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GENERAL NOTES

CONSTRUCTION

- ALL CONSTRUCTION SHALL COMPLY WITH THE **2021 INTERNATIONAL BUILDING CODE** AS ADOPTED BY THE **NISQUALLY INDIAN TRIBE**, STATE REGULATIONS FOR BARRIER FREE DESIGN, **2021 WA STATE ENERGY CODE**, AND ALL APPLICABLE LOCAL CODES, ORDINANCES, AND STANDARDS. IN CASE OF ANY CONFLICT WHERE THE METHODS OR STANDARDS OF INSTALLATION OF THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS OR ORDINANCES SHALL GOVERN. NOTIFY THE ARCHITECT OF ALL CONFLICTS.
- SECURE RELEVANT CITY AND STATE APPROVALS RELATING TO FIRE, CONSTRUCTION, LABOR, HEALTH AND LICENSING. CONTRACTOR SHALL FURTHER POST ALL BONDS AND SECURE ALL INSURANCE REQUIRED BY LAW OR CONTRACT, FORWARDING PROOF OF SUCH ACTIONS TO THE LANDLORD PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- WORK NOT INCLUDED IN THIS CONTRACT SHALL BE MARKED "NIC" OR SPECIFICALLY ASSIGNED TO ANOTHER PARTY.
- CONTRACTOR SHALL VISIT THE SITE, REVIEW THE DRAWINGS AS SUBMITTED BY THE ARCHITECT, AND BECOME THOROUGHLY FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING OR CONSTRUCTION.
- ALL WORK SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS LATEST RECOMMENDATIONS OR WRITTEN DIRECTIONS.
- WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
- WHERE DEVICES OR ITEMS OR PARTS THEREOF ARE REFERRED TO IN SINGULAR, IT IS INTENDED THAT SUCH SHALL APPLY TO AS MANY SUCH DEVICES, ITEMS OR PARTS AS ARE REQUIRED TO PROPERLY COMPLETE THE WORK.
- VERIFY ALL "BUILDING STANDARDS" WITH BUILDING OWNER PRIOR TO BEGINNING ANY WORK. HOWEVER, THERE SHALL BE NO DEVIATIONS WHATSOEVER FROM THE CONTRACT DOCUMENTS WITHOUT THE ARCHITECT'S WRITTEN APPROVAL THEREOF. THE CONTRACTOR AGREES TO DEFEND, INDEMNIFY, AND HOLD THE ARCHITECT HARMLESS FROM ANY CLAIMS ARISING AS A RESULT OF UNAPPROVED CHANGES.
- LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
- VERIFY AND CONFORM TO ALL REQUIREMENTS OF ALL UTILITY COMPANIES UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.
- ALL DEBRIS SHALL BE REMOVED FROM PREMISES AND ALL AREAS SHALL BE LEFT IN A CLEAN (BROOM) CONDITION AT ALL TIMES.
- PROTECT ADJACENT WORK AND REPAIR ANY DAMAGE AT CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY IN THE AREA OF WORK IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE BUILDING OWNER/ARCHITECT/ENGINEER HARMLESS FOR INJURY OR DEATH TO PERSONS OR FOR DAMAGE TO PROPERTY CAUSED BY THE NEGLIGENCE OF THE CONTRACTOR, HIS AGENTS, EMPLOYEES, OR SUBCONTRACTORS.
- APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY ANY WORKERS. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION AS WELL AS ALL REVISIONS, ADDENDA, AND CHANGE ORDERS. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES WHICH ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.
- MAINTAIN ALL EXIT PATHWAYS DURING CONSTRUCTION.
- PROVIDE SECURITY OF THE TENANT SUITE WHILE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED.
- PATCH AND REPAIR ALL EXISTING SURFACES AS REQUIRED BY DEMOLITION AND NEW CONSTRUCTION TO RECEIVE NEW SCHEDULED FINISHES. ALL SURFACES ARE TO HAVE "LIKE-NEW" APPEARANCE.
- AT COMPLETION OF THE WORK, REMOVE ALL DEBRIS FROM THE SITE, LEAVING SPACE CLEAN, WASH ALL WINDOWS AND GLASS, POLISH ALL HARDWARE AND FIXTURES, REPLACE AND PATCH AREAS OF CEILING DAMAGED DUE TO LIGHTING INSTALLATION OR MECHANICAL ADJUSTMENT.
- COORDINATE CONSTRUCTION SCHEDULING WITH THE BUILDING OWNER TO ALLOW ONGOING OPERATION OF THE FACILITY DURING CONSTRUCTION.
- MINIMIZE DISRUPTIONS OF BUILDING OCCUPANTS DUE TO NOISE, ODOR, FUMES, OR VIBRATION. AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL COMPLETELY CLEAN ALL AREAS SOILED BY CONSTRUCTION ACTIVITIES INCLUDING THOSE IN WHICH NO WORK WAS DONE.
- LATHING, PLASTER, AND GYPSUM WALL BOARD SYSTEMS SHALL CONFORM TO CHAPTER 25 OF THE **2021 IBC**.
- ALL GLASS AND GLAZING SHALL COMPLY WITH CHAPTER 24 OF THE **2021 IBC** AND THE US PRODUCT SAFETY COMMISSION: SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERIALS (42 FR 1426: 16 CFR PART 1201).
- VERIFY ALL DOOR AND WINDOW ROUGH OPENING DIMENSIONS WITH DOOR AND WINDOW MANUFACTURERS.
- PROVIDE BLOCKING AS REQUIRED FOR WALL AND CEILING MOUNTED ITEMS.
- PROVIDE GALVANIC ISOLATION BETWEEN DISSIMILAR METALS.
- STUD HEIGHT AND SPACING LIMITATION OF STEEL FRAMING COMPONENTS SHOULD BE IN COMPLIANCE WITH ASTM C 754 FOR MAXIMUM DEFLECTION AND MINIMUM LATERAL LOADING REQUIREMENTS.
- INVESTIGATE AND VERIFY LOCATIONS OF EXISTING STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL ELEMENTS AND OTHER EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
- DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONSTRUCTION DRAWING SHOULD BE CALLED TO THE ATTENTION OF THE ARCHITECT.
- OFFSET STUDS WHERE REQUIRED SO THAT FINISH WALL SURFACES WILL BE FLUSH.
- CONSTRUCT WALLS PLUMB AND SQUARE WITH EXISTING STRUCTURE AND NEW CONSTRUCTION UNLESS NOTED OTHERWISE.
- COORDINATION: THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND COORDINATION OF THE WORK OF ALL TRADES TO ASSURE COMPLIANCE WITH THE DRAWINGS.
- ANY DEVIATIONS FROM DIMENSIONED LOCATIONS MUST BE APPROVED BY THE ARCHITECT.
- ALL DEMOLISHED MATERIALS TO BE RECYCLED TO AN APPROVED RECYCLE FACILITY.
- FOR PROJECTS IN WASHINGTON STATE, THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF PUGET SOUND AIR POLLUTION CONTROL AGENCY REGARDING INSPECTION, CERTIFICATION AND NOTIFICATION.
- THE CONTRACTOR SHALL ENSURE THIS PROJECT AND ALL CONSTRUCTION ACTIVITIES RELATED THERETO CONFORM WITH ALL LOCAL, REGIONAL, AND/OR REMOVAL CODES REGARDING ASBESTOS CONTAINING MATERIALS.

DIMENSIONS

- ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING SITE CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS ADVERSELY AFFECTING THE DESIGN PRIOR TO PROCEEDING WITH THE WORK.
- DIMENSIONS OF PLANS ARE TYPICAL TO THE CENTERLINE OF COLUMNS AND FACE OF WALL STUD, UNLESS NOTED OTHERWISE. DOOR AND CASED OPENINGS WITHOUT LOCATION DIMENSIONS ARE TO BE FOUR (6) INCHES FROM THE FACE OF THE ADJACENT PARTITION OR CENTERED BETWEEN PARTITIONS.
- DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL USE DIMENSIONS SHOWN ON THE DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY THE ARCHITECT IF DISCREPANCIES ARE FOUND.

PLUMBING, MECHANICAL & ELECTRICAL

- MECHANICAL & ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE TO MAINTAIN COMPLIANCE WITH APPLICABLE CODES AND STANDARDS AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS.
- MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE BIDDER DESIGN/BUILD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE CORRESPONDING PERMITS FOR WORK. THE PROPOSED SYSTEM DESIGN & METHOD OF OPERATION FOR ALL ROOMS SHALL BE REVIEWED AND APPROVED BY THE TENANT PRIOR TO THE START OF ANY WORK.
- WHERE APPLICABLE, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS ARE SUPPLEMENTARY TO THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES BETWEEN THE CONSULTANTS' DRAWINGS WITH A WRITTEN REQUEST FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE BUILDING OWNER, TENANT, OR ARCHITECT.
- ALL CABLING AND WIRING NOT IN CONDUITS OR FULL SURROUND CABLE TRAYS SHALL HAVE A FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DEVELOPMENT RANGE OF LESS THAN 50.
- ALL EXPOSED MATERIAL & PIPING IN RETURN AIR PLENUM MUST MEET FS 25.
- ALL PLUMBING AND HVAC PIPE AND DUCTWORK IN PLENUM SHALL HAVE A FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DEVELOPMENT RANGE OF LESS THAN 50.

SUBMITTALS AND WARRANTY

- SUBMIT A LIST OF PROPOSED PRODUCT SUBMITTALS AND SHOP DRAWINGS TO THE OWNER FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
- ALL PRODUCTS AND MATERIALS SPECIFIED IN THE DRAWINGS (WITH EXCEPTION TO SPECIFIC FINISH COLORS AND FLOORING) ARE INTENDED TO BE ON AN "OR EQUAL" BASIS. ANY PROPOSED SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT IN WRITING FOR APPROVAL WITHOUT DELAY OF SCHEDULE.
- ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER COMPLETION, UNLESS OTHERWISE SPECIFIED, AND SHALL BE SO STATED IN CONTRACTOR'S WRITTEN PROPOSAL AND AGREEMENT. ALL REPAIRS, CORRECTIONS, DISCREPANCIES, ETC., MUST BE MADE WITHOUT ANY ADDITIONAL COST TO THE OWNER, AND WITHIN FIVE (5) DAYS AFTER NOTICE IS GIVEN.

FIRE PROTECTION

- FIRE PROTECTION DRAWINGS ARE TO BE SUBMITTED UNDER SEPARATE PERMIT.
- IF NECESSARY, PROVIDE FIRE PROTECTION AT ALL PENETRATIONS OF FIRE RELATED ELEMENTS AS REQUIRED BY CODE.
- FIRE EXTINGUISHERS: VERIFY LOCATION, TYPE, AND SIZE PER FIRE MARSHAL REQUIREMENTS. CONTRACTOR TO PROVIDE ALL TEMPORARY AND PERMANENT FIRE EXTINGUISHERS REQUIRED UNDER NFPA 10 MOST RECENT EDITION AND APPROVED BY THE FIRE MARSHAL. CONFIRM ACCEPTABILITY OF LOCATION WITH FIRE MARSHAL PRIOR TO INSTALLATION. PROVIDE FINISHED CABINETS TO MATCH BUILDING STANDARD FOR EXTINGUISHERS AT ALL EXPOSED LOCATIONS.
- FIRE EXTINGUISHERS AND CABINETS SHOULD BE LOCATED SO THAT THE TOP OF THE EXTINGUISHER OR CABINET IS NO HIGHER THAN 48" AFF AND THE TOP OF THE EXTINGUISHER OR CABINET HANDLE IS AT LEAST 36" AFF.
- AT SEMI-RECESSED FIRE EXTINGUISHER CABINETS WRAP ADDITIONAL LAYER(S) OF TYPE 'X' GYPSUM WALL BOARD INTO THE CABINET CAVITY TO MAINTAIN SPECIFIED FIRE RATED REQUIREMENT. REFER TO WALL CONSTRUCTION LEGEND FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL FIRE EXTINGUISHER SIGNAGE (5"X8") ABOVE EACH FIRE EXTINGUISHER OR CABINET WITHIN THE SCOPE OF THE TENANT IMPROVEMENT. MOUNT AT 84" AFF UNLESS OTHERWISE REQUIRED.
- EXIT SIGNS AND EXIT ILLUMINATION SHALL CONFORM TO THE **2021 IBC AND NISQUALLY INDIAN TRIBE FIRE MARSHAL** REQUIREMENTS. CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY LIGHTING AND EXIT LIGHTING AS REQUIRED BY THE **NISQUALLY INDIAN TRIBE FIRE AND BUILDING DEPARTMENTS**. CONFIRM ACCEPTABILITY OF LOCATIONS WITH THE BUILDING OWNER BEFORE INSTALLATION. CONTRACTOR SHALL PROVIDE AND INSTALL AUDIBLE ALARMS IN ACCORDANCE WITH IBC ARTICLE 9. CONTRACTOR SHALL PROVIDE AND INSTALL VISIBLE ALARM SIGNALS AS REQUIRED BY ADA GUIDELINES. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SMOKE DETECTORS AND SMOKE DETECTION AS REQUIRED UNDER ARTICLE 9 OF THE IBC. THE INSTALLATION OF THE ABOVE NOTED SYSTEM SHALL INCLUDE THE CONNECTION TO AND/OR MODIFICATION OF THE EXISTING BUILDING SYSTEMS, AS NECESSARY.
- EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- FLAMMABLE LIQUIDS SHALL NOT BE PLACED, STORED, OR DISPENSED IN THIS OCCUPANCY EXCEPT AS PROVIDED IN NFPA STANDARD 30 AND THE **2021 INTERNATIONAL FIRE CODE**. PERMIT MAY BE REQUIRED.
- ALL DRAPES, HANGINGS, CURTAINS, AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FIRE RETARDANT CONDITION BY MEANS OF A FLAME RETARDANT SOLUTION OR PROCESS APPROVED BY THE FIRE MARSHAL. PROVIDE A CERTIFICATION TO THIS EFFECT. EXIT DOORS, EXIT LIGHTS, AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED OR OBSTRUCTED BY ANY DECORATIVE MATERIAL. MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISHES SHALL BE PER **TABLE 803.13, SECTION 803.13 OF THE 2021 IBC**.
- ALL REQUIRED FIRE DOORS SHALL BEAR A LABEL FROM A RECOGNIZED AGENCY SHOWING THE SPECIFIC RATING.

CEILING

- REFLECTED CEILING PLAN IS FOR THE GENERAL INFORMATION OF THE CONTRACTOR. EXACT LOCATIONS SHOULD BE VERIFIED.

DOOR

- ALL DOOR HARDWARE TO MEET REQUIREMENTS OF **2021 IBC** AND OWNER'S BUILDING REQUIREMENTS.

FINISH AND MATERIALS

- SUBMIT FINISH SAMPLES TO TENANT AND OWNER FOR APPROVAL PRIOR TO ORDERING MATERIALS.
- INTERSECTION OF SCHEDULED FLOORING MATERIALS ARE TO OCCUR AT CENTERLINE OF DOOR WHEN IN A FULLY CLOSED POSITION UNLESS NOTED OTHERWISE.
- PROVIDE APPROPRIATE TRANSITION MATERIAL AS REQUIRED WHERE DISSIMILAR FLOORING MATERIALS INTERSECT.

PROJECT DATA

PROJECT ADDRESS:	11940 BILLY FRANK JR BLVD SE OLYMPIA, WA, 98513
JURISDICTION:	AHJ: NISQUALLY INDIAN TRIBE ZONING: THURSTON COUNTY
PARCEL NUMBER:	21833010000
ZONING:	MR (MILITARY RESERVATION)
OCCUPANCY CLASSIFICATION:	B, F-1
TYPE OF CONSTRUCTION:	VB
SPRINKLERED:	YES
NUMBER OF STORIES:	2
SQ. FT. OF BUILDING:	FIRST FLOOR: 7,893 SF SECOND FLOOR: 4,679 SF TOTAL: 12,572 SF

LEGAL DESCRIPTION

SECTION 33 TOWNSHIP 18 RANGE 1E THAT PTN NW LYING NORTHERLY OF N ROW LN OF YELM HWY SE AND SW1/4 OF SW ROW LN OF OLYMPIA-YELM RD BEING ST HWY 510 (FORMERLY 5-1) ALSO THAT PTN IN NW AND SW NE AND

DESCRIPTION OF WORK

INCLUDES ALL INTERIOR WOOD-FRAMED PARTITIONS (CLASSROOMS, OFFICES, STORAGE, AND UTILITY SPACES); REMAINING ELEVATOR CONSTRUCTION, INCLUDING CAB, GUIDE RAILS, DOORS, CONTROLLER, AND MACHINE ROOM EQUIPMENT; ALL FLOOR, CEILING, AND WALL FINISHES; MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS; LIGHT FIXTURES; FIRE SPRINKLER AND FIRE ALARM SYSTEMS; AND ALL LOW-VOLTAGE SYSTEMS.

SEPARATE SUBMITTALS

THE FOLLOWING PORTIONS OF THE PROJECT WILL BE APPLIED FOR UNDER SEPARATE PERMITS:

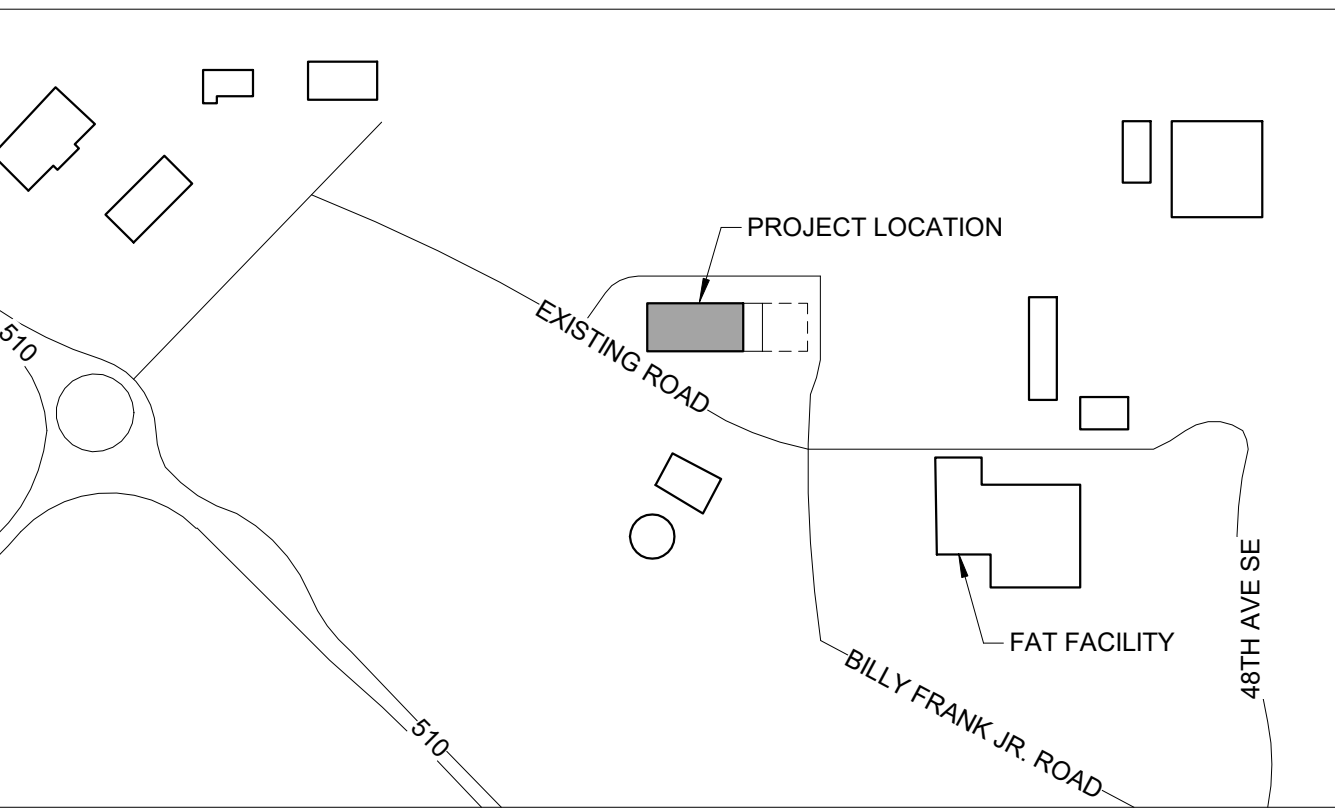
- HVAC SYSTEM (DUCTING, DISTRIBUTION, CONTROLS, AND ASSOCIATED STRUCTURAL)
- LINE VOLTAGE ELECTRICAL SYSTEM WORK
- LIFE SAFETY SYSTEMS (HORNS, STROBES & FIRE ALARM/SPRINKLER IMPROVEMENTS)
- LOW VOLTAGE ELECTRICAL SYSTEMS, (TELEPHONE/DATA/SECURITY/INTERCOM)
- PLUMBING (WATER, SANITARY, NATURAL GAS)
- SIGNAGE

APPLICABLE CODES

NATIONAL:
2021 INTERNATIONAL BUILDING CODE W/ WASHINGTON STATE AMENDMENTS (51-50 WAC)
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL FIRE CODE W/ WASHINGTON STATE AMENDMENTS (51-54 WAC)
2021 INTERNATIONAL MECHANICAL CODE W/ WASHINGTON STATE AMENDMENTS (51-52 WAC)
2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

REGIONAL:
2021 WASHINGTON STATE ENERGY CODE (51-11 WAC)
2021 WASHINGTON STATE ADMINISTRATIVE CODE (WAC)

VICINITY MAP



IBC TABLE 1004.5 OCCUPANT LOAD OFFICE: JANITORIAL/STORAGE: CLASSROOMS: WORKSHOP: DATA/DEMARCA/ELEC:		150 GROSS 300 GROSS 50 GROSS 50 GROSS 300 GROSS REFERENCE A1.01 FOR SPECIFIC OCCUPANT LOADS PER FLOOR.
IBC TABLE 1006.2.1 AND TABLE 1006.3.3 NUMBER OF EXITS: MAX. OCCUPANT LOAD WITH (1) EXIT: 2 EXITS: MAX. COMMON PATH:		B: UP TO 49 OCCUPANTS MAX. TO 500 OCCUPANTS B-F-1.S: 100'
IBC 1007 EXIT ACCESS SEPARATION: 1/3 DIAGONAL DISTANCE OF AREA SERVED		
IBC 1009 ACCESSIBLE MEANS OF EGRESS: ACCESSIBLE ELEVATORS: ACCESSIBLE STAIRWAYS:		INTERIOR STAIR REQUIRED PER IBC 1009.3 REQUIRED PER IBC 1009.2.1 44" CLEAR WIDTH REQUIRED PER IBC 1009.3.2 EXCEPTION 1 NOT REQUIRED PER IBC 1009.3.3 EXCEPTION 2
IBC 1010 AREA OF REFUGE: DOORS MINIMUM WIDTH: MAXIMUM OPENING FORCE:		32" CLEAR INTERIOR SWING DOORS OTHER THAN FIRE DOORS: 5 LBS MAX FIRE DOORS: 15 LBS MAX ELECTRICAL ROOMS WITH >800 AMP SERVICE REQ'D TO HAVE PANIC DEVICES
IBC 1011 STAIRWAYS		44" MIN CLEAR WIDTH 7" MAX RISER & 11" MIN. TREAD, LANDING LENGTH MATCHING STAIRWAY WIDTH DOORS OPENING INTO LANDING SHALL NOT REDUCE LANDING < 12 REQ'D WIDTH OR PROJECT BEYOND 7" INTO A LANDING WHEN FULLY OPEN 12 FEET MAX. VERTICAL RISE BETWEEN LEVELS OR LANDINGS
IBC 1015 GUARDS		OPEN SIDED WALKING SURFACES >30" TO FLOOR HATCHES OR ROOFTOP EQUIPMENT <10" FROM PARAPET <30"
IBC TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE: B OCCUPANCY = 300' MAX EXIT ACCESS TRAVEL DISTANCE IN SPRINKLERED BUILDINGS F-1, S-1 OCCUPANCY = 250' MAX EXIT ACCESS TRAVEL DISTANCE IN SPRINKLERED BUILDINGS		
IBC 1020 CORRIDORS FIRE-RESISTANCE RATING: B, F-1, AND S-1 OCCUPANCY, SPRINKLERED >30 OCCUPANTS = 0 HOUR DEAD ENDS:		50' MAX PER IBC 1020.5 EXCEPTION 2
IBC 1022 EXITS:		OPEN EXIT ACCESS STAIRWAY IS ALLOWED PER IBC 1019.3 EXCEPTION 1
ACCESSIBILITY (CH 11)		
IBC 1104 ACCESSIBLE ROUTE:		BUILDINGS, PUBLIC TRANSPORTATION, PARKING, PASSENGER LOADING, & PUBLIC WAYS
IBC 1105.1 ACCESSIBLE PUBLIC ENTRANCES:		60% OF PUBLIC ENTRANCES TO BE ACCESSIBLE
IBC 1108.1 ACCESSIBLE PARKING SPACES: REQUIRED: 1:25 MIN 1 PROPOSED:		REFERENCE A2.00 FOR PROPOSED ACCESSIBLE PARKING SPACES REFERENCE A2.00 FOR PROPOSED ACCESSIBLE PARKING SPACES
IBC 1108.5 ACCESSIBLE VAN PARKING SPACES: REQUIRED: 1 VAN STALL PER 6 ADA STALLS PROPOSED:		REFERENCE A2.00 FOR PROPOSED ACCESSIBLE PARKING SPACES REFERENCE A2.00 FOR PROPOSED ACCESSIBLE PARKING SPACES
IBC 1109.2 ACCESSIBLE TOILET FACILITIES: TOILET COMPARTMENTS: LAVS: URINALS: DRINKING FOUNTAINS:		REFERENCE A8 10 AND A8 11 5% OF REQUIRED TOILETS (OR COMBO WITH URINALS) TO BE ACCESSIBLE 5% REQUIRED TO BE ACCESSIBLE 5% REQUIRED TO BE ACCESSIBLE BI-LEVEL FOUNTAINS REQ'D. 1 FOR WHEELCHAIR USE AND 1 STANDING USE
INTERIOR ENVIRONMENT (CH 12)		
IBC 1209 TOILET AND BATHROOM REQUIREMENTS FLOOR AND WALL BASE FINISH: WALL FINISH WITHIN 24" OF SERVICE SINKS, URINALS AND TOILETS: SHOWER WALL FINISH:		SMOOTH, HARD, NON-ABSORBENT 4" BASE MIN. HEIGHT SMOOTH, HARD, NON-ABSORBENT 4" MIN. HEIGHT SMOOTH, HARD, NON-ABSORBENT. 72" MIN. HEIGHT
EXTERIOR WALLS (CH 14)		
IBC 1402.2 WEATHER PROTECTION:		PREVENT THE ACCUMULATION OF WATER AND PROVIDE A MEANS FOR DRAINAGE TO THE EXTERIOR OR MEET ASTM E331
IBC 1403.2 WEATHER RESISTIVE BARRIER:		MIN NO 15 ASPHALT FELT COMPLYING WITH ASTM D226 TYPE I OR APPROVED MATERIAL
IBC 1404.3 VAPOR RETARDERS:		CLASS I (SHEET POLYETHYLENE, ALUM FOIL) AT INTERIOR SIDE OF FRAMED WALLS CLASS II (KRAFT OR PAINT W/ PERM > 0.1 < 1.0) OR CLASS III (ALLOWED AT MARINE 4" W/ VENTED CLADDING OR INSULATED SHEATHING)
IBC 1404.6 ANCHORED MASONRY VENEER:		MEET TOLERANCES IN ARTICLE 3.3 F1 OF TMS 602 AND SEISMIC REQUIREMENTS OF SECTION 12.2.2.11 OF TMS 402 WIRE MESH BACKING, WRB, REQUIRED PER 1404.7.3
IBC 1404.11 METAL VENEERS:		CORROSION RESISTANT MATERIALS, NOT LESS THAN 0.0149-INCH MOUNTED ON WOOD OR METAL FURRING STRIPS
IBC 1405.1 COMBUSTIBLE EXTERIOR WALL COVERING MATERIALS TYPE III BUILDING:		MAY EXCEED 10% WHERE FIRE SEPARATION >5', LIMITED TO 40' ABOVE GRADE 1 5/8" MAX FURRING WITH FIRE BLOCKING
ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (CH15)		
IBC 1505.1 MINIMUM ROOF CLASSIFICATION: TYPE VB:		CLASS C
GLASS AND GLAZING (CH 24)		
IBC 2406 SAFETY GLAZING:		PER IBC 2406
IBC 2407 GLASS IN HANDRAILS OR GUARDS:		PER IBC 2407
GYPSUM BOARD, GYPSUM PANEL PRODUCTS AND PLASTER (CH 25)		
IBC 2506 GYPSUM BOARD AND GYPSUM PRODUCT MATERIALS:		PER IBC 2506
PLASTIC (CH 26)		
IBC 2603 FOAM PLASTIC INSULATION EXTERIOR WALLS:		FIRE RESISTIVE RATING ASTM E84 OR UL 723 4" MAX THICKNESS FLAME SPREAD INDEX <75 SMOKE DEVELOPED INDEX <450
PLUMBING SYSTEMS (CH 29)		
IBC 2902		

DRINKING FOUNTAIN LOCATION - DRINKING FOUNTAINS SHALL NOT BE REQUIRED TO BE LOCATED IN INDIVIDUAL TENANT SPACES PROVIDED THAT PUBLIC DRINKING FOUNTAINS ARE LOCATED WITHIN A DISTANCE OF TRAVEL OF 500 FEET OF THE MOST REMOTE LOCATION AND NOT MORE THAN 1 STORY ABOVE OR BELOW THE TENANT SPACE.

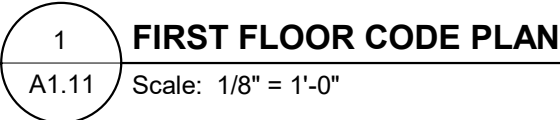
FIRST FLOOR
CODE PLAN
A1.11

1. MODIFICATIONS TO FIRE ALARM AND SPRINKLER SYSTEMS UNDER SEPARATE PERMIT
2. DOORS IN PATH OF EGRESS CANNOT BE LOCKED FROM SIDE OF TRAVEL OF EMERGENCY EGRESS
3. PROVIDE ONE (1) FIRE EXTINGUISHER (MINIMUM 2A10-B) FOR A MAXIMUM AREA PER NFPA TABLE 13.6.3.2.1.1 WITH MAXIMUM 75 LINEAR FEET TRAVEL DISTANCE TO EXTINGUISHER; VERIFY LOCATIONS ARE ACCEPTABLE WITH FIRE MARSHAL
4. PROVIDE AND INSTALL SIGNAGE ABOVE THE MAIN ENTRY DOOR ON THE EGRESS SIDE STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED"

OCCUPANCY:	B, F-1	
SPRINKLERED:	YES	
COMMON PATH OF EGRESS (IBC TABLE 1006.2.1):	REQUIRED: 75'-0" MAX	PROVIDED: 46'-2" MAX
EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2):	250'-0" MAX	141'-1" MAX
DEAD END CORRIDOR (IBC 1020.4):	50'-0" MAX	19'-0" MAX
NUMBER OF EXITS (IBC 1006):	2 MIN	9

OCCUPANCY:	B, F-1	
NUMBER OF OCCUPANTS:	121	
MALE OCCUPANTS:	36	
FEMALE OCCUPANTS:	36	
	REQUIRED:	PROVIDED:
WATER CLOSETS - MALE (<i>PER IBC TABLE 2902.1</i>):	2	3
WATER CLOSETS - FEMALE (<i>PER IBC TABLE 2902.1</i>):	2	3
LAVATORIES - MALE (<i>PER IBC TABLE 2902.1</i>):	2	3
LAVATORIES - FEMALE (<i>PER IBC TABLE 2902.1</i>):	2	3
DRINKING FOUNTAINS (<i>PER IBC TABLE 2902.1</i>):		
SERVICE SINK (<i>NOT REQUIRED</i>):	1	2
	1	1

	EXISTING CONSTRUCTION TO REMAIN		ROOM NAME ROOM NAME OCCUPANCY SQUARE FOOTAGE OCCUPANT COUNT LOAD FACTOR
	NEW WALL CONSTRUCTION		
	1-HOUR RATED WALL		
	2-HOUR RATED WALL		
	→ LONGEST COMMON PATH OF EGRESS TRAVEL		OCCUPANCY COUNT AT EXIT
	→ LONGEST EXIT ACCESS TRAVEL DISTANCE		SURFACE MOUNTED FIRE EXTINGUISHER
	→ DEAD END CORRIDOR		INTERNALLY ILLUMINATED EXIT SIGN
	DIAGONAL DISTANCE		INTERNALLY ILLUMINATED EXIT SIGN W/ HORN AND STROBE
	→ EXIT SEPARATION		



GENERAL NOTES - CODE PLAN

1. MODIFICATIONS TO FIRE ALARM AND SPRINKLER SYSTEMS UNDER SEPARATE PERMIT
2. DOORS IN PATH OF EGRESS CANNOT BE LOCKED FROM SIDE OF TRAVEL OF EMERGENCY EGRESS
3. PROVIDE ONE (1) FIRE EXTINGUISHER (MINIMUM 2A10-B) FOR A MAXIMUM AREA PER NFPA TABLE 13.6.3.2.1.1 WITH MAXIMUM 75 LINEAR FEET TRAVEL DISTANCE TO EXTINGUISHER; VERIFY LOCATIONS ARE ACCEPTABLE WITH FIRE MARSHAL
4. PROVIDE AND INSTALL SIGNAGE ABOVE THE MAIN ENTRY DOOR ON THE EGRESS SIDE STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED"

CODE SUMMARY

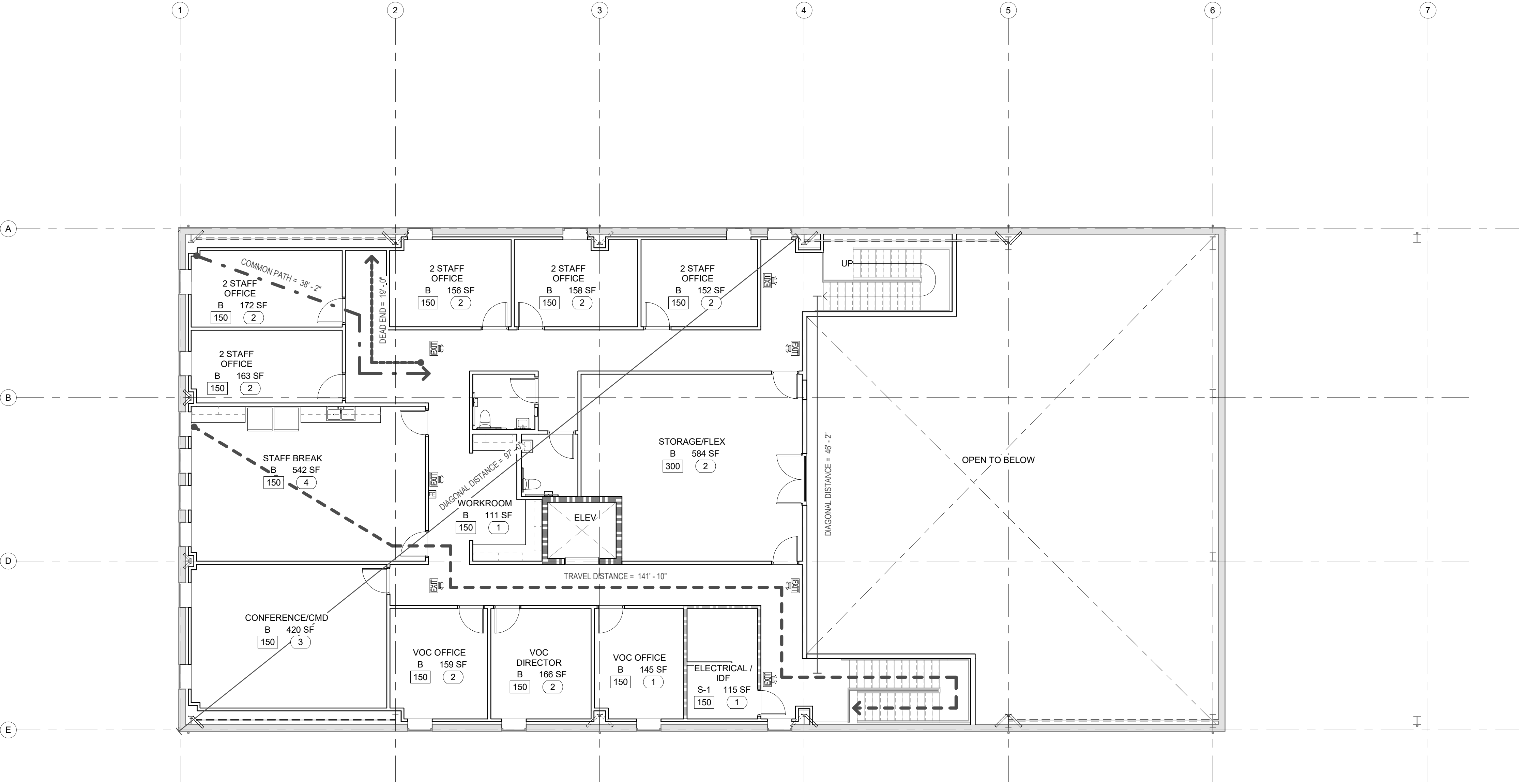
OCCUPANCY:	B, F-1	
SPRINKLERED:	YES	
COMMON PATH OF EGRESS (IBC TABLE 1006.2.1):	REQUIRED: 75'-0" MAX	PROVIDED: 46'-2" MAX
EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2):	250'-0" MAX	141'-10" MAX
DEAD END CORRIDOR (IBC 1020.4):	50'-0" MAX	19'-0" MAX
NUMBER OF EXITS (IBC 1006):	2 MIN	9

PLUMBING SUMMARY

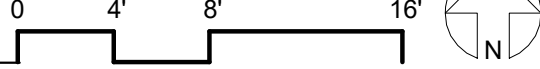
OCCUPANCY:	B, F-1	
NUMBER OF OCCUPANTS:	121	
MALE OCCUPANTS:	36	
FEMALE OCCUPANTS:	36	
	REQUIRED:	PROVIDED:
WATER CLOSETS - MALE (<u>PER IBC TABLE 2902.1</u>):	2	3
WATER CLOSETS - FEMALE (<u>PER IBC TABLE 2902.1</u>):	2	3
LAVATORIES - MALE (<u>PER IBC TABLE 2902.1</u>):	2	3
LAVATORIES - FEMALE (<u>PER IBC TABLE 2902.1</u>):	2	3
DRINKING FOUNTAINS (<u>PER IBC TABLE 2902.1</u>):	1	2
SERVICE SINK (<u>NOT REQUIRED</u>):	1	1

LEGEND - CODE PLAN

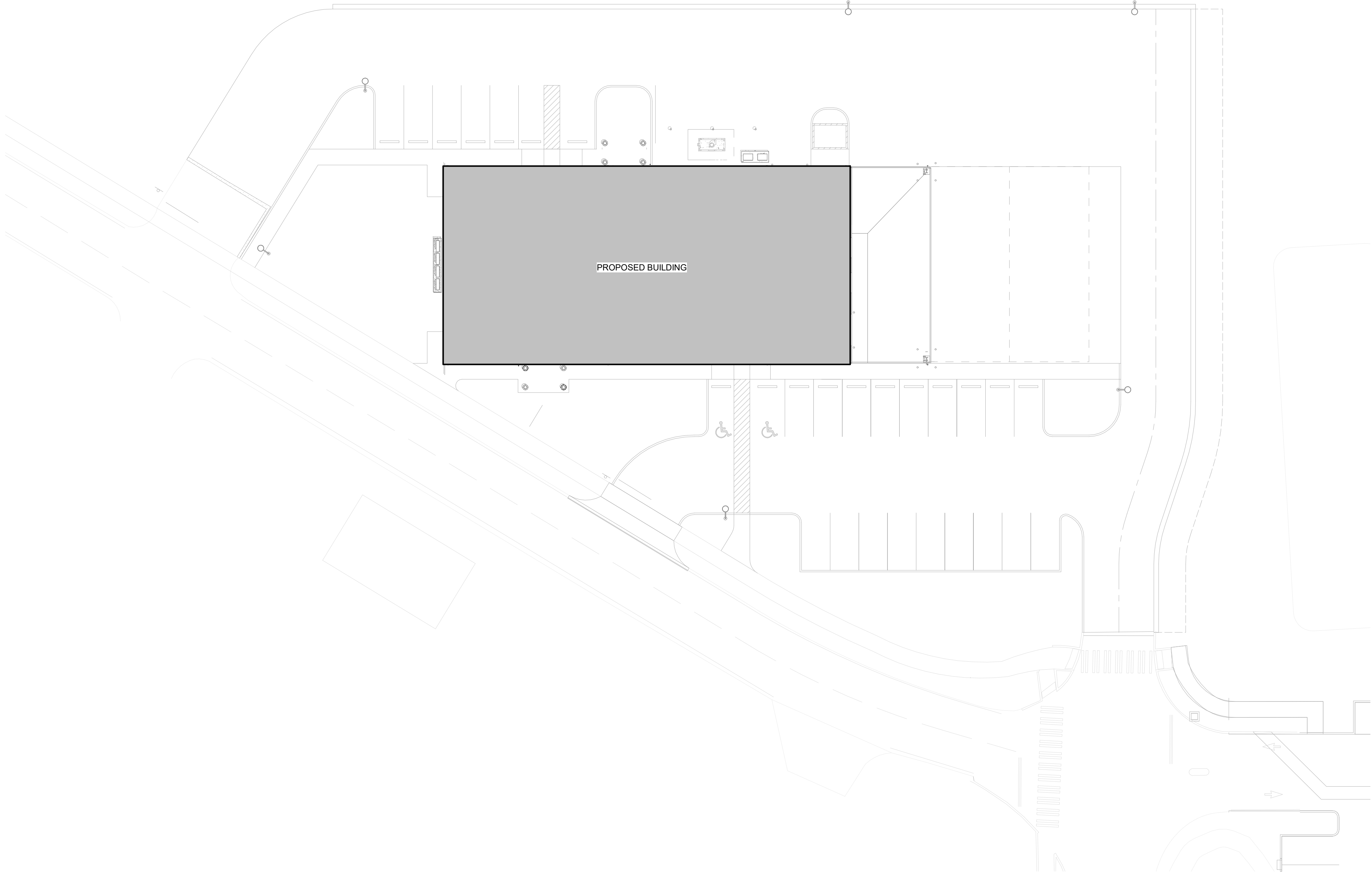
EXISTING CONSTRUCTION TO REMAIN	ROOM NAME	ROOM NAME
NEW WALL CONSTRUCTION	A-2	OCCUPANCY
1-HOUR RATED WALL	15	SQUARE FOOTAGE
2-HOUR RATED WALL	7	OCCUPANT COUNT
LONGEST COMMON PATH OF EGRESS TRAVEL	30 OCC	LOAD FACTOR
LONGEST EXIT ACCESS TRAVEL DISTANCE		OCCUPANCY COUNT AT EXIT
DEAD END CORRIDOR		SURFACE MOUNTED FIRE EXTINGUISHER
DIAGONAL DISTANCE		INTERNALLY ILLUMINATED EXIT SIGN
EXIT SEPARATION		INTERNALLY ILLUMINATED EXIT SIGN W/ HORN AND STROBE



1
A1.12
SECOND FLOOR CODE PLAN
Scale: 1/8" = 1'-0"



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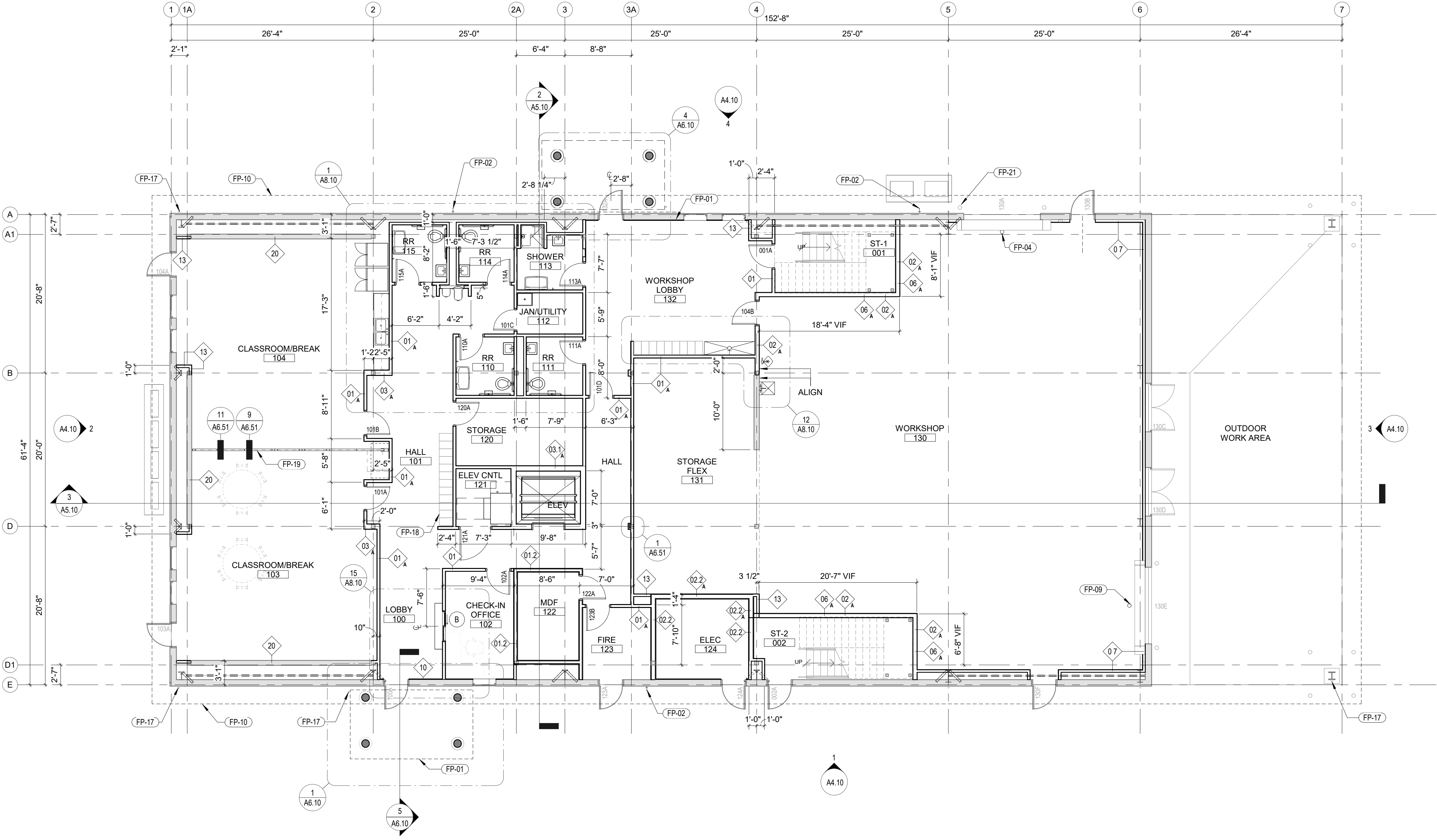


GENERAL NOTES - FLOOR PLAN

1. ALL DIMENSIONS ARE FROM FACE OF STUD UNLESS NOTED OTHERWISE
2. WATER RESISTANT GWB TO BE USED AT ALL WET AREAS
3. PRIOR TO COMPLETION OF CONSTRUCTION, CLEAN ALL SURFACES INCLUDING, BUT NOT LIMITED TO, WINDOWS, STOREFRONTS, SWITCH & OUTLET PLATES, HVAC GRILLES, CEILING GRID, RESTROOM FIXTURES & ACCESSORIES. RESTORE ANY OF THE ABOVE TO LIKE-NEW GOOD WORKING CONDITION AS REQUIRED

KEYNOTES - FLOOR PLAN

FP-01	OUTLINE OF CANOPY AT ENTRY
FP-02	HOSE BIBB; TAMPER RESISTANT WITH SLIM PROFILE
FP-04	FLOOR DRAIN
FP-09	FLOOR DRAIN
FP-10	OUTLINE OF ROOF ABOVE
FP-17	DOWNSPOUT
FP-18	LOCKER
FP-19	OPERABLE PARTITION WALL
FP-21	BOLLARD



1
A3.10
FIRST FLOOR PLAN
Scale: 1/8" = 1'-0"

LEGEND - FLOOR PLAN

	EXISTING CONSTRUCTION TO REMAIN		WALL TAG - SEE SCHEDULE
	NEW WALL CONSTRUCTION		DOOR TAG - SEE SCHEDULE
			WINDOW TAG - SEE SCHEDULE

NISQUALLY VOCATIONAL CENTER
11940 BILLY FRANK JR BLVD SE
OLYMPIA, WA 98513

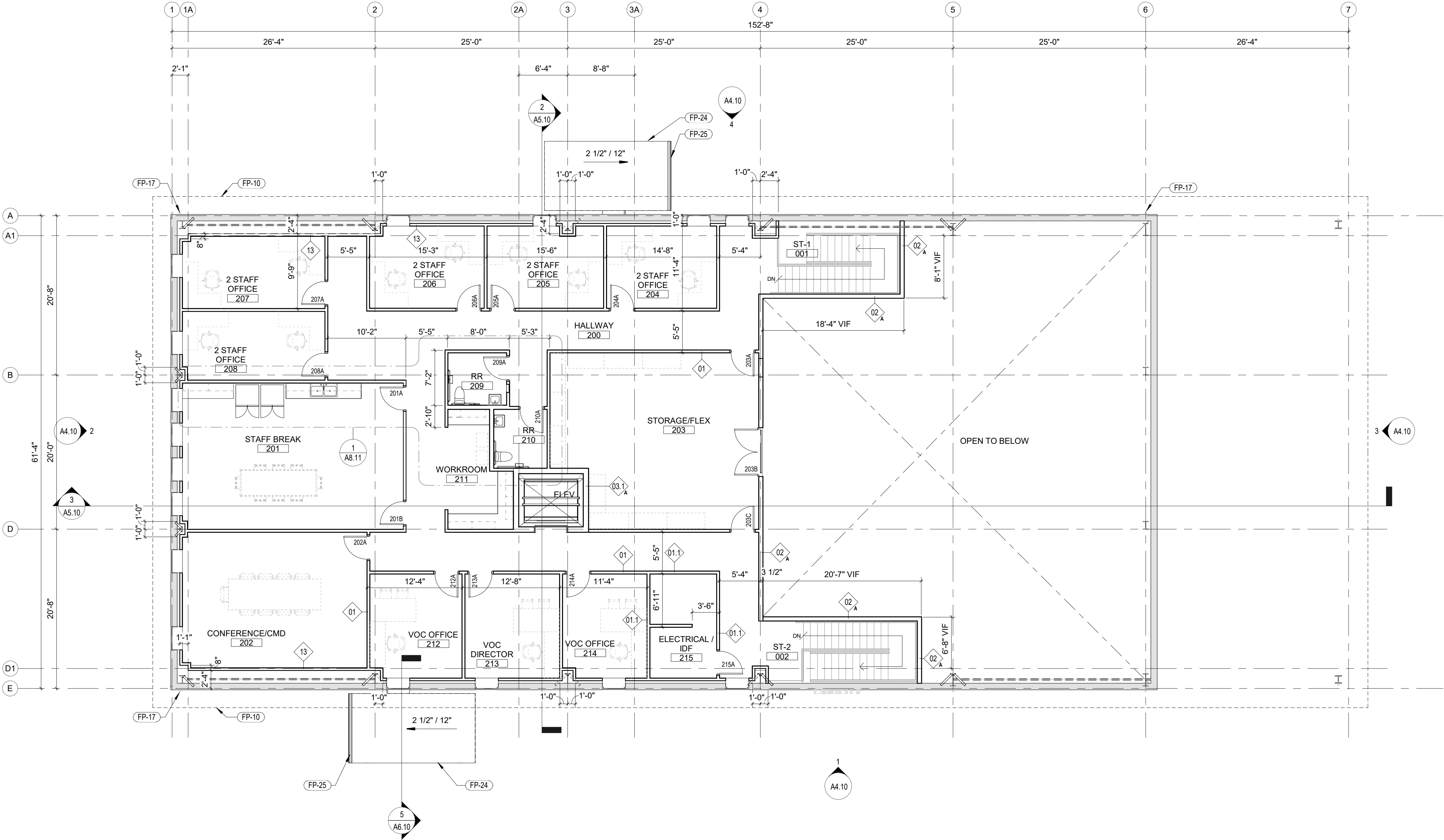
ISSUE LIST	
REFERENCE SET	10.02.2026

GENERAL NOTES - FLOOR PLAN

1. ALL DIMENSIONS ARE FROM FACE OF STUD UNLESS NOTED OTHERWISE
2. WATER RESISTANT GWB TO BE USED AT ALL WET AREAS
3. PRIOR TO COMPLETION OF CONSTRUCTION, CLEAN ALL SURFACES INCLUDING, BUT NOT LIMITED TO, WINDOWS, STOREFRONTS, SWITCH & OUTLET PLATES, HVAC GRILLES, CEILING GRID, RESTROOM FIXTURES & ACCESSORIES. RESTORE ANY OF THE ABOVE TO LIKE-NEW GOOD WORKING CONDITION AS REQUIRED

KEYNOTES - FLOOR PLAN

FP-10	OUTLINE OF ROOF ABOVE
FP-17	DOWNSPOUT
FP-24	ENTRANCE CANOPY
FP-25	METAL GUTTER



1
A3.11
SECOND FLOOR PLAN
Scale: 1/8" = 1'-0"

LEGEND - FLOOR PLAN

	EXISTING CONSTRUCTION TO REMAIN		WALL TAG - SEE SCHEDULE
	NEW WALL CONSTRUCTION		DOOR TAG - SEE SCHEDULE
			WINDOW TAG - SEE SCHEDULE

NISQUALLY VOCATIONAL CENTER

11940 BILLY FRANK JR BLVD SE
OLYMPIA, WA 98513

ISSUE LIST	
REFERENCE SET	10.02.2026

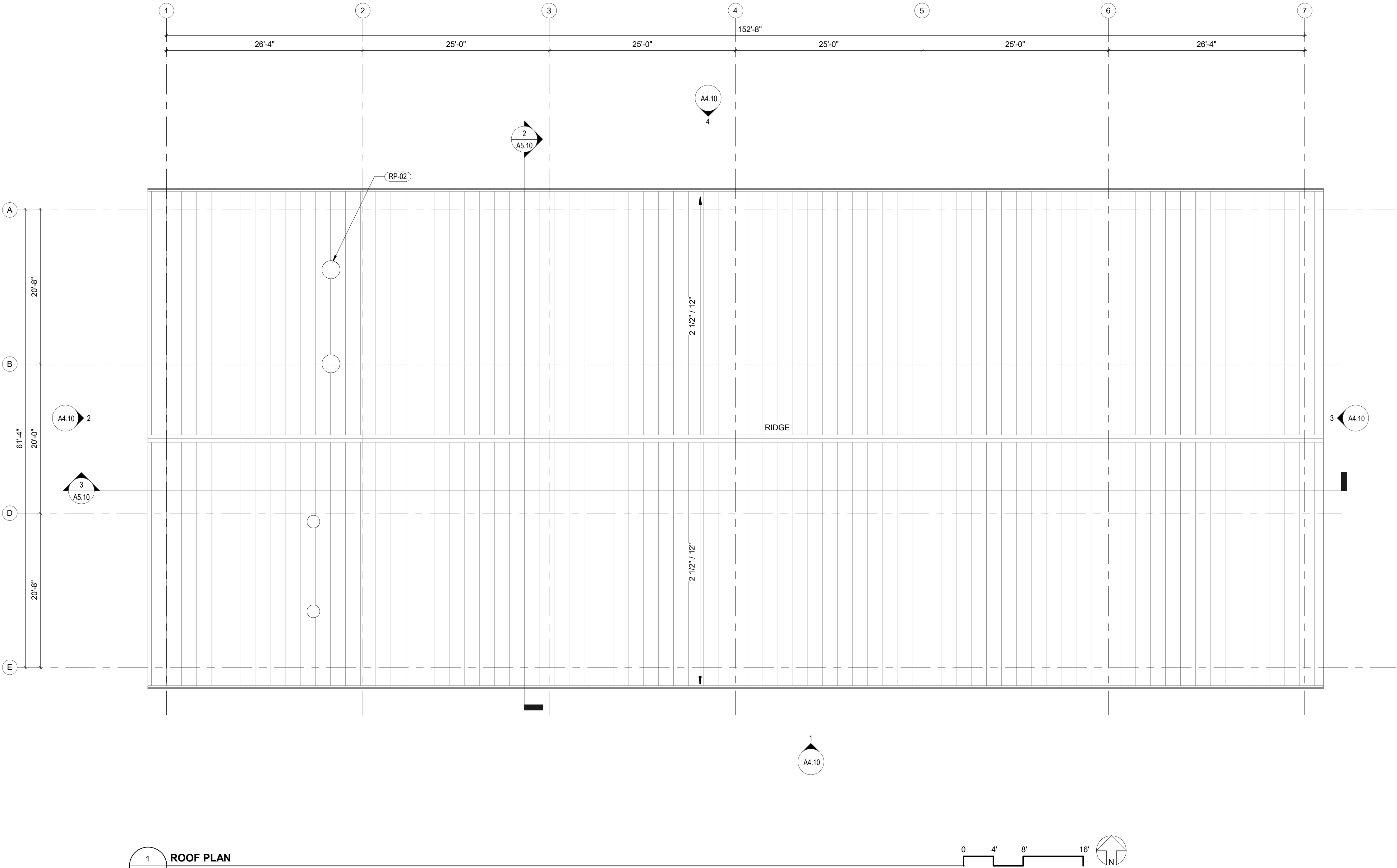
GENERAL NOTES - ROOF PLAN

KEYNOTES - ROOF PLAN

RP-02 ROOF HOOD VENT

LEGEND - ROOF PLAN

ROOF PANEL PROVIDED BY
PRE ENGINEER METAL
BUILDING- BRICK RED PAINT
FINISH



1 ROOF PLAN
A3.21 Scale: 1/8" = 1'-0"

GENERAL NOTES - FURNITURE PLAN

- ALL FURNITURE, FIXTURES AND EQUIPMENT MUST BE COMPLIANT UNDER LOCAL, FEDERAL AND STATE COMPLIANCE FOR COMMERCIAL INTERIORS
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON FURNISHINGS, ART, DECOR AND DRAPERY
- ALL FURNITURE TO BE CONTRACT GRADE

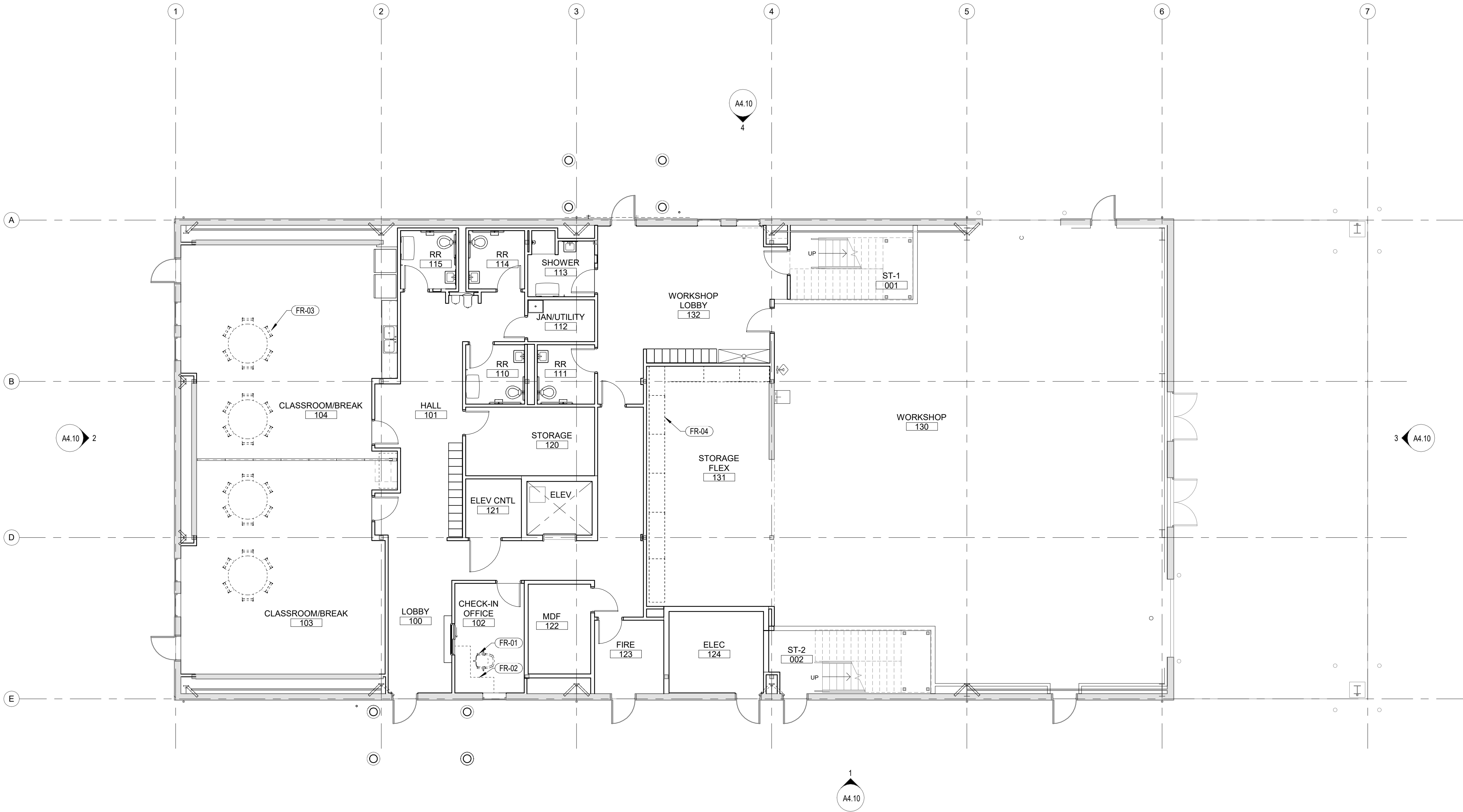
KEYNOTES - FURNITURE PLAN

FR-01	OFFICE CHAIR
FR-02	OFFICE DESK
FR-03	BREAKROOM TABLE AND CHAIRS
FR-04	UTILITY SHELF

LEGEND - FURNITURE PLAN

	EXISTING CONSTRUCTION TO REMAIN
	NEW WALL CONSTRUCTION

ROOM NAME	ROOM TAG
100	



1
A3.40
FIRST FLOOR FURNITURE PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES - FURNITURE PLAN

1. ALL FURNITURE, FIXTURES AND EQUIPMENT MUST BE COMPLIANT UNDER LOCAL, FEDERAL AND STATE COMPLIANCE FOR COMMERCIAL INTERIORS
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON FURNISHINGS, ART, DECOR AND DRAPERY
3. ALL FURNITURE TO BE CONTRACT GRADE

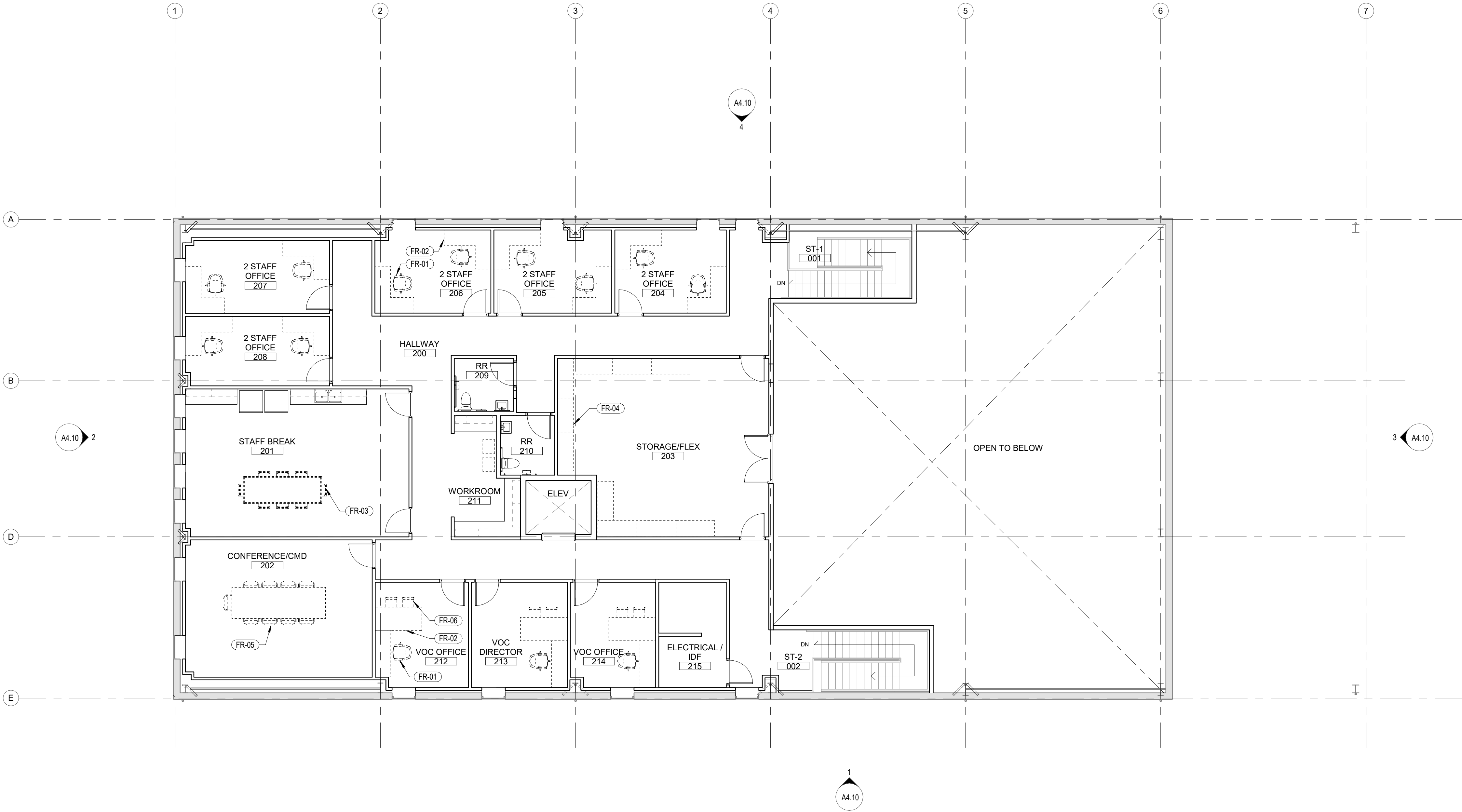
KEYNOTES - FURNITURE PLAN

FR-01	OFFICE CHAIR
FR-02	OFFICE DESK
FR-03	BREAKROOM TABLE AND CHAIRS
FR-04	UTILITY SHELF
FR-05	CONFERENCE TABLE AND CHAIRS
FR-06	GUEST CHAIR

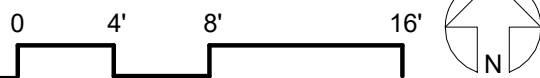
LEGEND - FURNITURE PLAN

	EXISTING CONSTRUCTION TO REMAIN
	NEW WALL CONSTRUCTION

ROOM NAME	ROOM TAG
100	



1
A3.41
SECOND FLOOR FURNITURE PLAN
Scale: 1/8" = 1'-0"



GENERAL NOTES - FINISH PLAN

- PATCH AND REPAIR FLOORING FINISHES, PAINTED SURFACES, AND BASE AS IS REQUIRED BY CONSTRUCTION TO MATCH EXISTING ADJACENT FINISHES. PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLING ALL FINISHES
- SUBMIT FINISH SAMPLES TO OWNER AND ARCHITECT/ DESIGNER FOR APPROVAL PRIOR TO ORDERING MATERIAL
- ANY ITEMS OR SURFACES WHICH ARE UNSPECIFIED AS TO MATERIAL AND/OR COLOR ARE TO BE BROUGHT TO THE DESIGNERS ATTENTION FOR SPECIFICATION
- HEIGHT DIFFERENCES BETWEEN FLOORING MATERIALS SHALL BEVEL AT A RATIO OF 1:2 IF GREATER THAN 1/4" PER ADA ACCESSIBILITY CODES
ALL PAINT TO BE LOW VOC
- REFER TO **A6.51** FOR ALL DISSIMILAR FLOORING TRANSITIONS. ALL TRANSITIONS TO BE CENTERED ON DOOR WHEN IN A FULLY CLOSED POSITION, UNLESS NOTED OTHERWISE
- INSTALL DIRECTIONAL FLOORING AS SPECIFIED IN THE FINISH PLAN
- ALL DIMENSIONS ARE EDGE OF FINISH TO EDGE OF FINISH, UNLESS NOTED OTHERWISE
- MAINTAIN SLOPE OF 1/8" PER FOOT MINIMUM TO ANY FLOOR DRAIN, UNLESS NOTED OTHERWISE
- SUBSTITUTIONS MUST BE FORMALLY COMMUNICATED IN WRITING AND SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. IF SUBSTITUTIONS ARE EXECUTED WITHOUT APPROVAL FROM OWNER/ DESIGNER, NO RESPONSIBILITY OR LIABILITY FOR THE NEW SELECTION WILL BE ASSUMED BY FREIHEIT ARCHITECTURE
- PROVIDE APPROPRIATE TRANSITION MATERIAL AS REQUIRED WHERE DISSIMILAR FLOORING MATERIALS INTERSECT
- MANUFACTURER IS RESPONSIBLE FOR STRUCTURAL AND MATERIAL INTEGRITY. GOODS MUST BE CONTRACT QUALITY AND SUITABLE FOR COMMERCIAL USE. MATERIAL SHALL NOT WARP, CRACK, RUST, CORRODE OR SEPARATE DUE TO DRY OR HUMID CONDITIONS
- ARCHITECTURAL FINISHES MUST BE CLASS A, ASTM E-84 COMPLIANT FOR ALL COMMERCIAL AND HOSPITALITY INTERIOR ARCHITECTURAL APPLICATIONS
- ALL HARD SURFACES MUST MEET LOCAL DCOF REQUIREMENTS TO AVOID SLIPPERY SURFACES. IF POLISHED MATERIAL IS USED ON FLOORING, GC TO TREAT WITH ANTI-SLIP SEALER
- GENERAL CONTRACTOR TO VERIFY ALL QUANTITIES OF INTERIOR ARCHITECTURAL FINISHES AND HARDWIRED DECORATIVE LIGHTING PRIOR TO PURCHASE AND INSTALLATION
- WALLCOVERING TO TERMINATE AT INSIDE CORNER ONLY. IF WALLCOVERING TERMINATES AT OUTSIDE CORNER, TRANSITION STRIP OR TRIM IS TO BE USED FOR CLEAN TRANSITION
- NO CENTER SEAMS FOR WALLCOVERING WHEN INSTALLED ON WALLS. CENTER PANEL ON CENTER OF WALL AS STARTING POINT

PANT		
P-1	MFR: TBD COLOR: TBD FINISH: TBD CONTACT: TBD	STANDARD PAINT COLOR, UNLESS NOTED OTHERWISE
WALL COVERING		
FRP-1 FRP WALL COVERING	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
TL-1 WALL TILE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WALL BASE		
WB-1 RUBBER BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WB-2 TILE WALL BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
SEALED CONCRETE		
SC-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
CARPET TILE		
CT-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
VINYL		
LVP-1 LUXURY VINYL PLANK	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
OTHER		
MAT-1 WALK-OFF MAT	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	

LEGEND - FINISH PLAN

	CARPET	ROOM NAME 100 xxx-x xxx-x xxx-x ROOM NUMBER WALL FINISH WALL BASE FLOOR FINISH
	VINYL PLANK	
	POLISHED CONCRETE	



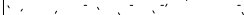
1 FIRST FLOOR FINISH PLAN
A3.50 Scale: 1/8" = 1'-0"

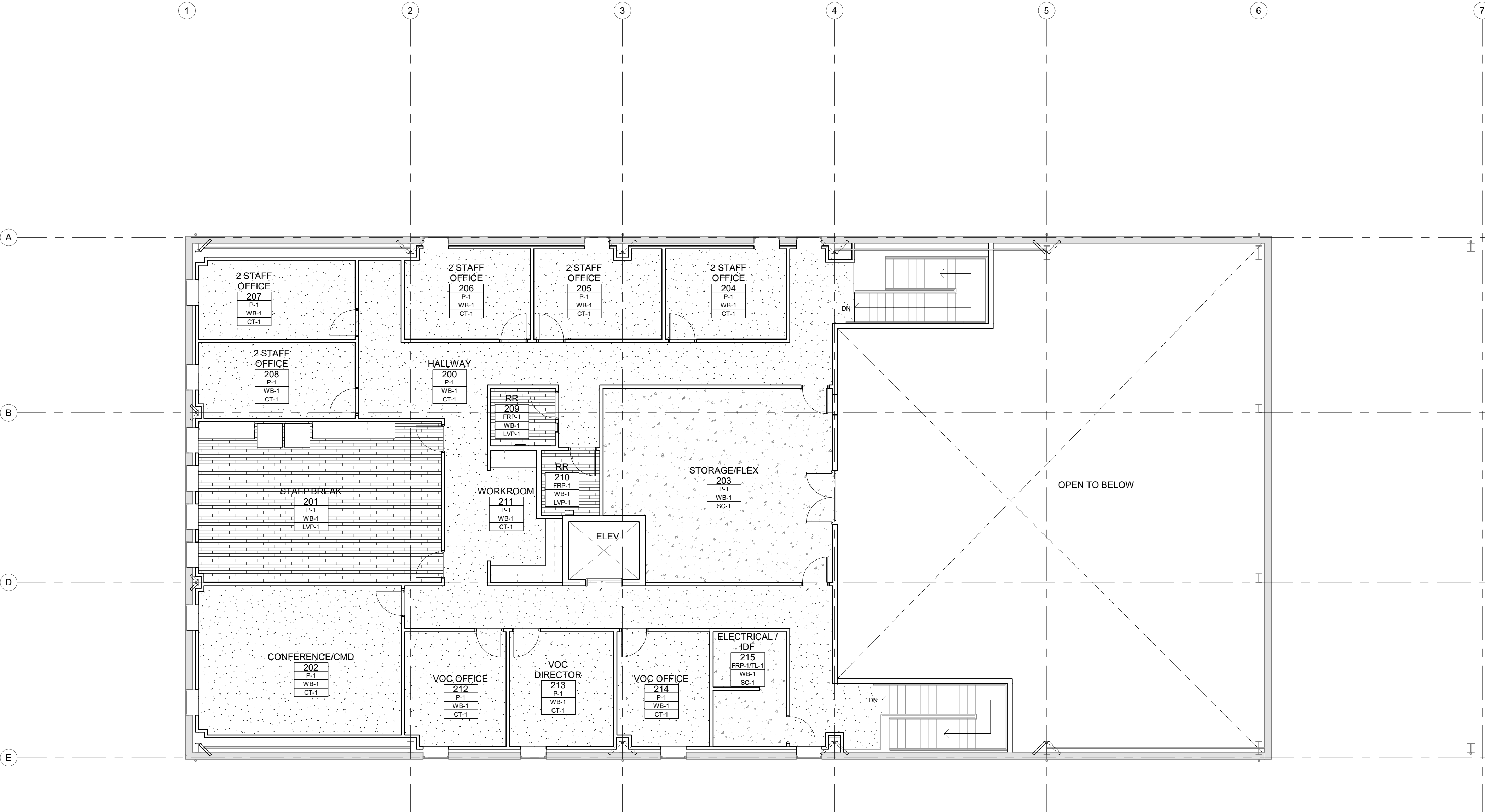
GENERAL NOTES - FINISH PLAN

- PATCH AND REPAIR FLOORING FINISHES, PAINTED SURFACES, AND BASE AS IS REQUIRED BY CONSTRUCTION TO MATCH EXISTING ADJACENT FINISHES. PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLING ALL FINISHES
- SUBMIT FINISH SAMPLES TO OWNER AND ARCHITECT/ DESIGNER FOR APPROVAL PRIOR TO ORDERING MATERIAL
- ANY ITEMS OR SURFACES WHICH ARE UNSPECIFIED AS TO MATERIAL AND/OR COLOR ARE TO BE BROUGHT TO THE DESIGNERS ATTENTION FOR SPECIFICATION
- HEIGHT DIFFERENCES BETWEEN FLOORING MATERIALS SHALL BEVEL AT A RATIO OF 1:2 IF GREATER THAN 1/4" PER ADA ACCESSIBILITY CODES
ALL PAINT TO BE LOW VOC
- REFER TO **A6.51** FOR ALL DISSIMILAR FLOORING TRANSITIONS. ALL TRANSITIONS TO BE CENTERED ON DOOR WHEN IN A FULLY CLOSED POSITION, UNLESS NOTED OTHERWISE
- INSTALL DIRECTIONAL FLOORING AS SPECIFIED IN THE FINISH PLAN
- ALL DIMENSIONS ARE EDGE OF FINISH TO EDGE OF FINISH, UNLESS NOTED OTHERWISE
- MAINTAIN SLOPE OF 1/8" PER FOOT MINIMUM TO ANY FLOOR DRAIN, UNLESS NOTED OTHERWISE
- SUBSTITUTIONS MUST BE FORMALLY COMMUNICATED IN WRITING AND SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. IF SUBSTITUTIONS ARE EXECUTED WITHOUT APPROVAL FROM OWNER/ DESIGNER, NO RESPONSIBILITY OR LIABILITY FOR THE NEW SELECTION WILL BE ASSUMED BY FREIHEIT ARCHITECTURE
- PROVIDE APPROPRIATE TRANSITION MATERIAL AS REQUIRED WHERE DISSIMILAR FLOORING MATERIALS INTERSECT
- MANUFACTURER IS RESPONSIBLE FOR STRUCTURAL AND MATERIAL INTEGRITY. GOODS MUST BE CONTRACT QUALITY AND SUITABLE FOR COMMERCIAL USE. MATERIAL SHALL NOT WARP, CRACK, RUST, CORRODE OR SEPARATE DUE TO DRY OR HUMID CONDITIONS
- ARCHITECTURAL FINISHES MUST BE CLASS A, ASTM E-84 COMPLIANT FOR ALL COMMERCIAL AND HOSPITALITY INTERIOR ARCHITECTURAL APPLICATIONS
- ALL HARD SURFACES MUST MEET LOCAL DCOF REQUIREMENTS TO AVOID SLIPPERY SURFACES. IF POLISHED MATERIAL IS USED ON FLOORING, GC TO TREAT WITH ANTI-SLIP SEALER
- GENERAL CONTRACTOR TO VERIFY ALL QUANTITIES OF INTERIOR ARCHITECTURAL FINISHES AND HARDWIRED DECORATIVE LIGHTING PRIOR TO PURCHASE AND INSTALLATION
- WALLCOVERING TO TERMINATE AT INSIDE CORNER ONLY. IF WALLCOVERING TERMINATES AT OUTSIDE CORNER, TRANSITION STRIP OR TRIM IS TO BE USED FOR CLEAN TRANSITION
- NO CENTER SEAMS FOR WALLCOVERING WHEN INSTALLED ON WALLS. CENTER PANEL ON CENTER OF WALL AS STARTING POINT

PAINT		
P-1	MFR: TBD COLOR: TBD FINISH: TBD CONTACT: TBD	STANDARD PAINT COLOR, UNLESS NOTED OTHERWISE
WALL COVERING		
FRP-1 FRP WALL COVERING	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
TL-1 WALL TILE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WALL BASE		
WB-1 RUBBER BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WB-2 TILE WALL BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
SEALED CONCRETE		
SC-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
CARPET TILE		
CT-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
VINYL		
LVP-1 LUXURY VINYL PLANK	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
OTHER		
MAT-1 WALK-OFF MAT	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	

LEGEND - FINISH PLAN

	CARPET	ROOM NAME <table><tr><td>100</td><td>ROOM NUMBER</td></tr><tr><td>xxx-x</td><td>WALL FINISH</td></tr><tr><td>xxx-x</td><td>WALL BASE</td></tr><tr><td>xxx-x</td><td>FLOOR FINISH</td></tr></table>	100	ROOM NUMBER	xxx-x	WALL FINISH	xxx-x	WALL BASE	xxx-x	FLOOR FINISH
100	ROOM NUMBER									
xxx-x	WALL FINISH									
xxx-x	WALL BASE									
xxx-x	FLOOR FINISH									
	VINYL PLANK									
	POLISHED CONCRETE									



1
A3.51
SECOND FLOOR FINISH PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

1. FIELD VERIFY ALL ROUGH OPENINGS PRIOR TO ORDERING SYSTEMS
2. SEE **A6.45** FOR TYPICAL FLASHING SEQUENCE
3. REFER TO MECHANICAL FOR ADDITIONAL LOUVER REQUIREMENTS
4. SIGNAGE LOCATIONS ARE APPROXIMATE. REFER TO SIGNAGE DRAWINGS FOR SIZE, MATERIALS, AND POWER REQUIREMENTS
5. SEE SECTIONS FOR VERTICAL DIMENSIONS

GENERAL NOTES - GLAZING

1. FIELD VERIFY ALL ROUGH OPENINGS PRIOR TO ORDERING WINDOWS
2. MATERIALS AND COLORS PER WINDOW SCHEDULE LEGEND OR APPROVED SIMILAR
3. GLAZING SHALL BE LABELED WITH RATED U-FACTOR, SHGC, VT, AND LEAKAGE RATING

ENVELOPE FENESTRATION PERCENTAGE

	FACADE AREA	GLAZING AREA	PERCENTAGE
EAST ELEVATION:	1,750 SF	25 SF	1.43 %
SOUTH ELEVATION:	3,163 SF	67 SF	2.12 %
WEST ELEVATION:	1,750 SF	145 SF	8.29 %
NORTH ELEVATION	3,163 SF	80 SF	2.53 %
TOTAL:	9,926 SF	317 SF	3.19 %

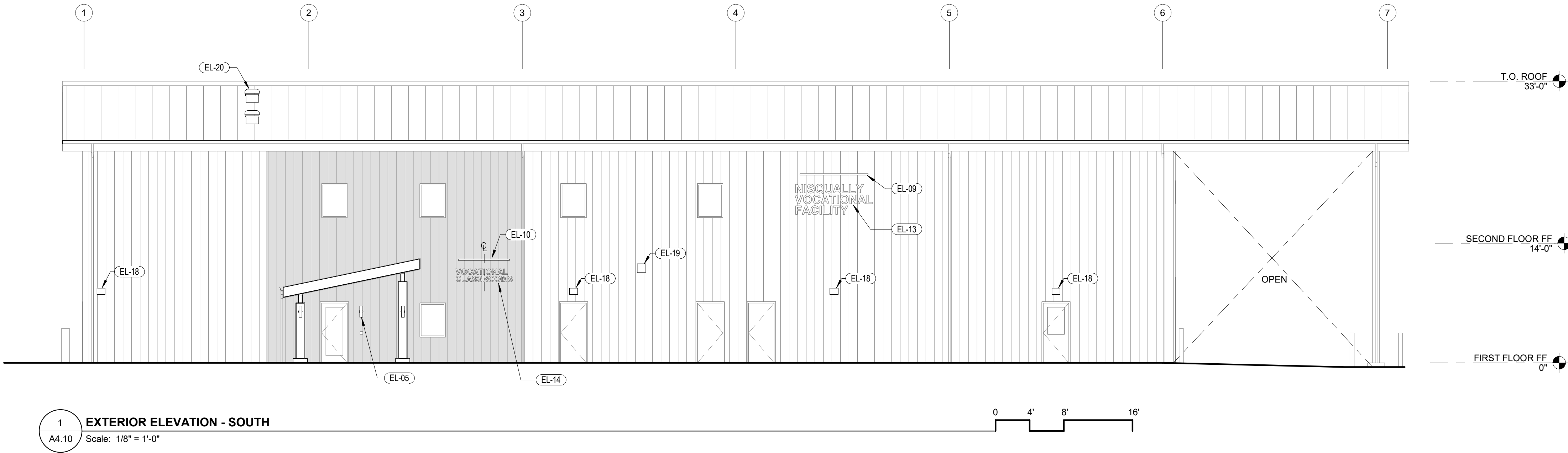
NOTES:
1. TOTAL VERTICAL FENESTRATION AREA TO NOT EXCEED 30% OF THE TOTAL BUILDING GROSS ABOVE-GRADE WALL AREA.
2. TOTAL VERTICAL FENESTRATION AREA TO NOT EXCEED 40% OF THE TOTAL BUILDING GROSS ABOVE-GRADE WALL AREA IF COMPLYING WITH WSEC C402.4.1.1.1 OR C402.4.1.1.2 FOR THE PURPOSE OF PRESCRIPTIVE COMPLIANCE WITH SECTION C402.1.4.

