO CONDUCTOR SIZE AND TYPE. CONDUCTORS SHALL BE PERMANENTLY AND UNIQUELY MARKED AT FACP, JUNCTION BOXES, POWER EXTENDERS AND DEVICES FOR FUTURE IDENTIFICATION.
8. MINIMUM CONDUIT SIZE WILL BE 3/4". CONDUIT SHALL BE NO MORE THAN 40% FILLED PER NEC REQUIREMENTS.
9. ALL WIRING SHALL BE METERED, VERIFIED TO BE CONTINUOUS, FREE OF GROUND AND FREE OF SHORTS BETWEEN CONDUCTORS AND OTHER CIRCUITS PRIOR TO FINAL EQUIPMENT TRIM.
10. UNDERGROUND WIRING IS ACCEPTABLE PROVIDED N.E.C. REQUIREMENTS FOR UNDERGROUND WIRING IS MET.
11. INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR "AS BUILT" PURPOSES TO SIEMENS.
12. THE 120vac POWER ELECTRICAL WORK SUPPLYING FIRE ALARM SYSTEM PANELS MUST COMPLY WITH ARTICLE 725 AND 760 OF NFPA 70 (2011 EDITION), N.E.C. AND NFPA 72; IN REFERENCE TO DEDICATED BRANCH POWER SOURCES. 120vac POWER SHALL NOT BE APPLIED TO FIRE ALARM PANEL WITHOUT DIRECT SUPERVISION OF FIRE ALARM TECHNICIAN.
13. THE FIRE ALARM CONTROL PANEL SHALL NOT BE USED TO POWER ANY UNAUTHORIZED EXTERNAL DEVICE. PER NFPA 72; DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEAN-UP OF ALL TRADES IS COMPLETE AND FINAL. EXCEPTION: WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR PROTECTION DURING CONSTRUCTION.
14. DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO FINAL CLEAN-UP BY ALL TRADES SHALL BE CLEANED OR REPLACED IN ACCORDANCE WITH NFPA 72 (2010 EDITION) CHAPTER 7. FAILURE TO COMPLY WITH THIS NOTE WILL VOID ALL WARRANTIES.
15. FIRE ALARM COMPONENTS AND DEVICES MUST BE RATED FOR TEMPERATURE AND HUMIDITY IN THE ENVIRONMENT IN WHICH IT IS LOCATED.
16. DAMPER MOTOR AND FAN SHUTDOWN CONNECTIONS (IF ANY) ARE TO BE COORDINATED IN FIELD WITH HVAC CONTRACTOR.
17. FIRE ALARM POWER SUPPLIES AND ALL REMOTE SUPPLIES MUST BE CONNECTED TO BUILDING POWER OR COLD-WATER GROUND VIA 1 GREEN #12 THHN OR EQUIVALENT.
18. ALL SURGE/TRANSIENT SUPPRESSORS MUST BE CONNECTED TO BUILDING COLD-WATER GROUND. USE SURGE SUPPRESSION ON ALL CIRCUIT CONDUCTORS LEAVING AND ENTERING THE BUILDING. SURGE SUPPRESSION SHALL BE SUITABLE FOR THE INTENDED USE. CIRCUITS SHALL BE PROTECTED FROM INDUCED TRANSIENT VOLTAGE.
19. VERIFY MOUNTING LOCATIONS FOR THE FIRE ALARM CONTROL PANEL, REMOTE PANEL, SIGNAL EXTENDER, AND ANNUNCIATOR PANEL WITH ELECTRICAL CONTRACTOR.
20. THE XTRI-D IS A DUAL INPUT MODULE WITH TWO ADDRESS. THE FACP ANNUNCIATES EACH INPUT SEPARATELY.
21. HEAT DETECTORS MUST BE WITHIN 24" OF SPRINKLER HEAD IN ELEVATOR MACHINE ROOM. SMOKE DETECTORS IN THE ELEVATOR MACHINE ROOM SHALL RECALL THE ELEVATOR TO THE DESIGNATED LANDING. IF THE ELEVATOR MACHINE ROOM IS AT THE DESIGNATED LANDING THEN THE ELEVATOR SHALL BE RECALLED TO AN ALTERNATE LANDING.
22. WHERE AUDIBLE APPLIANCE ARE INSTALLED TO PROVIDE SIGNALS FOR SLEEPING AREAS, THEY SHALL HAVE A SOUND LEVEL OF AT LEAST 15 db ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 db ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS OR A LEVEL OF AT LEAST 75 dbA, WHICHEVER IS GREATER. MEASURED AT THE PILLOW LEVEL IN THE OCCUPIED SLEEPING AREA, USING THE A-WEIGHTED SCALE (dba). THESE AUDIBLE DEVICES MUST COMPLY WITH NFPA 72, SECTION 18.4.5.3. THE AUDIBLE DEVICES MUST HAVE A LOW-FREQUENCY SOUND AND BE LISTED FOR PRODUCING LOW FREQUENCY WAVE FORM.
23. THE 120 VAC CIRCUIT NUMBER FOR THE FIRE ALARM PANELS SHALL BE DETERMINED IN THE FIELD, USING THE FOLLOWING INFORMATION:
A. PER NFPA 72 (2010 ED.)
1) THE CIRCUIT BREAKER SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY BY AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT".
2) THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED ON THE FIRE ALARM PANEL.
B. THE MAIN FIRE ALARM PANEL REQUIRES AN AC INPUT CURRENT OF 2.4 AMPS.
C. THE PAD-3 POWER EXTENDER PANELS REQUIRE AN AC INPUT CURRENT OF 2.5 AMPS.
D. THE BREAKER FOR THE FIRE ALARM CIRCUIT SHALL NOT BE GREATER THAN 20 AMPS AND NOT LOADED ABOVE 80% OF ITS VALUE.
E. ALL A.C. POWER FOR THE FIRE ALARM PANELS SHALL BE PROVIDED FROM LIFE SAFETY (EMERGENCY) BRANCH CIRCUITS. INFORMATION REGARDING THE CORRECT BRANCH CIRCUIT SHALL BE PROVIDED BY THE INSTALLER SHALL BE INCLUDED IN THE AS-BUILT DRAWING SET.

WIRE LEGEND

DESCRIPTION	CONNECTIONS
2 CONDUCTOR #18 AWG TWISTED/SHIELDED FPL	FOR CONNECTION TO ADDRESSABLE DEVICES
2 CONDUCTOR #14 AWG TWISTED/SHIELDED FPL	FOR CONNECTION TO STROBE CIRCUITS (VOICE SYSTEMS)
2 CONDUCTOR #14 AWG FPL	FOR UNSWITCHED 24VDC POWER
2 CONDUCTOR #18 AWG FPL	FOR SWITCHED 24VDC POWER
2 CONDUCTOR #18 AWG TWISTED/SHIELDED FPL	FOR CONNECTION TO FIREFIGHTER'S PHONE JACKS
2 CONDUCTOR #18 AWG FPL	FOR MONITOR MODULES TO DIRECT SHORTING DEVICES
2 CONDUCTOR #16 AWG TWISTED/SHIELDED FPL	FOR CONNECTION TO NETWORK DEVICES
2 CONDUCTOR #16 AWG SHIELDED FPL	FOR CONNECTION TO SPEAKER CIRCUITS



DIAGRAMMATIC RISER

2
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N.T.S.

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Interior Alteration
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Cutler Bay, FL 33189

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Miami-Dade, FL 33128

Owner:

Date

05/22/2023

Commission

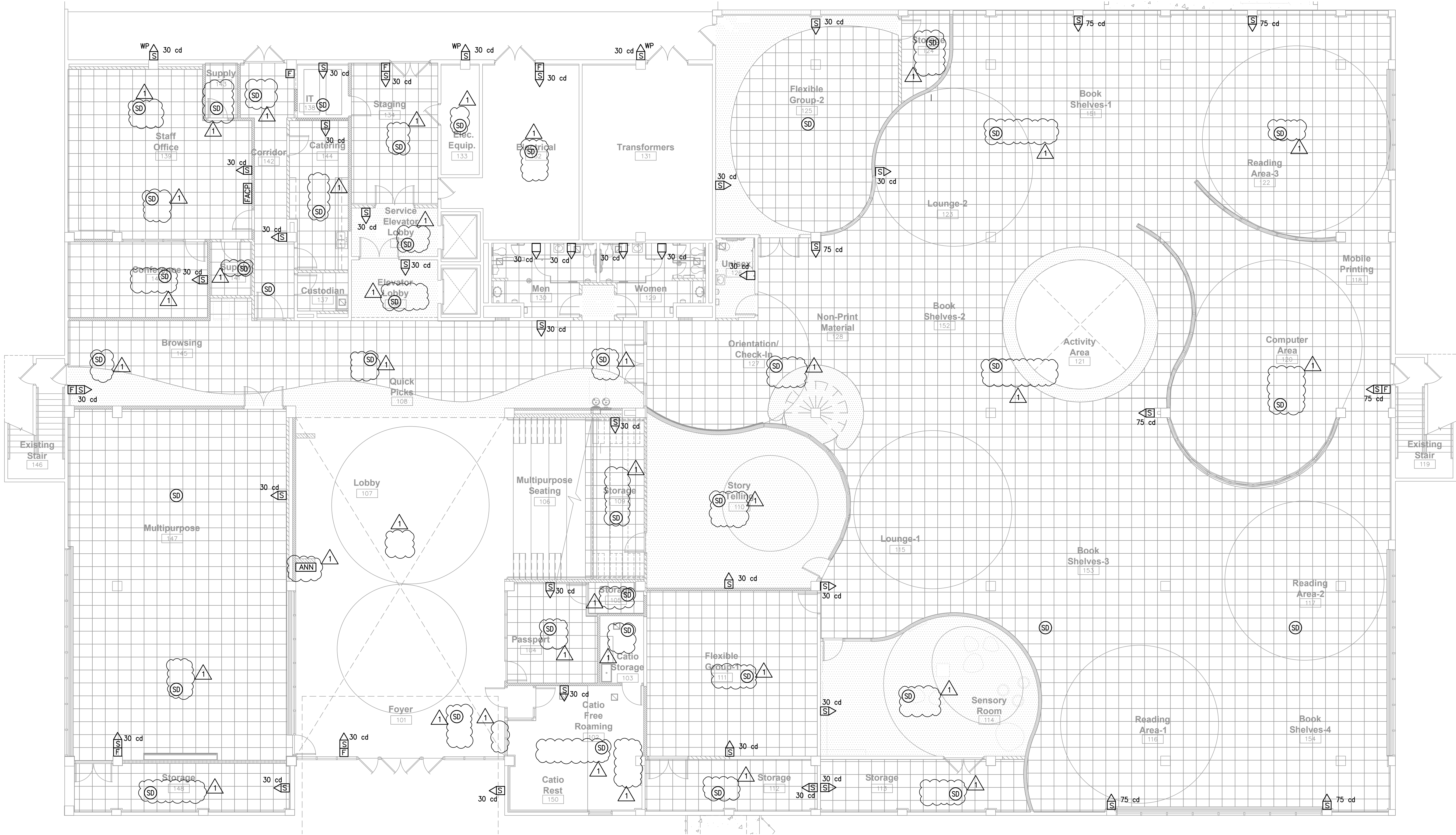
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Revisions

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1 of 3



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AR0009810

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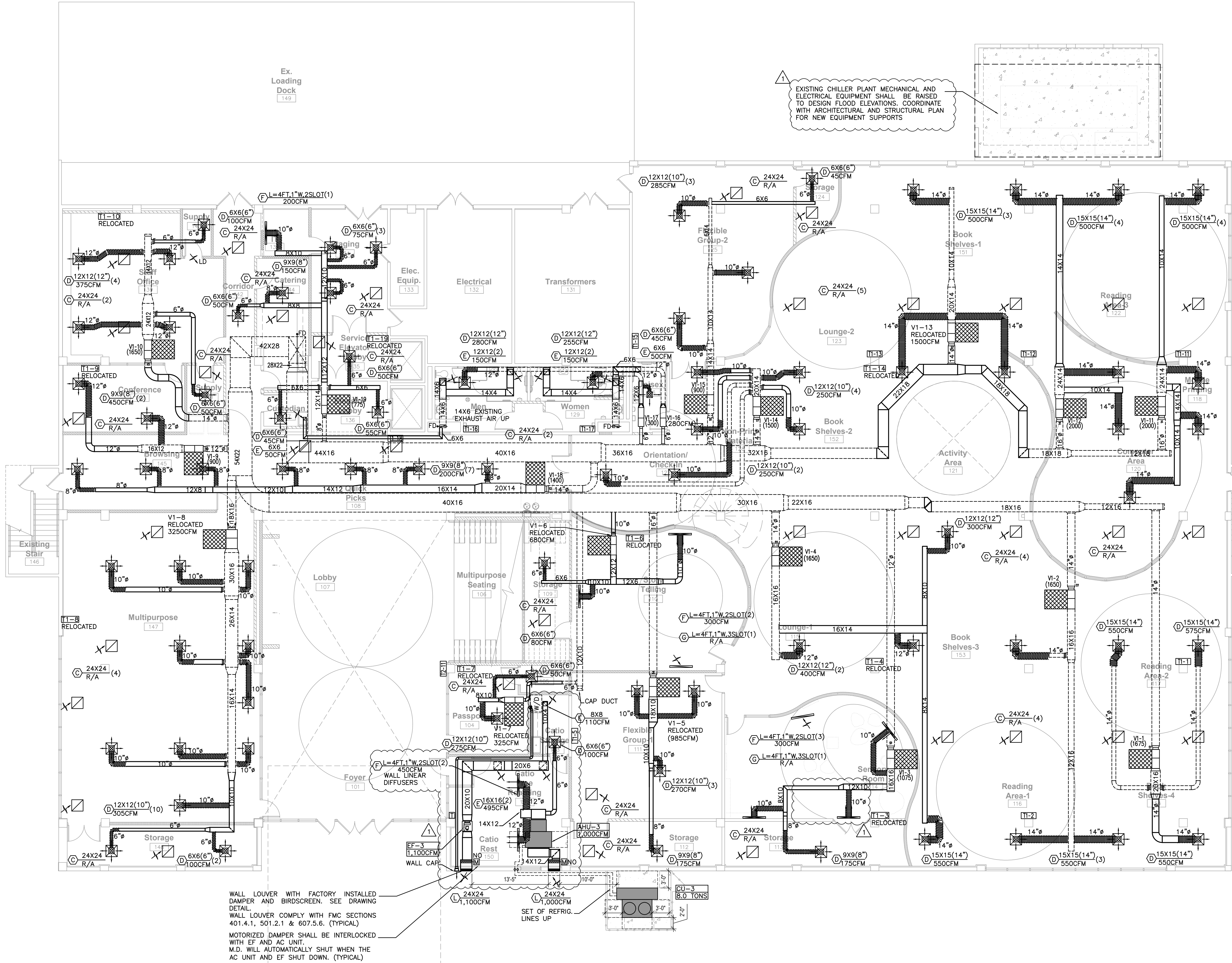
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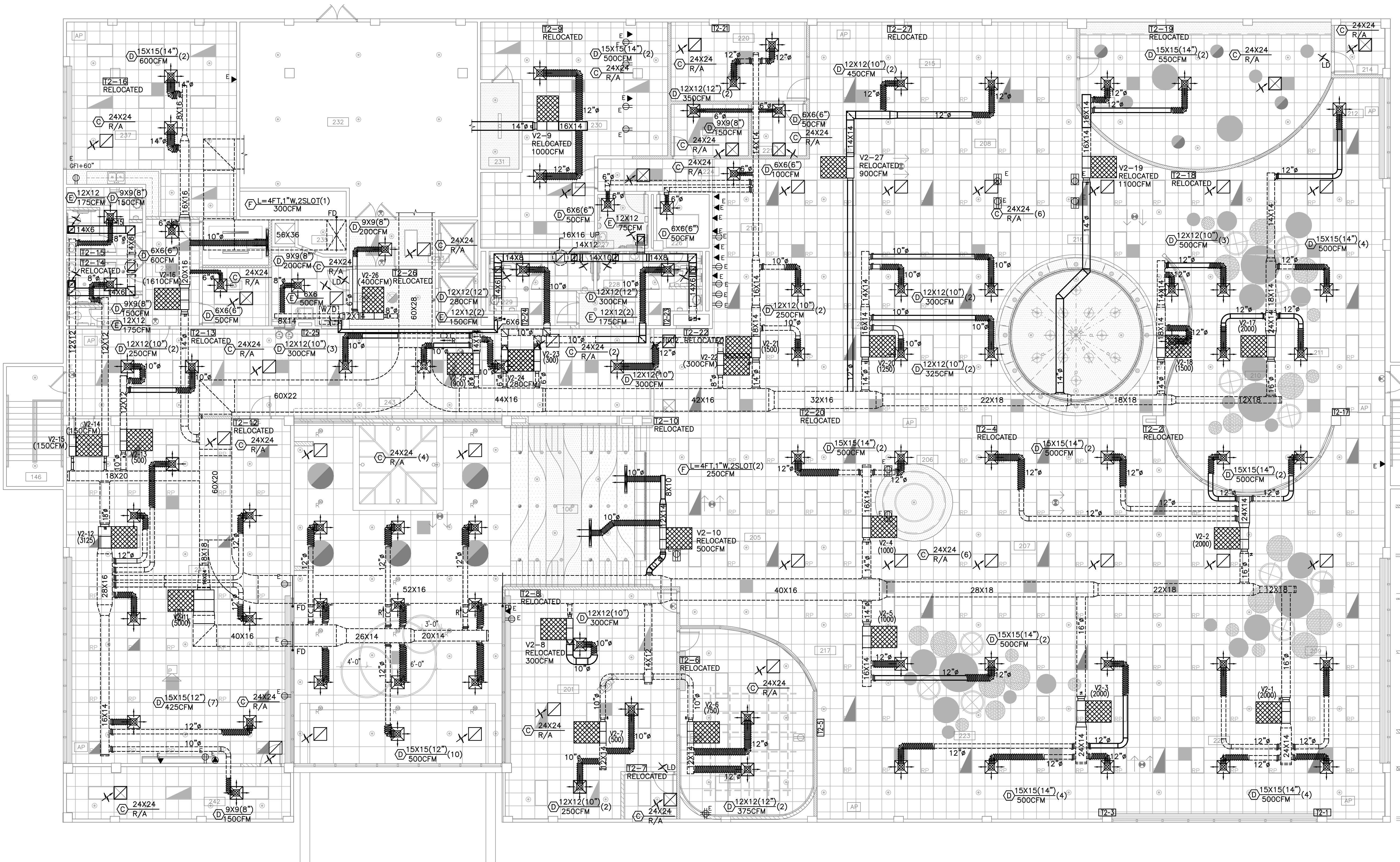
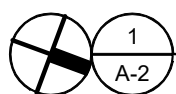
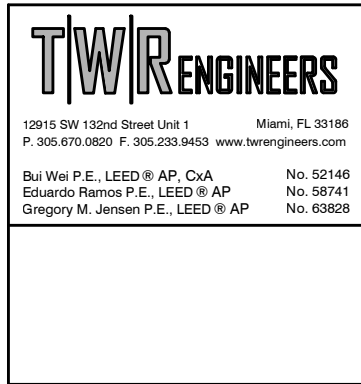
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20026
Revisions
COORDINATION 09/09/24

