

BSA HOSPITAL PET/CT INFILL

1600 WALLACE BLVD
AMARILLO, TEXAS 79106

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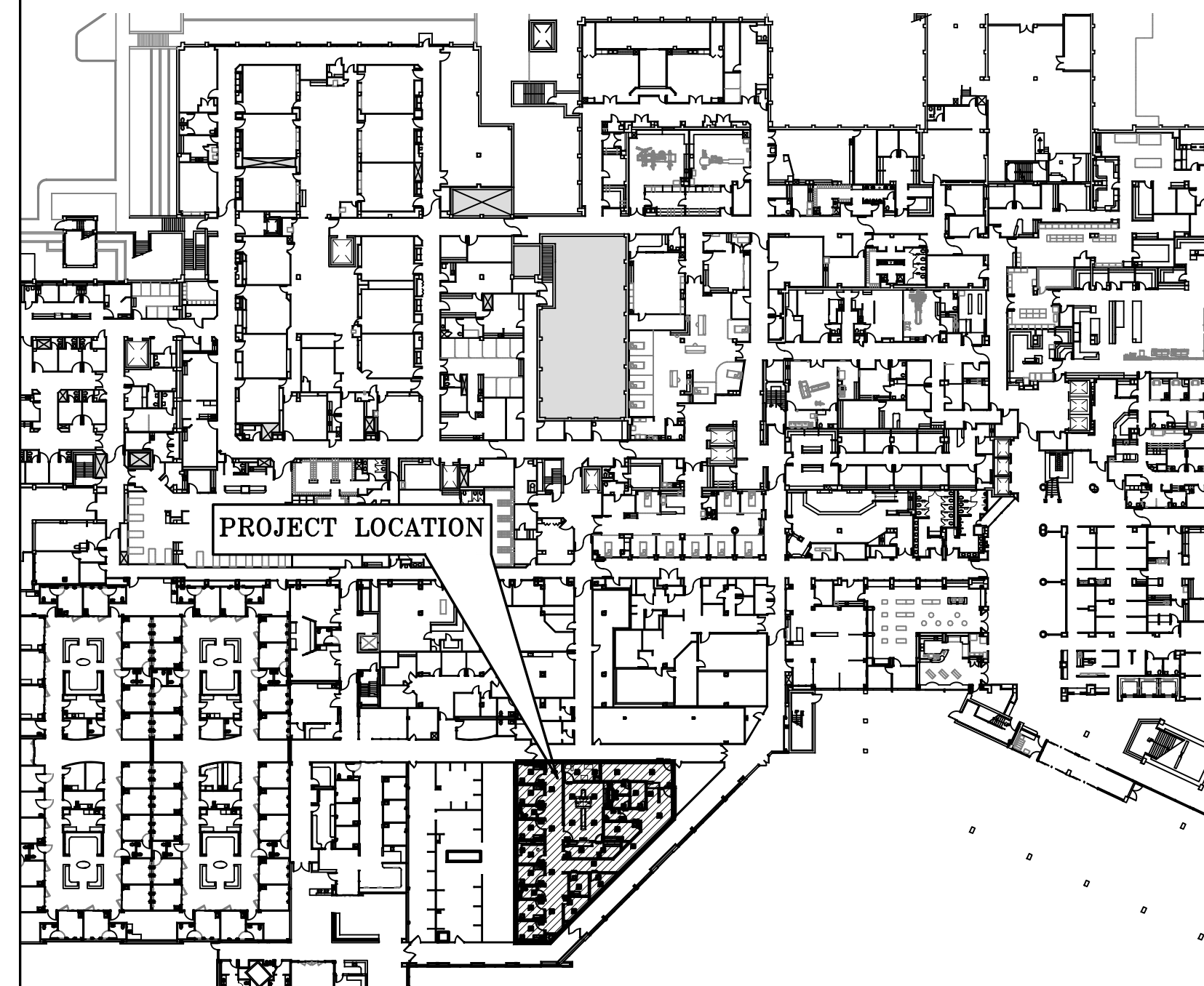
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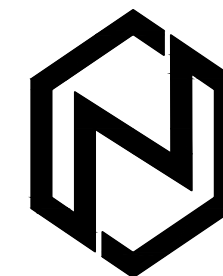
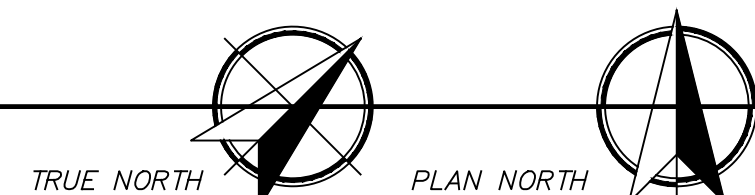
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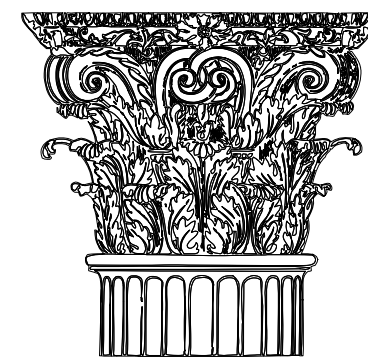
BSA FIRST FLOOR REFERENCE PLAN

NOT TO SCALE



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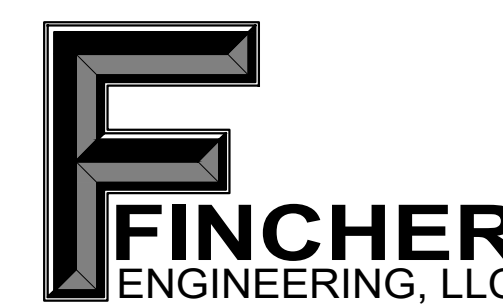
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BSA HOSPITAL
PET/CT INFILL

CDG PROJ NO. 22418
DATE: 03/14/2025

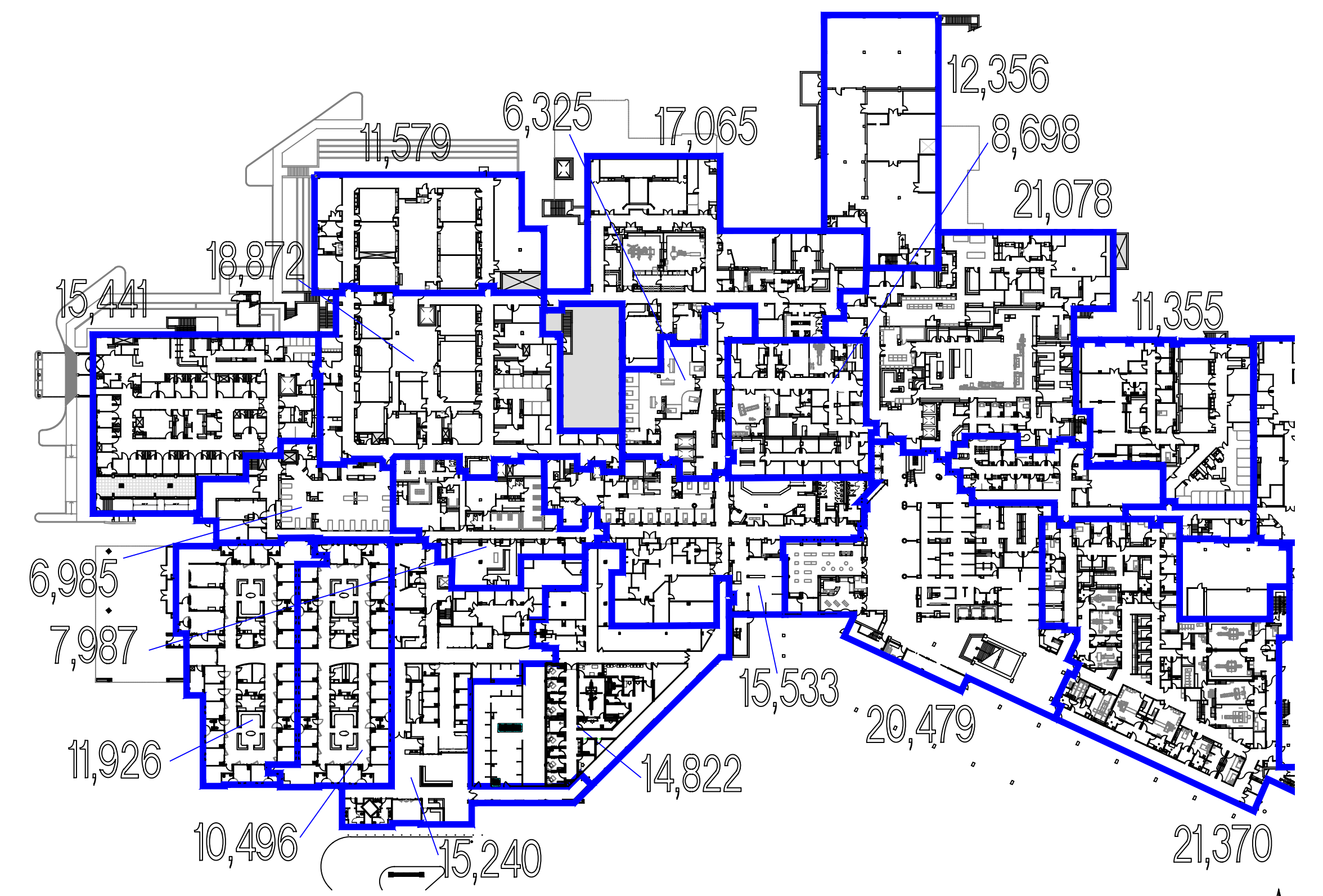


| PROJECT INFORMATION | |
|---|---|
| BSA HOSPITAL 1600 WALLACE BLVD. AMARILLO, TEXAS 79106 | |
| BUILDING CODES: | 2021 INTERNATIONAL BUILDING CODE 2020 NATIONAL ELECTRICAL CODE 2021 INTERNATIONAL FIRE CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2021 INTERNATIONAL PLUMBING CODE 2021 INTERNATIONAL MECHANICAL CODE 2012 TEXAS ACCESSIBILITY STANDARDS 2012 NFPA 101 2012 NFPA 99 |
| OCCUPANCY: | INSTITUTIONAL GROUP I-2 |
| CONSTRUCTION TYPE: | TYPE 1A - FULLY SPRINKLED |
| AREA OF RENOVATION: (NEW SUITE S.F.): | 4,325 S.F. 4,192 S.F. |
| NUMBER OF EXITS REQUIRED: | 2 |
| NUMBER OF EXITS PROVIDED: | 2 |
| MAXIMUM EGRESS TRAVEL DISTANCE ALLOWED: | 200 FEET |
| MAXIMUM EGRESS TRAVEL DISTANCE PROVIDED: | <100 FEET |

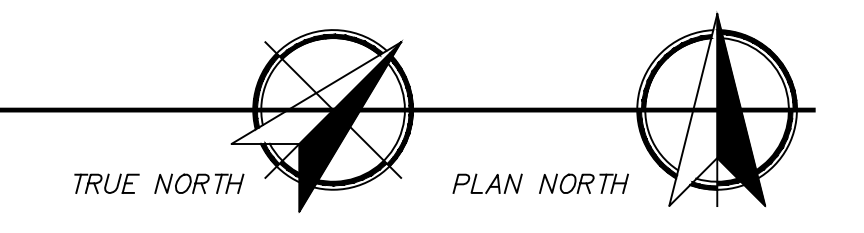
- ### LIFE SAFETY PLAN LEGEND
- OCCUPANT LOAD FACTORS:
ASSEMBLY AREA = 1 PERSON PER 15 SQ FT
INSTITUTIONAL/OUTPATIENT AREA = 1 PERSON PER 100 SQ FT
- ROOM SQUARE FOOTAGE/NUMBER OF OCCUPANTS
 - COLLECTIVE NUMBER OF OCCUPANTS ACCESSING EXIT
 - DOOR APPROACH AND CLEARANCE
 - 2 HOUR FIRE RATED ASSEMBLY
FRAME NEW WALLS TO DECK AND SEAL TOP AND BOTTOM JOINTS WITH UL RATED JOINT SYSTEMS. ALL PENETRATIONS NEW OR EXISTING, ARE TO BE SEALED WITH UL RATED SYSTEMS.
 - 1 HOUR FIRE RATED ASSEMBLY
FRAME NEW WALLS TO DECK AND SEAL TOP AND BOTTOM JOINTS WITH UL RATED JOINT SYSTEMS. ALL PENETRATIONS NEW OR EXISTING, ARE TO BE SEALED WITH UL RATED SYSTEMS.
 - SMOKE BARRIER-1 HOUR FIRE-RATED WALL ASSEMBLY FRAMED TO THE STRUCTURE ABOVE. SEAL ALL PENETRATIONS AND JOINTS WITH A UL LISTED SYSTEM.
 - SMOKE PARTITION UP TO ADJACENT CORRIDOR CEILING SERVING AS THE CONTINUATION OF SMOKE PARTITION.