KEYNOTES - ELEVATION

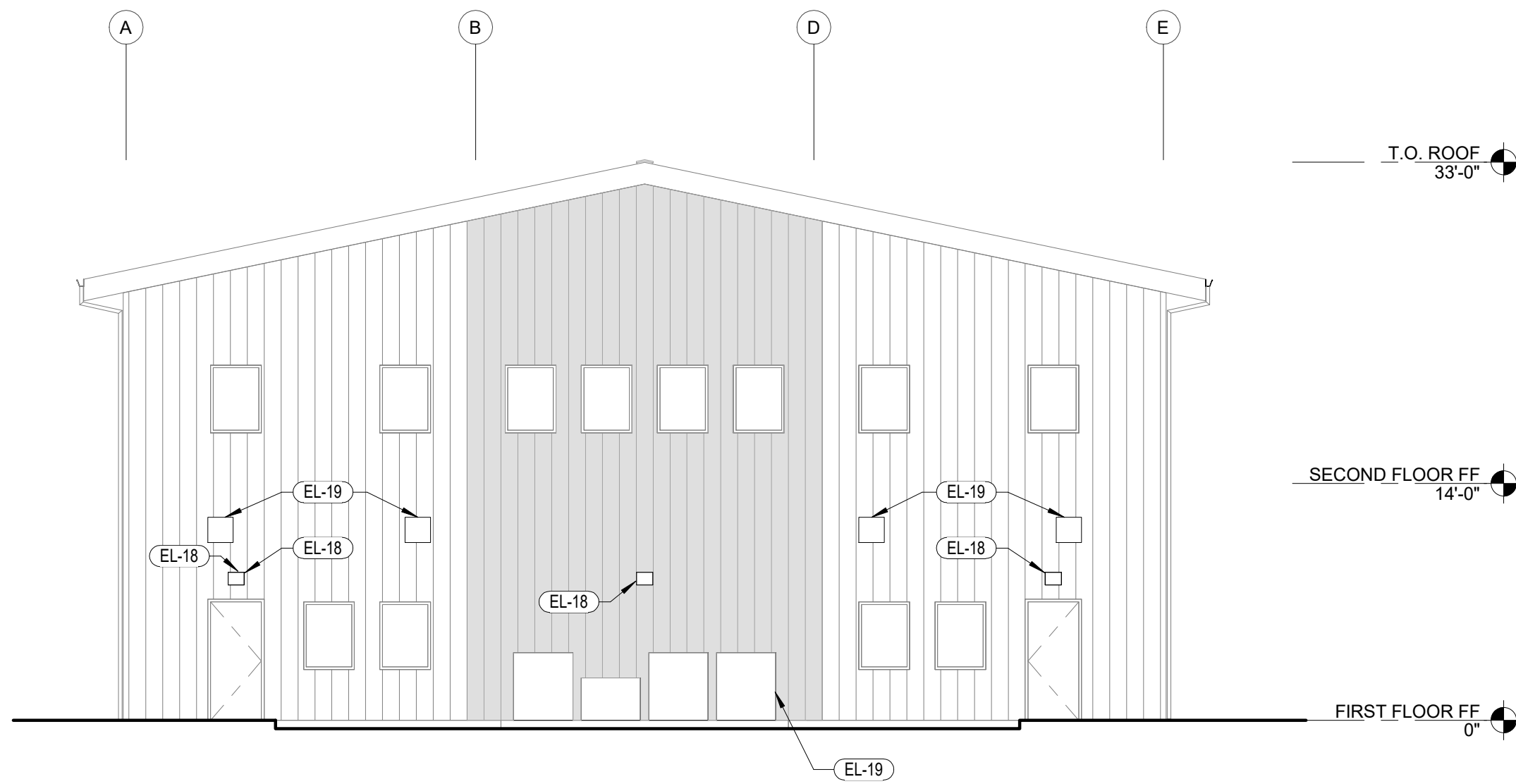
EL-02	DOWNSPOUT
EL-03	BOLLARD PER CIVIL
EL-04	METAL FLASHING SEE DETAIL 1/A6.45
EL-05	J-BOX FOR FUTURE LIGHT FIXTURES
EL-07	METAL GUTTER
EL-08	INTAKE / EXHAUST PER MECHANICAL
EL-09	8" LINEAR WALL MOUNTED LIGHT FIXTURES
EL-10	6" LINEAR WALL MOUNTED LIGHT FIXTURES
EL-11	CONCRETE BASE FOR ENTRANCE CANOPY
EL-12	AUTOMATIC DOOR OPERATOR ACTUATOR
EL-13	METAL WALL MOUNTED SIGNAGE; 12" LETTERING, 4" BETWEEN ROWS; COORDINATE "TEXT" WITH OWNER
EL-14	METAL WALL MOUNTED SIGNAGE; 8" LETTERING, 4" BETWEEN ROWS; COORDINATE "TEXT" WITH OWNER
EL-15	LOUVERS PER MECHANICAL
EL-17	CONCRETE PAD FOR FUTURE MECHANICAL UNIT
EL-18	WALL MOUNTED LIGHT FIXTURES
EL-19	MECHANICAL UNIT PER MECHANICAL
EL-20	ROOF HOOD VENT
EL-21	STEEL RIDGE CAP

LEGEND - EXTERIOR ELEVATION

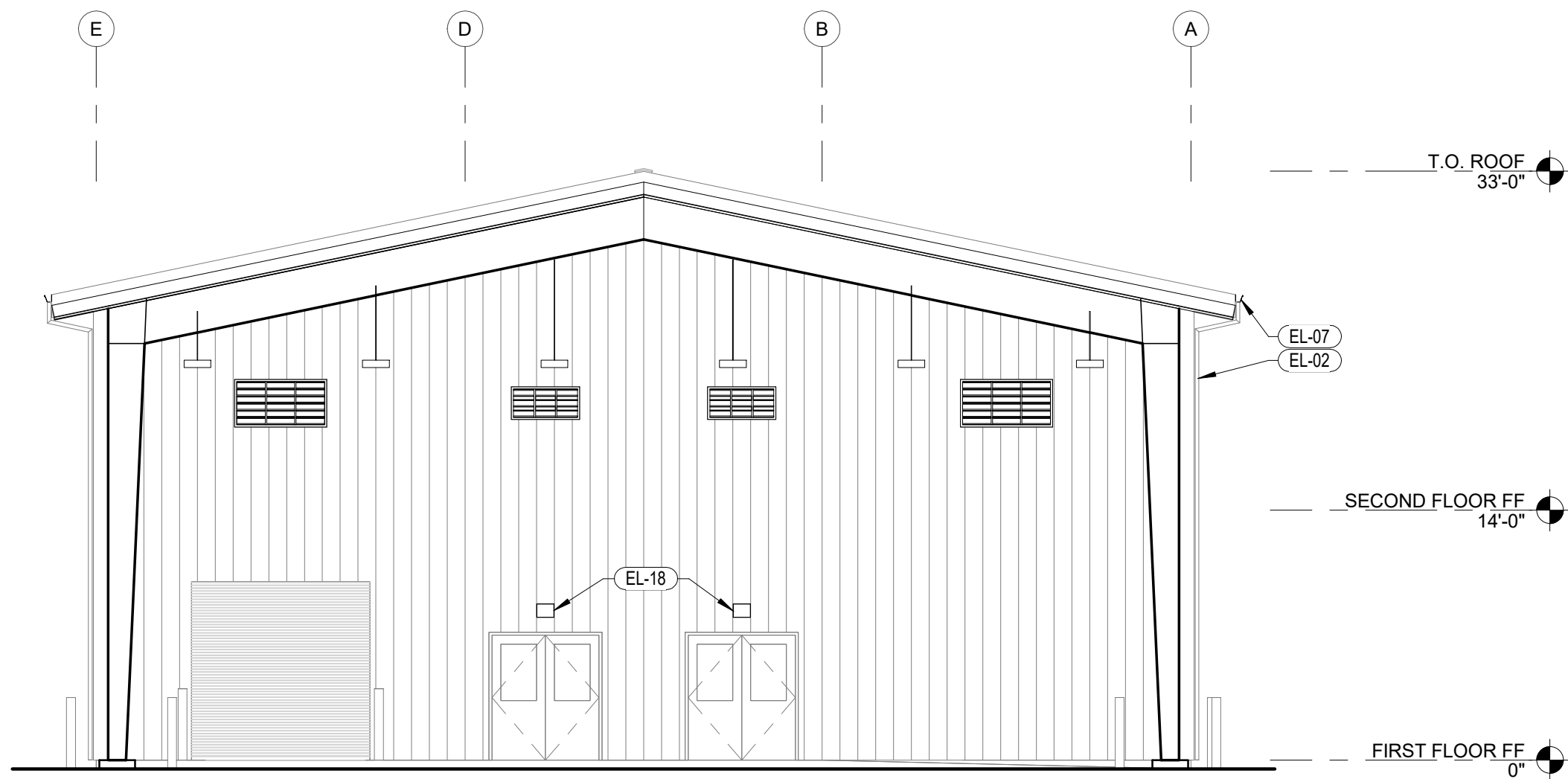
	METAL PANEL PROVIDED BY PRE ENGINEER METAL BUILDING - CHARCOAL GRAY		ELEVATION MARK (RELATIVE)
	METAL PANEL PROVIDED BY PRE ENGINEER METAL BUILDING - FOX GRAY		



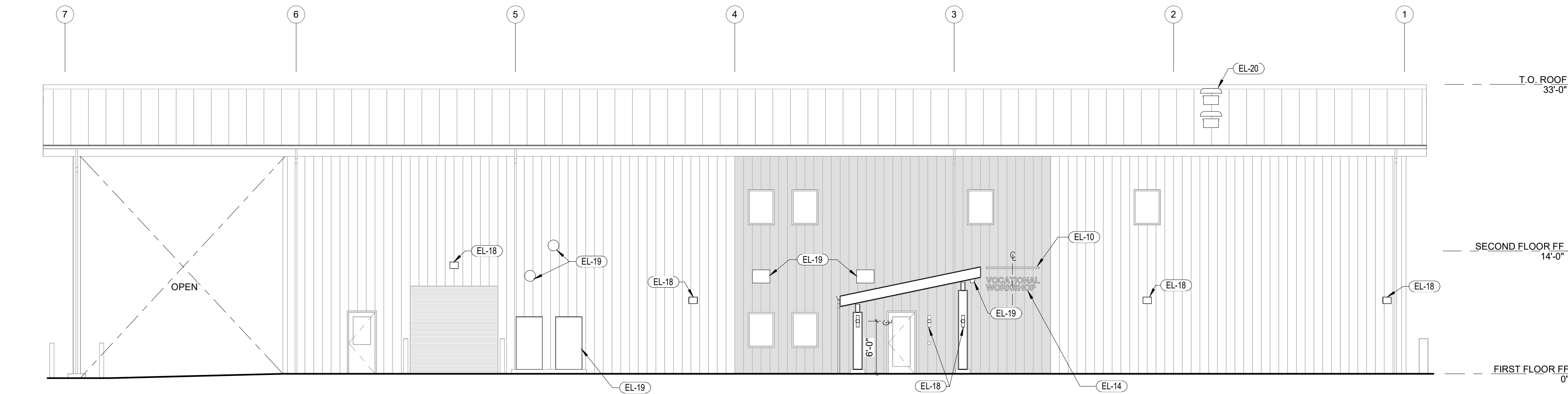
1 EXTERIOR ELEVATION - SOUTH
A4.10 Scale: 1/8" = 1'-0"



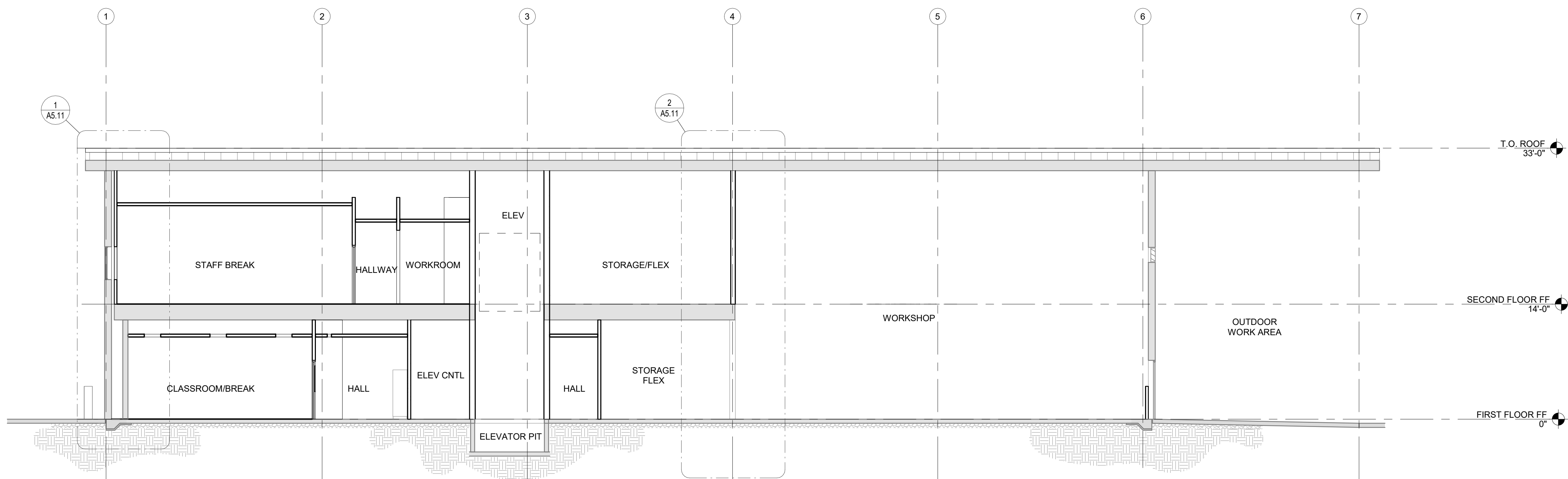
2 EXTERIOR ELEVATION - WEST
A4.10 Scale: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST
A4.10 Scale: 1/8" = 1'-0"

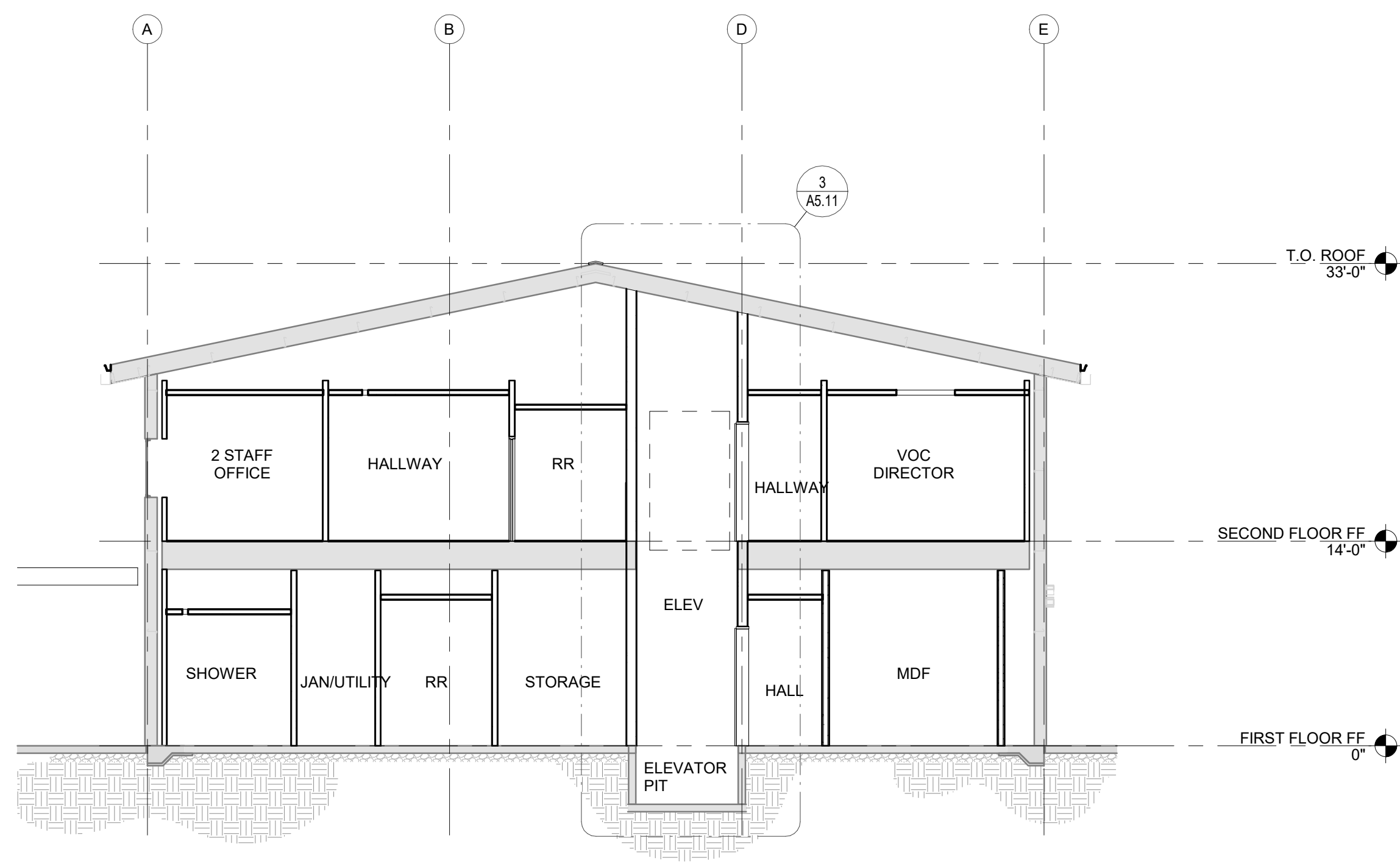


4 EXTERIOR ELEVATION - NORTH
A4.10 Scale: 1/8" = 1'-0"



3 BUILDING SECTION
A5.10 / Scale: 1/8" = 1'-0"

0 4' 8' 16'



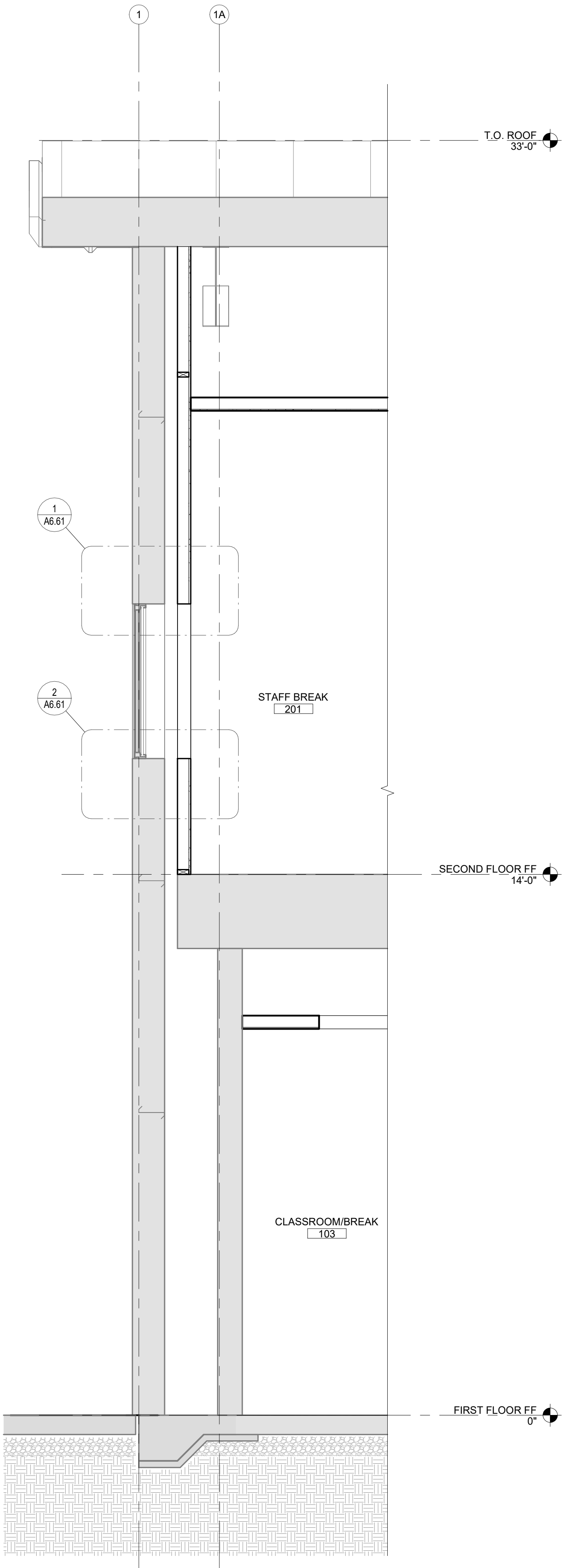
2 BUILDING SECTION
A5.10 / Scale: 1/8" = 1'-0"

0 4' 8' 16'

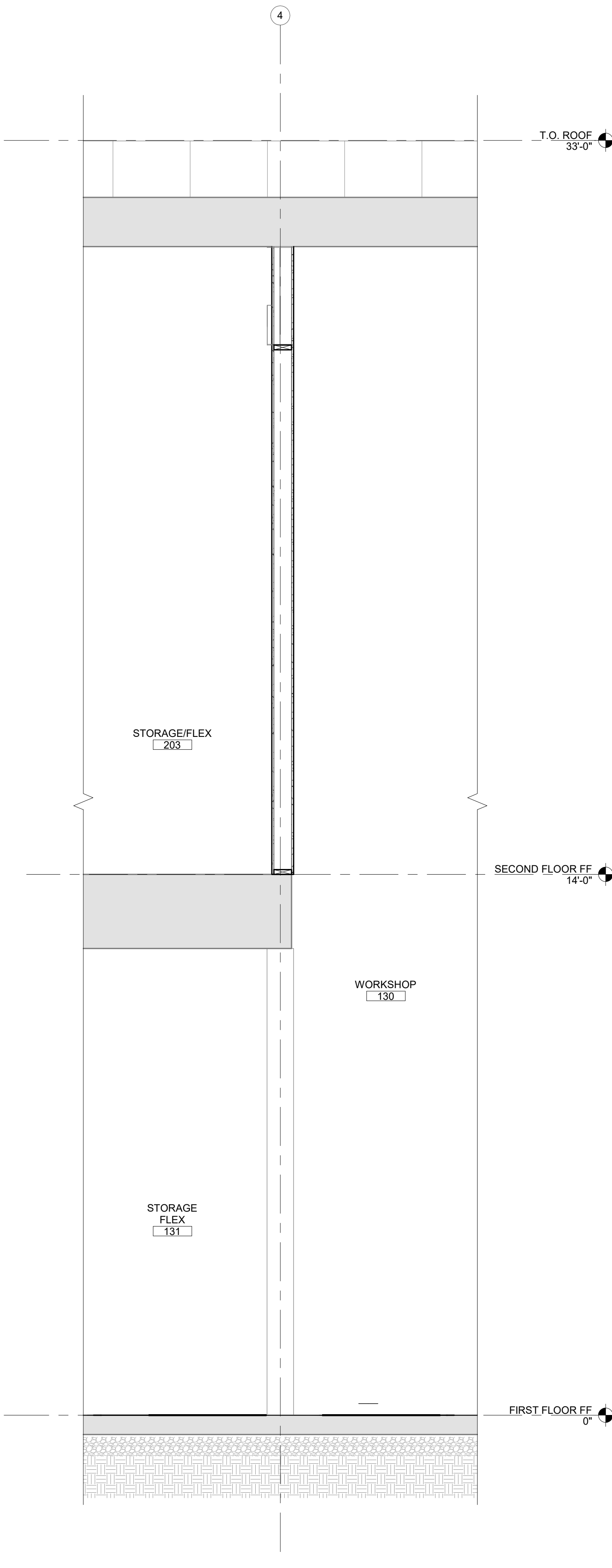
LEGEND - BUILDING SECTION

- EXISTING CONSTRUCTION TO REMAIN
- NEW ASSEMBLY

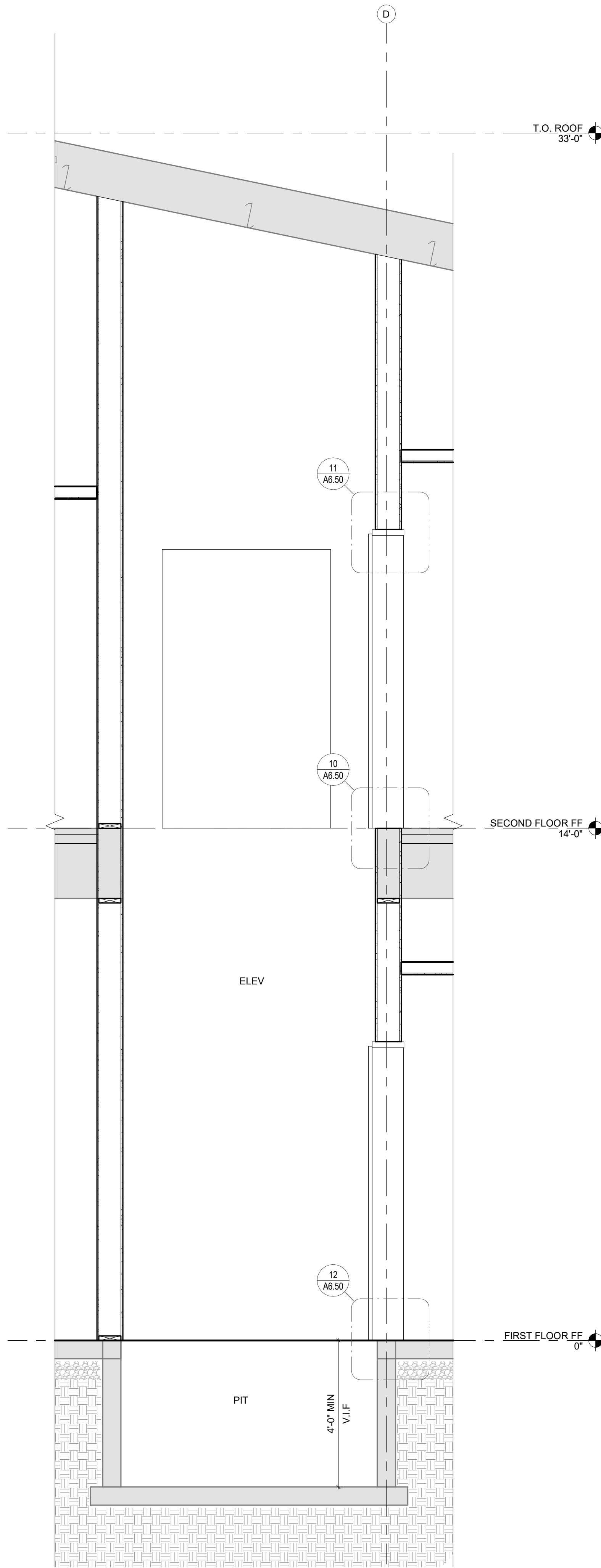
ISSUE LIST
REFERENCE SET 10.02.2026



1 WALL SECTION
A5.11 Scale: 1/2" = 1'-0"



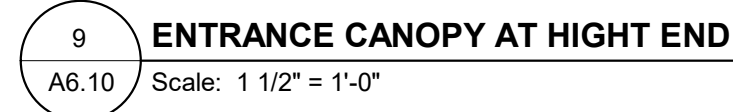
2 WALL SECTION
A5.11 Scale: 1/2" = 1'-0"

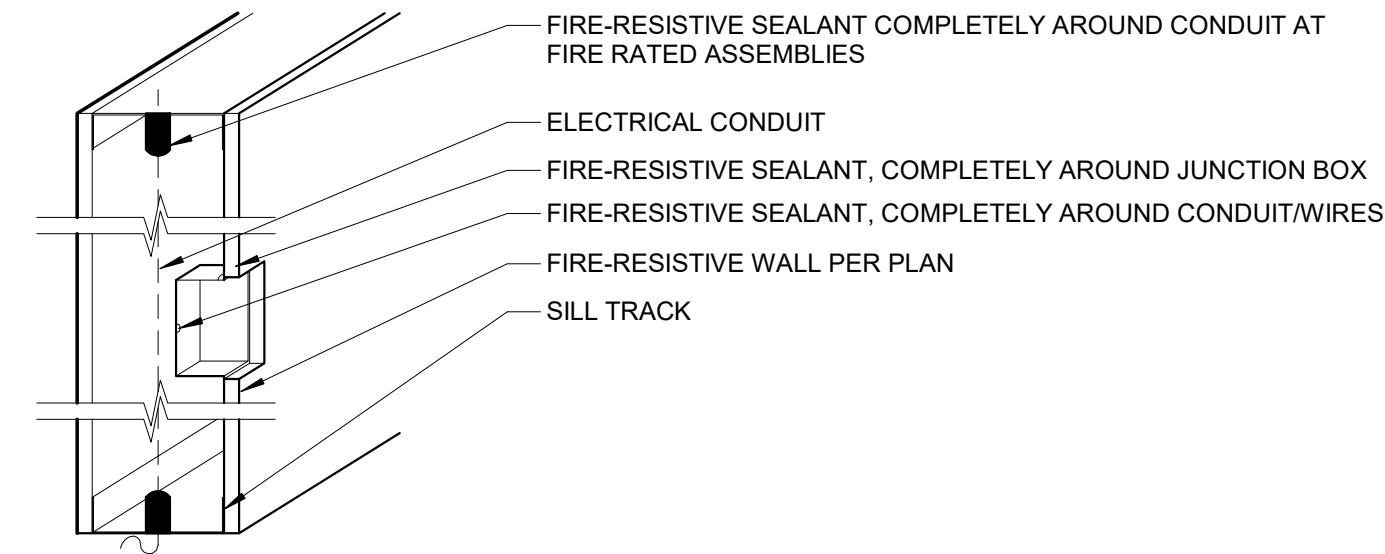


3 WALL SECTION
A5.11 Scale: 1/2" = 1'-0"

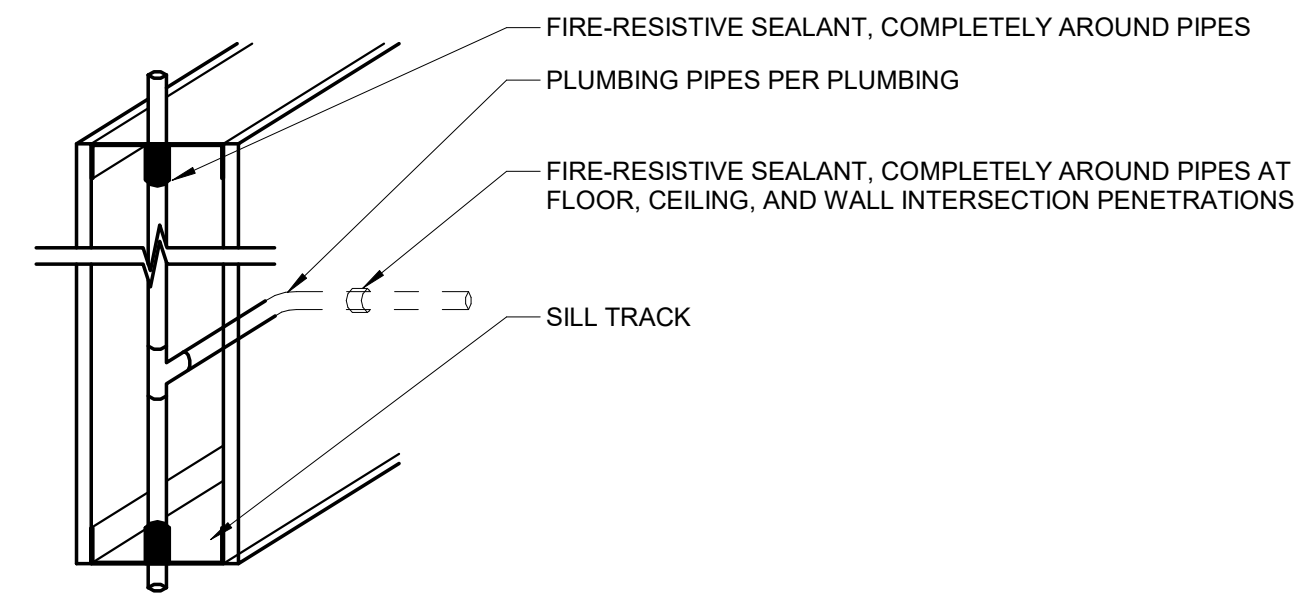
LEGEND - BUILDING SECTION

- EXISTING CONSTRUCTION TO REMAIN
- NEW ASSEMBLY

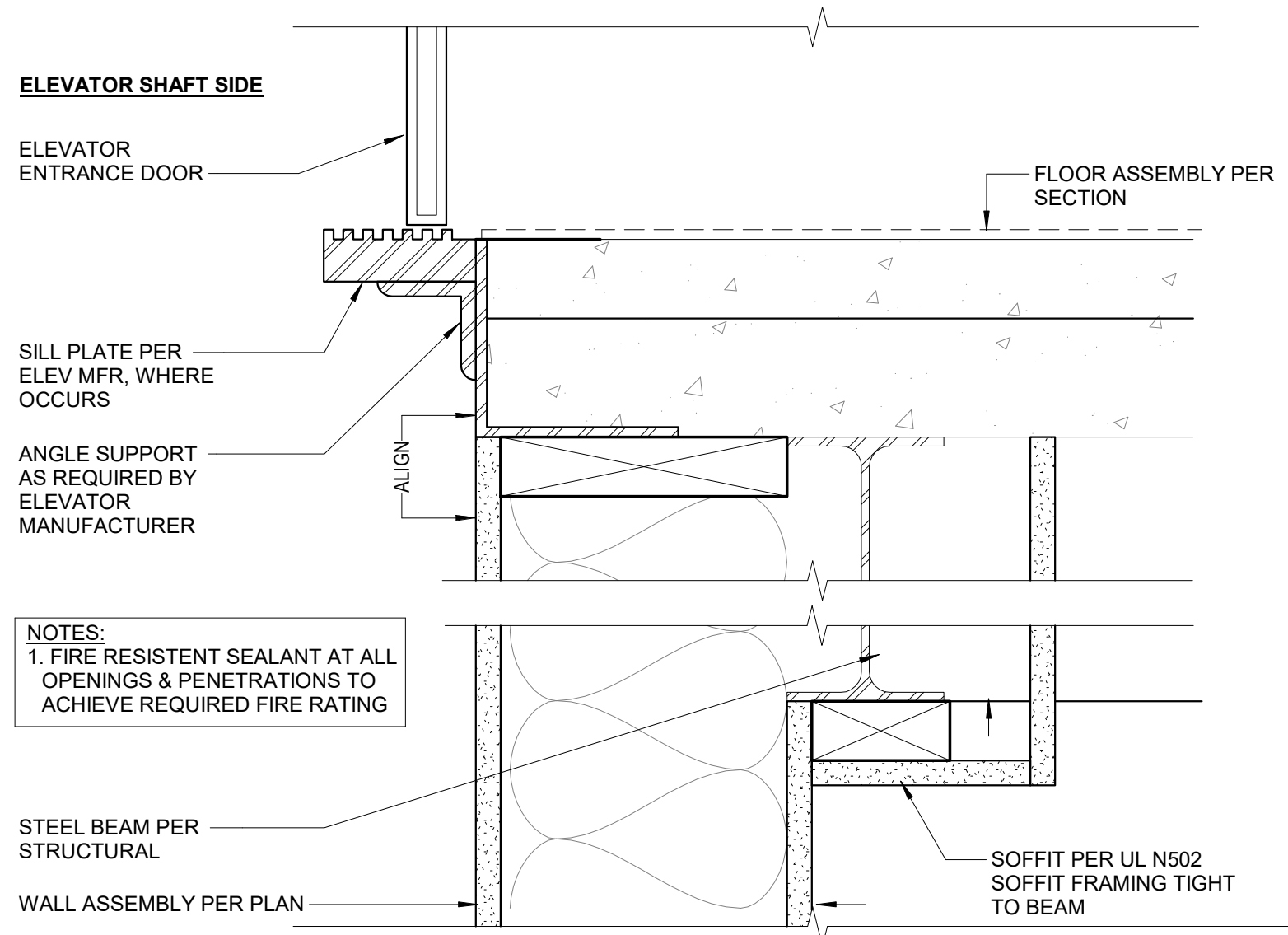




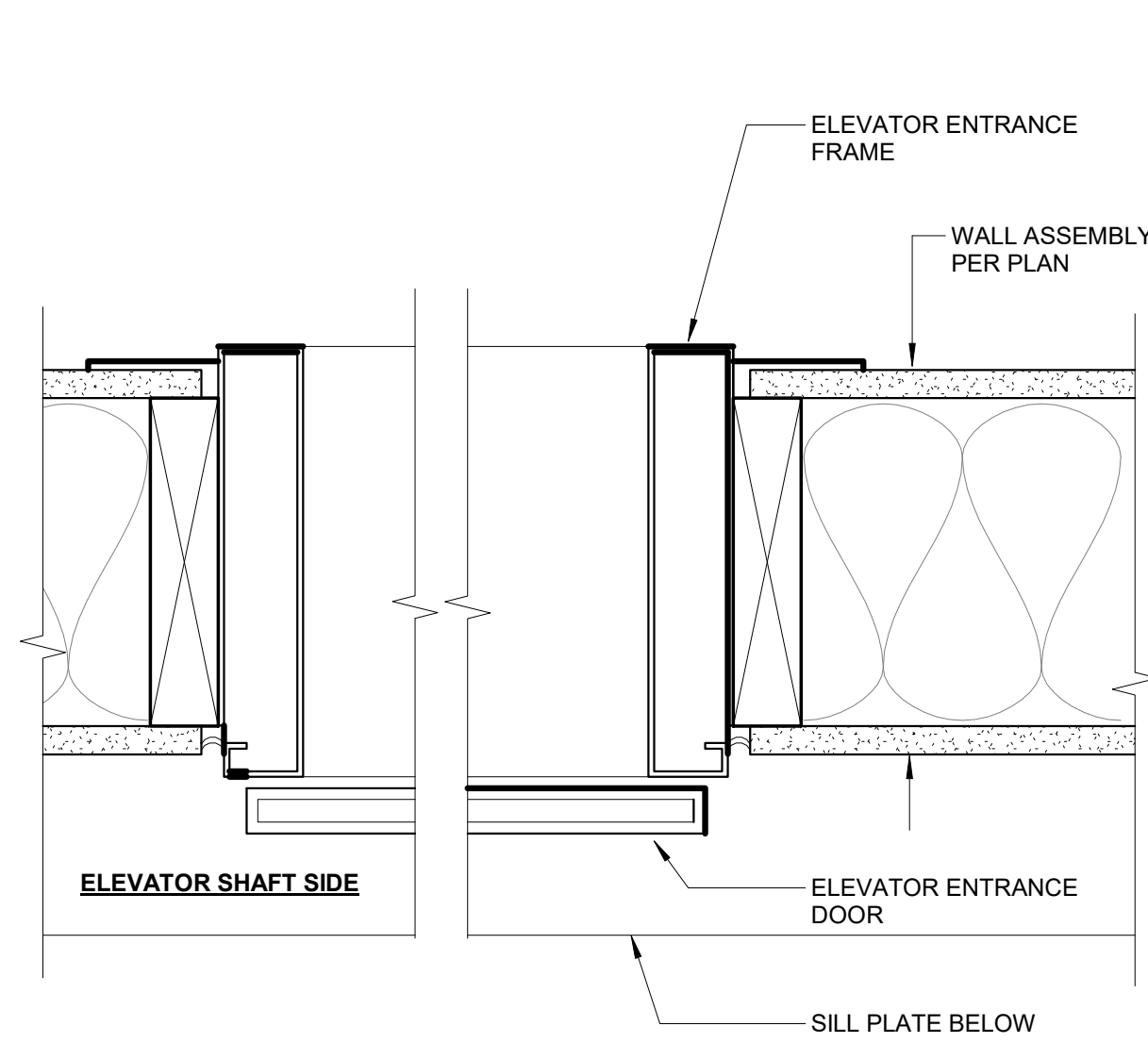
1
A6.46
ELECTRICAL PENETRATION AT RATED WALL
Scale: 1 1/2" = 1'-0"



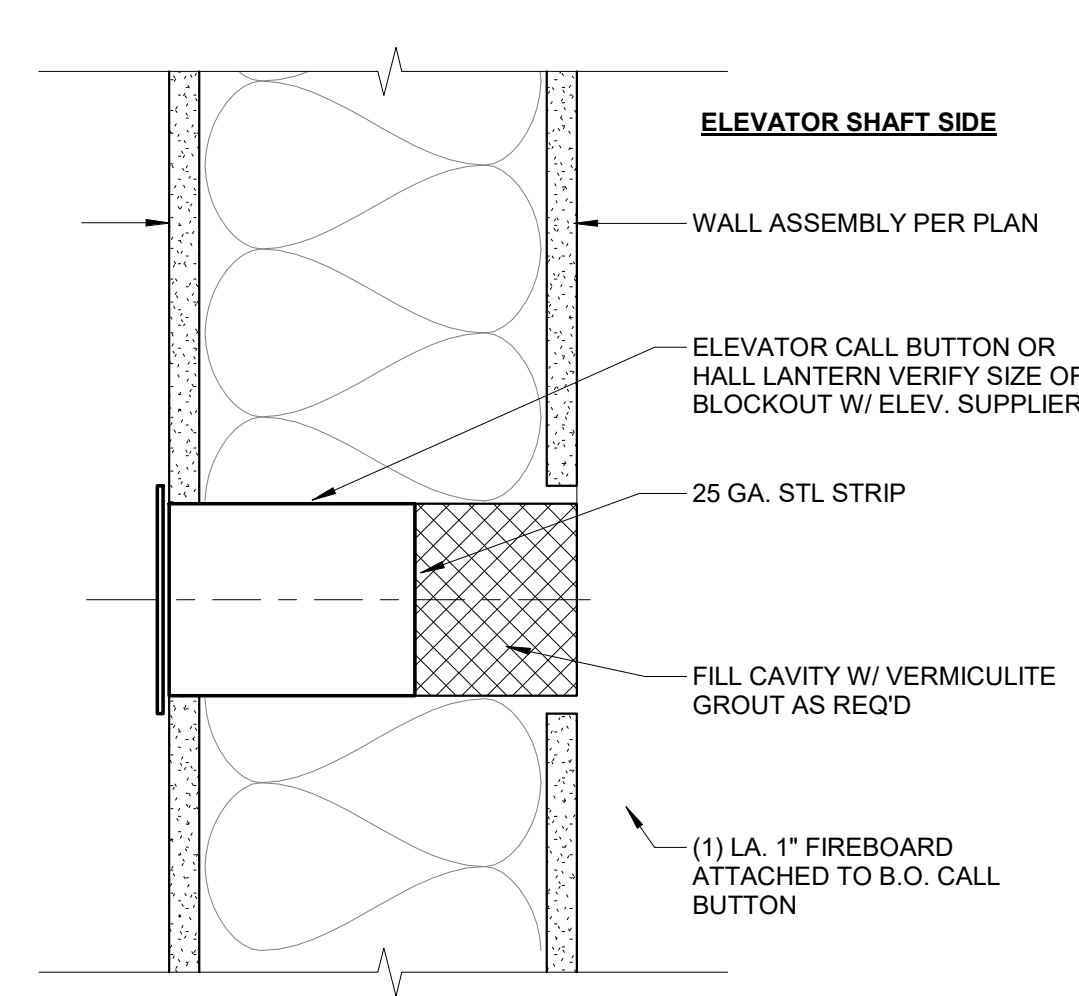
2
A6.46
PLUMBING PENETRATION AT RATED WALL
Scale: 1 1/2" = 1'-0"



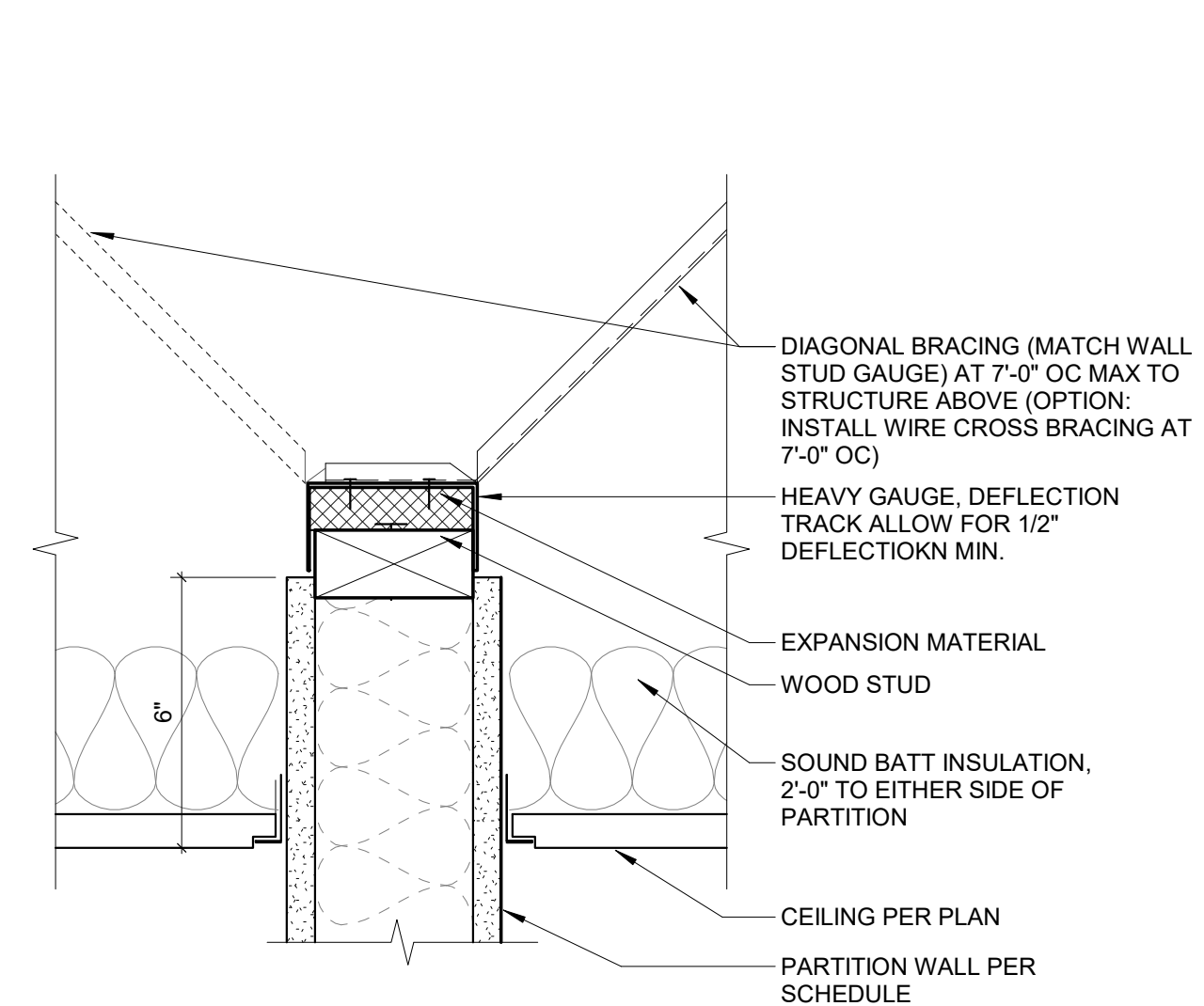
10 **HEAD OF ELEVATOR SHAFT WALL**
A6.50 Scale: 3" = 1'-0"



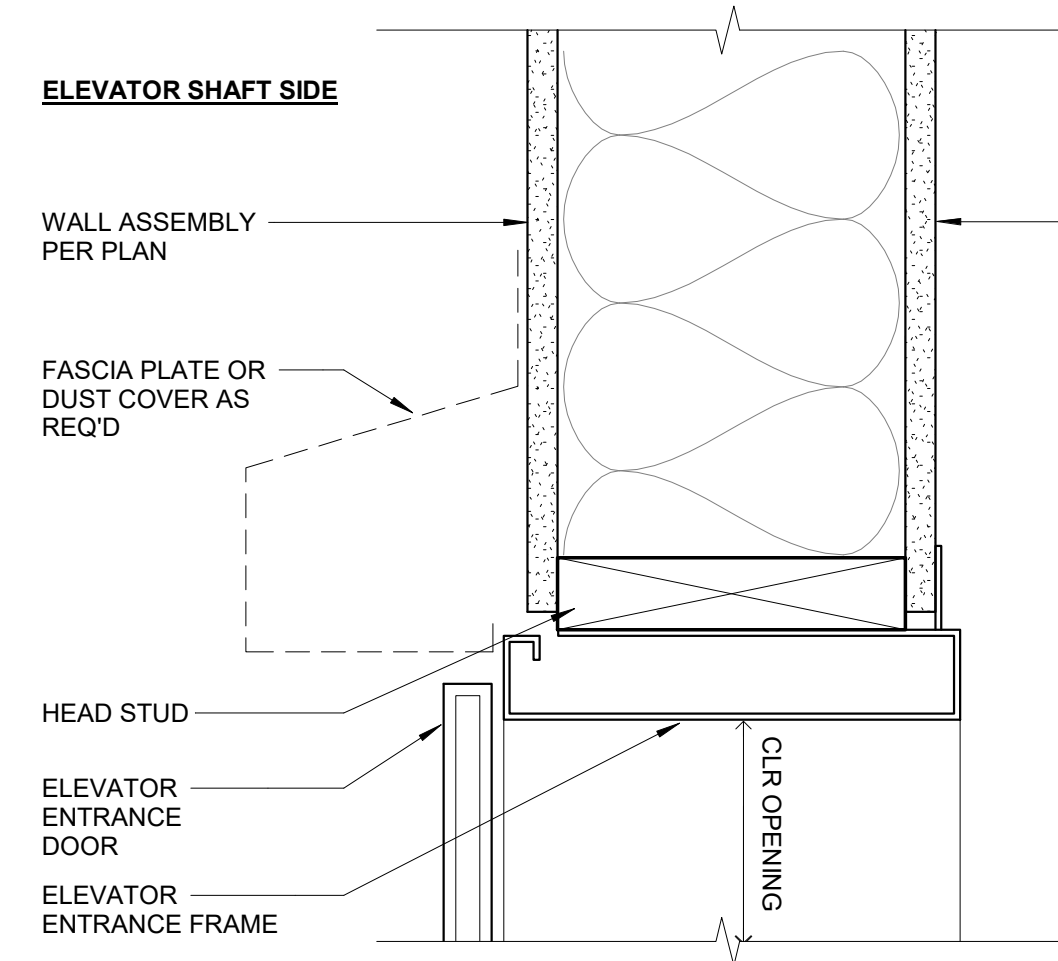
7 **ELEVATOR DOOR JAMB**
A6.50 Scale: 3" = 1'-0"



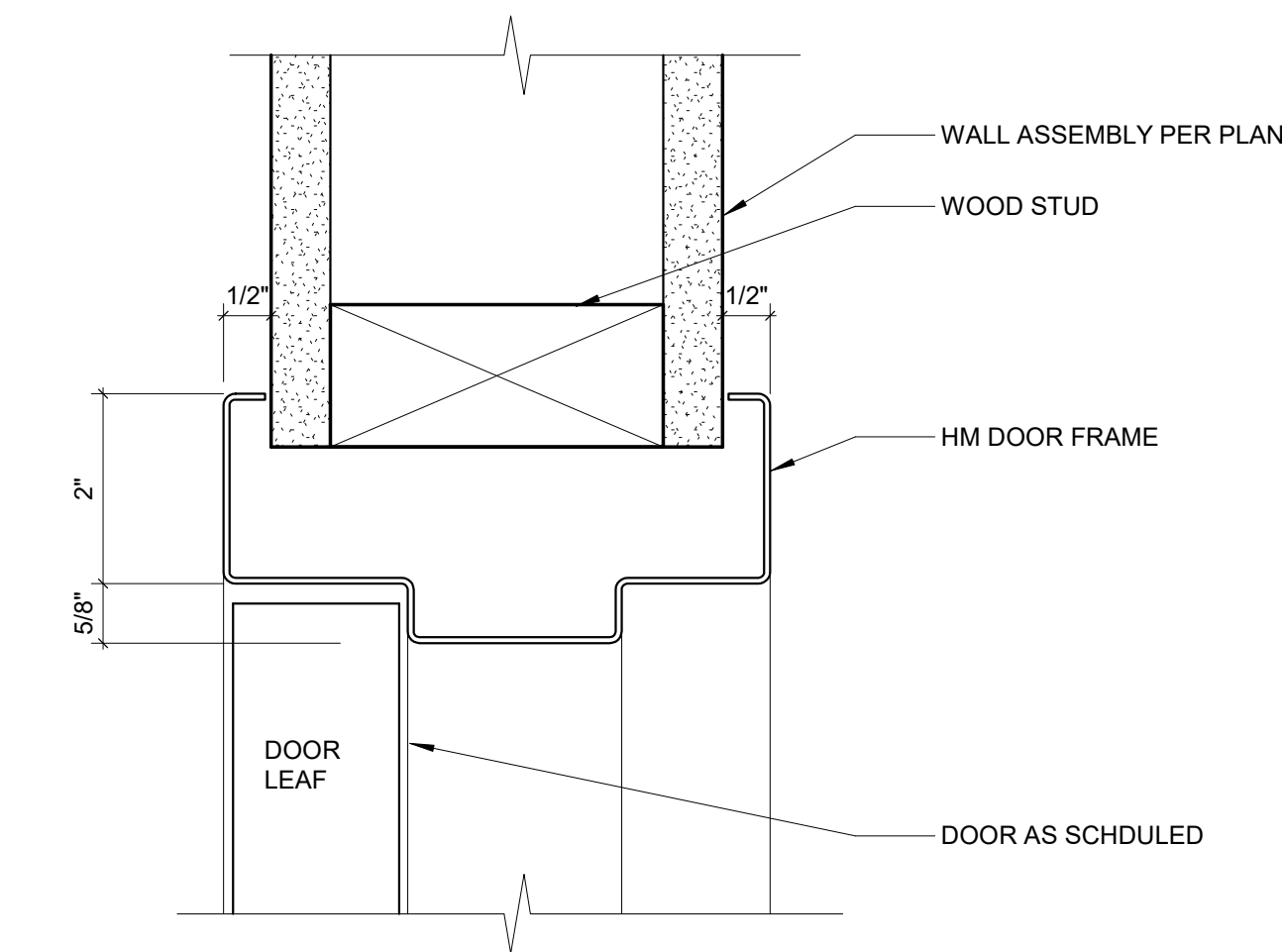
4 **ELEVATOR CALL BUTTON**
A6.50 Scale: 3" = 1'-0"



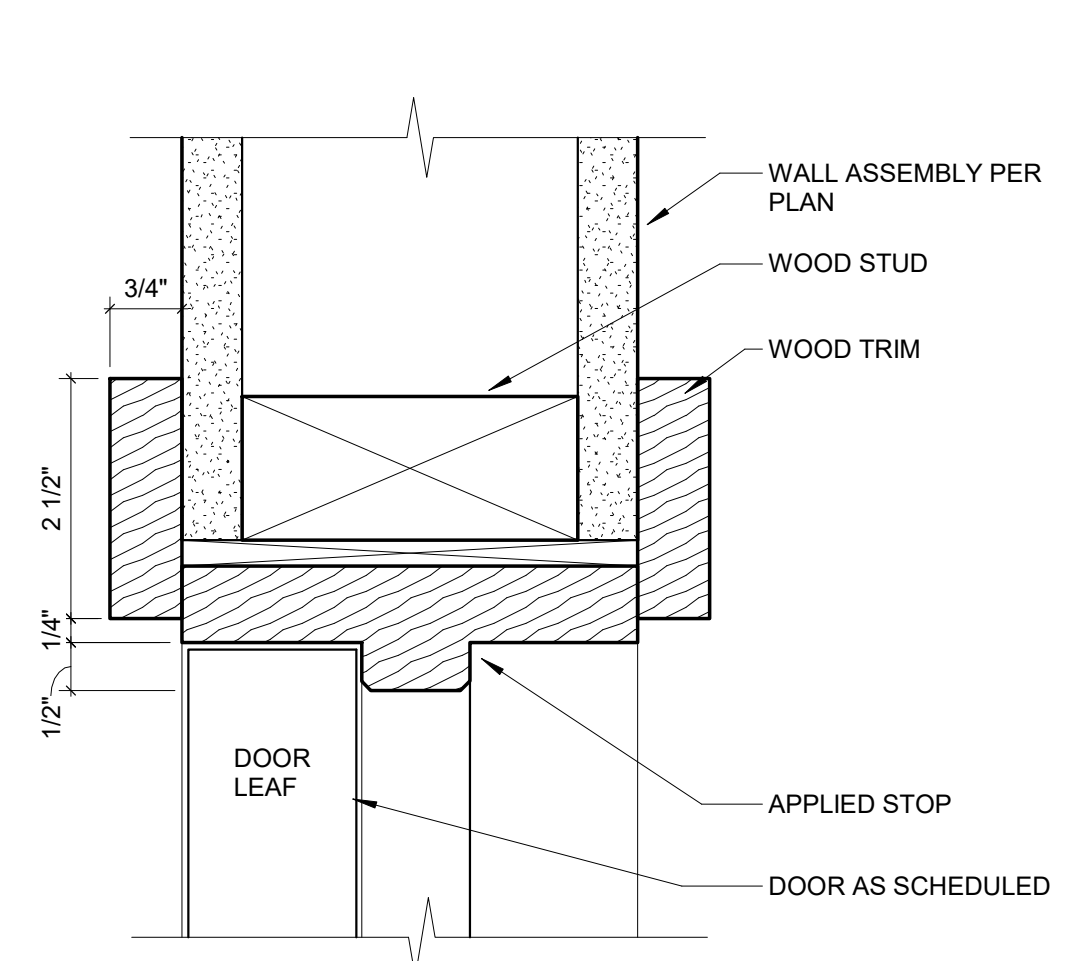
1 **PARTITION HEAD ABOVE CEILING**
A6.50 Scale: 3" = 1'-0"



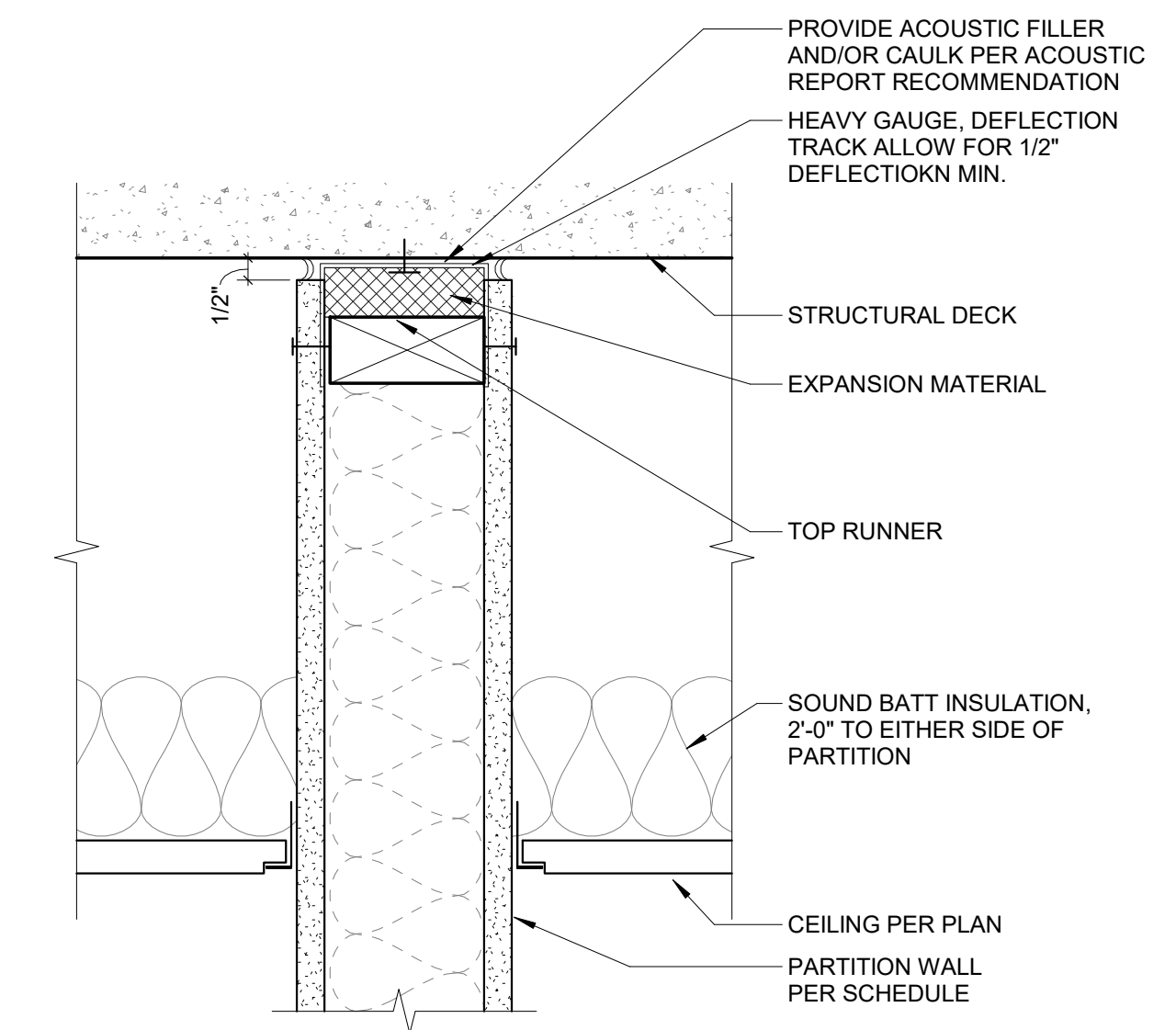
11 **ELEVATOR DOOR HEADER**
A6.50 Scale: 3" = 1'-0"



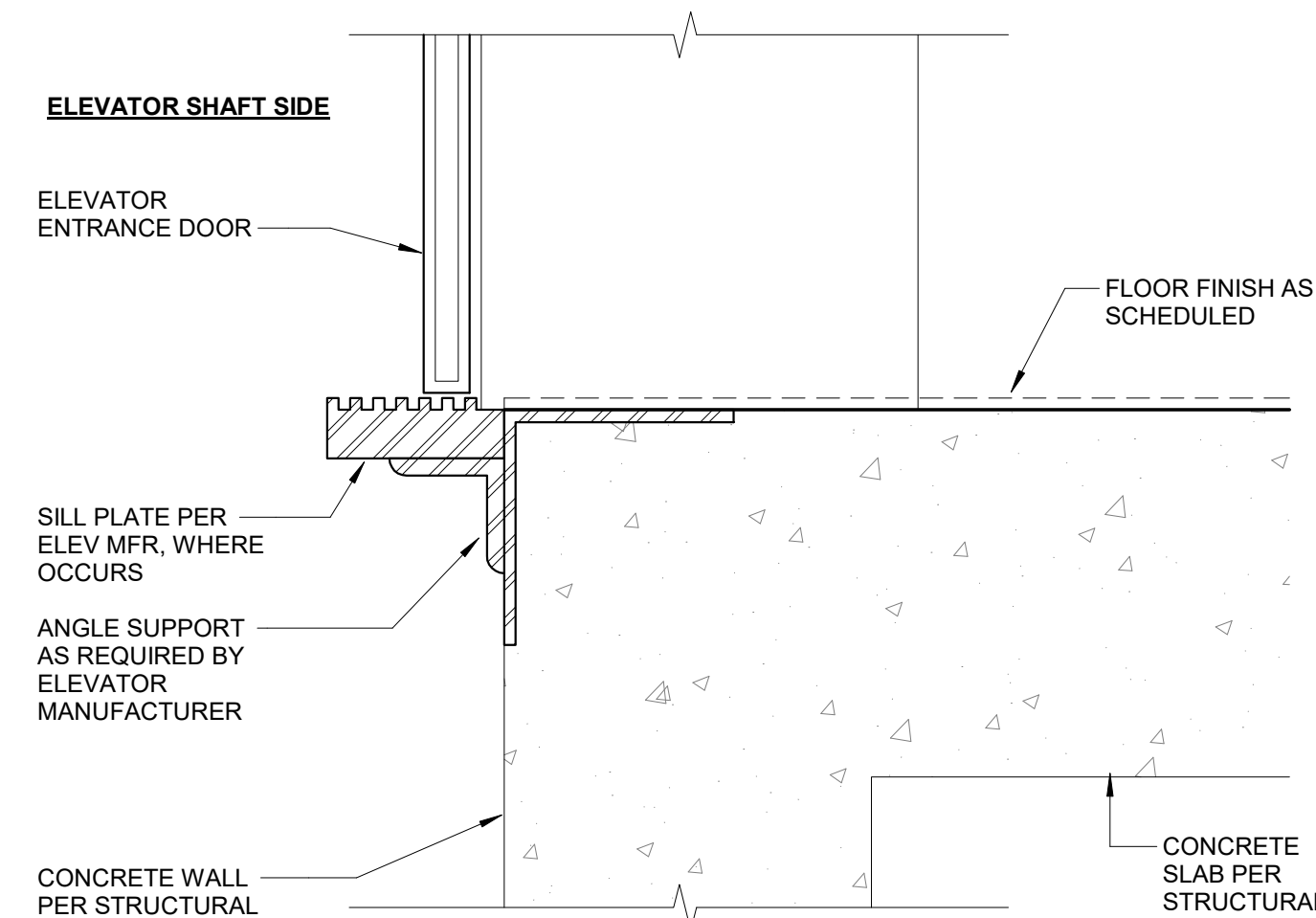
8 **HM DOOR HEAD**
A6.50 Scale: 6" = 1'-0"