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H. V. A. C. GENERAL NOTES:

1. THE WORK THAT IS TO BE DONE UNDER THIS HEADING INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, PERMITS, FEES INSPECTIONS, TESTS, INSURANCE, ETC. REQUIRED FOR THE COMPLETION OF THE AIR CONDITIONING SYSTEM SHOWN ON THE DRAWINGS AND/ OR LISTED BELOW.
2. CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND SCOPE OF WORK. CONTRACTOR SHALL SUBMIT ANY DISCREPANCIES TO ARCHITECT-ENGINEER FIFTEEN (15) DAYS PRIOR TO BIDS. THE NATURE OF THIS PROJECT INVOLVES THE REMODELING OF EXISTING FACILITIES.
3. INTERRUPTION OF EXISTING FACILITIES AND/OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED WHENEVER TEMPORARY CONNECTIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICES. COORDINATE ALL INTERRUPTION OF SERVICES WITH THE OWNER'S REPRESENTATIVE.
4. VENTILATION DUCTWORK SHALL BE GALVANIZED STEEL WITH GAUGES, DUCT CONSTRUCTION, BRACING AND SUSPENSION IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE LATEST EDITION OF THE A.S.H.R.A.E. GUIDE AND S.M.A.C.N.A. STANDARDS. DUCT SIZES SHOWN ARE "INSIDE" DIMENSIONS. VERIFY EXACT LOCATION OF DUCT WITH RESPECT TO STRUCTURE BEFORE FABRICATION.
5. FLEXIBLE DUCT SHALL BE STEEL HELIX WIRE ON 7/8" CENTERS, ENCAPSULATED IN A CONTINUOUS SOFT VINYL FILM, JOINED BY MOLECULAR WELDING TO FORM AN AIR TIGHT INNER CORE, THE CORE IS TO BE INSULATED WITH FIBERGLASS INSULATION (R-6), AND SHEATHED IN A REINFORCED, ALUMINUM METALIZED POLYESTER YAPOR BARRIER JACKET. PROVIDE SPIN COLLAR WITH DAMPER AND EXTRACTOR WHERE FLEXIBLE DUCT IS CONNECTED TO RECTANGULAR DUCTWORK. DAMPER ACTUATOR SHALL BE EXTENDED OUTSIDE INSULATION.
6. ACCORDING WITH THE DRAWING AIR CONDITIONING DUCTWORK SHALL BE GALVANIZED STEEL WITH GAUGES, DUCT CONSTRUCTION, BRACING AND SUSPENSION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE LATEST EDITION OF THE A.S.H.R.A.E. GUIDE AND S.M.A.C.N.A. STANDARDS. DUCT SIZES SHOWN ARE "INSIDE" DIMENSIONS. VERIFY EXACT LOCATION OF DUCT WITH RESPECT TO STRUCTURE BEFORE FABRICATION. AIR CONDITIONING DUCTWORK SHALL BE INSULATED WITH 1-1/8", R-4.2 WRAP INSULATION.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION AND IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.
8. SUBMIT SHOP DRAWING OF ALL MATERIALS AND EQUIPMENT FOR APPROVAL PRIOR TO FABRICATION.
9. OBTAIN FULL INFORMATION REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF THE EQUIPMENT AND MATERIALS UNDER CONTRACT AND PROVIDE READY ACCESSIBILITY TO DAMPERS, VALVES AND OTHER APPARATUS, INCLUDING ANY PART OF SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.
10. CUT ALL OPENINGS AND CHASES REQUIRED TO ACCOMODATE THE WORK UNDER THIS DIVISION, AND REPAIR ALL FLOORS, WALLS, ETC., DAMAGED BY SUCH CUTTINGS. ALL WORK DONE UNDER THIS HEADING MUST CONFORM IN EVERY RESPECT TO FINISH AND QUALITY OF MATERIALS AND WORKMANSHIP SPECIFIED UNDER APPROPRIATE SECTIONS FOR THE BUILDING.
11. TEMPERATURE CONTROL SHALL BE A ROOM THERMOSTAT FOR HEATING/COOLING WITH STAGES AS REQUIRED.
12. VIBRATION ISOLATION: ALL EQUIPMENT AS PER MANUFACTURER RECOMMENDATIONS TO ELIMINATE ANY EQUIPMENT NOISE FROM BEING HEARD.
13. GUARANTEES:
 - A. ALL COMPRESSOR MOTORS ON NEW EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL HAVE A 5 YEARS PRODUCT GUARANTEE FROM DATE OF START-UP.
 - B. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN A 1 YEAR FROM DATE OF ACCEPTANCE.
14. TESTING:
 - A. ALL REFRIGERANT HIGH SIDE PIPING TO 300 PSIG. LOW SIDE TO 150 PSIG. AFTER TESTING, EVACUATE SYSTEM TO 28X MERCURY GAUGE PRESSURE WITH VACUUM PUMP. HOLD FOR 25 HOURS WITH PUMP OFF. BREAK VACUUM WITH REFRIGERANT.
15. MECHANICAL CONTRACTOR SHALL VERIFY DIRECTION OF EXISTING STRUCTURE BEFORE INSTALLATION OF EQUIPMENTS AND DUCTWORK. SHOULD ANY DISCREPANCIES BE FOUND CONTACT ARCHITECT/ENGINEER.
16. IN COMPLIANCE WITH THE FLORIDA BUILDING CODE MECHANICAL 307.2.3, PROVIDE, INSTALL AND CONNECT AN APPROVED WATER LEVEL DETECTOR OR FLOAT SWITCH TO CONTROL OVERFLOW BY AUTOMATICALLY SHUTTING DOWN EQUIPMENT UPON ACTIVATION OF DEVICE.

TEST & BALANCE

1. TESTING, ADJUSTING AND BALANCING (TAB) SHALL BE PERFORMED BY AN INDEPENDENT TEST AND BALANCE COMPANY.
2. TEST AND ADJUST AIR SYSTEMS TO DELIVER QUANTITIES AT EACH OUTLET WITHIN 10% USING ASSOCIATED AIR BALANCE COUNCIL (AABC) APPROVED PROCEDURES AND TESTS.
3. TEST AND ADJUST HYDRONIC SYSTEMS TO DELIVER QUANTITIES TO EACH CONDENSING UNIT WITHIN 10% USING AABC APPROVED PROCEDURES AND TESTS.
4. SUBMIT BALANCE TEST RESULTS TO ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO FINAL INSPECTION.

AIR DISTRIBUTION DEVICE SCHEDULE				
SYMBOL	USE	TYPE	ACCESSORIES	MANUFACTURER & MODEL
(A)	SUPPLY AIR	SIDE WALL	AG-35-AA	TITUS 272FS
(B)	SUPPLY AIR	CLG DIFFUSER	AG-15	TITUS 250 AA
(C)	RETURN AIR	CLG/WALL GRILLE	-	TITUS 3FL
(D)	SUPPLY AIR	CLG DIFFUSER	AG-75	TITUS TMRA AA
(E)	EXHAUST AIR	CLG/WALL REGISTER	AG-35-AA	TITUS 3FLD
(F)	SUPPLY AIR	LINEAR DIFFUSER	MP-39	TITUS ML-39
(G)	RETURN AIR	LINEAR RETURN	-	TITUS MRL-39
(L)	EXHAUST/OA INTAKE	WALL LOUVER	BIRDSCREEN	GREENHECK EHH-601D WITH VCD-40 DAMPER MIAMI DADE NOA # : 17-0919.05

NOTE:
1-DIFFUSER, REGISTER, AND GRILLES MUST BE FACTORY PRIMED FOR CUSTOM FINISH PAINTING BY OTHERS.
COORDINATE WITH ARCHITECT'S PAINTING SPECIFICATION.
2-REGISTER TAGGED WITH LETTER "A" SHALL BE DOUBLE DEFLECTION WITH 45° BLADES IN VERTICAL.
3-EXHAUST/INTAKE W.P. LOUVER SHALL BE DADE COUNTY PRODUCT APPROVED.
4-SEE PLANS FOR LOCATION & SIZES

SYMBOL		DESCRIPTION
		NEW DUCTWORK – 1 ST FIGURE SIDE SHOWN, 2 ND FIGURE SIDE NOT SHOWN
		EXISTING DUCTWORK
		EXISTING DUCTWORK TO BE REMOVED
		DUCTWORK WITH INTERNAL ACOUSTIC LINING
		DUCT SIZE TRANSITION
		MANUAL VOLUME DAMPER
		DUCT UNDER POSITIVE PRESSURE – /SUPPLY AIR OR FAN DISCHARGE/
		DUCT UNDER NEGATIVE PRESSURE – /RETURN, EXHAUST OR OUTSIDE AIR/
UC		UNDERCUT DOOR
		POINT OF CONNECTION/DISCONNECTION
		THERMOSTAT/HUMIDISTAT
		SMOKE DETECTOR/HEAT DETECTOR
CD		CONDENSATE DRAIN PIPE

HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR	X	
FIRE DAMPER'S		X
SMOKE DAMPER'S		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF / FLOOR		X
CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

VENTILATION FAN SCHEDULE										
FAN No	SERVICE	CAPACITY		FAN RPM	DRIVE	MOTOR		MANUFACTURER AND MODEL	CONTROL	ACCESSORIES
		CFM	IN WG			H.P.	ELECTRICAL DATA (V Ø/Hz)			
EF-3	CATIO AREA (GROUND LEVEL)	1100	0.5	1725	B	1/4	115/1/60	GREENHECK BSQ-130-4	CONTINUOUS	A C D E J L
A BACKDRAFT DAMPER G WALL MOUNT COLLAR/BRACKET B FACTORY PREFAB CURB W/ EXTENSION H MOTOR COVER C DISCONNECT SWITCH I DISCHARGE SHUTTER D BIRDSCREEN W/ BD DAMPER J HANGING VIB. SPRING ISOLATOR E MOTORSIDE GUARD K ACCESS DOORS F SMOKE DETECTOR L BELT GUARD										

AIR COOLED 100% OA SPLIT SCHEDULE	
Qty	1
Primary Tag	AHU-3 / CU-3
Model	MAOA / MCOA
Description	MCOA - MAOA - 100% OA Split System for Make-Up Air
Unit Size	96
Airflow	1000
Unit Nomenclature	MCOA0096
TSP	0.66
ESP	0.5
Motor RPM	1087
Fan Motor BHP	0.16
EAT DB	92
EAT WB	80
LAT DB	53
LAT WB	52.5
Sensible Capacity	43.6
Total Capacity	98.4
Air PD	0.13
Rows	6
Electric Heat (KW)	10
CU/AHU Length (in)	62.25/62.88
CU/AHU Width (in)	86.25/60.5
CU/AHU Height (in)	54.5/33.63
CU/AHU Weight (lb)	1225/1085
Unit MCA (CU/AHU)	20.8/20.75
Unit MFS (CU/AHU)	25/25
Unit Voltage	460-3-60
EER/MRE	13.6/6.86

BASIS OF DESIGN: ADDISON

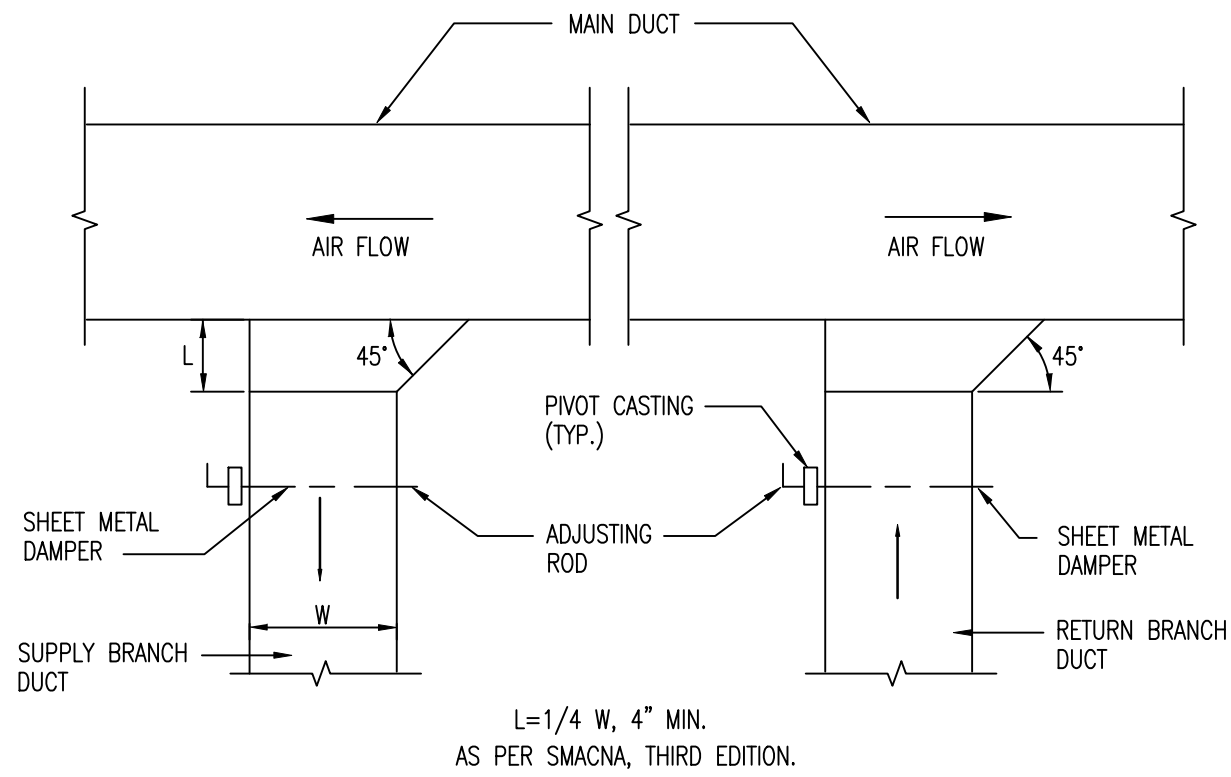
- AHU MUST BE G90 GALV STL DOUBLE WALL CONSTRUCTION FOAM INJECTED R-13 INSULATION 2"
- PROVIDE HURRICANE WIND RATING CERTIFICATION AS REQUIRED
- PROVIDE COILS WITH COPPER TUBE WITH ALUMINUM FINS AND STAINLESS STEEL DRAIN PAN
- CASING SHALL BE CONSTRUCTED OF G90 GALVANIZED STEEL WITH POLYESTER EXTERIOR FINISH STD 2,500
- PROVIDE HURRICANE WIND RATING CERTIFICATION AS REQUIRED
- MODULATING HOT GAS REHEAT, HEAD PRESSURE CONTROLS, ECM COND FAN, AND ELECTRONIC VALVE
- PROVIDE CORROSION PROTECTION COATING ON ALL COILS 10,000 HR SALT SPRAY TEST
- 2" MERV 8 FILTERS, LEAD COMPRESSOR TO BE VARIABLE SPEED VFD COMPRESSOR. (DIGITAL SCROLL NOT ACCEPTABLE)
- PROVIDE DIRECT DRIVE PLENUM SUPPLY FAN ECM OR VFD WITH SPRING ISOLATION
- PROVIDE SELF CONTAINED CONTROLS WITH DOAS SEQUENCE STANDALONE CONTROLS
- PIPING TO BE DONE AS PER MANUFACTURERS RECOMMENDATIONS
- CONTACT: BIDS@INTEGRATEDCOOLING.COM or 305-406-9758

TW/R ENGINEERS

12915 SW 132nd Street Unit 1 Miami, FL 33186
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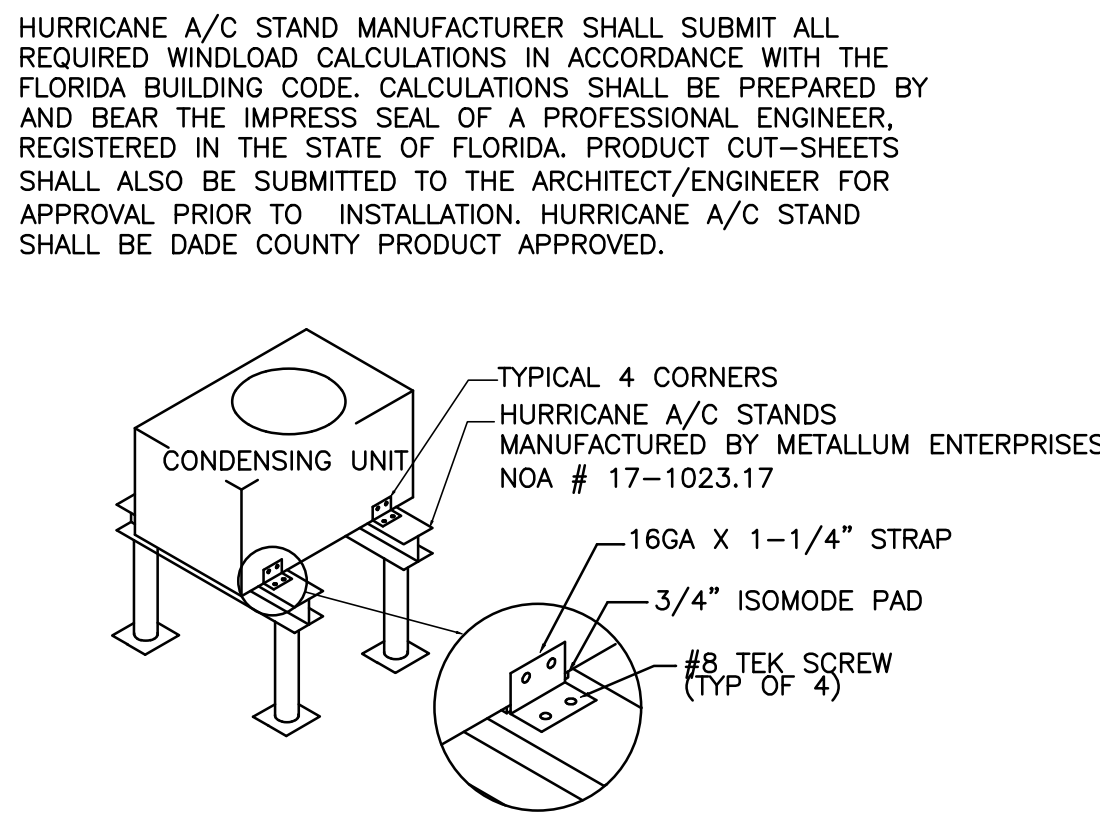
Bu Wei P.E., LEED® AP, CoA
Eduardo Rios P.E., LEED® AP
Gregory M. Jensen P.E., LEED® AP

No. 521446
No. 50741
No. 635208



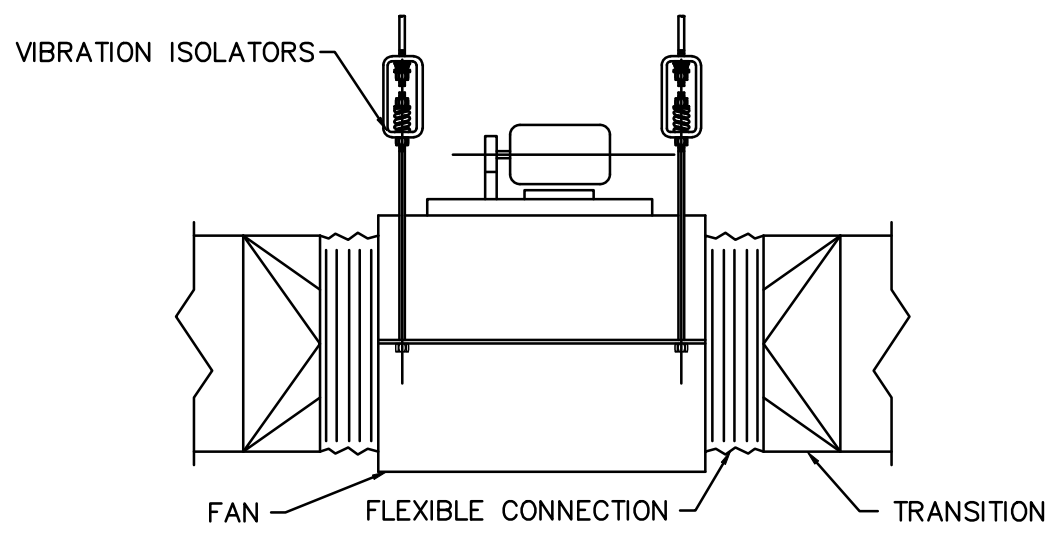
DUCT BRANCH TAKE OFF DETAIL
FOR LOW PRESSURE DUCTWORK

SCALE: N.T.S.