- ### KEYED NOTES
- DESIGNATED BY:
- NEW FIRE EXTINGUISHER CABINET.

27/CR1 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



12/CR1 SMOKE COMPARTMENT PLAN
SCALE: NOT TO SCALE



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PROJECT NO. 22419
DATE: 03/14/2025

SHEET NO.
CR1
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HOSPITAL LICENSING RULES

- NUCLEAR MEDICINE SUITE**
- (s)(1)(B) Radioisotope room (Hot Lab). When radiopharmaceutical preparation is performed on site, the room shall include sufficient space for equipment, storage of radionuclides, chemicals for preparation, dose calibrators, and record keeping. When prepared materials are used, storage and calculation area may be smaller than for on-site preparation.
 - (s)(1)(B)(i) The room and isotope handling areas within the room shall have appropriate radiation shielding.
 - (s)(1)(B)(ii) There shall be a shielded area or enclosed shielded cabinet for long-term storage of decaying radioisotopes.
 - (s)(1)(C) Positron emission tomography (PET). When Pet Services are provided, scanner and cyclotron rooms shall be in compliance with the manufacturer's recommendations and provide a minimum of three feet of clear and unobstructed working space on all sides of equipment accessible to staff and patient.
 - (s)(1)(C)(i) A control alcove shall be provided with a view window permitting view of the patient.
 - (s)(1)(C)(ii) An equipment area large enough to contain necessary electronic and electrical gear shall be provided.
 - (s)(1)(C)(iii) A dose administration room(s) with radiation shielding shall be located near treatment room. Patients in route to procedure rooms shall not pass through public corridors and waiting rooms after injection with radioisotope.
 - (s)(1)(C)(iv) A patient toilet with radiation shielding shall be provided with or adjacent to dose administration room(s). The patient toilet rooms shall contain a hand washing fixture with hands-free operable controls.
 - (s)(1)(D)(i) Patient waiting area. The area shall be out of traffic and under direct staff visual control. When the waiting area serves both outpatients and inpatients, separate areas shall be provided and include visual privacy between the waiting areas.
 - (s)(1)(D)(ii) Control desk and reception area. A control desk and reception area shall be provided.
 - (s)(1)(D)(v) Patient toilet facilities. A toilet room with a hand washing fixture with hands-free operable controls shall be provided convenient to the waiting room and procedure room.
 - (s)(1)(D)(vi) Staff toilet facilities. Toilets and hand washing fixtures with hands-free operable controls may be outside the suite but shall be convenient for staff office.
 - (s)(1)(D)(xviii) Clerical office(s) spaces. Clerical office(s) spaces shall be provided.
 - (s)(1)(D)(xx) Clean storage room. A clean storage room shall be provided for clean supplies and linens. A hand washing fixture shall be provided with hands-free operable controls. When conveniently located, the clean storage room may be shared with another.
 - (s)(1)(D)(xai) Soiled workroom. The soiled workroom shall not have direct connection to the nuclear medicine procedure or diagnostic rooms and sterile activity rooms. The room shall contain a clinical sink or equivalent flushing type fixture, work counter, hand washing fixture with hands-free operable controls, waste receptacle, and soiled linen receptacle. When contaminated soiled material or fluid waste is not handled, only a soiled holding room is required.
 - (s)(1)(D)(xvii) Housekeeping room. The housekeeping room shall be located within the suite.
 - (s)(2)(A)(i) Radiation protection shall be designed, tested and approved by a medical physicist licensed under the Texas Medical Physics Practice Act, Occupations Code Chapter 602.
 - (s)(2)(B)(i) Flooring used in the nuclear medicine procedure room, any work or treatment areas where radioactive material is handled, and soiled workroom shall be of the seamless monolithic type as required by §133.162(d)(2)(B)(ii)(I) of this title.
 - (s)(2)(B)(ii) Ceilings in radiopharmacy, hot laboratory, and soiled workrooms shall be monolithic as required by §133.162(d)(2)(B)(ii)(II) of this title.

27/CR2 HEALTH CODE REVIEW
SCALE: 1/8" = 1'-0"



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PROJECT NO. 22418
DATE: 03/14/2025
SHEET NO.
CR2
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GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED ON STRUCTURAL DRAWINGS
IN CASE OF CONFLICT BETWEEN GSN, DETAILS AND
PLANS, THE GREATER REQUIREMENTS GOVERN.

GENERAL

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE, INCLUDING AMENDMENTS, EXCEPT WHERE APPLICABLE CODES OR THE CONTRACT DOCUMENTS ARE MORE RESTRICTIVE.
- THE SPECIFICATIONS AND REQUIREMENTS INDICATED ON THIS SHEET ARE INTENDED AS A BASIC SUMMARY OF THE MATERIAL, CONSTRUCTION AND INSPECTION REQUIREMENTS FOR THE PROJECT. ADDITIONAL, ARE GIVEN IN THE PROJECT SPECIFICATIONS, IN THE EVENT OF CONFLICT BETWEEN THE REQUIREMENTS INDICATED ON THIS SHEET AND THOSE IN THE PROJECT SPECIFICATIONS, THE MORE STRINGENT WILL GOVERN.
- FOR LOCATIONS AND DIMENSIONS OF SLEEVES, CURB, OPENINGS AND DEPRESSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL, CIVIL, MECHANICAL DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE REQUIREMENT FOR AND LOCATION OF ABOVE ITEMS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT.
- EMBEDDED ITEMS, SUCH AS PIPE SLEEVES, CONDUITS AND INSERTS SHALL BE IN PLACE BEFORE CONCRETE IS POURED. SEE ARCHITECTURAL, CIVIL, MECHANICAL DRAWINGS FOR ITEMS REQUIRING SLEEVES AND EMBEDMENTS IN CONCRETE WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS.
- ALL STRUCTURAL RELATED SHOP DRAWINGS SHALL BE SUBMITTED, REVIEWED & APPROVED BY THE ENGINEER OF RECORD PRIOR TO ERECTION/CONSTRUCTION.
- STRUCTURAL DIMENSIONS AND OPENINGS CONTROLLED BY OR RELATED TO MECHANICAL OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. STRUCTURAL DIMENSIONS RELATED TO OR CONTROLLED BY EXISTING STRUCTURES SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS, INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING CONSTRUCTION AND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER IF THERE ARE CONFLICTS BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONSTRUCTION BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION SHORING TO PROTECT AND SUPPORT FOUNDATION UNDER EXISTING STRUCTURES.
- THE STRUCTURES ARE DESIGNED FOR STABILITY IN THE FINAL CONDITION ONLY. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY DURING CONSTRUCTION.
- THE GENERAL NOTES AND TYPICAL DETAILS ARE GENERAL AND APPLY THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.

LOADING CRITERIA

- DEAD LOAD**
A. ROOF.....20 PSF
- LIVE LOADS**
A. ROOF.....20 PSF
- LATERAL LOADS**
A. **WIND LOADS**
• BASIC WIND SPEED:119 MPH
• RISK CATEGORY:IV
• EXPOSURE:B
B. **SEISMIC LOAD**
• IMPORTANCE FACTOR:1.5
• RISK CATEGORY:IV
• SITE CLASS:D
- SNOW LOAD:**
• GROUND SNOW LOAD: (PG):.....20 PSF
• IMPORTANCE FACTOR: (Is):1.2
• THERMAL FACTOR: (Ct):1.0

SOIL AND FOUNDATION

NO GEOTECHNICAL REPORT ASSOCIATED WITH THIS PROJECT SITE WAS PROVIDED. THE STRUCTURAL DESIGN HAS BEEN BASED ON THE FOLLOWING ASSUMED DESIGN CRITERIA PER IBC 1806.2. THE OWNER AND CONTRACTOR ARE TO ENSURE APPROPRIATE SOIL CONDITIONS ARE PROVIDED THAT MEET OR EXCEED THIS DESIGN CRITERIA; AND ALL WORK PERFORMED SHALL BE IN COMPLIANCE WITH THE PROVIDED DESIGN CRITERIA:

- THE FOLLOWING EARTHWORK PROCEDURES ARE TO BE FOLLOWED WITHIN THE BUILDING AREA AND EXTENDING A MINIMUM OF 5'-0" BEYOND THE BUILDING LINES:
 - THE TOP 12" OF EXISTING SOIL IS TO BE CLEARED OF EXISTING FOUNDATIONS, PAVING, DEBRIS, TREE ROOTS, AND VEGETATION, IF ANY.
 - THE EXPOSED SOIL IS TO THEN BE SCARIFIED TO A DEPTH OF AT LEAST 8", PROCESSED AT OR SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698 (STANDARD PROCTOR).
 - SELECT FILL MATERIALS TO RAISE THE PAD ELEVATION SHOULD THEN BE COMPACTED IN LOOSE LIFTS 8" THICK, WITH EACH LIFT UNIFORMLY COMPACTED IN THE SAME MANNER AS DESCRIBED ABOVE PRIOR TO PLACING THE NEXT LIFT.
 - BORROWED SELECT FILL MATERIALS, OR ACCEPTABLE ON-SITE MATERIALS, SHOULD HAVE A LIQUID LIMIT (LL) LESS THAN 35 AND THE PLASTICITY INDEX (PI) SHOULD BE FROM 7 TO 15.
- DENSITY TESTS SHALL BE PERFORMED AT A FREQUENCY OF NOT LESS THAN ONE TEST FOR EVERY 2,500 SQUARE FEET OF BUILDING AREA.
- SHOULD FILL MATERIAL PLACEMENT EXCEED 3.5 FEET IN DEPTH, THE DENSITY REQUIREMENT SHOULD BE INCREASED TO 98 PERCENT OF ASTM D698 MAXIMUM DENSITY. THE MOISTURE CONTENT SHOULD BE MAINTAINED AT OR NEAR THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698, AND SHOULD NOT BE LESS THAN TWO PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY THIS TEST.
- THE FOLLOWING NET ALLOWABLE BEARING PRESSURES WERE UTILIZED IN THE DESIGN OF THE FOUNDATIONS (SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, PER IBC 1806.2)
SPREAD AND CONTINUOUS FOOTINGS 1,500 PSF

CAST-IN-PLACE CONCRETE

| CLASS | 28-DAY STRENGTH (PSI) | SLUMP RANGE (IN) | MAX AGGREGATE SIZE (IN) | W/C RATIO | USAGE |
|-------|-----------------------|------------------|-------------------------|-----------|---------------------------------------|
| A | 4,000 | 3-5 | 1" | 0.45 MAX | ALL FOOTINGS & INTERIOR SLAB ON GRADE |

NOTE: THE READY MIX-CONCRETE SHOULD ARRIVE AT THE TARGET SLUMP AND THE CONTRACTOR SHOULD NOT BE ALLOWED TO ADD WATER TO THE MIXTURE.

- CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ACI 301 AND ACI 318
- PROVIDE CONCRETE (WITH TYPE II CEMENT) HAVING THE FOLLOWING GENERAL CHARACTERISTICS:
 - MINIMUM STRENGTH FOR REMOVAL OF FORMS AND SHORING SHALL BE 75% OF SPECIFIED STRENGTH AT 28 DAYS.
 - EXCEPT AS OTHERWISE REQUIRED, ALL EXPOSED CONCRETE CORNERS AND EDGES SHALL HAVE 3/4" CHAMFERS.
 - NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL. NO AIR ENTRAINMENT SHALL BE ALLOWED IN FLAT SLABS. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.
 - FLY ASH (POZZOLAN) IF PERMITTED SHALL NOT EXCEED 15% REPLACEMENT OF TOTAL CEMENT CONTENT USING A 1:1 REPLACEMENT FACTOR
 - IF THE EXISTING VAPOR RETARDER MUST BE REPLACED, PROVIDE 15 MILS THICK VAPOR RETARDER UNDER ALL SLAB ON GRADE. ALL JOINTS AND SEAMS, BOTH LATERAL AND BUTT, SHALL BE OVERLAPPED 6" AND TAPED. ALL DAMAGED AREAS AND PENETRATIONS SHALL BE SEALED WITH VAPOR RETARDER AND TAPE. VAPOR RETARDER SHALL EXTEND FROM THE BOTTOM OF THE SLAB DOWN ALL FOOTINGS A MINIMUM OF 12".

REINFORCING STEEL

- LATEST ACI CODE AND DETAILING MANUAL APPLY. ALL REINFORCING BARS DEFORMED UNLESS NOTED OTHERWISE.
- ALL REINFORCING SHALL BE ASTM A-615 GRADE 60 EXCEPT AS FOLLOWS:
 - WIRE MESH.....A-185
 - WELDED ANCHORS.....GRADE 40
 - CHEMICAL ANALYSIS LIMITED PER AWS SPECIFICATIONS FOR WELD WITHOUT PREHEAT
 - WELDED ANCHORS #5 AND LARGER.....ASTM A-706
- CLEAR CONCRETE COVER TO REINFORCING ARE AS FOLLOWS:
 - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
 - EXPOSED TO EARTH OR WEATHER:
 - #6 AND LARGER.....2"
 - #5 AND SMALLER.....1 1/2"
 - SLAB ON GRADE.....2" BELOW TOP OF SLAB
- SLAB REINFORCING SHALL BE LAPPED A MINIMUM OF 16".
- LAP REINFORCING BARS IN CONTINUOUS FOOTINGS 30 BAR DIAMETERS OR 24" MINIMUM. ALL HORIZONTAL REINFORCING IN CONTINUOUS FOOTINGS AND WALLS SHALL BE CONTINUOUS AND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF 30 BAR DIAMETERS OR 24" MINIMUM.
- WHERE BARS ARE SHOWN SPLICED, THEY MAY RUN CONTINUOUS AT CONTRACTOR'S OPTION.

STRUCTURAL STEEL

- FOR ALL STRUCTURAL STEEL FABRICATION AND CONSTRUCTION LATEST AISC HANDBOOKS AND CODES SHALL APPLY. ALL STEEL FABRICATION IS REQUIRED TO BE COMPLETED BY AN APPROVED STEEL FABRICATOR RECOGNIZED BY THE BUILDING DEPARTMENT.
- ASTM A-36, EXCEPT AS FOLLOWS: WIDE FLANGE SECTIONS, ASTM A992 GRADE 50; PIPE SECTIONS, ASTM A-53 GRADE B; TUBE SECTIONS, ASTM A-500 GRADE B.
- ANCHOR BOLTS, ASTM F1554 GRADE 36 UNO; HIGH STRENGTH BOLTS, A-325-X OR A-325-SC PER SCHEDULES. MINIMUM EMBEDMENT OF ALL BOLTS IN GROUT OR CONCRETE SHALL BE 8" INCLUDING BOLT HEAD OR 5" WITH A STD HOOK. WELDED ANCHORS AND SHEAR CONNECTORS SHALL BE ICC APPROVED.
- UNLESS OTHERWISE NOTED MINIMUM CONNECTION SHALL BE: (2) 3/4" DIAMETER BOLTS OR 3/16" FILLET WELD 4" LONG, USING 1/4" CONNECTION MATERIAL AND DETAILED TO MINIMIZE BENDING IN THE CONNECTION.

WELDING

- ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. WELDING RODS TO BE LOW HYDROGEN TYPE, E70 FOR STRUCTURAL STEEL AND E60 FOR METAL DECK AND LIGHT GAGE STEEL STUDS.
- ALL BUTT WELDED SPLICES IN MATERIAL THICKER THAN 5/16" SHALL BE INSPECTED BY AN INDEPENDENT TESTING LABORATORY, TO CERTIFY CONNECTION AS MEETING OR EXCEEDING STRENGTH OF MATERIALS SPLICED.
- ALL WELDING OF STRUCTURAL STEEL SHALL CONFORM TO THE "STRUCTURAL WELDING CODES-STEEL" AWS D1.1, CURRENT EDITION.
- ALL WELDING OF LIGHT GAGE STEEL STUDS AND STEEL DECK SHALL CONFORM TO THE "STRUCTURAL WELDING CODES-SHEET STEEL" AWS D1.3, CURRENT EDITION.
- WELDS INDICATED MAY BE MADE IN SHOP OR FIELD WITH APPROVAL.

METAL STUD FRAMING

- ALL LIGHT GAUGE STEEL FRAMING SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS. LIGHT GAUGE METAL FRAMING CALL-OUTS SHOWN ON PLANS SHALL MEET OR EXCEED SECTIONS SPECIFIED BY THE METAL STUD MANUFACTURERS ASSOCIATION (REFERENCE ICC REPORT #49439). OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBER.
- ALL 16 GAUGE AND HEAVIER STUDS CALLED OUT ON PLANS SHALL HAVE MINIMUM Fy=50 KSI (ASTM A446 GRADE D OR ASTM A570). LIGHTER STUDS SHALL HAVE MINIMUM Fy=33 KSI (ASTM A446 GRADE A). GALVANIZED COATINGS SHALL MEET THE REQUIREMENTS OF ASTM A525.
- BRIDGING SHALL BE COLD ROLLED CHANNEL, MINIMUM 1 1/2" DEEP WITH 9/16" FLANGE WIDTH PER TYPICAL DETAIL. SPACE BRIDGING AT 4'-0" MAXIMUM O.C. VERTICALLY.
- DOUBLE UP STUDS AT ALL JAMBS UNLESS MORE STUDS ARE REQUIRED BY THE DRAWINGS, SEE TYPICAL DETAILS. PROVIDE LINTELS AT OPENINGS.

STRUCTURAL OBSERVATIONS

- JOB SITE OBSERVATIONS BY THE PROFESSIONAL ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONSIST OF VISUAL OBSERVATION OF MATERIALS, EQUIPMENTS OR CONSTRUCTION WORK FOR THE PURPOSE OF ASCERTAINING THAT THE WORK IS IN SUBSTANTIAL CONFORMANCE WITH THE CONTRACT DOCUMENTS AND WITHIN THE DESIGN INTENT. SUCH OBSERVATIONS SHALL NOT BE RELIED UPON BY OTHERS AS ACCEPTANCE OF THE WORK, NOR SHALL IT BE CONSTRUCTED TO RELIEVE THE CONTRACTOR IN ANY WAY FROM HIS OBLIGATIONS AND RESPONSIBILITY UNDER THE CONSTRUCTION CONTRACT. SPECIFICALLY BUT WITHOUT LIMITATIONS, OBSERVATIONS BY THE DESIGN PROFESSIONAL SHALL NOT REQUIRE THE DESIGN PROFESSIONAL TO ANSWER RESPONSIBILITY FOR THE MEANS AND METHODS OF CONSTRUCTION, NOR FOR SAFETY ON THE JOB SITE.
- NOTIFY ENGINEER 48 HOURS IN ADVANCE WHEN A STRUCTURAL OBSERVATION IS REQUIRED. NOTIFY THE ENGINEER FOR THE FOLLOWING ITEMS:
 - BEFORE PLACEMENT OF CONCRETE FOR FOUNDATIONS AND SLAB.
 - AFTER FRAMING OF ROOF STRUCTURE BUT BEFORE PLACEMENT OF ROOFING MATERIAL.

SHOP DRAWINGS & SUBMITTALS

- SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW TO THE STRUCTURAL ENGINEER FOR EACH STRUCTURAL BUILDING MATERIAL AS INDICATED IN THE STRUCTURAL GENERAL NOTES AND THE CONTRACT SPECIFICATIONS. SEE THE CONTRACT SPECIFICATION FOR SUBMITTAL PROCEDURE AND ADDITIONAL INFORMATION.
- SHOP DRAWINGS SHALL USE DRAFTING LINE WORK AND LETTERING THAT IS CLEARLY LEGIBLE. SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS PLANS OR DETAILS.
- SHOP DRAWINGS SHALL SHOW CLEAR AND COMPLETE INFORMATION FOR THE FABRICATION (DETAIL SHEETS AND/OR MATERIAL LIST) AND INSTALLATION.
- ALLOW A MINIMUM OF (2) WEEKS FOR REVIEW OF EACH SET OF SHOP DRAWINGS.
- THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS SUBMITTED BY THE SUBCONTRACTOR AND COORDINATE SHOP DRAWINGS WITH ALL OTHER TRADES.
- THE CONTRACTOR SHALL ANSWER ALL QUESTIONS OR CLARIFICATIONS BY THE SUBCONTRACTOR BEFORE SUBMITTING TO THE ENGINEER FOR REVIEW. ANY QUESTIONS THAT THE CONTRACTOR CANNOT ANSWER WITH THE INFORMATION ON THE DRAWINGS SHALL CLEARLY BE MARKED FOR THE ENGINEER FOR REVIEW.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, SEE NOTE 3 & 6 UNDER GENERAL NOTES.
- REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIALS INDICATED ON THE SHOP DRAWINGS.

STRUCTURAL MODIFICATIONS AND REPAIR

- REFER TO AS-BUILT DRAWINGS AND SHOP DRAWINGS (IF AVAILABLE) OF THE EXISTING STRUCTURE FOR CONSTRUCTION WORK ASSOCIATED WITH THE EXISTING STRUCTURES. AS-BUILT CONDITIONS AND DIMENSIONS MUST BE FIELD VERIFIED BY CONTRACTOR.
- ALL DEMOLITION, REMOVAL AND CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITH CONSIDERATION FOR EXISTING FACILITIES STRUCTURES, EQUIPMENTS, ETC.
- UNLESS OTHERWISE NOTED ON PLANS. CUTTING EXISTING REINFORCING DUE TO DOWELS DRILLING, PIPING, CONDUITS OR OTHER PENETRATION THROUGH EXISTING CONCRETE STRUCTURE IS PROHIBITED. CONTRACTOR SHALL IDENTIFY EXISTING REINFORCING LOCATIONS BY NON-DESTRUCTIVE APPROACHES PRIOR TO DRILLING HOLES OR CUTTING OPENINGS.
- EXISTING CONCRETE SURFACES THAT WILL COME IN CONTACT WITH NEW CONCRETE SHALL BE ROUGHENED TO 1/4" AMPLITUDE TO WITHIN 1" OF EDGE. BONDING AGENT SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACES PRIOR TO THE NEW CONCRETE PLACEMENT.
- ALL EXISTING CONDITIONS COULD NOT BE OBSERVED OR ACCOUNTED FOR. CONTRACTOR AND OWNER SHOULD ANTICIPATE SOME CHANGES WILL BE NECESSARY TO ACCOMMODATE UNFORSEEN EXISTING CONDITIONS. CONTINGENCIES SHOULD BE IN PLACE FOR THESE POSSIBILITIES.