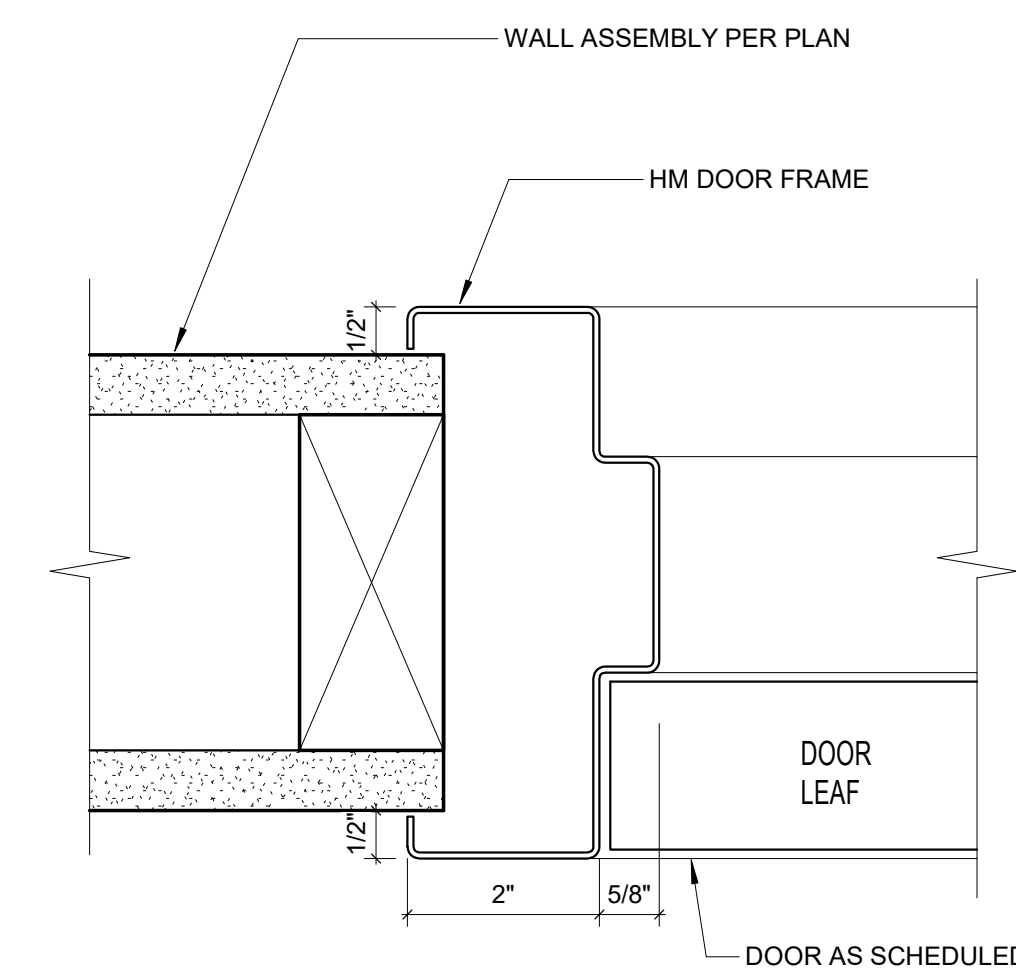
5 **WOOD FRAME - DOOR HEAD**
A6.50 Scale: 6" = 1'-0"



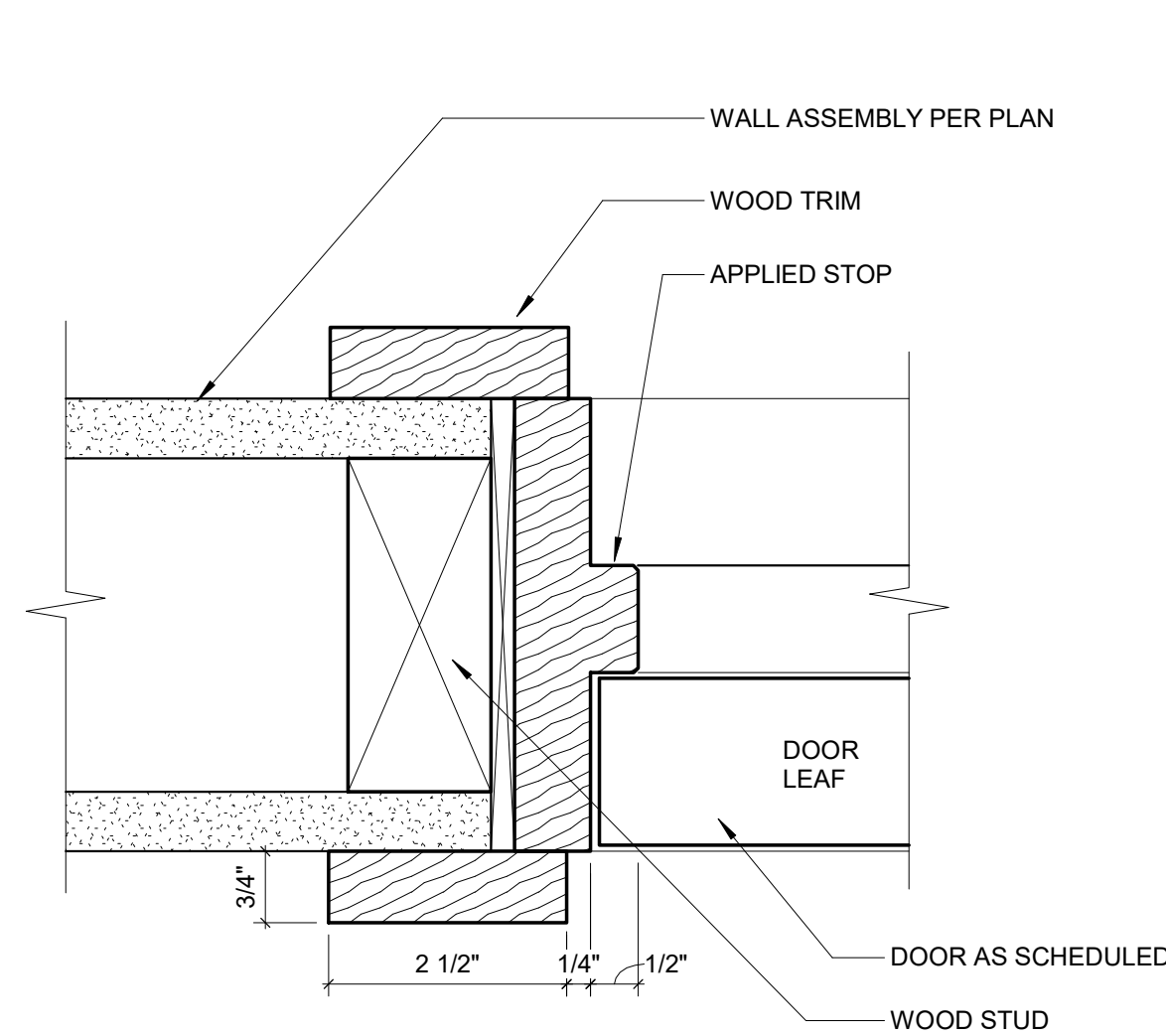
2 **PARTITION HEAD AT STRUCTURE**
A6.50 Scale: 3" = 1'-0"



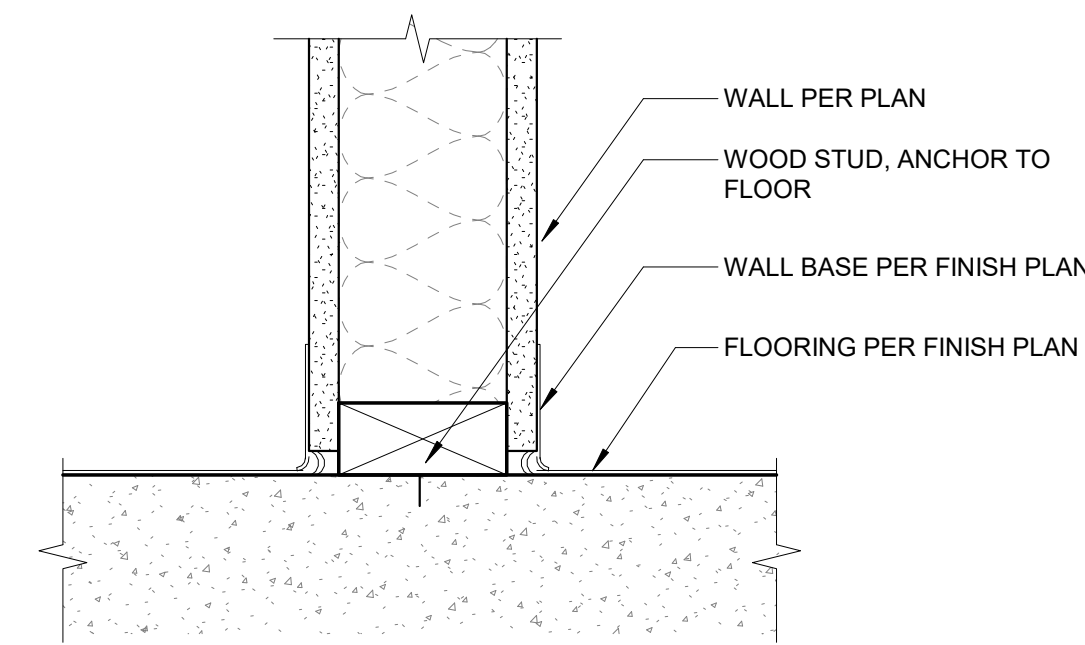
12 **ELEVATOR SHAFT WALL AT PIT WALL Copy 1**
A6.50 Scale: 3" = 1'-0"



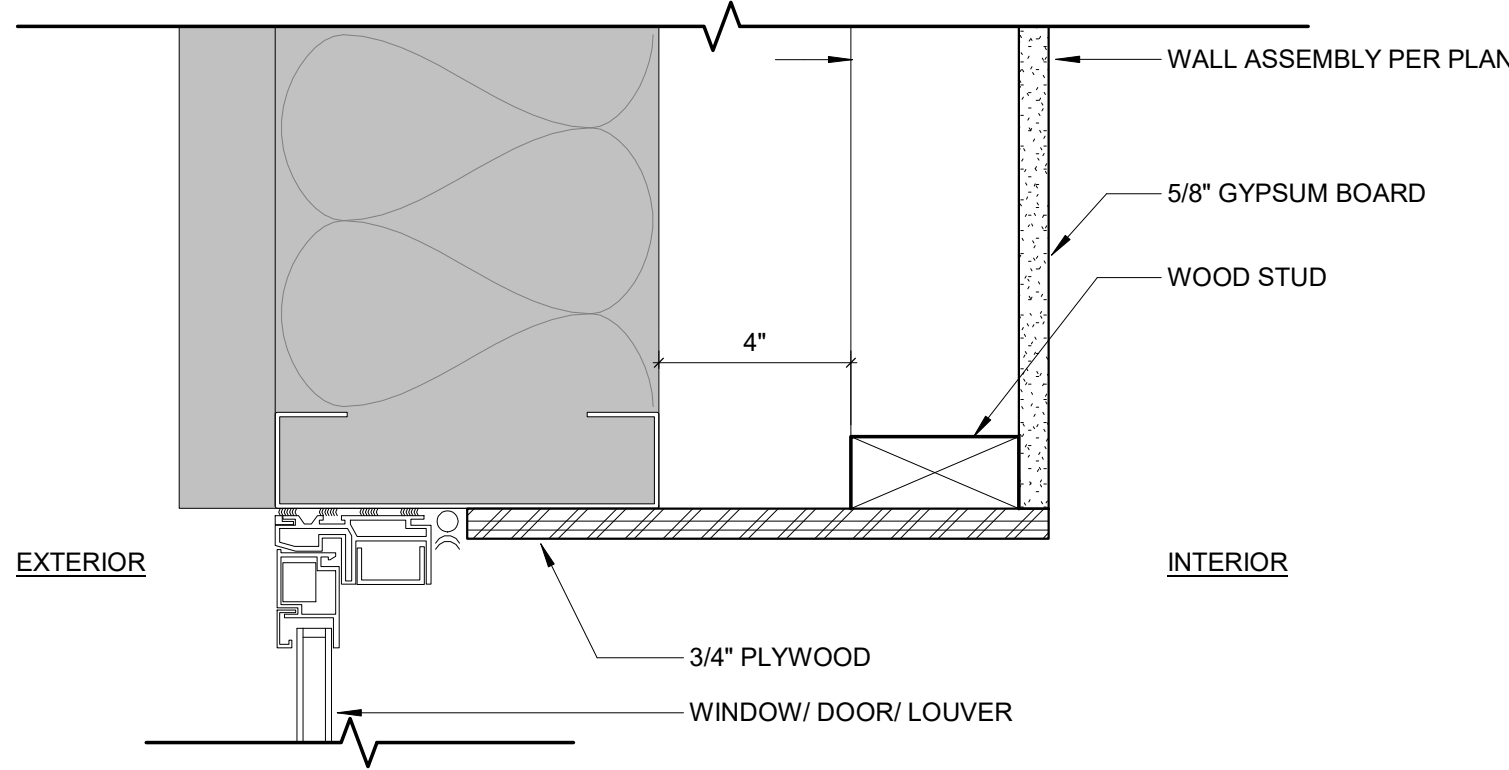
9 **HM DOOR JAMB**
A6.50 Scale: 6" = 1'-0"



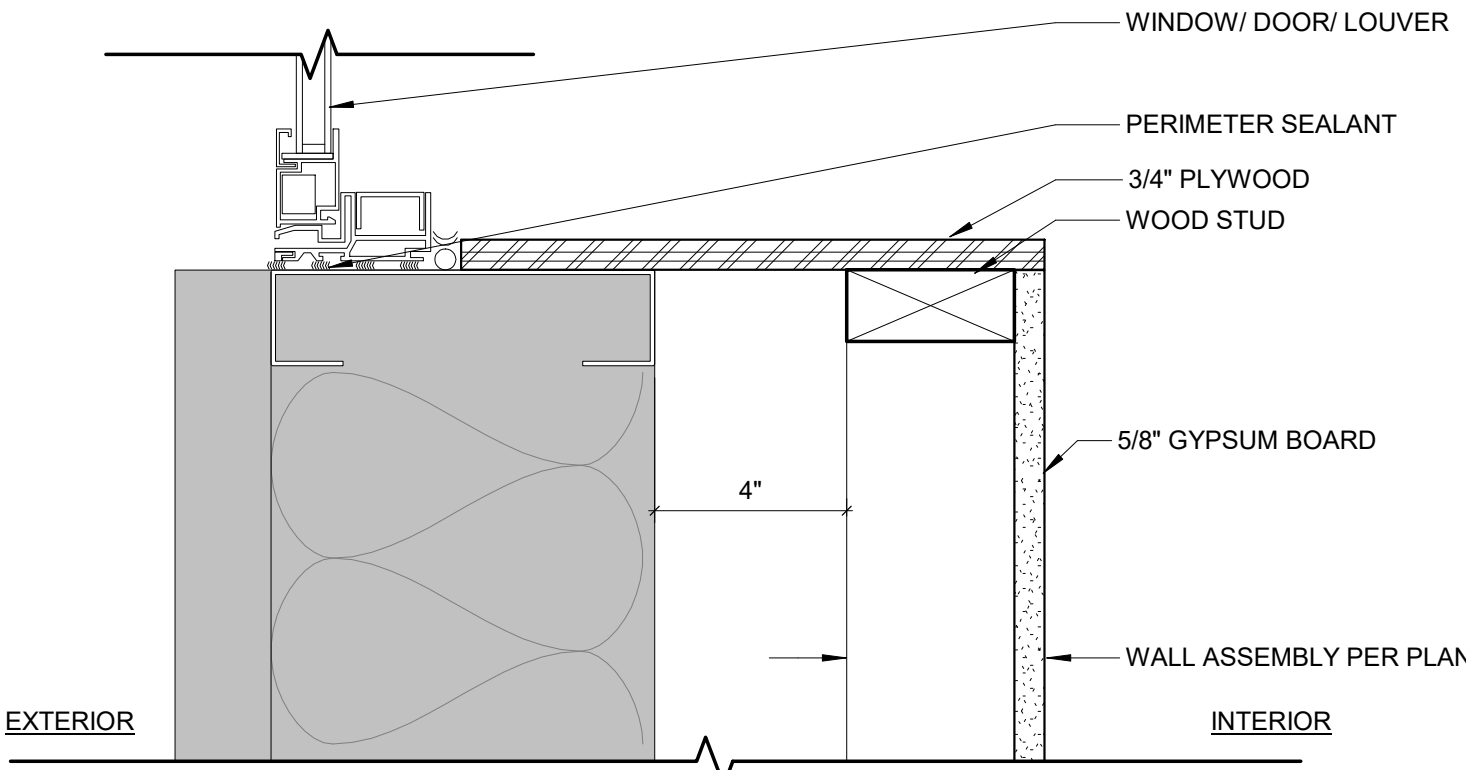
6 **WOOD FRAME - DOOR JAMB**
A6.50 Scale: 6" = 1'-0"



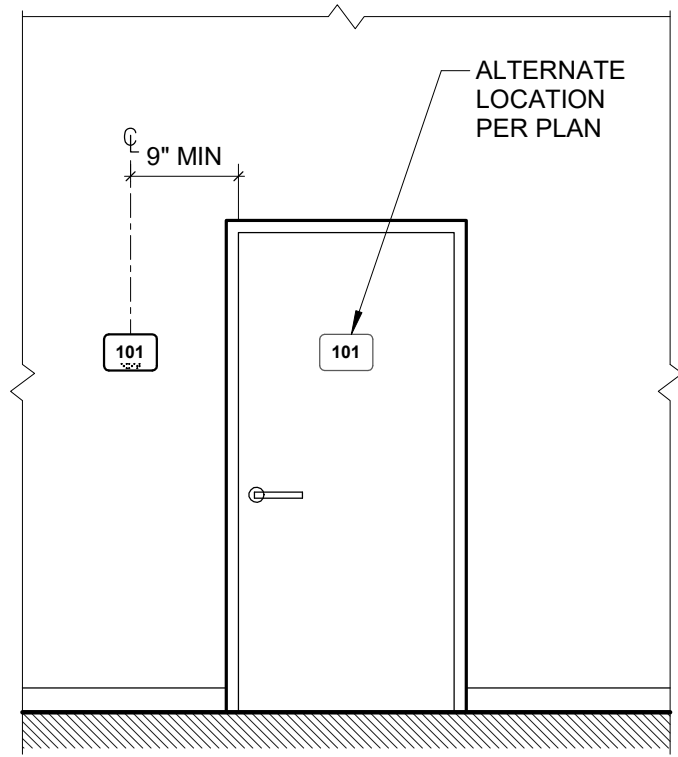
3 **PARTITION SILL**
A6.50 Scale: 3" = 1'-0"



1 TYP. WINDOW LINTEL
A6.61 Scale: 3" = 1'-0"

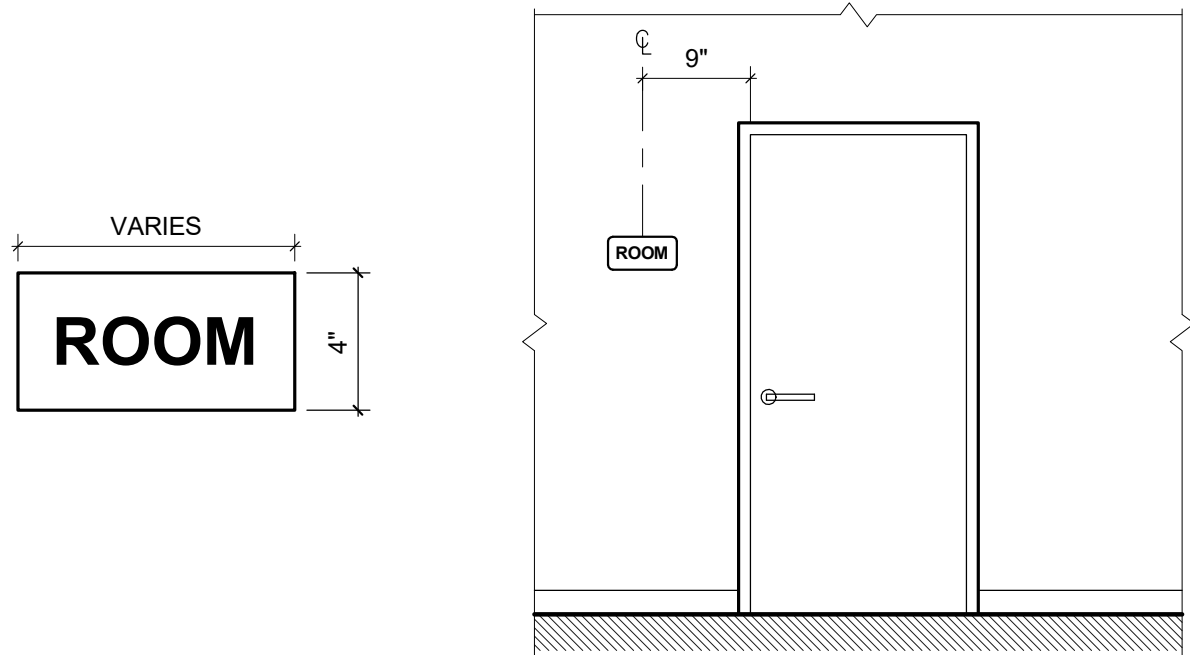


2 TYP. WINDOW SILL @
A6.61 Scale: 3" = 1'-0"



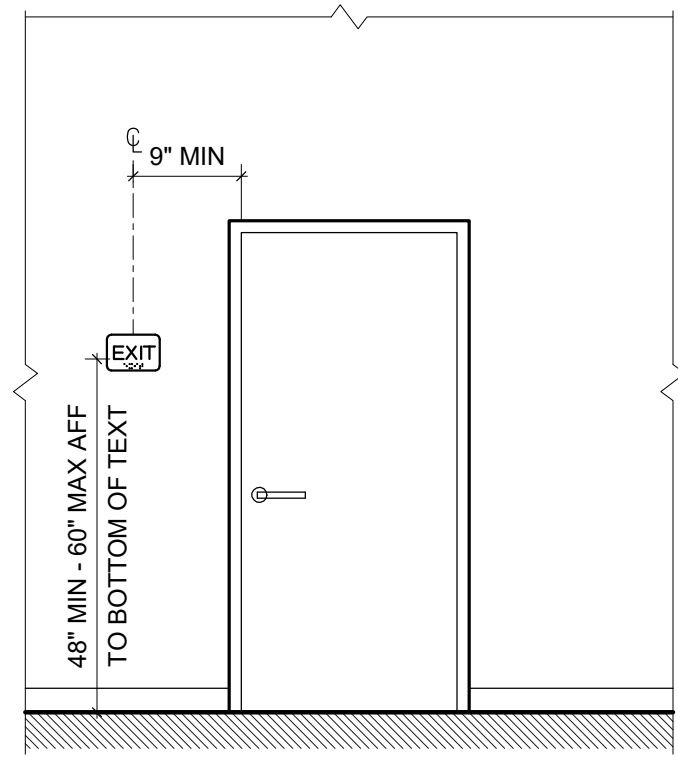
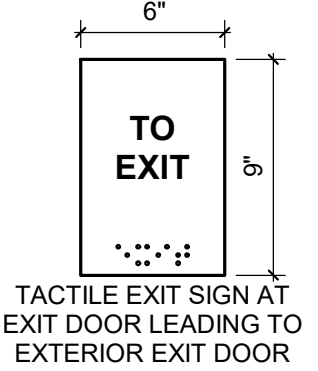
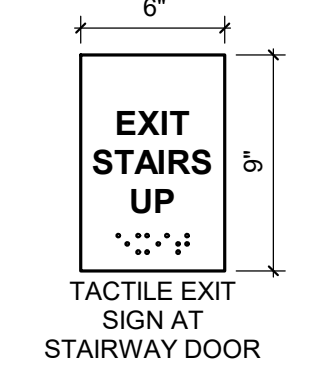
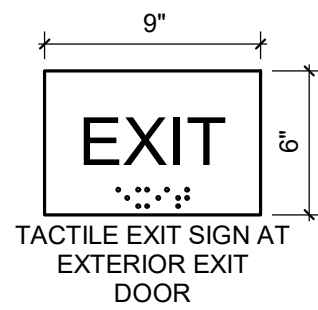
NOTES:
1. SEE INTERIOR DESIGN DRAWINGS FOR LOCATIONS AND DESIGN

7 ROOM SIGNAGE MOUNTING
A6.90 NOT TO SCALE



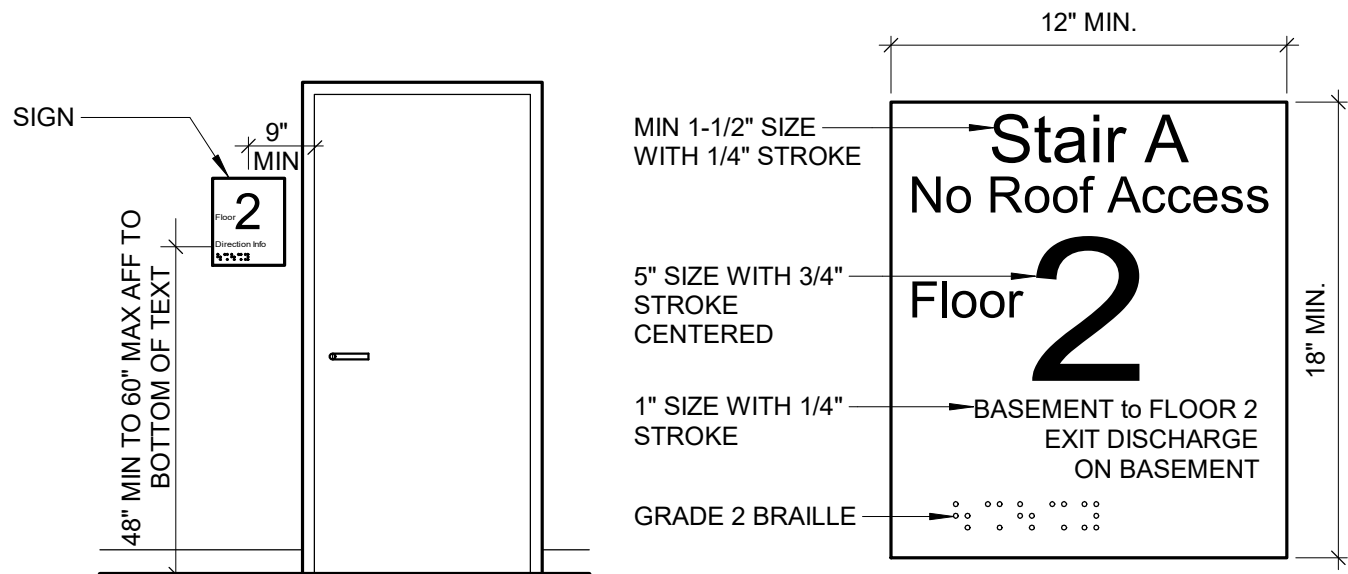
NOTES:
1. SIGN TO READ NAME OF ROOM PER PLAN; SIGN SIZE VARIES IN WIDTH CORRESPONDING WIT THE LENGTH OF ROOM NAME AND MAINTAINING 1" BORDER SPACING
2. SIGN TO BE PLACED AT ALL ROOMS CONTAINING CONTROLS FOR AIR-CONDITIONING SYSTEMS, SPRINKLER RISERS AND VALVES, OR OTHER FIRE DETECTION, SUPPRESSION OR CONTROL ELEMENTS
3. SIGN TO BE PERMANENTLY INSTALLED AND READILY VISIBLE
4. SIGN TEXT COLOR: WHITE
5. SIGN FIELD COLOR: MATTE BLACK
6. CONTRACTOR TO SUBMIT DRAWINGS AND COORDINATE WITH ARCHITECT

8 ROOM IDENTIFICATION SIGNAGE
A6.90 NOT TO SCALE



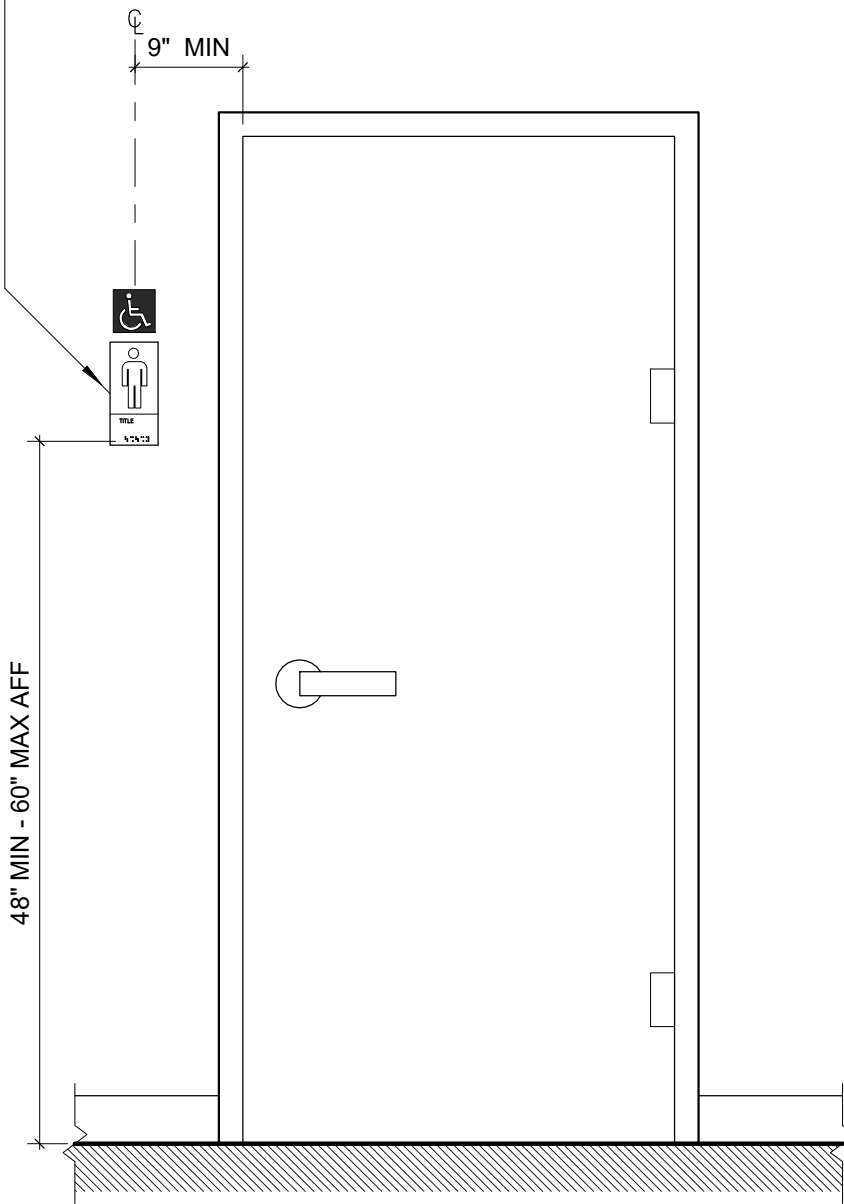
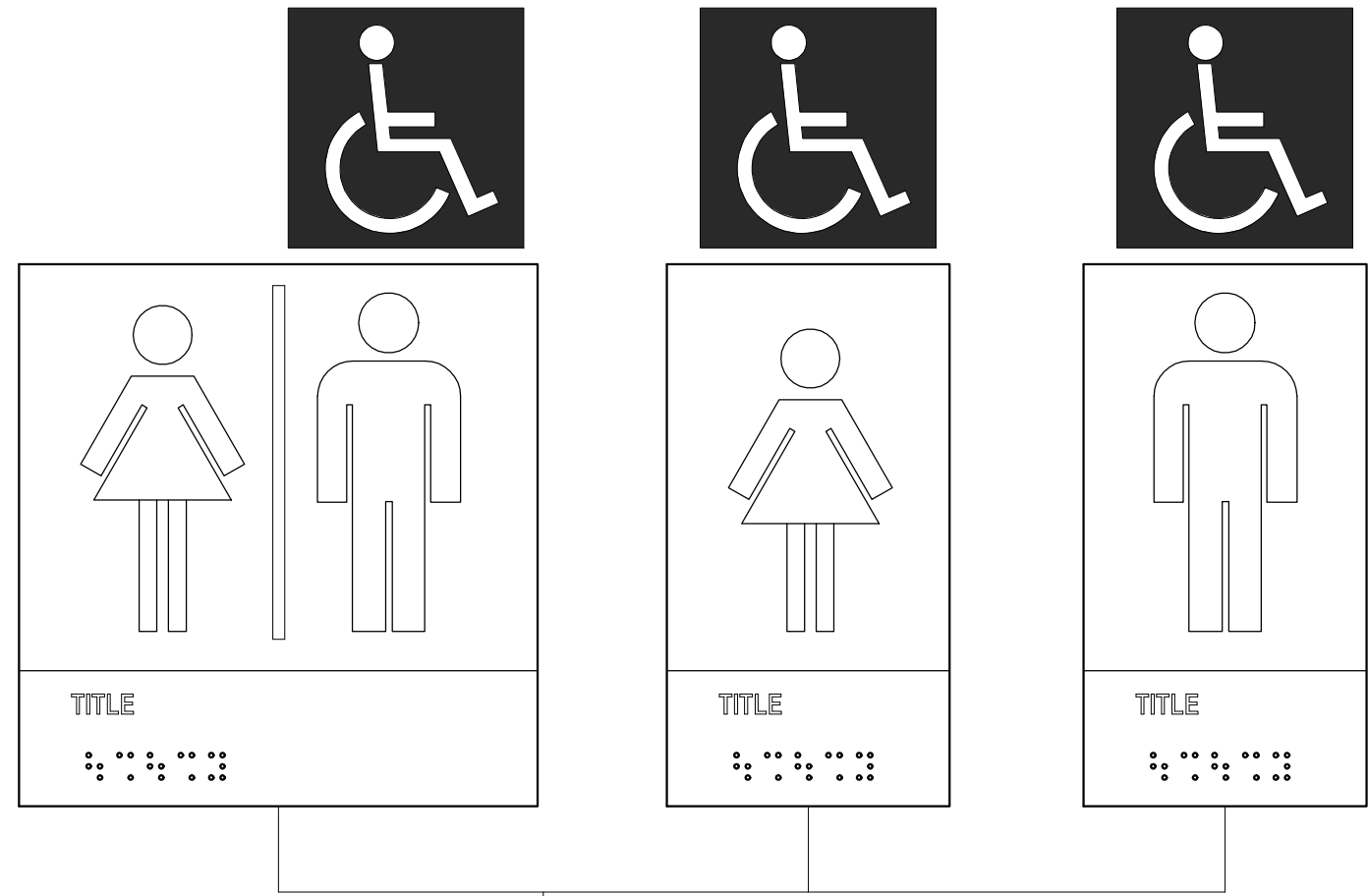
NOTES:
1. TACTILE SIGN SHALL COMPLY WITH ICC A117.1
2. EXIT SIGN MOUNTING LOCATION ON EXTERIOR EXIT DOOR / STAIRWAY DOOR / EXIT DOOR LEADING TO EXTERIOR EXIT

4 TACTILE EXIT SIGN
A6.90 NOT TO SCALE



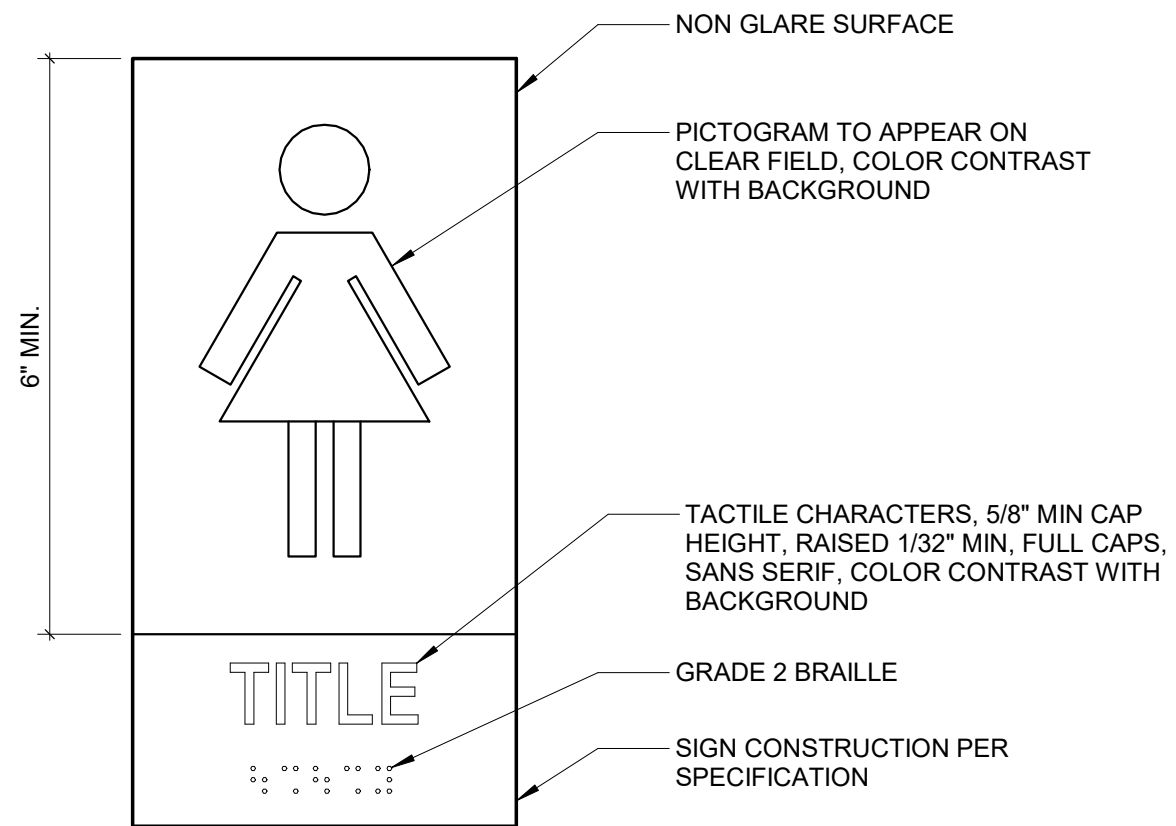
NOTES:
1. TACTILE SIGN SHALL COMPLY WITH ICC A117.1
2. CHARACTERS AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND
3. STAIRWAY IDENTIFICATION SIGNS PER 2018 IBC SECTIONS 1023.9 AND 1025.4 SHALL BE MADE OF SELF-LUMINOUS OR PHOTOLUMINESCENT MATERIALS TO COMPLY WITH EITHER UL 1994 OR ASTM E2072 EXCEPT THAT THE CHARGING SOURCE SHALL BE 1 FOOTCANDLE (11 LUX) OF FLUORESCENT ILLUMINATION FOR 60 MINUTES AND THE MINIMUM LUMINANCE SHALL BE 30 MILICANDELAS PER SQUARE METER AT 10 MINUTES AND 5 MILICANDELAS PER SQUARE METER AFTER 90 MINUTES
4. PROVIDE SIGN IDENTIFYING THE STAIR, INDICATING WHETHER THERE IS ROOF ACCESS, IDENTIFYING THE FLOOR LEVEL AND INDICATING THE UPPER AND LOWER TERMINUS OF STAIR.

5 STAIRWAY IDENTIFICATION SIGNAGE
A6.90 NOT TO SCALE



NOTES:
1. PROVIDE SIGNS WITH RAISED AND BRAILLE CHARACTER SIGNAGE WITH A HIGH CONTRAST TO THE BACKGROUND, ALONG WITH A WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) ON A BLUE BACKGROUND
2. MOUNT ON THE TOILET ROOM ENTRANCE DOOR WALL ON TEH LATCH SIDE OF THE DOOR; IF ADEQUATE ROOM IS NOT PROVIDED ON THE LATCH SIDE OF THE DOOR THEN THE SIGNAGE IS REQUIRED TO BE PROVIDED ON THE NEAREST ADJACENT WALL
3. ROOM IDENTIFICATION SIGNAGE SHALL BE MOUNTED AT 48" MIN AFF MEASURED TO THE BASELINE OF THE LOWEST TACTILE CHARACTER. THE ISA SIGNAGE SHALL BE MOUNTED IMMEDIATELY ABOVE THE ROOM IDENTIFICATION SIGN

2 RESTROOM SIGNAGE
A6.90 Scale: 3/4" = 1'-0"



3 ENLARGED RESTROOM SIGNAGE
A6.90 Scale: 6" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLAN

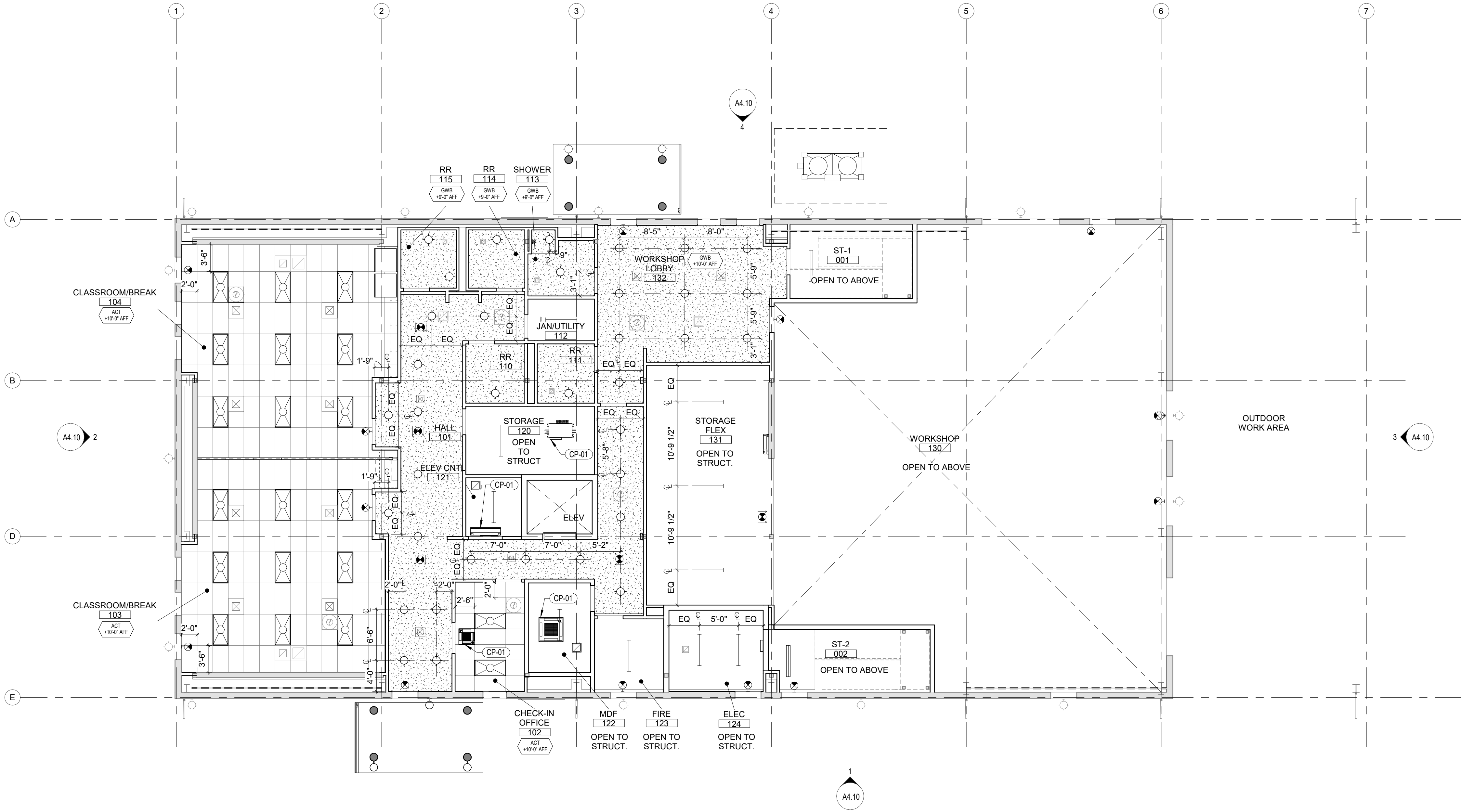
- ALL NEW SWITCHES SHALL BE AT 48" AFF UNLESS NOTED OTHERWISE.
- SEE xxx FOR ACOUSTIC CEILING SUPPORT AND BRACING. IN LIEU OF 2" PERIMETER TRACK USE ARMSTRONG BERC CLIP PER xxx. SEE DETAIL xxx FOR GWB CEILING SUPPORT AND BRACING
- SPRINKLER SYSTEM TO BE BIDDER-DESIGNED AND UNDER A SEPARATE PERMIT
- CONTRACTOR TO PROVIDE AND INSTALL ALL FIRE ALARMS, DETECTION DEVICES AND HORN/STROBES. PROVIDE EMERGENCY LIGHTING THROUGHOUT
- ALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS TO BE BIDDER-DESIGNED. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF DESIGN PLANS AND ENGINEERING AND PERMITS
- HVAC NOISE CRITERIA:
 - DISCHARGE SOUND BASED ON FOLLOWING **ARI 885** ATTENUATION CONDITIONS:
 - ENVIRONMENTAL EFFECT: PER **ARI 885**
 - ROOM EFFECT: 3000CU FT SPACE, 10 FT FROM SOURCE
 - 0.5" SP: NC 21
 - 1.0 SP: NC 25
 - RADIATED SOUND
 - BASED ON THE FOLLOWING ARI 885 ATTENUATION CONDITIONS:
 - ENVIRONMENTAL EFFECT: PER **ARI 885**
 - DUCT LINING: 5 FT OF ONE INCH FIBERGLASS
 - END REFLECTION: 8 INCH TERMINATION TO DIFFUSER
 - FLEX DUCT: 5 FT
 - ROOM EFFECT: 3000 CU FT SPACE, 10 FT FROM SOURCE
 - 0.5" SP: NC 21
- PROVIDE TRAPEZE PIPE HANGERS FOR SUSPENDED PLUMBING PIPE
- VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, MECHANICAL, DUCTS, STRUCTURAL ELEMENTS AND ALL OTHER RELATED ITEMS. INSTALL NEW PLUMBING, MECHANICAL, FANS, DUCTS, CONDUITS, AND OTHER RELATED ITEMS SO AS NOT TO CONFLICT WITH ANY/ALL FIELD CONDITIONS INCLUDING LUMINARIES
- ALL GWB CEILINGS TO BE FINISHED TO LEVEL 4 PER GYPSUM ASSOCIATION **GA-214**
- MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND COVERED FINISHED WITH ONE COVER PLATE UNLESS NOTED OTHERWISE
- PROVIDE ADDITIONAL SWITCHING CONTROL REQUIRED BY **NREC**
- SUBMIT HVAC PLAN SHOWING DIFFUSERS, RETURNS, THERMOSTAT, AND OTHER FIXTURE AND ELEMENT LAYOUTS TO ARCHITECT AND TENANT FOR REVIEW PRIOR TO PERMITTING
- NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, SPRINKLERS, HVAC, AND/OR EXISTING CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECT'S PROPOSED CEILING GRID/PANEL LOCATIONS AND ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING
- RECESSED DOWNLIGHT FIXTURE AT ALL RESTROOMS TO BE CENTERED OVER TOILET LOCATION. WALL MOUNTED SCONCE FIXTURE TO BE CENTERED AT SINK LOCATION. SEE X/AX.XX FOR FIXTURE HEIGHT.
- LIGHT FIXTURES NOT LOCATED ON PLAN ARE TO BE CENTERED IN CEILING OF ROOM
- CEILING LINER/SOFFIT PANEL PER PEMB MFR

KEYNOTES - REFLECTED CEILING PLAN

CP-01 MECHANICAL EQUIPMENT; RE: MECHANICAL

LEGEND - REFLECTED CEILING PLAN

- | | | | |
|--|---|--|---------------------------------|
| | 2x4' RECESSED LIGHT FIXTURE | | AIR RETURN VENT; SEE MECHANICAL |
| | 2x2' RECESSED LIGHT FIXTURE | | AIR SUPPLY VENT; SEE MECHANICAL |
| | RECESSED DOWNLIGHT | | FAN; SEE MECHANICAL |
| | WALL SCONCE | | |
| | INTERNALLY ILLUMINATED EXIT SIGN | | |
| | WALL MOUNTED INTERNALLY ILLUMINATED EXIT SIGN | | |



1
A7.00
Scale: 1/8" = 1'-0"

SEE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION

GENERAL NOTES - REFLECTED CEILING PLAN

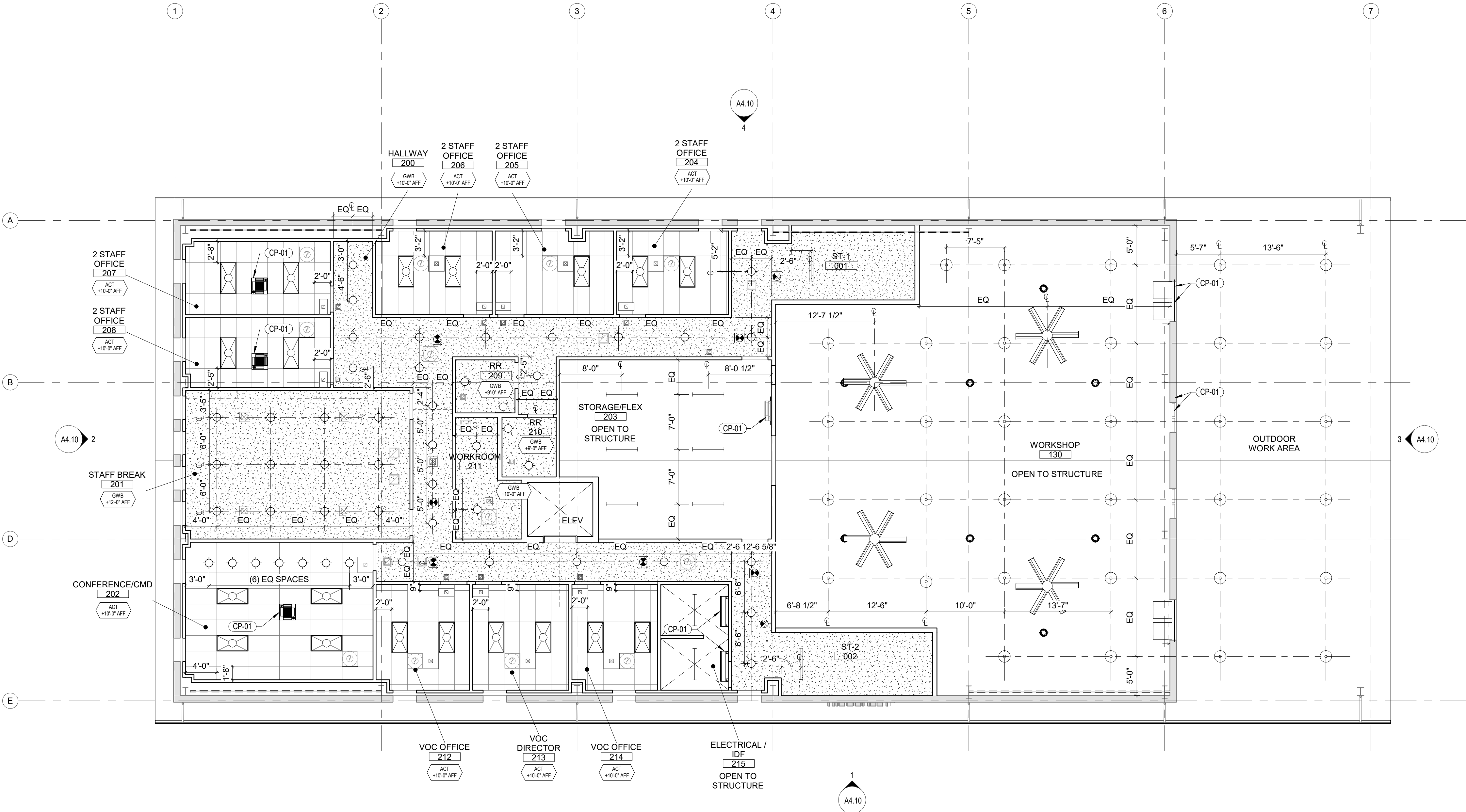
- ALL NEW SWITCHES SHALL BE AT 48" AFF UNLESS NOTED OTHERWISE.
- SEE xxx FOR ACOUSTIC CEILING SUPPORT AND BRACING. IN LIEU OF 2" PERIMETER TRACK USE ARMSTRONG BERC CLIP PER xxx. SEE DETAIL xxx FOR GWB CEILING SUPPORT AND BRACING
- SPRINKLER SYSTEM TO BE BIDDER-DESIGNED AND UNDER A SEPARATE PERMIT
- CONTRACTOR TO PROVIDE AND INSTALL ALL FIRE ALARMS, DETECTION DEVICES AND HORN/STROBES. PROVIDE EMERGENCY LIGHTING THROUGHOUT
- ALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS TO BE BIDDER-DESIGNED. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF DESIGN PLANS AND ENGINEERING AND PERMITS
- HVAC NOISE CRITERIA:
 - DISCHARGE SOUND BASED ON FOLLOWING **ARI 885** ATTENUATION CONDITIONS:
 - ENVIRONMENTAL EFFECT: PER **ARI 885**
 - ROOM EFFECT: 3000CU FT SPACE, 10 FT FROM SOURCE
 - 0.5" SP: NC 21
 - 1.0 SP: NC 25
 - RADIATED SOUND
 - BASED ON THE FOLLOWING ARI 885 ATTENUATION CONDITIONS:
 - ENVIRONMENTAL EFFECT: PER **ARI 885**
 - DUCT LINING: 5 FT OF ONE INCH FIBERGLASS
 - END REFLECTION: 8 INCH TERMINATION TO DIFFUSER
 - FLEX DUCT: 5 FT
 - ROOM EFFECT: 3000 CU FT SPACE, 10 FT FROM SOURCE
 - 0.5" SP: NC 21
- PROVIDE TRAPEZE PIPE HANGERS FOR SUSPENDED PLUMBING PIPE
- VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, MECHANICAL, DUCTS, STRUCTURAL ELEMENTS AND ALL OTHER RELATED ITEMS. INSTALL NEW PLUMBING, MECHANICAL, FANS, DUCTS, CONDUITS, AND OTHER RELATED ITEMS SO AS NOT TO CONFLICT WITH ANY/ALL FIELD CONDITIONS INCLUDING LUMINARIES
- ALL GWB CEILINGS TO BE FINISHED TO LEVEL 4 PER GYPSUM ASSOCIATION **GA-214**
- MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND COVERED FINISHED WITH ONE COVER PLATE UNLESS NOTED OTHERWISE
- PROVIDE ADDITIONAL SWITCHING CONTROL REQUIRED BY **NREC**
- SUBMIT HVAC PLAN SHOWING DIFFUSERS, RETURNS, THERMOSTAT, AND OTHER FIXTURE AND ELEMENT LAYOUTS TO ARCHITECT AND TENANT FOR REVIEW PRIOR TO PERMITTING
- NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, SPRINKLERS, HVAC, AND/OR EXISTING CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECT'S PROPOSED CEILING GRID/PANEL LOCATIONS AND ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING
- RECESSED DOWNLIGHT FIXTURE AT ALL RESTROOMS TO BE CENTERED OVER TOILET LOCATION. WALL MOUNTED SCONCE FIXTURE TO BE CENTERED AT SINK LOCATION. SEE X/AX.XX FOR FIXTURE HEIGHT.
- LIGHT FIXTURES NOT LOCATED ON PLAN ARE TO BE CENTERED IN CEILING OF ROOM
- CEILING LINER/SOFFIT PANEL PER PEMB MFR

KEYNOTES - REFLECTED CEILING PLAN

CP-01 MECHANICAL EQUIPMENT; RE: MECHANICAL

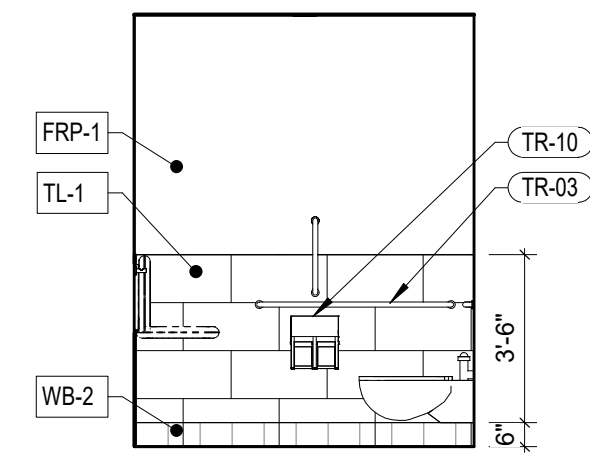
LEGEND - REFLECTED CEILING PLAN

- | | | | |
|--|---|--|---------------------------------|
| | 2x4' RECESSED LIGHT FIXTURE | | AIR RETURN VENT; SEE MECHANICAL |
| | 2x2' RECESSED LIGHT FIXTURE | | AIR SUPPLY VENT; SEE MECHANICAL |
| | RECESSED DOWNLIGHT | | FAN; SEE MECHANICAL |
| | WALL SCONCE | | |
| | INTERNALLY ILLUMINATED EXIT SIGN | | |
| | WALL MOUNTED INTERNALLY ILLUMINATED EXIT SIGN | | |

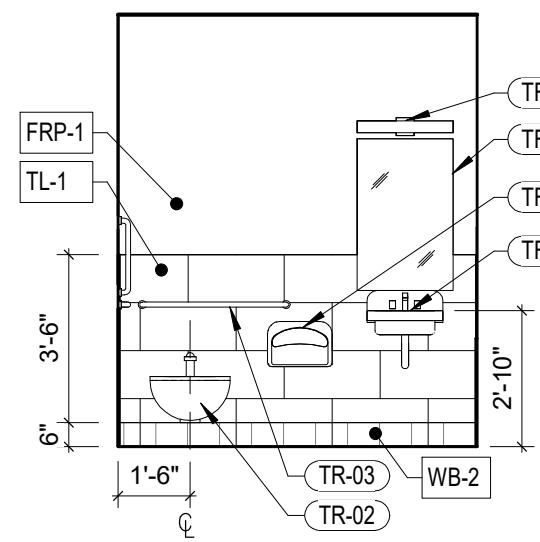


1 SECOND FLOOR REFLECTED CEILING PLAN - PHASE 2
A7.10 Scale: 1/8" = 1'-0"

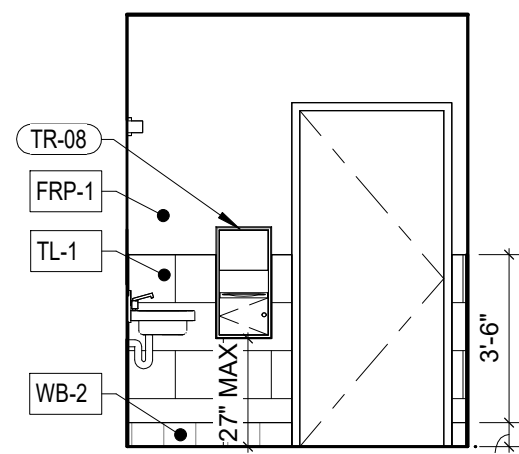
SEE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION



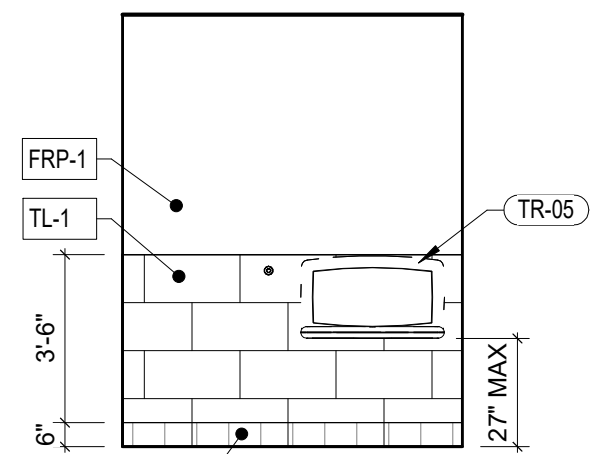
6 RESTROOM
A8.10 Scale: 1/4" = 1'-0"



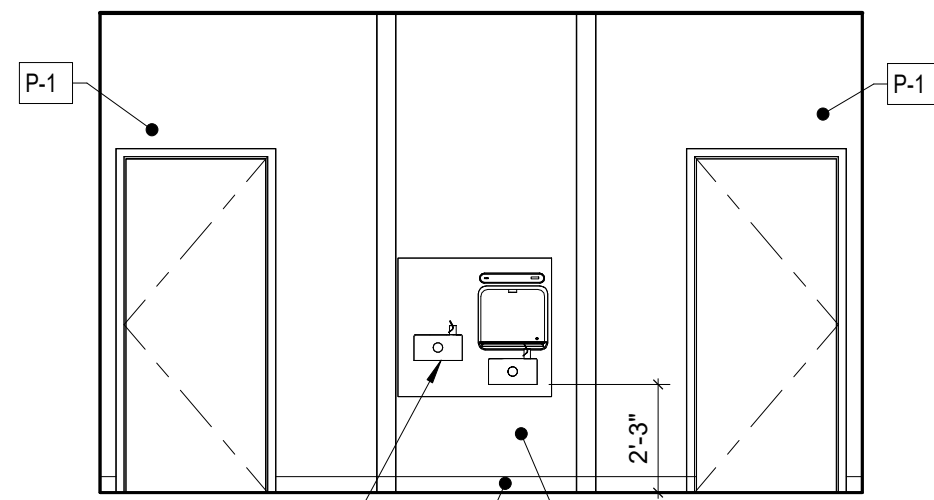
7 RESTROOM
A8.10 Scale: 1/4" = 1'-0"



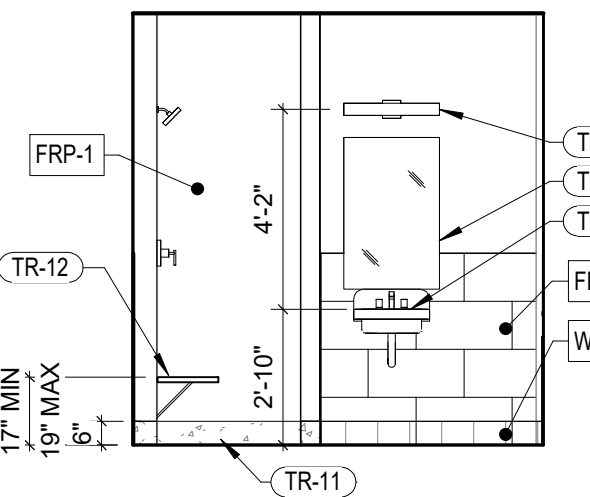
8 RESTROOM
A8.10 Scale: 1/4" = 1'-0"



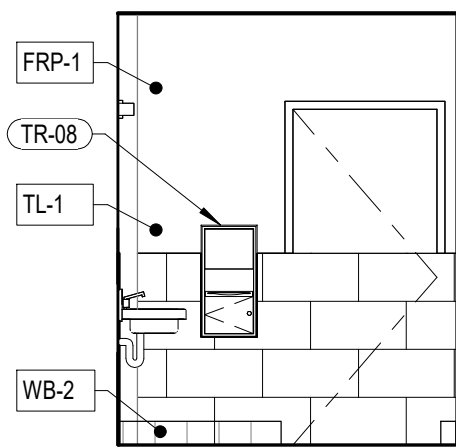
9 RESTROOM
A8.10 Scale: 1/4" = 1'-0"



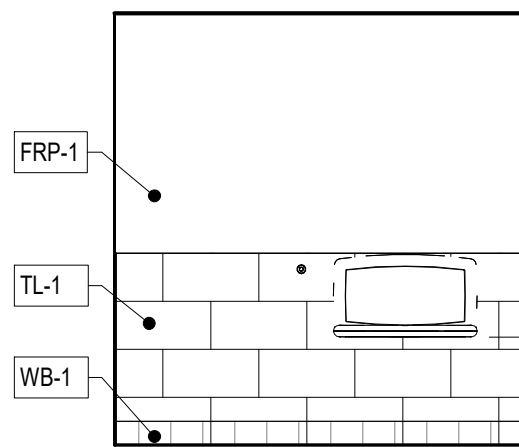
10 HALL - DRINKING FOUNTAINS
A8.10 Scale: 1/4" = 1'-0"



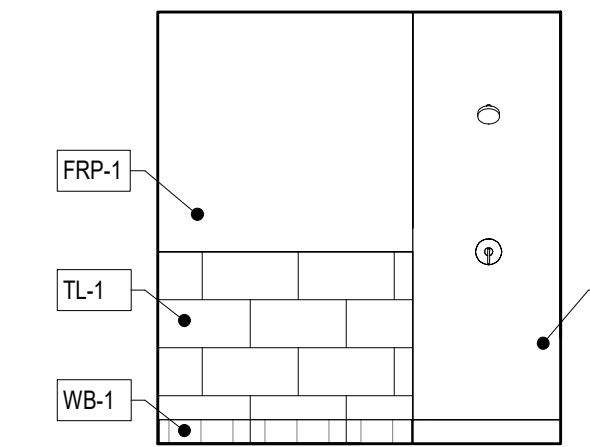
2 SHOWER
A8.10 Scale: 1/4" = 1'-0"



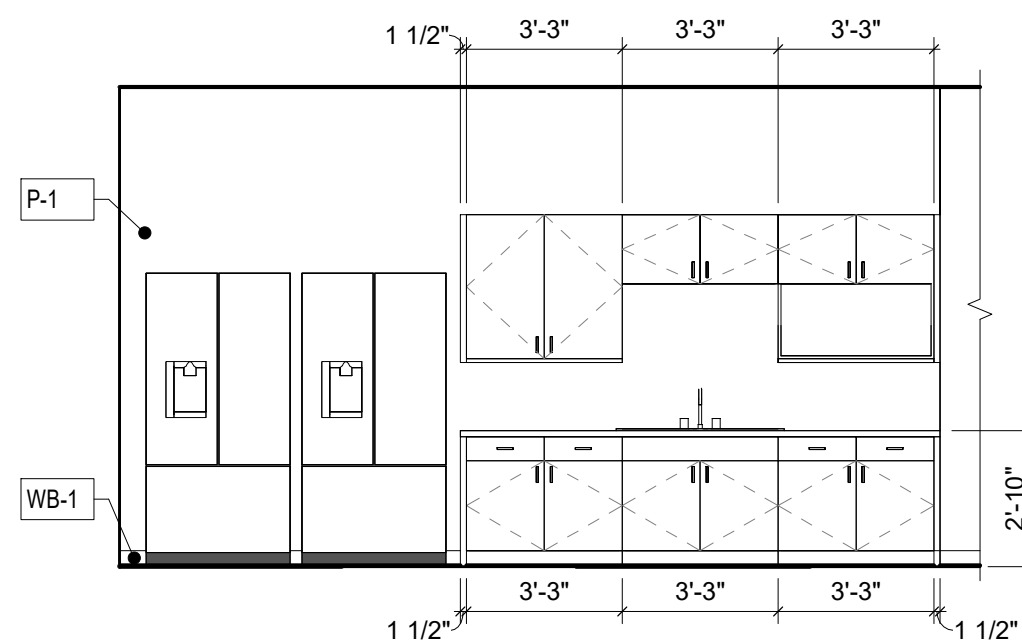
3 SHOWER
A8.10 Scale: 1/4" = 1'-0"



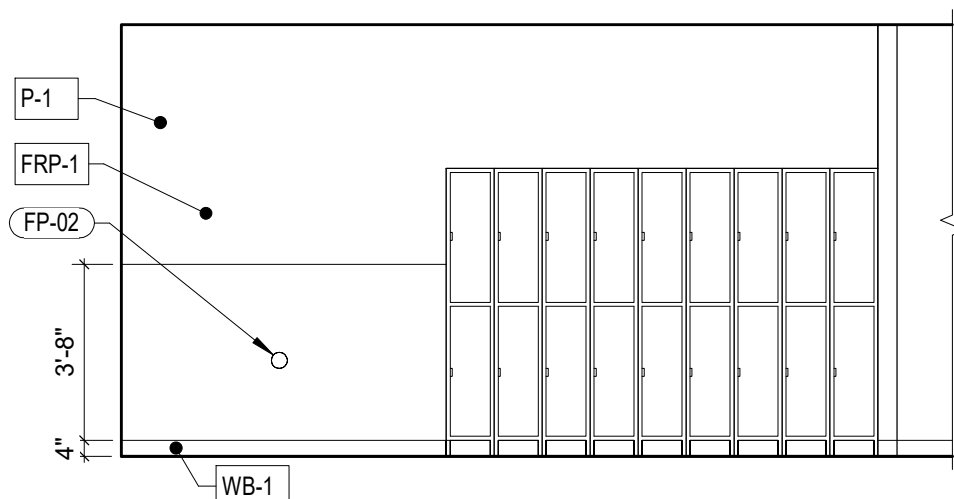
4 SHOWER
A8.10 Scale: 1/4" = 1'-0"



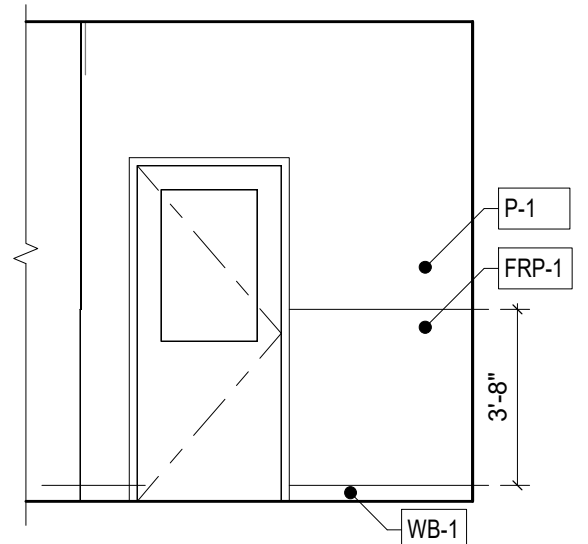
5 SHOWER
A8.10 Scale: 1/4" = 1'-0"



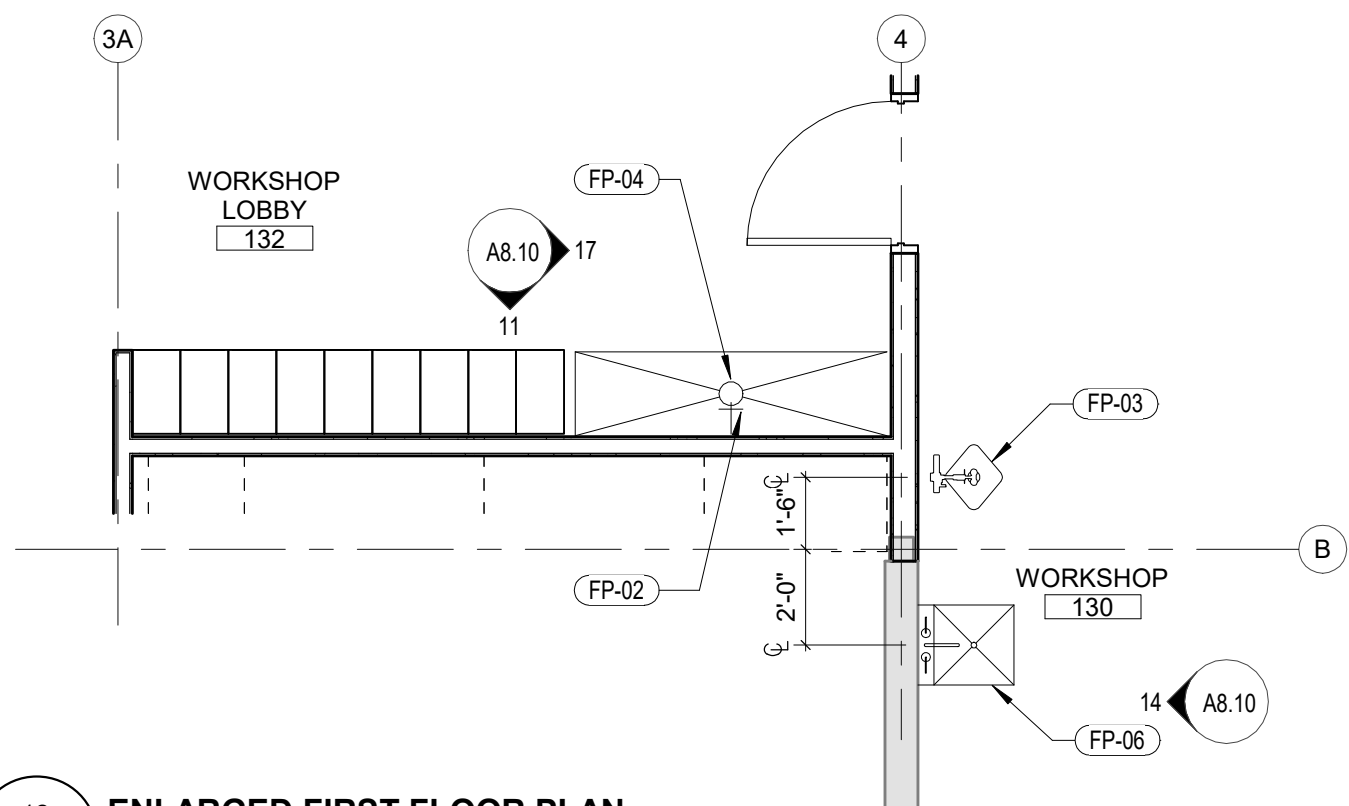
13 CLASSROOM/BREAK
A8.10 Scale: 1/4" = 1'-0"



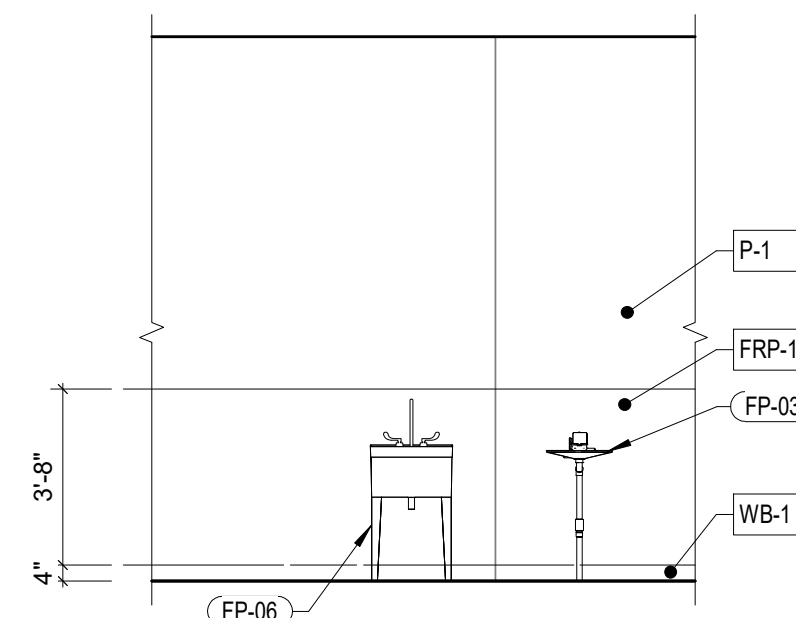
11 WORKSHOP LOBBY
A8.10 Scale: 1/4" = 1'-0"