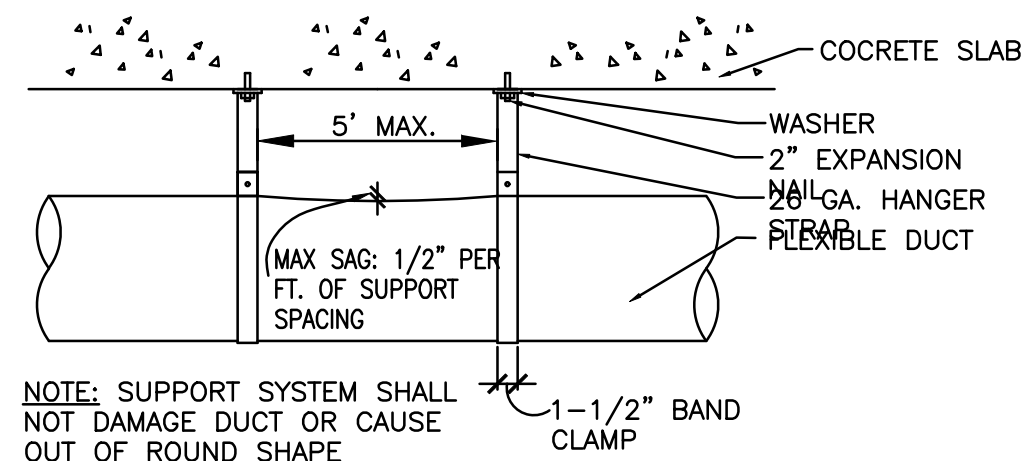
CONDENSING UNIT MOUNTING
DETAIL

SCALE: N.T.S.



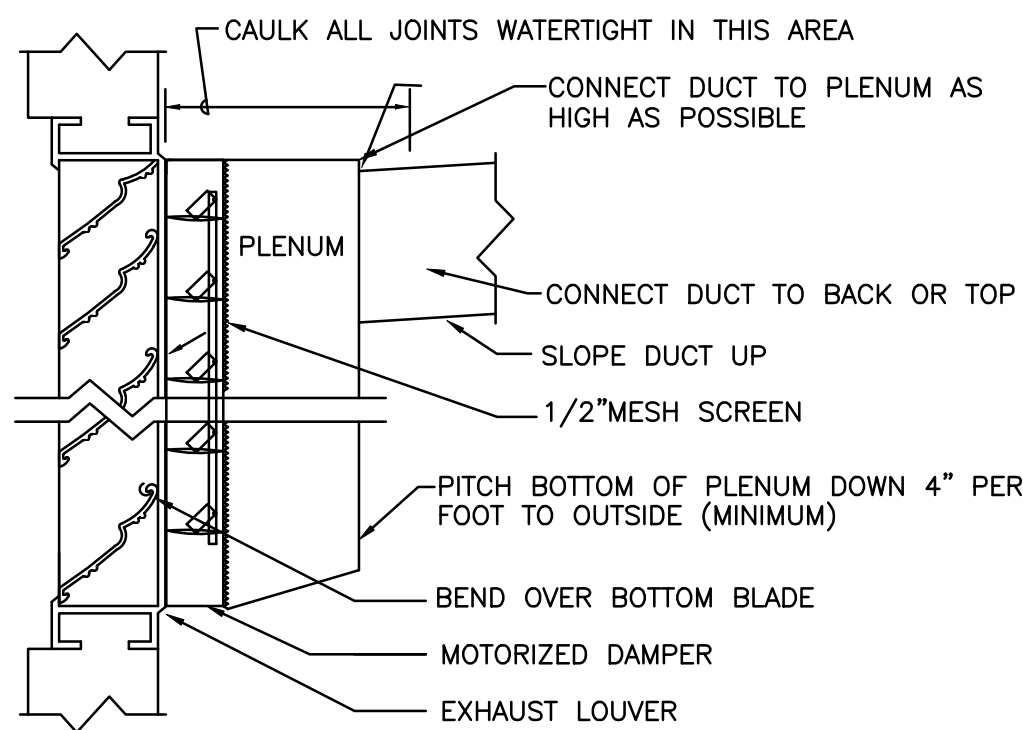
INLINE FAN SUPPORT DETAIL

SCALE: N.T.S.



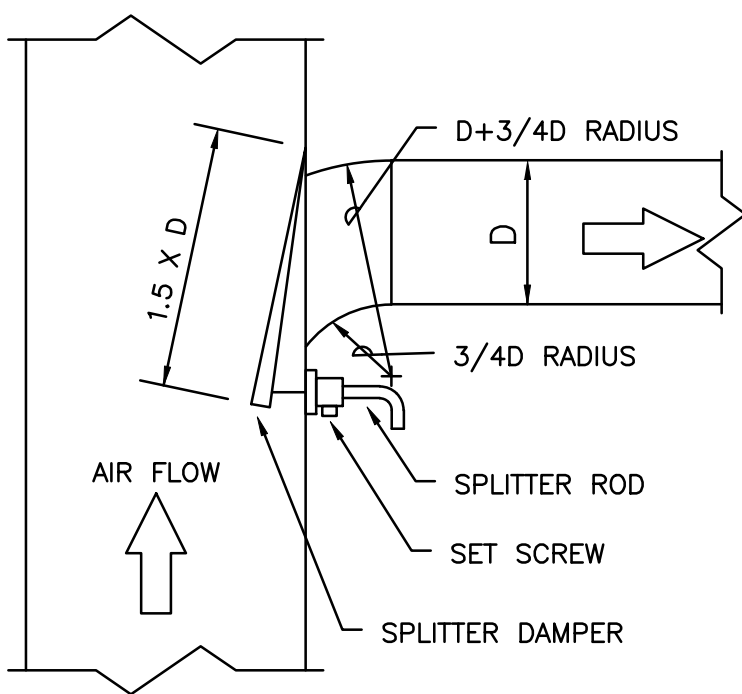
FLEXIBLE DUCT SUPPORT DETAIL

SCALE: N.T.S.



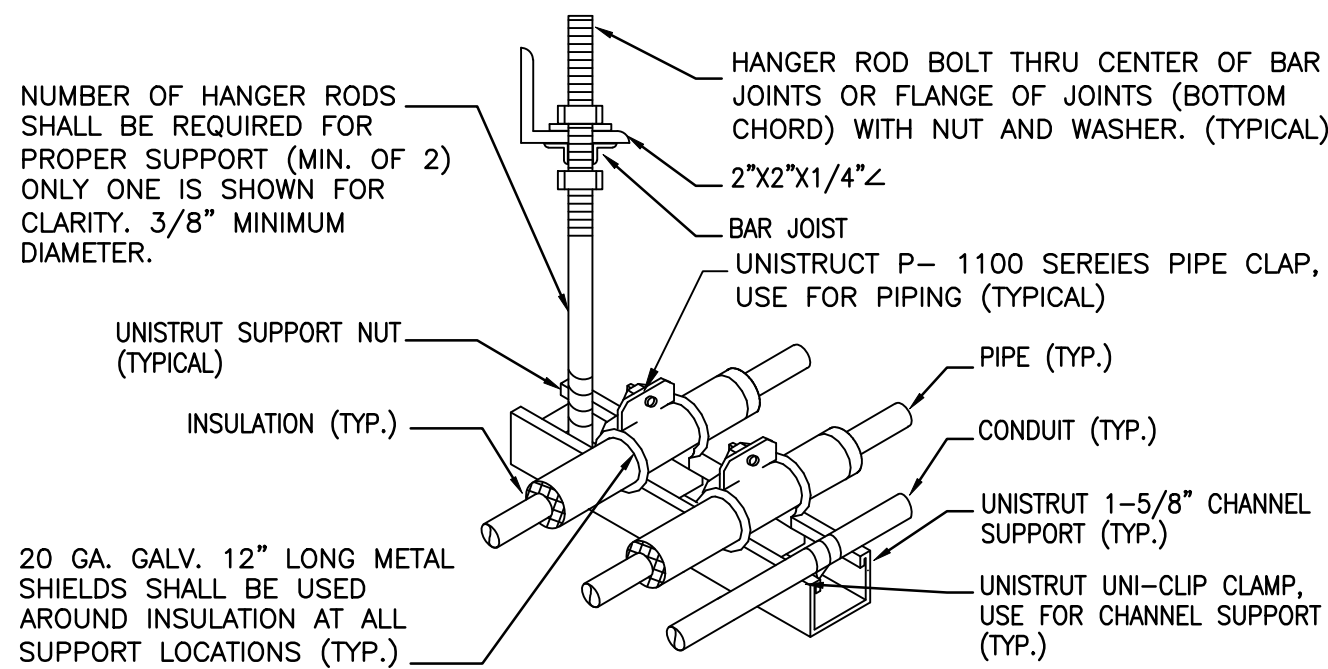
OUTSIDE LOUVER WITH
MOTORIZED DAMPER

SCALE: N.T.S.



TYPICAL SMALL BRANCH
TAKE-OFF DETAIL

SCALE: N.T.S.

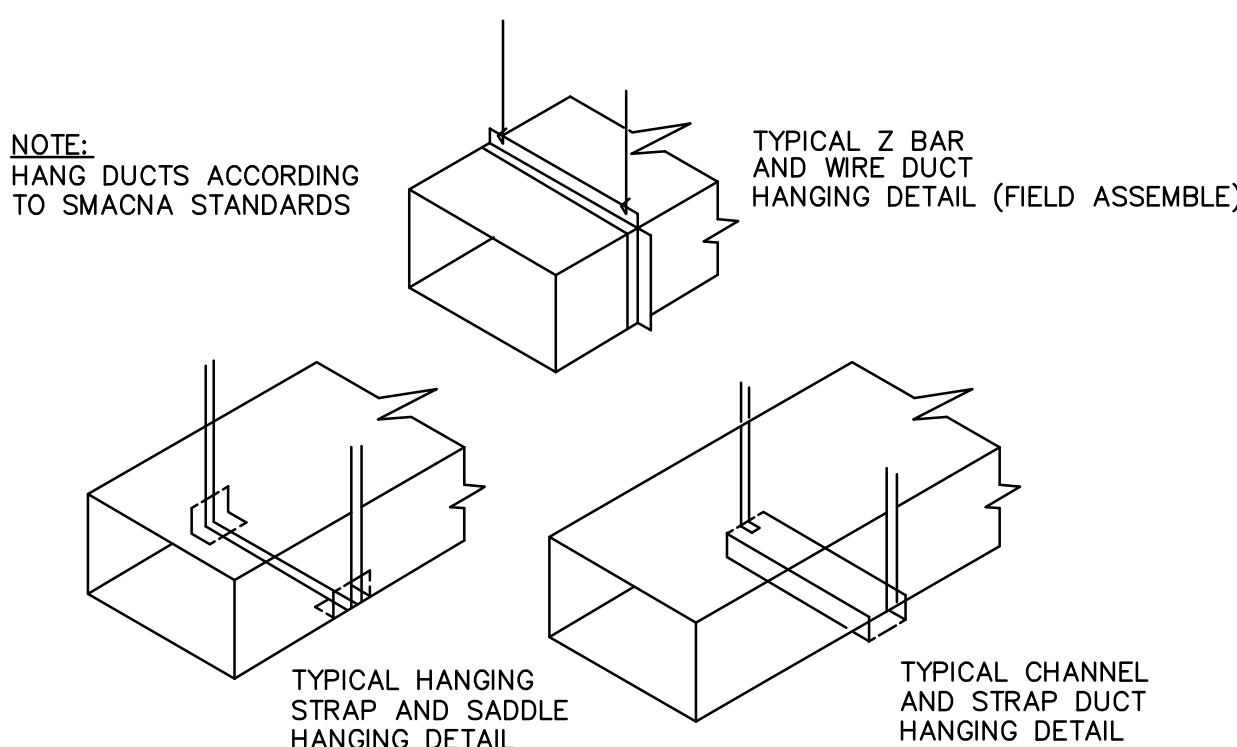


MAXIMUM PIPE / TUBING SUPPORT SPACING, FEET					
NOM. SIZE	THRU 3/4"	1	1-1/4"	1-1/2"	2
CUPPER PIPE	5 FT	6	7	8	8

NOTE:
1. ALL PIPE CONDUIT, ETC. OF ALL TRADES SHALL BE COMBINED ON SAME SUPPORT CHANNEL WHERE PRACTICAL.
2. SUPPORT CHANNEL LENGTH SHALL NOT BE DETERMINED UNTIL ALL PIPING, CONDUIT, ETC. TO BE SUPPORTED IS COORDINATED.

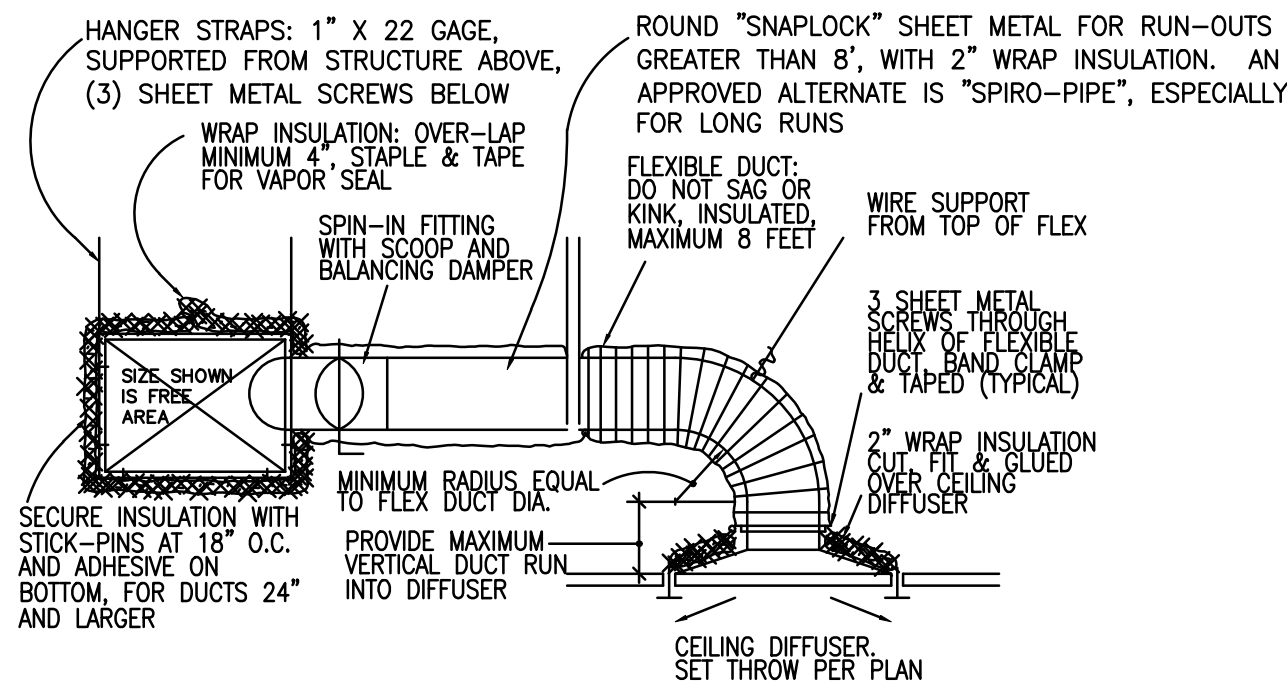
PIPING SUPPORT ABOVE CEILING
INSTALLATION DETAIL

SCALE: N.T.S.



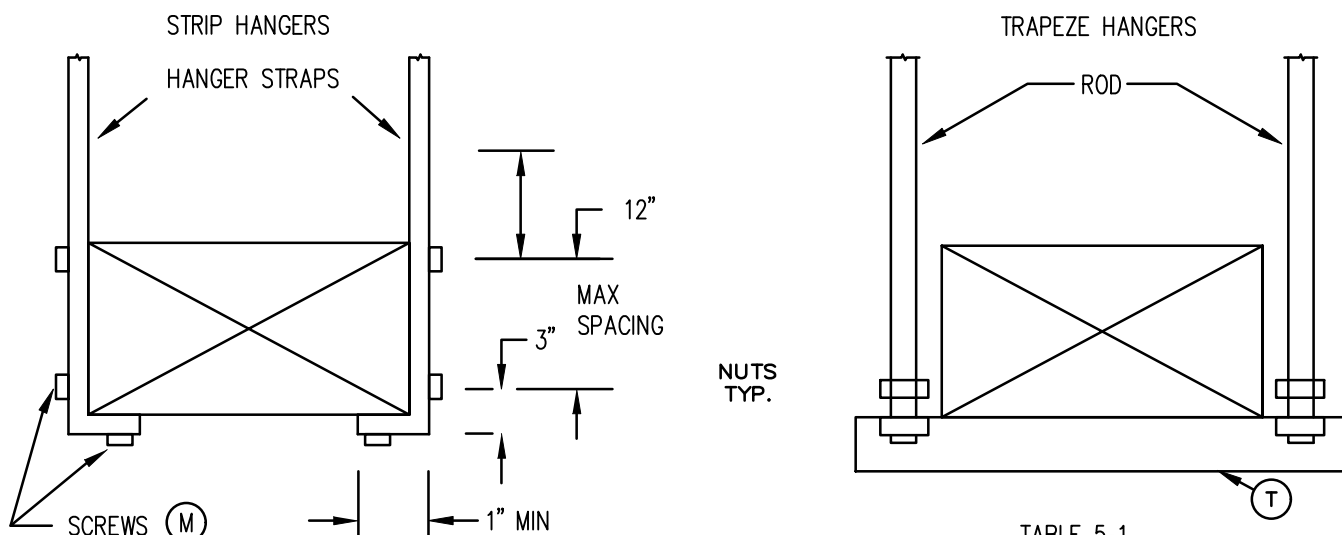
METHODS OF HANGING
DUCTS DETAIL

SCALE: N.T.S.