SPECIAL INSPECTIONS

- SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE IBC 2021 (INTERNATIONAL BUILDING CODE 2021) BY A SPECIAL INSPECTOR HIRED BY THE OWNER TO PERFORM THE SPECIAL INSPECTIONS LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE QUALIFIED BY AN APPROVED AGENCY ACCORDING TO THE CITY'S BUILDING OFFICIAL TO PERFORM SPECIAL INSPECTIONS FOR WHICH THEY WILL BE UNDERTAKING. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ARCHITECT. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF LEFT UNCORRECTED TO THE STRUCTURAL ENGINEER, ARCHITECT AND BUILDING DEPARTMENT.
- WHEN INDICATED WITH A "X", THE FOLLOWING SHALL BE INSPECTED.

| ITEM | REQ'D | REMARKS |
|--|-------|--------------------------|
| GRADING, EXCAVATIONS, FILL, FOOTING | X | BY GEOTECHNICAL ENGINEER |
| DRILLED PIERS | X | CONTINUOUS |
| CONCRETE - BATCH PLANT INSPECTION | X | CONTINUOUS |
| CONCRETE - CONCRETE PLACEMENT | X | PERIODIC |
| CONCRETE - REBAR PLACEMENT | X | INSPECT FINAL PLACEMENT |
| CONCRETE - REBAR WELDING | X | CONTINUOUS |
| CONCRETE - ANCHOR BOLTS AND PLATES | X | INSPECT FINAL PLACEMENT |
| CONCRETE - POST - TENSIONS STEEL PLACEMENT | X | INSPECT FINAL PLACEMENT |
| CONCRETE - POST - TENSIONSINGS STRESSING | X | CONTINUOUS |
| CONCRETE - EXPANSION ANCHORS | X | PERIODIC |
| CONCRETE - EPOXY | X | PERIODIC |
| CONCRETE - SHOTCRETE PLACEMENT | | PERIODIC |
| CONCRETE - PRECAST CONCRETE ERECTION | | PERIODIC |
| MASONRY - VERIFICATION OF PROPORTIONS OF SITE PREPARED MORTAR | X | PERIODIC |
| MASONRY - VERIFICATION OF MORTAR JOINT | X | PERIODIC |
| MASONRY - VERIFICATION OF LOCATION OF REBAR AND CONNECTORS | X | PERIODIC |
| MASONRY - SIZE AND LOCATION OF STRUCTURAL ELEMENTS | X | PERIODIC |
| MASONRY - SIZE AND LOCATION OF ANCHORS | X | PERIODIC |
| MASONRY - SIZE GRADE AND TYPE OF REBAR | X | PERIODIC |
| MASONRY - REBAR WELDING | X | PERIODIC |
| MASONRY - PROTECTION OF MASONRY DURING HOT (TEMPERATURE ABOVE 90 DEG.) AND COLD WEATHER (TEMPERATURE BELOW 40 DEG.) | X | PERIODIC |
| MASONRY - VERIFICATION OF CLEAN GROUT SPACE PRIOR TO GROUT PLACEMENT | X | PERIODIC |
| MASONRY - REBAR PLACEMENT | X | PERIODIC |
| MASONRY - GROUT PLACEMENT | X | PERIODIC |
| MASONRY - COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED | X | PERIODIC |
| LIGHT GAGE STUD FRAMING; SHOP AND FIELD WELDING | X | CONTINUOUS |
| STRUCTURAL STEEL, SHOP WELDING - FILLET WELDS PENETRATION WELDS | X | PERIODIC |
| STRUCTURAL STEEL, FIELD WELDING - PARTIAL OR FULL | X | CONTINUOUS |

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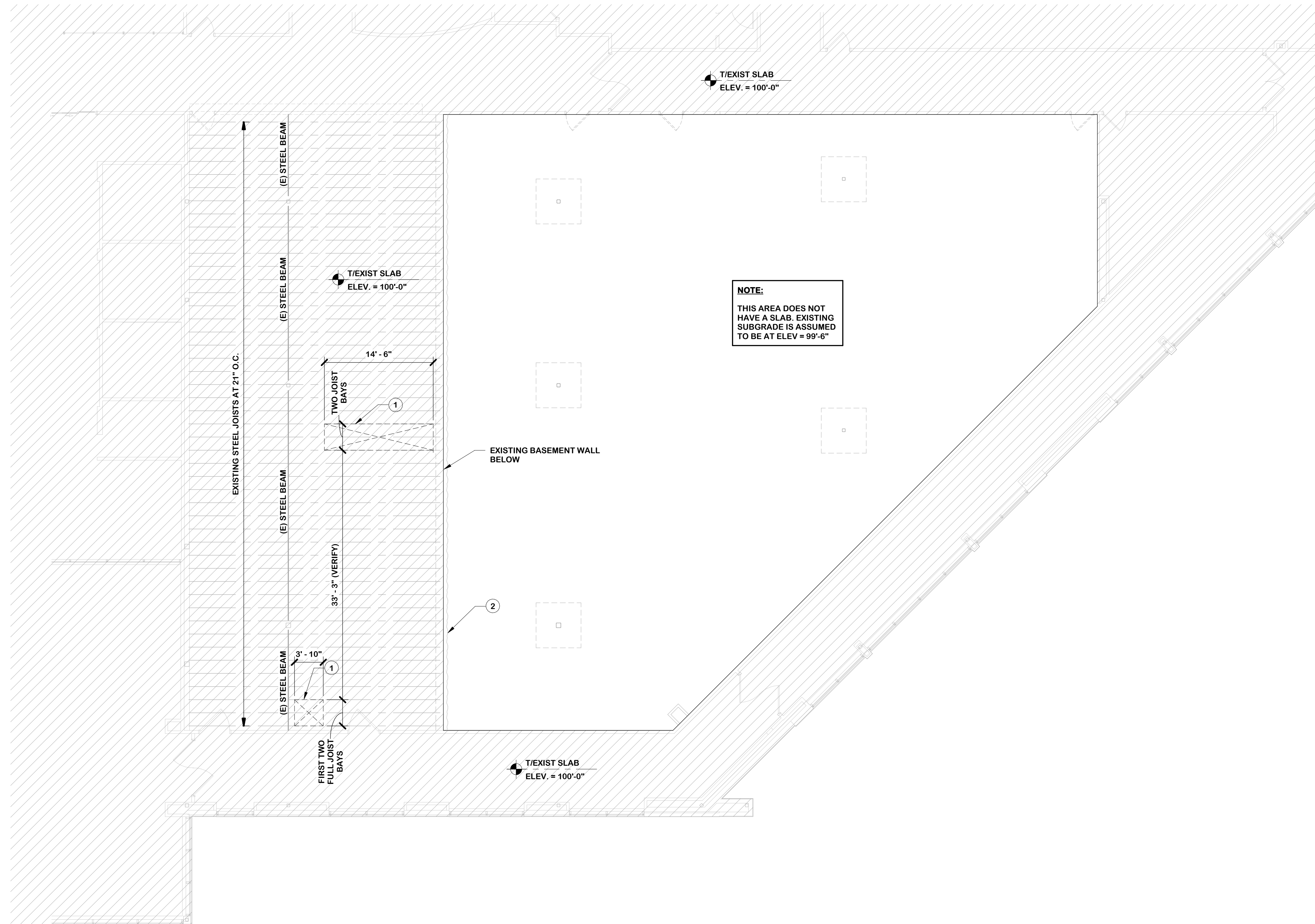
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KEYED NOTES

- ① SAW CUT AND REMOVE EXISTING CONCRETE FILLED STEEL DECK. EXISTING STEEL JOISTS SHALL NOT BE AND SHALL REMAIN CONTINUOUS THROUGH THE NEW SLAB OPENING. THE NEW SLAB OPENING SHALL BE LOCATED WHERE INDICATED ON THE DRAWINGS AND BE TWO JOIST BAYS WIDE.
- ② ALONG THIS SLAB EDGE, THE CONTRACTOR SHALL SAW CUT THE EXISTING JAGGED SLAB EDGE TO CREATE A STRAIGHT SLAB EDGE TO DOWEL INTO, REF: 2/51

DEMO NOTES

- 1. CONTRACTOR SHALL VERIFY ANY DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.



① LEVEL 1 DEMO PLAN
1/8" = 1'-0"



② EXISTING SLAB EDGE CONDITION
1/2" = 1'-0"



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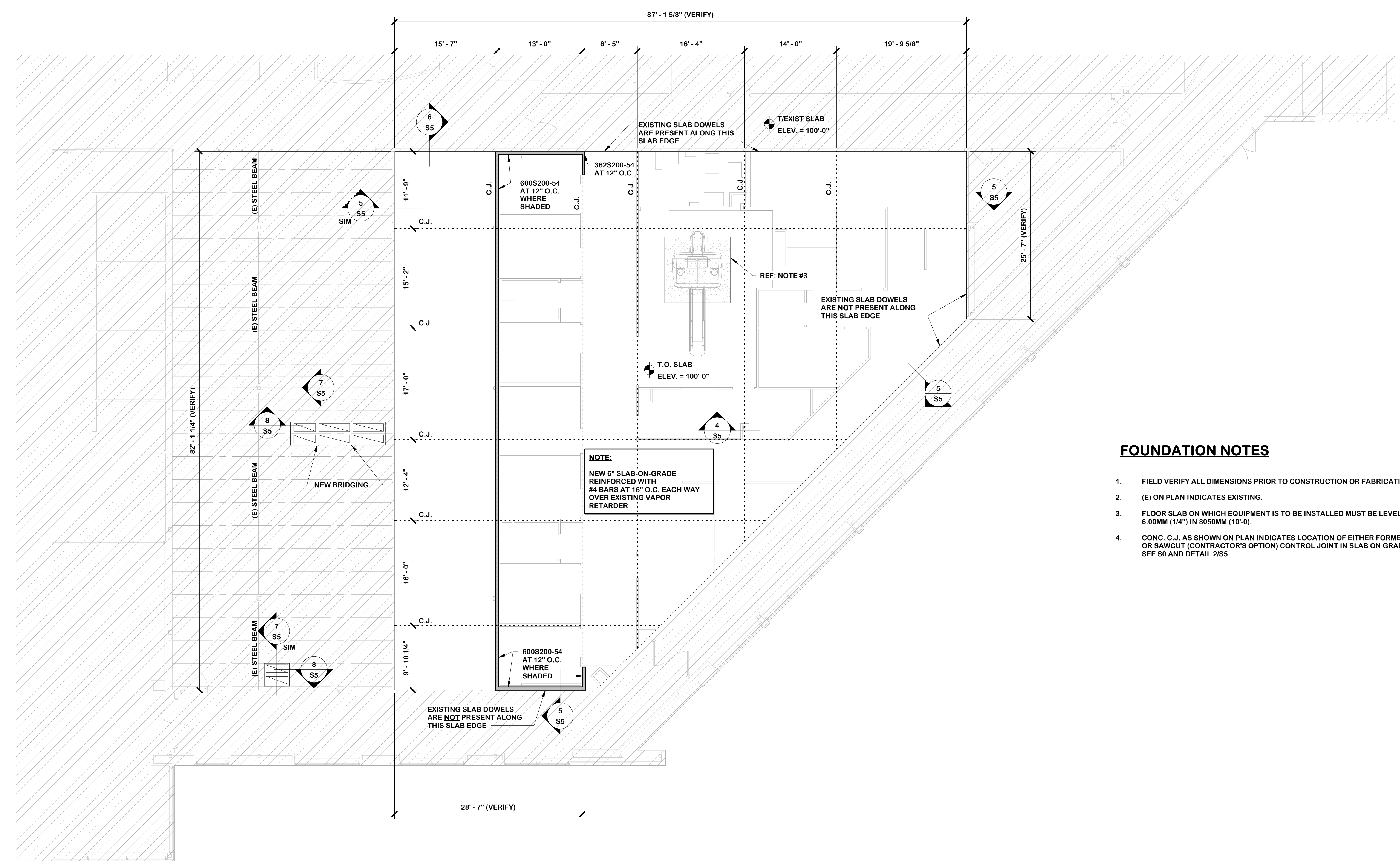
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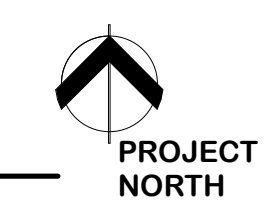
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FOUNDATION NOTES