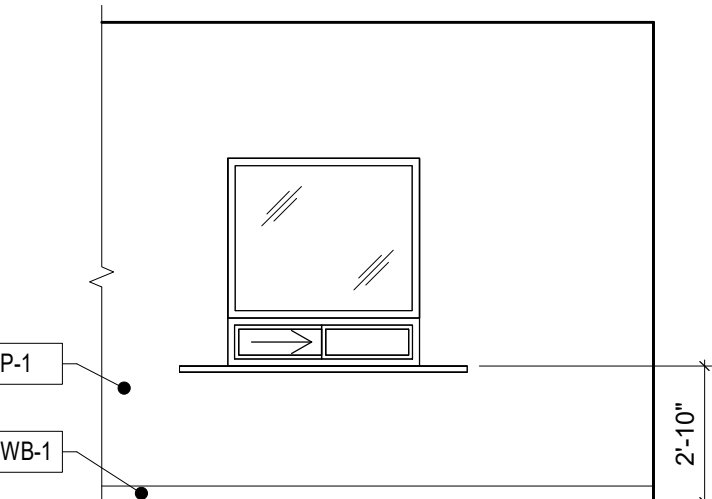
17 WORKSHOP LOBBY
A8.10 Scale: 1/4" = 1'-0"



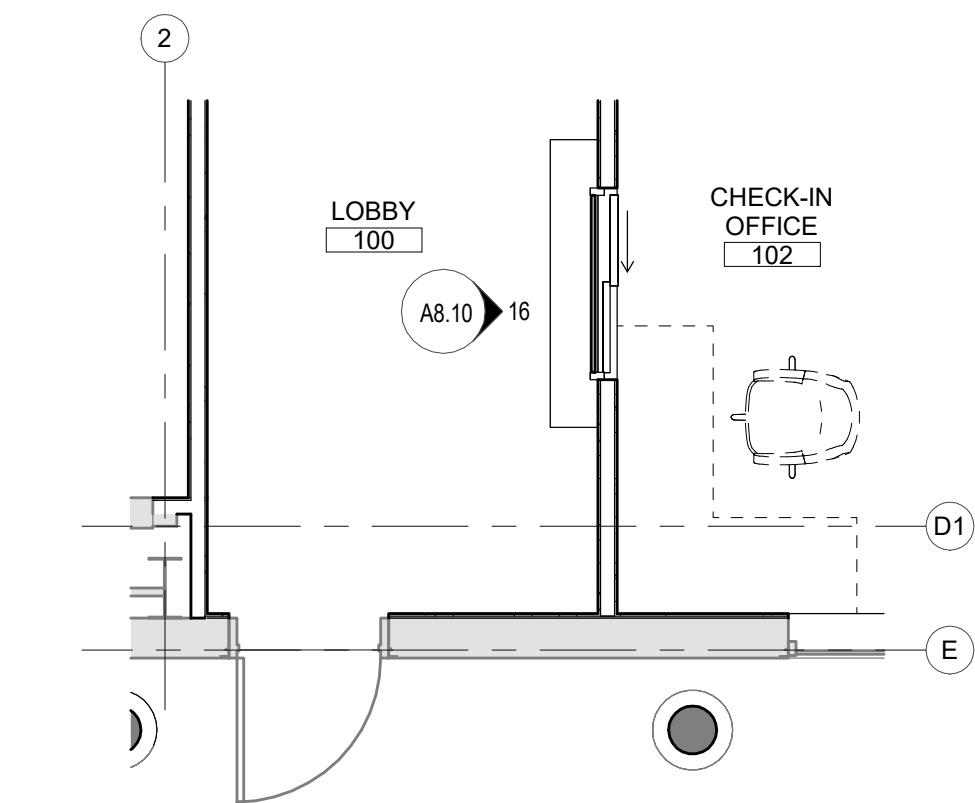
12 ENLARGED FIRST FLOOR PLAN
A8.10 Scale: 1/4" = 1'-0"



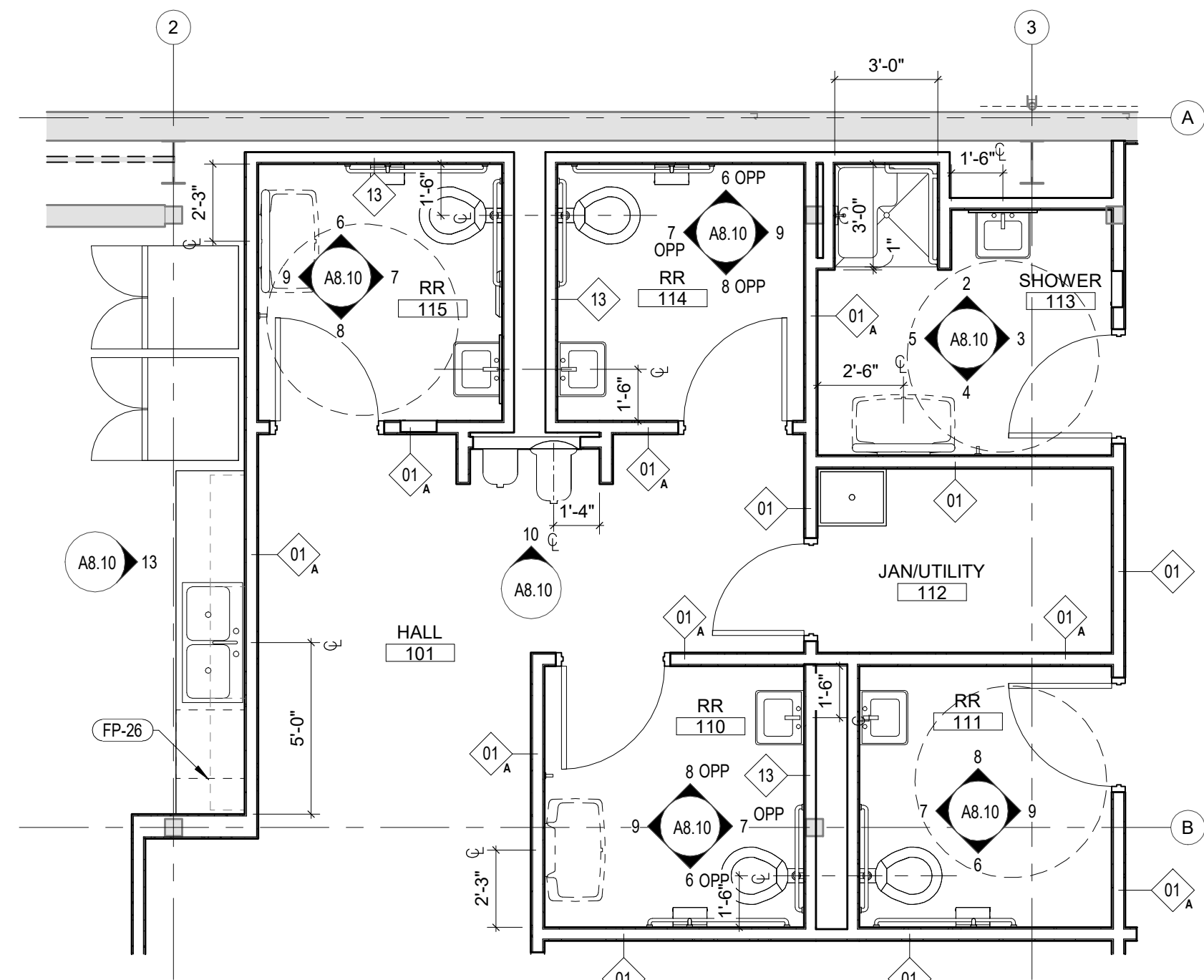
14 WORKSHOP
A8.10 Scale: 1/4" = 1'-0"



16 LOBBY
A8.10 Scale: 1/4" = 1'-0"



15 ENLARGED FIRST FLOOR PLAN
A8.10 Scale: 1/4" = 1'-0"



1 ENLARGED FIRST FLOOR PLAN
A8.10 Scale: 1/4" = 1'-0"

KEYNOTES - FLOOR PLAN

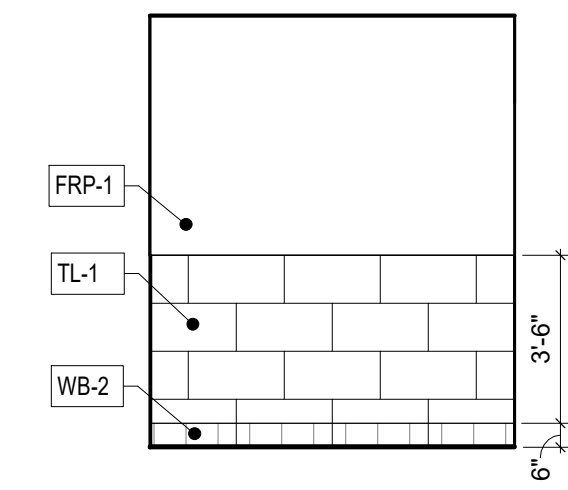
- FP-02 HOSE BIBB; TAMPER RESISTANT WITH SLIM PROFILE
- FP-03 EYEWASH; RE: PLUMBING
- FP-04 FLOOR DRAIN
- FP-06 UTILITY SINK
- FP-26 FUTURE DISHWASHER

KEYNOTES - TOILET ROOM

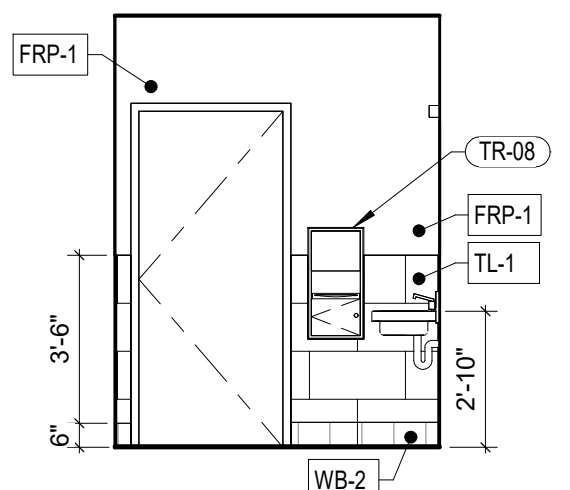
- TR-01 TOILET FIXTURE; RE: PLUMBING
- TR-02 LAVATORY; RE: PLUMBING
- TR-03 GRAB BARS; RE: STRUCTURAL
- TR-04 WALL HUNG MIRROR; RE: 11/A8.20
- TR-05 DIAPER CHANGING TABLE; RE: X/A8.20
- TR-06 DRINKING FOUNTAINS; RE: 5/A8.20
- TR-07 WALL MOUNTED LIGHTING FIXTURE; RE: ELECTRICAL
- TR-08 PAPER TOWEL DISPENSER; RE: X/AX.XX
- TR-09 TOILET SEAT COVER DISPENSER; X/AX.XX
- TR-10 TOILET PAPER DISPENSER; RE: X/AX.XX
- TR-11 6" CONCRETE CURB AROUND THE SHOWER
- TR-12 FOLDING OR NON-FOLDING SEAT

FINISH SCHEDULE

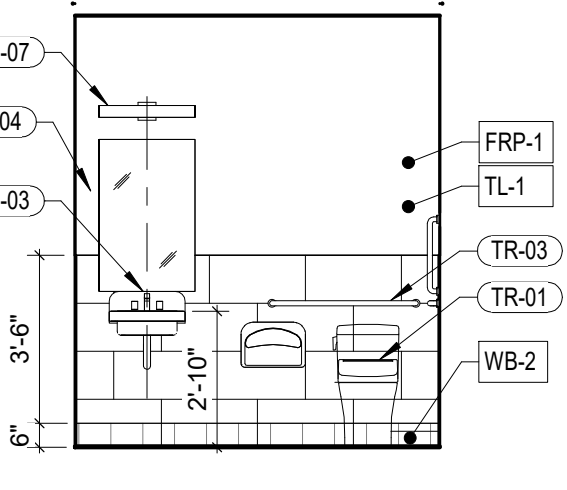
PAINT		
P-1	MFR: TBD COLOR: TBD FINISH: TBD CONTACT: TBD	STANDARD PAINT COLOR, UNLESS NOTED OTHERWISE
WALL COVERING		
FRP-1 FRP WALL COVERING	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
TL-1 WALL TILE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WALL BASE		
WB-1 RUBBER BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WB-2 TILE WALL BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
SEALED CONCRETE		
SC-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
CARPET TILE		
CT-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
VINYL		
LVP-1 LUXURY VINYL PLANK	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
OTHER		
MAT-1 WALK-OFF MAT	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	



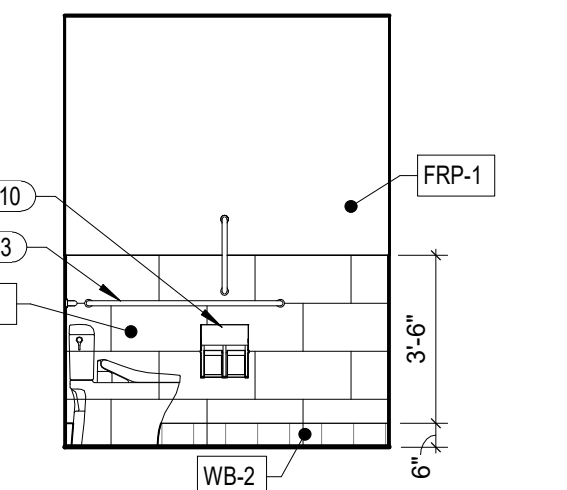
2 RESTROOM
A8.11 Scale: 1/4" = 1'-0"



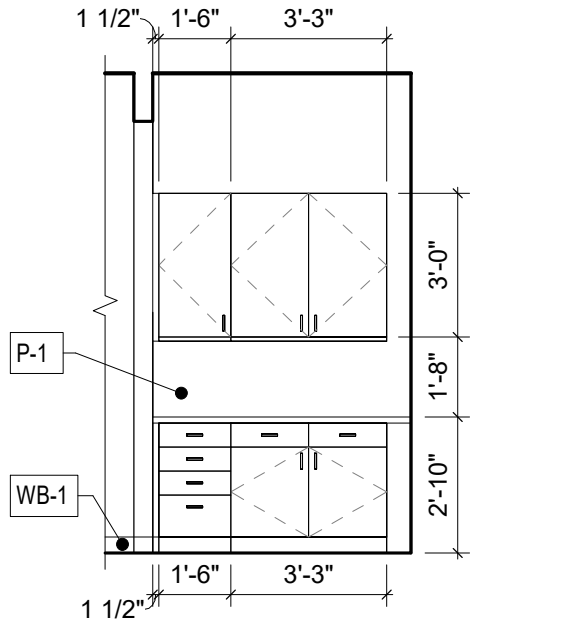
3 RESTROOM
A8.11 Scale: 1/4" = 1'-0"



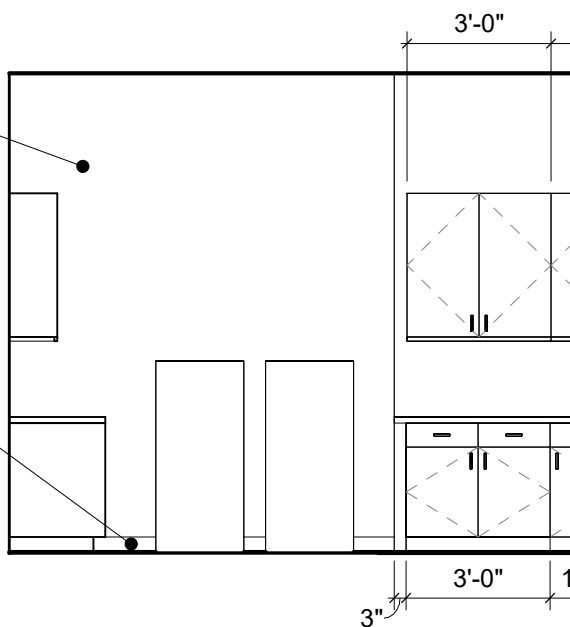
4 RESTROOM
A8.11 Scale: 1/4" = 1'-0"



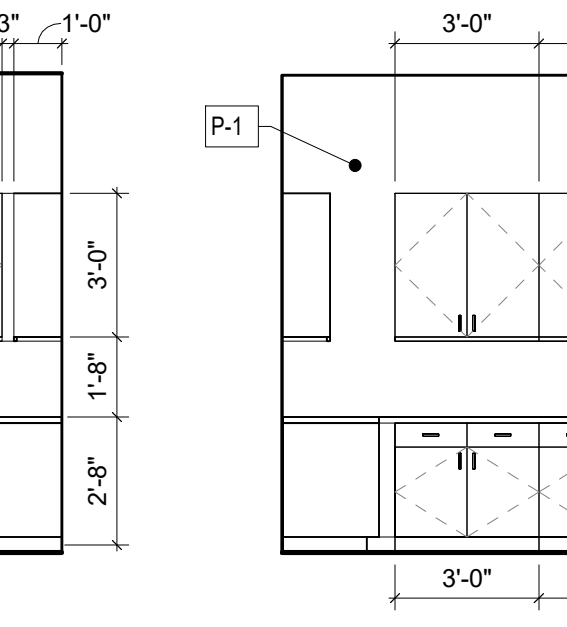
5 RESTROOM
A8.11 Scale: 1/4" = 1'-0"



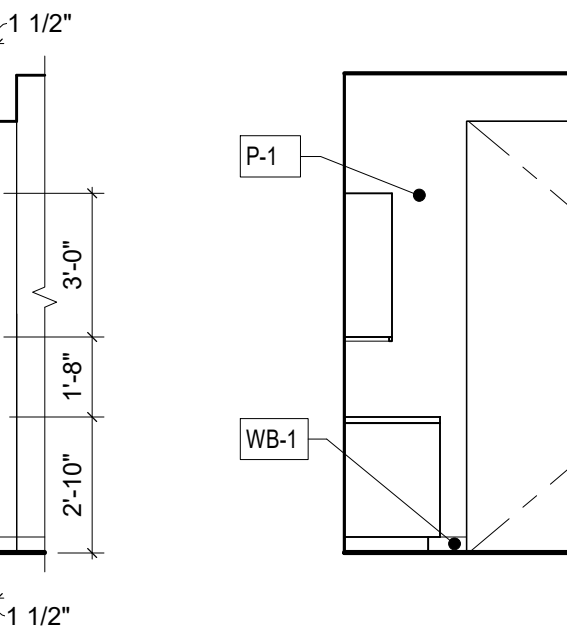
7 WORKROOM
A8.11 Scale: 1/4" = 1'-0"



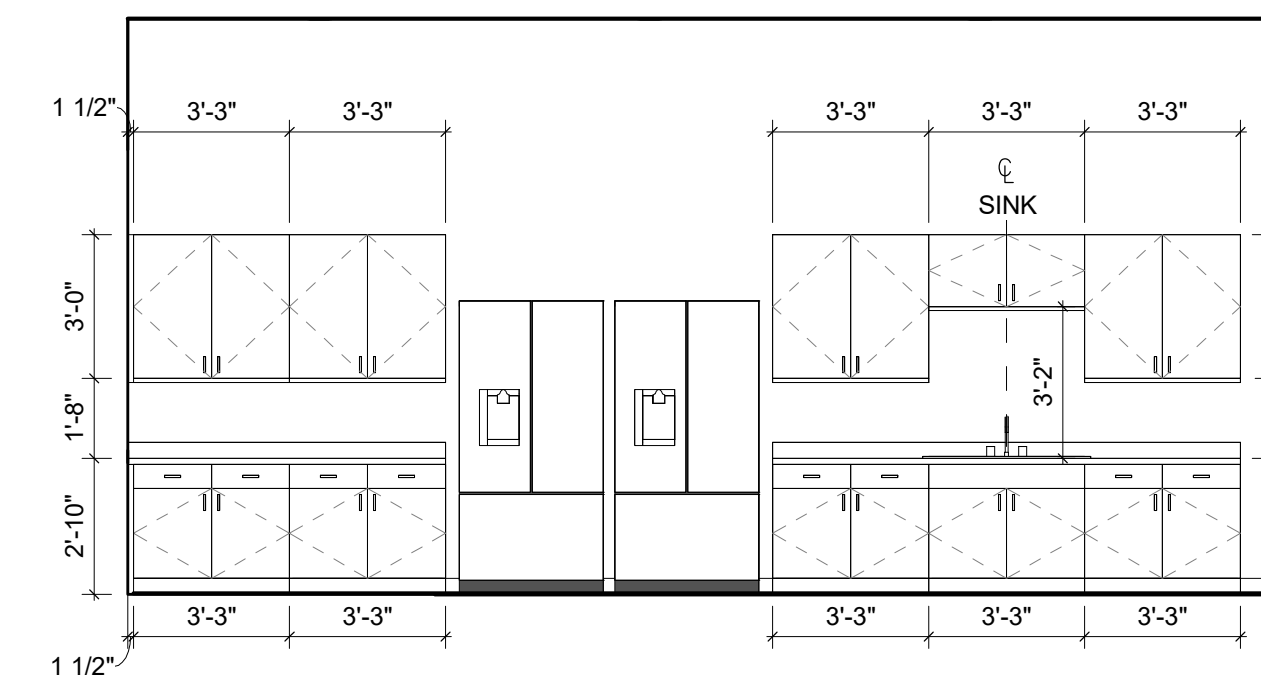
8 WORKROOM
A8.11 Scale: 1/4" = 1'-0"



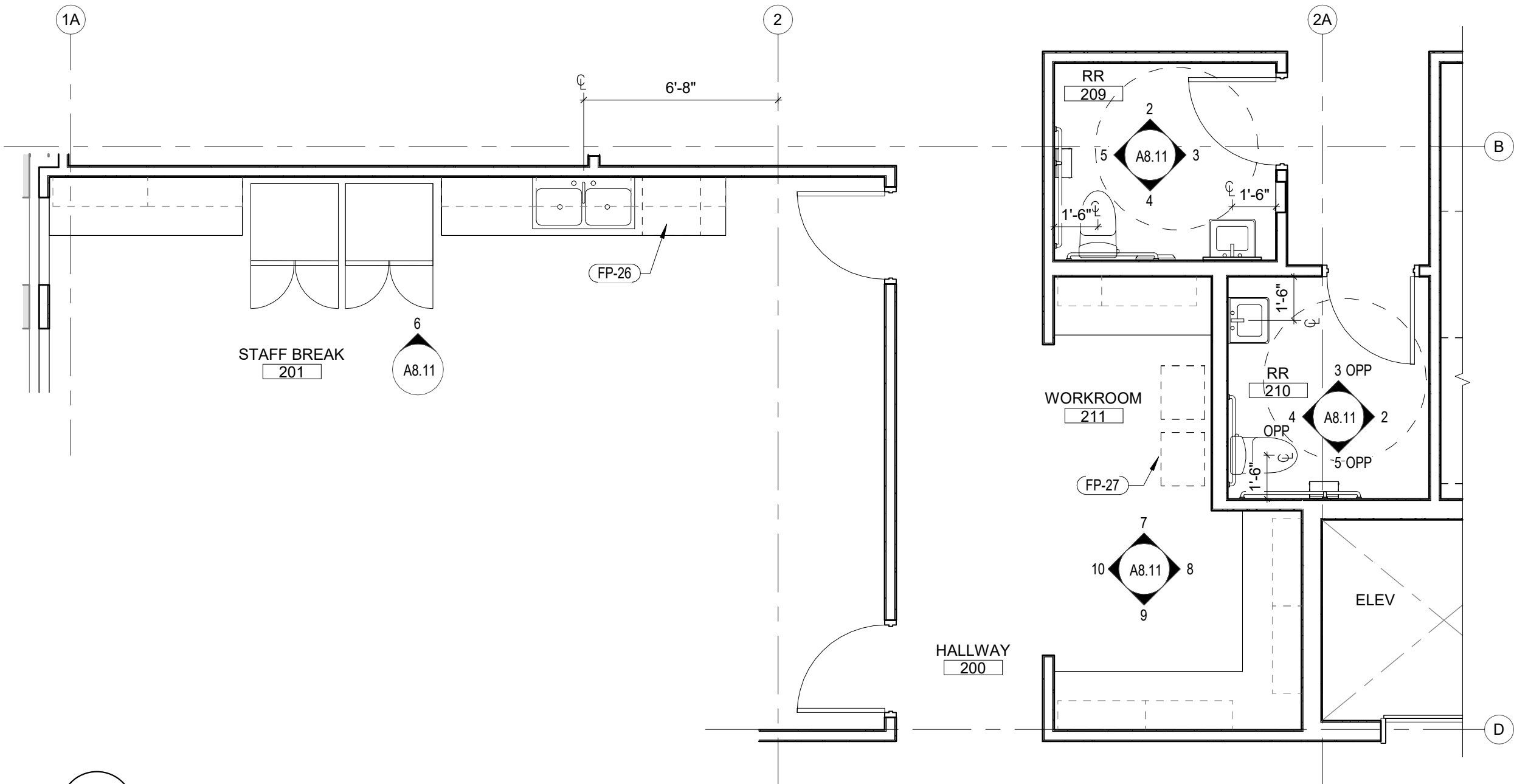
9 WORKROOM
A8.11 Scale: 1/4" = 1'-0"



10 WORKROOM
A8.11 Scale: 1/4" = 1'-0"



6 STAFF/BREAK
A8.11 Scale: 1/4" = 1'-0"



1 ENLARGED SECOND FLOOR
A8.11 Scale: 1/4" = 1'-0"

KEYNOTES - FLOOR PLAN

FP-26	FUTURE DISHWASHER
FP-27	COPY MACHINE

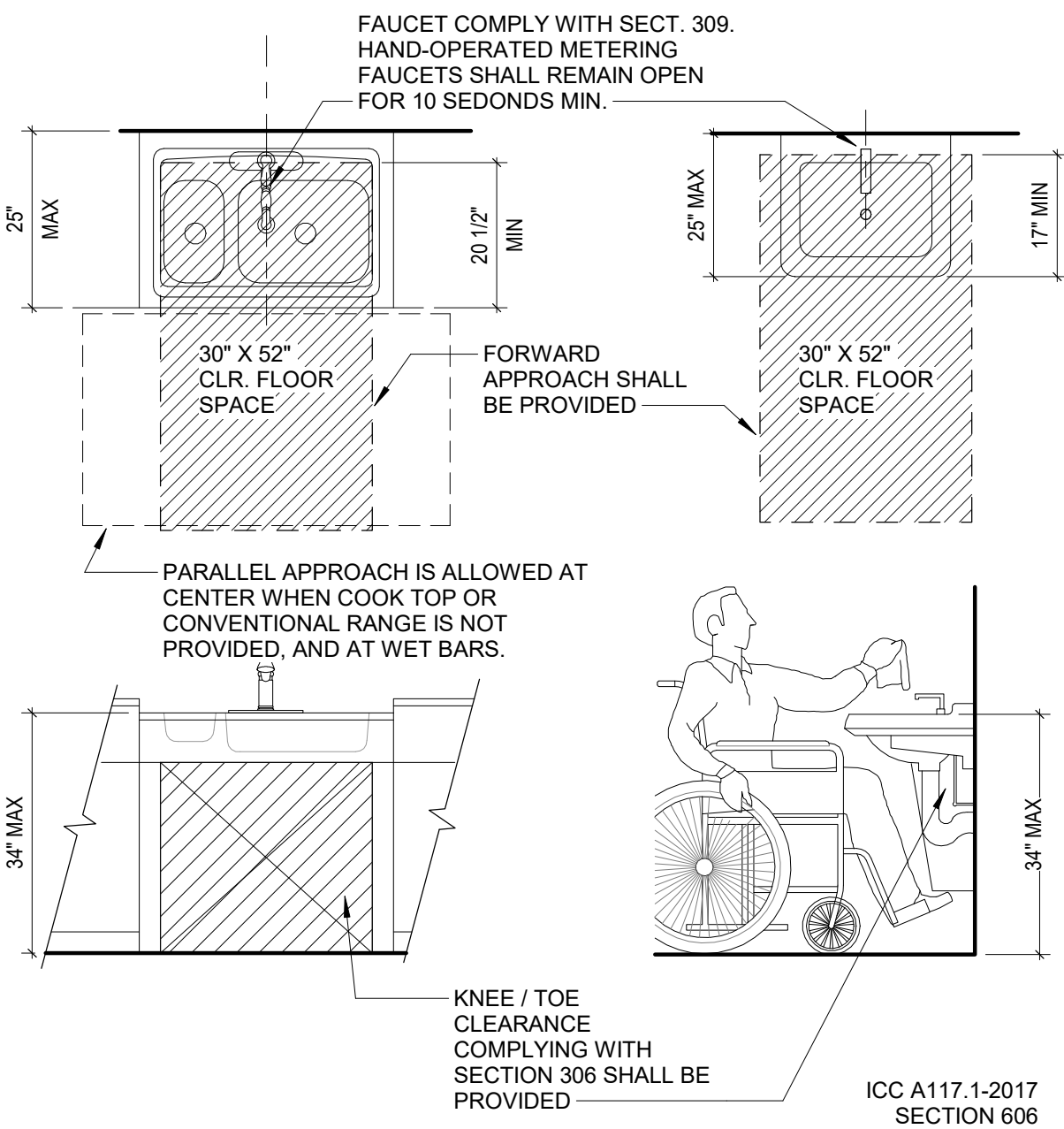
KEYNOTES - TOILET ROOM

TR-01	TOILET FIXTURE; RE: PLUMBING
TR-02	LAVATORY; RE: PLUMBING
TR-03	GRAB BARS; RE: STRUCTURAL
TR-04	WALL HUNG MIRRORL RE: 11/A8.20
TR-05	DIAPER CHANGING TABLE; RE: X/A8.20
TR-06	DRINKING FOUNTAINS; RE: S/A8.20
TR-07	WALL MOUNTED LIGHTING FIXTURE; RE: ELECTRICAL
TR-08	PAPER TOWEL DISPENSER; RE: X/AX.XX
TR-09	TOILET SEAT COVER DISPENSER; X/AX.XX
TR-10	TOILET PAPER DISPENSER; RE: X/AX.XX
TR-11	6" CONCRETE CURB AROUND THE SHOWER
TR-12	FOLDING OR NON-FOLDING SEAT

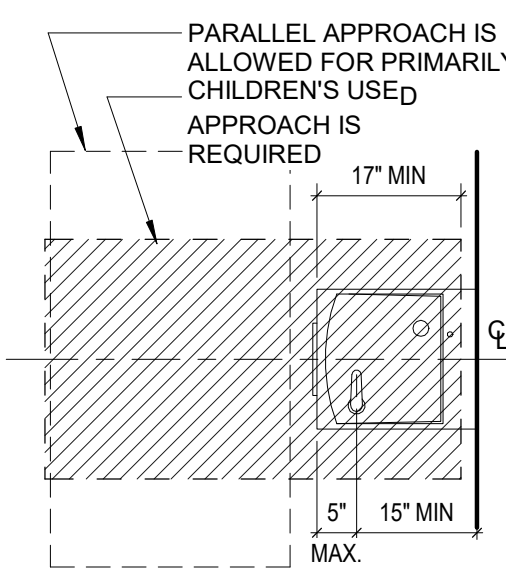
FINISH SCHEDULE

PANT		
P-1	MFR: TBD COLOR: TBD FINISH: TBD CONTACT: TBD	STANDARD PAINT COLOR, UNLESS NOTED OTHERWISE
WALL COVERING		
FRP-1 FRP WALL COVERING	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
TL-1 WALL TILE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WALL BASE		
WB-1 RUBBER BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
WB-2 TILE WALL BASE	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
SEALED CONCRETE		
SC-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
CARPET TILE		
CT-1	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
VINYL		
LVP-1 LUXURY VINYL PLANK	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	
OTHER		
MAT-1 WALK-OFF MAT	MFR: TBD STYLE: TBD COLOR: TBD CONTACT: TBD	

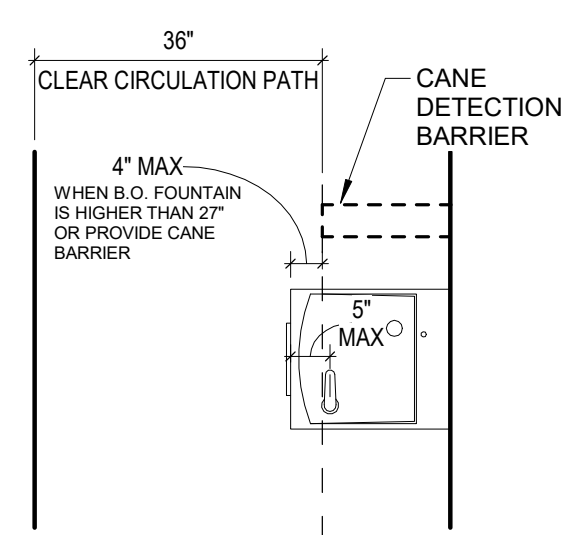
- NOTES:
1. WATER SUPPLY AND DRAIN PIPES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
 2. THERE SHALL BE NO SHARP OF ABRASIVE SURFACE UNDER LAV OR SINK.
 3. THE REQUIREMENT FOR KNEE AND TOE CLEARANCE SHALL NOT APPLY TO MORE THAN ONE BOWL OF A MULTI BOWL SINK.



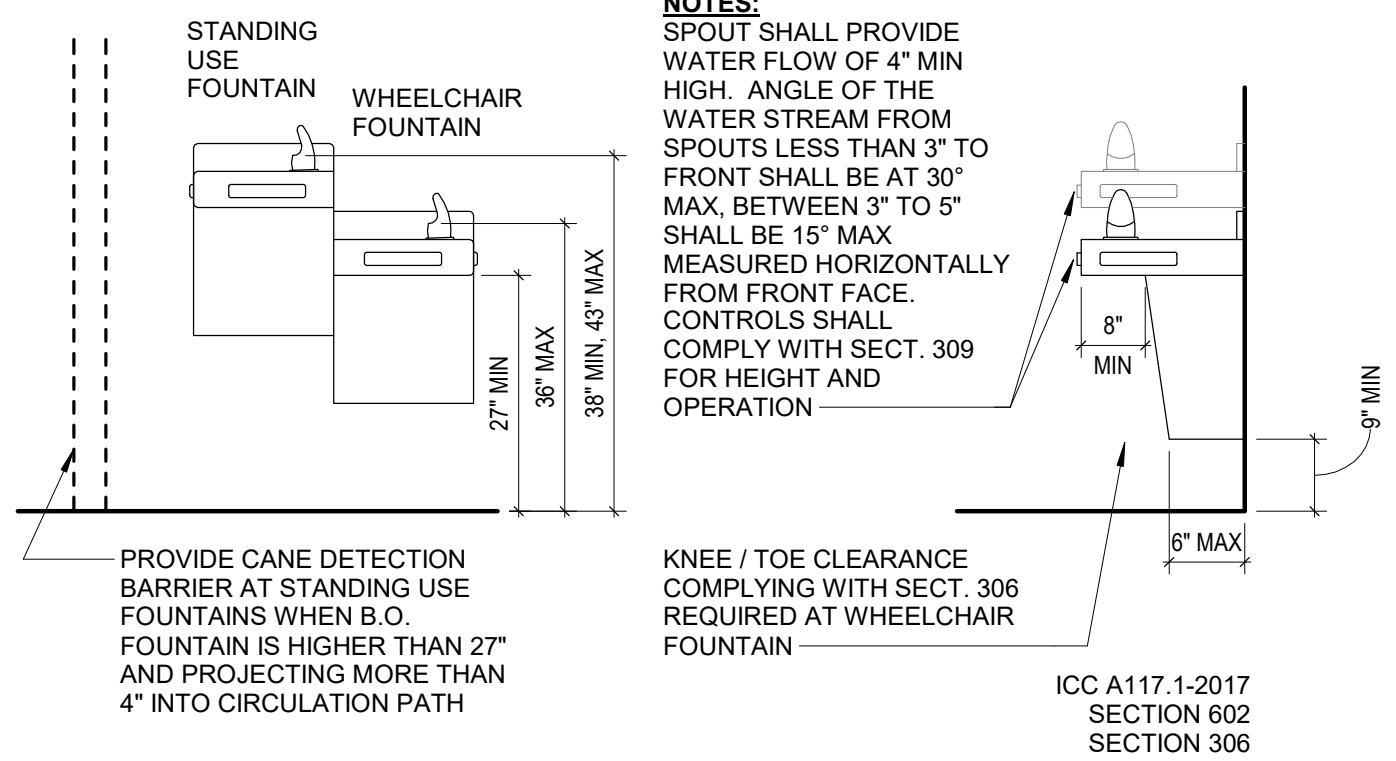
8 ACCESSIBLE LAVATORIES AND SINKS
A8.20 Scale: 1/2" = 1'-0"



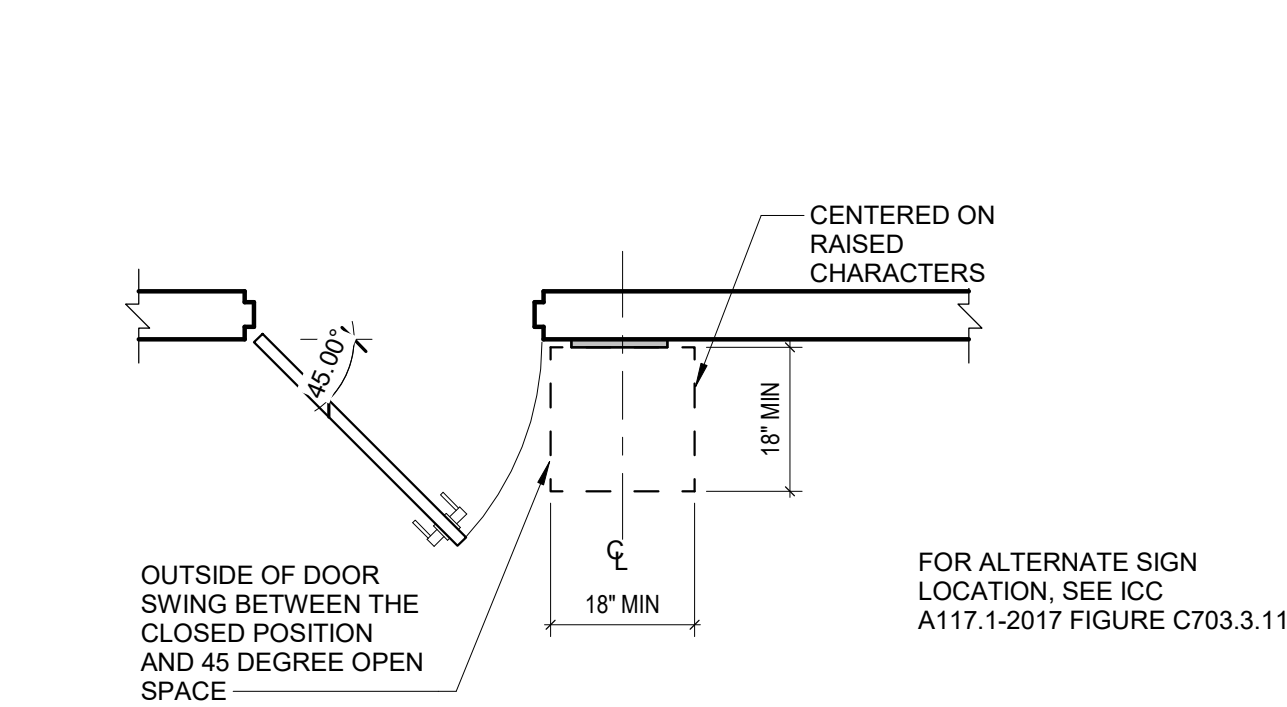
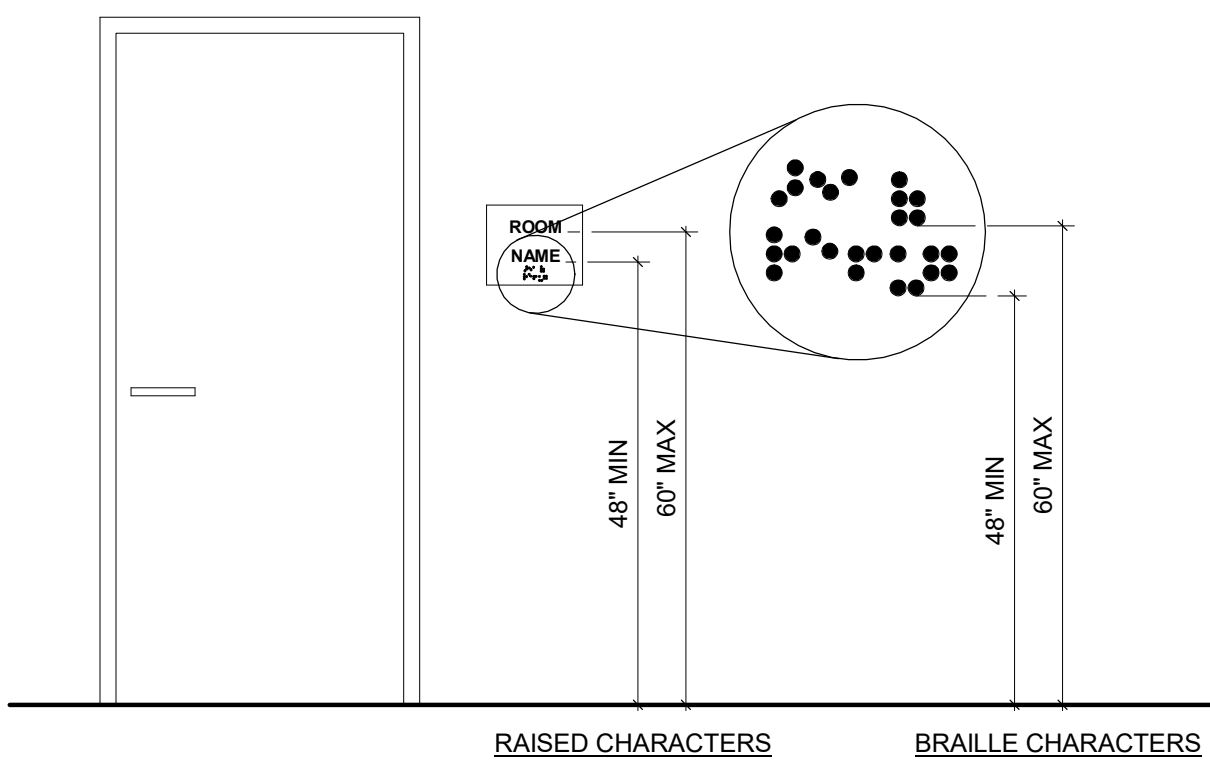
PLAN FOR WHEELCHAIR FOUNTAIN



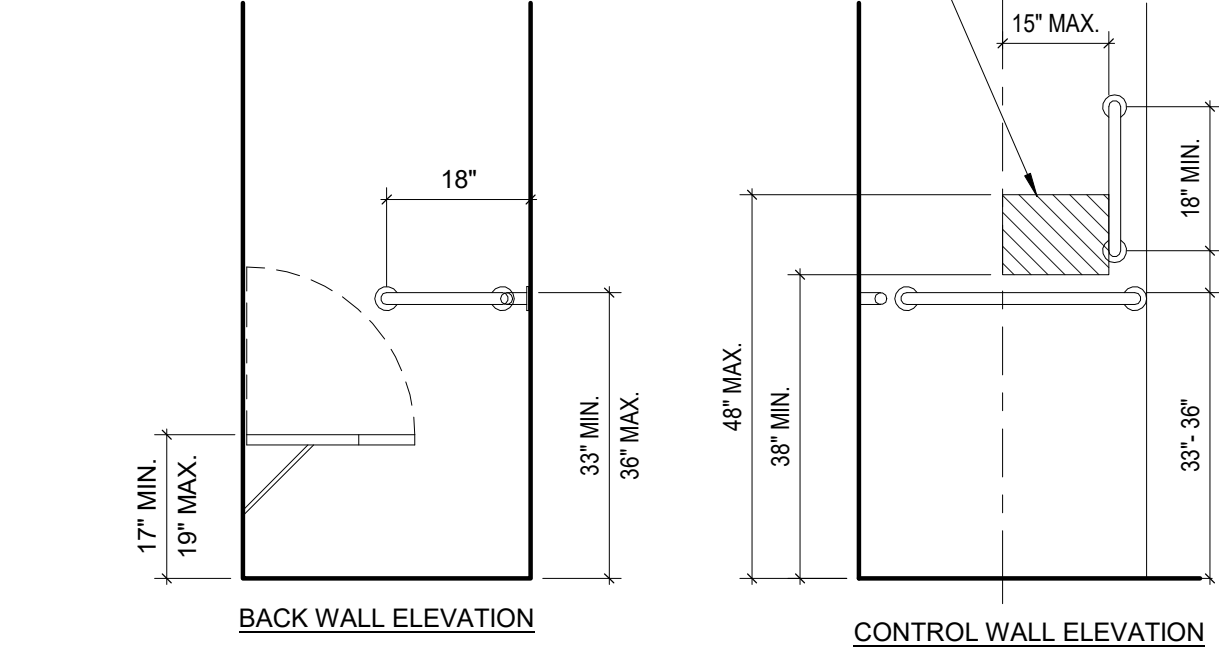
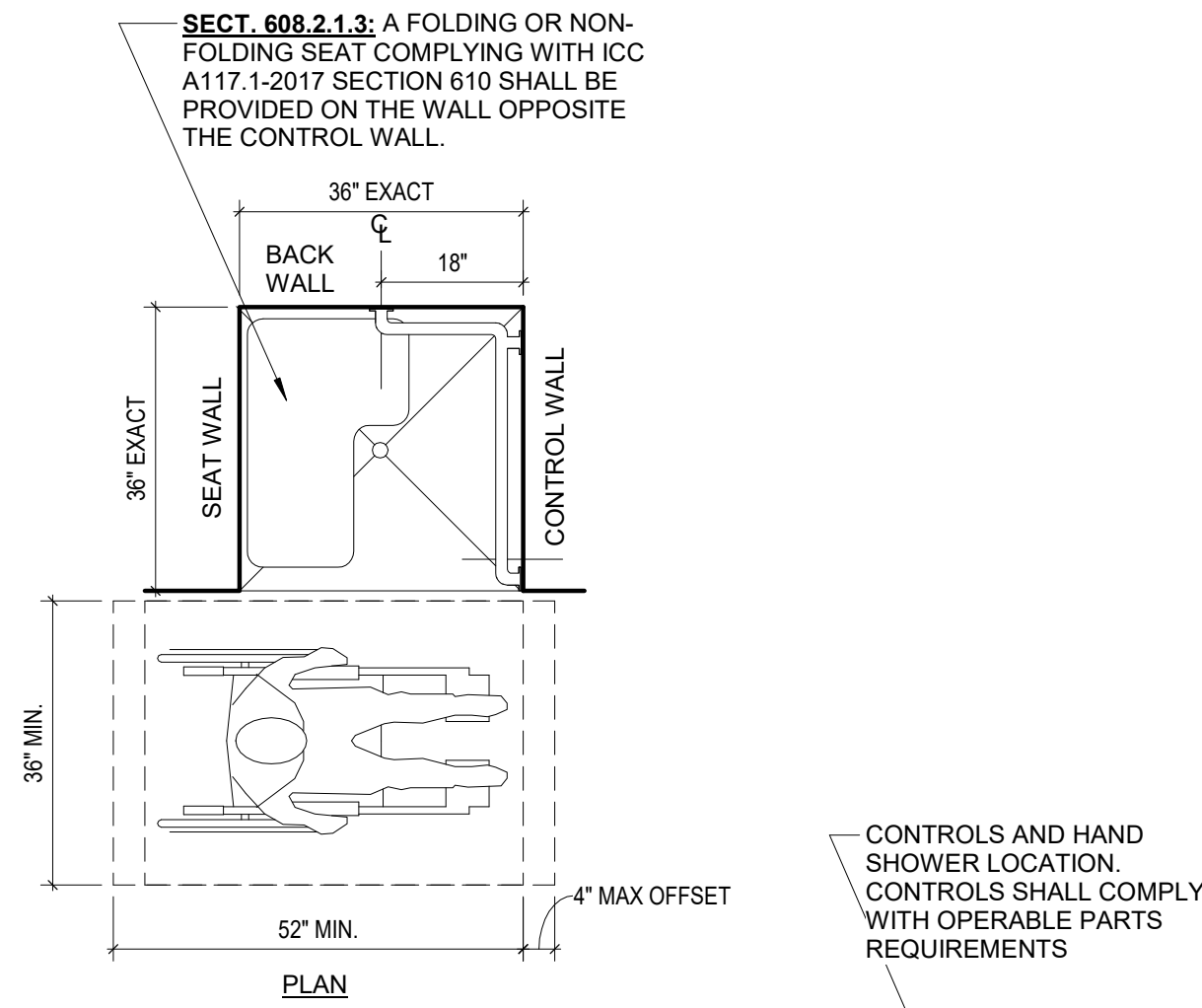
PLAN FOR STANDING USE FOUNTAIN



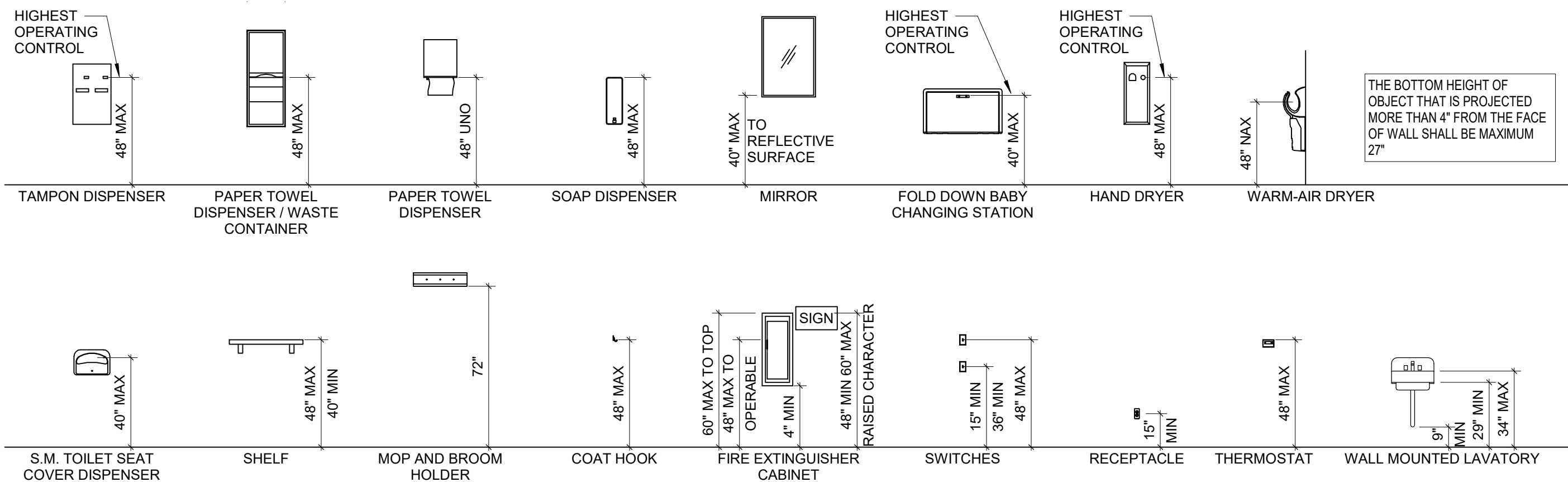
5 DRINKING FOUNTAINS
A8.20 Scale: 1/2" = 1'-0"



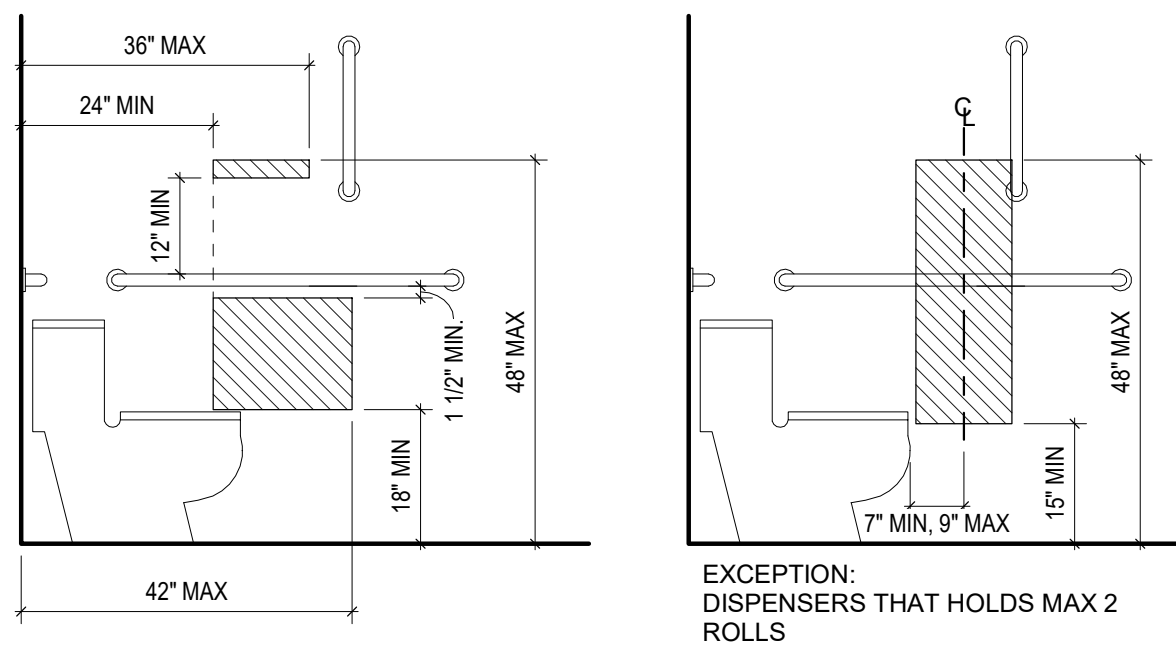
6 TACTILE SIGNAGE
A8.20 Scale: 1/2" = 1'-0"



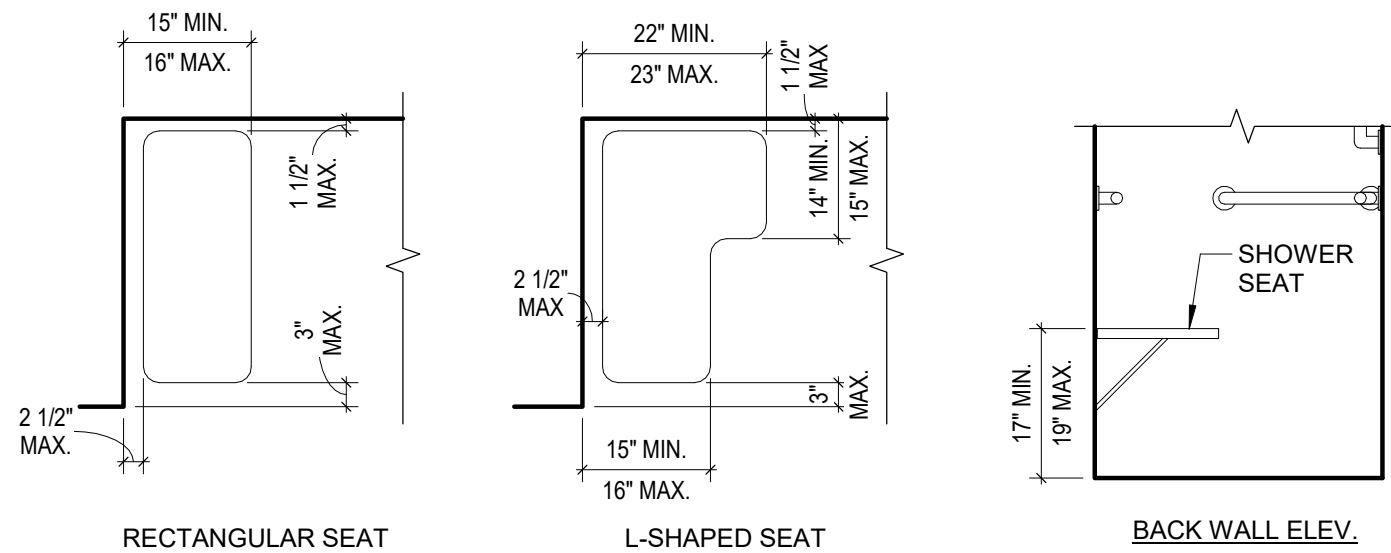
1 ACCESSIBLE TRANSFER TYPE SHOWER COMPARTMENT
A8.20 Scale: 1/2" = 1'-0"



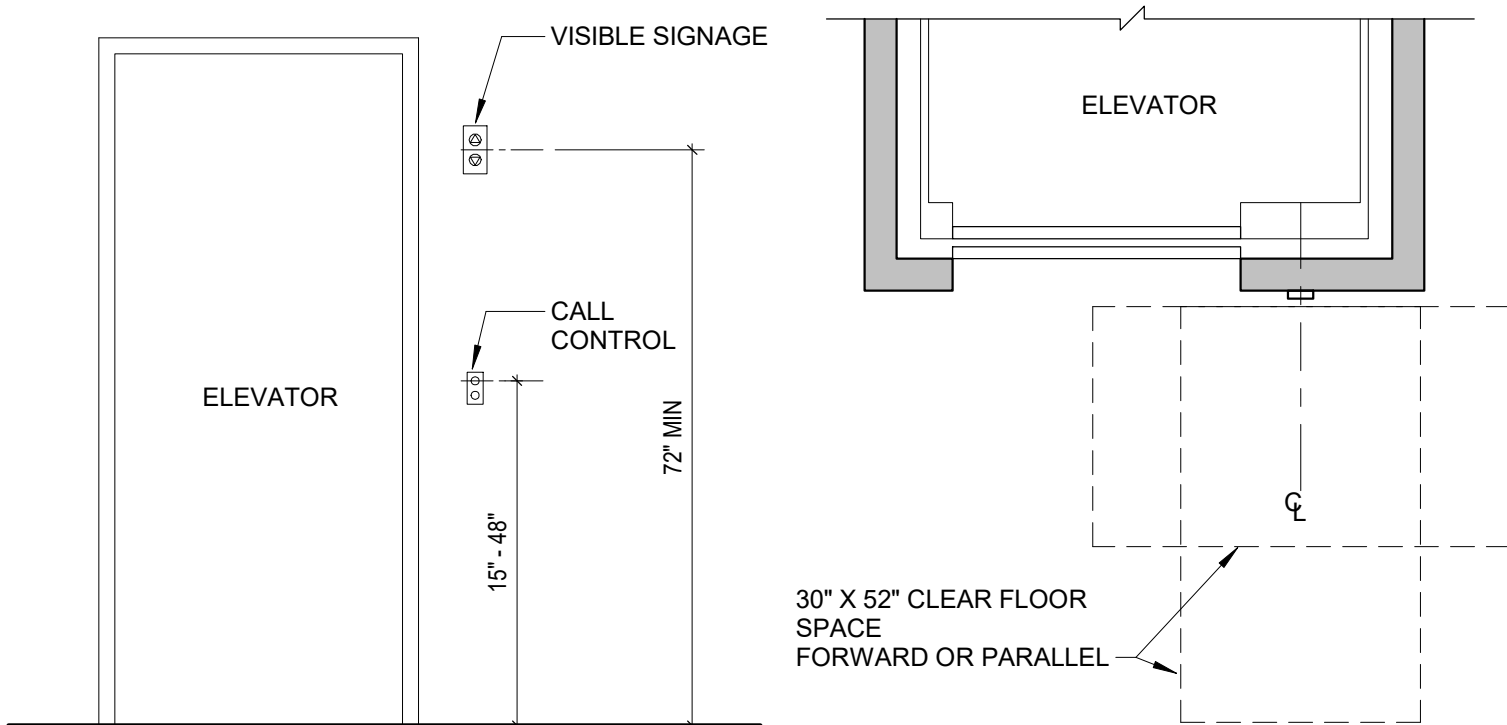
12 TYPICAL FIXTURE MOUNTING HEIGHTS
A8.20 Scale: 1/4" = 1'-0"



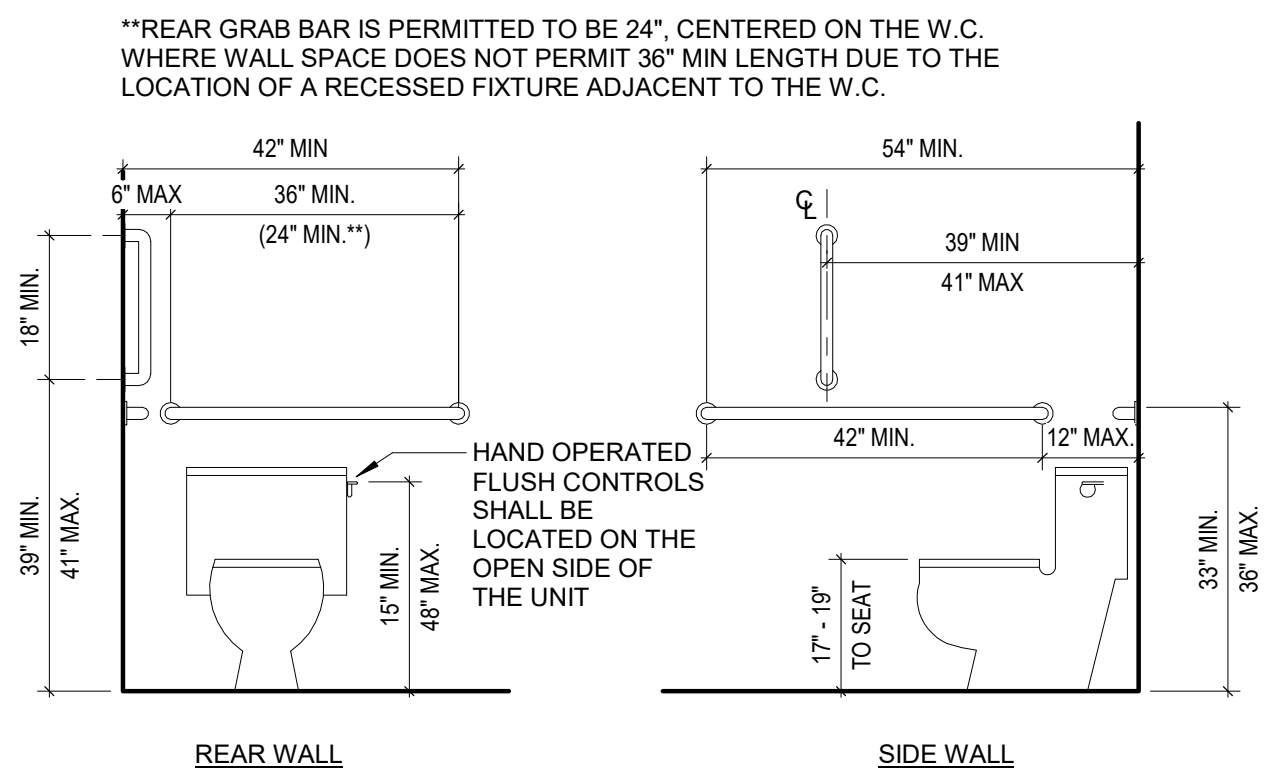
3 ACCESSIBLE TOILET PAPER DISPENSER LOCATIONS
A8.20 Scale: 1/2" = 1'-0"



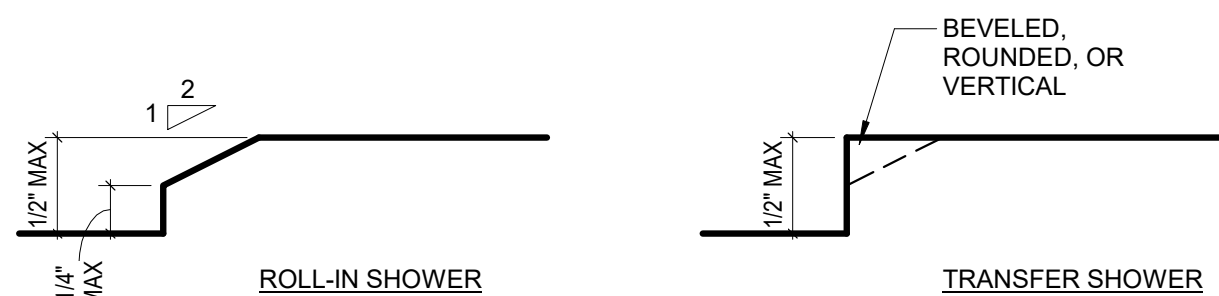
10 SHOWER COMPARTMENT SEATS
A8.20 Scale: 1/2" = 1'-0"



7 ELEVATOR CALL BOTTON AND SIGNAGE
A8.20 Scale: 1/2" = 1'-0"



4 ACCESSIBLE WATER CLOSETS AND GRAB BARS
A8.20 Scale: 1/2" = 1'-0"



2 ACCESSIBLE SHOWER THRESHOLD
A8.20 Scale: 1/2" = 1'-0"

WALL SCHEDULE

ASSEMBLY	SYMBOL	NOTES
WOOD STUD WALL - NOT RATED 	012X4 WOOD STUD 022X6 WOOD STUD 032X8 WOOD STUD	XXA W/ INSULATION
WOOD STUD WALL - 1 HR RATED 	01.12X4 WOOD STUD 03.12X8 WOOD STUD	
WOOD STUD WALL - 2 HR RATED 	01.22X4 WOOD STUD 02.22X6 WOOD STUD	XXA W/ INSULATION
WOOD STUD WALL - PLYWOOD FINISH 	062X6 WOOD STUD	XXA W/ INSULATION APPLY 4'-0" FROM FLOOR FINISH LEVEL
WOOD STUD WALL - PLYWOOD FINISH 	072X4 WOOD STUD	APPLY 4'-0" FROM FLOOR FINISH LEVEL
METAL STUD FURRING - NOT RATED 	101/2" METAL STUD	
WOOD STUD FURRING - NOT RATED 	122X4 STUD	
WOOD STUD FURRING - NOT RATED 	132X4 STUD	

GENERAL NOTES - WALL SCHEDULE

1. PROVIDE ACOUSTIC INSULATION IN ALL WALLS UNLESS NOTED OTHERWISE. STC TARGET RATING:

- 40-45 STC

OPEN PLAN OFFICES
BREAK ROOMS
HALLWAYS

- 45-50 STC

PRIVATE OFFICES

- 50-55 STC

CONFERENCE ROOMS
MOTHER ROOMS
RESTROOMS
MEP ROOMS
2. WATER RESISTANT GWB TO BE USED AT ALL WET AREAS
3. ALL SOUND RATED WALLS SHALL EXTEND FULL HEIGHT FROM FLOOR TO FLOOR AND SEAL AT THE TOP AND BOTTOM WITH RESILIENT CAULK
4. ALL GAPS AROUND PIPE AND DUCT PENETRATIONS IN SOUND RATED PARTITIONS SHALL BE LESS THAN 1/2" WIDE AND SEALED WITH NON-HARDENING ACOUSTICAL CAULK
5. AVOID BACK TO BACK ELECTRICAL OUTLETS IN THE SAME STUD CAVITIES. PROVIDE ACOUSTIC PUTTY PADS BEHIND THE ELECTRICAL BOXES IN WALLS RATED STC 50 OR HIGHER
6. FILL FULL DEPTH OF STEEL STUD CAVITY WITH GLASS FIBER BATT INSULATION
7. AT FIRE RATED WALL ASSEMBLIES, PROVIDE FIRE CAULK AT HORIZONTAL JOINT 48" AFF WHERE REQUIRED FOR FIRE RATED ASSEMBLY
8. SEE STRUCTURAL DRAWINGS FOR THICKNESS OF CONCRETE FOUNDATION AND STRUCTURAL WALLS
9. SEE SMOKE CONTROL DRAWINGS FOR SMOKE PARTITION AND SMOKE BARRIER LOCATIONS AND REQUIREMENTS. AT SMOKE PARTITIONS, WALL MUST BE SMOKE SEALED TO DECK ABOVE AND FLOOR BELOW. PENETRATIONS THROUGH SMOKE PARTITIONS MUST BE SMOKE SEALED

DOOR SCHEDULE

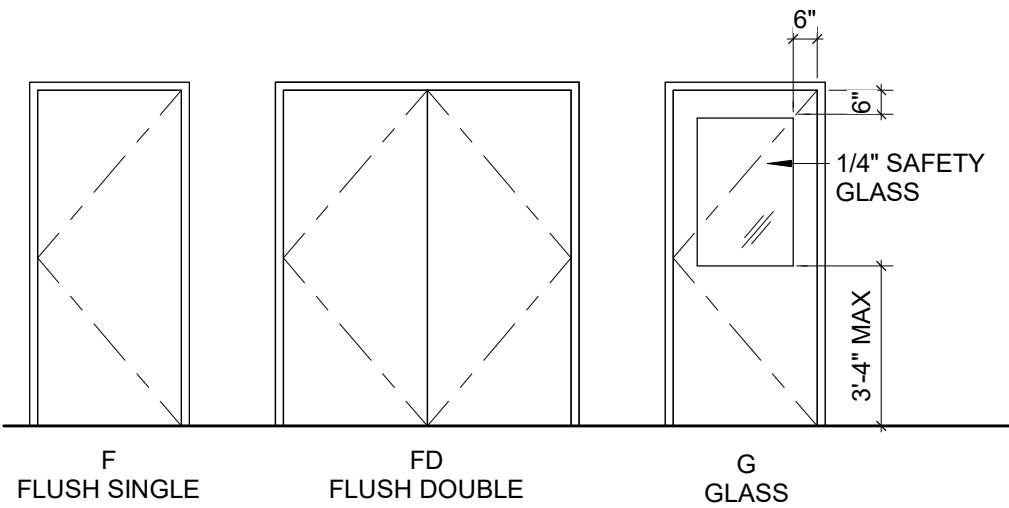
DOOR NO	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	DOOR		FRAME		FIRE RATING	HARDWARE	NOTES
						MATERIAL	FINISH	MATERIAL	FINISH			
FIRST FLOOR FF												
001A	WORKSHOP LOBBY	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
101A	CLASSROOM/BREAK	G	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
101B	CLASSROOM/BREAK	G	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
101C	HALL	F	2'-8"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
101D	WORKSHOP LOBBY	G	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
102A	CHECK-IN OFFICE	G	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
104B	WORKSHOP LOBBY	G	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
110A	RR	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
111A	RR	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
113A	SHOWER	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
114A	RR	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
115A	RR	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
120A	STORAGE	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
121A	ELEV CNTL	F	4'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
122A	MDF	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	90 MIN	HS-4	
123B	FIRE	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
SECOND FLOOR FF												
201A	STAFF BREAK	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
201B	STAFF BREAK	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
202A	CONFERENCE/CMD	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
203A	STORAGE/FLEX	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
203B	STORAGE/FLEX	FD	6'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-5	
203C	STORAGE/FLEX	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-4	
204A	2 STAFF OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
205A	2 STAFF OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
206A	2 STAFF OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
207A	2 STAFF OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
208A	2 STAFF OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
208A	RR	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
210A	RR	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	--	HS-3	
212A	VOC OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
213A	VOC DIRECTOR	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
214A	VOC OFFICE	F	3'-0"	7'-0"	1 3/4"	WOOD	PAINTED	WOOD	PAINTED	--	HS-4	
215A	ELECTRICAL / IDF	F	3'-0"	7'-0"	1 3/4"	HM	PAINTED	HM	PAINTED	45 MIN	HS-4	

WINDOW SCHEDULE

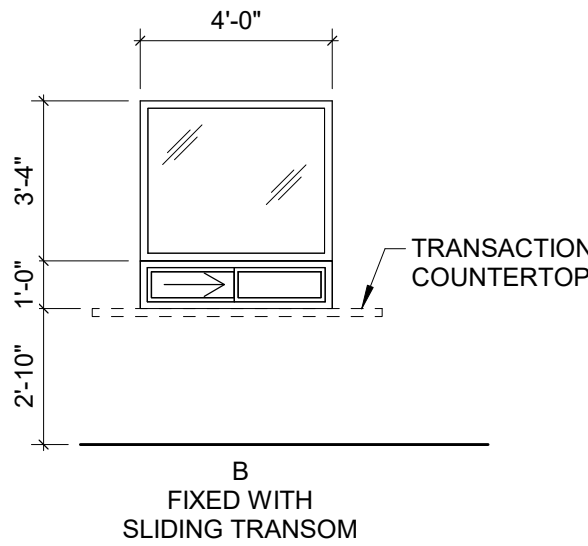
TYPE	WIDTH	HEIGHT	SILL HEIGHT	FRAME			NOTE
				MATERIAL	FINISH EXTERIOR	FINISH INTERIOR	
B	4'-0"	SEE WINDOW TYPES	SEE WINDOW TYPES	VINYL	FF	FF	

DOOR TYPES

ALL DOOR AND FRAME MATERIALS TO BE DESIGNATED WITHIN THE DOOR SCHEDULE
ALL DOOR WIDTHS AND HEIGHTS TO BE DESIGNATED WITHIN THE DOOR SCHEDULE



WINDOW TYPES



DOOR HARDWARE TYPES

- HS-3 (SINGLE OCCUPANT TOILET)**

 - 1 1/2 PAIR BUTT HINGES
 - 1 SURFACE MOUNTED CLOSER
 - 1 LEVER LATCHSET (PRIVACY FUNCTION)
 - 1 DOOR STOP
 - 1 CLOSER
 - 1 SET SEALS
 - 1 AUTOMATIC ACOUSTICAL DOOR BOTTOM

HS-4 (INTERIOR DOOR W/ CARD READER)

 - 1 1/2 PAIR BUTT HINGES
 - 1 SURFACE MOUNTED CLOSER WITH STOP (INTERIOR MOUNTED)
 - 1 LEVER LATCHSET
 - 1 SET SEALS
 - 1 DOOR STOP
 - 1 KICK PLATE
- HS-5 (INTERIOR DOUBLE DOOR)**

 - 2 1/2 PAIR BUTT HINGES
 - 2 SURFACE MOUNTED CLOSER WITH STOP (INTERIOR MOUNTED)
 - 1 LEVER LATCHSET
 - 1 SET SEALS
 - 2 DOOR SWEEPS
 - 2 DOOR STOP
 - 2 KICK PLATES

GENERAL NOTES - DOORS

- HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS SHALL HAVE A LEVER OR OTHER SHAPE TO PERMIT OPERATION BY WRIST OR ARM PRESSURE AND WILL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING TO ALL DOOR HARDWARE TO MEET REQUIREMENTS OF **2021 IBC WITH WASHINGTON STATE AMENDMENTS** AND OWNER'S BUILDING REQUIREMENTS
- ALL FIRE-RATED DOORS AND FRAMES SHALL COMPLY WITH THE **2021 IBC WITH WASHINGTON STATE AMENDMENTS**
- EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. ALL LOCKING DOORS TO HAVE SINGLE-ACTION LEVER RELEASE / SELF-RELEASING DEAD BOLTS
- DOOR THRESHOLD SHALL NOT EXCEED 1/2" IN HEIGHT
- HARDWARE TO MATCH BUILDING STANDARD TYPE AND FINISH
- MAXIMUM DOOR OPENING PRESSURES ARE LIMITED TO 8.5 LBS AT EXTERIOR DOORS AND 5.0 LBS AT INTERIOR DOORS
- VERIFY ALL DOOR SWINGS, HARDWARE, AND KEYING REQUIREMENTS. SUBMIT KEYING SCHEDULE AND HARDWARE SPECS FOR DESIGNER APPROVAL
- PROVIDE ACCESSIBLE RESTROOM SIGNAGE W/ TACTILE CHARACTERS. SIGNAGE SHALL BE INSTALLED 48" - 60" ABOVE FINISHED FLOOR PER CODE. RESTROOM SIGNAGE SHALL COMPLY WITH **2021 IBC WITH WASHINGTON STATE AMENDMENTS** AND ICC/ANSI. **SEE DETAIL 2/A6.90**
- MAIN EXTERIOR DOOR OR DOORS TO HAVE A READILY VISIBLE READABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND
- ALL GLAZING IN DOORS AND RELITES TO BE TEMPERED GLASS AND SHALL MEET THE SAFETY GLAZING REQUIREMENT OF THE **2021 IBC WITH WASHINGTON STATE AMENDMENTS** AND OWNER'S BUILDING REQUIREMENTS
- PROVIDE 1/4" MAXIMUM CLEARANCE BETWEEN DOOR AND FLOOR FINISH MATERIAL
- ALL DOOR FRAMES TO HAVE MITERED CORNERS

GENERAL NOTES - WINDOWS

- PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SILICONE SEALANT, INSIDE AND OUT AT PERIMETER OF WINDOW FRAME

GENERAL NOTES - DOOR HARDWARE

- PROVIDE STANDARD WEIGHT COMMERCIAL DOOR HINGES
- ALL DOORS WITH CLOSERS TO HAVE BALL BEARING HINGES
- PROVIDE ALL NECESSARY ITEMS FOR DOORS, INCLUDING: BUTTS, LATCH & LOCKSETS, CLOSERS, DOOR STOPS AND HOLDERS, KICK PLATES, DOOR SILENCERS, THRESHOLDS, SMOKE GASKET AND WEATHER STRIPPING. REFER TO DOOR SCHEDULE
- ALTERNATE MANUFACTURERS MAY BE SELECTED WITH DESIGNER'S APPROVAL
- VERIFY ALL HARDWARE MEETS CODE REQUIREMENTS PER JURISDICTION

TABLE C403.10.1.1 OUTDOOR AIR DUCTWORK INSULATION					
DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	AIR FLOW	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	4C AND 5B	≥ 2800 CFM	R-16	SEE SECTION C403.10.1.1 FOR ADDITIONAL REQUIREMENTS
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	4C	≥ 2800 CFM	R-8	
OUTDOOR AIR	INSIDE CONDITIONED SPACE	4C AND 5B	≤ 2800 CFM	R-7	SEE EXCEPTION 1 TO SECTION C403.10.1.1 FOR ADDITIONAL DETAILS

TABLE C403.10.1.2 SUPPLY, RETURN, EXHAUST AND RELIEF AIR DUCTWORK INSULATION				
DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
SUPPLY AIR OR RETURN AIR	WHERE LOCATED IN A BUILDING ENVELOPE ASSEMBLY	4C AND 5B	R-16	DUCT OR PLENUM IS SEPERATED FROM BUILDING ENVELOPE ASSEMBLY WITH THE MINIMUM INSULATION VALUE
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	R-3.3	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	NONE	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F OR LESS	4C AND 5B	NONE	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	R-8	
RELIEF OR EXHAUST AIR	CONDITIONED SPACE DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C AND 5B	R-16	
a. INSULATION R-VALUES, MEASURED IN h.ft2.° F/Btu. ARE FOR THE INSULATION AS INSTALLED AND DO NOT INCLUDE FILM RESISTANCE. THE REQUIRED MINIMUM THICKNESS DO NOT CONSIDER WATER VAPOR TRANSMISSION AND POSSIBLE SURFACE CONDENSATION. INSULATION RESISTANCE MEASURED ON A HORIZONTAL PLANE IN ACCORDANCE WITH ASTM C518 AT A MEAN TEMPERATURE OF 75° F AT THE INSTALLED THICKNESS. b. SEE INTERNATIONAL MECHANICAL CODE SECTIONS 603.12 AND 604 FOR FURTHER DETAILS ON DUCT INSULATION REQUIREMENTS.				