TYPICAL CEILING DIFFUSER
WITH FLEXIBLE DUCT

SCALE: N.T.S.

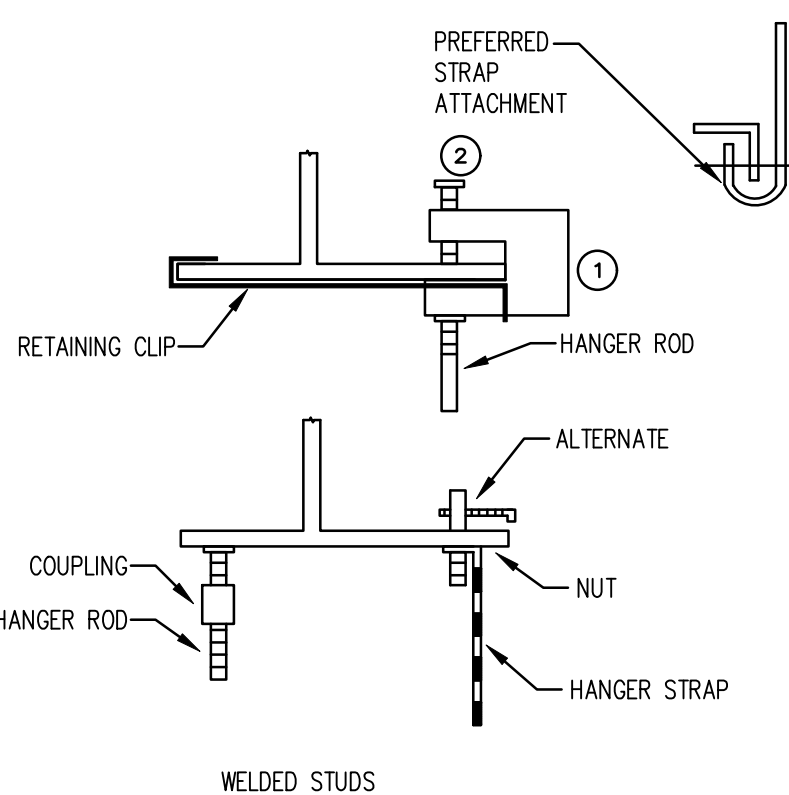


UPPER AND LOWER
HANGER ATTACHMENTS DETAILS

SCALE: N.T.S.

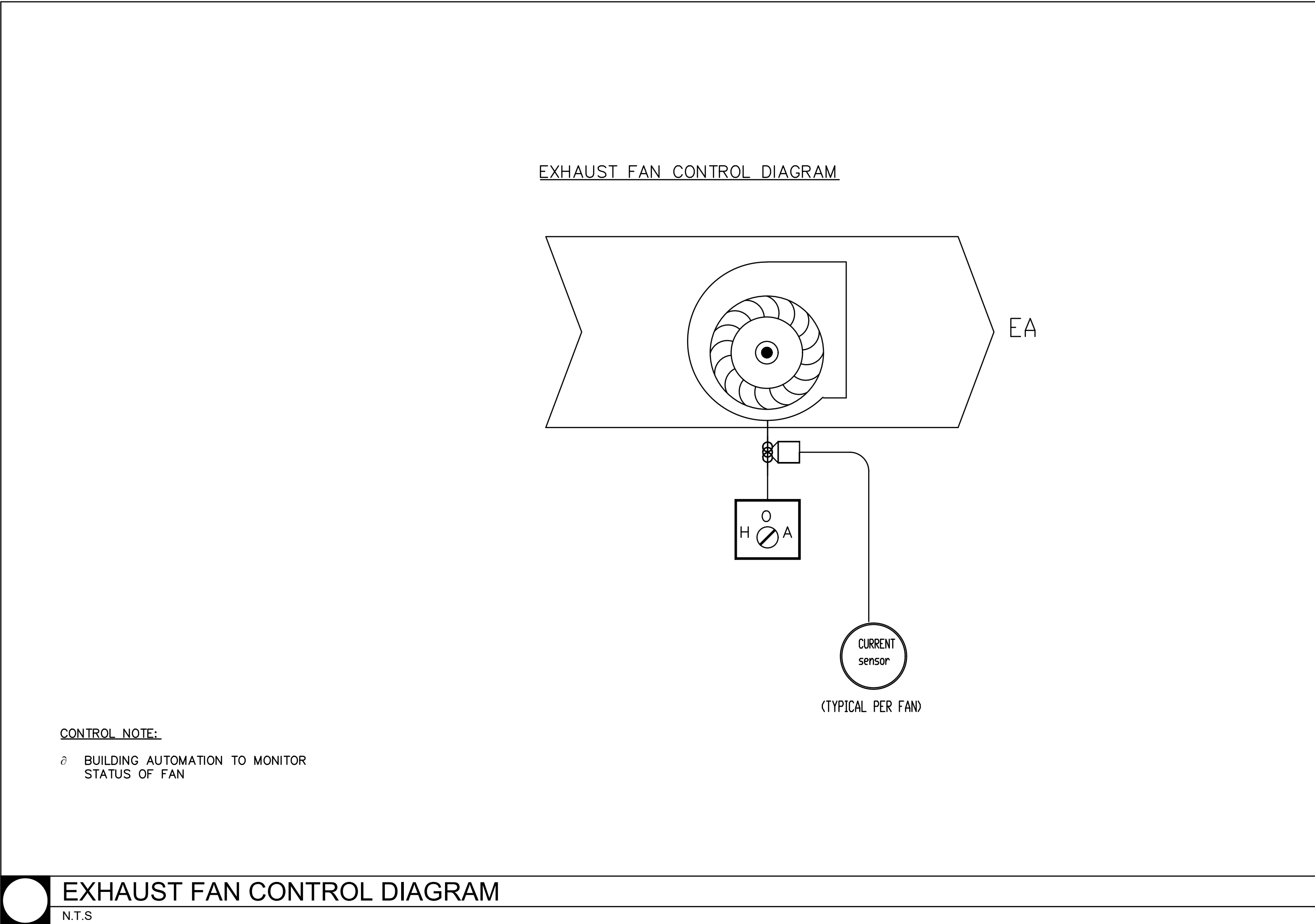
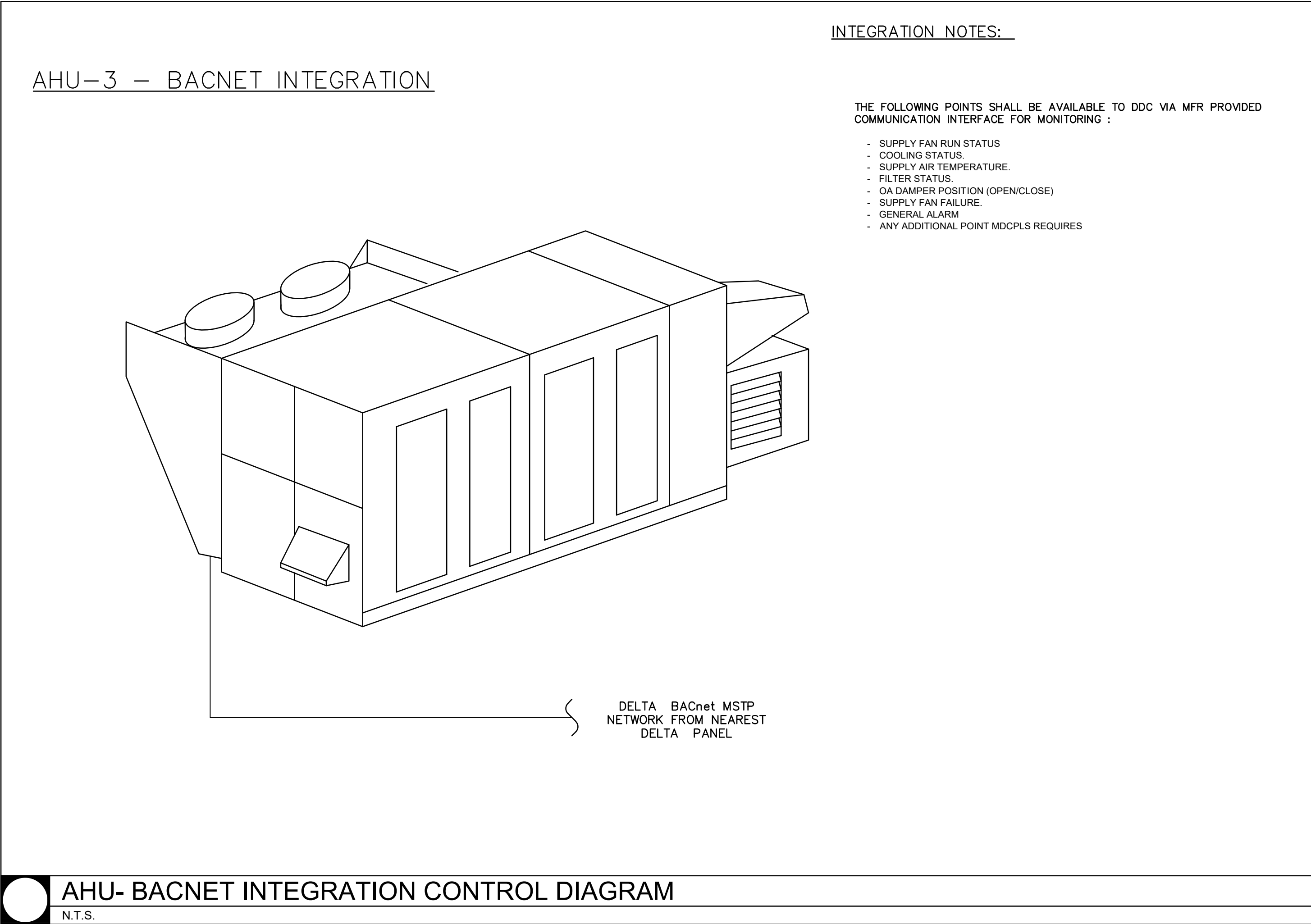
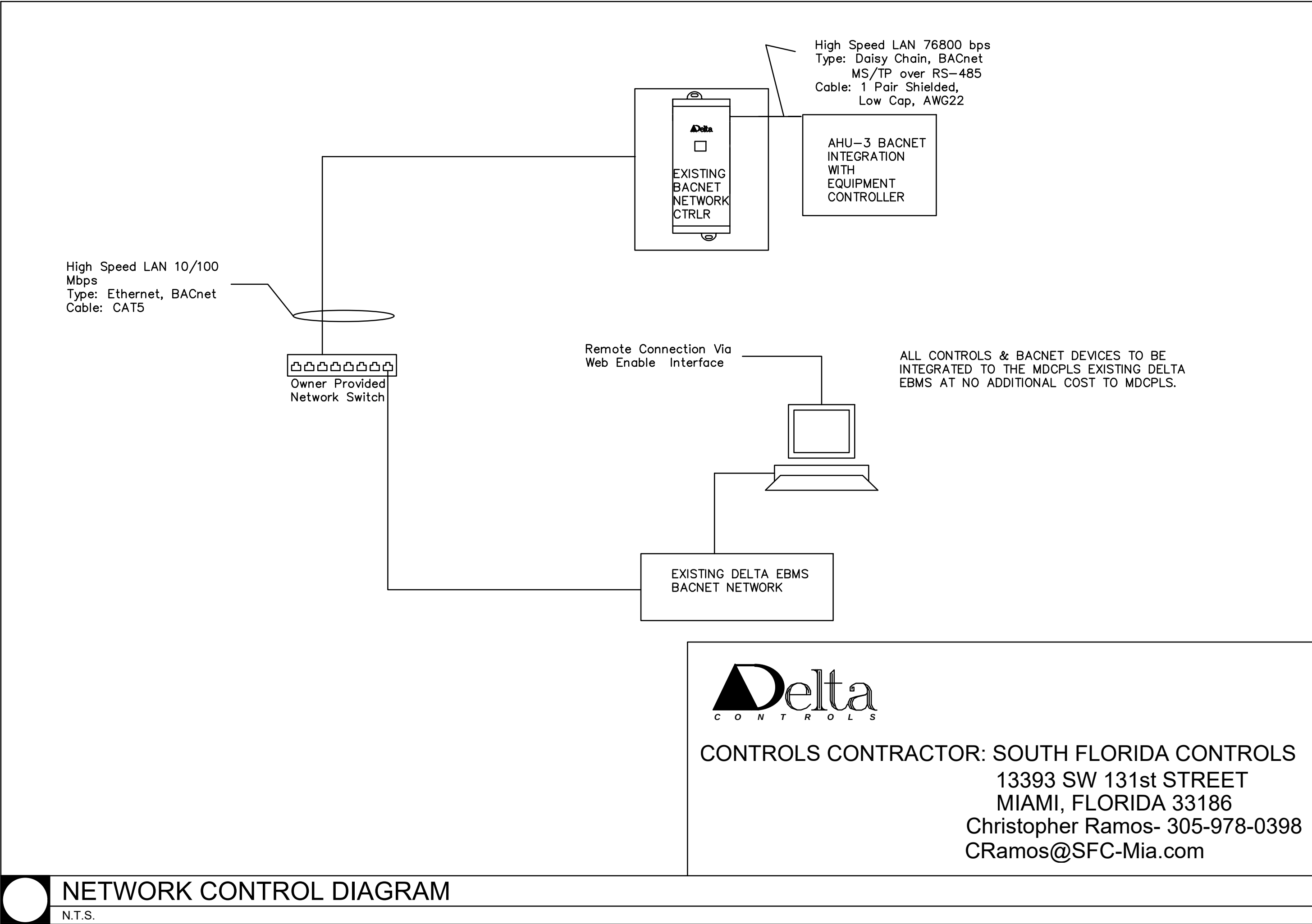
MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT SPACING		PAIR AT 8 FT SPACING		PAIR AT 5 FT SPACING		PAIR AT 4 FT SPACING	
	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP	ROD	STRAP	ROD
D = 30"	1"x22 GA.	10 GA (135°)	1"x22 GA.	10 GA (135°)	1"x22 GA.	10 GA (135°)	1"x22 GA.	12 GA (106°)
D = 72"	1"x18 GA.	3/8"	1"x20 GA.	1/4"	1"x22 GA.	1/4"	1"x22 GA.	1/4"
D = 96"	1"x16 GA.	3/8"	1"x18 GA.	3/8"	1"x20 GA.	3/8"	1"x22 GA.	1/4"
D = 120"	1.5"x16 GA.	1/2"	1"x16 GA.	3/8"	1"x18 GA.	3/8"	1"x20 GA.	1/4"
D = 168"	1.5"x16 GA.	1/2"	1.5"x16 GA.	1/2"	1"x16 GA.	1/2"	1"x18 GA.	3/8"
D = 192"	--	1/2"	1.5"x16 GA.	1/2"	1"x16 GA.	1/2"	1"x16 GA.	3/8"
D = 163" UP	SPECIAL ANALYSIS REQUIRED							

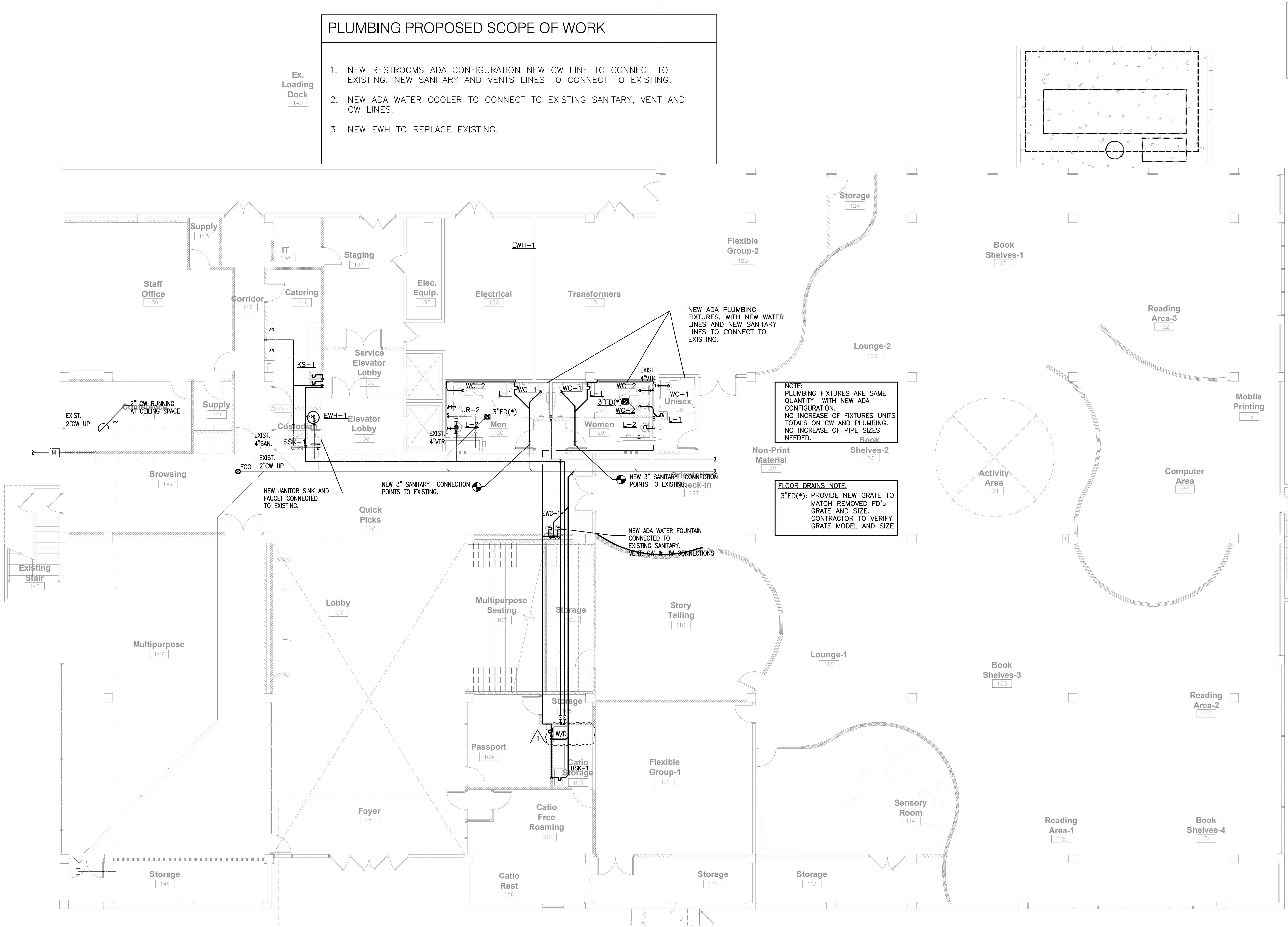
AS PER SMACNA TABLE 5-1 & FIG. 5-5 FOURTH EDITION (2020)



TYPICAL HORIZONTAL AHU DETAIL

SCALE: N.T.S.