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OR FABRICATION.
2. (E) ON PLAN INDICATES EXISTING.
3. FLOOR SLAB ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO 6.00MM (1/4") IN 3050MM (10'-0").
4. CONC. C.J. AS SHOWN ON PLAN INDICATES LOCATION OF EITHER FORMED OR SAWCUT (CONTRACTOR'S OPTION) CONTROL JOINT IN SLAB ON GRADE. SEE S0 AND DETAIL 2/S5.

1 LEVEL 1 FOUNDATION/FRAMING PLAN
 1/8" = 1'-0"



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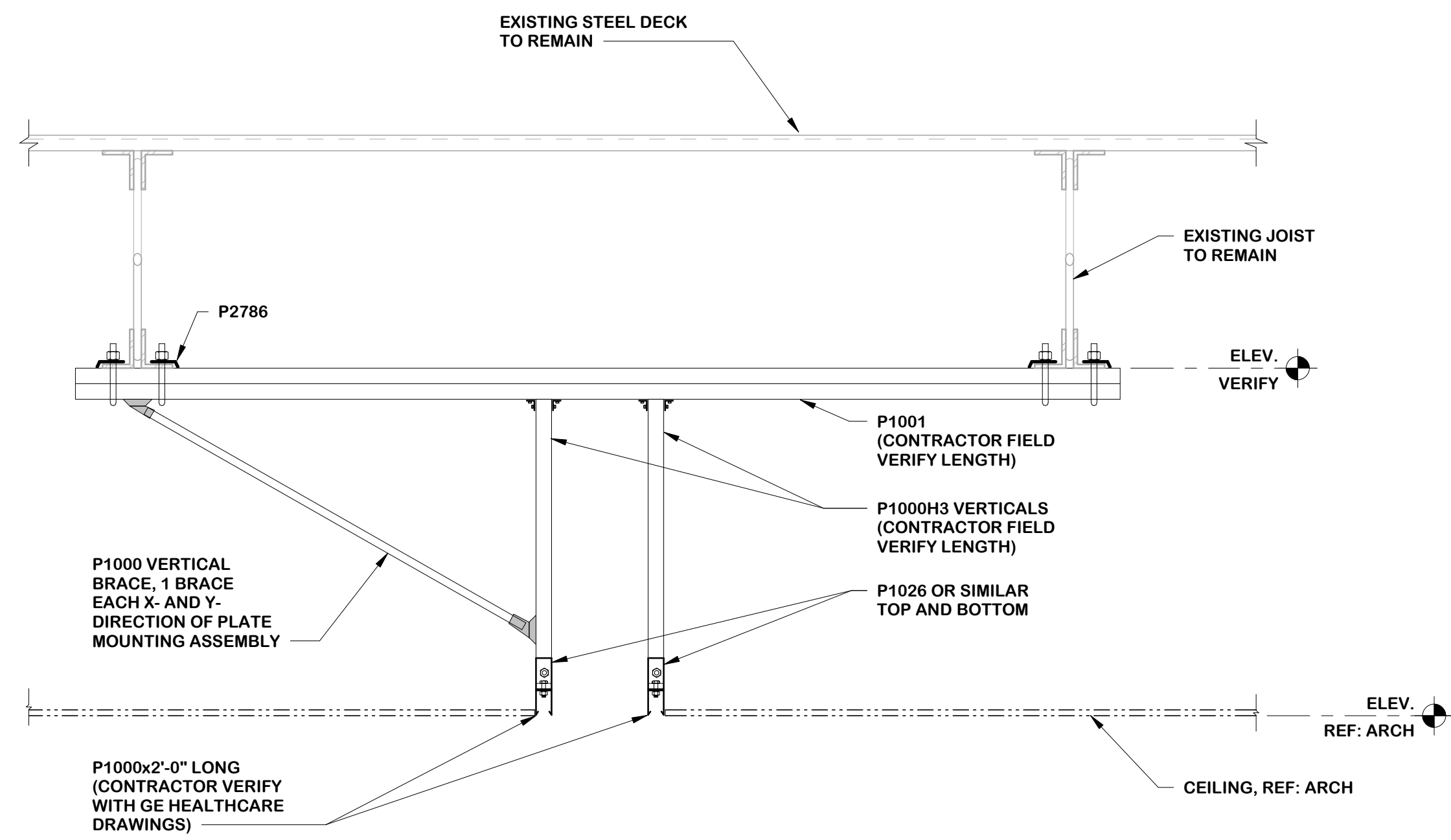
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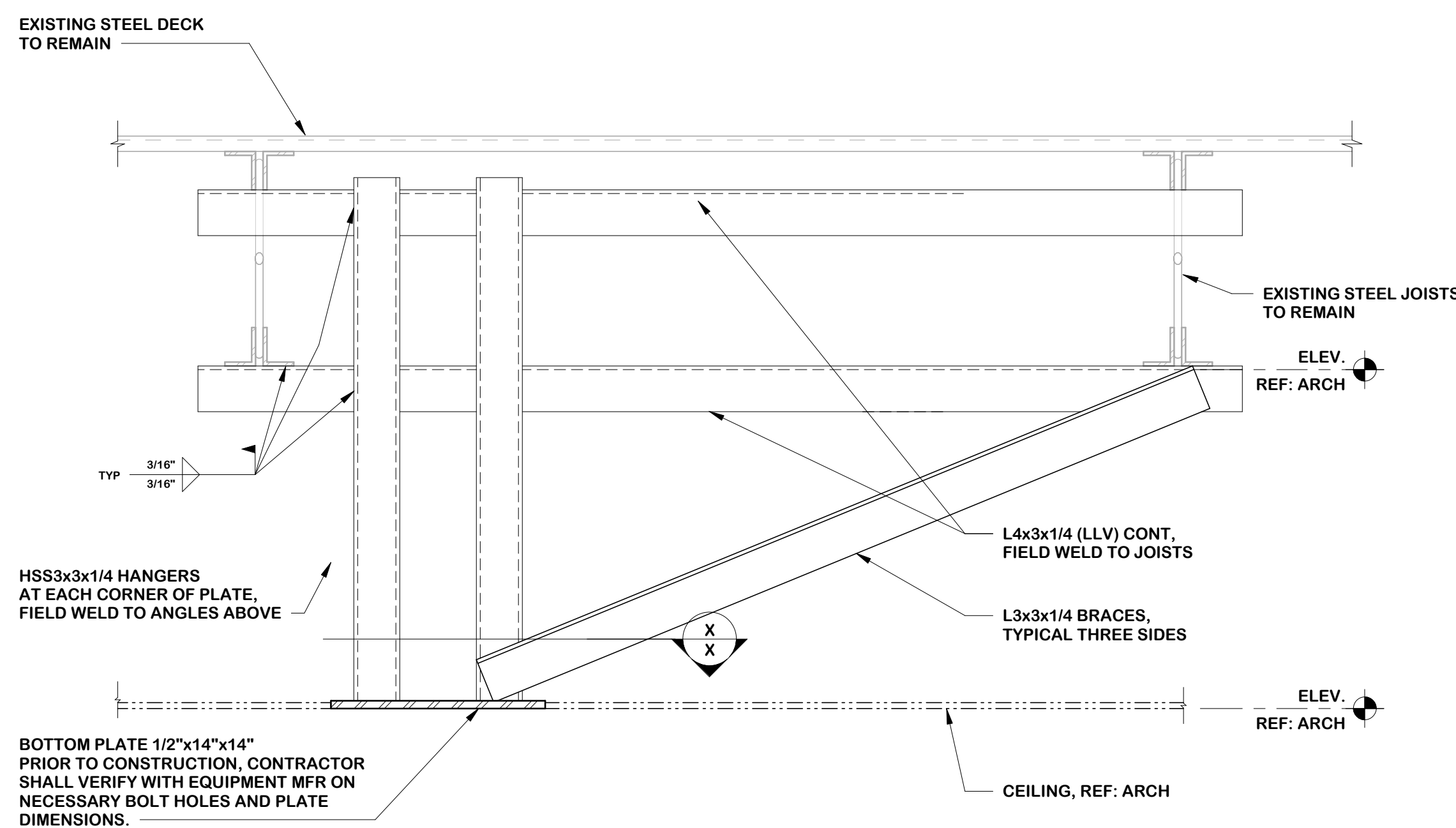
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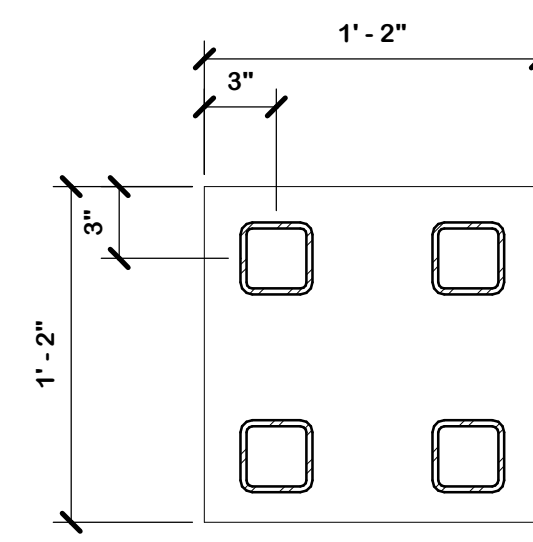
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2 POSITIONING CAMERA MOUNTING PLATE
1 1/2" = 1'-0"



3 STRUCTURAL SUPPORTS FOR MOUNTING PLATE
1 1/2" = 1'-0"



NOTE:
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE CONTENTS OF THIS DETAIL WITH THE REQUIREMENTS OF THE APPROVED GE HEALTHCARE DRAWINGS.