NISQUALLY VOCATINAL CENTER VENTILATION AIR									
AREA SERVE	SPACES	SQFT	PEOPLE	OSA/PERSON	OSA/SF	MIN. OSA CFM REQUIRED PER IMC TABLE 403.3.1.1	PLUMBING FIXTURE COUNT	EXHAUST CFM REQUIRED	OSA CFM PROVIDED
1ST FLOOR	CLASSROOM/BREAK 104	750	26.25	10	0.12	353			355
	CLASSROOM/BREAK 103	750	26.25	10	0.12	353			355
	HALL 101	800	0	0	0.06	48			50
	RESTROOM 115	50	0	0	0	0		50	50
	RESTROOM 114	50	0	0	0	0	1	50	50
	RESTROOM 110	54	0	0	0	0	1	50	50
	STORAGE 120	147	0	0	0.06	9			10
	ELEVATOR	70	0	0	0	0		70	70
	SHOWER 113	50	0	0	0	0	1	50	50
	JAN./UTILITY 112	46	0	0	0	0		46	50
	RESTROOM 111	54	0	0	0	0	1	50	50
	WORKSHOP LOBBY 132	396	3.96	10	0.06	63			65
	CHECK-IN OFFICE 102	171	1	5	0.06	15			15
	STORAGE FLEX 131	530	1.06	10	0.12	74			75
	WOODSHOP 130	2690	53.8	10	0.18	1022		1345	130
	MDF 122	80	0	0	0.06	5			5
	ELECTRICAL 124	126	0	0	0.06	8			10
SECOND FLOOR	ELEVATOR CONTROL 121	55	0	0	0.06	3			5
	FIRE ROOM 123	91	0	0	0.06	5			5
	1ST FLOOR ST-1 001	165	0	0	0.06	10			10
	1ST FLOOR ST-2 002	165	0	0	0.06	10			10
	2 STAFF OFFICE 207	168	2	5	0.06	20			20
	2 STAFF OFFICE 208	162	2	5	0.06	20			20
	2 STAFF OFFICE 206	156	2	5	0.06	19			20
	2 STAFF OFFICE 205	158	2	5	0.06	19			20
	2 STAFF OFFICE 204	152	2	5	0.06	19			20
	STAFF BREAK 201	516	20	5	0.06	131		361.2	365
	HALLWAY 200 NORTH	470	0	0	0.06	28			30
	RESTROOM 209	53	0	0	0	0	1	50	50
	RESTROOM 210	49	0	0	0	0	1	50	50
	WORKROOM	215	2	5	0.06	23			25
	HALLWAY 200 SOUTH	320	0	0	0.06	19			20
	STORAGE FLEX 203	572	0	0	0.12	69			70
	CONFERENCE/CMD 202	430	10	5	0.06	76			80
	VOC OFFICE 212	159	1	5	0.06	15			15
	VOC OFFICE 213	167	1	5	0.06	15			15
	VOC OFFICE 214	146	1	5	0.06	14			15
	STAIR-1 001	150	0	0	0.06	9			10
	STAIR-2 002	150	0	0	0.06	9			10
	ELEC 215	58	0	0	0.12	7			10
	IDF 216	58	0	0	0.12	7			10

	AIR TERMINAL SCHEDULE
SYMBOL	AIR TERMINAL - SIZES AS NOTED ON PLANS
CD-*	CEILING DIFFUSER: TITUS MODEL TDCA ADJUSTABLE DIFFUSER FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 24x12 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. ""* INDICATES THROW PATTERN.
CDH-*	CEILING DIFFUSER: TITUS MODEL TDCA ADJUSTABLE DIFFUSER FOR HARD CEILING APPLICATION. FURNISH WITH STANDARD FLANGE FRAME. MANUFACTURER'S STANDARD OFF-WHITE FINISH. ""* INDICATES THROW PATTERN.
OCD	OUTSIDE AIR CEILING DIFFUSER: TITUS MODEL TSW. SWIRL CEILING DIFFUSER FOR INSTALLATION IN T-BAR CEILINGS.
OCDH	OUTSIDE AIR CEILING DIFFUSER: TITUS MODEL TSW, SWIRL CEILING DIFFUSER FOR INSTALL IN HARD CEILING APPLICATION.
CEG	CEILING EXHAUST GRILLE: TITUS MODEL 50-F FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 24x12 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CEGH	CEILING EXHAUST GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGCCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CRR	CEILING RETURN REGISTER: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGCCRATE GRILLE FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 12x24 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CRRH	CEILING RETURN REGISTER: SHALL BE TITUS MODEL 50-F 1/2"x1/2"x1/2" EGCCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER.PAINT DUCT MATTE BLACK BEHIND GRILLE.
EG	EXHAUST GRILLE: DUCT MOUNTED EXHAUST GRILLE. TITUS 350RL STEEL GRILLE WITH 35°-DEFLECTION LOUVERS SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER.
RH	ROOF HOOD: GREENHECK SPUN ALUMINUM MODEL GRSI, GRSR
SR OSR	SUPPLY REGISTER, OUTSIDE AIR SUPPLY REGISTER: TITUS MODEL 300FS FOR INSTALLATION ON EXPOSED DUCTWORK OR WALL, 3/4" BLADE SPACING, DOUBLE DEFLECTION, INDIVIDUALLY ADJUSTABLE BLADES, FRONT BLADES PARALLEL TO SHORT DIMENSION. INCLUDE OPPOSED BLADE VOLUME DAMPER. MANUFACTURER'S STANDARD OFF-WHITE FINISH.
TG	TRANSFER GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGCCRATE GRILLE FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 12x24 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
TGH	TRANSFER GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGCCRATE GRILLE FOR HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
WEG	WALL EXHAUST GRILLE: TITUS 350RL STEEL GRILLE WITH 35°-DEFLECTION LOUVERS SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER.
WTG	WALL TRANSFER GRILLE: TITUS MODEL 350RL, WITH HORIZONTAL 35°-DEFLECTION BLADES SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE. TURN BLADES UP.
WPL	WEATHERPROOF LOUVER: GREENHECK MODEL EVH-501 WIND-DRIVEN RAIN LOUVER. FRAME SHALL BE HEAVY GAUGE EXTRUDED 6005-T5 ALUMINUM, 5"x0.081. NOMINAL WALL THICKNESS. BLADES SHALL BE VERTICAL RAIN RESISTANT STYLE, HEAVY GAUGE EXTRUDED 6063-T5 ALUMINUM 0.060" POSITIONED ON APPROXIMATELY 1.5" SPACING. PROVIDE 3/4" x .051" FLATTENED EXPANDED ALUMINUM BIRD SCREEN IN REMOVABLE FRAME INSIDE MOUNT. MILL FINISH. FINAL COLOR PAINT TO MATCH WALL

FREIHEIT

ARCHITECTURE

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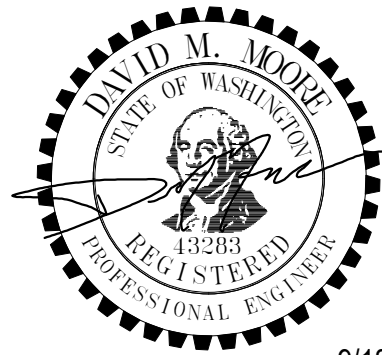
MECHANICAL SCHEDULES

M0.02

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CITY MULTI VRF INDOOR UNIT SCHEDULE																											
UNIT NO.	SYSTEM TAG	MANUFACTURE MITSUBISHI ELECTRIC TRANE HVAC US MODEL	TYPE	AREA SERVED	CFM	MAX FAN ESP SETTING 208V (IN WG)	NOMINAL COOLING CAPACITY (BTU/h)	NOMINAL HEATING CAPACITY (BTU/h)	COOLING DESIGN ENTERING TEMP DB/WB (°F) / [Water in temp]	HEATING DESIGN ENTERING TEMP DB/WB (°F) / [Water in temp]	CORRECTED CAPACITY			ESTIMATED COOLING COIL LAT (°F) / [LWT]	ESTIMATED HEATING COIL LAT (°F) / [LWT]	REFRIG. PIPE DIM LIQUID / SUCTION (inch)	COND. DRAIN PIPE (IN)	SOUND PRESSURE PER FAN SPEED 208V (dBA)	VOLTAGE / PHASE	POWER COOLING 208V (kW)	POWER HEATING 208V (kW)	MOTOR NAMEPLATE HP	ELECTRICAL MCA/MFS	CONDENSATE REMOVAL RATE (gal/hr)	UNIT WEIGHT (LBS)	NOTES / OPTIONS	
											COOLING TOTAL CAPACITY (BTU/h)	COOLING SENSIBLE CAPACITY (BTU/h)	HEATING CAPACITY (BTU/h)														
IDU1-1	ODU1-1	TPEFYP030MH1M0A	CEILING (DUCTED)	CLASSROOM / BREAK	880	1	30,000	34,000	80.0/67.0	70	29,457.2	21,482.0	32,206.2	57.0	103.8	3/8 / 5/8	1-1/4"	31-35-40	208V/1- PHASE	0.222	0.22		3.38/15	1.03	104	1, 2, 3, 4, 5, 6, 7, 8	
IDU1-2	ODU1-1	TPEFYP030MH1M0A	CEILING (DUCTED)	CLASSROOM / BREAK	880	1	30,000	34,000	80.0/67.0	70	29,457.2	21,482.0	32,206.2	57.0	103.8	3/8 / 5/8	1-1/4"	31-35-40	208V/1- PHASE	0.222	0.22		3.38/15	1.03	104	1, 2, 3, 4, 5, 6, 7, 8	
IDU1-3	ODU1-1	TPEFYP015MH1M0A	CEILING (DUCTED)	HALLS, RESTROOMS, STORAGE	490	1	15,000	17,000	80.0/67.0	70	14,728.6	11,191.5	16,103.1	58.6	100.2	1/4 / 1/2	1-1/4"	31-35-38	208V/1- PHASE	0.122	0.12		3.5/15	0.46	82	1, 2, 3, 4, 5, 6, 7, 8	
IDU1-4	ODU1-1	TPEFYP015MH1M0A	CEILING (DUCTED)	SHOWER JAN/UTILITY RESTROOM WORKSHOP LOBBY	490	1	15,000	17,000	80.0/67.0	70	14,728.6	11,191.5	16,103.1	58.6	100.2	1/4 / 1/2	1-1/4"	31-35-38	208V/1- PHASE	0.122	0.12		3.5/15	0.46	82	1, 2, 3, 4, 5, 6, 7, 8	
IDU1-5	ODU1-1	TPLFYP005FM1M0A	CEILING- CASSETTE (FOUR-WAY)	CHECK-IN OFFICE	280	0.6	5,000	5,600	80.0/67.0	70	4,909.5	4,349.6	5,304.6	65.3	87.6	1/4 / 1/2	1-1/4"	26-28-30	208V/1- PHASE	0.02	0.02		0.36/15	0.5	29	1, 2, 3, 4, 5, 6, 7, 9	
IDU1-6	ODU1-1	TPKFYP008LM1M0A	WALL - MOUNTED	STORAGE FLEX	235	0.6	8,000	9,000	80.0/67.0	70	7,855.3	6,119.3	8,525.2	55.6	103.3	1/4 / 1/2	5/8"	22-27-31-35	208V/1- PHASE	0.03	0.02		0.24/15	0.5	26	1, 2, 3, 4, 5, 6, 7	
IDU2-1	ODU2-1	TPLFYP005FM1M0A	CEILING- CASSETTE (FOUR-WAY)	STAFF OFFICE	280	-	5,000	5,600	80.0/67.0	70	4,909.5	4,349.6	5,184.9	65.3	87.2	1/4 / 1/2	1-1/4"	26-28-30	208V/1- PHASE	0.02	0.02		0.36/15	0.5	29	1, 2, 3, 4, 5, 6, 7, 9	
IDU2-2	ODU2-1	TPLFYP005FM1M0A	CEILING- CASSETTE (FOUR-WAY)	STAFF OFFICE	280	-	5,000	5,600	80.0/67.0	70	4,909.5	4,349.6	5,184.9	65.3	87.2	1/4 / 1/2	1-1/4"	26-28-30	208V/1- PHASE	0.02	0.02		0.36/15	0.5	29	1, 2, 3, 4, 5, 6, 7, 9	
IDU2-3	ODU2-1	TPEFYP012MA1M0A	CEILING (DUCTED)	STAFF OFFICES	370	0.6	12,000	13,500	80.0/67.0	70	11,782.9	8,269.7	12,499.3	58.9	101.2	1/4 / 1/2	1-1/4"	26-30-34	208V/1- PHASE	0.052	0.05		1.9/15	0.5	47	1, 2, 3, 4, 5, 6, 7, 8	
IDU2-4	ODU2-1	TPEFYP018MH1M0A	CEILING (DUCTED)	STAFF BREAK	490	1	18,000	20,000	80.0/67.0	70	17,674.3	12,504.0	18,517.5	56.1	104.7	1/4 / 1/2	1-1/4"	31-35-38	208V/1- PHASE	0.122	0.12		3.5/15	0.66	82	1, 2, 3, 4, 5, 6, 7, 8	
IDU2-5	ODU2-1	TPEFYP015MH1M0A	CEILING (DUCTED)	HALL RESTROOMS WORKROOM	490	1	15,000	17,000	80.0/67.0	70	14,728.6	11,191.5	15,739.9	58.6	99.5	1/4 / 1/2	1-1/4"	31-35-38	208V/1- PHASE	0.122	0.12		3.5/15	0.46	82	1, 2, 3, 4, 5, 6, 7, 8	
IDU2-6	ODU2-1	TPKFYP008LM1M0A	WALL - MOUNTED	STORAGE / FLEX	235	-	8,000	9,000	80.0/67.0	70	7,855.3	6,119.3	8,332.9	55.6	102.6	1/4 / 1/2	5/8"	22-27-31-35	208V/1- PHASE	0.03	0.02		0.24/15	0.5	26	1, 2, 3, 4, 5, 6, 7	
IDU2-7	ODU2-1	TPLFYP012FM1M0A	CEILING- CASSETTE (FOUR-WAY)	CONFERENCE / CMD	335	-	12,000	13,500	80.0/67.0	70	11,782.9	7,790.8	12,499.3	58.0	104.6	1/4 / 1/2	1-1/4"	26-30-34	208V/1- PHASE	0.02	0.02		0.36/15	0.5	31	1, 2, 3, 4, 5, 6, 8, 9	
IDU2-8	ODU2-1	TPEFYP012MA1M0A	CEILING (DUCTED)	VOC OFFICES	370	0.6	12,000	13,500	80.0/67.0	70	11,782.9	8,269.7	12,499.3	58.9	101.2	1/4 / 1/2	1-1/4"	26-30-34	208V/1- PHASE	0.052	0.05		1.9/15	0.5	47	1, 2, 3, 4, 5, 6, 7, 8	
AC1-1A	AC1-1B	PKA-AK24NL	WALL - MOUNTED	ELEVATOR CONTROL ROOM	775	-	24,000	26,000	80.0/67.0	70	24,158.3	16,520.7	15,307.3	59.9	88.3	3/8 / 5/8	5/8"	39-42-45	208V/1- PHASE				1/15	0.3	26	1, 2, 3, 4, 5, 6, 7	
AC1-2A	AC1-2B	PLA-AE48NL	CEILING- CASSETTE (FOUR-WAY)	1ST MDF ROOM	1200	-	49,000	60,000	80.0/67.0	70	45,152.3	32,343.1	36,681.9	54.5	98.3	3/8 / 5/8	1-1/4"	34 - 38 - 42 - 45	208V/1- PHASE				15-Feb	1.98	57	1, 2, 3, 4, 5, 6, 7, 9	
AC2-1A	AC2-1B	PKA-AK36NL	WALL - MOUNTED	2ND FLOOR IDF ROOM	920	-	36,000	38,000	80.0/67.0	70	33,953.7	21,793.0	22,610.4	57.6	92.8	3/8 / 5/8	5/8"	43-46-49	208V/1- PHASE				1/15	0.87	46	1, 2, 3, 4, 5, 6, 7	
AC2-2A	AC2-2B	PKA-AK36NL	WALL - MOUNTED	2ND ELECT. ROOM	920	-	36,000	38,000	80.0/67.0	70	33,953.7	21,793.0	22,610.4	57.6	92.8	3/8 / 5/8	5/8"	43-46-49	208V/1- PHASE				1/15	0.87	46	1, 2, 3, 4, 5, 6, 7	
1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB) 2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB) 3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES 4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES. 5. CORRECTED CAPACITY COOLING OUTDOOR DB 85°, HEATING OUTDOOR DB 17° 6. MODULATE SUPPLY AIR BASED ON MECHANICAL LOAD 7. PROVIDE BLUE DIAMOND MINI CONDENSATE PUMP WITH RESERVOIR & SENSOR - 208 V 8. PROVIDE WITH FILTER BOX WITH MERV 13 FILTERS. 9. UNIT SHALL HAVE BUILT-IN CONDENSATE LIFT MECHANISM DESIGNED TO PROVIDE UP TO 33" OF LIFT																											

CITY MULTI VRF OUTDOOR UNIT SCHEDULE																									
UNIT NO.	M-NET ADDRESS	MANUFACTURE	MODEL	MODULES	NOMINAL COOLING CAPACITY (BTU/h)	NOMINAL HEATING CAPACITY (BTU/h)	COOLING EFFICIENCY (I)EER [SEER]	COOLING EFFICIENCY EER2 [SEEEER2]	HEATING COP @ 47°F [HSPF]	NOM SYSTEM CONNECTED CAPACITY (%) of NOM)	DESIGN COOLING OUTDOOR TEMP DB (°F)	DESIGN HEATING OUTDOOR TEMP WB (°F)	MAX PIPE LENGTH FROM BC OR 1st JOINT (feet)	REFRIG. PIPE DIM HIGH/LOW PRESSURE (inch)	CORRECTED COOLING TOTAL CAPACITY (BTU/h)	CORRECTED HEATING CAPACITY (BTU/h)	SOUND PRESSURE (dBA)	INVERTER DRIVEN COMPRESSOR TYPE / QUANTITY	PRELIMINARY ADDED FIELD CHARGE (See Note 4)	ELECTRICAL-PER MODULE				UNIT WEIGHT (LBS)	NOTES / OPTIONS
																				VOLTAGE / PHASE	MCA 208	RFS	MOCP		
ODU1-1	51	mitsubishi electric trane hvac us	TURYE1203AMM0AN	EM120	120,000	135,000	23.6 / 13	0	3.910	85.8 %	87.0	14.6	80.0	3/4 / 1-1/8	121,370.1	110,448.5	80/83.5	SCROLL/1	35.5	208/3	51	60	80	611	1, 2, 3, 4
ODU2-1	60	mitsubishi electric trane hvac us	TURYE0963AMM0AN	EM96	96,000	108,000	24.95 / 14.05	0	4.200	90.6 %	87.0	14.6	50.0	3/4 / 7/8	93,447.8	90,458.2	77.5/80	SCROLL/1	36.6	208/3	40	40	60	604	1, 2, 3, 4
AC1-1B	7	mitsubishi electric trane hvac us	PUZ-AH24NL		24,000	29,000		12 [21.1]	3.4 [9.2]	100.0 %	87.0	14.6	0.0	3/8 / 5/8	24,158.3	17,073.6	49/52	-	-	208/1	22	25	37	155	1, 2, 3, 4
AC1-2B	8	mitsubishi electric trane hvac us	PUZ-AK48NL		48,000	60,000		10.4 [19.4]	3.3 [9.4]	100.0 %	87.0	14.6	0.0	3/8 / 5/8	45,152.3	36,681.9	60/62	-	-	208/1	38	40	67	265	1, 2, 3, 4
AC2-1B	9	mitsubishi electric trane hvac us	PUZ-AK36NL		36,000	40,000		12 [20.3]	4.1 [9.4]	100.0 %	87.0	14.6	0.0	3/8 / 5/8	33,953.7	23,800.4	52/53	-	-	208/1	34	35	56	224	1, 2, 3, 4
AC2-2B	18	mitsubishi electric trane hvac us	PUZ-AK36NL		36,000	40,000		12 [20.3]	4.1 [9.4]	100.0 %	87.0	14.6	0.0	3/8 / 5/8	33,953.7	23,800.4	52/53	-	-	208/1	34	35	56	224	1, 2, 3, 4
1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB) 2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB) 3. ADDED FIELD CHARGE LISTED IS IN ADDITION TO FACTORY CHARGE, THIS MUST BE UPDATED BASED UPON FINAL AS-BUILT PIPING LAYOUT 4. EFFICIENCY VALUES FOR EER, IEER, COP AREA BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED AND NON-DUCTED INDOOR UNITS																									



9/18/26

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ENERGY RECOVERY UNIT SCHEDULE																				
UNIT NO.	MANUFACTURER	MODEL	SUPPLY FAN				EXHAUST FAN				EXCHANGE EFFICIENCY			ELECTRICAL CONNECTION			SOUND LEVEL dBA	WEIGHT (POUNDS)	NOTES	
			CFM	ESP	KW	HP	CFM	ESP	KW	HP	TEMPERATURE	ENTHALPY COOLING %	ENTHALPY HEATING %	VOLT/PH	MCA	MOCP				
ERV1-1	mitsubishi	TLGHF0380RVX02A	355	0.86	0.34	0.45	355	0.86	0.34	0.45	65%	49%	61%	208/1	3.9	15	20-27-35-41	90	1, 2, 3	
ERV1-2	mitsubishi	TLGHF0380RVX02A	355	0.86	0.34	0.45	355	0.86	0.34	0.45	65%	49%	61%	208/1	3.9	15	20-27-35-41	90	1, 2, 3	
ERV1-3	mitsubishi	TLGHF0600RVX02A	585	0.86	0.515	0.69	585	0.86	0.515	0.69	67%	50%	64%	208/1	5.2	15	20-27-35-41	123	1, 2, 3	
ERV2-1	mitsubishi	TLGHF0600RVX02A	595	0.86	0.515	0.69	595	0.86	0.515	0.69	67%	50%	64%	208/1	5.2	15	20-27-35-41	123	1, 2, 3	
ERV2-2	mitsubishi	TLGHF0300RVX02A	280	0.60	0.30	0.40	280	0.60	0.30	0.40	67%	50%	64%	208/1	1.8	15	18-25.5-30.5-34	73	1, 2, 3	
1. PROVIDE MOTORIZED DAMPER FOR OUTSIDE AIR INTAKE AND EXHAUST OUTLET. PROVIDE WITH FACTORY CONTROLLER. 2. PROVIDE FAN SPEED CONTROLS. 3. PROVIDE WITH EC MOTOR.																				

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER SCHEDULE												
UNIT NO.	MANUFACTURER	MODEL	TYPE (DOUBLE MAIN/SUB)	NUMBERS OF PORTS	CONNECT CAPACITY TO BC	MCA	VOLT/ PH	POWER COOLING 208V (KW)	POWER HEATING 208V (KW)	COND. DRAIN PIPE (IN)	OPERATING WEIGHT (LBS)	NOTES
BC1-1	mitsubishi	CMB-M108NU-MA1-SV	MAIN	8	103,000	0.74	208/1	0.122	0.061	1-1/4"	106	
BC2-1	mitsubishi	CMB-M1012NU-MA1-SV	MAIN	12	85,000	1.1	208/1	0.182	0.091	1-1/4"	133	

AIR CIRCULATION FAN SCHEDULE												
UNIT NO.	MANUFACTURER	QUANTITY	MODEL	AREA SERVED	COVERAGE AREA MAX. CEILING HEIGHT (SQ. FT.)	INPUT POWER, 1 PHASE	WATTS	RPM	dBA	WEIGHT (POUNDS)	NOTES	
ACF-1	Airius	8	A-25-EC-STD-100-130	SHOP	25' (1200)	100-130 VAC, 60HZ	31	1640	44, 42, 40	9	PROVIDE WITH POWER CORD AND PLUG	
1. FOLLOW MANUFACTURE MOUNTING RECOMMENDATION. 2. PROVIDE WITH WALL MOUNTED CONTROLLER. 3. SEE ARCHITECTURAL PLANS FOR MOUNTING LOCATIONS												

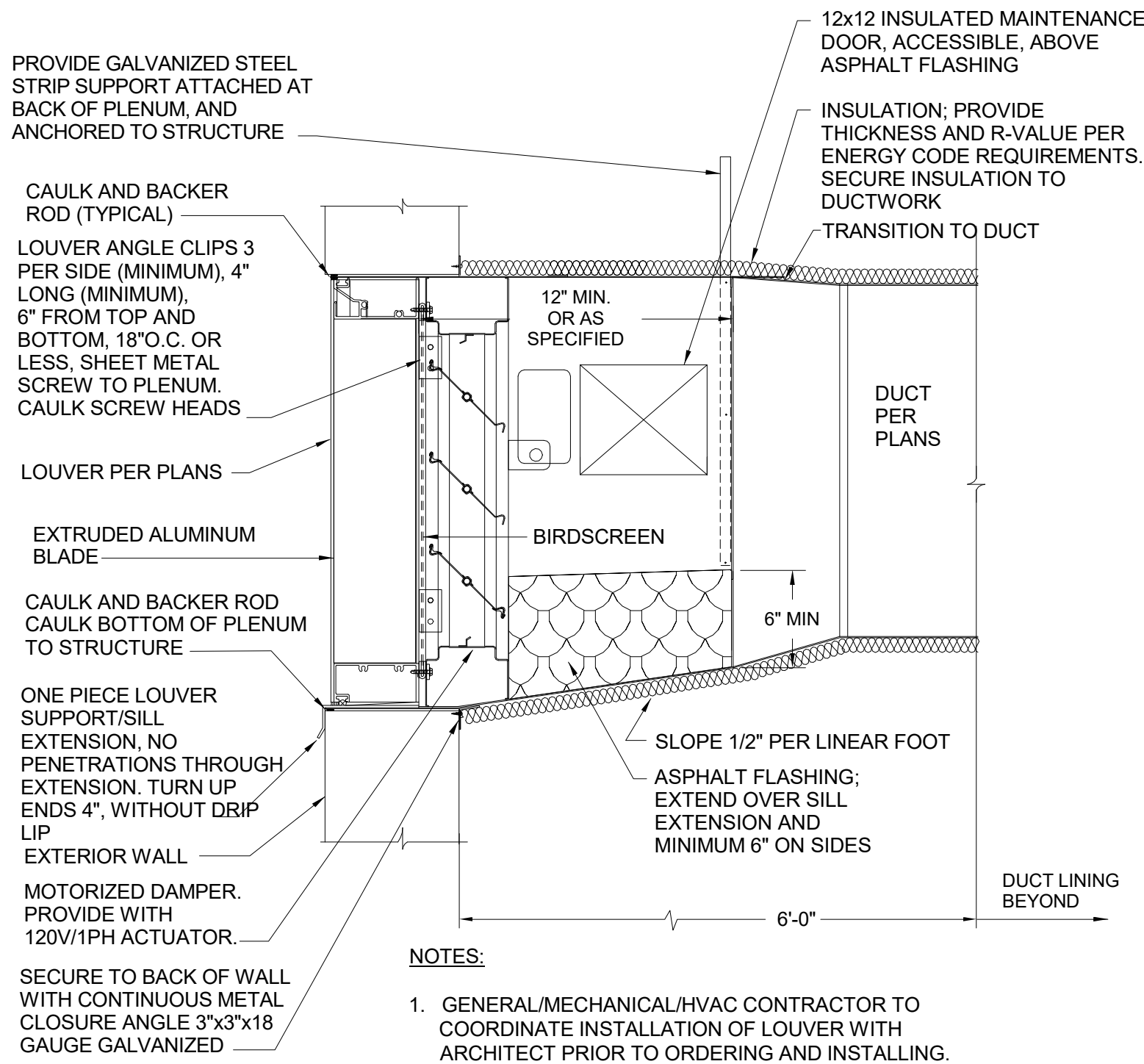
EXHAUST FAN SCHEDULE																
UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	PERFORMANCE				POWER CONNECTION		DISCONNE CT PROVIDED BY E.C.	BACKDRA FT DAMPER	SPEED CONTROL LER	WEIGHT (POUNDS)	INTERLOCK WITH	NOTES	
				CFM	ESP	RPM	SONES	HP	VOLT/PH							
EF-1	GREENHECK	SE1-14-440-VG	SHOP	675	0.28	1036	6.7	1/2	115/1	YES	YES	YES	33	OSA DAMPER	PROVIDE WITH GREENHECK MODEL ESD-435 LOUVER	
EF-2	GREENHECK	SE1-14-440-VG	SHOP	675	0.28	1036	6.7	1/2	115/1	YES	YES	YES	33	OSA DAMPER	PROVIDE WITH GREENHECK MODEL ESD-435 LOUVER, PROVIDE WITH REVERSED ACTING T'STAT	
EF-3	GREENHECK	SE1-14-440-VG	SHOP	675	0.28	1036	6.7	1/2	115/1	YES	YES	YES	33	OSA DAMPER	PROVIDE WITH GREENHECK MODEL ESD-435 LOUVER	
EF-4	GREENHECK	SE1-14-440-VG	SHOP	675	0.28	1036	6.7	1/2	115/1	YES	YES	YES	33	OSA DAMPER	PROVIDE WITH GREENHECK MODEL ESD-435 LOUVER, PROVIDE WITH REVERSED ACTING T'STAT	
EF-5	GREENHECK	CSP-A200	1ST FLOOR ELECTRICAL ROOM	150	0.5	825	1.1	125 W	115/1	YES	YES		23		PROVIDE WITH REVERSED ACTING T'STAT	
EF-6	FANTECH	FG4XL	BC1-1	100	0.5	2733		74 W	120/1	YES	YES		6			
EF-7	GREENHECK	SP-LP0511-1	ELEVATOR CONTROL ROOM	50	0.5	685	2.5	12 W	115/1	YES	NO		8		24 HRS CONTINUOUS OPERATION	
EF-8	GREENHECK	SP-LP0511-1	MDF ROOM	100	0.5	939	3	22W	115/1	YES	NO		8		24 HRS CONTINUOUS OPERATION	

DUST COLLECTOR SCHEDULE															NOTES	
UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	ESTIMATE CFM	ESP	FAN	RPM	HP	FLA	MCA	MOP	SHAKER MOTOR HP	VOLT/PH	WEIGHT (POUNDS)		
DC-1	STERNVENT	DKPD 54050-2	WOOD SHOP	5435	11	TEFC	3450	20	52	89.65	160	1/2	208/3	3000		

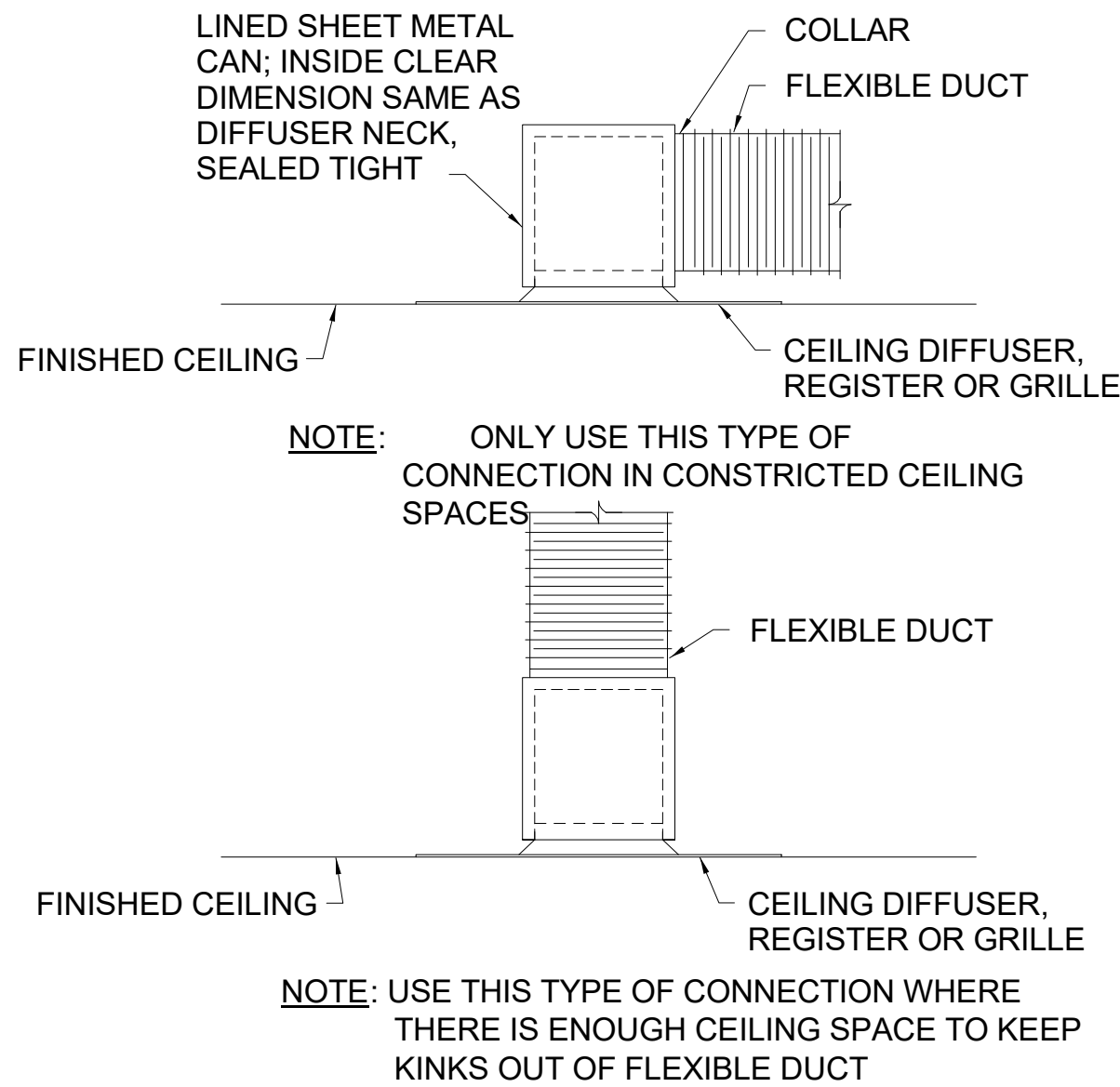
ROOF HOOD SCHEDULE										
UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	CFM	HOOD INFORMATION			WEIGHT (POUNDS)	NOTES	
					THROAT (WxL IN)	CURB CAP DIMENSION (WxLxH IN)	HOOD DIMENSION (ROUND IN)			
RH-1	GREENHECK	GRSR-15	ERV2-1	595	15x15	22x22x15	29	32		
RH-2	GREENHECK	GRSI-15	ERV2-1	595	15x15	22x22x15	29	32		
RH-3	GREENHECK	GRSR-8	ERV2-2	240	8x8	19x19x8	20.5	23		
RH-4	GREENHECK	GRSI-8	ERV2-2	240	8x8	19x19x8	20.5	23		

AIR COMPRESSOR SCHEDULE													
UNIT NO.	MANUFACTURER	MODEL	LOCATION	TANK SIZE/ CONFIGURATION	CAPACITY (CFM) @ 175 PSD	MAX PRESSURE (PSIG)	VOLT/PH	HP	DIMENSIONS (LxWxH in)	TANK OUTLET (IN)	STARTUP KIT	OPERATING WEIGHT (LBS)	NOTES
COMP-1	INGERSOLL RAND	2545E10-V	SHOP	120 GAL. HORIZONTAL	35	175	208/3	10	83x36x65	0.75	32305898	1104	

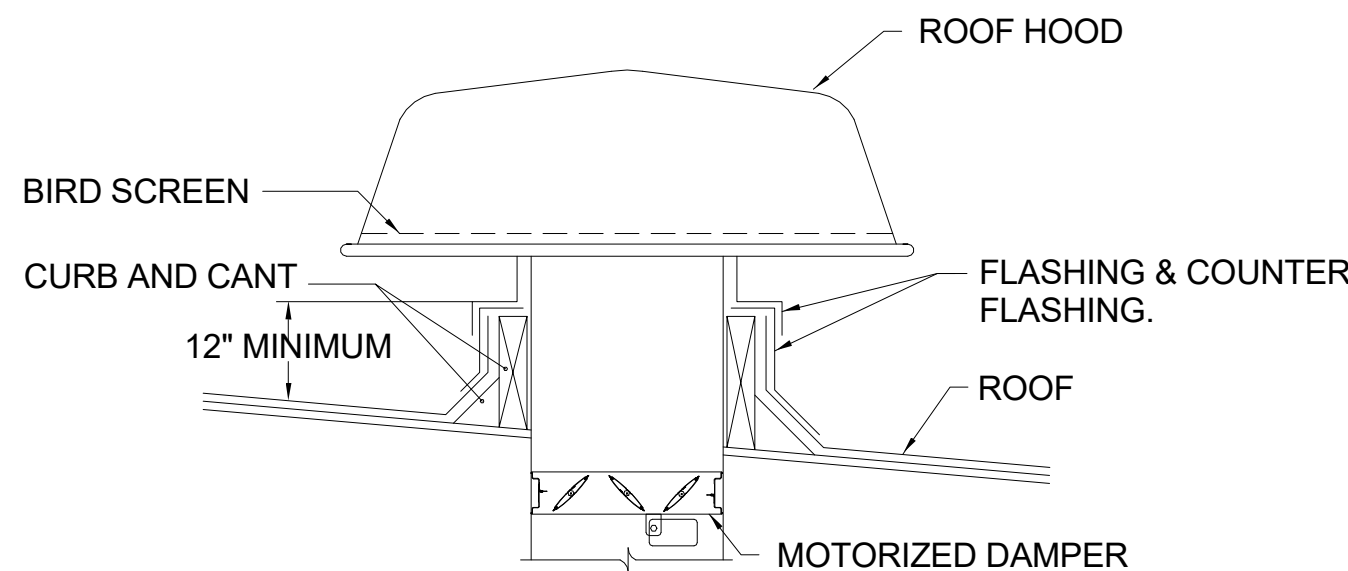
REFRIGERATED COMPRESSED AIR DRYER SCHEDULE													
UNIT NO.	MANUFACTURER	MODEL	LOCATION	FLOW RATE		IN/OUT AIR CONNECT SIZE	OPERATING KW	REFRIGERANT CLASSIFICATION	VOLT/PH	DIMENSIONS (LxWxH in)	NET WEIGHT (LBS)	NOTES	
				CUBIC METER/HR	SCFM								
AD-1	INGERSOLL RAND	D59EC	SHOP	59	35	1/2 FTP	0.53	A1	115/1	19.69x15.19x26.05	140		



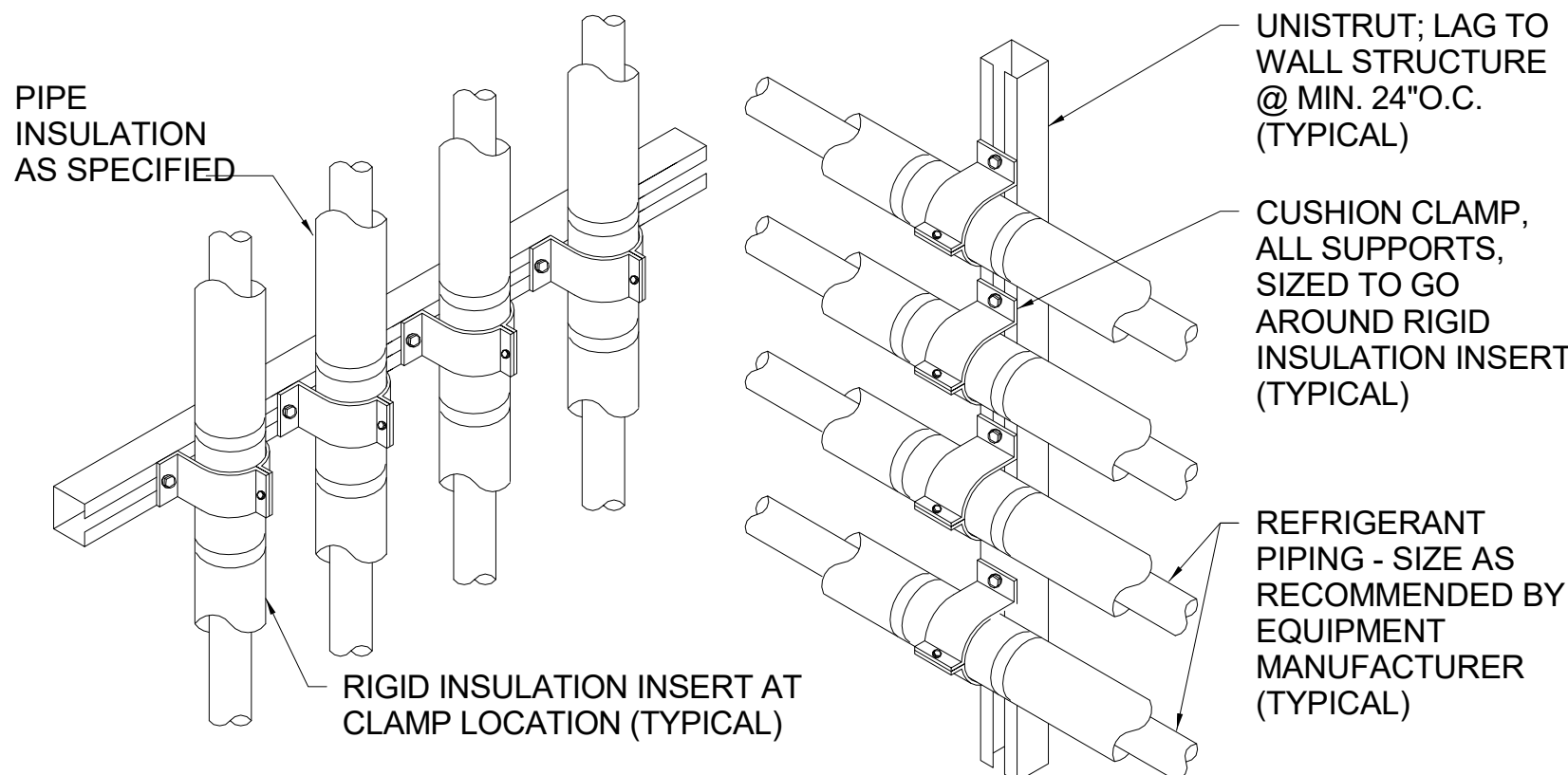
1 WEATHERPROOF LOUVER INSTALLATION DETAIL
M0.06 Scale: NTS



4 SUPPLY RETURN AIR CAN CONNECTION DETAIL
M0.06 Scale: NTS

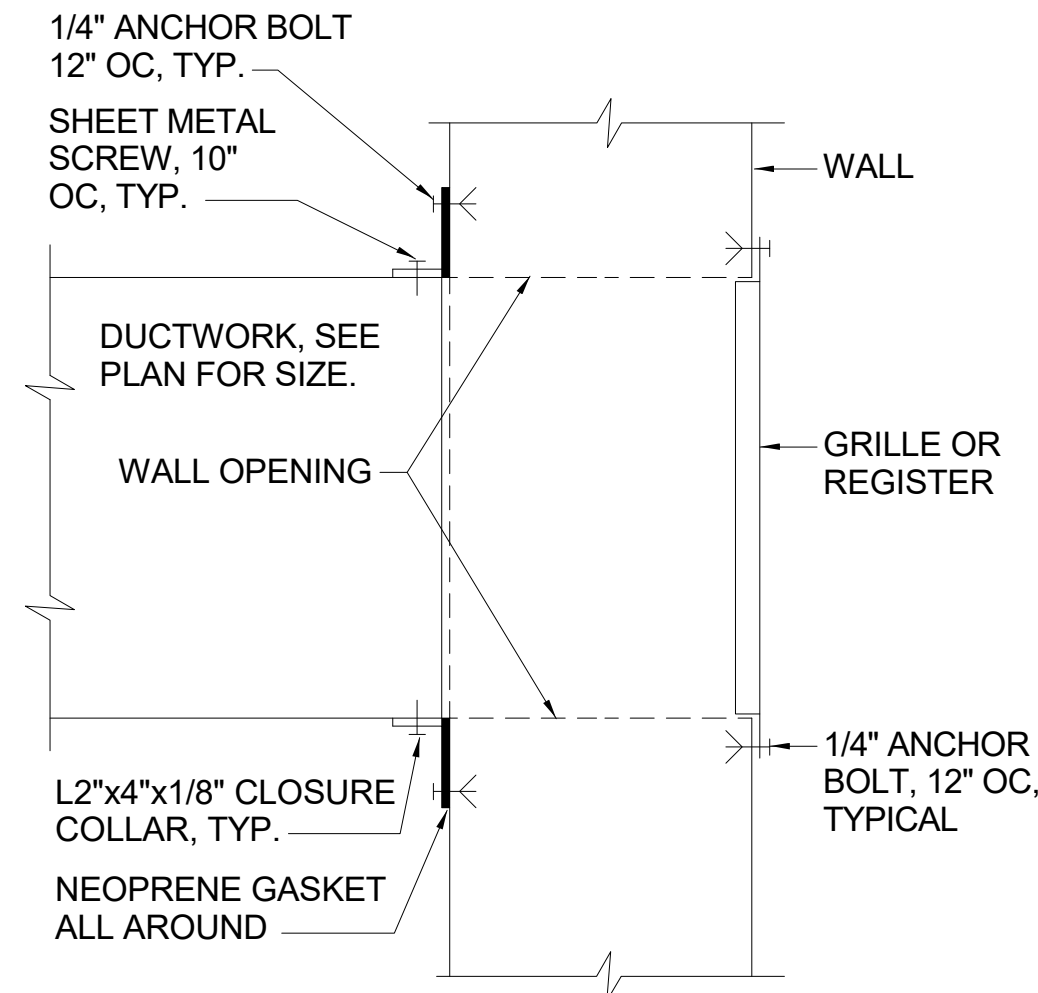


7 ROOF HOOD DETAIL
M0.06 Scale: NTS

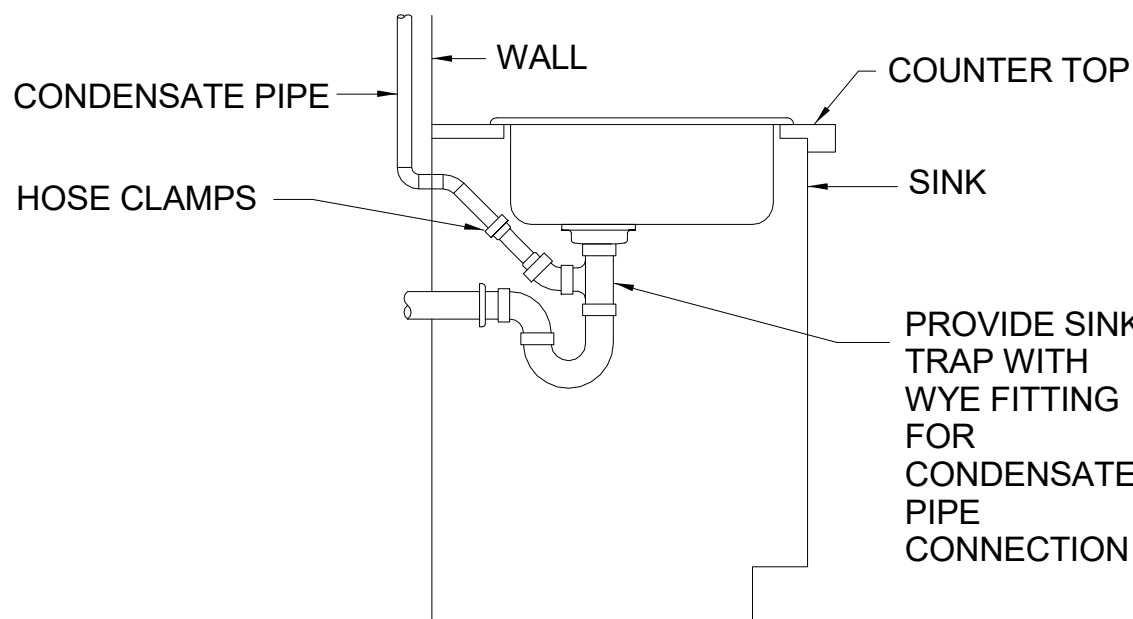


- NOTES:
1. PROVIDE PIPING SUPPORT AS SHOWN AT ALLOWABLE SPACING PER CODE.
 2. COVER ENTIRE LENGTH OF EXPOSED PIPING ON EXTERIOR WALL W/ COVERING PER SPECIFICATION.

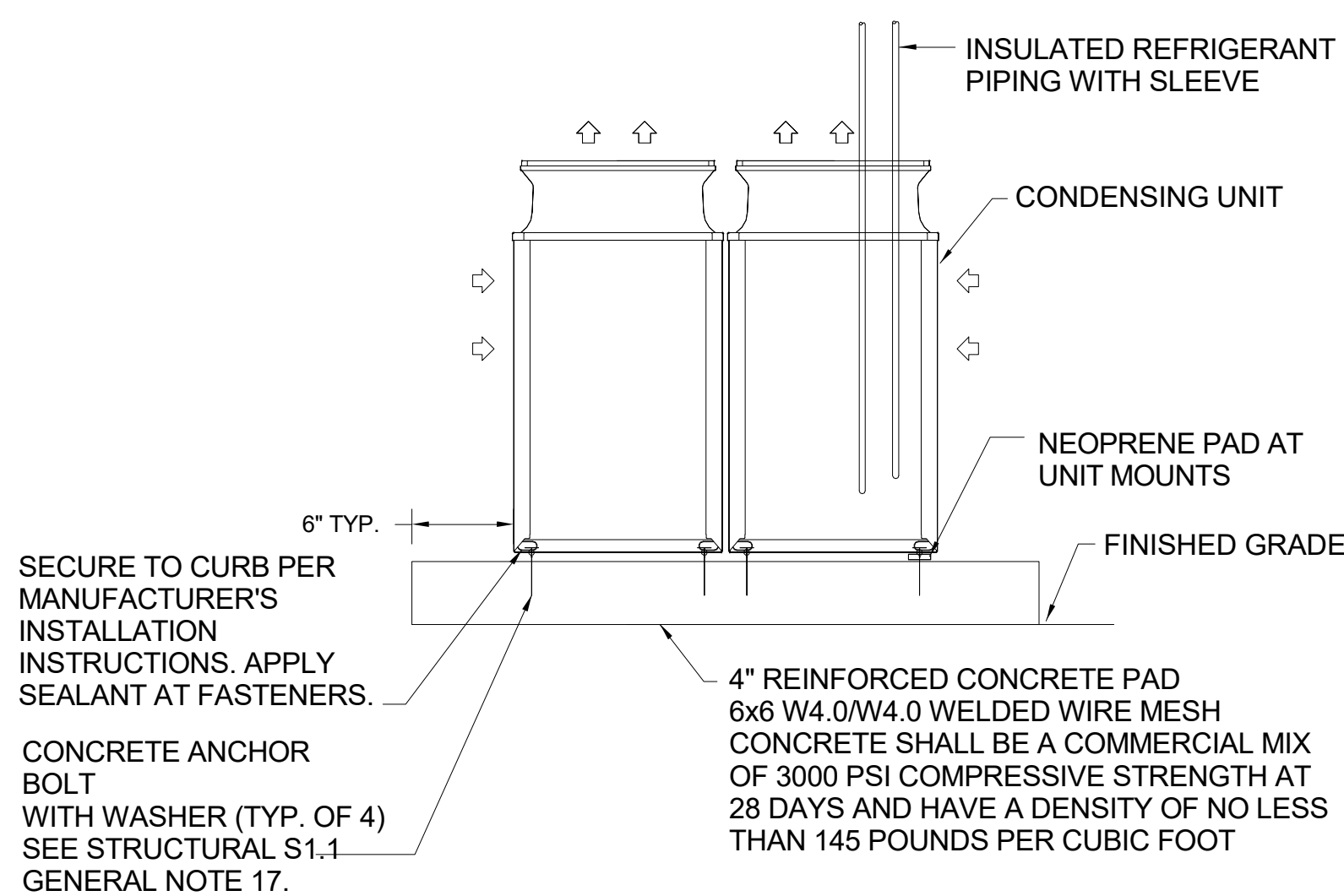
2 REFRIGERANT PIPING RACKING ON BUILDING EXTERIOR DETAIL
M0.06 Scale: NTS



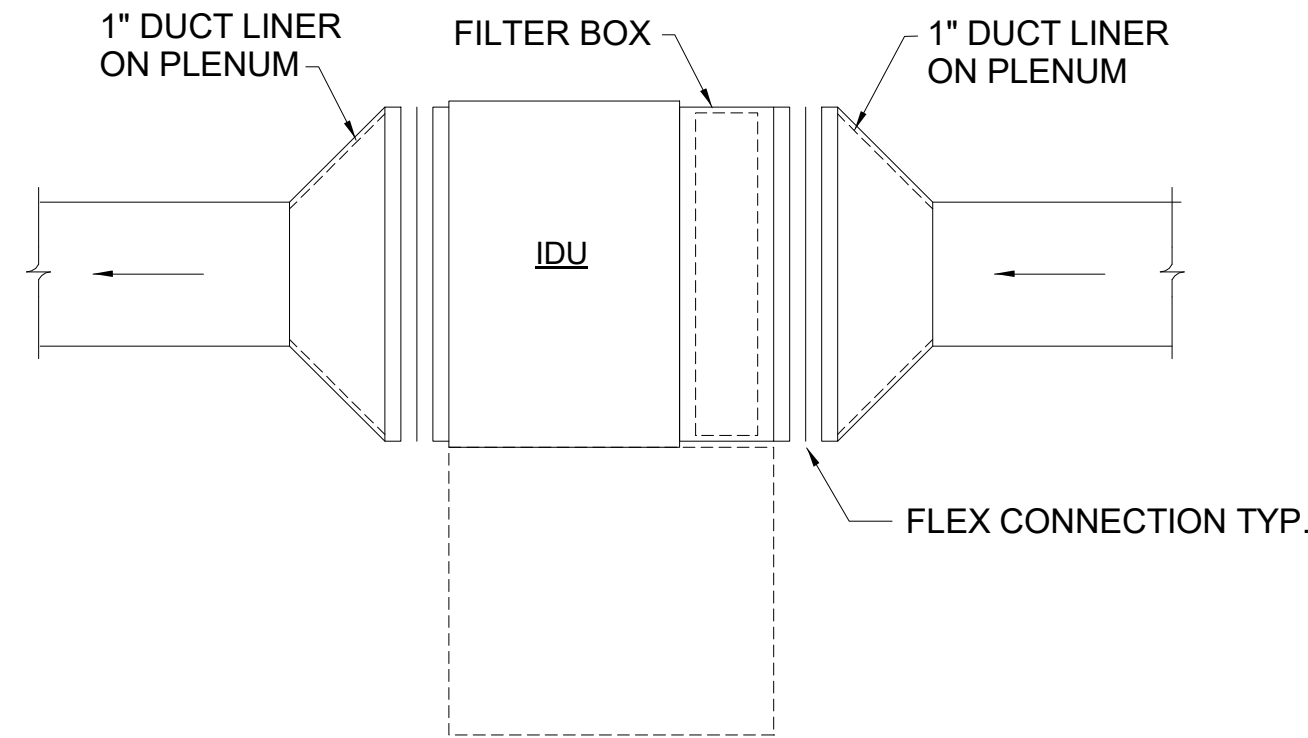
5 WALL MOUNTED GRILL AND REGISTER DETAIL
M0.06 Scale: NTS



8 CONDENSATE PIPE DRAINING DETAIL
M0.06 NOT TO SCALE

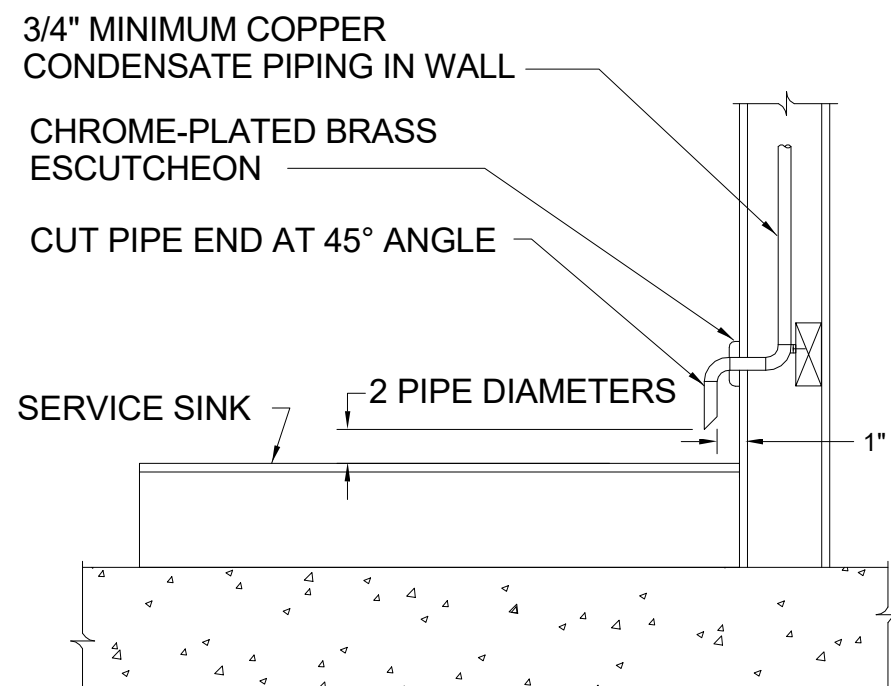


3 OUTDOOR UNIT MOUNTING DETAIL
M0.06 Scale: NTS



6 INDOOR UNIT DUCT LINER DETAIL
M0.06 Scale: NTS

NOTE:
EXPOSED PORTION OF PIPING SHALL BE COPPER.

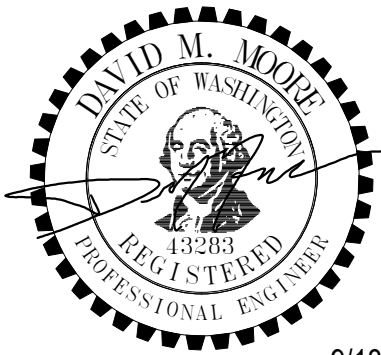


9 CONDENSATE DRAIN DISCHARGE TO SERVICE SINK DETAIL
M0.06 NOT TO SCALE

PLAN NOTES:

- 1 AIRIUS FAN CONTROLLER, MOUNT 5'-0" AFF.
- 2 WALL CAP. GREENHECK MODEL WC-8.
- 3 WALL CAP. GREENHECK MODEL WC-4.

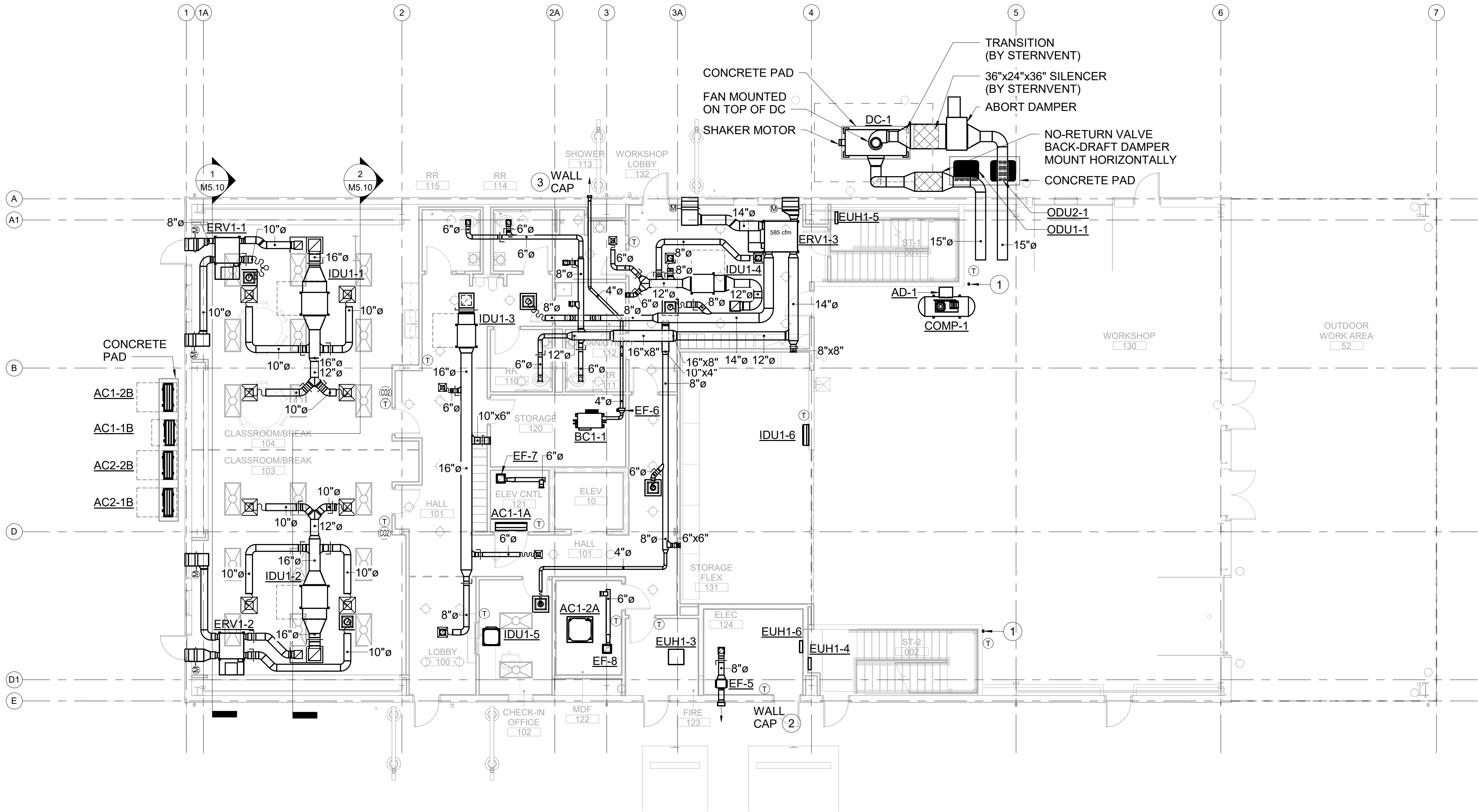
NISQUALLY VOCATIONAL CENTER DESIGN DEVEL.
ADDRESS TBD
11940 BILLY FRANK JR BLVD SE, OLYMPIA, WA 98513



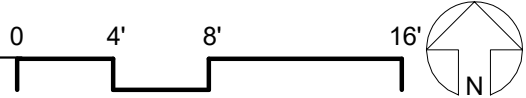
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ISSUE LIST

FIRST FLOOR
HVAC PLAN
M3.10

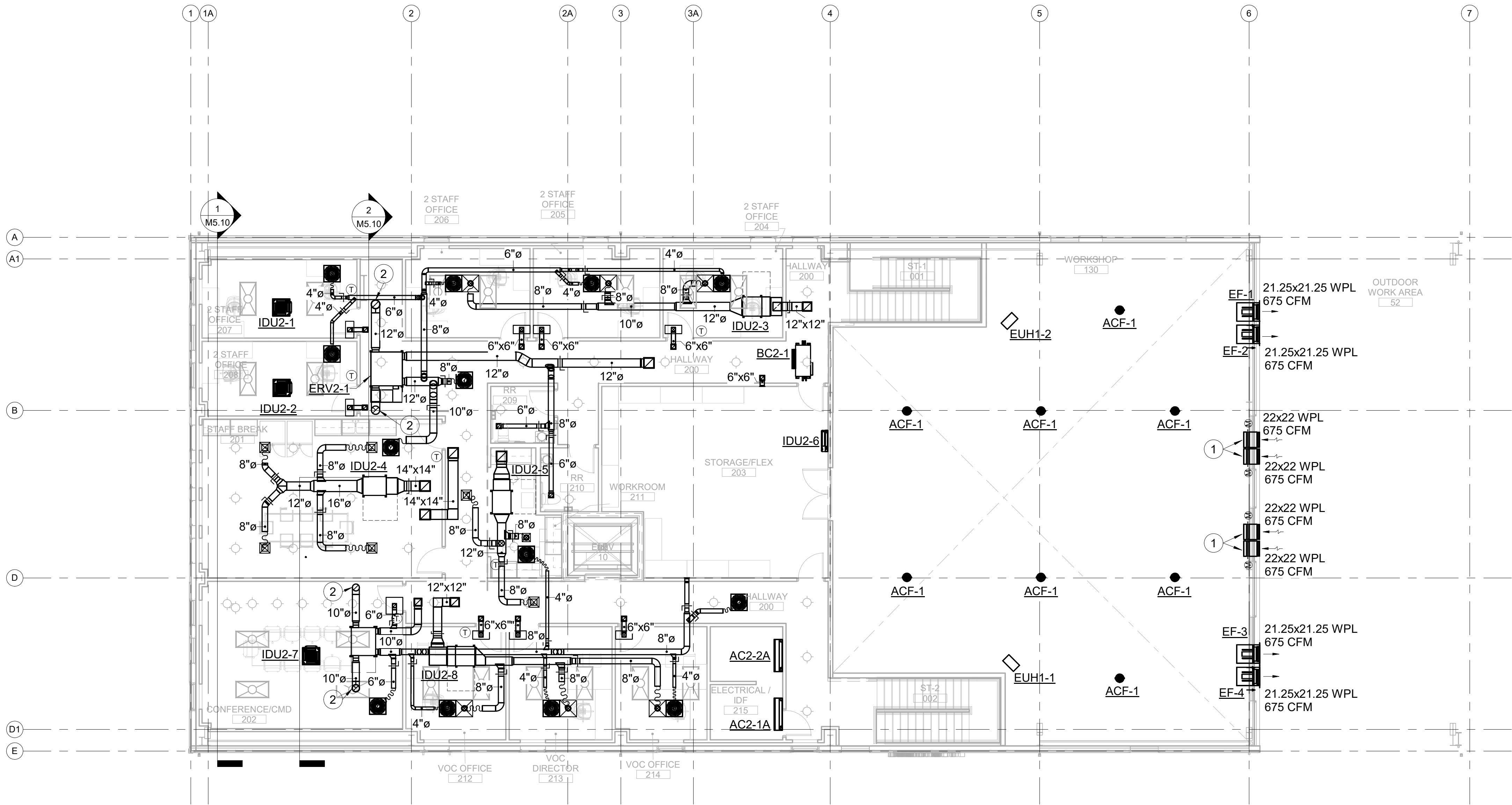


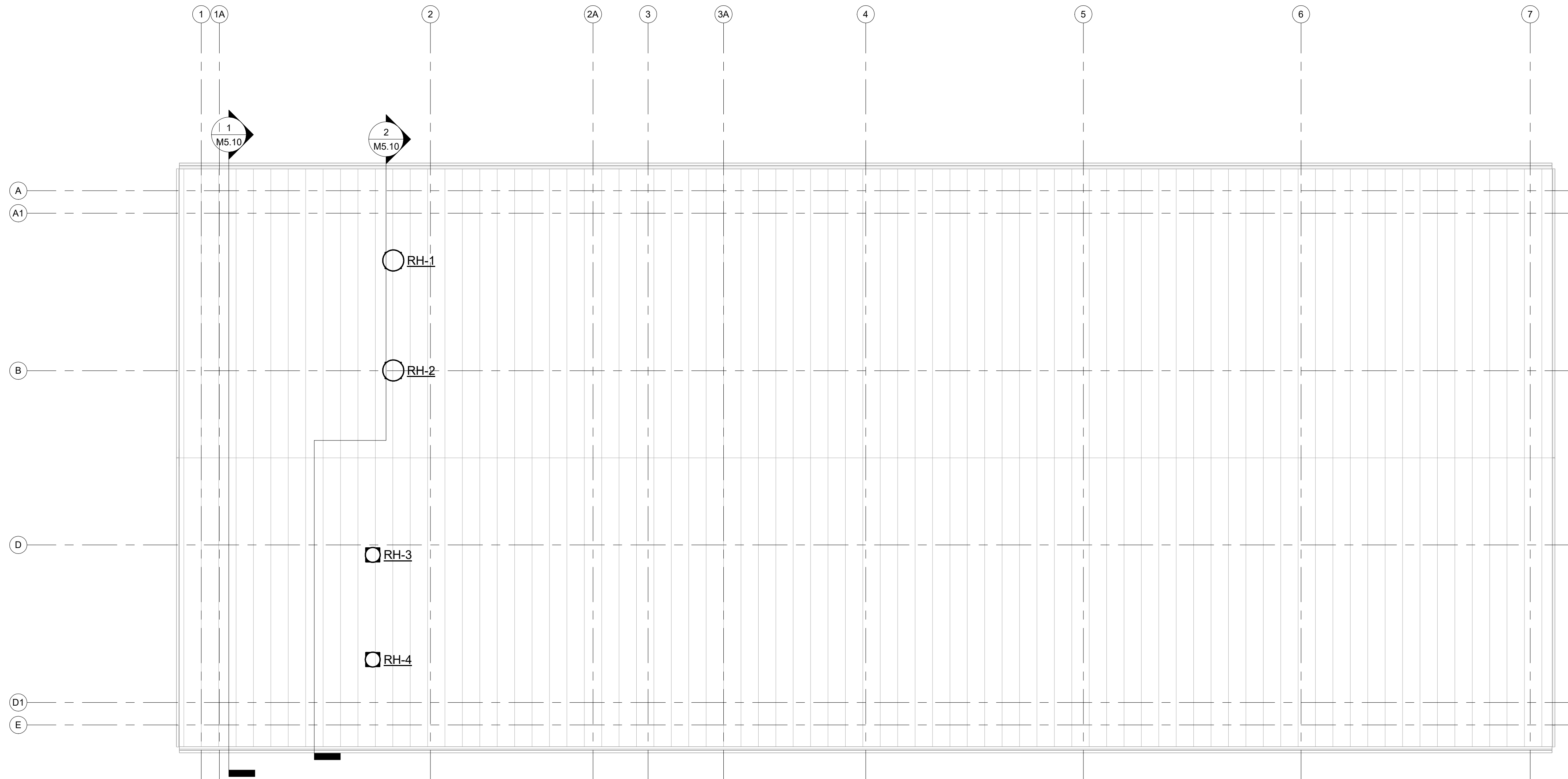
1 FIRST FLOOR HVAC PLAN
M3.10 Scale: 1/8" = 1'-0"



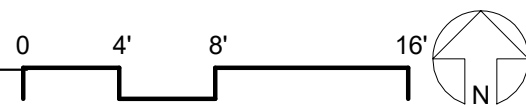
PLAN NOTES:

- 1 PROVIDE SCREEN AT END OF OPENING.
- 2 DUCT UP TO ROOF HOOD. PROVIDE MOTORIZED DAMPER ON DUCT RISE.





1 ROOF PLAN
M3.21 Scale: 1/8" = 1'-0"



NISQUALLY VOCATIONAL CENTER DESIGN DEL.
ADDRESS TBD
11940 BILLY FRANK JR BLVD SE, OLYMPIA, WA 98513



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ISSUE LIST

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NISQUALLY VOCATIONAL CENTER DESIGN LEVEL.