John Roberts Forbes
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Cutler Bay, FL 33189

Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

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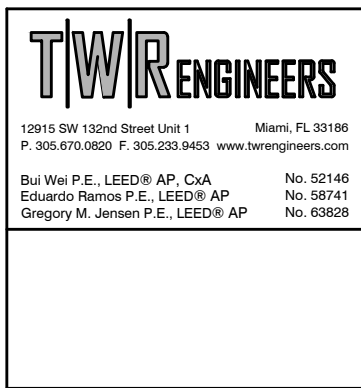
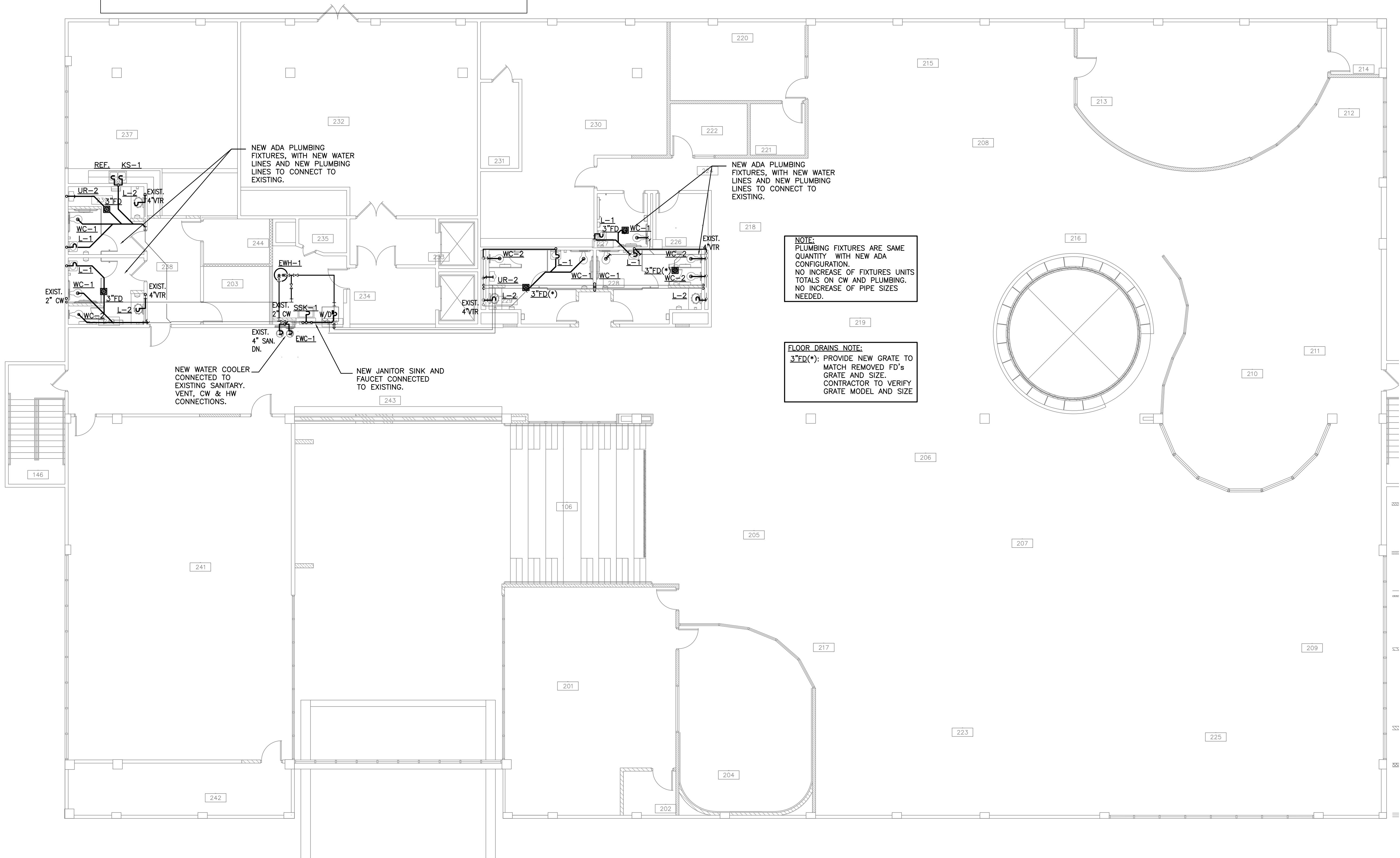
Date
05-22-23
Commission
20026
Revisions
COORDINATION 09/09/24

Sheet

P-1
of

PLUMBING PROPOSED SCOPE OF WORK

1. NEW RESTROOMS ADA CONFIGURATION NEW CW LINE TO CONNECT TO EXISTING. NEW SANITARY AND VENTS LINES TO CONNECT TO EXISTING.
2. NEW ADA WATER COOLER TO CONNECT TO EXISTING SANITARY, VENT AND CW LINES.
3. NEW EWH TO REPLACE EXISTING.



Date

05/22/2023

Commission

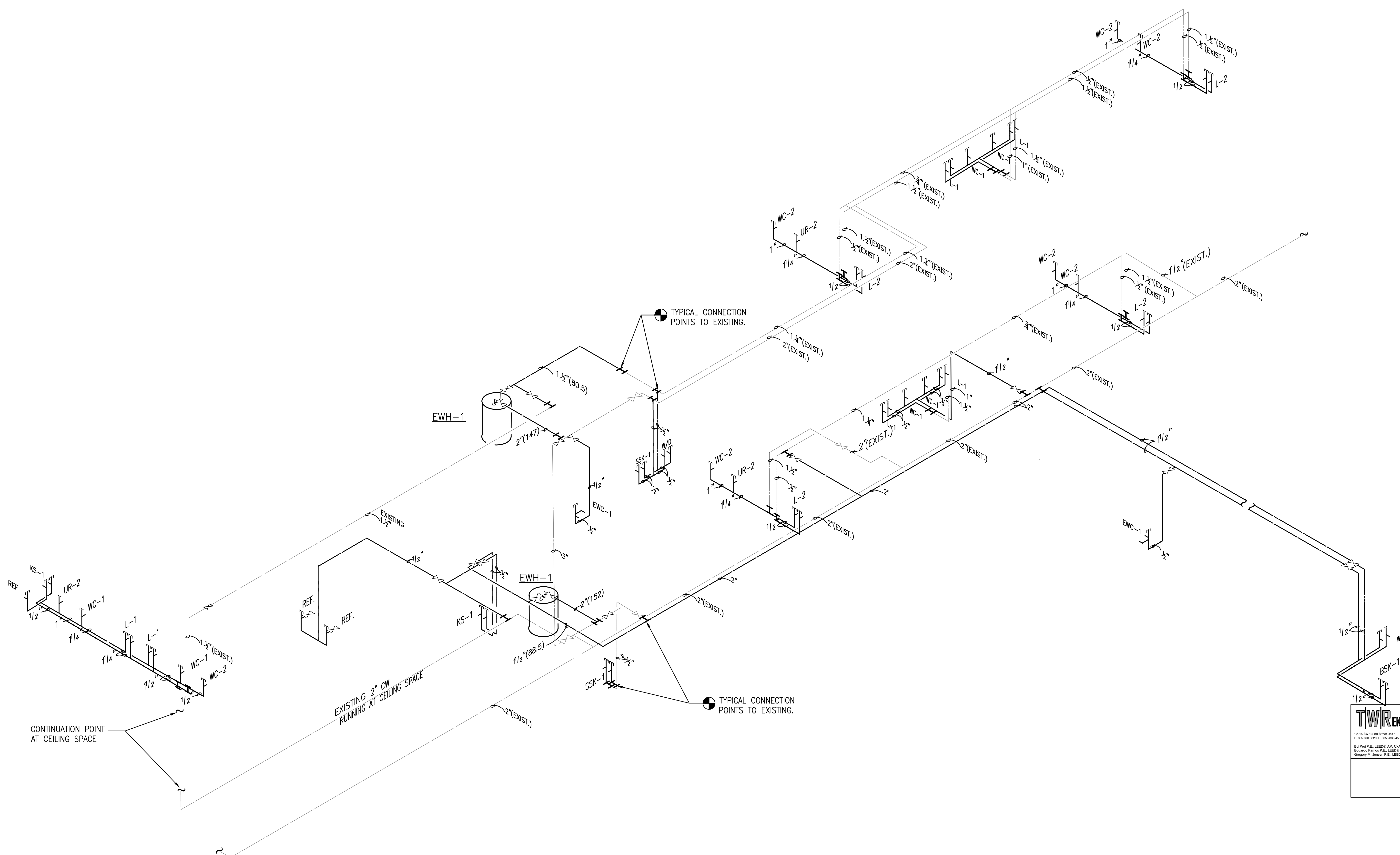
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Sheet

P-2





1 WATER RISER N.T.S.

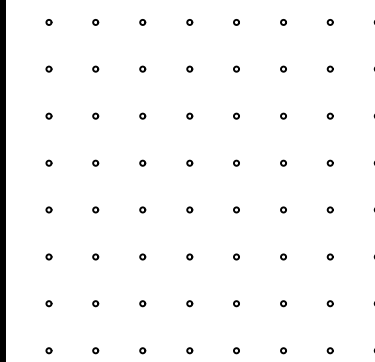
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Bu Wai P.E., LEED® AP, CMA No. 02146
Edward Thomas P.E., LEED® AP No. 02141
Gregory M. Jansen P.E., LEED® AP No. 03028

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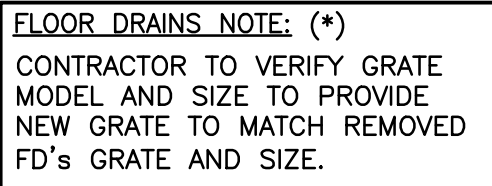
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Revisions
1 COORDINATION 09/09/24

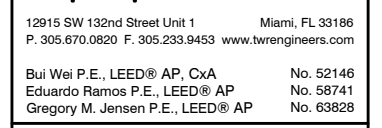
1. GROUP RESTROOMS TO BE REMOVED. REMOVE EXISTING PLUMBING FIXTURES. CAP WATER LINES AND REMOVE EXISTING CW. CAP SANITARY LINES AND VENT AND REMOVE TO CONNECT TO NEW RESTROOM ADA CONFIGURATION.
2. EXISTING WATER COOLER TO BE REPLACED. CAP WATER, SANITARY AND VENT. LINES.
3. EXISTING WATER HEATER TO BE REPLACED CAP CW & CH CONNECTIONS.
3. EXISTING SERVICE SINKS & CABINETS TO BE REMOVED AS PER PLANS. CAP SANITARY, VENT AND CW CONNECTIONS.



A 10x10 grid of dots, representing a 100-point scale. The dots are arranged in 10 rows and 10 columns, forming a square pattern.

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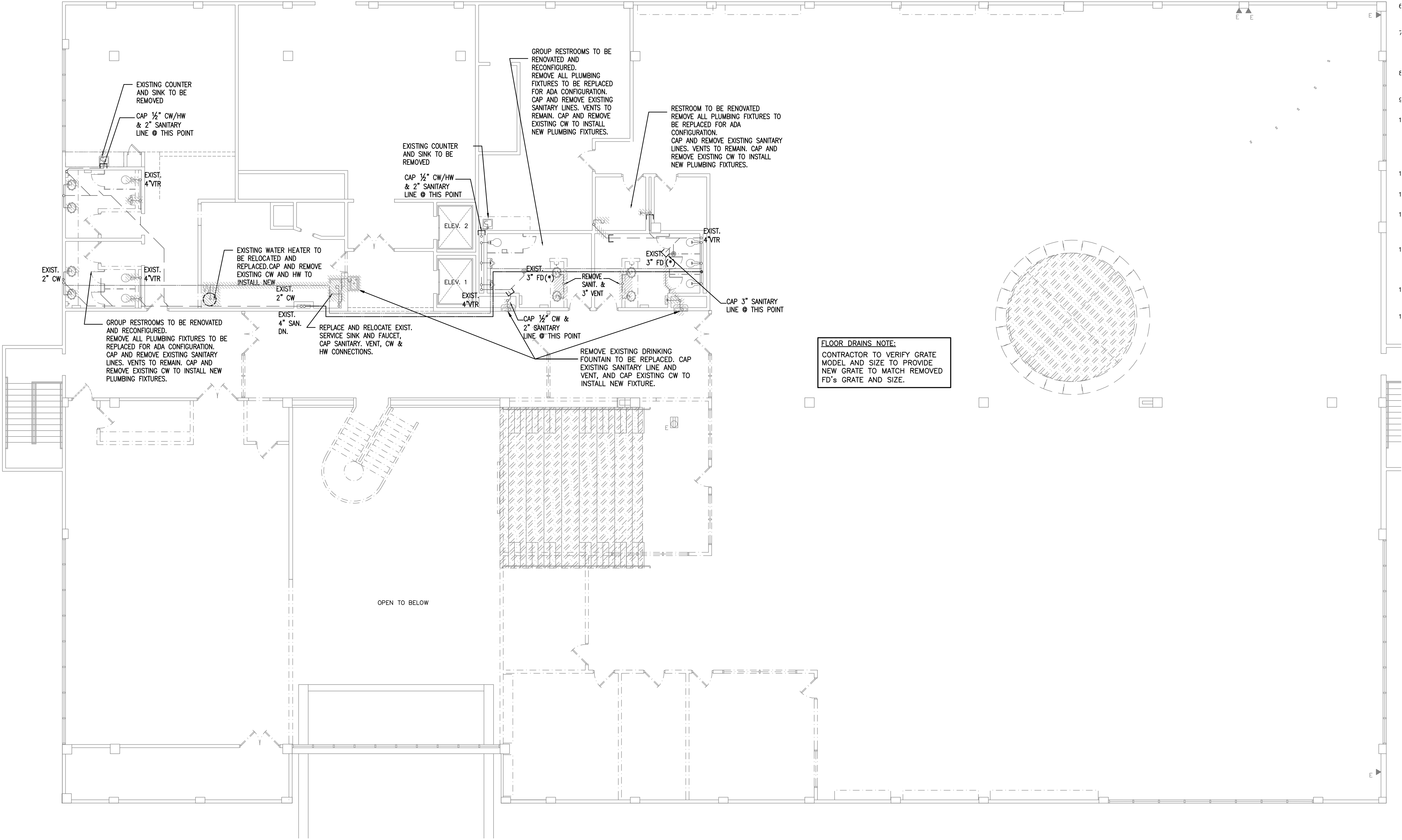
Owner:



7

PLUMBING DEMOLITION SCOPE OF WORK

1. GROUP RESTROOMS TO BE REMOVE. REMOVE EXISTING PLUMBING FIXTURES. CAP WATER LINES AND REMOVE EXISTING CW. CAP SANITARY LINES AND VENT AND REMOVE TO CONNECT TO NEW RESTROOM ADA CONFIGURATION.
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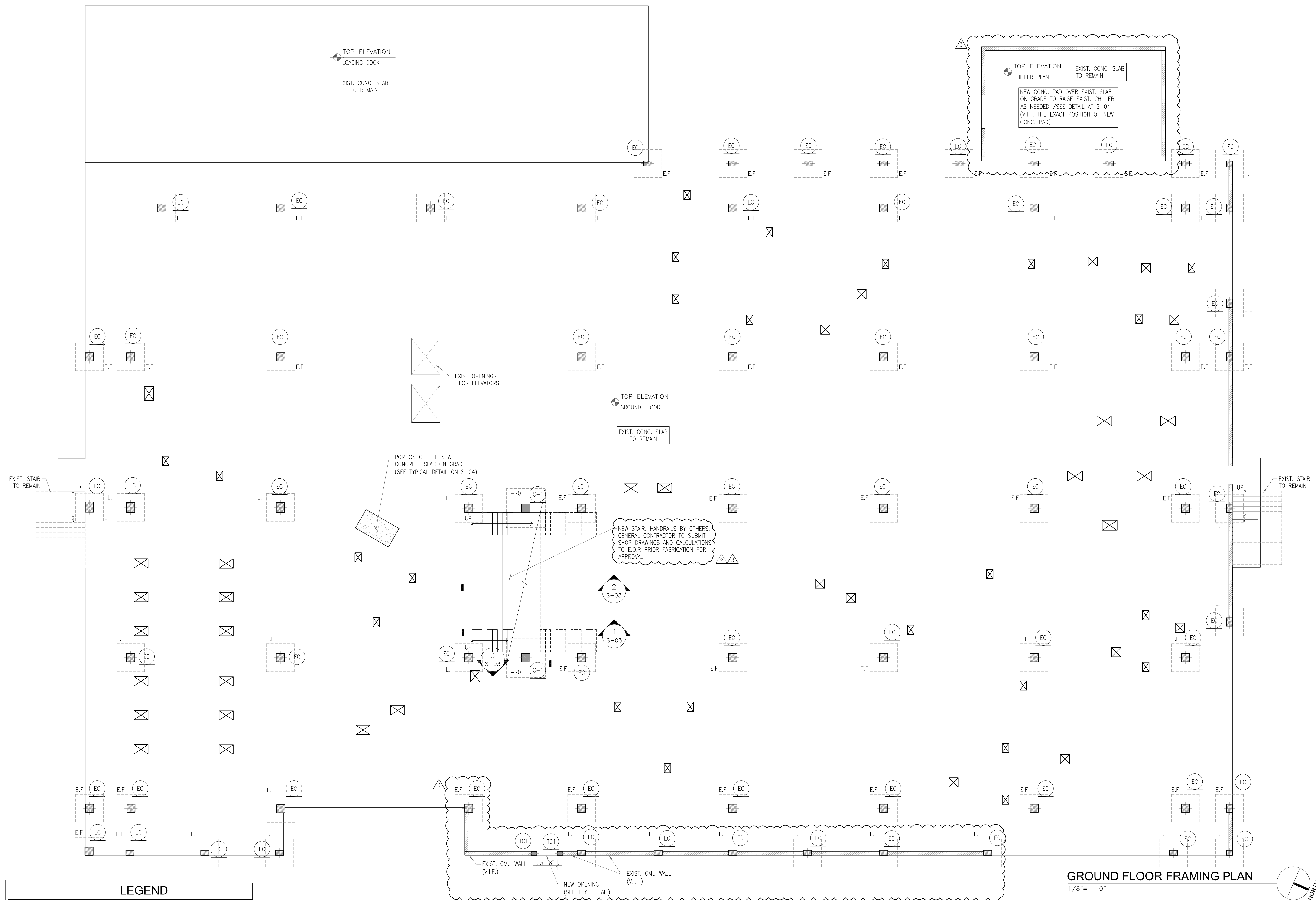
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PD-2



LEGEND	
	DENOTES AN EXIST. CMU WALL TO REMAIN
	DENOTES AN EXISTING FOUNDATION TO REMAIN
	DENOTES AN EXIST. CONC. COLUMN
	DENOTES A NEW CONC. COLUMN
	DENOTES A COLUMN STARTING AT THIS LEVEL
	DENOTES AN EXIST. CONC. COLUMN
	DENOTES AN RECESSED FLOOR BOX (SEE ARCHITECTURAL PLANS)

NOTES:

- 1-GENERAL CONTRACTOR SHALL SUBMIT SIGNED & SEALED CALCULATIONS AND SHOP DWG'S BY A FLORIDA DELEGATED PROFESSIONAL ENGINEER FOR SHORING & BRACING OF EXISTING STRUCTURES TO REMAIN.
- 2-DIMENSIONS SHOWN SHALL BE FIELD-VERIFIED. ANY DISCREPANCIES SHALL BE NOTED AND THE ENGINEER OF RECORD NOTIFIED BEFORE CONTINUING WITH THE WORK.
- 3-FOR DEMOLITION WORK SEE DEMOLITION PLANS ON ARCH. DWGS.
- 4-THE ELECTRICAL BOXES MUST BE LOCATED IN BETWEEN OF THE CONCRETE JOIST.