1 PARTIAL LOW ROOF FRAMING PLAN
1/8" = 1'-0"

- KEYED NOTES**
- 1 PROVIDE UNISTRUT FOR POSITIONING CAMERA MOUNTING PLATE INSTALLATION, REF: 2/S3
 - 2 PROVIDE MOUNTING STRUCTURE FOR MOUNTING PLATE, REF: 3/S3



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1 CLERESTORY ROOF FRAMING PLAN
1/8" = 1'-0"



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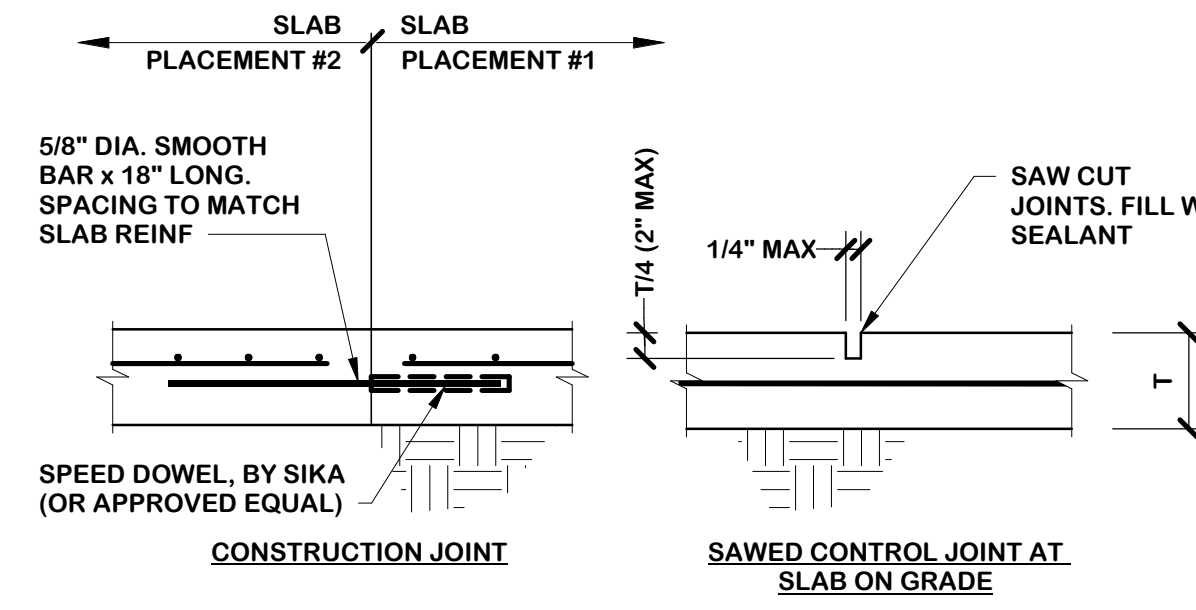
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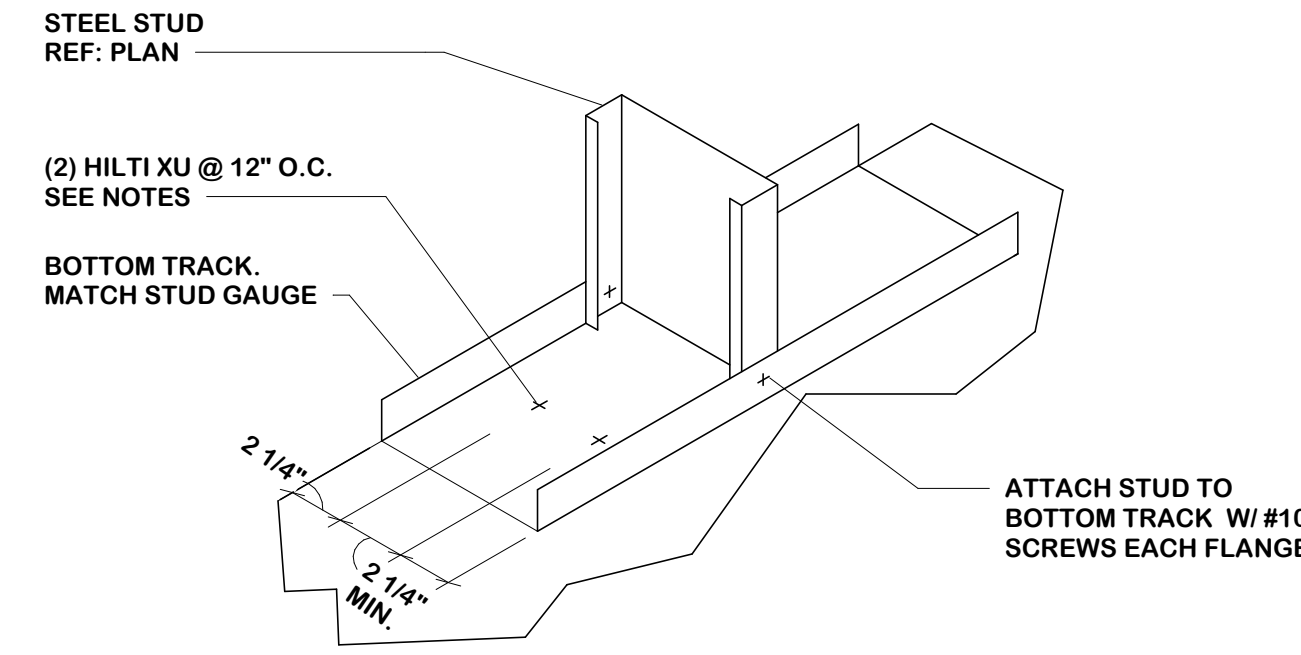
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S4

| LAP SPLICE LENGTHS (IN.) | | | | |
|--------------------------|---------------|------------|-----------|------------|
| BAR SIZE | LENGTHS (IN.) | | | |
| | 3000 PSI | | 4000 PSI | |
| | TOP BARS* | OTHER BARS | TOP BARS* | OTHER BARS |
| #3 | 28 | 21 | 24 | 18 |
| #4 | 37 | 28 | 32 | 25 |
| #5 | 46 | 36 | 40 | 31 |
| #6 | 56 | 43 | 48 | 37 |
| #7 | 81 | 62 | 70 | 54 |

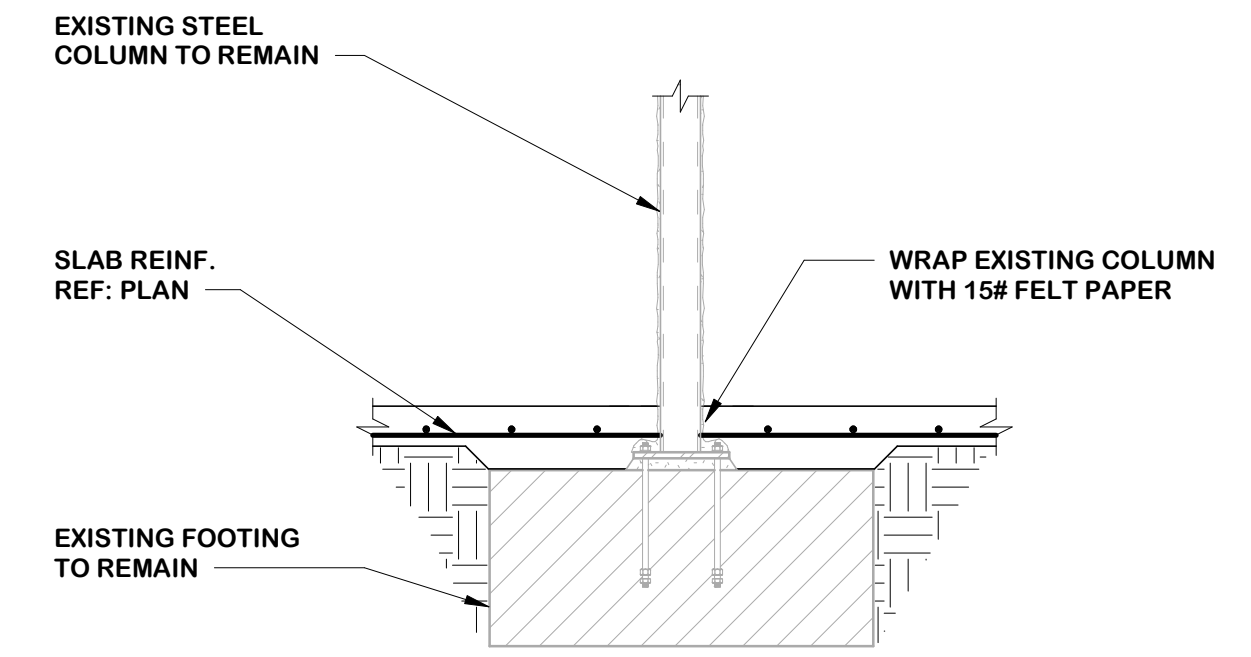
NOTES:
 1. TABULATED VALUES ARE BASED ON GRADE 60 UNCOATED REINFORCING BARS, NORMAL WEIGHT CONCRETE AND MIN. COVER OF d_b WITH MIN. CLEAR SPACING OF $2d_b$.
 2. TENSION LAP SPLICES ARE CALCULATED PER ACI 318 SECTIONS 12.2 & 12.15
 3. ALL LAP SPLICES ARE CLASS B SPLICES PER ACI 318 SECTION 12.15



1. SHEAR BARS SHALL BE SMOOTH, FREE RUST OR SCALE W/ POLYETHYLENE SLEEVE ON ONE SIDE. SLEEVE MUST HAVE 1/2" LONG GAP AT END OF DOWEL TO ASSURE SLIPPAGE IN BOTH DIRECTIONS. DOWELS SHALL BE AT MID-HEIGHT OF SLAB.
 2. SAWCUT SLAB AFTER CONCRETE IS HARD ENOUGH TO AVOID SPALLING AND DAMAGE BUT IN A TIMELY MANNER SO AS TO PREVENT RANDOM CRACKING BUT NOT LATER THAN 12 HOURS AFTER CONCRETE PLACEMENT.



NOTES:
 1. USE (1) HILTI XU POWER DRIVEN PINS IF STUD WALL HEIGHT IS LESS THAN 12'-0". CENTER PIN IN BOTTOM TRACK.
 2. USE (2) HILTY XU POWER FOR HEIGHT BETWEEN 12'-0" TO 18'-0"