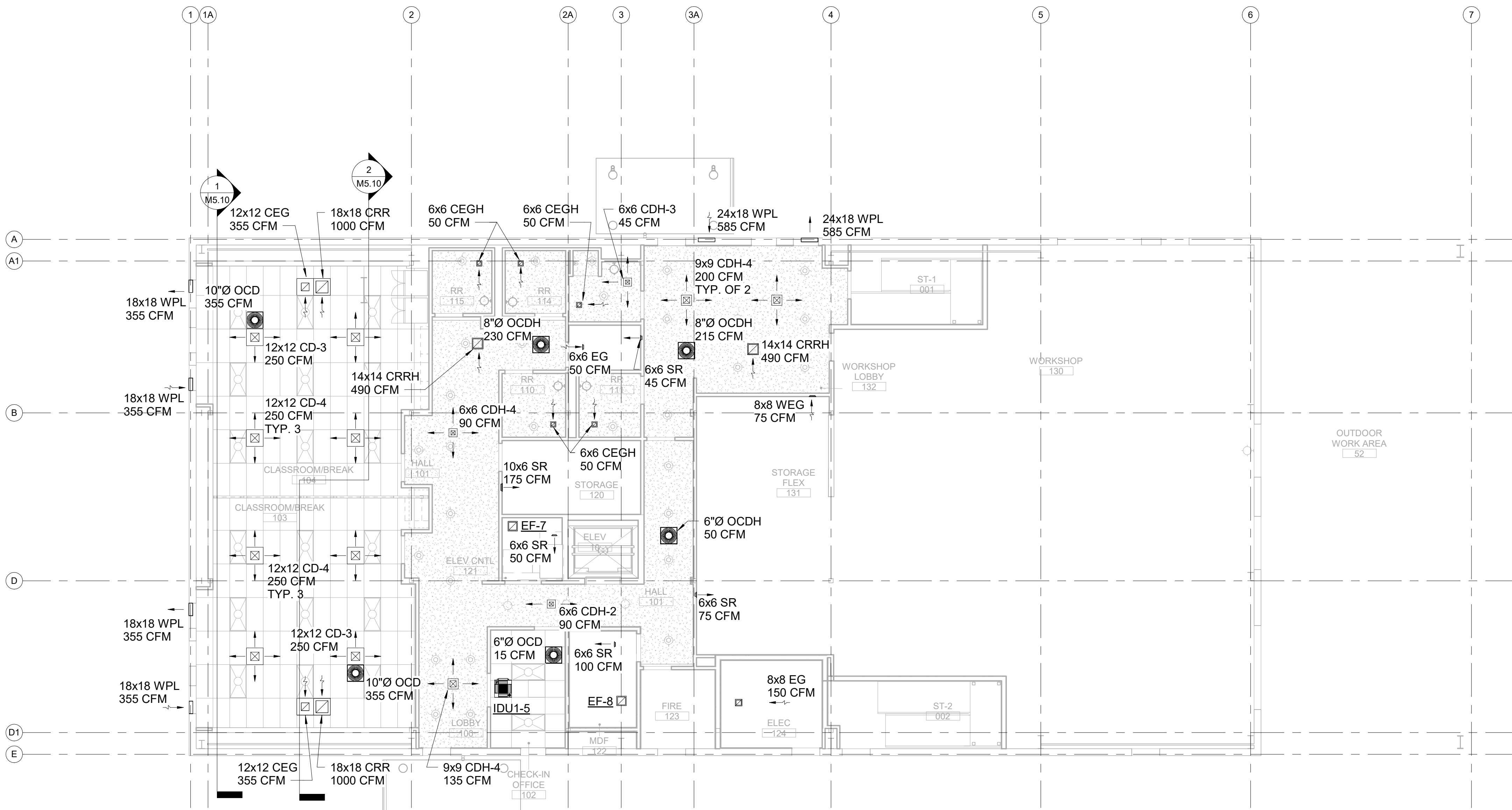
ADDRESS TBD
11940 BILLY FRANK JR BLVD SE, OLYMPIA, WA 98513



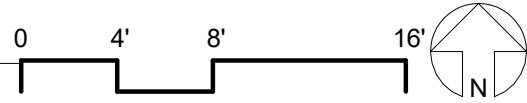
9/18/26

ISSUE LIST

FIRST FLOOR
REFLECTED
CEILING PLAN
M4.10



FIRST FLOOR REFLECTED CEILING
PLAN
1/8" = 1'-0"

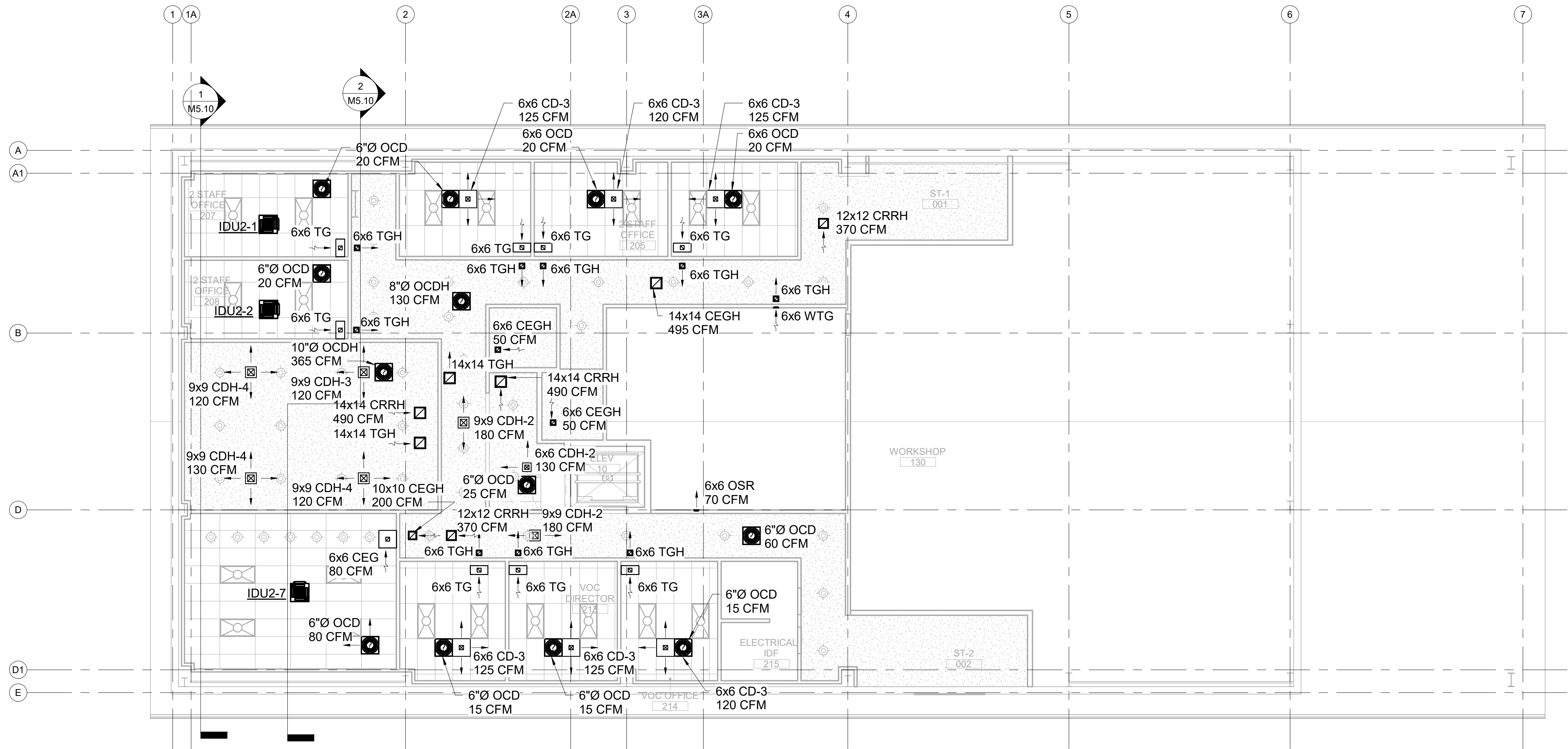


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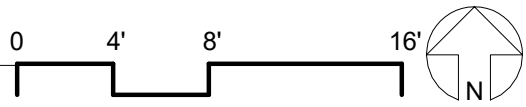


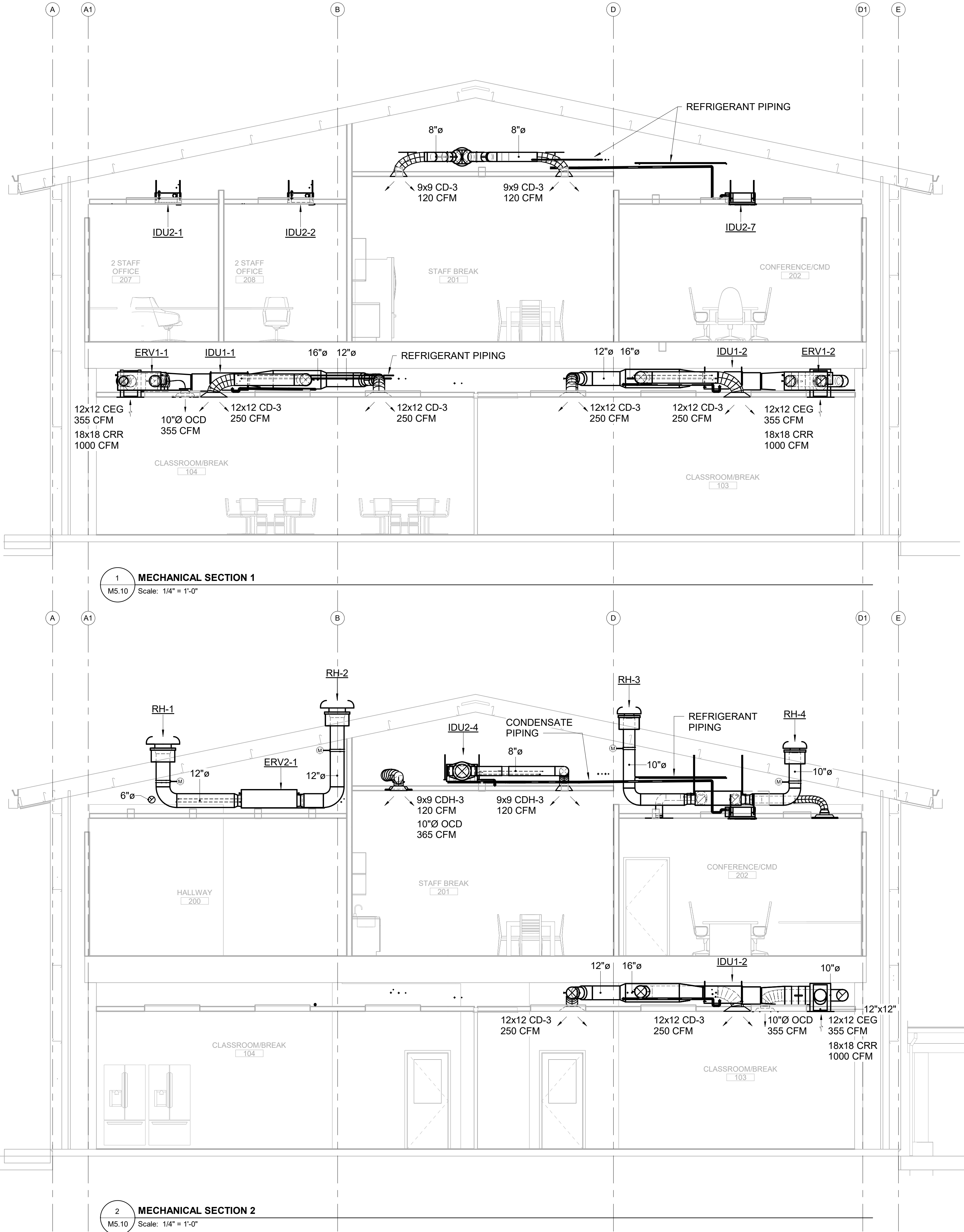
9/18/26

ISSUE LIST



SECOND FLOOR REFLECTED CEILING
PLAN
1/8" = 1'-0"





1
M5.10
MECHANICAL SECTION 1
Scale: 1/4" = 1'-0"

2
M5.10
MECHANICAL SECTION 2
Scale: 1/4" = 1'-0"

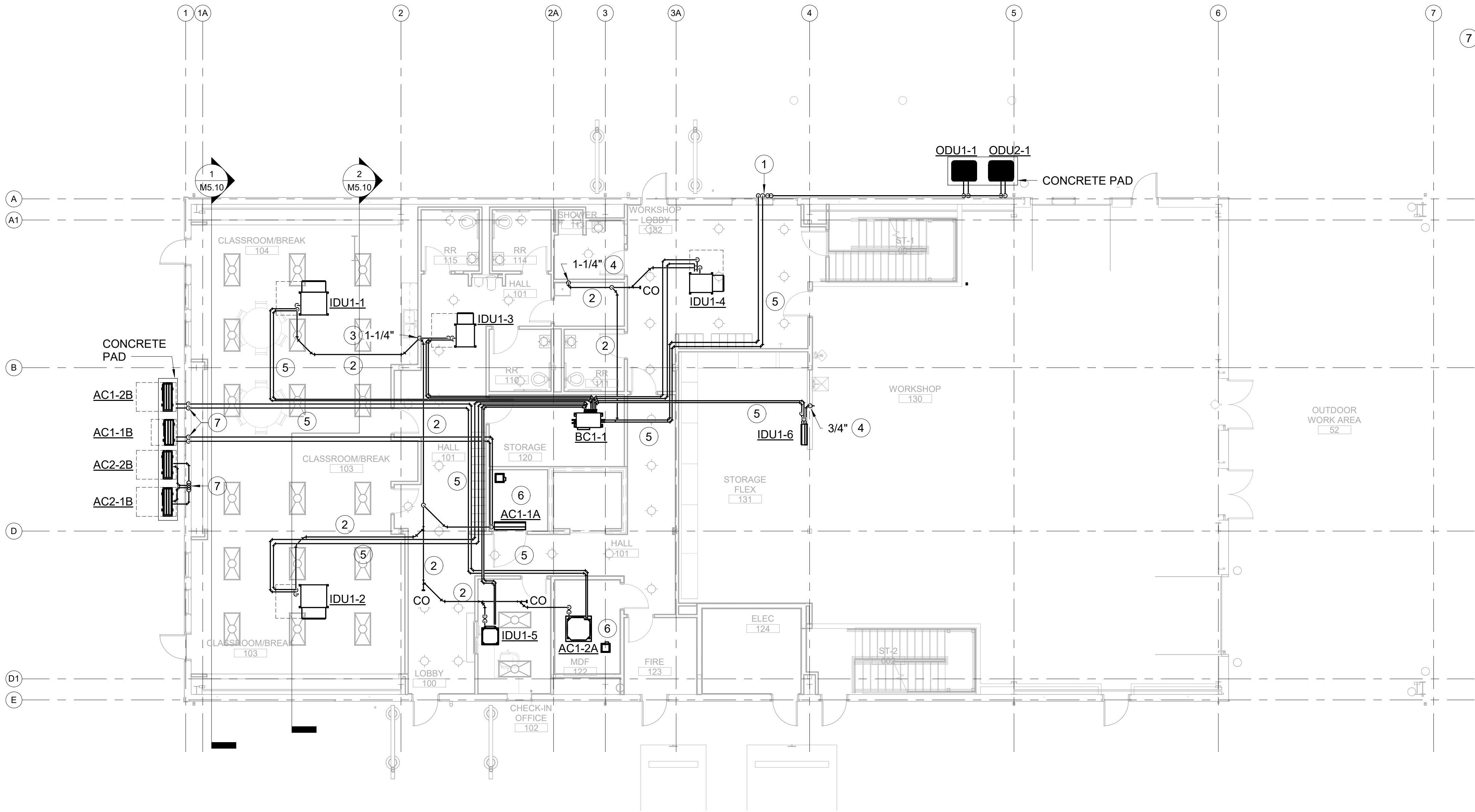


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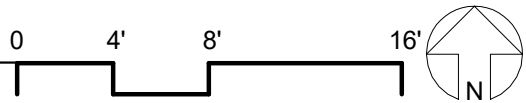
ISSUE LIST

PLAN NOTES:

- 1 REFRIGERANT PIPING UP ALONG WALL. SEE SHEET M6.11 FOR CONTINUATION, SEE SCHEDULE FOR PIPE SIZE.
- 2 ROUTE CONDENSATE PIPE WITH 1/8"/FT SLOPE TOWARD DRAIN.
- 3 CONDENSATE PIPE DN. TO CONNECT TO TAIL PIECE OF SINK.
- 4 CONDENSATE PIPE DN. TO SERVICE SINK.
- 5 REFRIGERANT PIPING SHOW SPREAD OUT FOR CLARITY. SEE SCHEDULE FOR PIPE SIZE.
- 6 PROVIDE IU CIRCULATION MITIGATION VALVES ON REFRIGERANT GAS AND LIQUID PIPES 1'-0" AWAY FROM UNIT.
- 7 REFRIGERANT PIPING UP ALONG IN WALL CAVITY. SEE SHEET M6.11 FOR CONTINUATION, SEE SCHEDULE FOR PIPE SIZE.

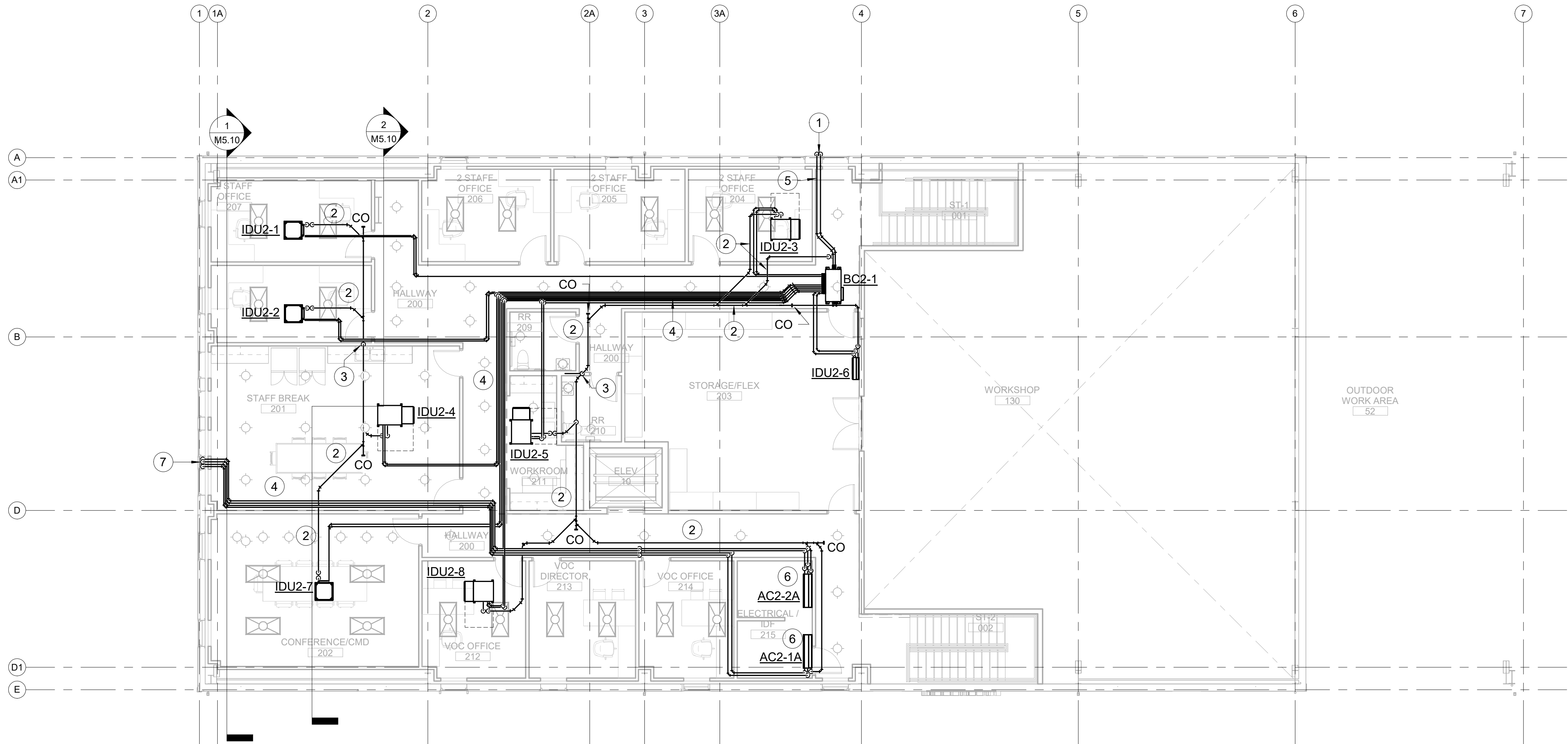


1 FIRST FLOOR HVAC PIPING PLAN
M6.10 Scale: 1/8" = 1'-0"



PLAN NOTES:

- 1 REFRIGERANT PIPING DN. ALONG WALL TO OUTDOOR UNIT. SEE SHEET M6.10 FOR CONTINUATION, SEE SCHEDULE FOR PIPE SIZE.
- 2 ROUTE CONDENSATE PIPE WITH 1/8"/FT SLOPE TOWARD DRAIN.
- 3 CONDENSATE PIPE DN. TO CONNECT TO TAIL PIECE OF SINK.
- 4 REFRIGERANT PIPING SHOW SPREAD OUT FOR CLARITY. SEE SCHEDULE FOR PIPE SIZE.
- 5 ROUTE PIPE TO FOLLOW ROOF SLOPE.
- 6 PROVIDE IU CIRCULATION MITIGATION VALVES ON REFRIGERANT GAS AND LIQUID PIPES 1'-0" AWAY FROM UNIT.
- 7 REFRIGERANT PIPING DN. ALONG IN WALL CAVITY TO OUTDOOR UNIT. SEE SHEET M6.10 FOR CONTINUATION, SEE SCHEDULE FOR PIPE SIZE.



1 SECOND FLOOR HVAC PIPING PLAN
M6.11 Scale: 1/8" = 1'-0"

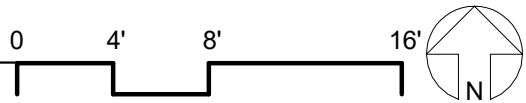


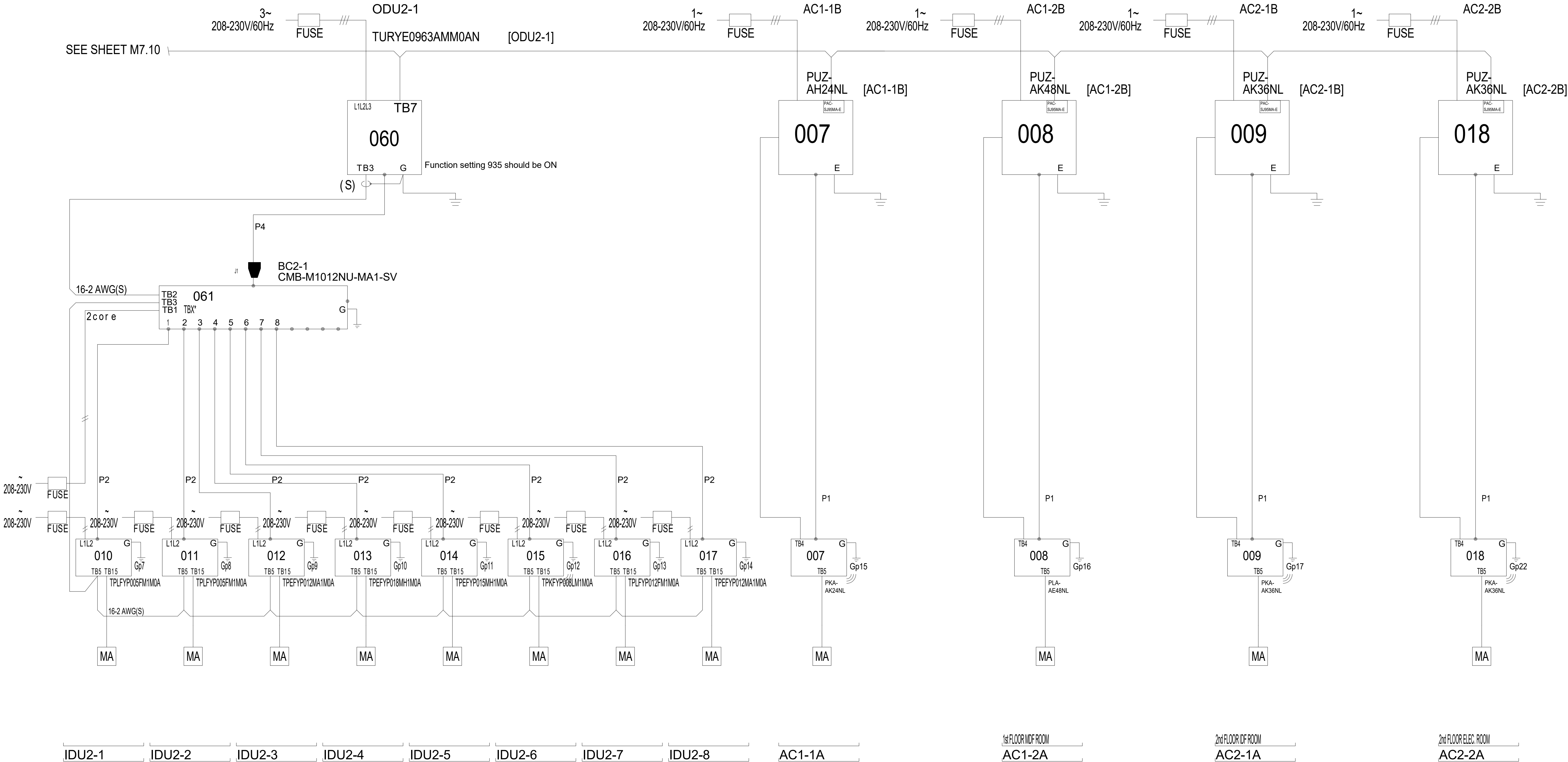
DIAGRAM SYMBOL	LEGEND
---	DESCRIPTION
---	POWER WIRE
---	CONTROL WIRE
---	REF. PIPE

PIPING AND CONTROLS
SYMBOL BRANCH PIPE MODEL NAME
J1 CMY-R304S-G1
SYMBOL LIQUID PIPE/GAS PIPE SIZE
P1 3/8 / 5/8
P2 1/4 / 1/2
P3 3/4 / 1-1/8
P4 3/4 / 7/8
SYMBOL MODEL NUMBER
MA TAR-43MAAUB
MA TAR-42MAAUB
LR TZ-62DR-EA
NOTES
* For refrigerant mitigation: see manual for details
- Factory installed controllers are not drawn.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record

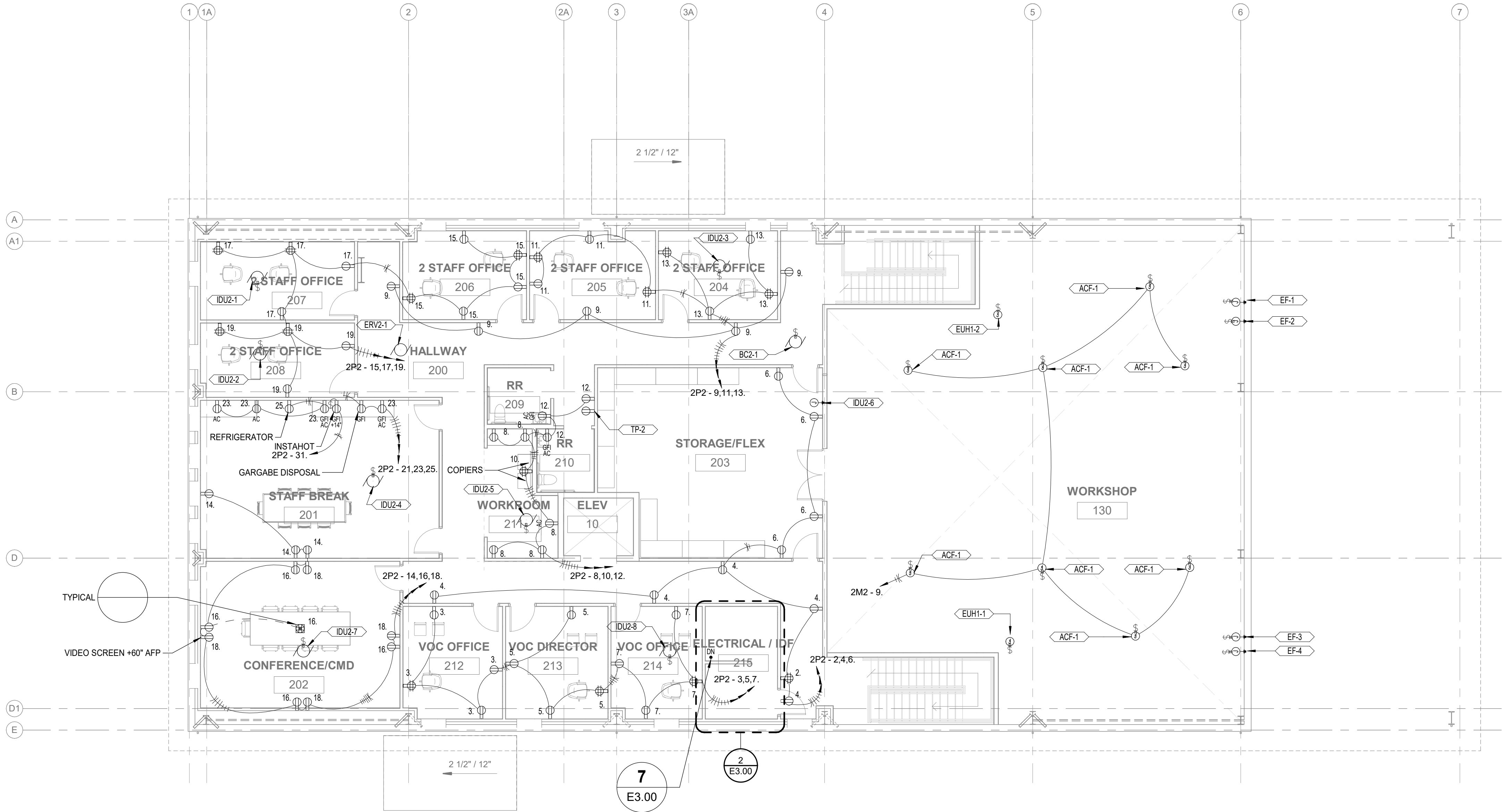
Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm^2 (16 AWG) : 1.25mm^2 (16 AWG) or more. 0.75mm^2 (20 AWG) : between 0.5mm^2 (24 AWG) and 0.75mm^2 (20 AWG). ^{2}



GENERAL NOTES:

- A. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND COMPONENT OPERATION REQUIREMENTS.
- B. REFER TO ARCHITECTURAL FOR LOCATIONS OF ALL ELECTRICAL, TELECOM AND LIGHTING FIXTURES. FINAL ARRANGEMENT IS TO BE COORDINATED VIA ROOM MOCK UP WITH DIRECTION BY ARCHITECT AND OWNERS REPRESENTATIVE.
- C. FOR ALL UNDERGROUND CONDUIT AND HANDHOLES, MAINTAIN A MINIMUM OF 1.5' OF SEPARATION FROM ALL GAS AND TELECOMMUNICATION LINES AND A MINIMUM OF 5' OF SEPARATION FROM ALL WATER, SEWER, AND STORM LINES. SEE CIVIL DRAWINGS.
- D. COMPLY WITH ALL ABOVE GROUND AND UNDERGROUND CLEARANCE REQUIREMENTS PER THE LATEST PSE ESR PRIOR TO TRENCHING. CONTRACTOR SHALL CONTACT UTILITY COMPANIES AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENTS OR REWORK OF ANY DAMAGED UTILITIES AND GROUNDING SYSTEMS.
- E. ALL CONDUIT SHALL BE A MINIMUM OF 5' FROM BASE OF TREE. COORDINATE FINAL CONDUIT PLACEMENT WITH LANDSCAPE CONSULTANT. ROOT BARRIERS SHALL BE PROVIDED AS DEEMED NECESSARY BY THE LANDSCAPE CONSULTANT.
- F. REFER TO LANDSCAPE, CIVIL, AND STRUCTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- G. ALL TRENCHING, VAULT EXCAVATION, SHORING, DEWATERING, BACKFILL, GRAVEL FOR VAULT BASES, AND RESTORATION SHALL BE PROVIDED BY THE CONTRACTOR.
- H. FIELD LOCATE UNDERGROUND PUBLIC AND OWNER UTILITIES OF ALL TRADES AND GROUNDING PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OR REWORK OF ANY DAMAGED UTILITIES AND GROUNDING SYSTEMS.
- I. BURIED CONDUIT COVER SHALL MEET OR EXCEED THE REQUIREMENTS OF NATIONAL ELECTRICAL CODE ARTICLE 300.5, TABLE 300.5(A), AND PSE STANDARDS.
- J. PROVIDE HANDHOLES FOR CONDUITS EXCEEDING 270" IN BENDS, SEE DETAIL 1/E-501.
- K. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ALL DEVICES NOT SHOWN CIRCUITED.



Switchboard: 2MDS									
Location: ELEC 124				Volts: 120/208 Wye				A.I.C. Rating: 65,000 AMPS SYMMETRICAL	
Supply From: UTILITY CT/PULL				Phases: 3				Available Fault Current:	
Mounting: SURFACE				Wires: 4				Mains Rating: 2000 A	
Enclosure: NEMA 1								MCB Rating: 2000 A	
Notes:									

Branch Panel: 2M1																			
Location: ELEC 124					Volts: 120/208 Wye					A.I.C. Rating: 42,000 AMPS SYMMETRICAL									
Supply From: 2MDS					Phases: 3					Available Fault Current:									
Mounting: SURFACE					Wires: 4					Mains Rating: 600 A									
Enclosure: NEMA 1										MCB Rating: 600 A									
CKT	Circuit Description				Trip	Poles	A		B		C		Poles	Trip	Circuit Description				CKT
1	ODU2-1				50 A	3	4803	6124					3	70 A	ODU1-1				2
3	--				--	--			4803	6124			--	--	--				4
5	--				--	--					4803	6124	--	--	--				6
7	ERV1-3				15 A	2	541	180					1	20 A	TP-1				8
9	--				--	--			541	180			1	20 A	TP-2				10
11	IDU1-6				15 A	2					25	364	2	15 A	IDU1-4				12
13	--				--	--	25	364					--	--	--				14
15	EF-5				15 A	1			180	480			1	20 A	SP-1				16
17	EF-6				15 A	1					77	37	2	15 A	IDU1-5				18
19	EF-7				15 A	1	22	37					--	--	--				20
21	EF-8				15 A	1			12	406			2	15 A	ERV1-1				22
23	IDU1-1				15 A	2					352	406	--	--	--				24
25	--				--	--	352	77					2	15 A	BC1-1				26
27	IDU1-2				15 A	2			352	77			--	--	--				28
29	--				--	--					352	406	2	15 A	ERV1-2				30
31	IDU1-3				15 A	2	364	406					--	--	--				32
33	--				--	--			364	530			1	15 A	AD-1				34
35	DC-1				120 A	3					10796				--				36
37	--				--	--	10796	2308					1	20 A	CP-1				38
39	--				--	--			10796	998			2	20 A	EUH1-4				40
41	AC1-1B				40 A	2					2288	998	--	--	--				42
43	--				--	--	2288	3952					2	70 A	AC1-2B				44
45	AC2-1B				60 A	2			3536	3952			--	--	--				46
47	--				--	--					3536	3536	2	60 A	AC2-2B				48
49	COMP-1				125 A	3	6233	3536					--	--	--				50
51	--				--	--			6233	6665			3	70 A	EUH1-2				52
53	--				--	--					6233	6665	--	--	--				54
55	EUH1-1				70 A	3	6665	6665					--	--	--				56
57	--				--	--			6665	998			2	30 A	EUH1-5				58
59	--				--	--					6665	998	--	--	--				60
61	EUH1-6				30 A	2	998	2000					2	30 A	EWH-1				62
63	--				--	--			998	2000			--	--	--				64
65	EUH1-3				25 A	2					998	0	1	20 A	Spare				66
67	--				--	--	998	0					1	20 A	Spare				68
69	SUMP PUMP				40 A	2			416	0			1	20 A	Spare				70
71	--				--	--					416				--				72
73	--				--	--									--				74
75	--				--	--									--				76
77	--				--	--									--				78
79	--				--	--									--				80
81	--				--	--			2554				3	100 A	2M2				82
83	--				--	--						1494	--	--	--				84
Total Load:							61672 VA		58860 VA		57569 VA								
Total...							517 A		502 A		480 A								
Load Classification				Connected Load				Demand Factor				Estimated Demand				Panel Totals			
Equipment				11011 VA				100.00%				11011 VA							
MTR				119762 VA				106.76%				127858 VA				Total Conn. Load: 179101 VA			
Motor				42193 VA				111.86%				47197 VA				Total Est. Demand: 192201 VA			
Other				5774 VA				100.00%				5774 VA				Total Conn. Current: 497 A			
RCPT				360 VA				100.00%				360 VA				Total Est. Demand Current: 533 A			
Notes:																			



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Branch Panel: 2M2																							
Location: ELECTRICAL / IDF 215						Volts: 120/208 Wye						A.I.C. Rating: 42,000 AMPS SYMMETRICAL											
Supply From: 2M1						Phases: 3						Available Fault Current:											
Mounting: SURFACE						Wires: 4						Mains Rating: 100 A											
Enclosure: NEMA 1												MCB Rating: 100 A											
CKT	Circuit Description					Trip	Poles	A		B		C		Poles	Trip	Circuit Description					CKT		
1	EF-1						15 A	1	180	37					2	15 A	IDU2-1						2
3	EF-2						15 A	1			180	37			--	--						4	
5	EF-3						15 A	1					180	37	2	15 A	IDU2-2						6
7	EF-4						15 A	1	180	37					--	--						8	
9	ACF-1						20 A	1			1440	198			2	15 A	IDU2-3						10
11	ERV2-1						15 A	2					541	198	--	--						12	
13	--						--	--	541	364					2	15 A	IDU2-4						14
15	BC2-1						15 A	2			114	364			--	--						16	
17	--						--	--					114	364	2	15 A	IDU2-5						18
19	IDU2-8						15 A	2	198	364					--	--						20	
21	--						--	--			198	25			2	15 A	IDU2-6						22
23	IDU2-7						15 A	2					37	25	--	--						24	
25	--						--	--	37	0					1	20 A	Spare						26
27	Spare						20 A	1			0	0			1	20 A	Spare						28
29	Spare						20 A	1					0	0	1	20 A	Spare						30
31																						32	
33																						34	
35																						36	
37																						38	
39																						40	
41																						42	
Total Load:						1939 VA				2554 VA				1494 VA									
Total...						17 A				22 A				12 A									
Load Classification						Connected Load				Demand Factor				Estimated Demand				Panel Totals					
MTR						2001 VA				109.10%				2183 VA				Total Conn. Load: 5986 VA Total Est. Demand: 6218 VA					
Motor						2205 VA				102.26%				2255 VA									
Other						1780 VA				100.00%				1780 VA				Total Conn. Current: 17 A					
																		Total Est. Demand Current: 17 A					
Notes:																							

Branch Panel: 2T1																	
Location: MDF 122						Volts: 120/208 Wye						A.I.C. Rating: 42,000 AMPS SYMMETRICAL					
Supply From: 2MDS						Phases: 3						Available Fault Current:					
Mounting: SURFACE						Wires: 4						Mains Rating: 100 A					
Enclosure: NEMA 1												MCB Rating: 100 A					
CKT	Circuit Description					Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	MDF RM					20 A	1	1080	1440					1	20 A	IDF RM	2
3	IT RACK					30 A	1			1920	1920			1	30 A	IT RACK IDF	4
5	IT RACK					30 A	1					1920	1920	1	30 A	IT RACK IDF	6
7																	8
9																	10
11																	12
						Total Load:		2520 VA		3840 VA		3840 VA					
						Total...		21 A		34 A		34 A					
Load Classification						Connected Load		Demand Factor		Estimated Demand		Panel Totals					
COMP						7680 VA		50.07%		3845 VA							
RCPT						2520 VA		100.00%		2520 VA		Total Conn. Load: 10200 VA					
												Total Est. Demand: 6365 VA					
												Total Conn. Current: 28 A					
												Total Est. Demand Current: 18 A					
Notes:																	

Branch Panel: 2P2													
Location: ELECTRICAL / IDF 215						Volts: 120/208 Wye				A.I.C. Rating: 42,000 AMPS SYMMETRICAL			
Supply From: 2P1						Phases: 3				Available Fault Current:			
Mounting: SURFACE						Wires: 4				Mains Rating: 225 A			
Enclosure: NEMA 1										MCB Rating:			
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ELEC.RM	20 A	1	360	360					1	20 A	IDF	2
3	VOC OFFICE	20 A	1			878	900			1	20 A	HALL	4
5	VOC DIRECTOR	20 A	1					878	720	1	20 A	STORAGE/FLEX	6
7	VOC OFFICE	20 A	1	720	900					1	20 A	WORK ROOM	8
9	HALLWAY	20 A	1			900	180			1	20 A	COPIER	10
11	STAFF OFFICE	20 A	1					1056	540	1	20 A	RESTROOMS	12
13	STAFF OFFICE	20 A	1	1056	540					1	20 A	STAFF BREAK	14
15	STAFF OFFICE	20 A	1			1229	1120			1	20 A	CONFERENCE	16
17	STAFF OFFICE	20 A	1					1056	720	1	20 A	CONFERENCE	18
19	STAFF OFFICE	20 A	1	1056	0					1	20 A	Spare	20
21	GARBAGE DISPOSAL	20 A	1			180	0			1	20 A	Spare	22
23	STAFF BREAK	20 A	1					720	0	1	20 A	Spare	24
25	REFRIGERATOR	20 A	1	180	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	INSTAHOT	20 A	1	1296	180					1	20 A	(F)DISHWASHER	32
33													34
35													36
37													38
39													40
41													42
Total Load:				6527 VA		5342 VA		5635 VA					
Total...				55 A		45 A		47 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
RCPT		17476 VA		78.61%		13738 VA							
								Total Conn. Load: 17476 VA					
								Total Est. Demand: 13738 VA					
								Total Conn. Current: 49 A					
								Total Est. Demand Current: 38 A					
Notes:													



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MECHANICAL EQUIPMENT										
NO.	DESCRIPTION	PANEL	CIRCUIT NUMBER	LOAD	VOLT	PHASE	CONDUIT & WIRE SIZE	STRATER BY	DISC. BY	NOTES
				W						
AC1-1B	AIR CONDITIONER UNIT	2M1	41,43	4576 W	208 V	1	(1")3#8, 1#10G	DIV. 23	DIV. 26	
AC1-2B	AIR CONDITIONER UNIT	2M1	44,46	7904 W	208 V	1	(1-1/4") 3#4, 1#10G	DIV. 23	DIV. 26	
AC2-1B	AIR CONDITIONER UNIT	2M1	45,47	7072 W	208 V	1	(1") 3#6, 1#10G	DIV. 23	DIV. 26	
AC2-2B	AIR CONDITIONER UNIT	2M1	48,50	7072 W	208 V	1	(1") 3#6, 1#10G	DIV. 23	DIV. 26	
EF-6	AIR CONDITIONER UNIT	2M1	17	77 W	120 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
EF-8	AIR CONDITIONER UNIT	2M1	21	12 W	120 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU1-1	AIR CONDITIONER UNIT	2M1	23,25	703 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU1-2	AIR CONDITIONER UNIT	2M1	27,29	703 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU1-3	AIR CONDITIONER UNIT	2M1	31,33	728 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU1-4	AIR CONDITIONER UNIT	2M1	12,14	728 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU1-5	AIR CONDITIONER UNIT	2M1	18,20	75 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU1-6	AIR CONDITIONER UNIT	2M1	11,13	50 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-1	AIR CONDITIONER UNIT	2M2	2,4	75 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-2	AIR CONDITIONER UNIT	2M2	6,8	75 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-3	AIR CONDITIONER UNIT	2M2	10,12	395 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-4	AIR CONDITIONER UNIT	2M2	14,16	728 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-5	AIR CONDITIONER UNIT	2M2	18,20	728 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-6	AIR CONDITIONER UNIT	2M2	22,24	50 W	208 V	1	(3/4")2#12, 1#12G		DIV. 26	
IDU2-7	AIR CONDITIONER UNIT	2M2	23,25	75 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
IDU2-8	AIR CONDITIONER UNIT	2M2	19,21	395 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
ODU1-1	AIR CONDITIONER UNIT	2M1	2,4,6	18373 W	208 V	3	(1 1/2")4#4, 1#8G	DIV. 23	DIV. 26	
ODU2-1	AIR CONDITIONER UNIT	2M1	1,3,5	14410 W	208 V	3	(1 1/2")4#4, 1#8G	DIV. 23	DIV. 26	
COMP-1	COMPRESSOR	2M1	49,51,53	18699 W	208 V	1	(1 1/2")4#3, 1#8G	DIV. 23	DIV. 26	
CP-1	CONTROL PUMP	2M1	38	2308 W	120 V	1	(1")2#10, 1#12G	DIV. 23	DIV. 26	
DC-1	DUST COLLECTOR	2M1	35,37,39	32387 W	208 V	3	(3/4") 2#8, 1#10G	DIV. 23	DIV. 26	
EUH1-1	ELECTRIC UNIT HEATER	2M1	55,57,59	20000 W	208 V	3	(1 1/2")4#4, 1#8G			
EUH1-2	ELECTRIC UNIT HEATER	2M1	52,54,56	20000 W	208 V	3	(1 1/2")4#4, 1#8G			
EUH1-5	ELECTRIC UNIT HEATER	2M1	58,60	2000 W	208 V	1	(1")3#8, 1#10G			
EUH1-6	ELECTRIC UNIT HEATER	2M1	61,63	2000 W	208 V	1	(1")3#8, 1#10G			
EWH-1	ELECTRIC WATER HEATER	2M1	62,64	4000 W	208 V	1	(1")3#8, 1#10G	DIV. 23		
ERV1-1	ENERGY RECOVERY VENTELATOR	2M1	22,24	811 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
ERV1-2	ENERGY RECOVERY VENTELATOR	2M1	30,32	811 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
ERV1-3	ENERGY RECOVERY VENTELATOR	2M1	7,9	1082 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
ERV2-1	ENERGY RECOVERY VENTELATOR	2M2	11,13	1082 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23		
EF-1	EXHAUST FAN	2M2	1	100 W	120 V	1	(3/4")2#12, 1#12G			
EF-2	EXHAUST FAN	2M2	3	100 W	120 V	1	(3/4")2#12, 1#12G			
EF-3	EXHAUST FAN	2M2	5	85 W	120 V	1	(3/4")2#12, 1#12G			
EF-4	EXHAUST FAN	2M2	7	85 W	120 V	1	(3/4")2#12, 1#12G			
EF-5	EXHAUST FAN	2M1	15	125 W	120 V	1	(3/4")2#12, 1#12G			
BC1-1	HEAT RECOVERY CONTROLLERS	2M1	26,28	154 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
BC2-1	HEAT RECOVERY CONTROLLERS	2M2	15,17	229 W	208 V	1	(3/4")3#12, 1#12G	DIV. 23	DIV. 26	
AD-1	REFRIGERATED COMPRESSED AIR	2M1	34	530 W	120 V	1	(3/4")2#12, 1#12G	DIV. 23	DIV. 26	
EF-7	SUMP PUMP	2M1	19	22 W	120 V	1	(3/4")2#12, 1#12G	DIV. 23	DIV. 26	
SP-1	SUMP PUMP	2M1	16	480 W	120 V	1	(3/4")2#12, 1#12G	DIV. 23	DIV. 26	
TP-1	TRAP PRIMER	2M1	8	180 W	120 V	1	(3/4")2#12, 1#12G	DIV. 23	DIV. 26	
TP-2	TRAP PRIMER	2M1	10	180 W	120 V	1	(3/4")2#12, 1#12G	DIV. 23	DIV. 26	

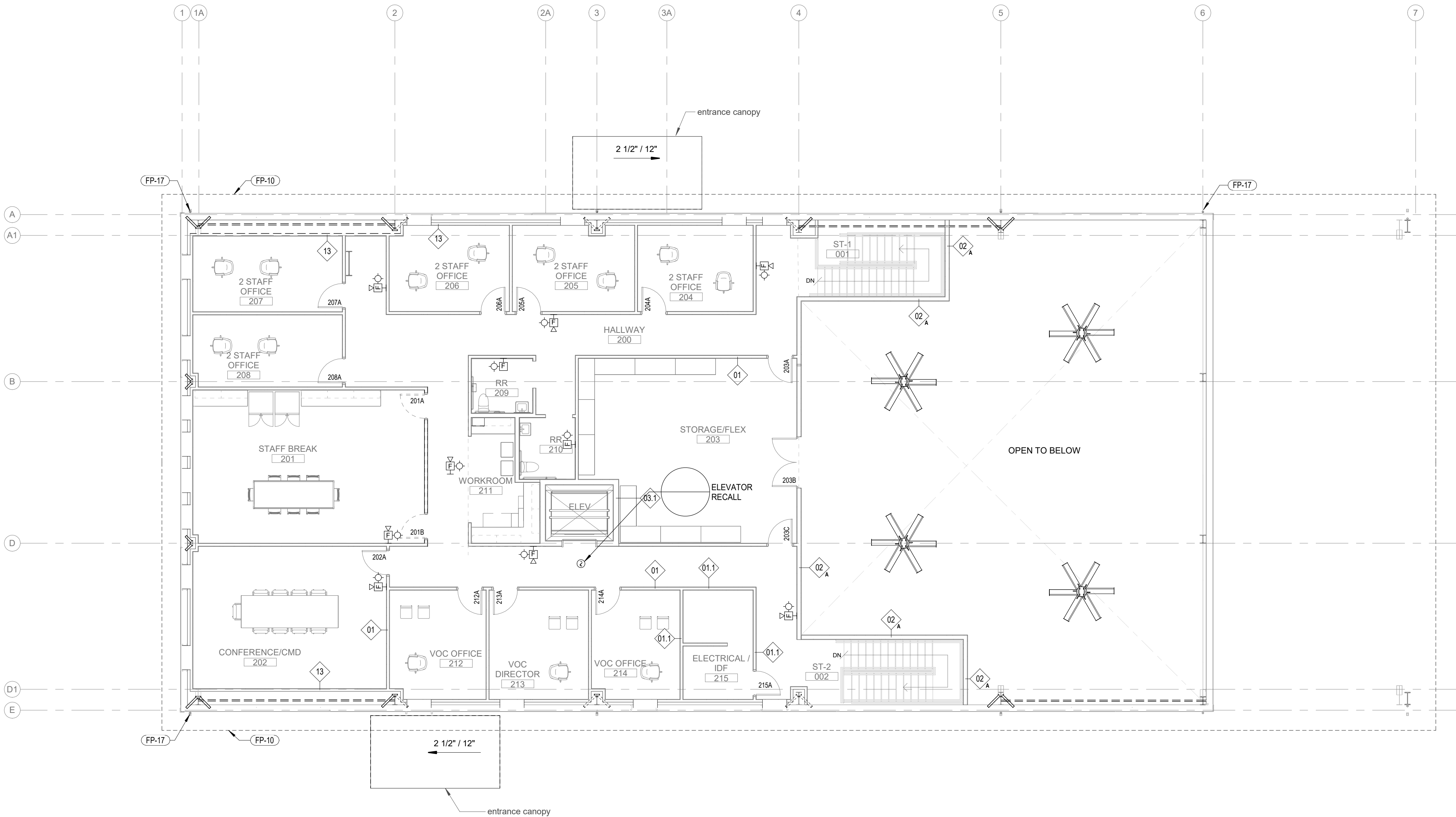
GENERAL NOTES:

- A. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND COMPONENT OPERATION REQUIREMENTS.
- B. REFER TO ARCHITECTURAL FOR LOCATIONS OF ALL ELECTRICAL, TELECOM AND LIGHTING FIXTURES, FINAL ARRANGEMENT IS TO BE COORDINATED VIA ROOM MOCK UP WITH DIRECTION BY ARCHITECT AND OWNERS REPRESENTATIVE.



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LUMINAIRE SCHEDULE											
TYPE MARK	LOCATION	DESCRIPTION	MANUFACTURER	MODEL	CCT/CRI	DELIVERED LUMENS	WATTAGE	VOLTAGE	DIMMING	FINISH	NOTES
C01-EM	STAIRS	CEILING SURFACE MOUNTED 4' INDUSTRIAL STRIP LIGHT FIXTURE WITH ROUND DIFFUSED LENS.	LITHONIA	CLX SERIES	3500K, 80CRI	10000 lm	64 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
P01	EXTERIOR SITE	POLE MOUNTED DOUBLE HEAD FIXTURE. PROVIDE WITH 20" ROUND TAPERED POLE. FROSTED GASKETED TEMPERED GLASS LENS. TYPE III DISTRIBUTION. IP65 RATED FOR WET LOCATIONS.	LITHONIA	VEKTER 5 - UVK 10011 SERIES	3500K, 80CRI	5073 lm	37 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
P01A	EXTERIOR SITE	SIMILAR TO P01 EXCEPT WITH TYPE V OPTICS.	LITHONIA	VEKTER 5 - UVK 10011 SERIES	3500K, 80CRI	5073 lm	37 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
R01	VARIES	RECESSED 4" APERTURE LED DOWNLIGHT	GOTHAM	EVO SERIES	3500K, 80CRI	1500 lm	15 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
R01-EM	VARIES	SIMILAR TO R01 EXCEPT ON EMERGENCY CIRCUIT.	GOTHAM	EVO SERIES	3500K, 80CRI	1500 lm	15 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
R01A	SHOWER	SIMILAR TO R01 EXCEPT WITH NON-CONDUCTIVE TRIM FOR USE IN SHOWERS.	GOTHAM	EVO SERIES	3500K, 80CRI	1500 lm	15 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
R02	CLASS/BREAK RM	RECESSED 4INCH APERTURE LED WALLWASHER.	GOTHAM	EVO SERIES	3500K, 80CRI	1500 lm	15 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
R03	ENCLOSED OFFICES	2X4 RECESSED LENSED TROFFER FLUSH DIFFUSED LENS FIXTURE. STAINLESS STEEL HOUSING AND ONE PEICE STAINLESS STEEL SWING DOOR. FLUSH DIFFUSED ACRYLIC LENS TUNABLE WHITE DIMMING DRIVER.	LITHONIA	BLT SERIES	3500K, 80CRI	4800 lm	45 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
R03-EM	ENCLOSED OFFICES	SIMILAR TO R03 EXCEPT ON EMERGENCY CIRCUIT.	LITHONIA	BLT SERIES	3500K, 80CRI	4800 lm	45 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
S01	BOH	SUSPENDED OR SURFACE MOUNTED 4' INDUSTRIAL STRIP LIGHT FIXTURE WITH FLUSH DIFFUSED LENS.	LITHONIA	CLX SERIES	3500K, 80CRI	5000 lm	36 W	120 V	NON DIM	STANDARD, TBD	
S02	WORKSHOP	SUSPENDED ROUND DIAMETER HIGH BAY FIXTURE. PROVIDE WITH PRISMATIC REFLECTOR	LITHONIA	COMPACT PRO SERIES		18000 lm	132 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
S02-EM	WORKSHOP	SIMILAR TO S02 EXCEPT ON EMERGENCY CIRCUIT.	LITHONIA	COMPACT PRO SERIES		18000 lm	132 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
S02A	STORAGE	SIMILAR TO S02 EXCEPT LOWER OUTPUT	LITHONIA	COMPACT PRO SERIES		12000 lm	83 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
S02A-EM	STORAGE	SIMILAR TO S02A EXCEPT ON EMERGENCY CIRCUIT.	LITHONIA	COMPACT PRO SERIES		12000 lm	83 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
S04	BOH	SUSPENDED 4' INDUSTRIAL STRIP LIGHT FIXTURE WITH ROUND DIFFUSED LENS.	LITHONIA	CLX SERIES	3500K, 80CRI	5000 lm	32 W	120 V	NON DIM	STANDARD, TBD	
U01	UNDERCABINET	2' LONG LED SURFACE MOUNTED UNDERCABINET TASKLIGHT. PROVIDE WITH HIGH IMPACT LENS AND ANTI-LIGATURE HOUSING.	JUNO	UPLD SERIES	3500K, 80CRI	1317 lm	11 W	120 V	NON DIM	STANDARD, TBD	
W01-EM	EXTERIOR EXITS	WALL SURFACE MOUNTED LED DOWNLIGHT CYLINDER. IP65 RATED FOR WET LOCATIONS. PROVIDE WITH FLOOD OPTICS. PROVIDE ON EMERGENCY CIRCUIT.	LANTERRA	9004 SERIES	3000K, +80CRI	886 lm	10 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
W02	HALLWAYS	18' LONG, WALL SURFACE MOUNTED LINEAR LED WALL GRAZING DIRECT FIXTURE.	FOCAL POINT	SEEM 4 SERIES	3500K, 80CRI	750 lm	8 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	WATTAGE AND LUMENS ARE PER FOOT.
W02A	CLASS/BREAK RM	SIMILAR TO W02 EXCEPT DIFFERENT LENGTH	FOCAL POINT	SEEM 4 SERIES	3500K, 80CRI	750 lm	8 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	WATTAGE AND LUMENS ARE PER FOOT.
W03	RESTROOMS	2' LONG, HORIZONTALLY WALL MOUNTED LINEAR VANITY LED FIXTURE.	KUZCO	JANE SERIES	3500K, 80CRI	2400 lm	31 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
W04-EM	STAIRS	WALL SURFACE MOUNTED 4' INDUSTRIAL STRIP LIGHT FIXTURE WITH ROUND DIFFUSED LENS. PROVIDE ON EMERGENCY CIRCUIT.	LITHONIA	CLX SERIES	3500K, 80CRI	10000 lm	64 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
W05	EXTERIOR BLDG. MTD.	SURFACE MOUNTED FULL CUTOFF LED WALL PACK FIXTURE. WET LISTED. FORWARD THROW OPTICS.	LITHONIA	WEDGE SERIES	3000K, +80CRI	1209 lm	10 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
W05-EM	EXTERIOR BLDG. MTD.	SIMILAR TO W05 EXCEPT ON EMERGENCY CIRCUIT.	LITHONIA	WEDGE SERIES	3000K, +80CRI	1209 lm	10 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	
W06	EXTERIOR SIGNAGE	WALL SURFACE MOUNTED 6' LONG LINEAR WALL GRAZER.	INSIGHT	ESX SERIES	3500K, 80CRI	764 lm	8 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	WATTAGE AND LUMENS ARE PER FOOT.
W06A	EXTERIOR SIGNAGE	SAME AS W06 EXCEPT 8FT LONG.	INSIGHT	ESX SERIES	3500K, 80CRI	764 lm	8 W	120 V	INTEGRAL 0-10V DIMMING TO 10%	STANDARD, TBD	WATTAGE AND LUMENS ARE PER FOOT.
X01	EGRESS PATH	CEILING MOUNTED EXIT SIGN	LITHONIA OR APPROVED EQUAL	QUANTUM LQM	N/A	100 lm	1 W	120 V	N/A	STANDARD, TBD	
X02	EGRESS PATH	WALL MOUNTED EXIT SIGN	LITHONIA OR APPROVED EQUAL	QUANTUM LQM	N/A	100 lm	1 W	120 V	N/A	STANDARD, TBD	
X03	EGRESS PATH	CEILING STEM MOUNTED EXIT SIGN	LITHONIA OR APPROVED EQUAL	QUANTUM LQM	N/A	100 lm	1 W	120 V	N/A	STANDARD, TBD	

GENERAL LUMINAIRE SCHEDULE NOTES:
A. THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE ELECTRICAL SPECIFICATIONS.
B. VERIFY LUMINAIRE VOLTAGE WITH BRANCH CIRCUIT SUPPLYING POWER TO LUMINAIRE PRIOR TO ORDERING.
C. ALL LUMINARIES TO BE REDUCTION OF HAZARDOUS SUBSTANCES (ROHS) COMPLIANT AND UL LISTED.
D. CONTRACTOR IS RESPONSIBLE TO VERIFY CEILING TYPE, THICKNESS AND PROVIDE REQUIRED MOUNTING HARDWARE FOR ALL FIXTURE TYPES.
E. CONTRACTOR TO VERIFY LUMINAIRE DRIVERS ARE COMPATIBLE WITH CONTROL SYSTEM BEFORE ORDERING.
F. CONTROLS SYSTEM & LIGHTING DESIGN SHALL BE 2021 WASHINGTON STATE ENERGY & WSEC-R 2021 CODE COMPLIANT.
G. COORDINATE PENDANT FIXTURES MOUNTING HEIGHTS WITH MEP AND ARCHITECTURAL SECTION DRAWINGS.

Lighting Control Sequence of Operations:										
Location	Local Control	Daylight Sensors	Photocell Sensors	Wireless Switch	Occupancy Sensor (50% Manual ON/Auto Full OFF)	Vacancy Sensor (OFF) Manual ON	Dimming	Color Tunable	Astronomical/ Time Clock	UL-924 Relay
Exterior (General): Single Photocell controls all light fixtures via building system to have auto on at dusk and timed off at midnight. Light fixture outputs shall be reduced by 50% after 11pm. Building mounted Luminaire on emergency power to come on at dusk and off between midnight-6:00AM. Each different type of fixture shall be separately controlled so that timing of general lighting and accent lighting can be customized. (Signage lights to be controlled photocell ON and timed clock OFF.) (All switches shall be labeled for the different area that it is controlling and lighting circuit identification number)			X				X		X	
Lobby/OpenOffice: Each different fixture type designation with separate zone. Emergency Lighting will be auto on/off per alarm status. Fixtures shall be controlled by a combination of timed clock. The timed clock for these spaces shall be set to turn the fixtures on during normal business hours, 6:00 AM to 6:00 PM Pacific Standard Time. Provide separate controls for up/downlight component if applicable. Daylight zones shown per plans.(All switches in multi purpose areas shall be labeled for the different area that it is controlling and lighting circuit identification number)	X	X				X	X		X	X
Meeting Rm: Fixtures shall be controlled by a wall mounted LCD controller. This controller shall provide zone dimming, on/off, and predefined, user selectable zone dimming configurations. Fixtures shall be automatically turned off vacancy sensors. Per the Oregon State Energy Code, daylighting sensors for continuous dimming control shall be required to be provided in the ceiling throughout spaces adjacent to windows. Daylight sensing per plans.(All switches in multi purpose areas shall be labeled for the different area that it is controlling and lighting circuit identification number)	X	X			X	X	X			X
Enclosed Office: Manual on, auto off. Daylight zones shown per plans. Vacancy sensor.	X				X		X		X	
Restroom: Auto on/off via dual occupancy sensors and vacancy sensors. Daylight controls if applicable.					X				X	X
BreakRm: Each different fixture type designation with separate zone.Emergency Lighting will be auto on/off per alarm status. Daylight zones shown per plans.(All switches in multi purpose areas shall be labeled for the different area that it is controlling)	X	X					X		X	X
Workshop: Fixtures shall be controlled by ceiling mounted or wall mounted occupancy sensors. Daylight zones shown per plans. (All switches in multi purpose areas shall be labeled for the different area that it is controlling and lighting circuit identification number)	X				X	X	X			X
Electrical/MDF Rm/DP Rm: For safety reasons, fixtures shall be controlled by wall mounted toggle switches only. Occupancy Sensors and Daylight controls not applicable.	X									X
Emergency Luminaires: Luminaires with designator 'EM' are powered from Life Safety panels and must be compatible with UL-listed lighting control system. 'EM' luminaires must be 'ON' during loss of normal power via UL-listed 924 relay for a complete and operable code-compliant emergency egress system.										X
Exit Signs: Exit signs are un switched circuit with integral battery backup and remain "ON" at all times.										



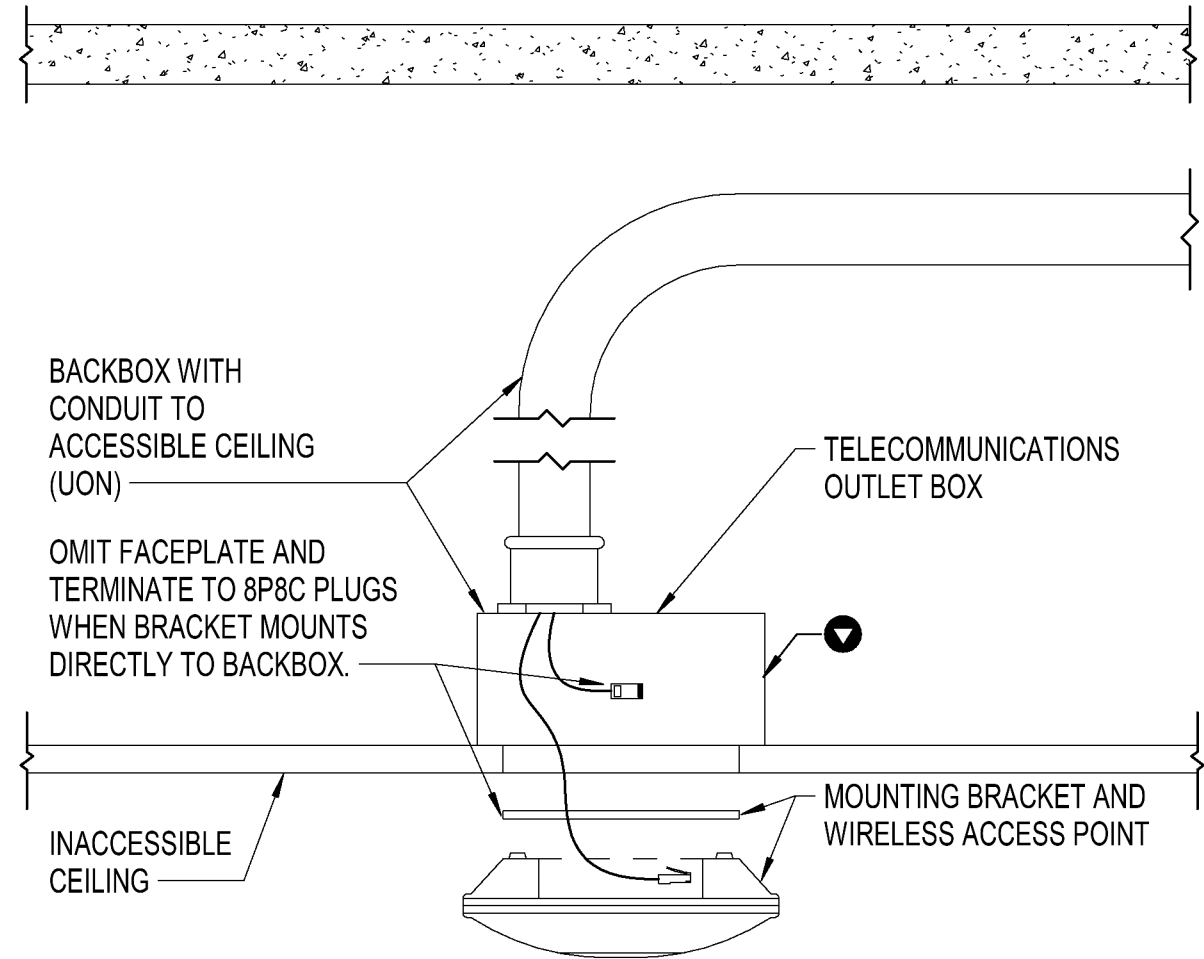
1420 5th Avenue
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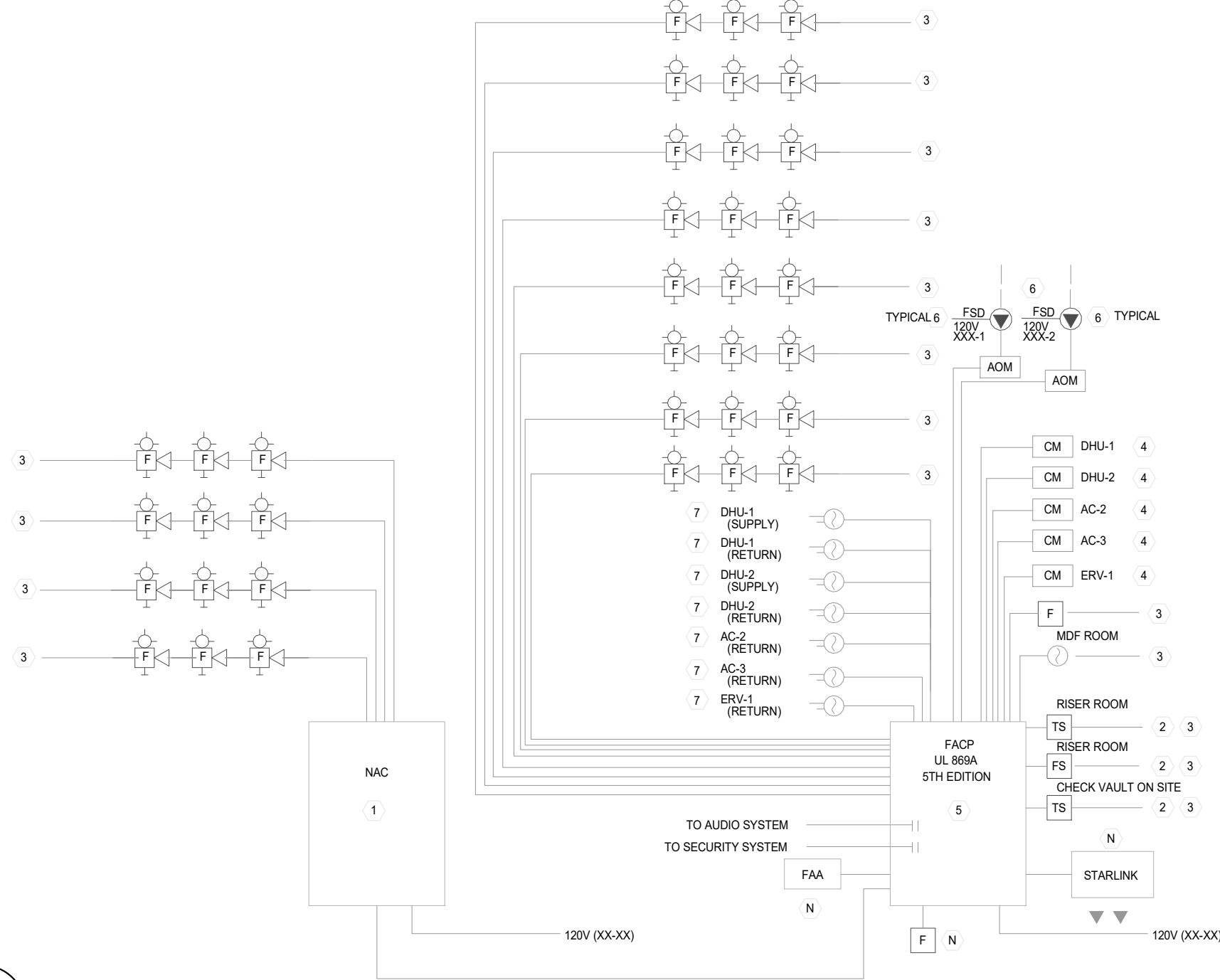


EXPIRES 09/03/2028

ISSUE LIST
REFERENCE SET 10/02/2026



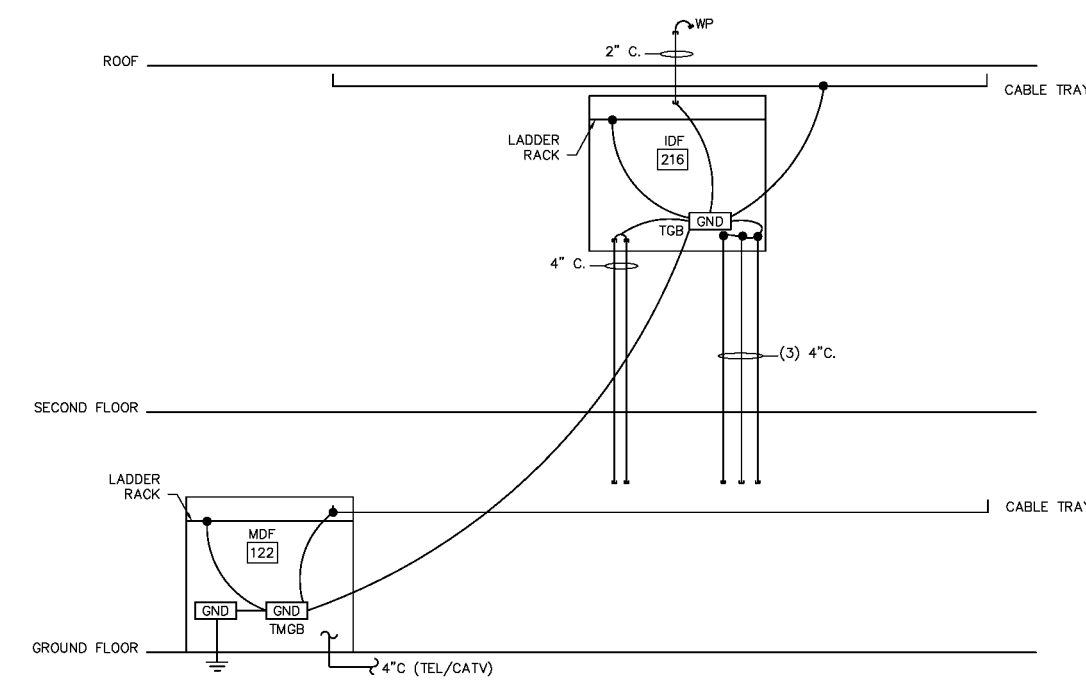
8 **WAP CEILING (NON-ACC)**
T3.00 NOT TO SCALE