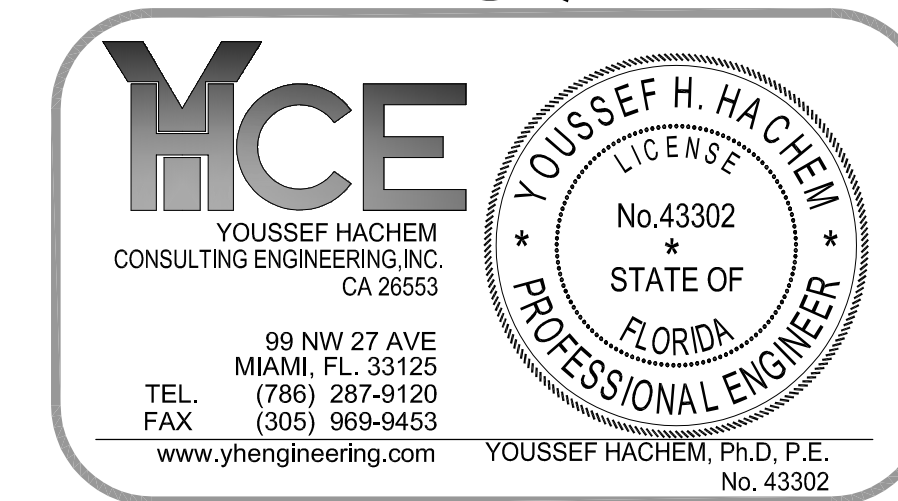
ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATIONS THROUGH STRUCTURAL MEMBERS SHALL BE SUBMITTED TO E.O.R. AND APPROVED BY E.O.R. & ARCHITECT PREVIOUS TO CONSTRUCTION PHASE AND SHALL BE COORDINATED BY THE GENERAL CONTRACTOR ACCORDINGLY. GENERAL CONTRACTOR SHALL VERIFY THE LOCATION AND DIMENSIONS OF EQUIPMENTS BY SPECIFIC VENDOR PRIOR TO INSTALLATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ADEQUACY OF EQUIPMENT WEIGHTS WITH STATED LOADS USED FOR STRUCTURAL DESIGN, IF LOADS EXCEED THOSE, G.C. WILL BE RESPONSIBLE FOR UPDATING THE DESIGN WITH E.O.R. ACCORDINGLY. PERMITTING TASKS AND TIMELINE COMPLIANCE ASSOCIATED WITH NEW DESIGN WILL BE GENERAL CONTRACTOR RESPONSIBILITY AS WELL.

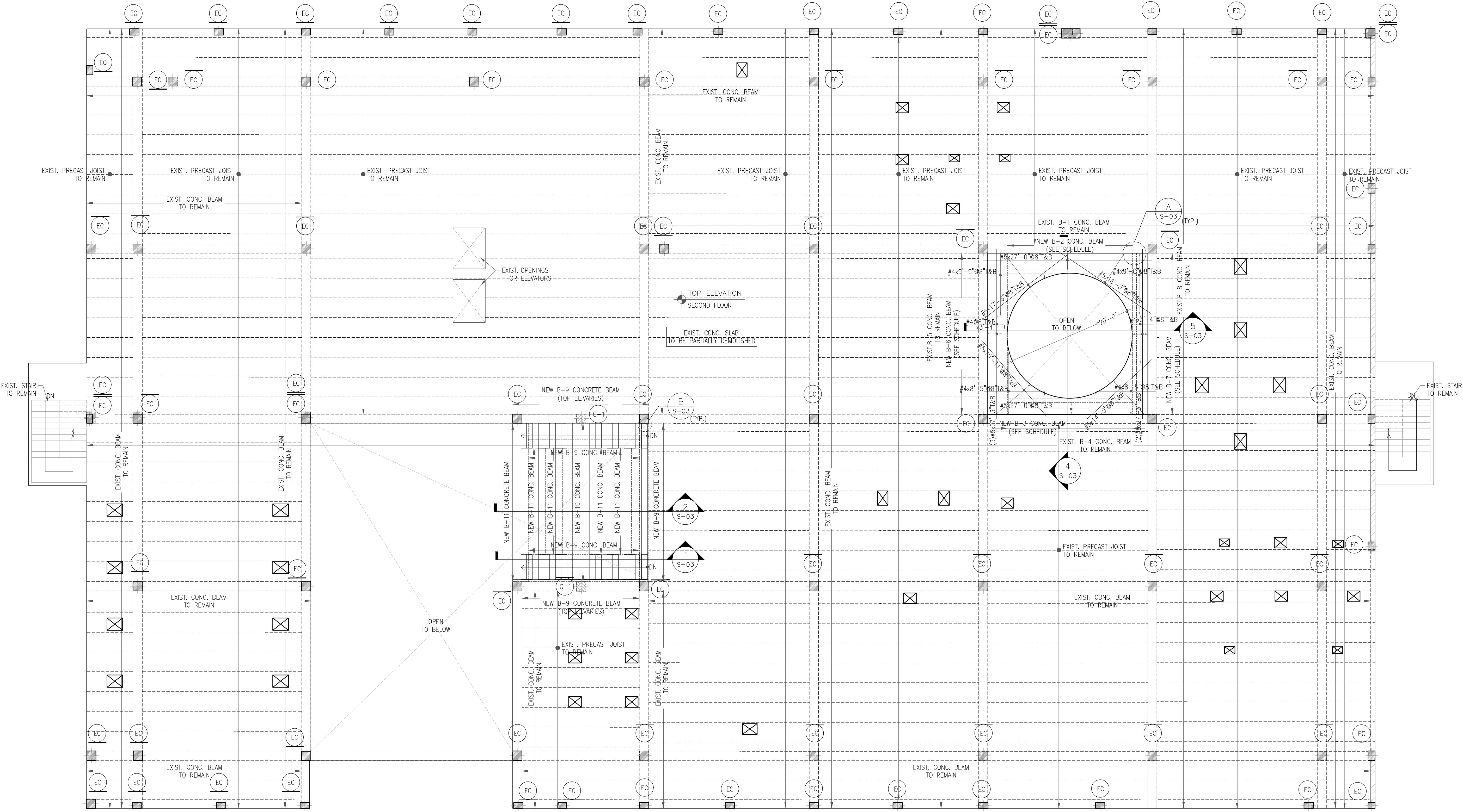
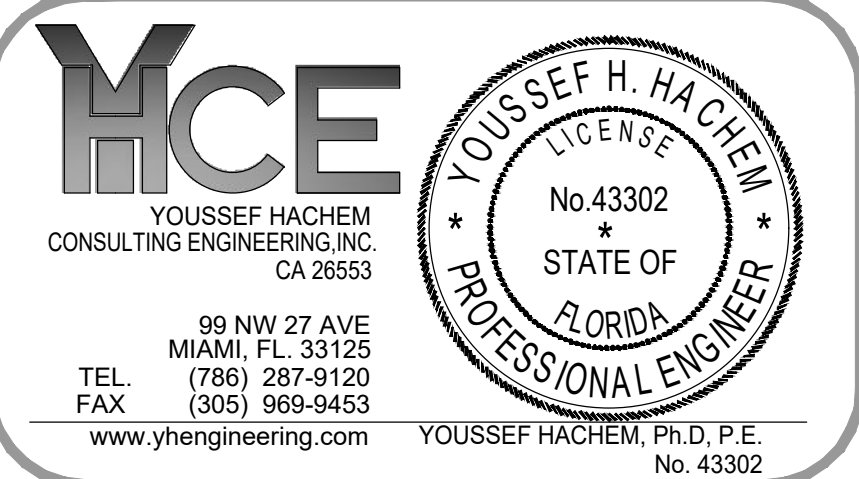
THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION 110.8.4.4 AND CHAPTER 633, FLORIDA STATUTES.

SLAB REINFORCEMENT NOTE AT REENTRANT CORNERS:

FLOOR SLAB SHALL BE REINFORCED BY STEEL REINFORCING BARS AT REINTRANT CORNERS SUCH AS INSIDE CORNERS OF AN L-SHAPED SLAB. REINTRANT CORNERS SHALL HAVE TWO PIECES OF #4 REINFORCING BARS 36 INCHES LONG PLACED DIAGONALLY TO THE CORNER, 12 INCHES APART, WITH THE FIRST BAR PLACED 2 INCHES FROM THE CORNER. ALL REINFORCEMENT SHALL BE APPROPRIATELY POSITIONED IN THE UPPER THIRD OF THE SLAB.

GROUND FLOOR FRAMING PLAN
1/8"=1'-0"





SECOND FLOOR FRAMING PLAN
1/8"=1'-0"

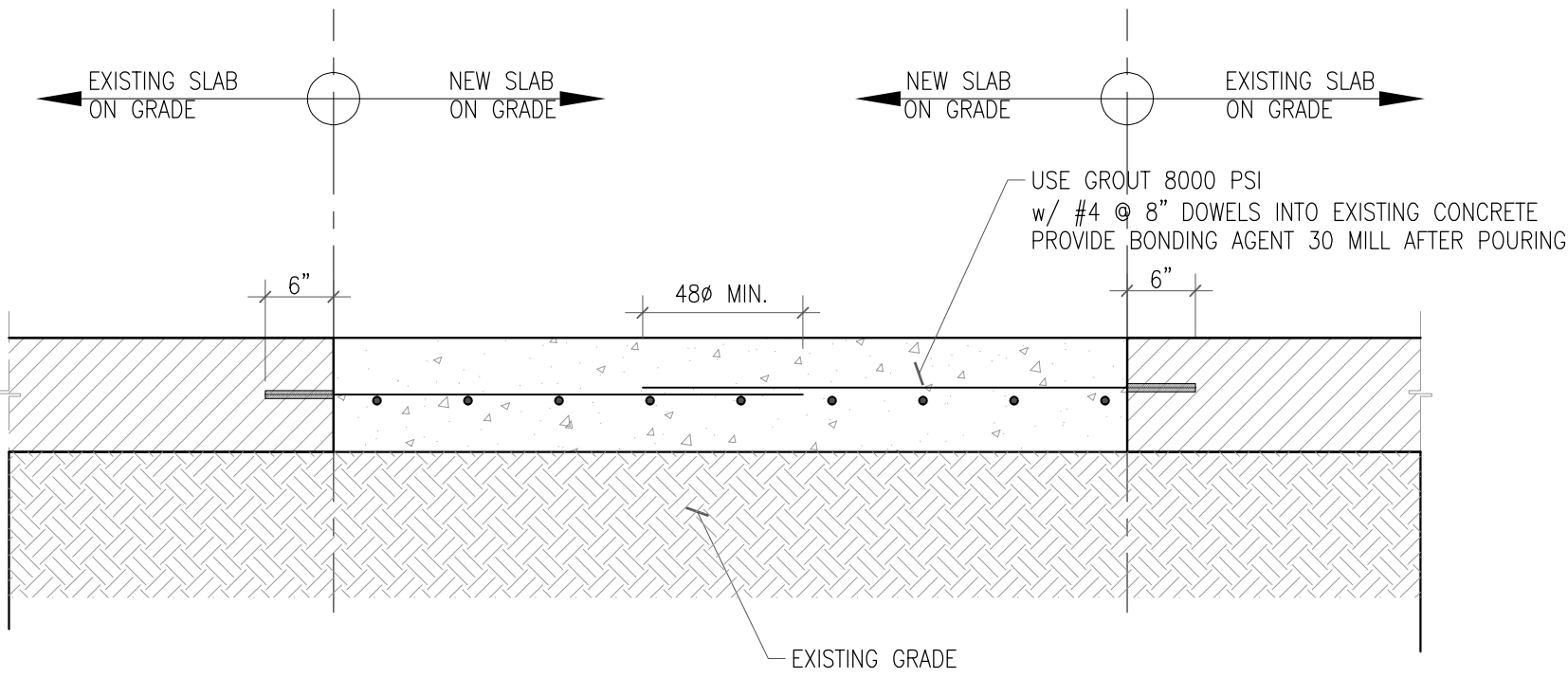
LEGEND	
	DENOTES AN EXIST. CMU WALL TO REMAIN
	DENOTES AN EXISTING FOUNDATION TO REMAIN
	DENOTES AN EXIST. CONC. COLUMN
	DENOTES A NEW CONC. COLUMN BELOW
	DENOTES A COLUMN STARTING AT THIS LEVEL
	DENOTES A COLUMN ENDING AT THIS LEVEL
	DENOTES AN EXIST. CONC. COLUMN
	DENOTES AN RECESSED FLOOR BOX (SEE ARCHITECTURAL PLANS)

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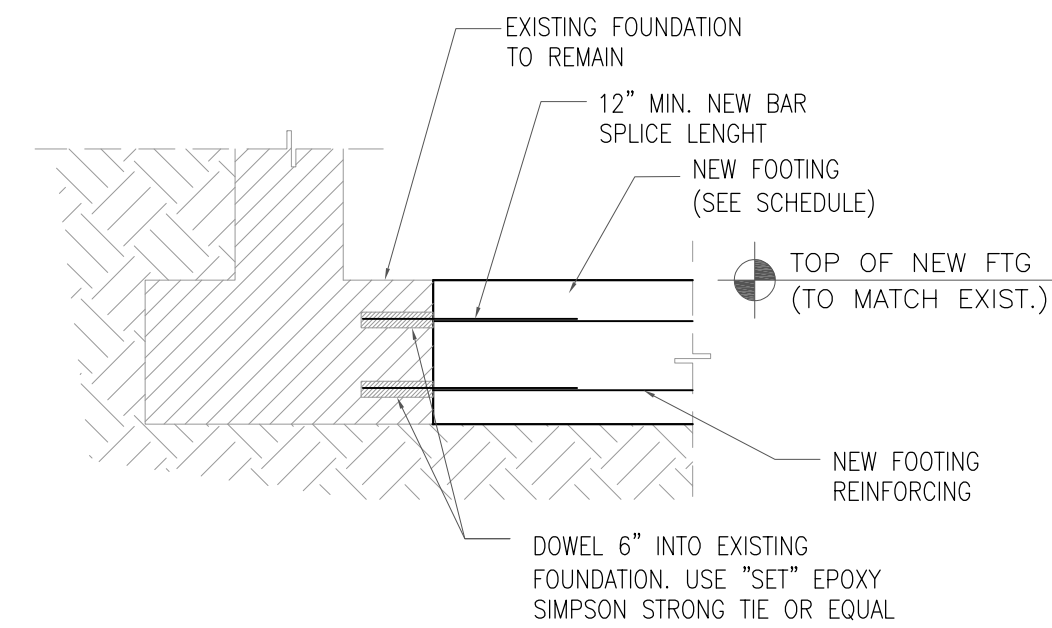
THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION 110.8.4.4 AND CHAPTER 633, FLORIDA STATUTES.

SLAB REINFORCEMENT NOTE AT REENTRANT CORNERS:
FLOOR SLAB SHALL BE REINFORCED BY STEEL REINFORCING BARS AT REENTRANT CORNERS SUCH AS INSIDE CORNERS OF AN L-SHAPED SLAB. REENTRANT CORNERS SHALL HAVE TWO PIECES OF #4 REINFORCING BARS 36 INCHES LONG PLACED DIAGONALLY TO THE CORNER, 12 INCHES APART, WITH THE FIRST BAR PLACED 2 INCHES FROM THE CORNER. ALL REINFORCEMENT SHALL BE APPROPRIATELY POSITIONED IN THE UPPER THIRD OF THE SLAB.



EXISTING AND NEW CONCRETE SLAB CONNECTION DETAIL

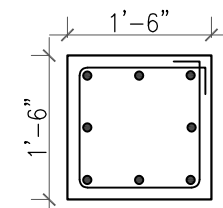
3/4"=1'-0"



NEW TO EXIST. FOOTING CONNECTION TYPICAL DETAIL

N.T.S.