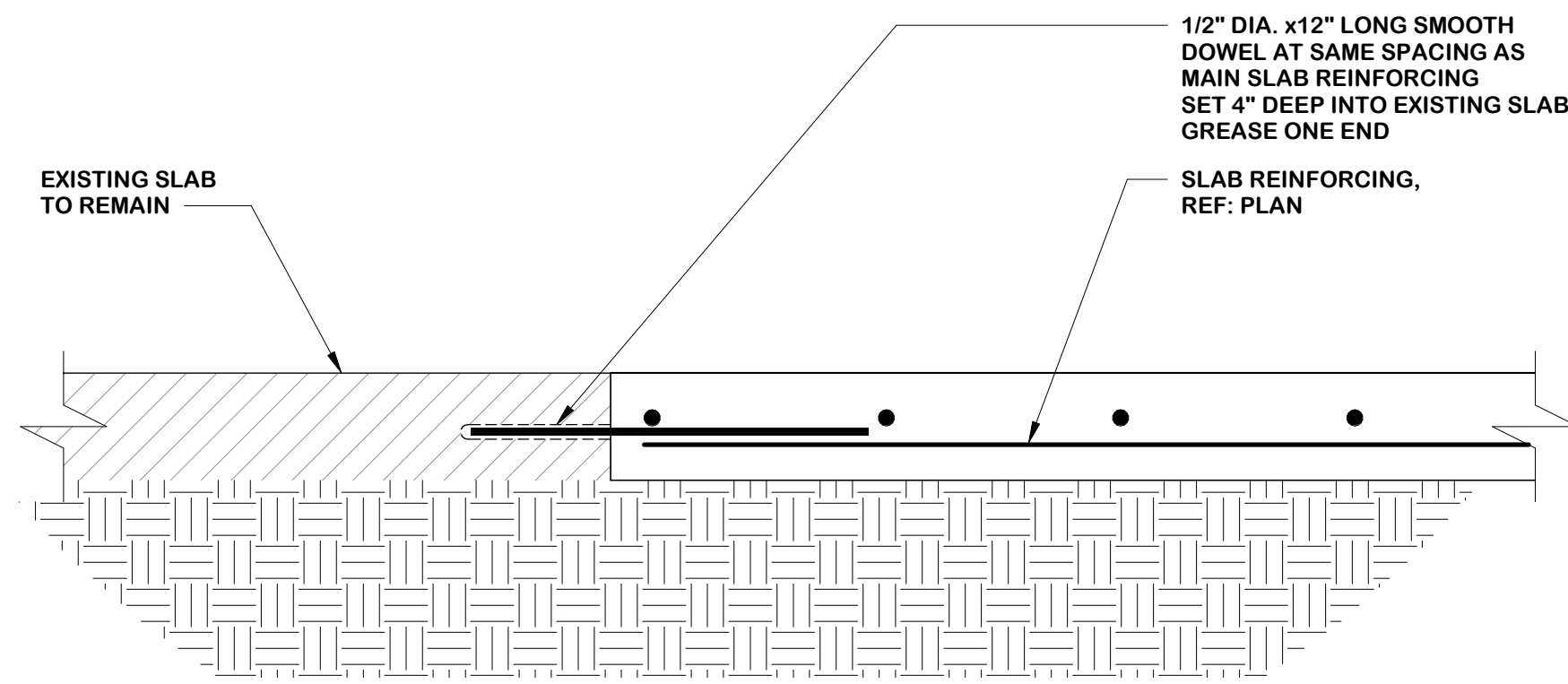


1 LAP SPLICE FOR CONCRETE
 1/2" = 1'-0"

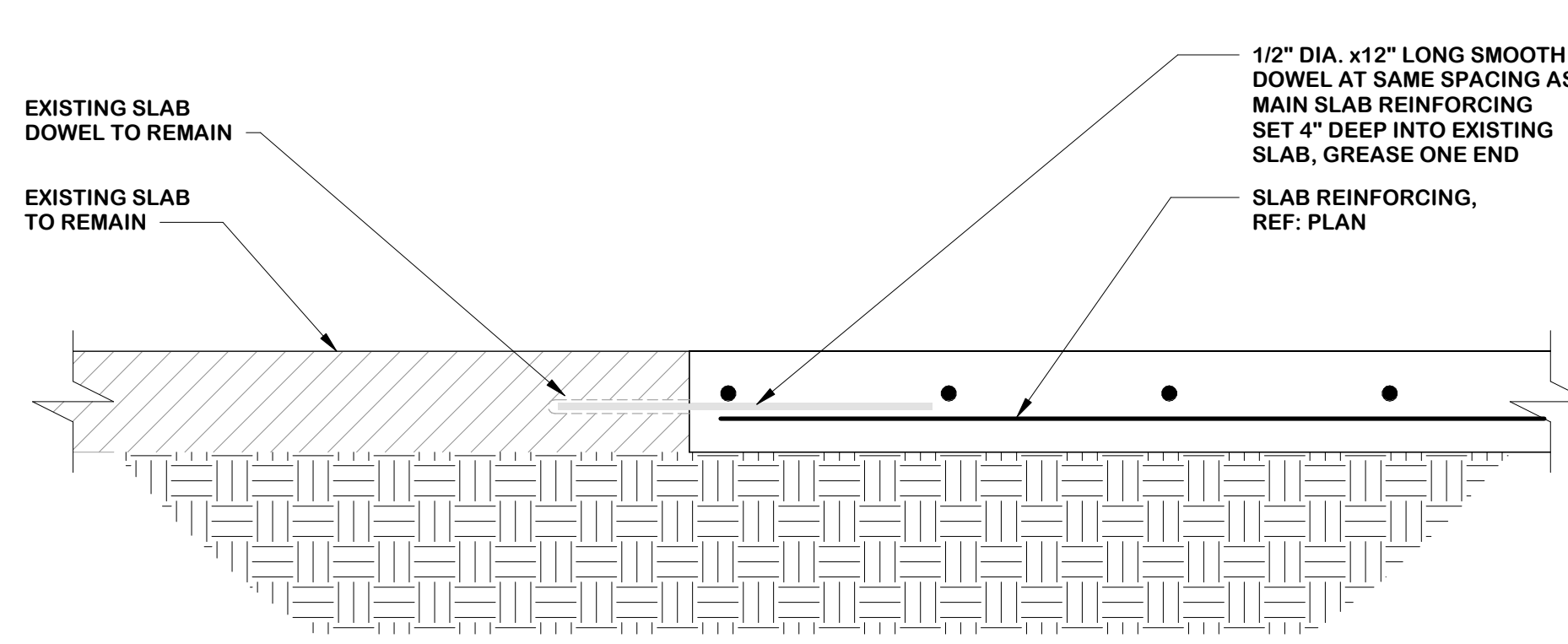
2 TYPICAL CONTRACTION JOINTS
 1/2" = 1'-0"

3 STEEL STUD ATTACHMENT TO CONCRETE BASE
 1/2" = 1'-0"

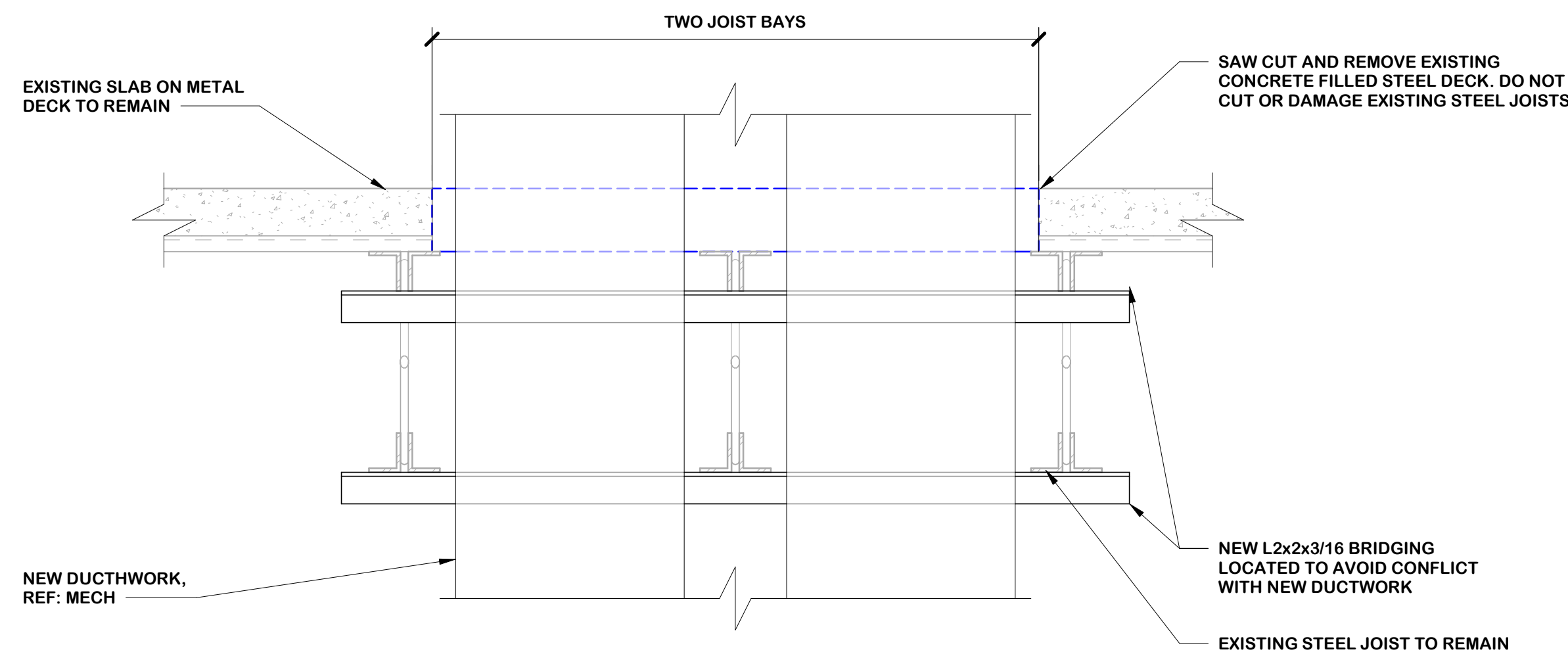
4 NEW SLAB AT EXISTING COLUMN
 1/2" = 1'-0"



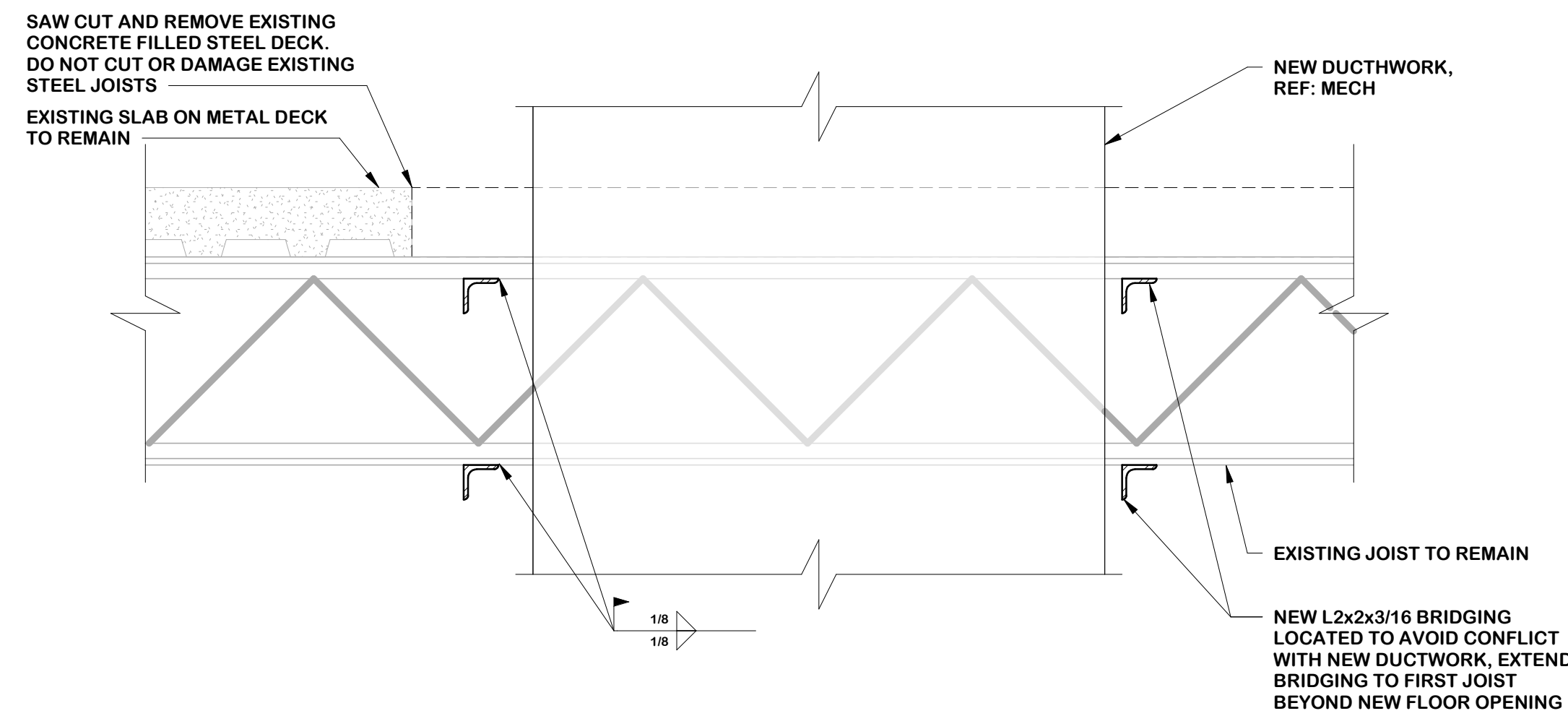
5 NEW SLAB WITH NEW DOWELS
 1 1/2" = 1'-0"