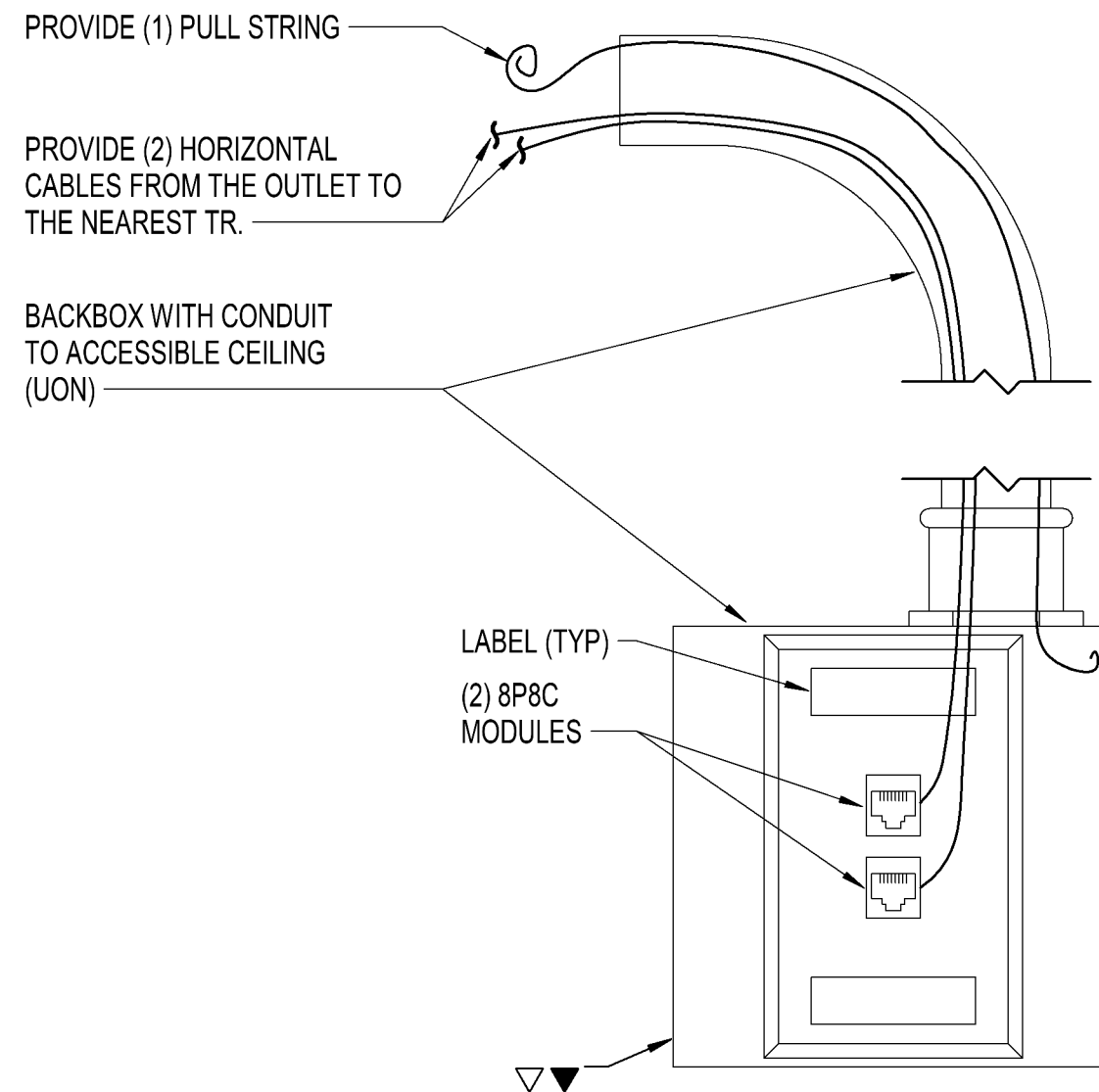
9 **FIRE ALARM DETAIL**
T3.00 NOT TO SCALE

DETAIL NOTES

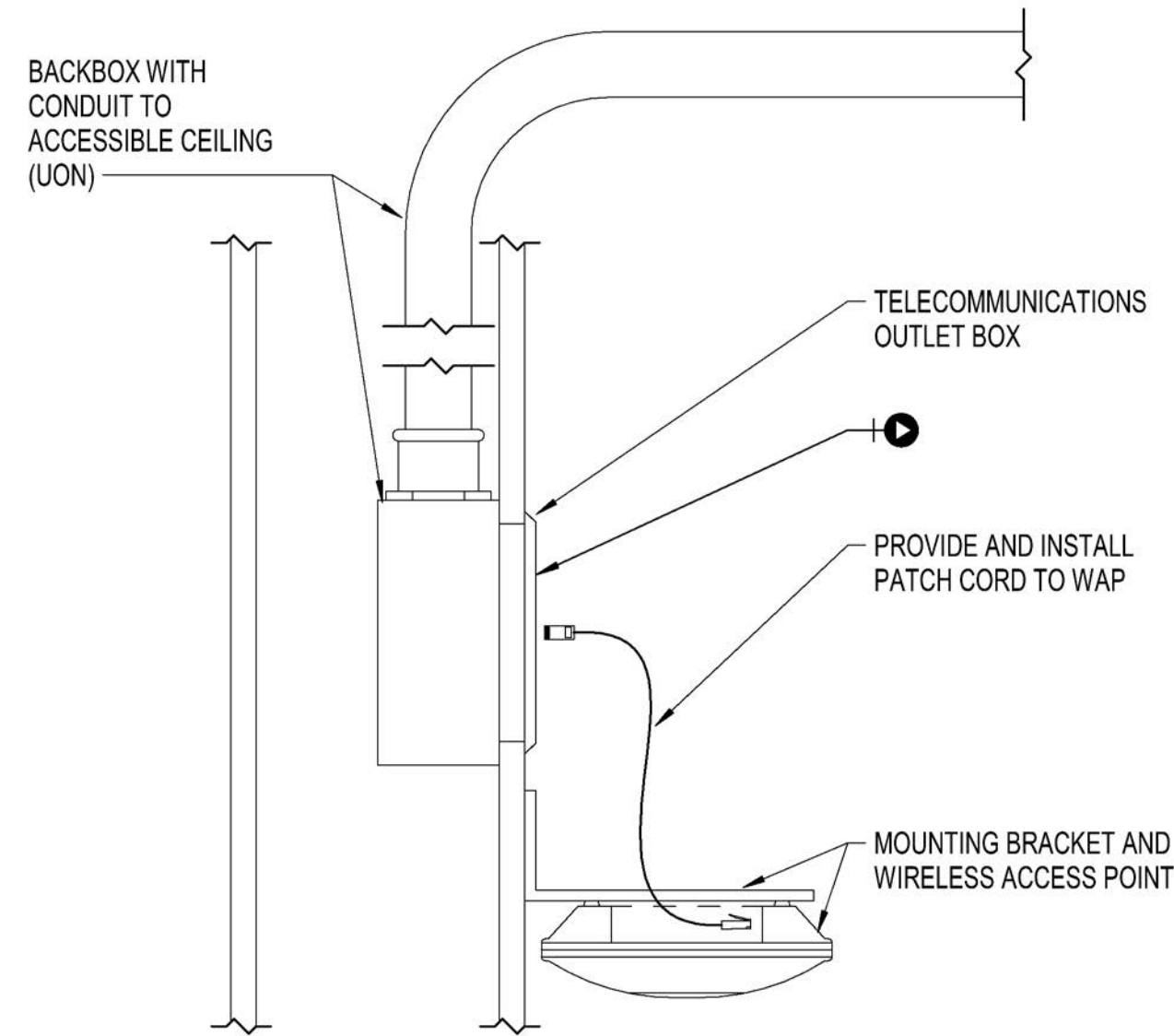
- 1 FIRE ALARM VENDOR (FAV) TO DETERMINE QUANTITY OF NACS REQUIRED FOR REMODEL BASED UPON QUANTITIES SHOWN ON PLANS.
- 2 EXISTING QUANTITIES AND CONFIGURATIONS TO BE DETERMINED BY FAV AND REFLECTED IN SHOP DRAWINGS.
- 3 SEE FLOOR PLANS FOR QUANTITIES REQUIRED.
- 4 PROVIDE DRY CONTACT INTERFACE TO MOTOR CONTACTOR. COORDINATE WITH DIVISION 23.
- 5 ADDRESSABLE DEVICES ARE SHOWN AS "HOME RUNS" FOR CLARITY. ADDRESSABLE DEVICES CAN BE ROUTED USING CLASS "B" STYLE "K" CIRCUITS. T-TAPS ARE TO ONLY OCCUR AT TERMINAL BOXES.
- 6 SEE "EP" DRAWINGS FOR QUANTITIES AND 120VAC CIRCUITING OF FIRE SMOKE DAMPERS (FSD) AND CONTROL DAMPERS. PROVIDE ONE (1) 20-AMPERE RELAY FOR EACH ZONE RELAY SHOWN ON FSD ZONE SCHEDULE, SHEET 6E700.
- 7 MECHANICAL UNITS LOCATED ON ROOF. VERIFY EXACT LOCATION WITH DIVISION 23 15 PRIOR TO SUBMITTING BID.
- 8 FACP LOCATED IN MDF ROOM



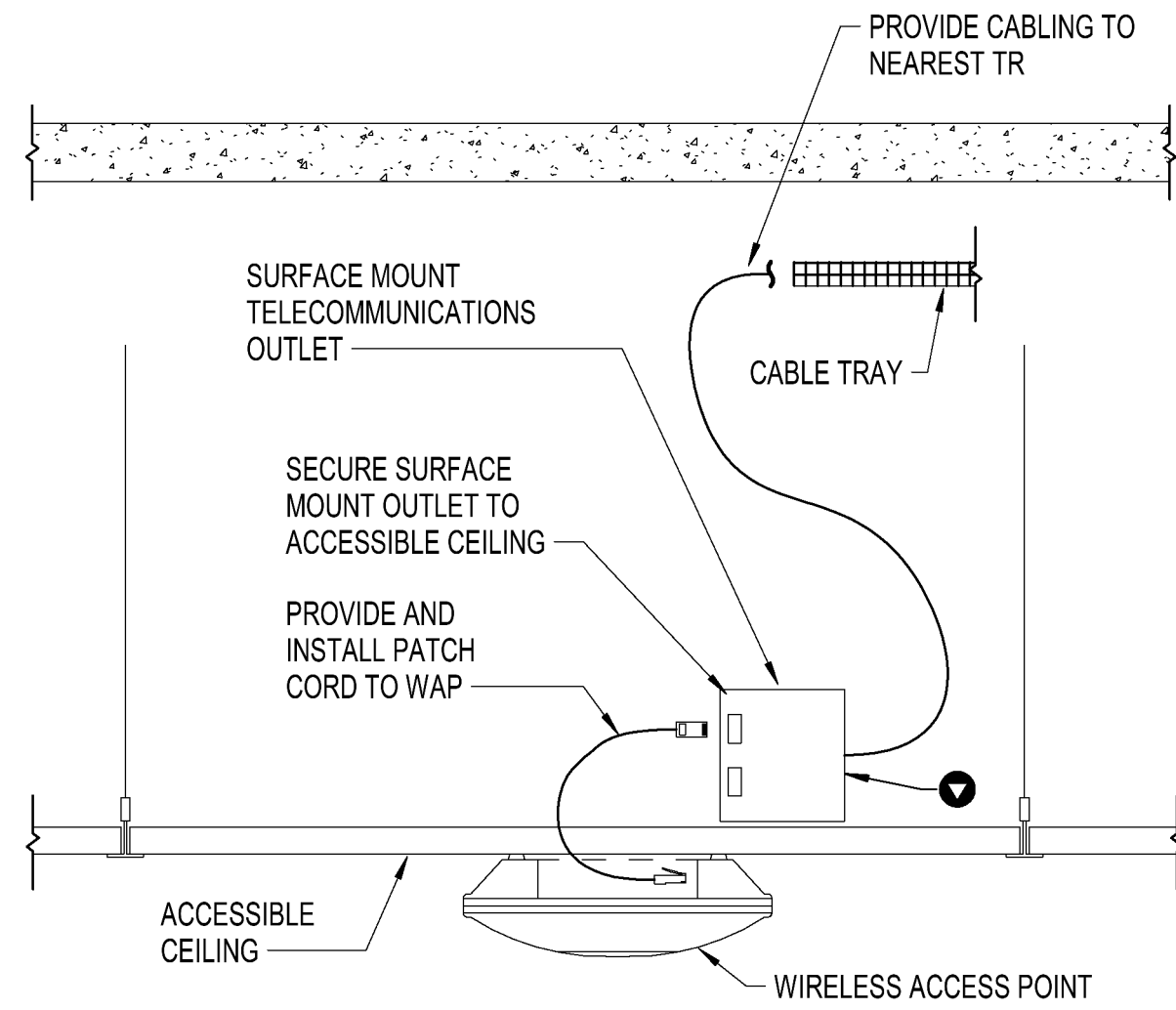
10 **TELECOMMUNICATIONS GROUNDING RISER**
T3.00 NOT TO SCALE



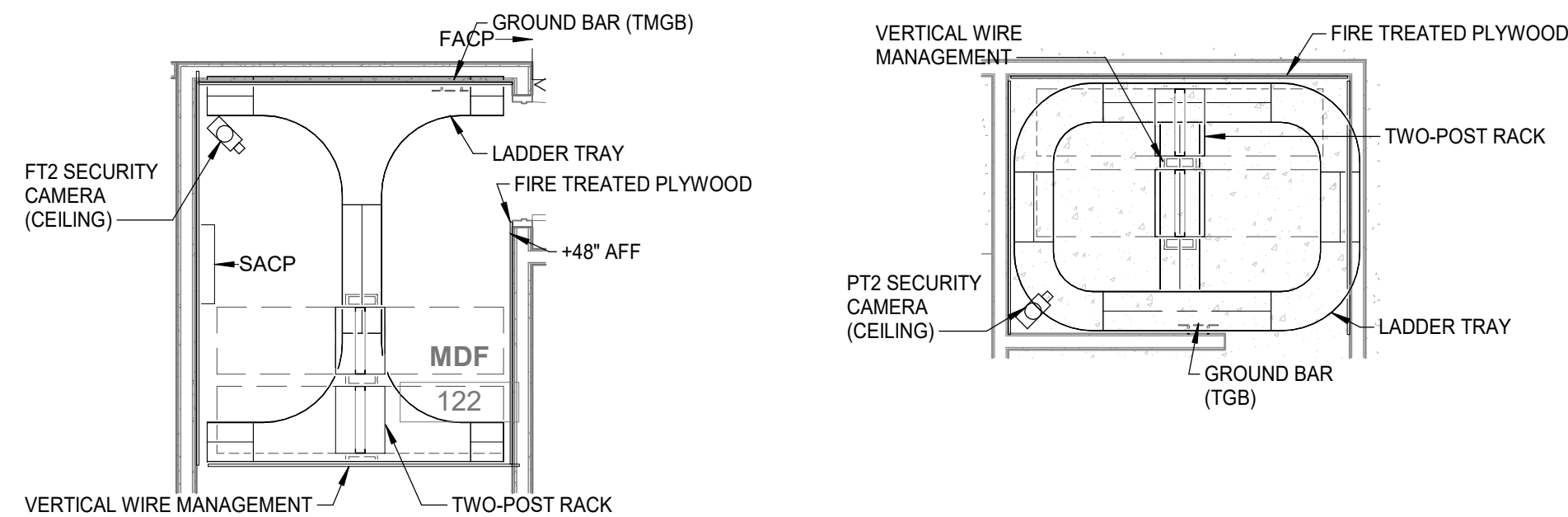
5 **TWO PORT**
T3.00 NOT TO SCALE



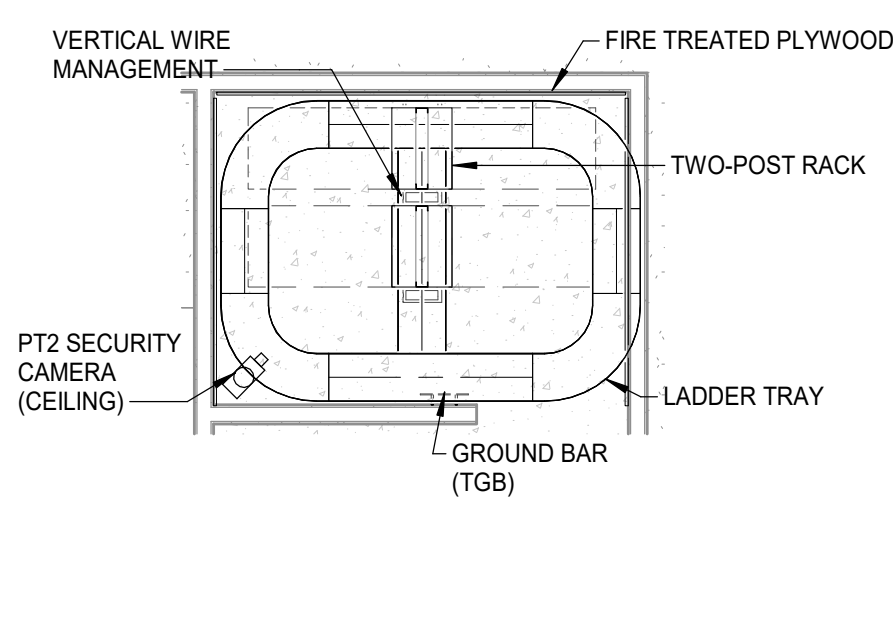
6 **WALL MOUNT WAP**
T3.00 NOT TO SCALE



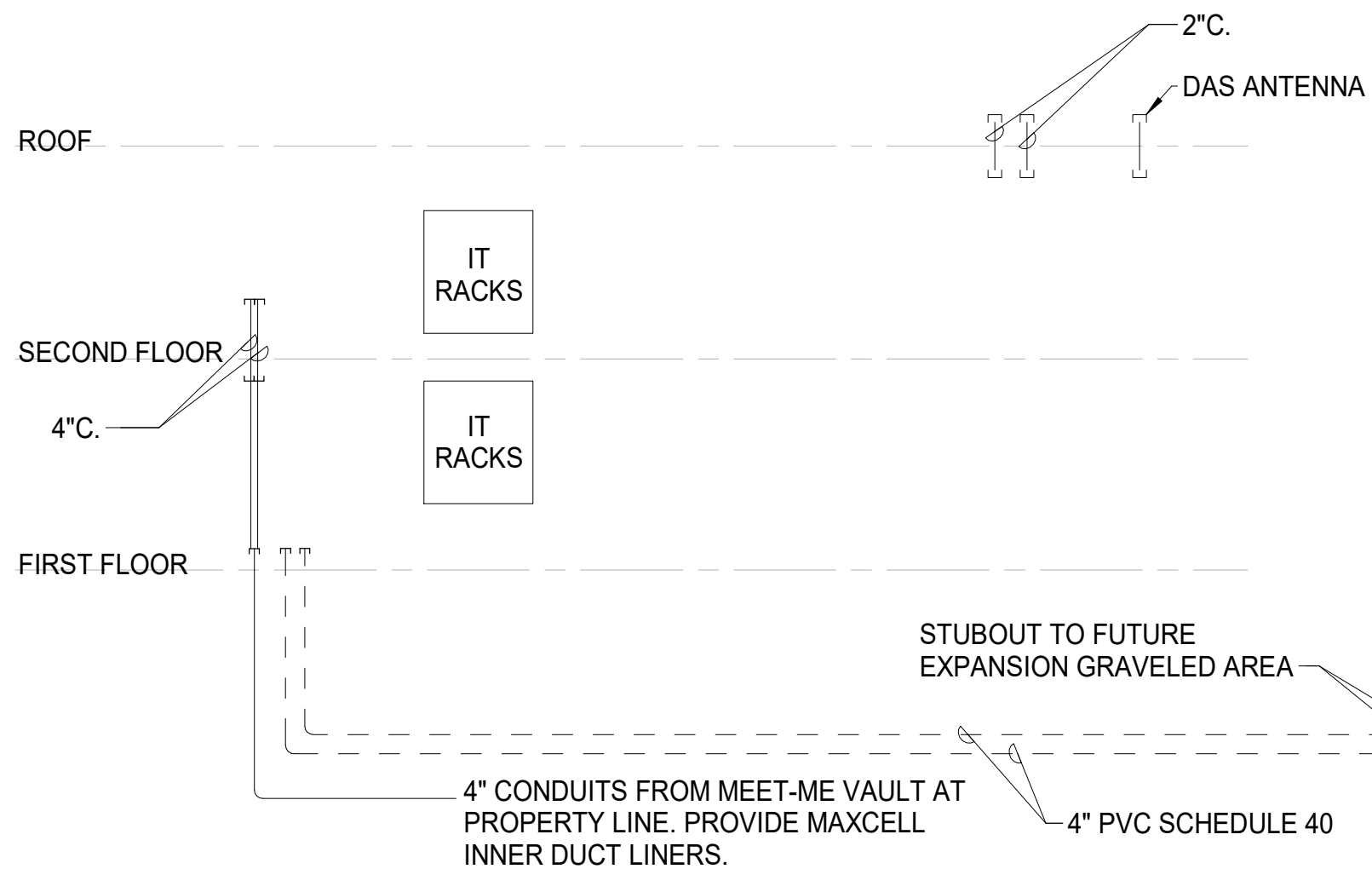
7 **WAP CEILING (ACC)**
T3.00 NOT TO SCALE



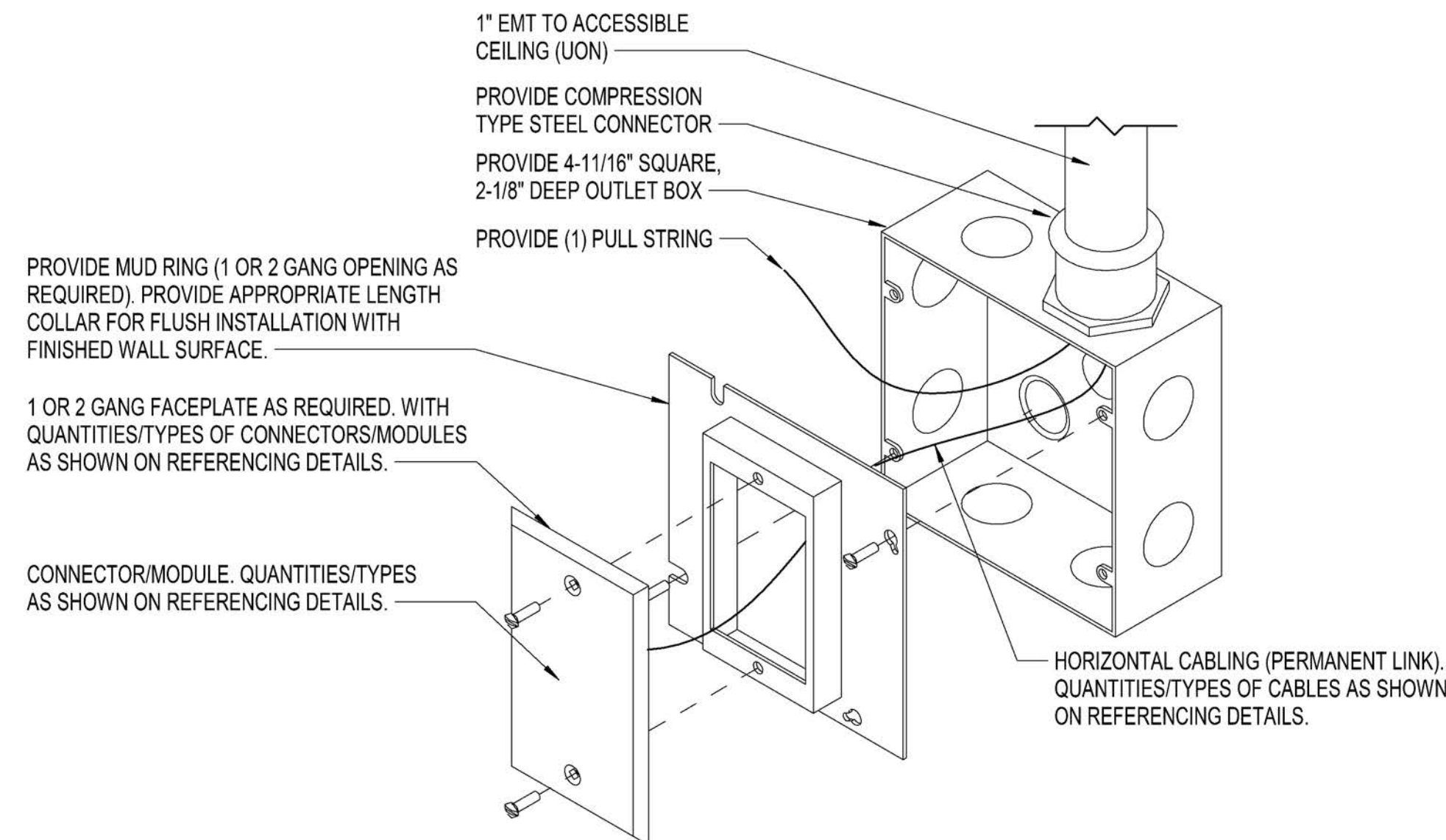
1 **ENLARGED MDF - TELECOMM**
T3.00 Scale: 1/4" = 1'-0"



2 **ENLARGED IDF - TELECOMM**
T3.00 Scale: 1/4" = 1'-0"



3 **TELECOM RISER DIAGRAM**
T3.00 NOT TO SCALE



4 **TELECOMM OUTLET**
T3.00 NOT TO SCALE

PLUMBING GENERAL NOTES:
GENERAL:
1. COORDINATE ALL PLUMBING WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
2. COORDINATE ALL PLUMBING WORK PRIOR TO INSTALLATION. DUCTWORK AND EQUIPMENT ACCESS TAKES PRECEDENCE OVER PIPING FOR AVAILABLE SPACE.
3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. COORDINATE EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE PIPING DIMENSIONS BEFORE FABRICATION.
5. PROVIDE 4" MINIMUM CONCRETE BASES (HOUSEKEEPING PADS) UNDER FLOOR MOUNTED PLUMBING EQUIPMENT.
6. PROVIDE MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION OF PLUMBING SYSTEMS.
7. LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, CONTROLS AND SIMILAR COMPONENTS SO THAT THEY ARE ACCESSIBLE. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT INSTALLED BEHIND WALLS, ABOVE INACCESSIBLE CEILINGS AND BELOW FLOORS. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECT.
8. COORDINATE ATTACHMENTS TO STRUCTURE TO VERIFY THAT ATTACHMENT POINTS ON EQUIPMENT AND STRUCTURE CAN ACCEPT SEISMIC, WEIGHT, AND OTHER LOADS IMPOSED.
9. MAINTAIN INDICATED FIRE AND SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT MECHANICAL PENETRATIONS. SEAL PENETRATIONS WITH FIRESTOP MATERIAL. PROVIDE MATERIAL IN ACCORDANCE WITH ASTM E 814 AND UL 1479 3M OR APPROVED.
10. LOCATIONS AND SIZES OF FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH OTHER TRADES INVOLVED. INCLUDE IN THE COST OF MECHANICAL WORK, CUTTING, CORING, PATCHING AND PAINTING OF WALLS, CEILINGS, FLOORS AND ROOFS AS REQUIRED TO ACCOMMODATE WORK AS INDICATED IN THE MECHANICAL CONTRACT DOCUMENTS, UNLESS SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS.
11. PROVIDE ELASTOMERIC FOAM MATERIAL ON MECHANICAL EQUIPMENT THAT PRESENT A SAFETY HAZARD. PAINT FOAM MATERIAL WHITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
13. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSE BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT. BEFORE SUBSTANTIAL COMPLETION, CLEAN EQUIPMENT, FIXTURES, EXPOSED DUCTS, PIPING AND SIMILAR ITEMS.
14. PROVIDE EQUIPMENT THAT FITS INTO THE SPACE ALLOTTED AND ALLOWS ADEQUATE ACCEPTABLE CLEARANCE FOR INSTALLATION, REPLACEMENT, ENTRY, SERVICING AND MAINTENANCE. COORDINATE WITH OTHER TRADES TO ENSURE NO CONFLICT WITH REQUIRED CLEARANCES.
15. PROVIDE OFFSETS IN PIPING WHERE PLUMBING/PIPING WALL IS LOCATED DIRECTLY ABOVE STRUCTURE. OFFSET PIPING INTO CASEWORK OR SHAFT TIGHT TO WALL AND BACK INTO WALL ONCE BELOW STRUCTURE. REFER TO STRUCTURAL DRAWINGS.
16. BUILDING SPACE IS LIMITED. STRONG ATTENTION TO DETAIL AND CARE MUST BE TAKEN WHEN DEVELOPING SHOP DRAWING SO ROUTING IS COORDINATED WITH OTHER DISCIPLINES. ALL EXPOSED SYSTEMS ROUTING REQUIRES APPROVAL OF ARCHITECT.
17. STANDARD CURRENT TRADE PRACTICES & METHODS APPLY TO THIS PROJECT. ALL WORK IS TO MEET REQUIREMENTS OF ALL CURRENT CODE & LOCAL JURISDICTIONAL REQUIREMENTS AND AMENDMENTS. THESE CODES INCLUDE BUT ARE NOT LIMITED TO WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, UNIFORM PLUMBING CODE, NFPA, INTERNATIONAL FIRE CODE, & LOCAL JURISDICTIONAL REQUIREMENTS. COMPLY WITH ALL MANUFACTURER'S REQUIREMENTS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY VARIANCES.
18. DRAWINGS ARE DIAGRAMMATIC ONLY & NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. VERIFY LOCATION & MEASUREMENTS OF ALL ITEMS ON THE JOB SITE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE ALL OFFSETS & ADDITIONAL PIPING AS NECESSARY TO AVOID STRUCTURAL ELEMENTS ON THE PROJECT. CONTRACTOR SHALL PRODUCE SHOP DRAWINGS & COORDINATE WITH OTHER TRADES. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THIS COORDINATION OR FOR EXTRA MATERIAL REQUIRED IN ORDER TO ACCOMPLISH THIS TASK.
19. ALL EQUIPMENT SHALL BE REGULARLY CATALOGED ITEMS OF THE MANUFACTURER & SHALL BE SUPPLIED AS A COMPLETE UNIT IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD SPECIFICATIONS. ANY OPTIONAL ITEMS REQUIRED FOR PROPER INSTALLATION SHALL BE INCLUDED UNLESS OTHERWISE NOTED.
20. ANY CUTTING, PATCHING & PAINTING OF BUILDING ELEMENTS & FINISHED SURFACES IS TO BE DONE BY THE GENERAL CONTRACTOR.
21. ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
22. ALL EQUIPMENT SHALL BE LABELED PER PLANS.
23. RATING OF ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE-RATED WALLS, SHAFTS, CEILINGS, ETC., MUST EQUAL THE FIRE RATING OF THE MATERIAL PENETRATED.
24. CAULK & FLASH ALL PENETRATIONS PER CODE.
25. PROVIDE OPERATING & MAINTENANCE MANUALS (O&MS), RECORD DRAWINGS, & OWNER TRAINING IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE.
26. PROVIDE NATIONAL ELECTRICAL CODE (NEC) MINIMUM WORKING CLEARANCE IN FRONT OF ANY ELECTRICAL PANEL, INCLUDING PANELS ON EQUIPMENT. RE-ROUTE OR OFFSET PIPING AS REQUIRED.

PLUMBING GENERAL NOTES (CONTINUATION)
27. DOMESTIC HOT WATER CIRCULATORS SHALL BE CONTROLLED BY AN AQUASTAT, & SHALL SHUT DOWN WHEN WATER TEMPERATURE IS AT SETPOINT. DOMESTIC HOT WATER CIRCULATION SHALL HAVE SHUT-OFF CAPACITY BASED ON OCCUPANCY AND PERIODS OF DEMAND.
28. DOMESTIC PIPING SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. DOMESTIC HOT WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK, EXCEPT RUNOUTS UP TO 12' SHALL BE 1/2"THICK. DOMESTIC COLD WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK FOR PIPING LARGER THAN 1", & 1/2" THICK FOR PIPING 1" & LESS & RUNOUTS LESS THAN 2" DIAMETER UP TO 12'. INCREASE THICKNESS BY 1/2" FOR PIPING EXPOSED DIRECTLY TO OUTDOOR CONDITIONS.
29. PROVIDE COMMISSIONING OF THE WATER SERVICE SYSTEM. INCLUDE FUNCTIONAL TESTING OF OPERATION & TEST PROCEDURES PER WASHINGTON STATE ENERGY CODE. ITEMS TO BE COMMISSIONED ARE: CONTROL DEVICES, PUMPS PROVIDE PRELIMINARY AND FINAL COMMISSIONING REPORTS. SUBMIT FIGURE C408.1.2.1 COMPLIANCE CHECKLIST FROM WASHINGTON STATE ENERGY CODE TO AUTHORITY HAVING JURISDICTION UPON COMPLETION OF PRELIMINARY COMMISSIONING REPORT. PROVIDE CLOSEOUT DOCUMENTS IN COMPLIANCE WITH C103.6
30. SERVICE WATER PIPING INSULATION CONDUCTIVITY IS NOT TO EXCEED 0.27 BTU PER INCH/H*SQ.FT*DEGREE F INSULATION THICKNESS SHALL BE PER TABLE C403.2.9.
31. PROTECT PIPING INSULATION PER REQUIREMENTS OF THE WSEC, SECTION C403.2.9.1.
32. PROVIDE WATER SYSTEM BALANCING DEVICES, INCLUDING ISOLATION VALVES, BALANCING VALVES, AND FLOW MEASURING DEVICES AS SHOWN ON PLANS.
33. DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, PLUMBING FITTINGS AND ALL OTHER APPURTENANCES IN CONTACT WITH DRINKING WATER SHALL BE LEAD-FREE EXCEPT THOSE EXPLICITLY EXEMPTED IN SECTION 3874 OF THE SAFE WATER DRINKING ACT. LEAD-FREE SHALL MEAN (A) NOT CONTAINING MORE THAN 0.2 PERCENT LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX; AND (B) NOT MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO WETTED SURFACES OF DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, AND PLUMBING FITTINGS.
34. PROVIDE WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING IN ACCORDANCE WITH PDI-WH 201.
35. PROVIDE LINE SIZE STRAINER UPSTREAM OF EACH BACKFLOW PREVENTER, WATER PRESSURE REDUCING VALVE, CONTROL VALVE, SOLENOID VALVE AND PUMP. PROVIDE SHUTOFF VALVE ON EACH SIDE OF STRAINER.
36. VALVES, EXPANSION FITTINGS,LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.
37. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS, FLOOR SINKS, AND AIR GAP DRAIN TRAPS.
38. OXYGEN AND NITROUS GAS PIPING SHALL BE COPPER TYPE K AND SHALL BE INSTALLED BY A CERTIFIED INSTALLER. PROVIDE THIRD PARTY TESTING AND INSPECTION PER THE REQUIREMENTS OF THE 2021 UPC CHAPTER 13 WITH ALL WASHINGTON STATE AMENDMENTS.
39. ALL HOT AND COLD WATER PIPING, SANITARY WASTE AND VENT PIPING, HVAC CONTROL CONTROL SYSTEM AND CONDUIT PENETRATIONS OF FIRE-RESISTANT RATED AND SMOKE-RESISTANT RATED HORIZONTAL AND VERTICAL ASSEMBLIES SHALL BE PROTECTED BY APPROVED, LISTED PENETRATION SYSTEMS IN ACCORDANCE WITH 2021 IBC, SECTION 714.
40. REFERENCE ARCHITECTURAL PLANS FOR ANY FIRE RATED ASSEMBLIES REQUIRED FOR THIS PROJECT.
41. VALVE SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
42. ALL VALVES (EXPECT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
43. PROVIDE UNIONS AND/OR FLANGES AT EACH PIECE OF EQUIPMENT, AT EACH CONTROL VALVE, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
44. PROVIDE FLEXIBLE CONNECTORS IN PIPING SYSTEMS CONNECTED TO EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.

PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER (CW)		BACKWATER VALVE
	HOT WATER (HW)		TRIPLE DUTY VALVE
	HOT WATER CIRC (HWC)		2-WAY CONTROL VALVE
	WASTE OR SAN. SEWER		3-WAY CONTROL VALVE
	GREASE WASTE (GW)		4-WAY CONTROL VALVE
	VENT (V)		SOLENOID VALVE
	OVER FLOW DRAIN		BALANCING VALVE
	STORM DRAIN		REDUCER
	FIRE MAIN/FIRE SPRINKLER PIPING		STRAINER
	PIPE DOWN		UNION
	PIPE UP		PLUG VALVE
	BRANCH - TOP CONNECTION		PETE'S PLUG
	BRANCH - BOTTOM CONNECTION		FLOW STATION
	BRANCH - SIDE CONNECTION		FLOW CONTROL VALVE
	CAP END OF PIPE		THRUST BLOCK (TB)
	FLOW DIRECTION		DRAIN VALVE WITH HOSE CONNECTION OR HOSE BIBB
	FLUSH CLEANOUT (FCO) OR SURFACE CLEANOUT (SCO) AS INDICATED		BACKFLOW PREVENTER ASSEMBLY
	WALL CLEANOUT (WCO)		FLOOR DRAIN (FD)
	CLEANOUT (CO)		FLOOR & FUNNEL DRAIN (F&FD)
	DOWNSPOUT		ROOF/OVERFLOW/DECK DRAIN (RD, OD & DD)
	VENT THRU ROOF (VTR)		PIPE ANCHOR
	GATE VALVE (GV)		PIPE GUIDE
	GLOBE VALVE		FLEXIBLE CONNECTION (PIPE)
	VALVE IN RISER		AUTOMATIC OR MANUAL AIR VENT (AAV, MAV)
	BUTTERFLY VALVE		VACUUM BREAKER
	PRESSURE REDUCING VALVE (PRV)		PRESSURE GAUGE
	CHECK VALVE (CV)		THERMOMETER
	TEMPERATURE / PRESSURE RELIEF VALVE (T&PV)		EXPANSION JOINT
	BALL VALVE (BV)		EXPANSION LOOP
	FREEZEPROOF WALL HYDRANT (FWH) HOSE BIBB (HB)		METER
	AQUASTAT		REDUCED PRESSURE BACKFLOW PREVENTER
	PUMP		EXISTING
	RELIEF VALVE		MECHANICAL CONTRACTOR
	FLOAT VALVE		ELECTRICAL CONTRACTOR
	CIRCUIT SETTER		GENERAL CONTRACTOR
	SUCTION DIFFUSER		
NOTES: NOT ALL SYMBOLS USED. REFER TO DRAWINGS.			

APPLICABLE CODES
2021 WASHINGTON PLUMBING CODE
2021 WASHINGTON MECHANICAL CODE
2021 WASHINGTON FIRE CODE
2021 WASHINGTON BUILDING CODE

FREIHEIT

ARCHITECTURE

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9-18-2026

ISSUE LIST

PLUMBING
GENERAL NOTES
AND LEGEND

P0.01

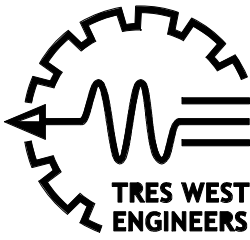
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PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURE	FIXTURE	SERVICES				NOTES		
			W	V	CW	HW			
P-1	WATER CLOSET ADA	TYPE, MFR., MODEL: WALL HUNG, FLUSH VALVE; AMERICAN STANDARD "AFWALL" NO. 3351.128, EVERCLEAN SURFACE FLUSH VALVE: SLOAN "ROYAL" 111-ADA, 1.28-GALLON FLUSH. SEAT: OPEN FRONT, LESS COVER; BENEKE NO. 523SS/CH. HANGER: VERTICAL COMPACT SUPPORT. MISCELLANEOUS: FLUSH CONTROL SHALL BE MOUNTED FOR USE FROM WIDE SIDE OF WATER CLOSET AREA. HANDICAPPED - MOUNTING HEIGHT FROM FLOOR TO TOP OF SEAT SHALL BE A MAXIMUM OF 19" AND MINIMUM OF 17"	4"	2"	1-1/4"	-			
P-1A	WATER CLOSET ADA	TYPE, MFR., MODEL: FLOOR MOUNT, 1.28 GPF FLUSH VALVE; AMERICAN STANDARD "MADERA" FLOWISE, LESS EVERCLEAN SURFACE FLUSH VALVE: SLOAN "ROYAL" 111-ADA, 1.28-GALLON FLUSH. SEAT: OPEN FRONT, LESS COVER; BENEKE NO. 523SS/CH. HANGER: VERTICAL COMPACT SUPPORT. MISCELLANEOUS: FLUSH CONTROL SHALL BE MOUNTED FOR USE FROM WIDE SIDE OF WATER CLOSET AREA. HANDICAPPED - MOUNTING HEIGHT FROM FLOOR TO TOP OF SEAT SHALL BE A MAXIMUM OF 19" AND MINIMUM OF 17"	4"	2"	1-1/4"	-			
P-2	LAVATORY ADA	WALL HUNG, 4" CENTERS, VITREOUS CHINA; AMERICAN STANDARD "LUCERNE" NO. 0355.012 FAUCET: CHICAGO FAUCETS MODEL NO 802-CP WITH 4" SPOUT, NO. E12VP 0.5 GPM VANDAL RESISTANT AERATOR; ADA COMPLIANT TRAPS & TAILPIECES: MCGUIRE, OR EQUAL, 1-1/2" CHROME-PLATED CAST BRASS P-TRAP AND TAILPIECE. SUPPLIES: LOOSE KEY QUARTER-TURN BALL STOP WITH FLEXIBLE BRAIDED STAINLESS STEEL RISERS; BRASSCRAFT PROVIDE INSULATION ON TRAP AND SUPPLIES PER SPECIFICATIONS	2"	1-1/2"	1/2"	1/2"	PROVIDE MIXING VALVE <u>MV-2</u>		
P-3	SHOWER ADA	ONE-PIECE AQUATIC ADVANTAGE SHOWER, 36" X 36" X 75"; # 1363BFSC TRIM: LOCATE PER ARCHITECTURAL PLANS, DELTA T13091 PRESSURE-BALANCED MIXING VALVE, R10000 SERIES VALVE BODY, METAL LEVER-HANDLE TEMPERATURE CONTROL, DELTA 52001-DS 24" GRAB BAR HAND HELD SHOWER WITH 60-82" HOSE AND DELTA 59462 1.5 GPM WATERSENSE LABELED SHOWER HEAD. MISC: PRE-INSTALLED CURTAIN ROD, PRE-INSTALLED GRAB BARS, PRE-INSTALLED FOLD-DOWN SEAT, NO RECESS OPTION, AND FIBER-FAB SPLASHGUARD D ALL-RUBBER COLLAPSIBLE THRESHOLD	2"	1-1/2"	1/2"	1/2"			
P-4	SINK	DROP-IN, DOUBLE-COMPARTMENT, 20 GAUGE STAINLESS STEEL, 33" X 19" X 6 1/2" DEEP WITH STAINLESS STEEL BASKET STRAINERS; ELKAY "LUSTERTONE" MODEL LRAD331965. FAUCET: 8" CENTERS, SINGLE WING HANDLES, GOOSENECK SPOUT, BASKET STRAINER. CHICAGO FAUCETS NO. 1100-GN8AE35-317AB. 1.5 GPM VANDAL RESISTANT AERATOR. SUPPLIES: REINFORCED PVC INNER HOSE WITH POLYMER-BRAIDED OUTER LAYER, CHROME-PLATED NUT, QUARTER-TURN ANGLE BALL STOP, NO LEAD; BRASSCRAFT SPEEDI-PLUMB PLUS OR EQUAL BY MCGUIRE OR EASTMAN. PROVIDE ADDITIONAL PUNCH FOR ADJACENT DISHWASHER AIR GAP FITTING IN BACK LEDGE. TRAPS & TAILPIECES: MCGUIRE 1-1/2" CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT . PROVIDE INSULATION ON TRAP AND SUPPLIES; SEE SPECIFICATIONS.	2"	1-1/2"	1/2"	1/2"			
P-4A	GARBAGE DISPOSAL	INSINKERATOR MODEL EVOLUTION PRO COVER CONTROL PLUS 7/8 HP, 120 V STAINLESS STEEL GARBAGE DISPOSAL WITH LOCKING COVER ON/OFF CONTROL, SS STOPER	-	-	-	-			
P-4B	INSTANT HOT WATER DISPENSER	INSINKERATOR MODEL C1300. UNDER COUNTER INSTALLATION, NFS LISTED. UL LISTED AND LABELED ELECTRICAL CORD AND PLUG. 1300 WATTS, 11.3 AMPS, 120 VOLT.	-	-	1/2"	-			
P-5	SERVICE SINK	TYPE, MFR., MODEL: FLOOR MOUNT, 24"x24", ONE PIECE, PRECAST TERRAZZO, MARBLE CHIPS ; FIAT NO. SB2424. FAUCET:ADJUSTABLE INLETS, VACUUM BREAKER SPOUT, PAIL HOOK WITH WALL SUPPORT, INTEGRAL STOPS, 3/4" HOSE THREAD OUTLET; CHICAGO FAUCETS NO. 897-RCF. TRAP & TAILPIECE: PROVIDED WITH UNDERGROUND WASTE PIPING. SUPPLIES: INTEGRAL TO FAUCET. MISCELLANEOUS: PROVIDE SERVICE SINK WITH FIAT NO. 832-AA, STAINLESS STEEL WALL GUARDS. 30" LONG 3/4" HOSE AND HOSE BRACKET AND NO. 889CC STAINLESS STEEL MOP HANGER. SEAL SEAM BETWEEN SERVICE SINK AND WALL WITH FIAT NO. 833-AA SILICONE SEALANT. FIAT 1453-BB FLAT STAINLESS STEEL STRAINER. FIAT E-77-AA VINYL BUMBER GUARD	3"	2"	3/4"	3/4"			
P-6	WATER COOLER & BOTTLE FILLING STATION	TYPE, MFR., MODEL: HI-LO WATER COOLER, STAINLESS STEEL BASIN (HANDICAPPED); ELKAY LZSTLG8WS, WITH FLEXI-GUARD STREAMSAVER BUBBLER, LEAD FREE, INNOVATIVE GREEN TICKER, TOUCHLESS BOTTLE FILLING STATION, PUSHBAR ACTIVATION, FILTRATION SYSTEM, ANTI-MICROBIAL PROTECTION, FILL RATE 1.1 GPM, LAMINAR FLOW, REAL DRAIN SYSTEM	2"	1-1/2"	1/2"	-			
P-7	WATER CONNECTION BOX	ICE MAKER OUTLET, 1/4" ANGLE VALVE IN BOX WITH EPOXY FINISH; GUY GRAY IMOB WITH WATER HAMMER ARRESTOR.	-	-	1/2"	-	RECESSED IN WALL		
P-8	FREEZELESS WALL HYDRANT	QUARTER-TURN, NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER AND STAINLESS STEEL BOX, LOOSE KEY, HINGED LOCKING COVER, ADJUSTABLE WALL CLAMP, NICKEL-BRONZE BOX FACE; JAY R SMITH 5509QT	-	-	3/4"	-			
P-9	EMERGENCY EYEWASH	STAINLESS STEEL WALL-MOUNTED EYEWASH HAWS NO. 7260BT-7270BT, STAINLESS STEEL BALL, YELLOW PLASTIC POP OFF DUST COVER, STAY-OPEN INSTANT ACTION VALVE, TRAP & TAILPIECE: PROVIDED WITH UNIT SUPPLY: 1/2"BALL VALVE SHUTOFF. PROVIDE W/ PHENOLIC LABEL "DO NOT SHUT OFF"	2"	1-1/2"	1/2"	1/2"	3/4" TEMPERED WATER SUPPLY PROVIDE <u>MV-3</u>		
P-10	HOSE BIBB HOT/COLD	ACORN #8156, RECESSED BOX, TYPE 304 STAINLESS STEEL, VANDAL RESISTANT.	-	-	3/4"	3/4"			
FD	FLOOR DRAIN	J.R. SMITH FIGURE 2005	PER PLAN	PER PLAN					
FS	FLOOR SINK	ZURN: Z1751, J.R. SMITH FIGURE 3003	PER PLAN	PER PLAN	-	-			

ELECTRIC WATER HEATER SCHEDULE												
UNIT NO.	LOCATION	MFR	MODEL	CAPACITY (GALLONS)	ELECTRICAL				PHYSICAL		DISCONNECT BY E.C.	NOTES
					NUMBER OF ELEMENTS	ELEMENT WATTAGE	VOLT	PH	DIA.xH (INxIN)	WEIGHT (LBS)		
EWH-1	STORAGE 15	A.O. SMITH	DRE-52-13.5	50	3	4,000	208	1	21 3/4x55 3/4	265	✓	1
1. PROVIDE R-10 RIGID INSULATION UNDER WATER HEATER.												

EXPANSION TANK SCHEDULE								
UNIT NO	MANUFACTURER	MODEL	SERVICE	TANK VOLUME (GALLONS)	DIMENSIONS (IN.)		OPERATING WEIGHT (POUNDS)	NOTES
					DIAMETER	HEIGHT		
ET-1	BELL & GOSSETT	ST-12C	DOMESTIC HW	6.4	11	13	15	ASME & NSF RATED
NOTES: 1. EXPANSION TANKS SHALL BE ASME RATED AND SHALL BE DELIVERED TO THE SITE PRE-CHARGED TO THE SYSTEM OPERATING PRESSURE. CONTRACTOR SHALL VERIFY SYSTEM PRESSURE PRIOR TO ORDERING. 2. PROVIDE WITH SEISMIC ANCHOR BOLTS AND SEISMIC BRACING.								

HEADER BACKFLOW EQUIPMENT SCHEDULE				
MARK	SERVES/AREA SERVED	MFR	LOCATION	REMARKS
[RPBA]	DOMESTIC COLD WATER HEADER	WATTS OR EQUAL	FIRE ROOM	2-1/2" REDUCED PRESSURE BACKFLOW ASSEMBLY SERVING INCOMING CW HEADER MAIN. RPBA IS EQUIPPED WITH FLOOD SENSOR.
[PRV]	DOMESTIC COLD WATER HEADER	WATTS OR EQUAL	FIRE ROOM	1-1/2" PRESSURE REDUCING VALVE SERVING CW HEADER MAIN



MIXING VALVE SCHEDULE												
UNIT NO	MFR	MODEL	SERVICE	INLET CW SIZE (INCHES)	INLET HW SIZE (INCHES)	OUTLET SIZE (INCHES)	INLET TEMP (°F)	OUTLET TEMP (°F)	GPM		PRESSURE DROP (PSI)	NOTES
									MINIMUM RECIRC. FLOW	MAXIMUM FLOW AT SPECIFIED PRESSURE DROP		
											5	1, 2 STAINLESS STEEL VALVE
MV-1	WATTS	LFMM432	EWB-1	1	1	1	140°	120°	4 GPM	21 GPM	5	1, 5 STAINLESS STEEL VALVE
MV-2	POWERS	LFE-480	SINK/LAVATORY	1/2	1/2	1/2	140°	110°	0.5 GPM	1 GPM	5	3
MV-3	LEONARD	TM-300-LF	EMERGENCY FACE/EYEWASH	1/2	1/2	3/4	120°	85°	2 GPM	9 GPM	5	4
NOTES: 1. CERTIFIED LEAD-FREE. PIPING SHALL BE 1-1/4" UP TO VALVE. 2. COMPLY WITH UPC SECTION 407.3. ASSE 1070, LIMIT WATER TO PUBLIC LAVATORIES TO A MAXIMUM OF 120F. 3. ASSE 1070 CERTIFIED. 4. ASSE 1071 CERTIFIED. 5. CERTIFIED LEAD-FREE. PIPING SHALL BE 1" UP TO VALVE.												

PUMP SCHEDULE											
UNIT NO	MFR	MODEL	SERVICE	TYPE	GPM	HEAD (FT)	ELECTRICAL CONNECTION			STARTER/ DISCONNECT BY	NOTES
							HP	VOLT/PHASE	FLA		
CP-1	B&G	ECOCIRC+ 20-18	EWB-1	IN-LINE	4	25	70W	120/1	1/2	E.C.	1,2,3
NOTES: 1. ALL STAINLESS STEEL CONSTRUCTION FOR POTABLE WATER. 2. ECM MOTOR. 3. PROVIDE WITH EXTERNAL TEMPERATURE SENSOR.											

ELEVATOR SUMP PUMP SCHEDULE												
UNIT NO	MFR	MODEL	SERVICE	DISCHARGE	MAX. FLOW (GPM)	MAX. HEAD (FT)	ELECTRICAL CONNECTION			RATED FULL-LOAD (AMPS)	STARTER/ DISCONNECT BY	NOTES
							HP	VOLT/PHASE	RPM			
SP-1	STANCOR	SE-50-O/M	ELEVATOR	2"	50	22	.5	115/1	3600	8	E.C.	1, 2, 3. SEE DETAIL 1/P0.07
NOTES: 1. SEE DRAWINGS FOR EXACT LOCATION. 2. PROVIDE COMPLETE WITH OIL MINDER CONTROL PANEL SYSTEM. 3. 16 FEET CABLE.												

TRAP PRIMER SCHEDULE								
TAG	MAKE & MODEL	LOCATION	NUMBER OF OUTLETS	PIPE CONNECTIONS		ELEC V/Ø	CABINET SIZE WxLxD	NOTE
				INLET	OUTLETS			
TP-1	PPP, PRIME-TIME	STORAGE 15	4 - 12	3/4"	1/2"	120/1	12"x12"x4"	1, 2
TP-2	PPP, PRIME-TIME	RESTROOM 21	4 - 12	3/4"	1/2"	120/1	12"x12"x4"	1, 2
NOTES: 1. TRAP PRIMER MANIFOLD. RECESS MOUNT WITH TIMER. 2. SEE DETAIL 3/P0.04.								

PIPING MATERIALS		JOINING METHODS	
DOMESTIC CW, HW, HWC	COPPER TYPE L	SWEAT, COPPER PRESS, OR ROLLED GROOVES	
SANITARY SEWER PIPING ABOVE GRADE	CAST IRON	NO-HUB COMPRESSION COUPLINGS, CISPI 310	
SANITARY SEWER, VENT PIPING BELOW GRADE FITTINGS NEED TO BE HEAVY-DUTY	PVC	SOLVENT CEMENT, PURPLE PRIMER	
VENT PIPING ABOVE GRADE	PVC	SOLVENT CEMENT, PURPLE PRIMER	
STORM WATER PIPING ABOVE GRADE	CAST IRON	NO-HUB COMPRESSION COUPLINGS, CISPI 310	
STORM WATER PIPING BELOW GRADE FITTINGS NEED TO BE HEAVY-DUTY	PVC	SOLVENT CEMENT, PURPLE PRIMER	

WATER HAMMER ARRESTOR SIZING SCHEDULE (BELLOWS)				
MARK	FIXTURE UNITS	SIZE	HYDROTROL MODEL NUMBER	REMARKS
A1	1-11	3/4"	5005	NFS 61
A2	12-32	1"	5010	NFS 61
A3	33-60	1"	5020	NFS 61
A4	61-113	1"	5030	NFS 61
A5	114-154	1"	5040	NFS 61

TABLE C404.3.1 - HOT WATER PIPING VOLUME & MAXIMUM PIPE LENGTHS			
NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAV FAUCETS	OTHER FIXTURES /APPLIANCES
1/4"	0.33	6.0	50.0
5/16"	0.50	4.0	50.0
3/8"	0.75	3.0	50.0
1/2"	1.50	2.0	43.0
5/8"	2.00	1.0	32.0
3/4"	3.00	0.5	21.0
7/8"	4.00	0.5	16.0
1"	5.00	0.5	13.0
1-1/4"	8.00	0.5	8.0
1-1/2"	11.00	0.5	6.0
2"	18.00	0.5	4.0

TABLE C404.10.3 - MINIMUM PIPE INSULATION THICKNESS (thickness in inches) ^a							
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
	CONDUCTIVITY BTU • in./ (h • ft ² • F) ^b	MEAN RATING TEMPERATURE (°F)	< 1	1 to < 1-1/2	1-1/2 to < 4	4 to < 8	≥ 8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 - 0.26	75	0.5	1.0	1.0	1.0	1.5

MAXIMUM UNIT LOADING OF DRAINAGE AND VENT PIPING											
SIZE OF PIPE (INCHES)	1-1/4	1-1/2	2	3	4	5	6	8	10	12	
MAXIMUM UNITS DRAINAGE PIPING ¹											
VERTICAL	1	2 ^{2, 7}	16 ³	48 ⁴	256	600	1380	3600	5600	8400	
HORIZONTAL	1	1 ⁷	8 ³	35 ⁴	216 ⁵	428 ⁵	720 ⁵	2640 ⁵	4880 ⁵	8200 ⁵	
MAXIMUM LENGH DRAINAGE PIPING											
VERTICAL, (FEET)	45	65	85	212	300	390	510	750	-	-	
HORIZONTAL (UNLIMITED)											
VENT PIPING											
HORIZONTAL AND VERTICAL ⁶											
MAXIMUM UNITS	1	8 ³	24	84	256	600	1380	3600	-	-	
MAXIMUM LENGTHS, (FEET)	45	60	120	212	300	390	510	750			

1

EXCLUDING TRAP ARM.

2

EXCEPT SINKS, URINALS, AND DISHWASHER - EXCEEDING 1 FIXTURE UNIT.

3

EXCEPT SIX-UNIT TRAPS OR WATER CLOSETS.

4

ONLY FIVE WATER CLOSETS OR FIVE-UNIT TRAPS ALLOWED ON VERTICAL PIPE OR STACK; AND NOT TO EXCEED THREE WATER CLOSETS OR SIX-UNIT TRAPS ON A HORIZONTAL BRANCH OR DRAIN.

5

BASED ON 1/4 INCH PER FOOT SLOPE. FOR 1/8 OF AN INCH PER FOOT SLOPE, MULTIPLY HORIZONTAL FIXTURE UNITS BY A FACTOR OF 0.8.

6

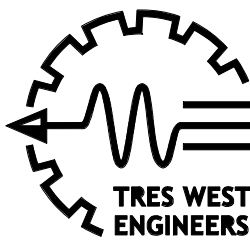
THE DIAMETER OF AN INDIVIDUAL VENT SHALL BE NOT LESS THAN 1-1/4 INCHES NOR LESS THAN ONE-HALF THE DIAMETER OF THE DRAIN TO WHICH IT IS CONNECTED. FIXTURE UNIT LOAD VALUES FOR DRAINAGE AND VENT PIPING SHALL BE COMPUTED FROM TABLE 702.1 AND TABLE 702.2(b). NOT TO EXCEED ONE-THIRD OF THE TOTAL PERMITTED LENGTH OF A VENT SHALL BE PERMITTED TO BE INSTALLED IN A HORIZONTAL POSITION. WHERE VENTS ARE INCREASED ONE PIPE SIZE FOR THEIR ENTIRE LENGTH, THE MAXIMUM LENGTH LIMITATION SPECIFIED IN THIS TABLE DO NOT APPLY. THIS TABLE IS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 901.2.

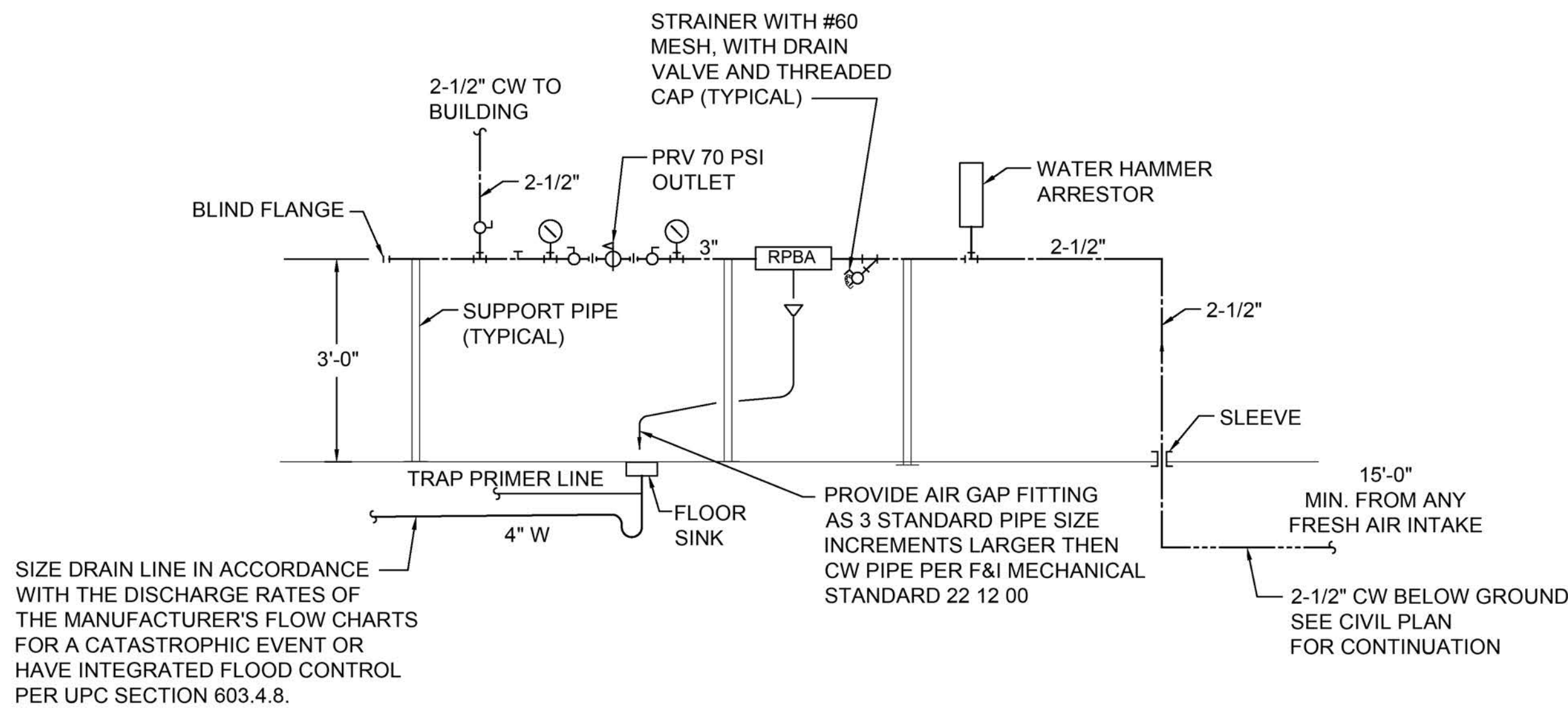
7

UP TO 8 PUBLIC LAVATORIES ARE PERMITTED TO BE INSTALLED ON A 1-1/2" VERTICAL BRANCH OR HORIZONTAL SANITARY BRANCH SLOPED AT 1/4" PER FOOT.

1.

UNIFORM PLUMBING CODE 2021 CHAPTER 7, TABLE 703.2





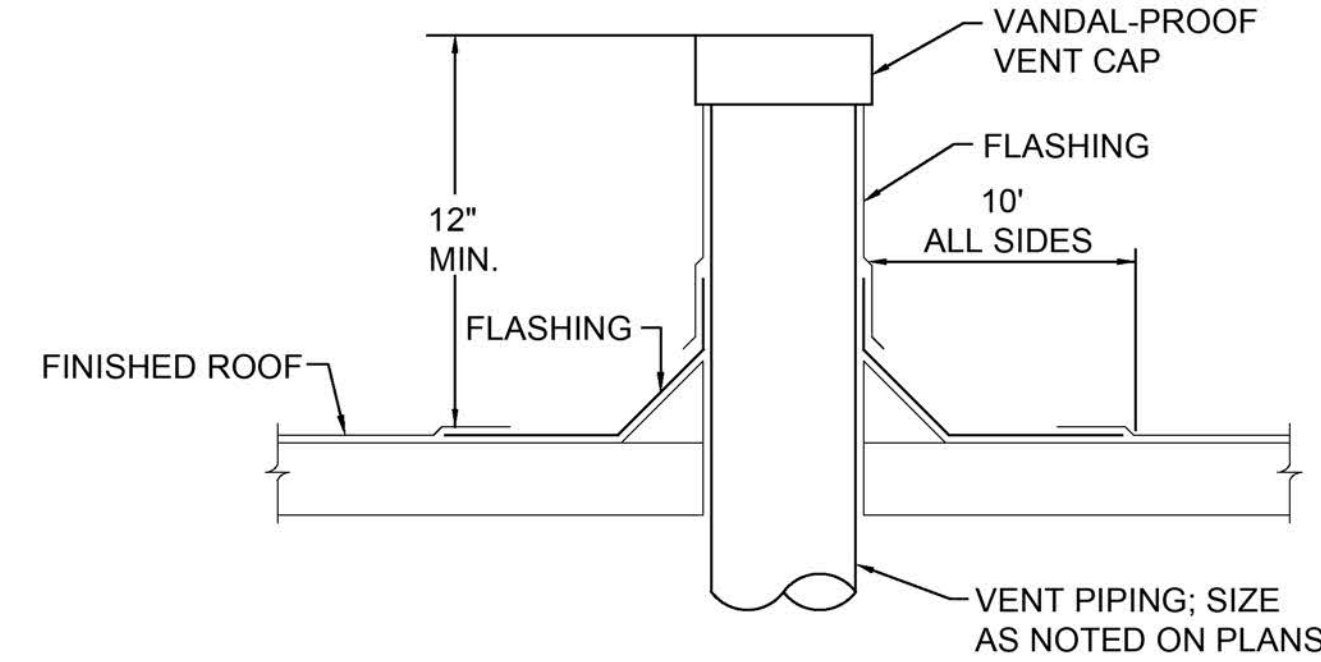
NOTE

1. ALL MATERIALS IN CONTACT WITH WATER TO BE COPPER, BRASS, BRONZE, EPDM, STAINLESS STEEL AND CERTIFIED LEAD FREE. ALL EQUIPMENT TO HAVE FLANGED CONNECTIONS FOR EASE OF REPLACEMENT.
2. DOMESTIC WATER METERS, BACKFLOW ASSEMBLIES, VALVES, FITTINGS, PLUMBING EQUIPMENT, ETC. SHALL BE NSF 61 LISTED.

1

DOMESTIC WATER HEADER DETAIL

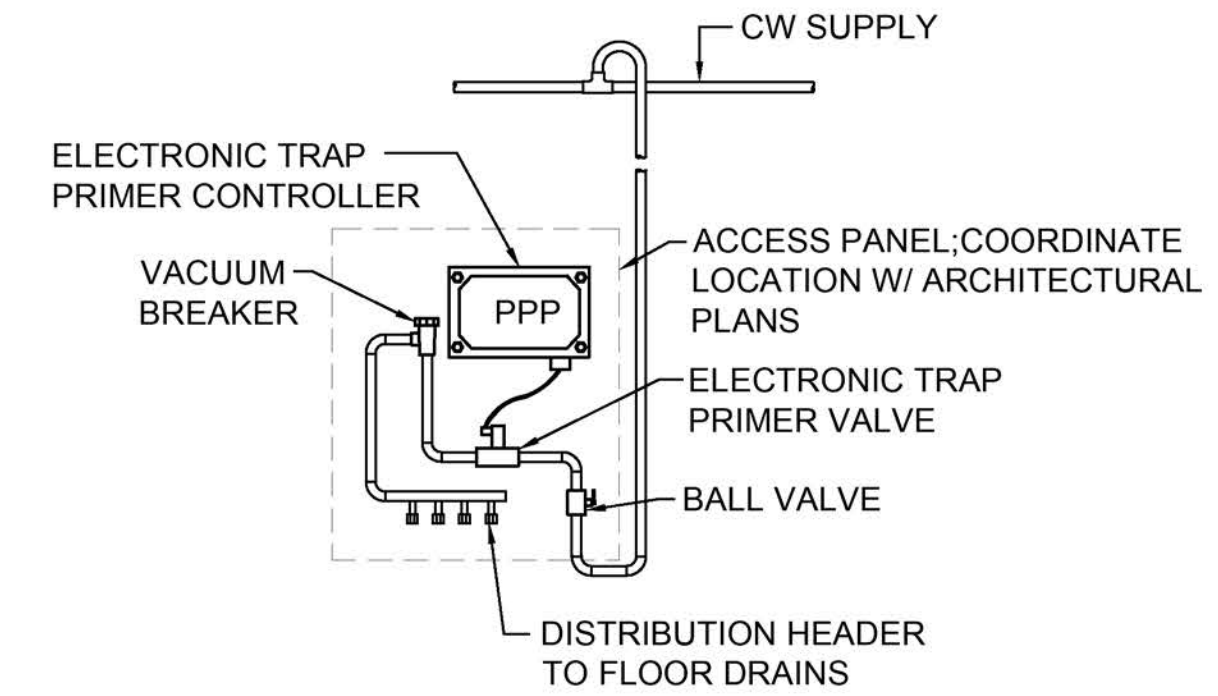
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2

VENT THROUGH ROOF DETAIL

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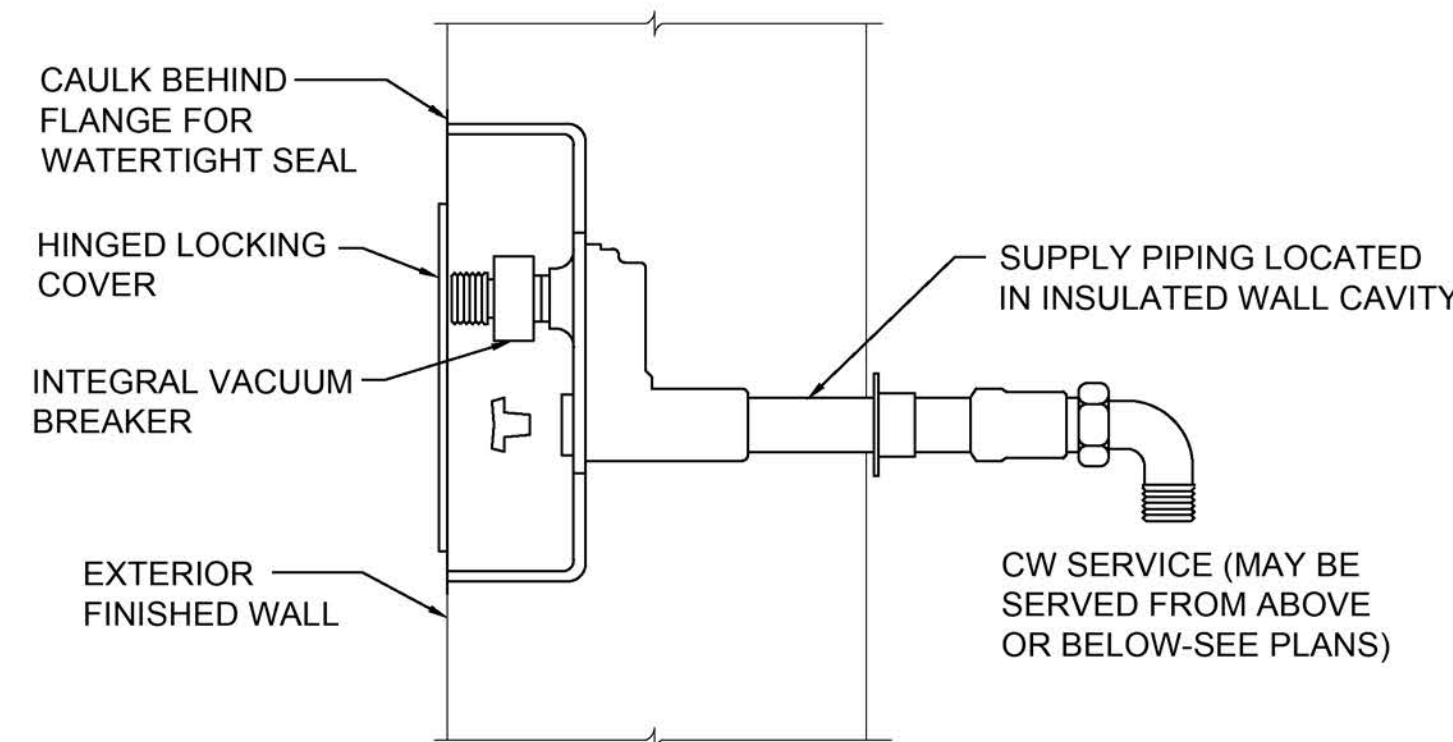
NOTES:

1. COLD WATER PIPING TO TRAP PRIMER SHALL BE OFFSET UP, THEN DOWN, PRIOR TO CONNECTING TO PRIMER ASSEMBLY.
2. COORDINATE POWER WITH ELECTRICAL.

3

ELECTRONIC TRAP PRIMER DETAIL

NOT TO SCALE



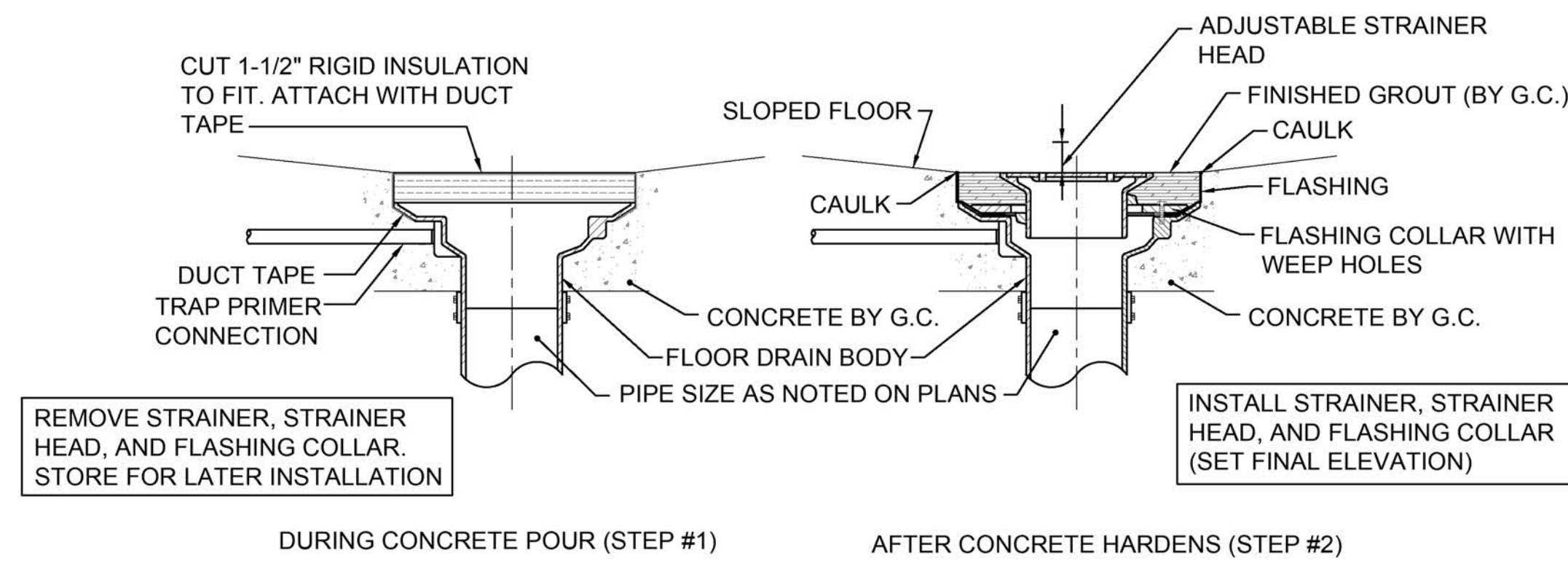
NOTE:

PROVIDE BALL VALVE AT ACCESSIBLE LOCATION TO SHUT OFF HOSE BIBB ONLY.