TIE COLUMN				
MARK	SIZE	REINFORCEMENT		REMARKS
		VERTICAL	TIES	
C-1	18"x18"	8 #6	#4 @12"	
TC-1	8"x12"	4 #5	#4 @12"	

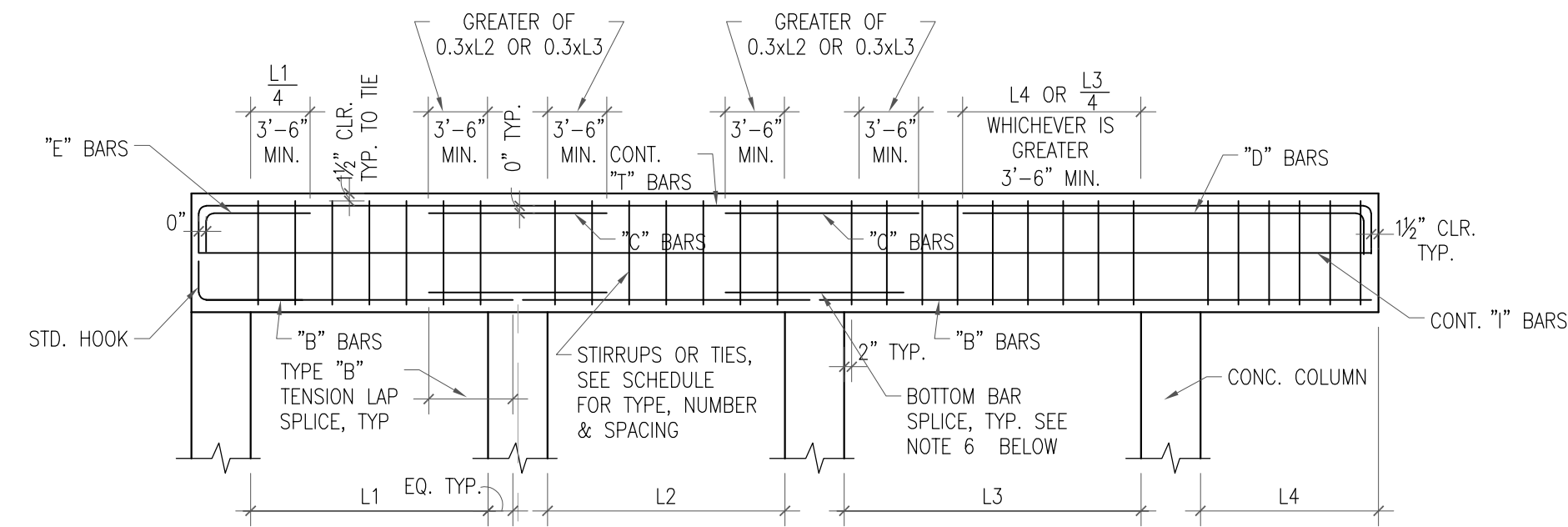


C-1 DETAIL

1/2"=1'-0"

FOOTING SCHEDULE						
MARK	SIZE L X W X THICKNESS	REINFORCEMENT				REMARKS
		BOTTOM		TOP		
		SHORT BAR	LONG BAR	SHORT BAR	LONG BAR	
F-70	7'-0" x 7'-0" x 20"	6#8	6#8	-	-	

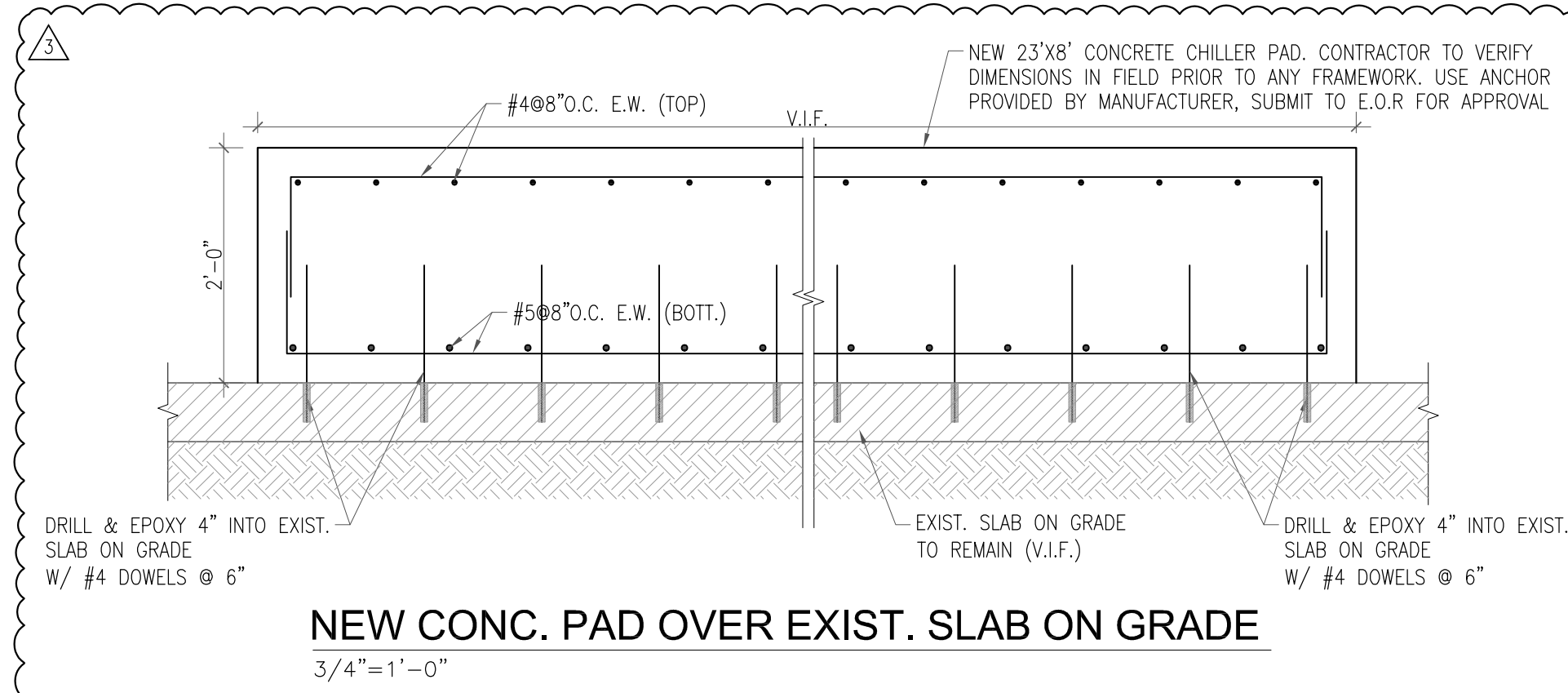
BEAM SCHEDULE										
MARK	TOP ELEV.	SIZE		BOTT.	TOP REINFORCING				STIRRUPS	NOTES
		W	D		"B" BARS	"T" BARS	"C" BARS	"E" BARS		
B-1 & B-4	SEE PLAN	EXISTING		MIN(4#5)	MIN(4#5)				MIN(4#4)	SHOULD NOT BE LESS THAN 18"x20"
B-2 & B-3	SEE PLAN	8"	15"	2#5	2#5				#4	CONTINUOUS IN NEW SLAB & EPOXY (10") IN (B-5 & B-8)
B-5 & B-8	SEE PLAN	EXISTING		MIN(4#5)	MIN(4#5)				MIN(4#4)	SHOULD NOT BE LESS THAN 18"x20"
B-6 & B-7	SEE PLAN	8"	15"	2#6	2#5				#4	TO BE CONNECTED TO B-1 & B-4 (SEE DETAIL)
B-9	SEE PLAN	18"	21"	4+4#6	4+4#6				#4	
B-10	SEE PLAN	48"	25"	6#6	6#6				#4	
B-11	SEE PLAN	14"	21"	3#6	3#6				#4	



TYPICAL BEAM BAR PLACING DIAGRAM

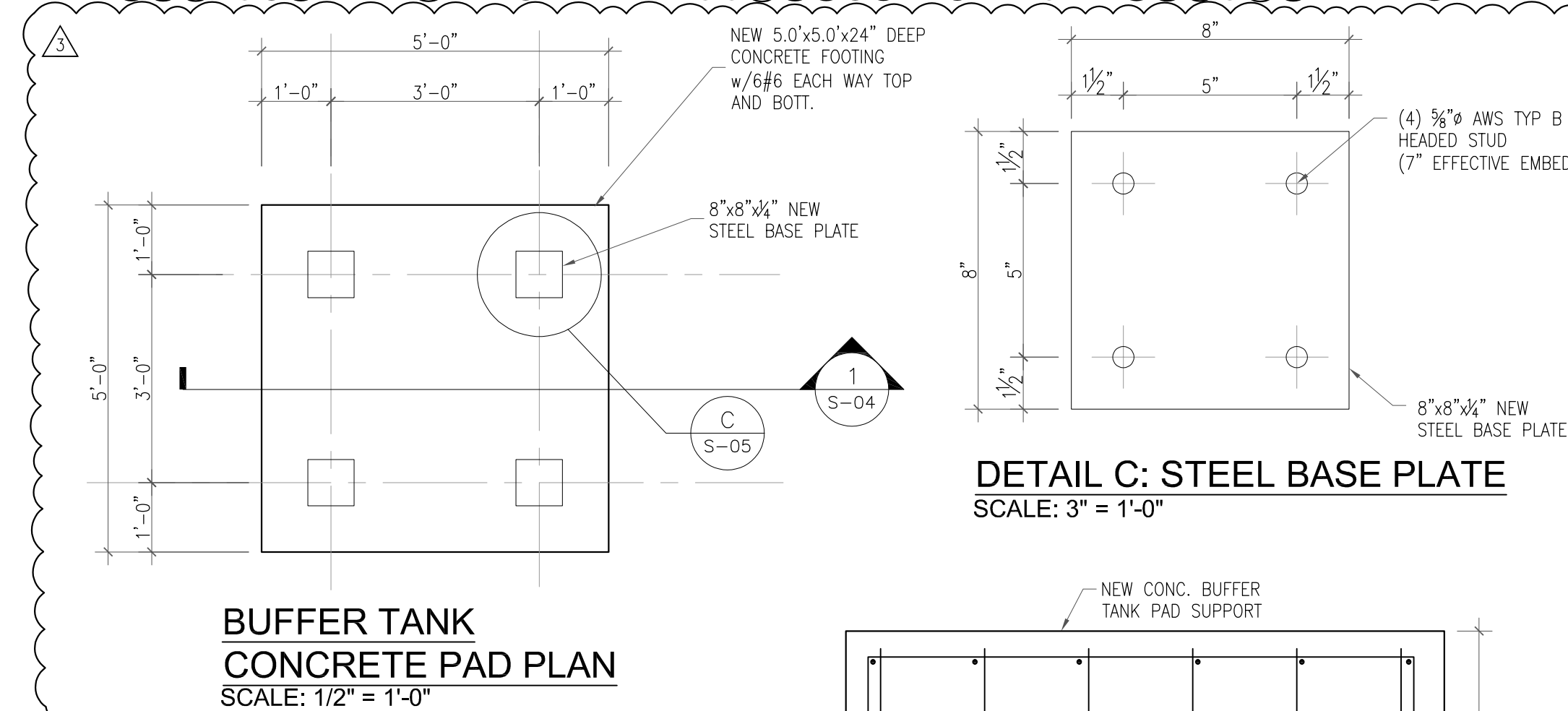
NTS

- NOTES:
- 1.-PLACE A MAXIMUM OF 2 BARS PER LAYER IN 8"-WIDE BEAMS.
 - 2.-ALL TOP & BOTTOM BARS SHALL BE CONT. WHERE NECESSARY, LAP SPlice TOP BARS IN MIDDLE 3RD OF SPAN & LAP SPlice BOTTOM BARS @ SUPPORTS. LAP SPlice SHALL BE MIN. 3'-6", SPlice TOP BARS AT MID SPAN W/ CLASS "B" TENSION LAP SPICES.
 - 3.-SPlice "T" BARS AT SUPPORTS W/ CLASS "B" TENSION LAP SPICES.
 - 4.-PLACE "C" BARS OVER RIGHT-HAND SUPPORT, UNLESS NOTED IN REMARKS.
 - 5.-"T" BARS AS SCHEDULED SHALL BE PLACED EACH SIDE OF BEAM.
 - 6.-PROVIDE 1/4 OF THE AREA OF THE BOTTOM REINFORCING OF THE ADJACENT SPAN WITH THE HIGHEST AREA OF BOTTOM REINFORCING, BUT NOT LESS THAN TWO BARS. BAR SIZE NO LESS THAN A #5 BAR. WHERE ADJACENT BEAMS ARE DIFFERENT IN DEPTH PLACE THE SPlice BAR AT THE LEVEL OF THE BOTTOM BARS OF THE SHALLOWEST BEAM.
 - 7.-ALL LAP SPlice SHALL BE CLASS "B" TENSION LAP SPlice, THE LONGER SPlice LENGTH SHALL BE USED FOR BARS OF DIFFERENT SIZE.
 - 8.-"L" INDICATES THE LARGER OF ADJACENT SPANS.
 - 9.-WHERE BOTTOM BARS ARE INDICATED AS CONT. W/ADJACENT SPANS, SPICES, WHERE NEEDED, SHALL BE MADE AT SUPPORTS.
 - 10.-ALL TOP BARS TO BE HOOKED AT EA END WITH STANDARD HOOK SPECIFIED FOR TENSION, SEE SCHEDULE.



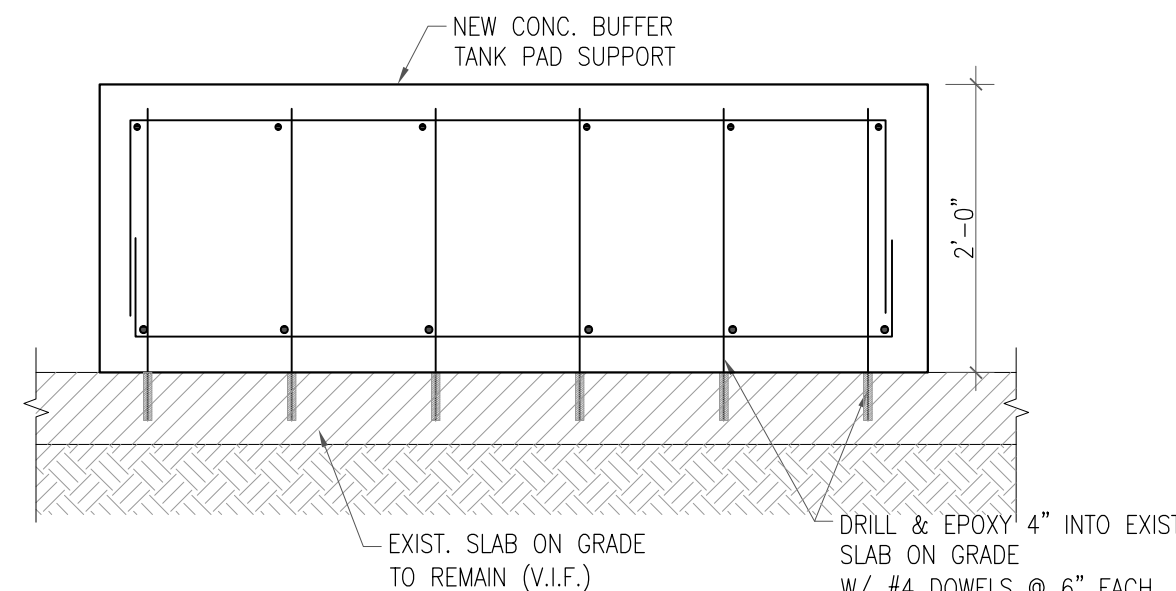
NEW CONC. PAD OVER EXIST. SLAB ON GRADE

3/4"=1'-0"



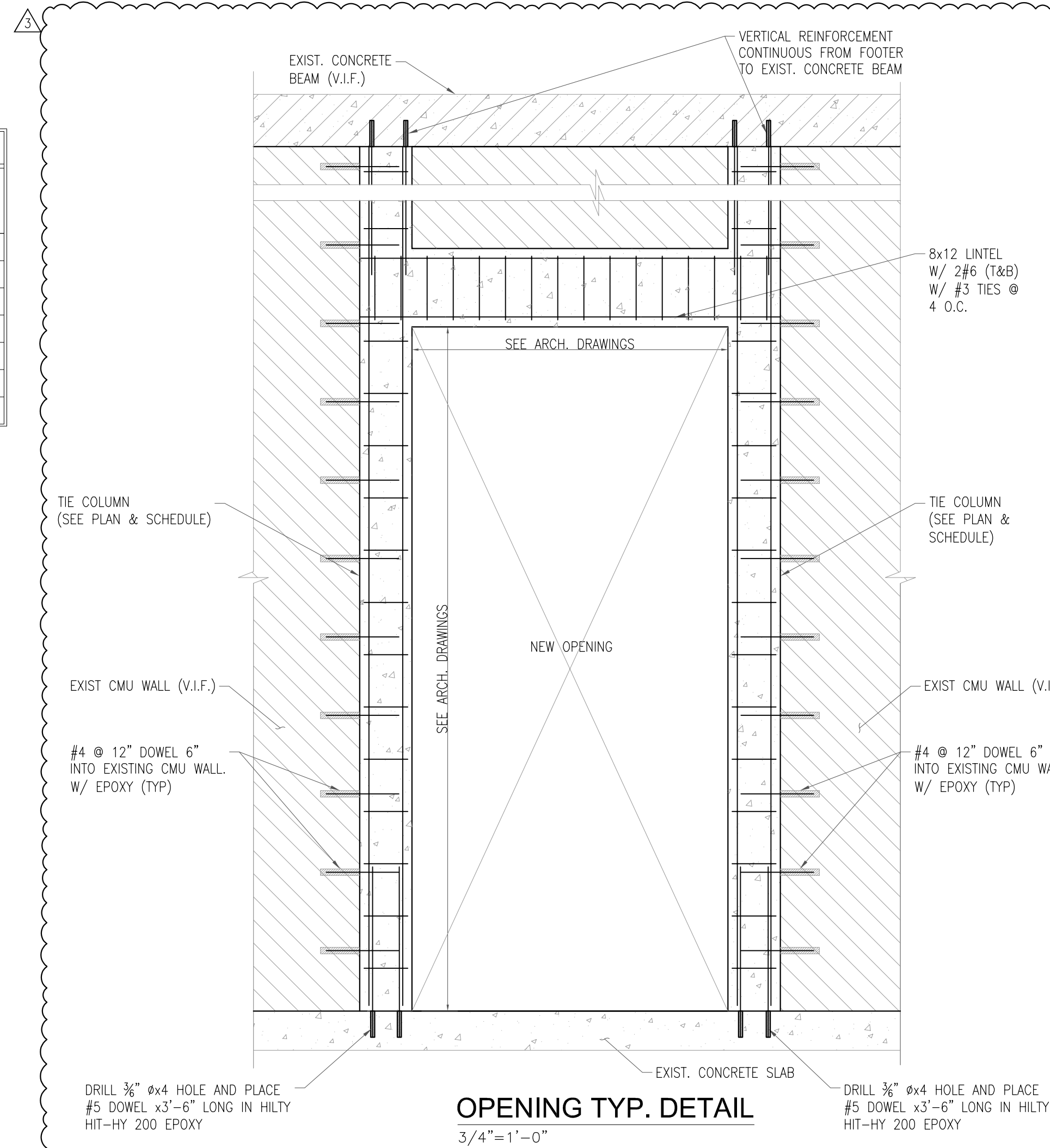
BUFFER TANK CONCRETE PAD PLAN

SCALE: 1/2"=1'-0"



SECTION 1

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



OPENING TYP. DETAIL

3/4"=1'-0"

DEVELOPMENT LENGHT TENSION BAR (ld)

BAR SIZE	f'c=3000 psi		f'c=4000 psi		f'c=5000 psi		f'c=6000 psi	
	TOP STEEL SEE NOTE 3	ALL OTHER REINF.	TOP STEEL SEE NOTE 3	ALL OTHER REINF.	TOP STEEL SEE NOTE 3	ALL OTHER REINF.	TOP STEEL SEE NOTE 3	ALL OTHER REINF.
#3	1'-11"	1'-5"	1'-8"	1'-3"	1'-5"	1'-1"	1'-4"	1'-0"
#4	2'-5"	1'-10"	2'-1"	1'-7"	1'-11"	1'-5"	1'-9"	1'-4"
#5	3'-1"	2'-4"	2'-8"	2'-0"	2'-5"	1'-10"	2'-2"	1'-8"
#6	3'-7"	2'-9"	3'-2"	2'-5"	2'-10"	2'-2"	2'-8"	2'-0"
#7	5'-3"	4'-0"	4'-7"	3'-6"	4'-2"	3'-2"	3'-9"	2'-10"
#8	6'-0"	4'-7"	5'-3"	4'-0"	4'-8"	3'-7"	4'-3"	3'-3"
#9	6'-9"	5'-2"	5'-11"	4'-6"	5'-3"	4'-0"	4'-10"	3'-8"
#10	7'-7"	5'-10"	6'-8"	5'-1"	5'-11"	4'-6"	5'-5"	4'-2"
#11	8'-6"	6'-6"	7'-4"	6'-7"	6'-6"	5'-0"	6'-0"	4'-7"

FOOTNOTES:

1. ld IS THE TENSILE DEVELOPMENT LENGTH. ALSO, ld MUST NEVER BE TAKEN LESS THAN 12 INCH.
2. VALUES ARE BASED ON BARS WHICH ARE NOT EPOXY-COATED, NORMAL WEIGHT CONCRETE, AND fy=60,000 psi.
3. STEEL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THE BAR BEING DEVELOPED (USUALLY APPLIES FOR TOP STEEL REINFORCING, CONTRACTOR TO VERIFY AS PER BEAM DIMENSIONS IF APPLIES)

BAR LAP LENGTH SCHEDULE

BAR SIZE	f'c=3000 psi		f'c=4000 psi		f'c=5000 psi		f'c=6000 psi	
	TOP REINF. CLASS B	ALL OTHER REINF. CLASS A	TOP REINF. CLASS B	ALL OTHER REINF. CLASS A	TOP REINF. CLASS B	ALL OTHER REINF. CLASS A	TOP REINF. CLASS B	ALL OTHER REINF. CLASS A
#3	2'-6"	1'-5"	2'-2"	1'-3"	1'-11"	1'-1"	1'-9"	1'-0"
#4	3'-2"	1'-10"	2'-9"	1'-7"	2'-6"	1'-5"	2'-4"	1'-4"
#5	4'-1"	2'-4"	3'-6"	2'-0"	3'-2"	1'-10"	2'-10"	1'-8"
#6	4'-8"	2'-9"	4'-2"	2'-5"	3'-9"	2'-2"	3'-6"	2'-0"
#7	6'-10"	4'-0"	6'-0"	3'-6"	5'-5"	3'-2"	4'-11"	2'-10"
#8	7'-10"	4'-7"	6'-10"	4'-0"	6'-1"	3'-7"	5'-7"	3'-3"
#9	8'-10"	5'-2"	7'-9"	4'-6"	6'-10"	4'-0"	6'-4"	3'-8"
#10	9'-11"	5'-10"	8'-8"	5'-1"	7'-9"	4'-6"	7'-1"	4'-2"
#11	11'-1"	6'-6"	9'-7"	6'-7"	8'-6"	5'-0"	7'-10"	4'-7"

1. VALUES ARE BASED ON BARS WHICH ARE NOT EPOXY-COATED, NORMAL WEIGHT CONCRETE, AND fy=60,000 psi.
2. USE BARS LAP LENGTH CLASS "B" AT BOTTOM STEEL REINFORCING FOR ALL EXTERIOR (PERIMETER) BEAMS

DEVELOP. LENGTH (ldh) SCHEDULE OF HOOKED BARS IN TENSION

BAR SIZE	f'c=3000 psi	f'c=4000 psi	f'c=5000 psi	f'c=6000 psi
#3	9	8	7	6
#4	11	10	9	8
#5	14	12	11	10
#6	17	15	13	12
#7	20	17	15	14
#8	22	19	17	16
#9	25	22	20	18
#10	28	25	22	20
#11	31	27	24	22

1. VALUES ARE BASED ON BARS WHICH ARE NOT EPOXY-COATED, NORMAL WEIGHT CONCRETE, AND fy=60,000 psi.
2. ldh: DEVELOPMENT LENGTH OF HOOKED BARS IN TENSION FOR 90 DEGREE END HOOKS, AND END COVER NOT LESS THAN 2 IN.

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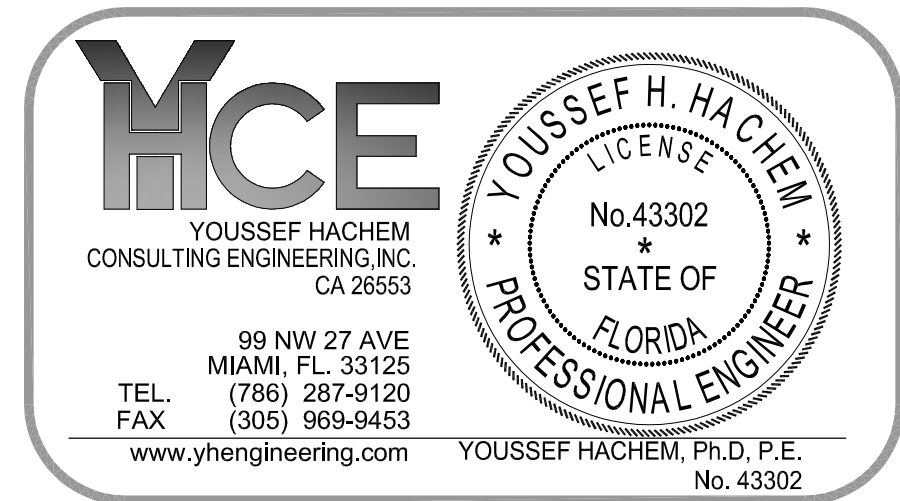
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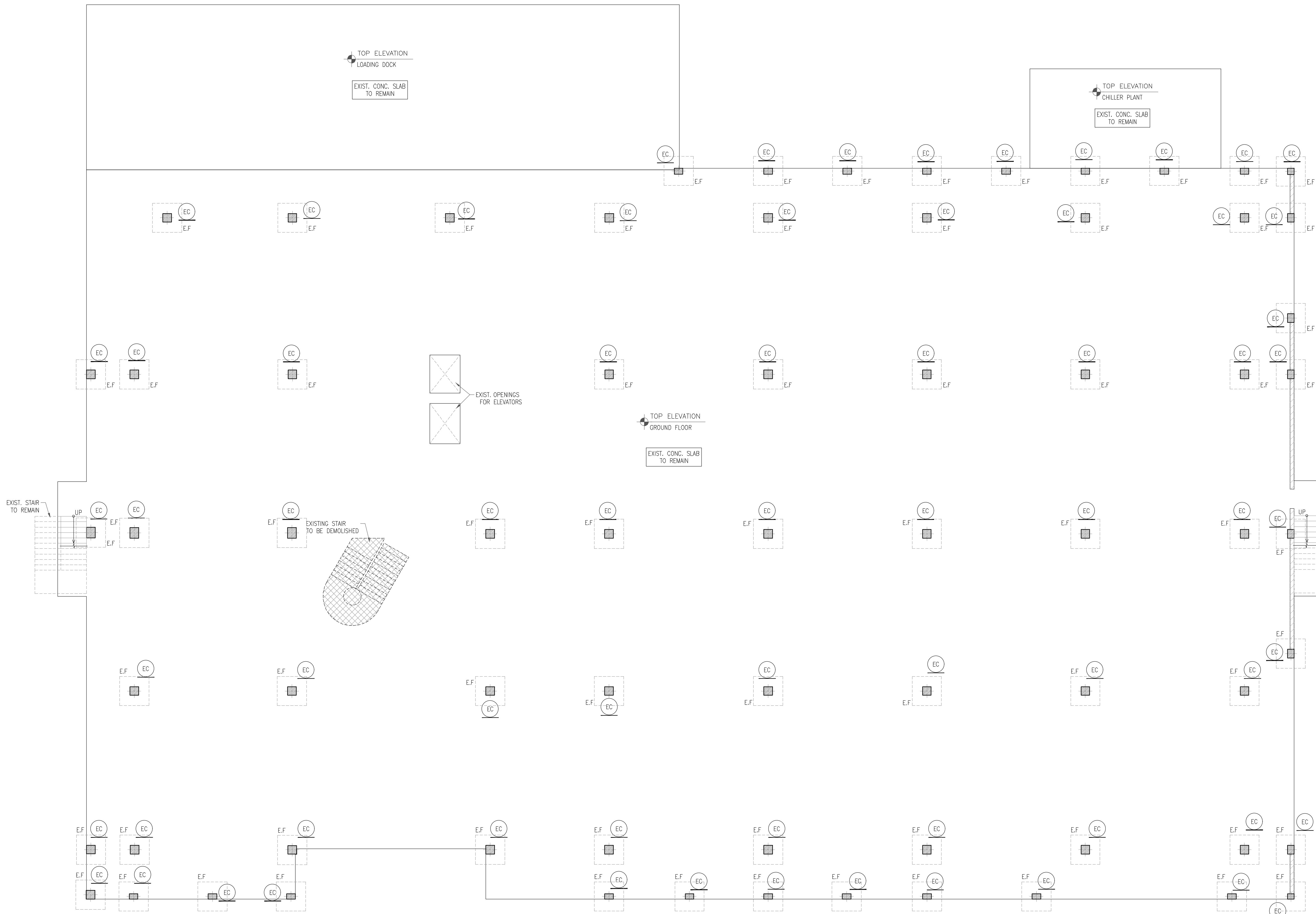
Date
05-22-2023
Commission
20026

Revisions
3 09-09-2024 COORD

TYPICAL DETAILS
AND SCHEDULES

S-04





NOTES:

1-DIMENSIONS SHOWN SHALL BE FIELD-VERIFIED. ANY DISCREPANCIES SHALL BE NOTED AND THE ENGINEER OF RECORD NOTIFIED BEFORE CONTINUING WITH THE WORK.

2-CONTRACTOR TO SUBMIT SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS FOR WINDOWS AND DOORS BY FLORIDA PROFESSIONAL ENGINEER BEFORE FABRICATION FOR APPROVAL BY THE ENGINEER OF RECORD TO SHOW COMPLIANCE WITH THE RESIDENTIAL FLORIDA BUILDING CODE 2020 (SEVENTH EDITION).

3-ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATIONS THROUGH STRUCTURAL MEMBERS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH THIS SECTION AND CHAPTER 633, FLORIDA STATUTES.

LEGEND:

EXIST. CONC. WALL, COLUMN, CMU WALL AND CONCRETE SLAB TO BE DEMOLISHED

EXIST. CONC. WALL TO REMAIN

EXIST. CONC. COLUMN TO REMAIN

SEQUENCY FOR DEMOLITION

1. DISCONNECT UTILITIES-ELECTRICITY, PLUMBING WATER LINE, DRAINAGE CONNECTION...ETC

2. PROVIDE SHORING FOR THREE FLOOR BELOW THIS LEVEL

3. RELEASE FT. CABLES.

4. ALL CANTILEVERED STRUCTURES, CANOPIES, BALCONIES AND FEATURES ATTACHED TO THE EXTERAL WALLS SHALL FIRST BE DEMOLISHED PRIOR TO DEMOLITION OF MAIN FLOOR SLAB.

5. DEMOLITION OF THE FLOOR SLAB SHALL BEGIN AT MID SPAN AND WORK TOWARDS THE SUPPORTING BEAMS AND COLUMNS.

6. FLOOR BEAMS SHALL BE DEMOLISHED IN ORDER OF CANTILEVERED BEAMS, SECONDARY BEAMS AND THEN MAIN BEAMS.

7. NON LOAD BEARING WALL SHALL BE REMOVED PRIOR TO DEMOLITION OF LOAD BEARING WALLS.

8. COLUMNS AND LOAD BEARING WALLS SHALL BE DEMOLISHED AFTER REMOVAL OF BEAMS ON TOP.

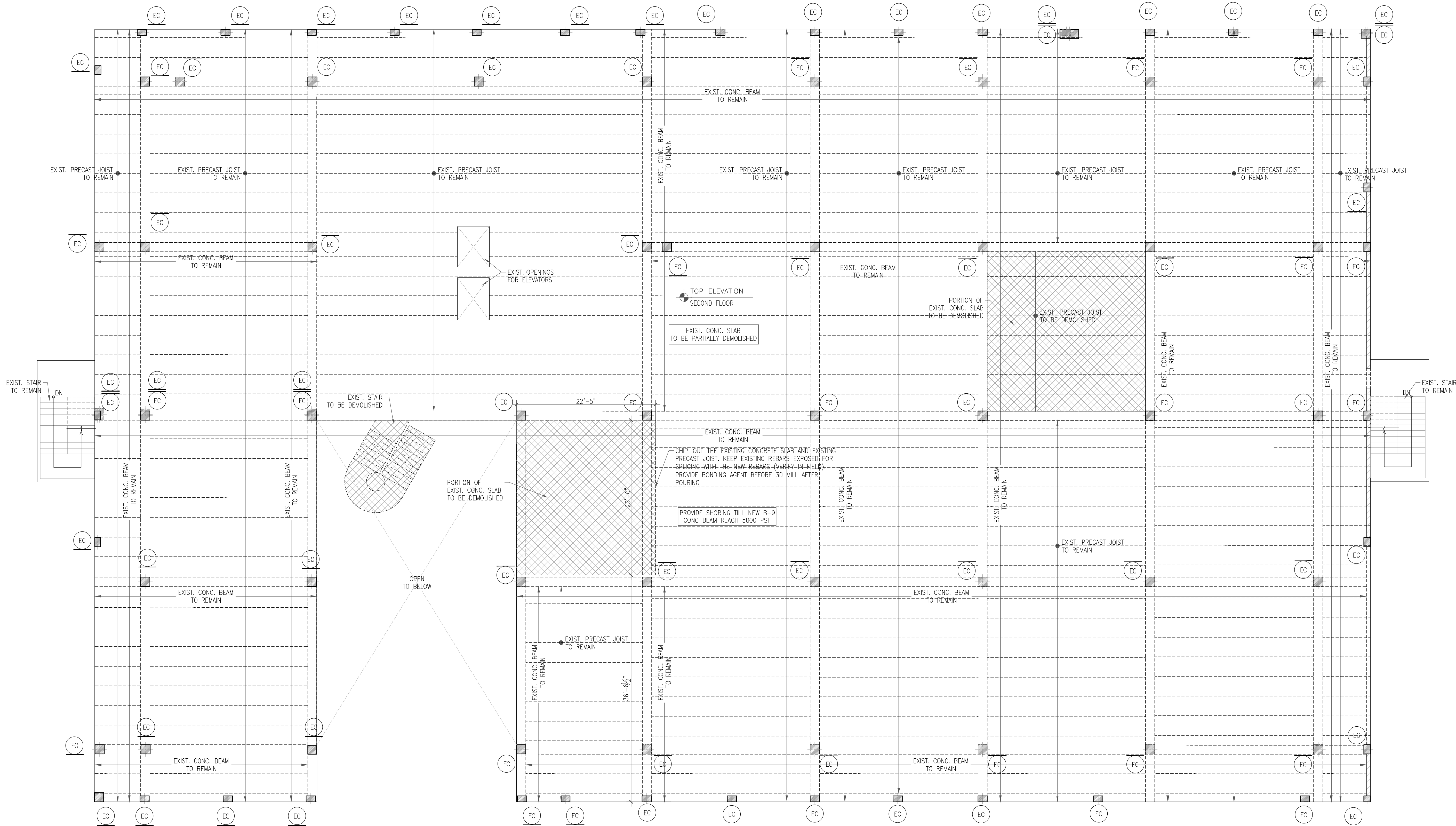
9. DEBRIS, WASTE AND OTHERS MATERIALS SHALL NOT BE WEIGHTED MORE THAN 150psf AT LEVEL 9th

YOUSSEF HACHEM
CONSULTING ENGINEERING INC.
CA 26553

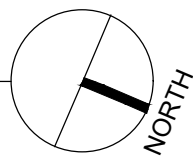
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STATE OF
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PROFESSIONAL ENGINEER

YOUSSEF HACHEM, Ph.D., P.E.
No. 43302



SECOND FLOOR DEMOLITION PLAN
1/8"=1'-0"



NOTES:
1-DIMENSIONS SHOWN SHALL BE FIELD-VERIFIED. ANY DISCREPANCIES SHALL BE NOTED AND THE ENGINEER OF RECORD NOTIFIED BEFORE CONTINUING WITH THE WORK.
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3-ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATIONS THROUGH STRUCTURAL MEMBERS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.

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LEGEND:
 DENOTES AN EXISTING CONCRETE WALL/COLUMN, CMU WALL AND CONCRETE SLAB TO BE DEMOLISHED
 DENOTES AN EXISTING CMU WALL TO REMAIN
 DENOTES AN EXISTING CONCRETE COLUMN TO REMAIN

SEQUENCY FOR DEMOLITION
1. DISCONNECT UTILITIES-ELECTRICITY, PLUMBING WATER LINE, DRAINAGE CONNECTION...ETC
2. PROVIDE SHORING FOR THREE FLOOR BELOW THIS LEVEL
3. RELEASE FT CABLES.
4. ALL CANTILEVERED STRUCTURES, CANOPIES, BALCONIES AND FEATURES ATTACHED TO THE EXTERAL WALLS SHALL FIRST BE DEMOLISHED PRIOR TO DEMOLITION OF MAIN FLOOR SLAB.
• DEMOLITION OF THE FLOOR SLAB SHALL BEGIN AT MID SPAN AND WORK TOWARDS THE SUPPORTING BEAMS AND COLUMNS.
• FLOOR BEAMS SHALL BE DEMOLISHED IN ORDER OF CANTILEVERED BEAMS, SECONDARY BEAMS AND THEN MAIN BEAMS.
• NON LOAD BEARING WALL SHALL BE REMOVED PRIOR TO DEMOLITION OF LOAD BEARING WALLS.
5. COLUMNS AND LOAD BEARING WALLS SHALL BE DEMOLISHED AFTER REMOVAL OF BEAMS ON TOP.
6. DEBRIS, WASTE AND OTHERS MATERIALS SHALL NOT BE WEIGHTED MORE THAN 150psf AT LEVEL 9th

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