4

FREEZE PROOF WALL HYDRANT

NOT TO SCALE



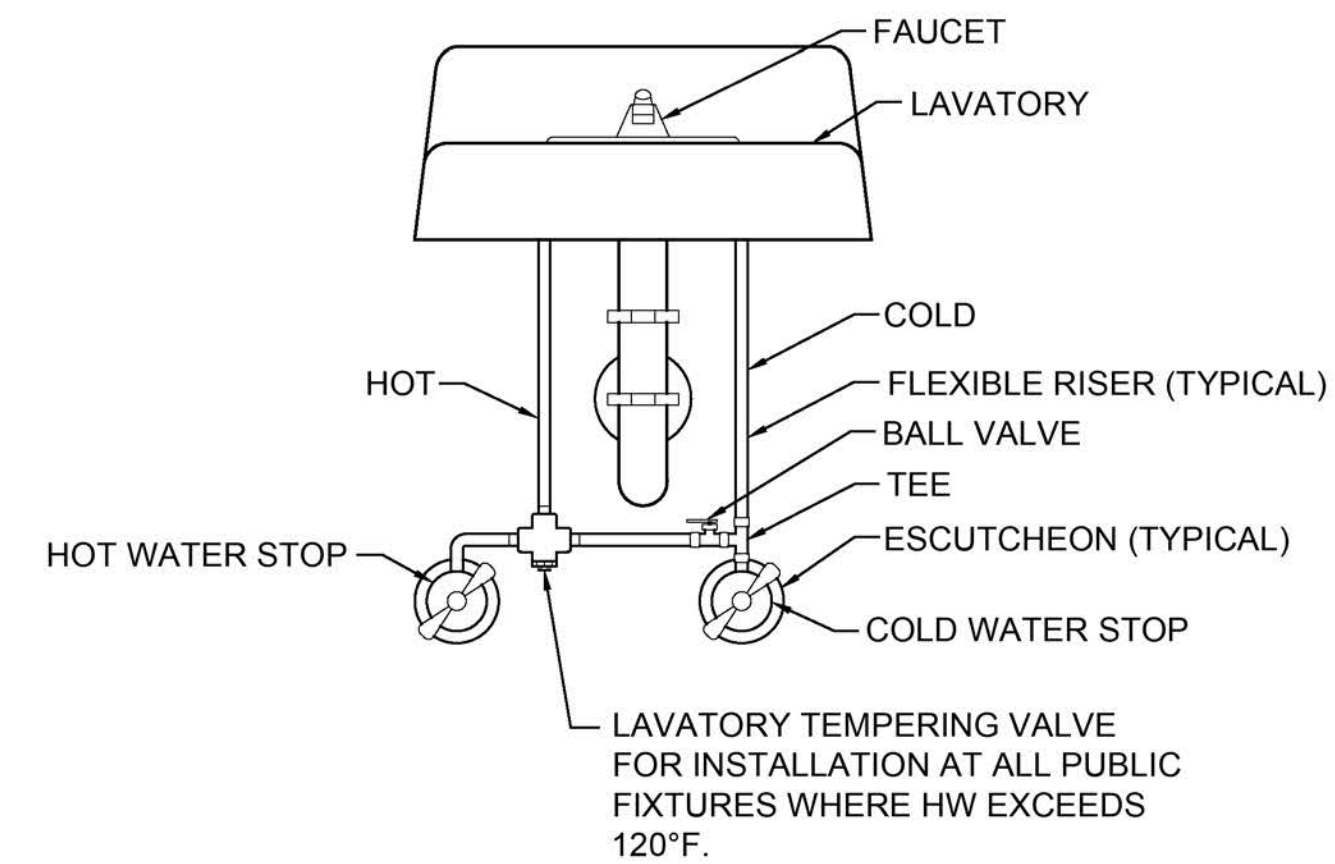
NOTES:

1. COMPLETE INSTALLATION OF FLOOR DRAIN AND SETTING OF FINAL ELEVATION WILL NOT BE ALLOWED DURING INITIAL CONCRETE POUR.
2. DO NOT ALLOW GROUT PENETRATE WEEP HOLES AND FILL UP TRAP.
3. IF ARCHITECT IS USING A WATER PROOF MEMBRANE SYSTEM THEN USE COLLAR TO CLAMP TO THAT MEMBRANE.

5

FLOOR DRAIN INSTALLATION

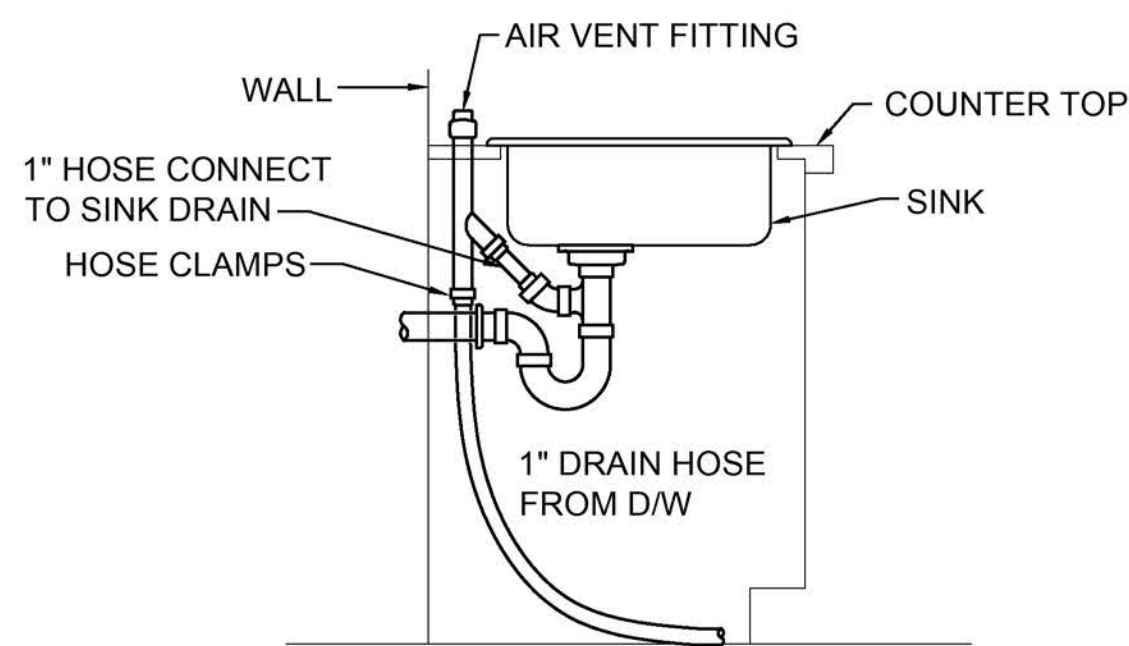
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6

LAVATORY SERVICES INSTALLATION

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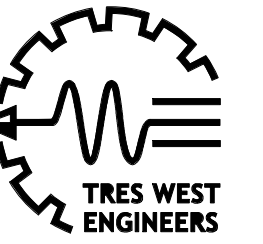


7

DISHWASHER DRAIN INSTALLATION

NOT TO SCALE

FREIHEIT
ARCHITECTURE



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NISQUALLY VOCATIONAL CENTER DESIGN LEVEL.

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11940 BILLY FRANK JR BLVD SE, OLYMPIA, WA 98513



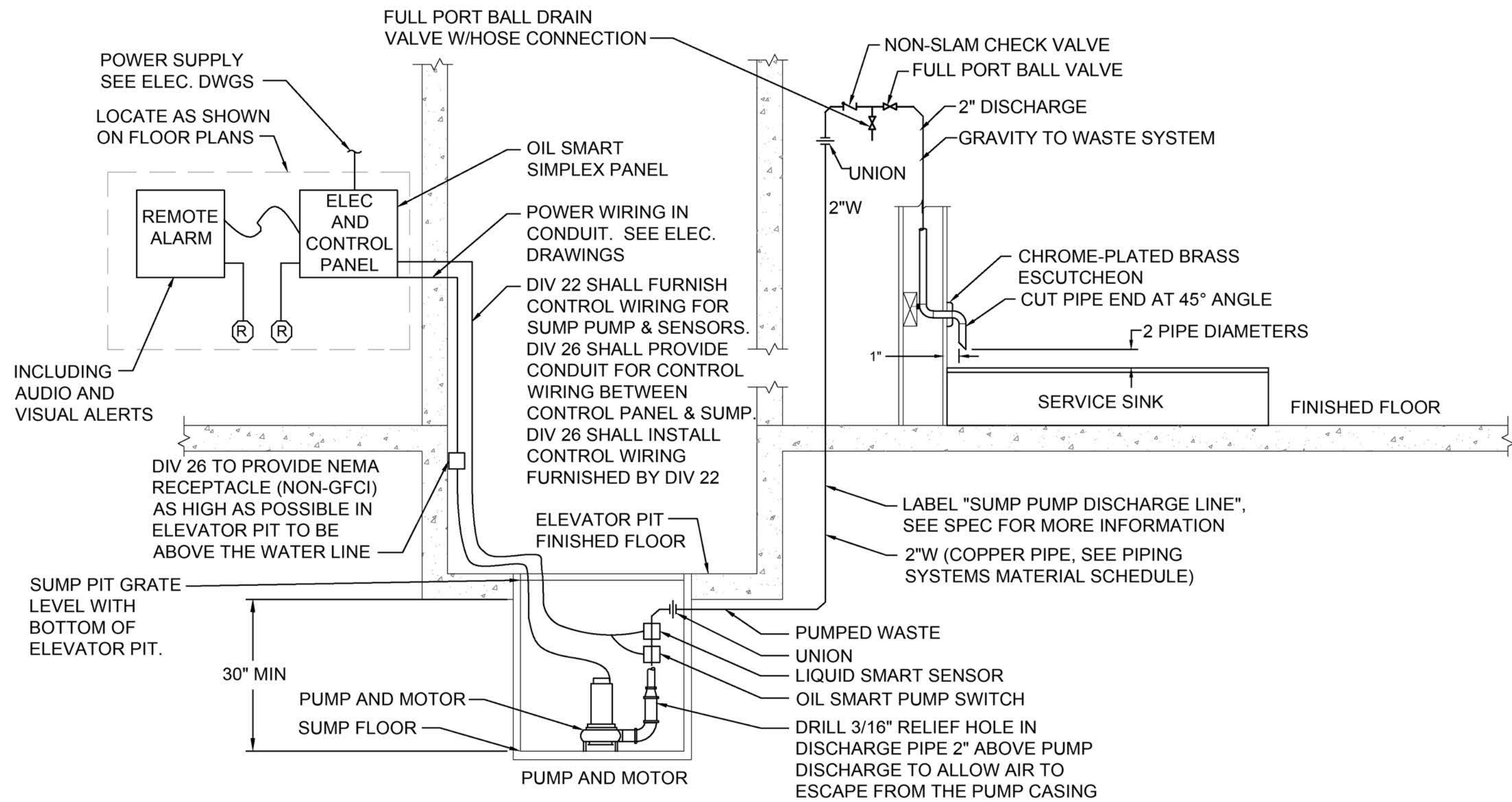
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PLUMBING
DETAILS

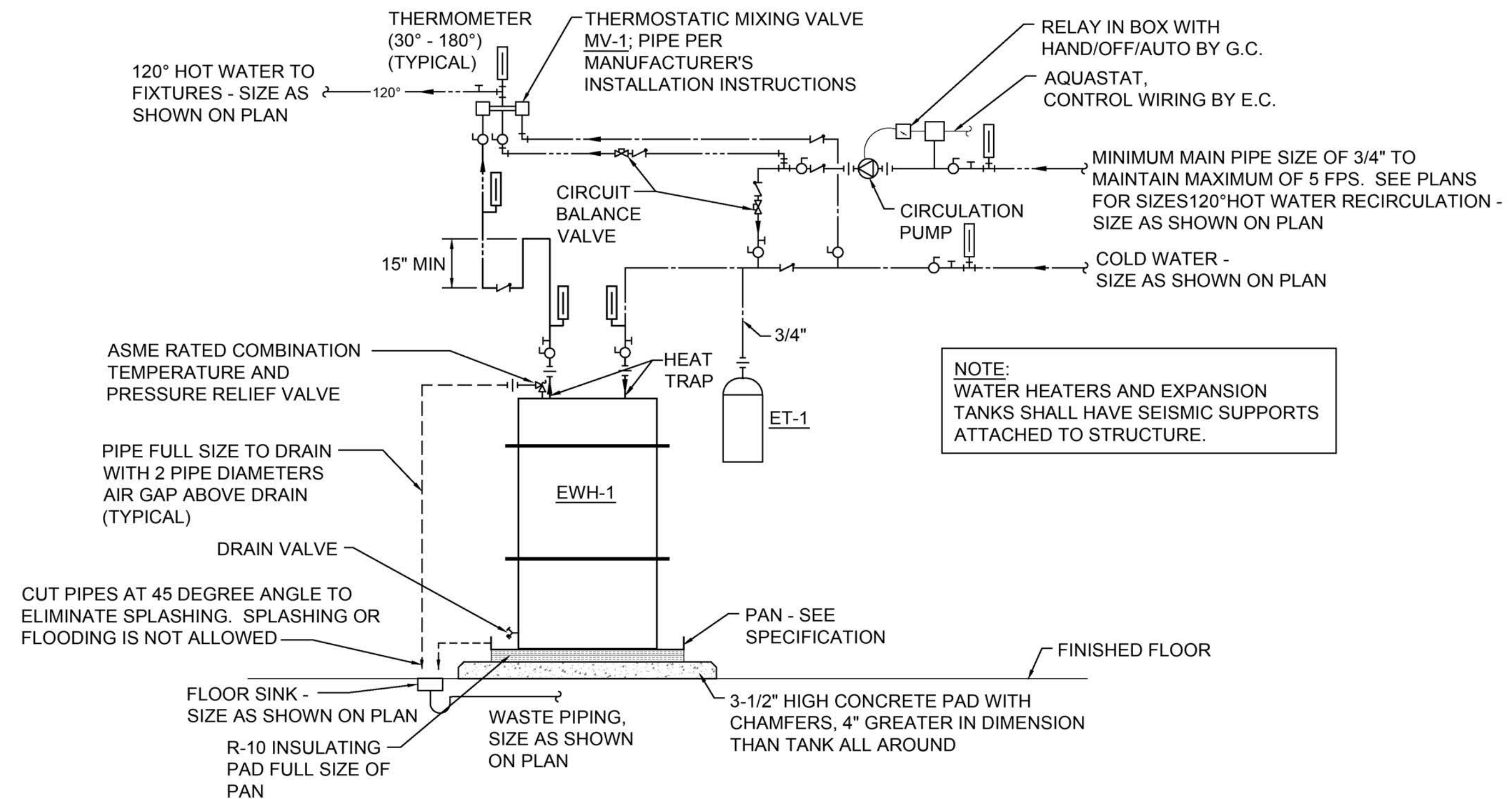
P0.04



- NOTES:
1. PROVIDE INDOOR/OUTDOOR NEMA 4X PUMP CONTROL PANEL ENCLOSURE.
 2. SEE SUMP PUMP SCHEDULE FOR MORE INFORMATION.
 3. USE DWV COPPER FITTINGS FOR PUMPED WASTE PIPING IN ELEVATOR PIT/SHAFT.
 4. PROVIDE WIRING CORD LENGTH TO SUIT INSTALLATION. A MAXIMUM OF 16 FT OF POWER CORD SHALL BE EXPOSED ABOVE THE PIT FLOOR TO THE RECEPTACLE. THE REMAINDER OF THE CORD SHALL BE COILED AND PLACED IN THE SUMP.

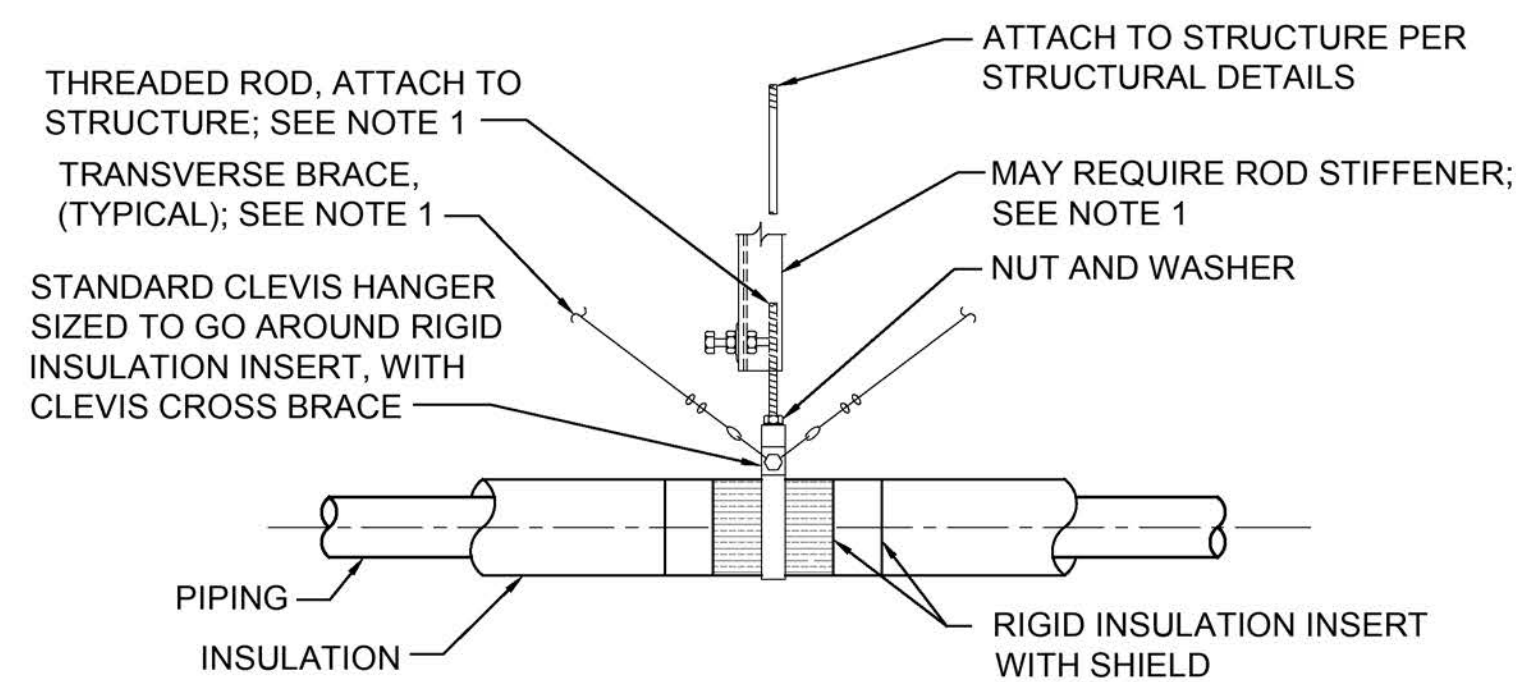
1 ELEVATOR SUMP PUMP DETAIL

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2 ELECTRIC WATER HEATER DETAIL

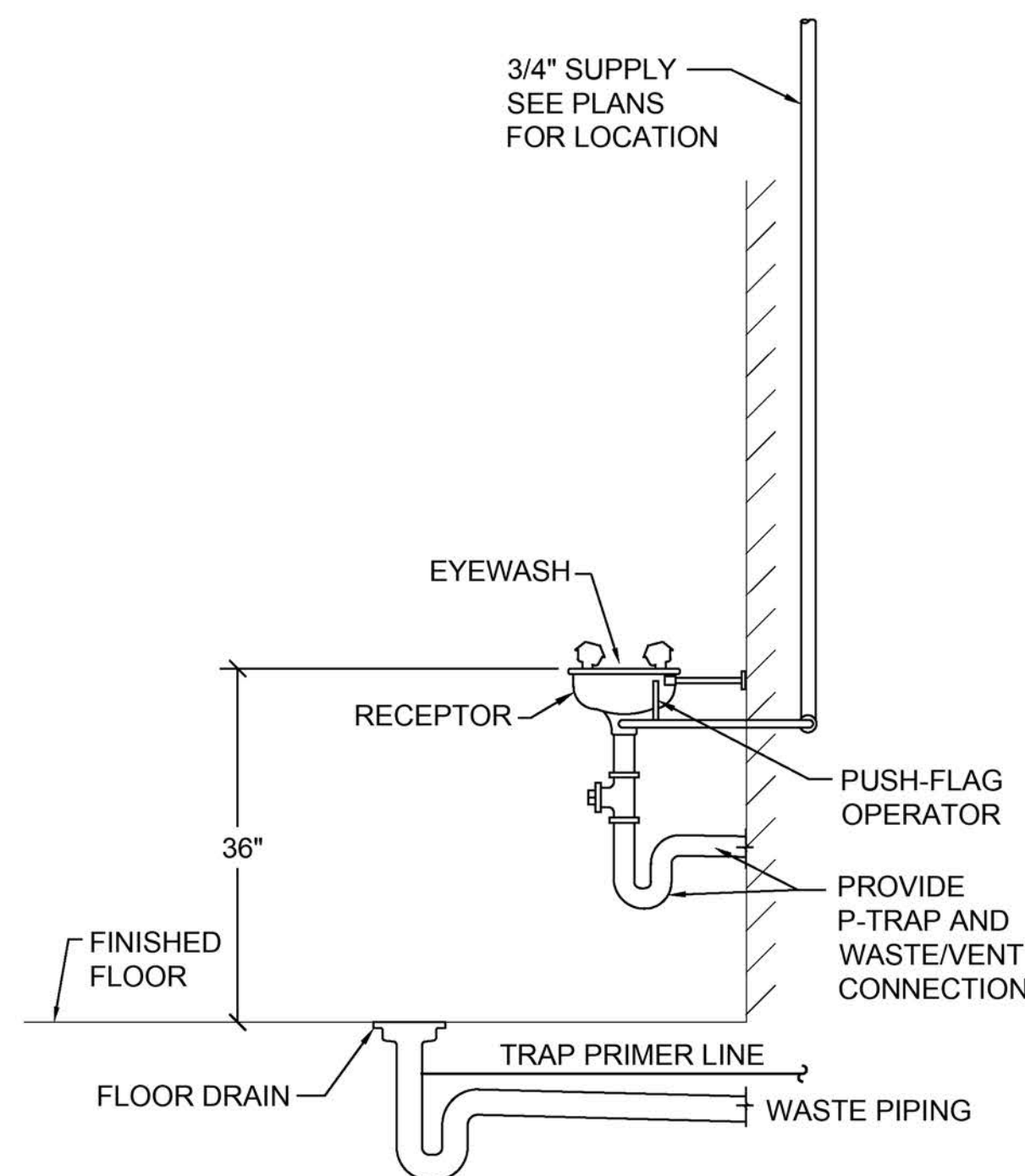
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- NOTES:
1. SEISMIC BRACING, RIGID OR CABLE, SIZE, SPACING, CABLE ANCHORAGE TO BE SPECIFIED BY MECHANICAL CONTRACTOR'S SEISMIC ENGINEER, FOLLOWING SMACNA RESTRAINT MANUAL.
 2. PROVIDE PIPE INSULATION IN ACCORDANCE WITH WASHINGTON STATE ENERGY CODE.

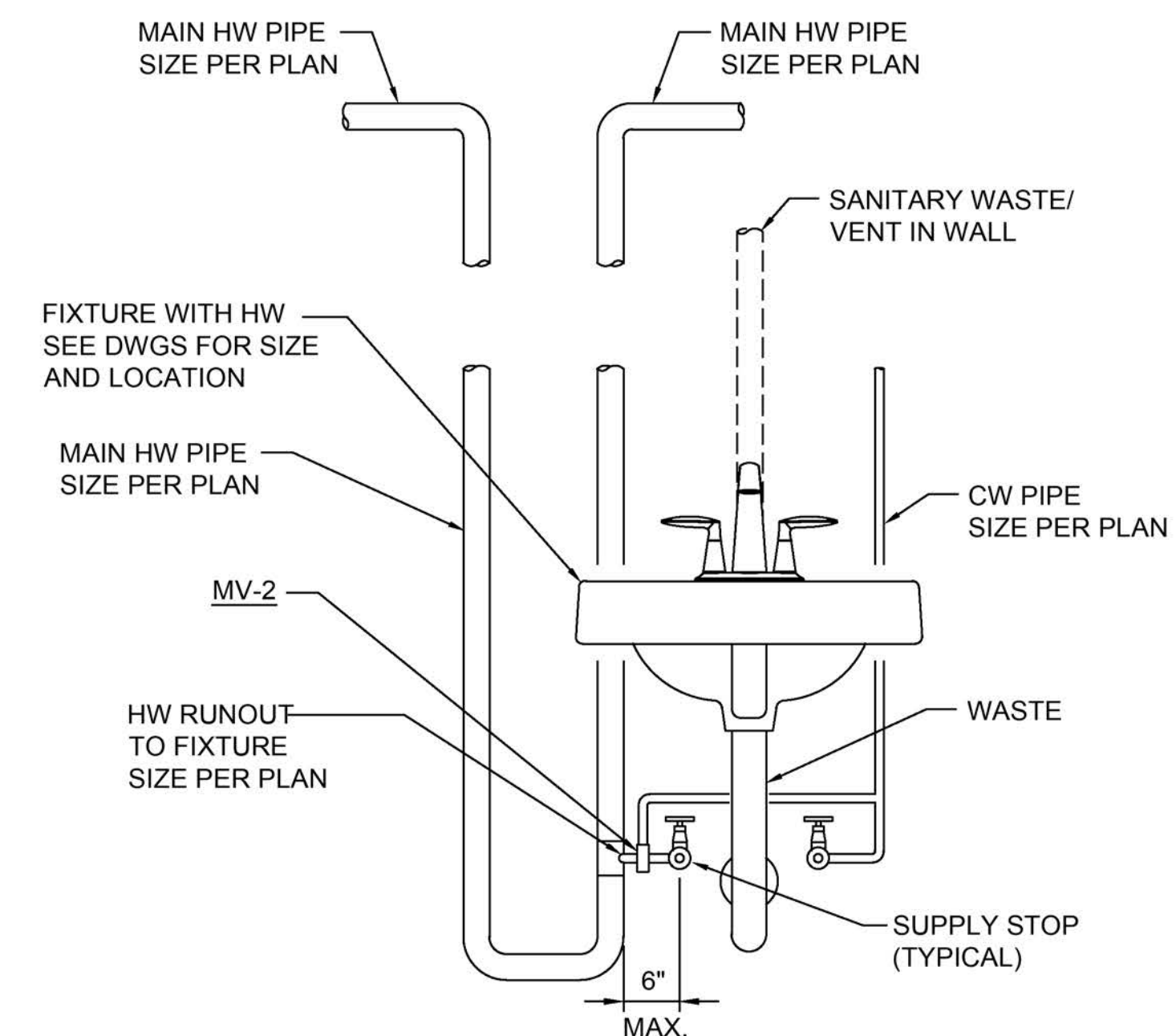
3 INSULATED PIPING INSTALLATION

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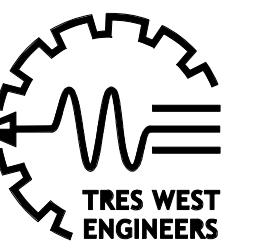
4 EMERGENCY EYE/FACE WASH DETAIL

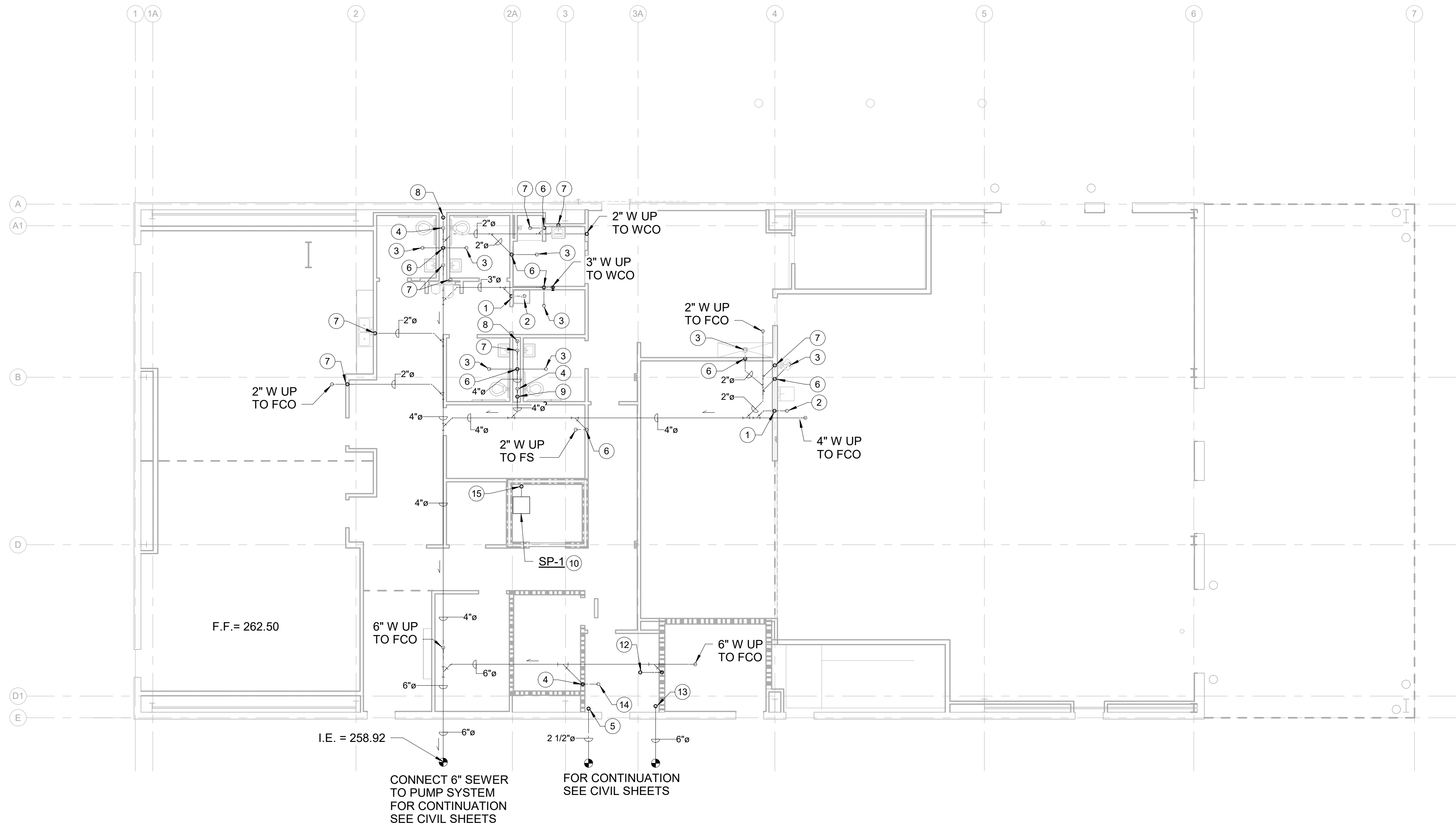
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5 HOT WATER PIPE TO LAVATORY DETAIL

NOT TO SCALE



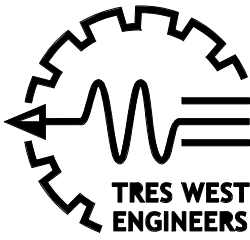


GENERAL NOTES

1. SLOPE ALL WASTE PIPING 1/4" PER FOOT UNLESS OTHER WISE NOTED.
2. VENT PIPING SHALL BE INSTALL IN ACCORDANCE WITH CHAPTER 9, VENT AND TABLE 1002.2 UPC FOR MAXIMUM/MINIMUM HORIZONTAL LENGTHS OF TRAP ARMS.
3. FOR ROUTING WASTE/VENT PIPING SEE WASTE/VENT RISER DIAGRAM SHEET P5.10.

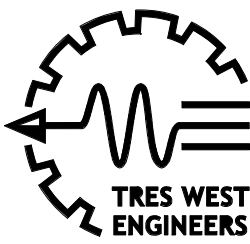
PLAN NOTES

- 1 3" W & 2" V UP.
- 2 3" W UP.
- 3 2" W UP TO FD.
- 4 4" W & 2" V UP.
- 5 2-1/2" CW UP TO WATER HEADER.
- 6 2" W & 2" V UP.
- 7 2" W UP.
- 8 4" W UP TO WCO.
- 9 4" W UP TO CEILING OF FIRST FLOOR.
- 10 24"X24"X 24" SUMP.
- 11 2" DISCHARGE UP. FOR CONTINUATION SEE SHEET 3.10.
- 12 6" W UP TO FIRE SPRINKLER TEST DRAIN.
- 13 6" FIRE SPRINKLER SERVICE UP. FOR CONTINUATION SEE SHEET 3.10.
- 14 4" W UP TO FS.
- 15 2" DISCHARGE UP. FOR CONTINUATION SEE SHEET P3.10.



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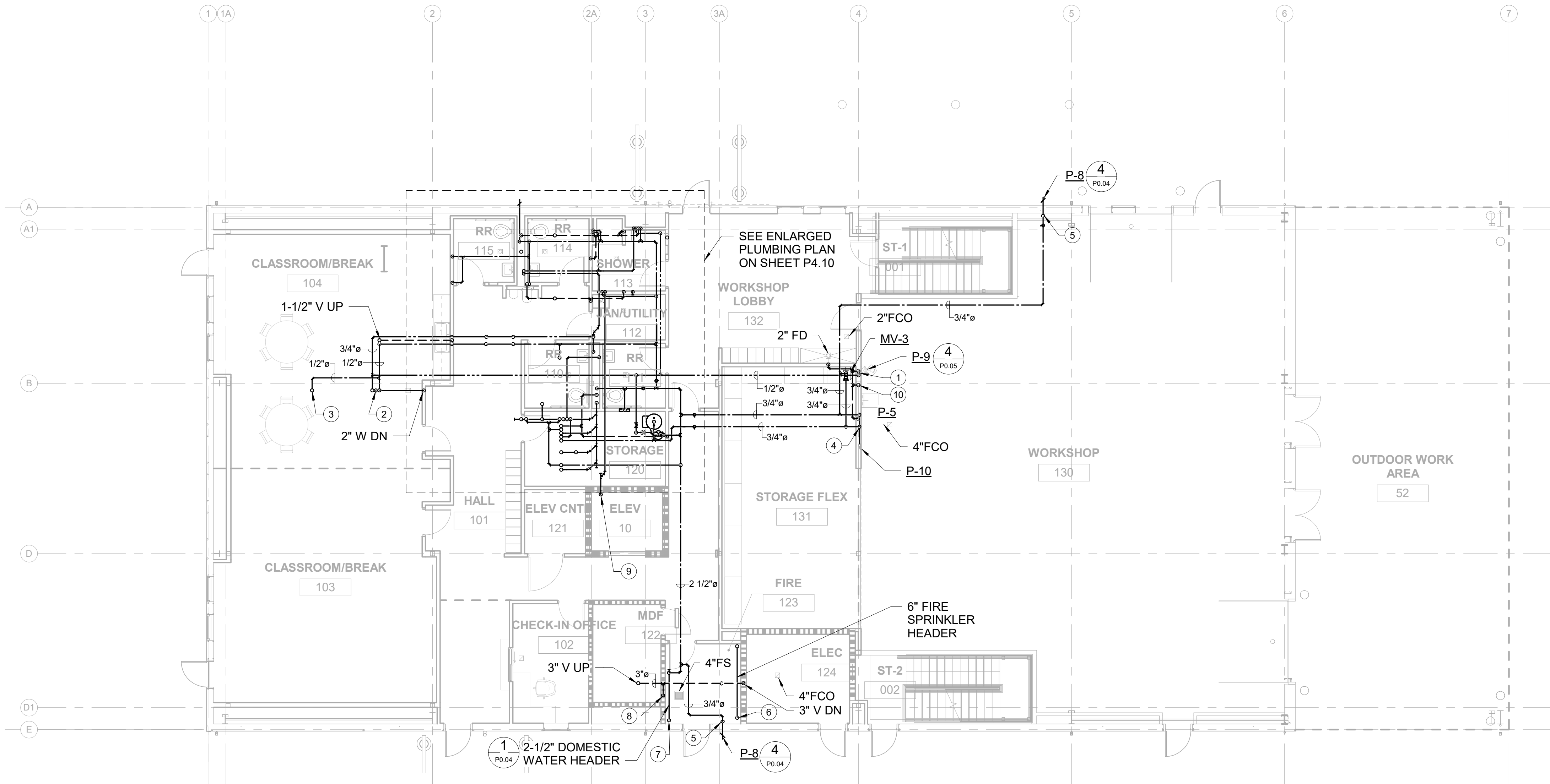


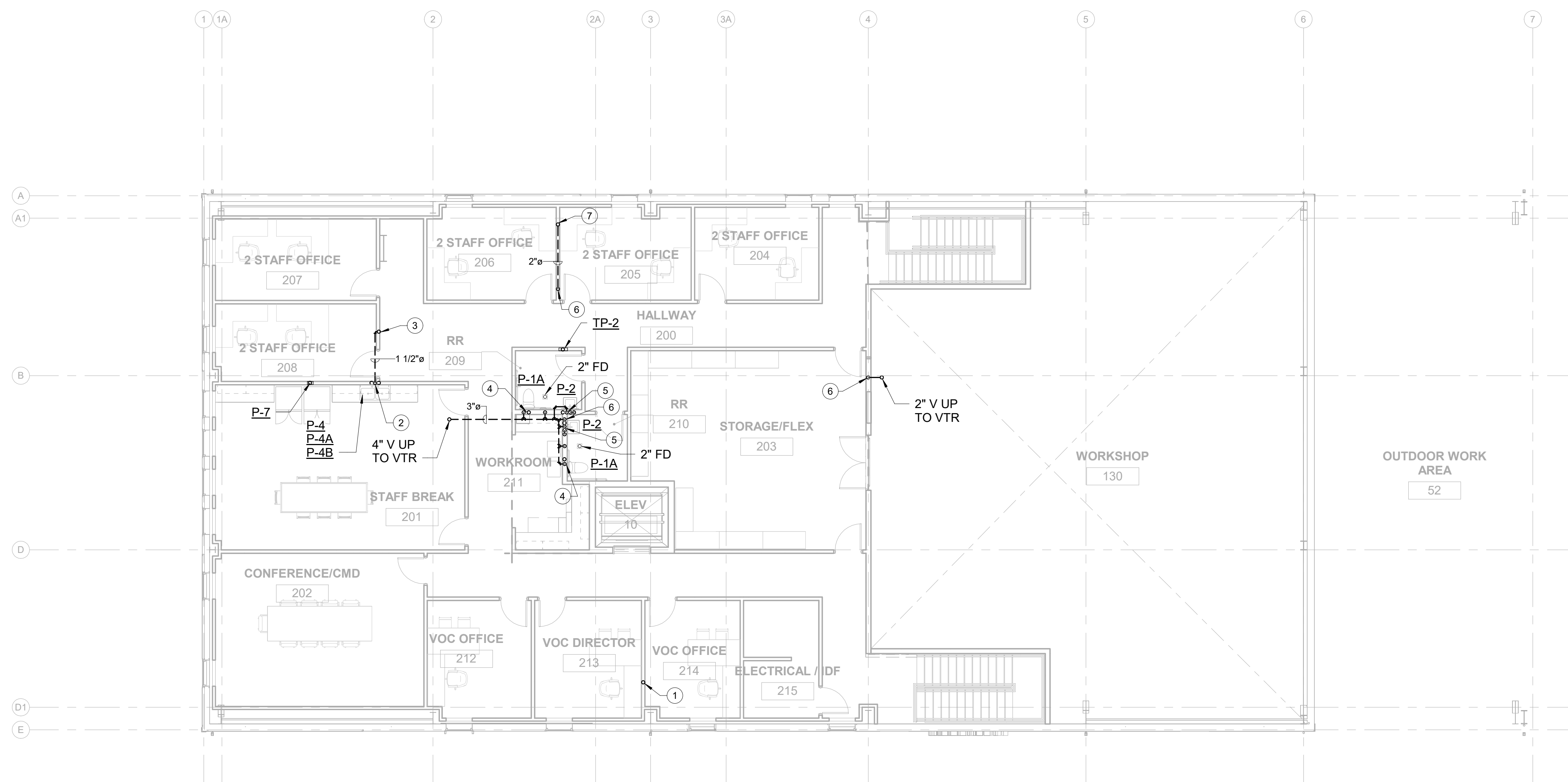
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PLAN NOTES

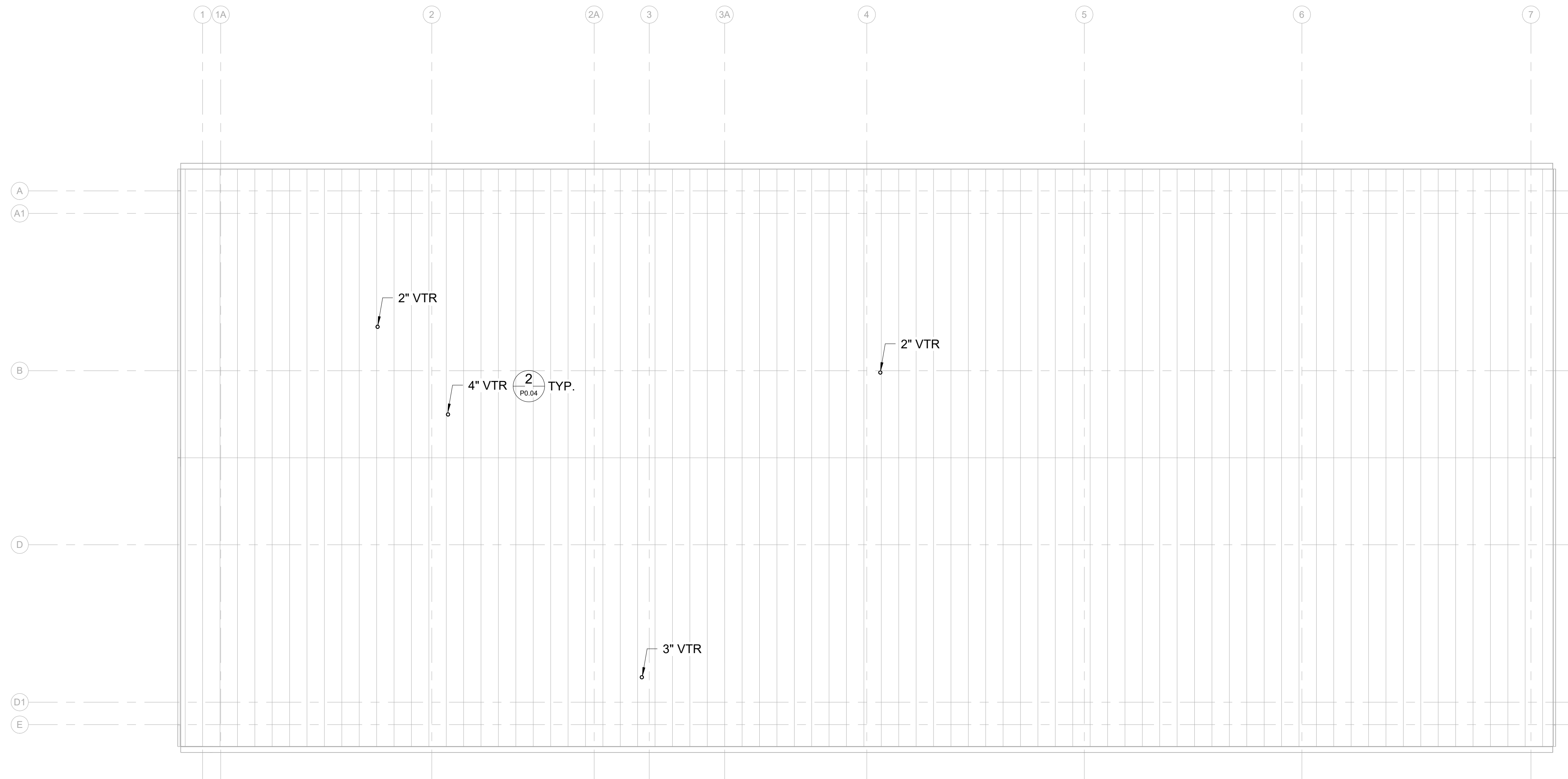
- 3/4" TEMPERED WATER & 1-1/2" V DN.
- 1/2" CW, 3/4" HW & 2" W UP. PROVIDE 1/2" HW, HAMMER ARRESTOR UNDER COUNTER TO DISHWASHER W/SHUT OFF VALVE AT STUBOUT.
- 1/2" CW UP TO P-7.
- 3/4" CW, HW & 2" V DN. PROVIDE 3/4" CW, HW TO P-10.
- 3/4" CW DN.
- 6" FIRE SPRINKLER SERVICE DN. FOR CONTINUATION SEE SHEET P3.00.
- 2-1/2" DOMESTIC WATER SERVICE DN. FOR CONTINUATION SEE SHEET P3.00.
- 2" V DN.
- 2" DISCHARGE FROM SP-1.
- 2" V DN & UP.



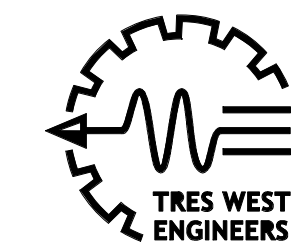
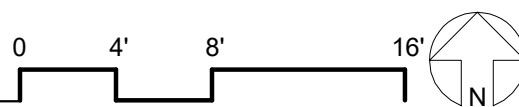


PLAN NOTES

- ① 3" V DN & UP TO VTR.
- ② 1/2" CW, 3/4" HW DN AT FLOOR LEVEL. 1-1/2" V DN.
- ③ 1-1/2" V DN & 2" V UP TO VTR.
- ④ 1-1/2" CW DN AT FLOOR LEVEL. 2" V DN
- ⑤ 1/2" CW, 1-1/2" V DN. 1-1/4" HW UP & DN FROM HW LOOP. LOOP HW WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. SEE DETAIL 5/P0.05.
- ⑥ 2" V DN.
- ⑦ 2" V DN & 3" V UP TO VTR.



1 ROOF PLAN
P3.21 Scale: 1/8" = 1'-0"



NISQUALLY VOCATIONAL CENTER DESIGN DEVEL.

ADDRESS TBD
11940 BILLY FRANK JR BLVD SE, OLYMPIA, WA 98513

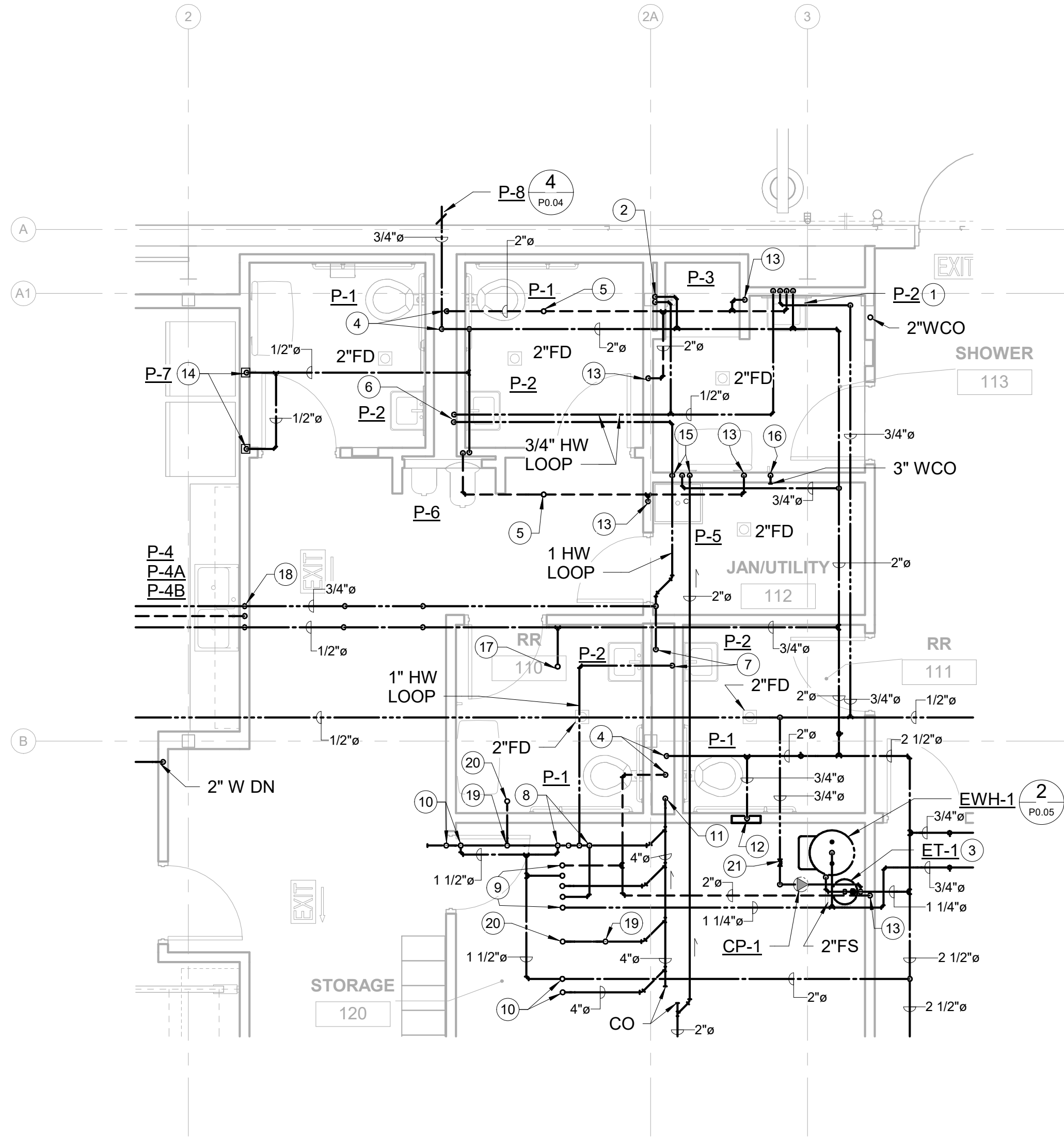


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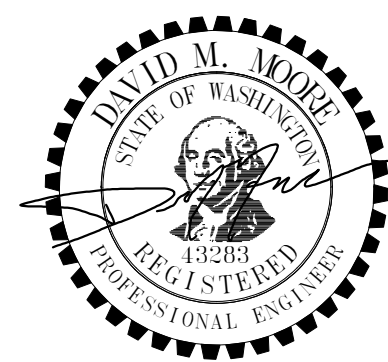
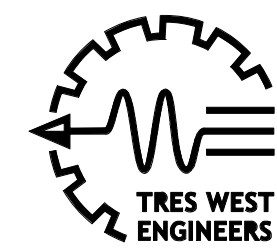
ISSUE LIST

PLAN NOTES

- 1/2" CW & 1-1/2" V DN. 1/2" HW UP & DN FROM HW LOOP. LOOP HW WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. SEE DETAIL 5/P0.05.
- 1/2" CW, HW DN.
- 3/4" CW DN.
- 2" CW & 2" V DN. ROUTE FULL SIZE PIPING IN CHASE TO ADJACENT PLUMBING FIXTURES. SEE PLUMBING FIXTURE SCHEDULE FOR RUNOUT SIZES.
- 2" V UP.
- 3/4" HW UP & DN FROM HW LOOP. LOOP HW WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. SEE DETAIL 5/P0.05.
- 1" HW UP & DN FROM HW LOOP. LOOP HW WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. SEE DETAIL 5/P0.05.
- 2" W & 1/2" CW UP. 1" HW UP & DN FROM HW LOOP. LOOP HW WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. SEE DETAIL 5/P0.05.
- 2" W, 1/2" CW & 2" V UP. 1-1/4" HW UP & DN FROM HW LOOP. LOOP HW WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. SEE DETAIL 5/P0.05.
- 1-1/2" CW & 4" W UP.
- 4" W DN.
- 3/4" CW DN TO TP-1.
- 2" V DN.
- 1/2" CW DN TO P-7.
- 3/4" CW, HW DN. 2" DISCHARGE FROM ELEVATOR SUMP PUMP DN. TERMINATE PIPING ABOVE MOP SINK.
- 3" W DN.
- 3/4" CW UP TO TP-2.
- 1/2" CW, 3/4" HW & 1-1/2" V DN. PROVIDE 1/2" HW, HAMMER ARRESTOR UNDER COUNTER TO DISHWASHER W/SHUT OFF VALVE AT STUBOUT.
- 2" W & 2" V UP.
- 2" W UP TO FD.
- THERMOSTATIC BALANCING VALVE.



1 FIRST FLOOR ENLARGED PLAN - PLUMBING
P4.10 Scale: 1/4" = 1'-0"

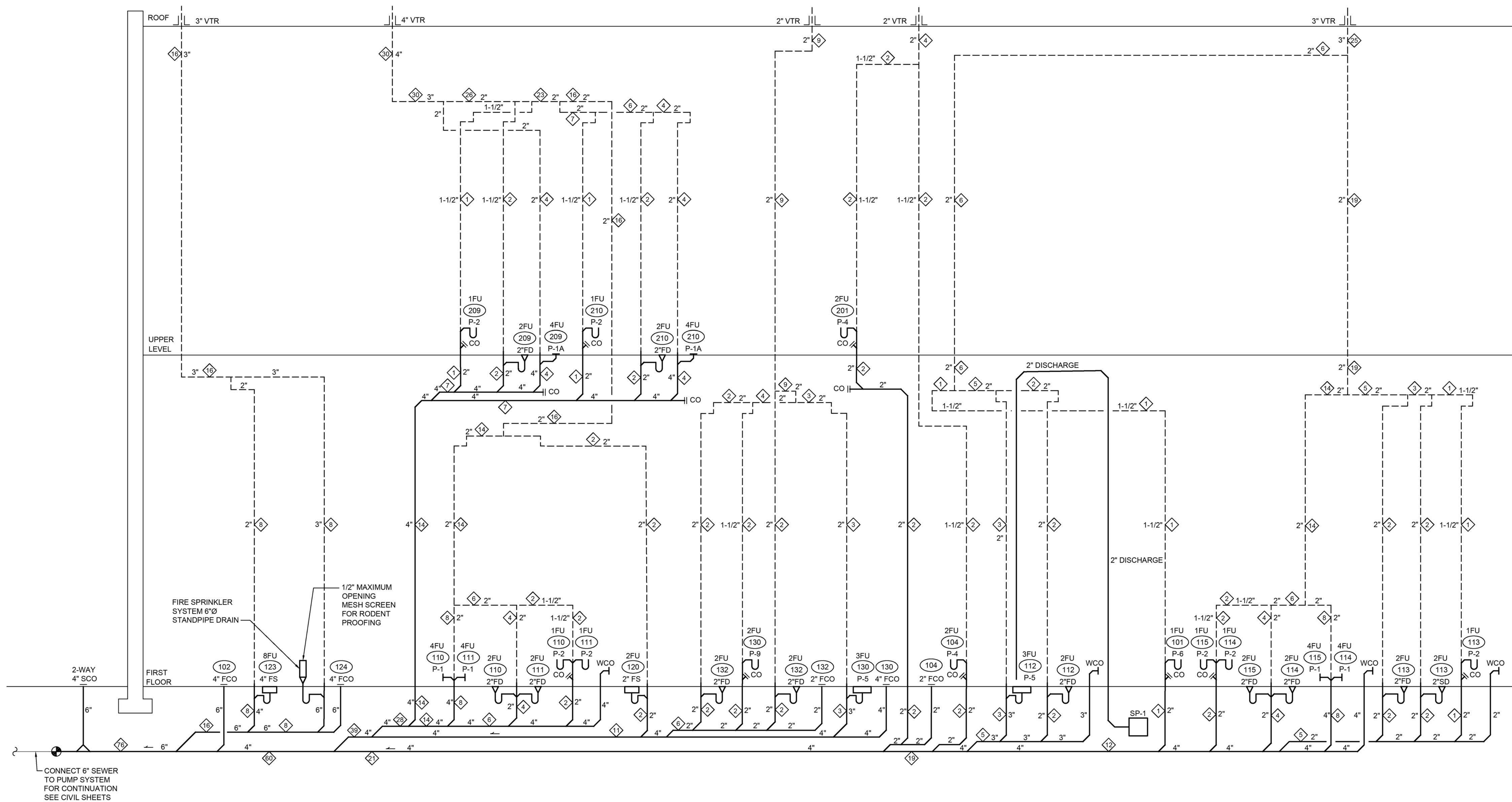


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ISSUE LIST

GENERAL NOTES

1. RISER DIAGRAM WASTE/VENT DRAINAGE FIXTURE UNITS NOTED AS $\diamond$ #
2. ROOM NAME INDICATED AS #
3. VENT PIPES MUST RISE 6" HIGHER THAN FLOOD RIM OF PLUMBING FIXTURE BEFORE HORIZONTAL RUN TO COMBINE PER UPC 905.3
4. SLOPE ALL WASTE PIPING AT MINIMUM 1/4" PER FOOT UNLESS OTHER WISE NOTED.

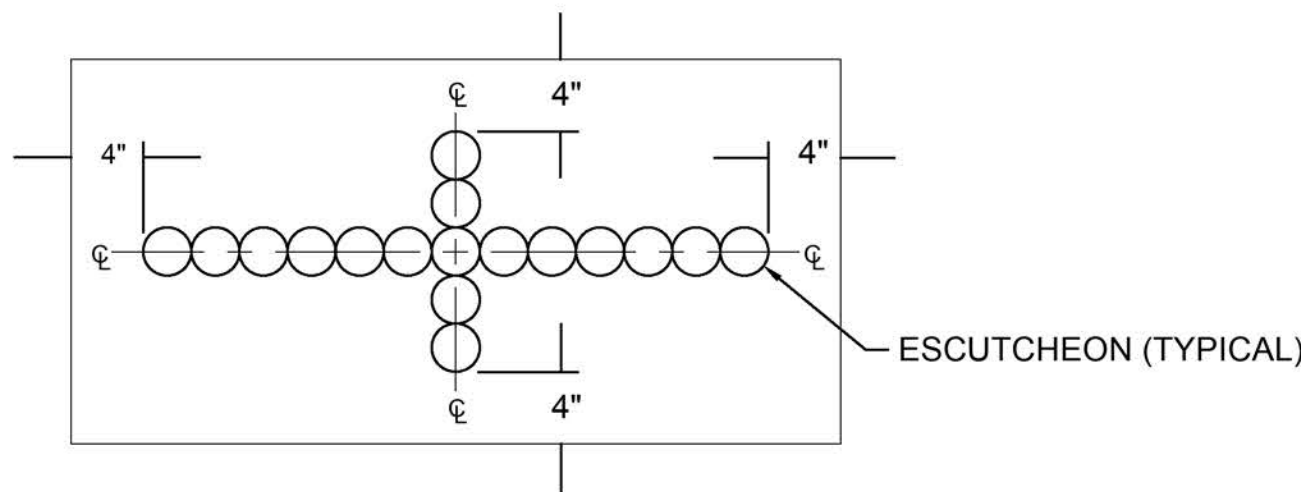


1 WASTE AND VENT RISER DIAGRAM
DIAGRAMMATIC

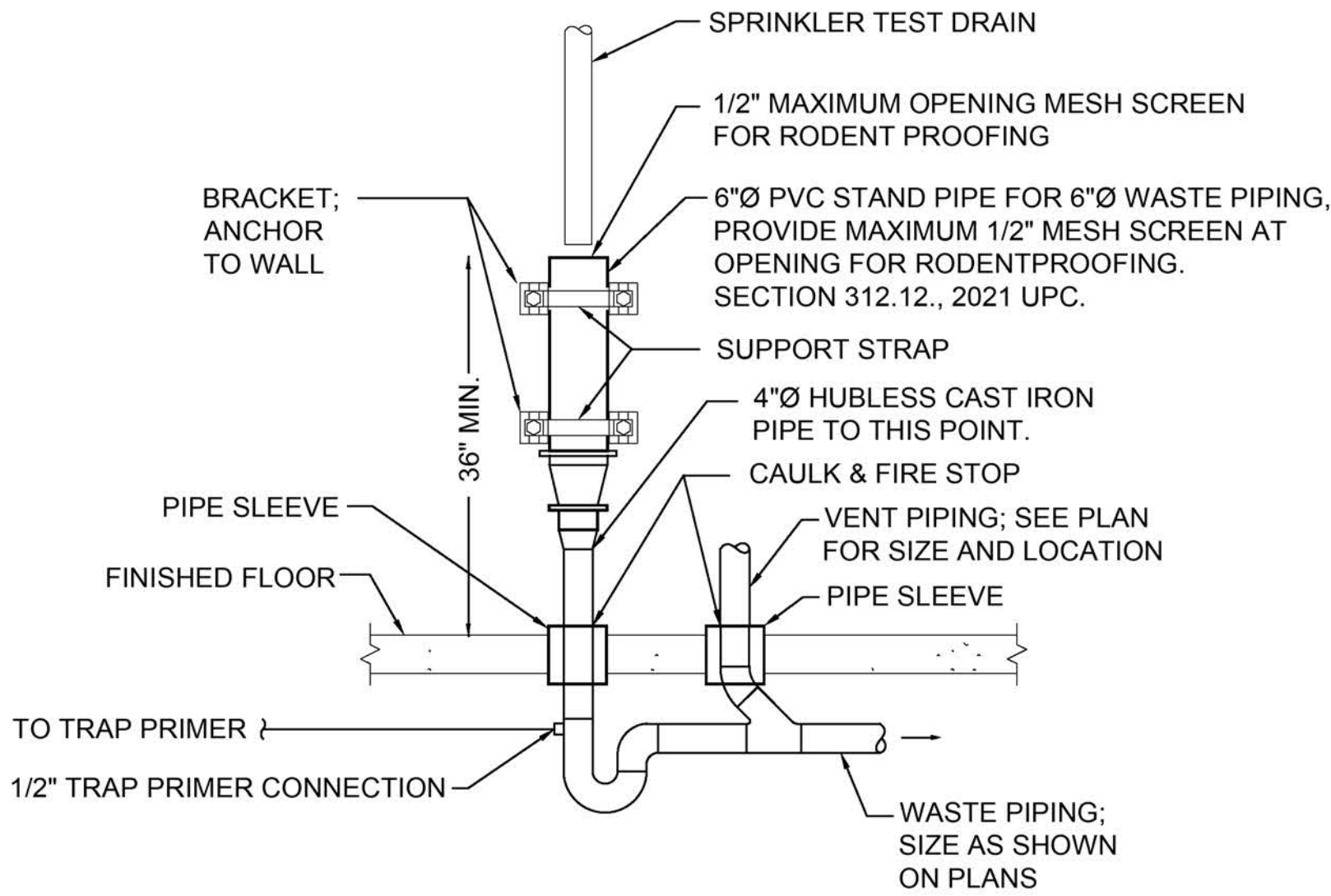
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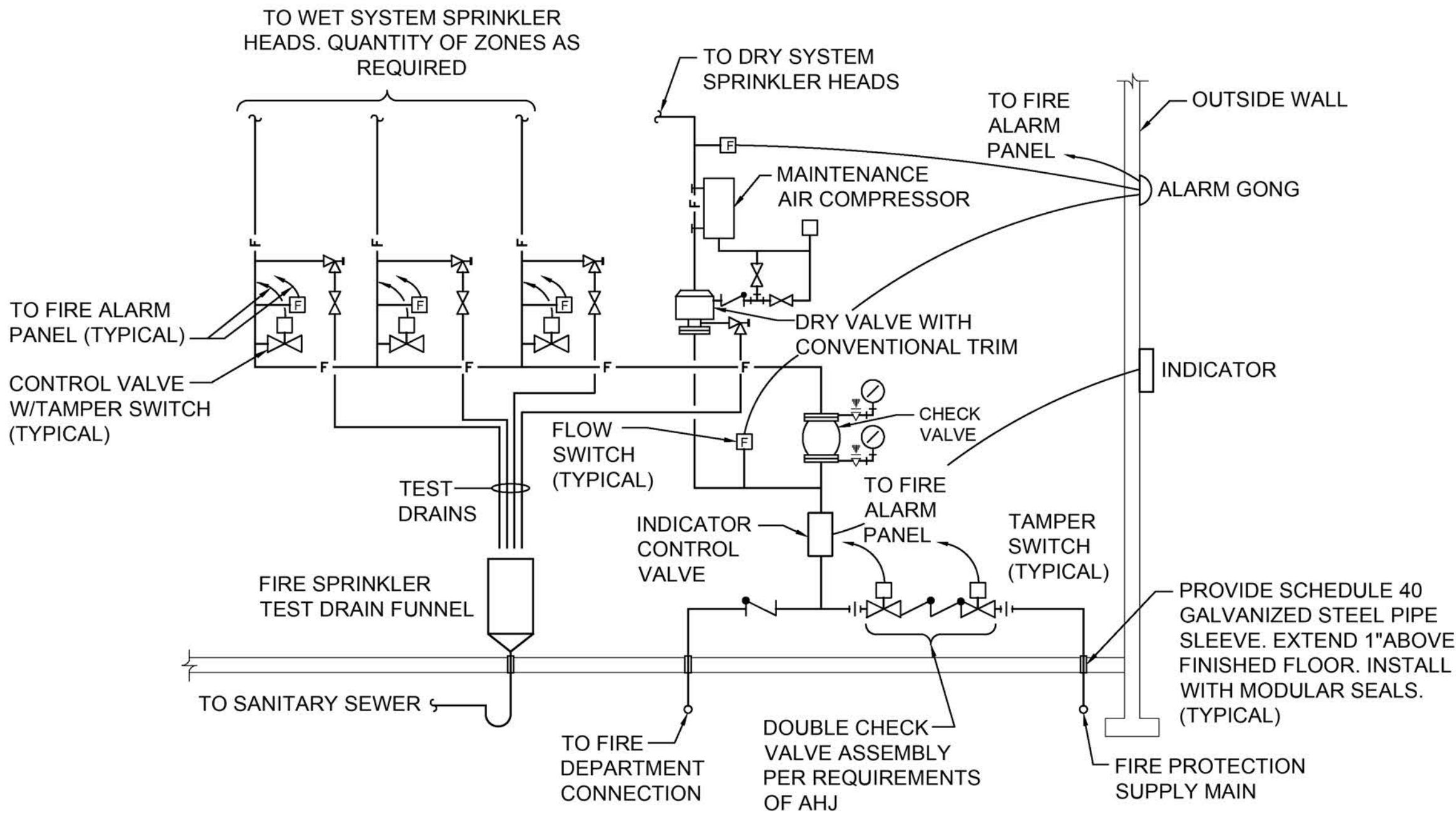
1. THE HEADS SHALL BE LOCATED ON THE CENTERLINE AXIS OF EITHER THE LONG OR SHORT SIDE DIMENSION [SEE DETAIL BELOW], WITH THE HEAD CANOPY A MINIMUM OF 4" FROM EDGE OF PANEL.
2. IN ROOMS WHERE MULTIPLE HEADS ARE NEEDED, HEADS SHALL BE LINED UP, NOT IN RANDOM PATTERN.
3. DUCTWORK, AIR TERMINALS AND LIGHTING LOCATIONS TAKE FIRST PRIORITY OVER FIRE SPRINKLING SYSTEM. COORDINATION SHALL BE FIRE SPRINKLER CONTRACTOR'S RESPONSIBILITY.
4. SYSTEM DRAINAGE POINTS MUST BE CAREFULLY COORDINATED WITH ARCHITECT. IF NOT COORDINATED, FIRE SPRINKLER CONTRACTOR SHALL REMOVE AND REWORK LOCATIONS TO ARCHITECT'S SATISFACTION.
5. HEADS MUST BE LOCATED IN SUCH A MANNER THAT HEAT FROM A DIFFUSER, DUCT, FLUE, KILN, HYDRONIC PIPE, ENGINE EXHAUST, OR OTHER HEAT GENERATING DEVICE, WILL NOT SET OFF THE FIRE PROTECTION SYSTEM.



1 CEILING PANEL FIRE SPRINKLER HEAD LOCATIONS
SCALE: NOT TO SCALE



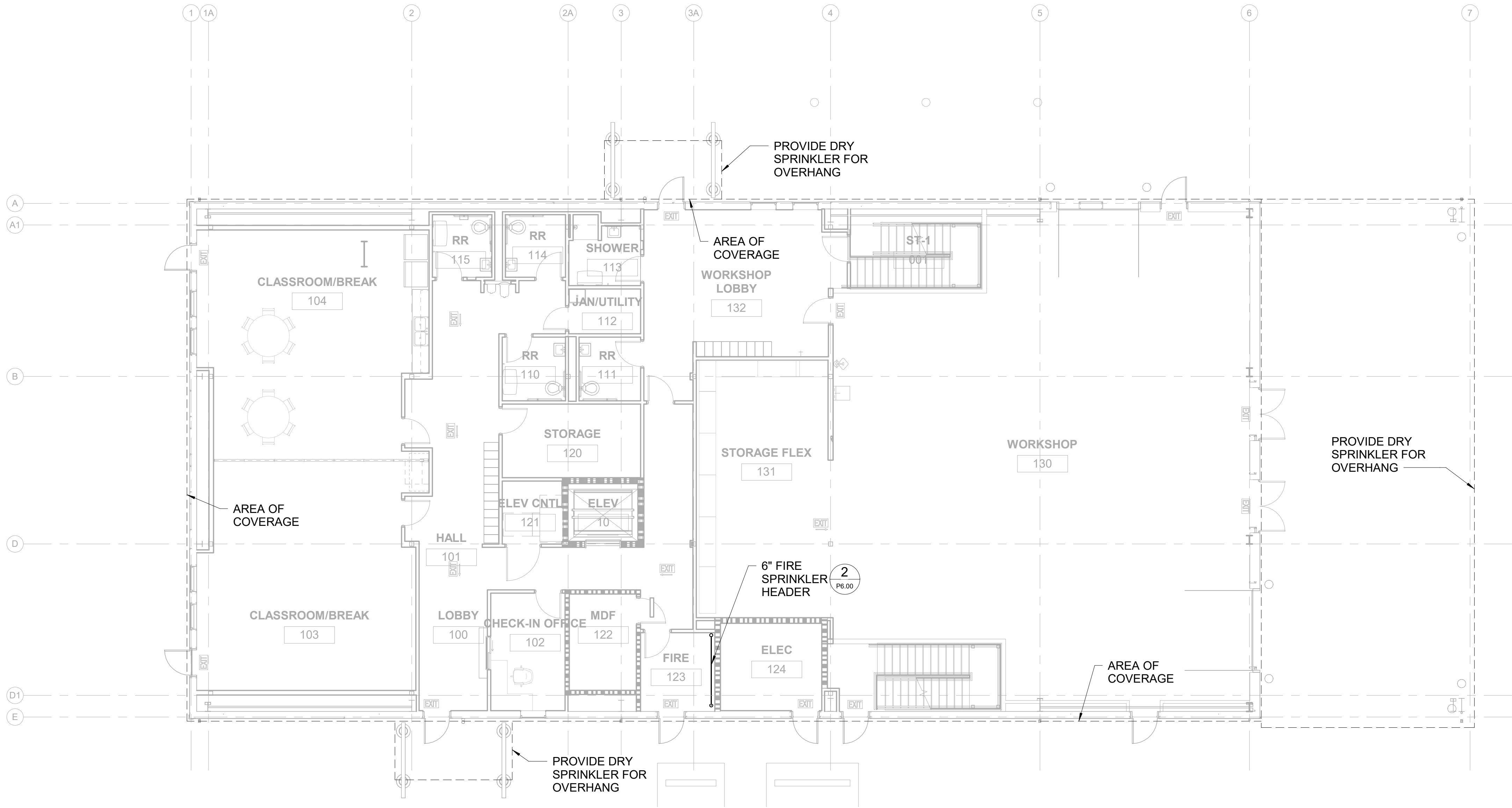
3 FIRE SPRINKLER HEADER FUNNEL DRAIN
SCALE: NOT TO SCALE



NOTES:

1. PROVIDE PIPE SUPPORTS AND ANCHORS AS REQUIRED TO SUPPORT ENTIRE VALVE ASSEMBLES.
2. THIS DIAGRAM IS PRESENTED AS AN AID TO CONTRACTOR. IT DOES NOT RELIEVE CONTRACTOR FROM MEETING ALL REQUIREMENTS OF NFPA 13 AND LOCAL AUTHORITIES.

2 FIRE SPRINKLER RISER DIAGRAM
SCALE: NOT TO SCALE

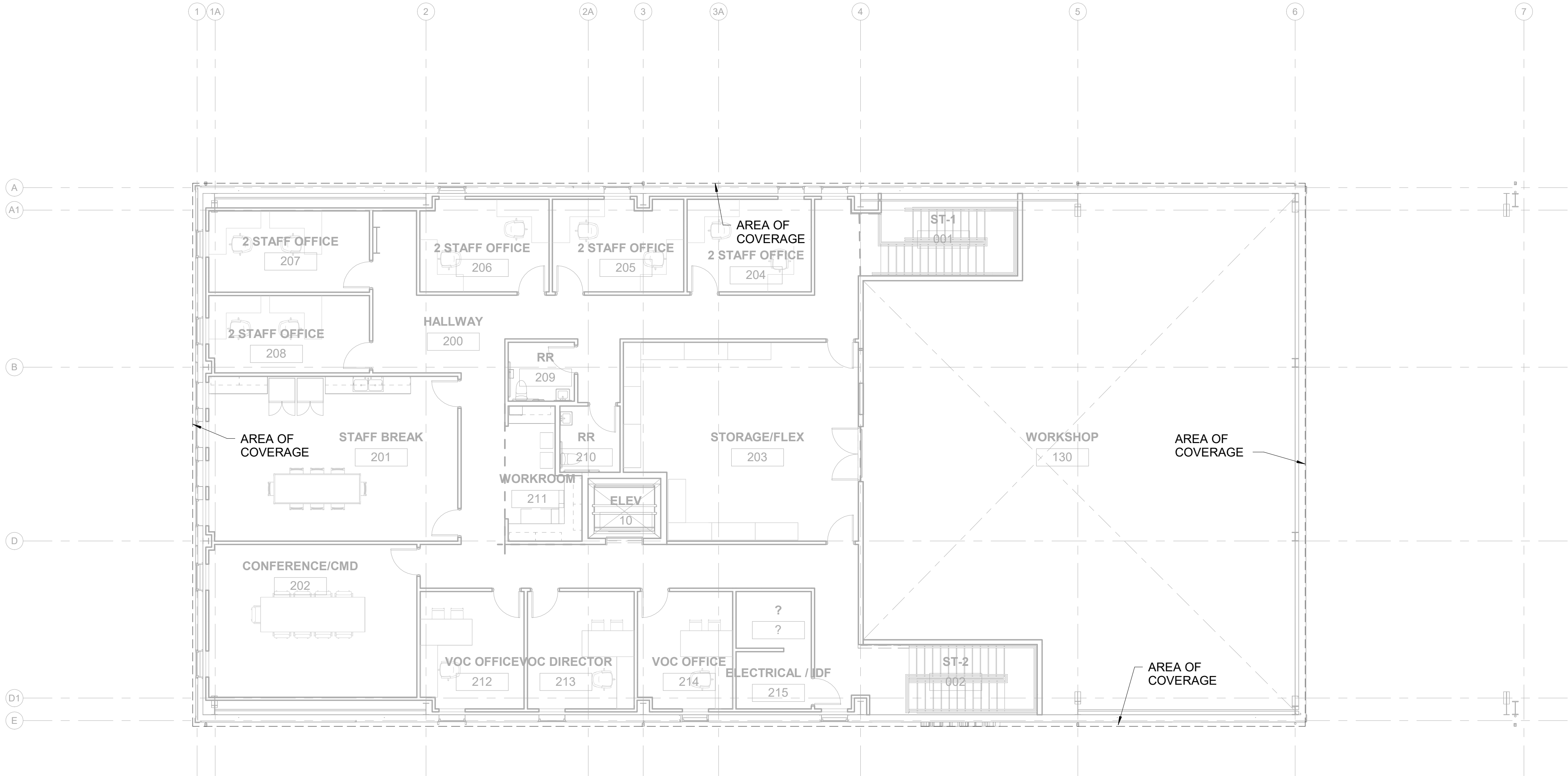


1 FIRST FLOOR PLAN - FIRE PROTECTION
P6.10 Scale: 1/8" = 1'-0"



9-18-2026

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1 SECOND FLOOR PLAN - FIRE PROTECTION
P6.11 Scale: 1/8" = 1'-0"