6 NEW SLAB WITH EXISTING DOWELS
 1 1/2" = 1'-0"



7 FRAMING SECTION
 1 1/2" = 1'-0"



8 FRAMING SECTION
 1 1/2" = 1'-0"

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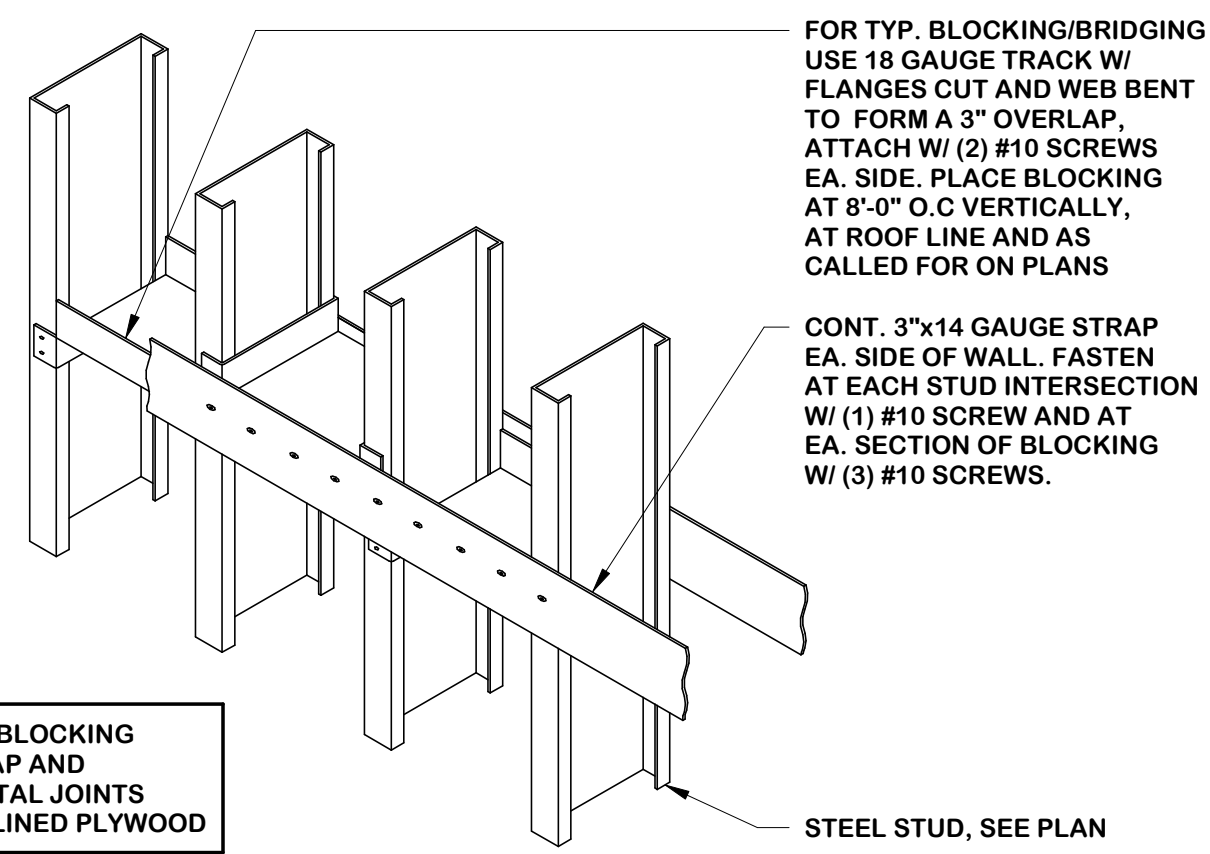
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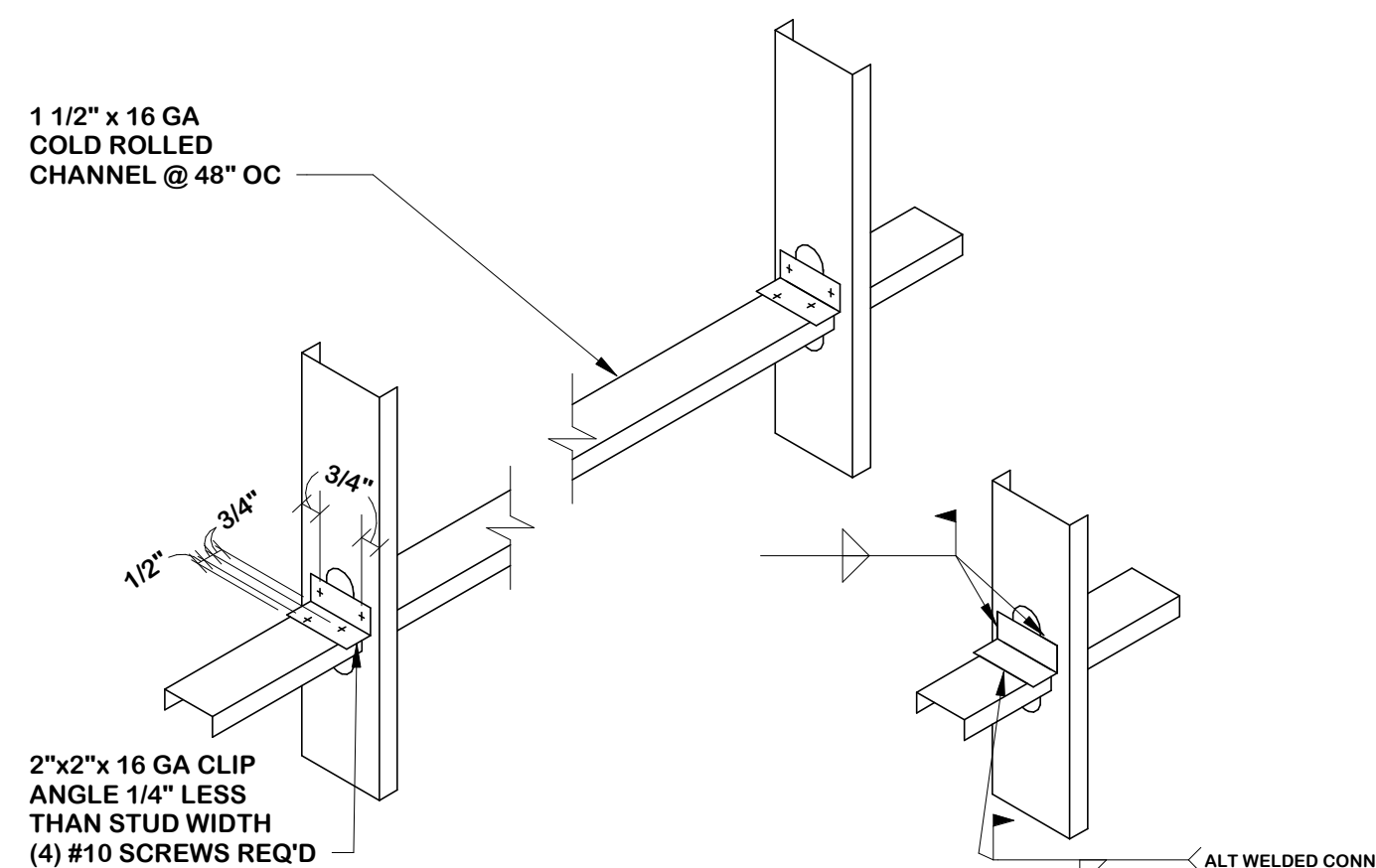
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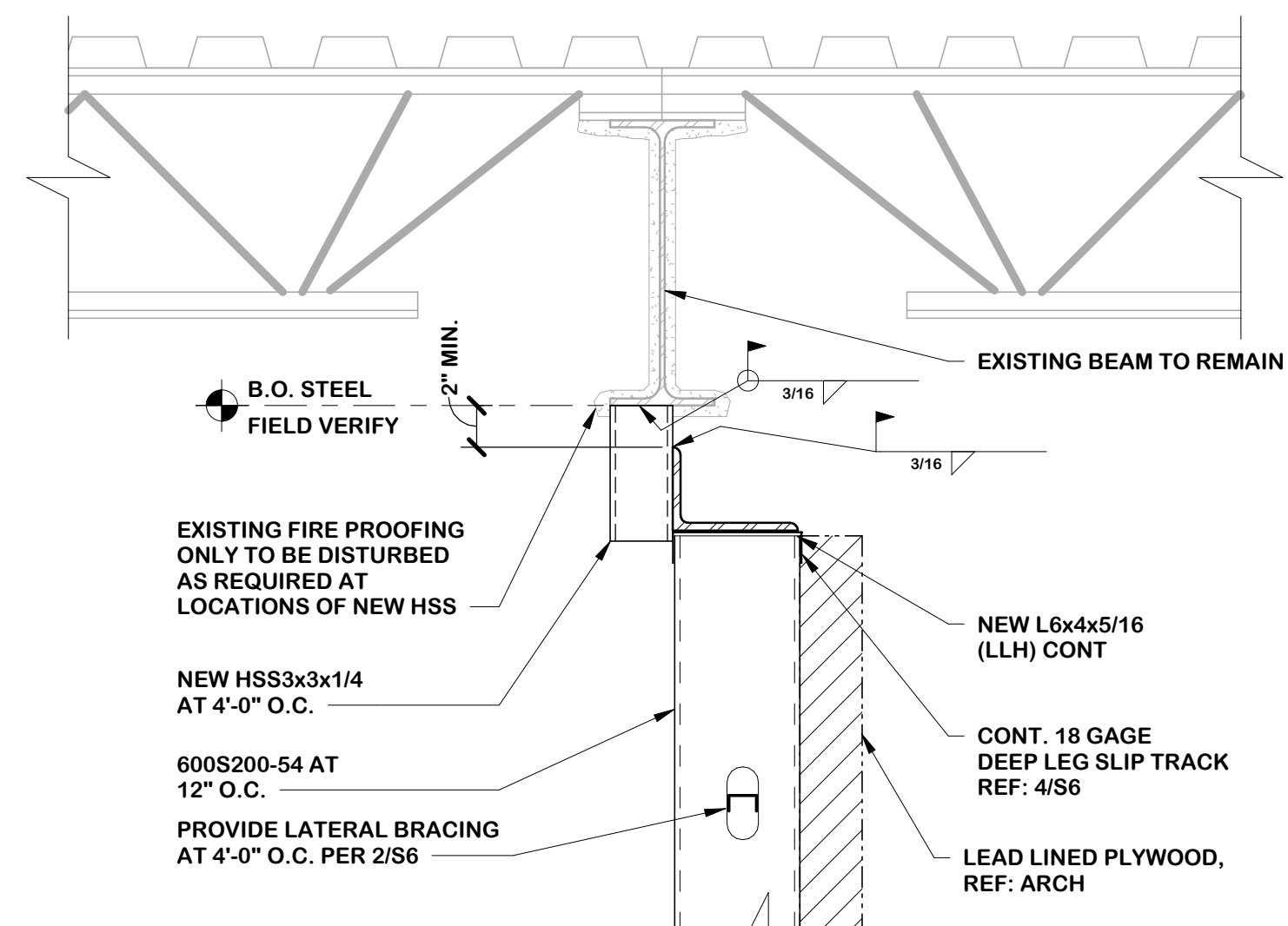
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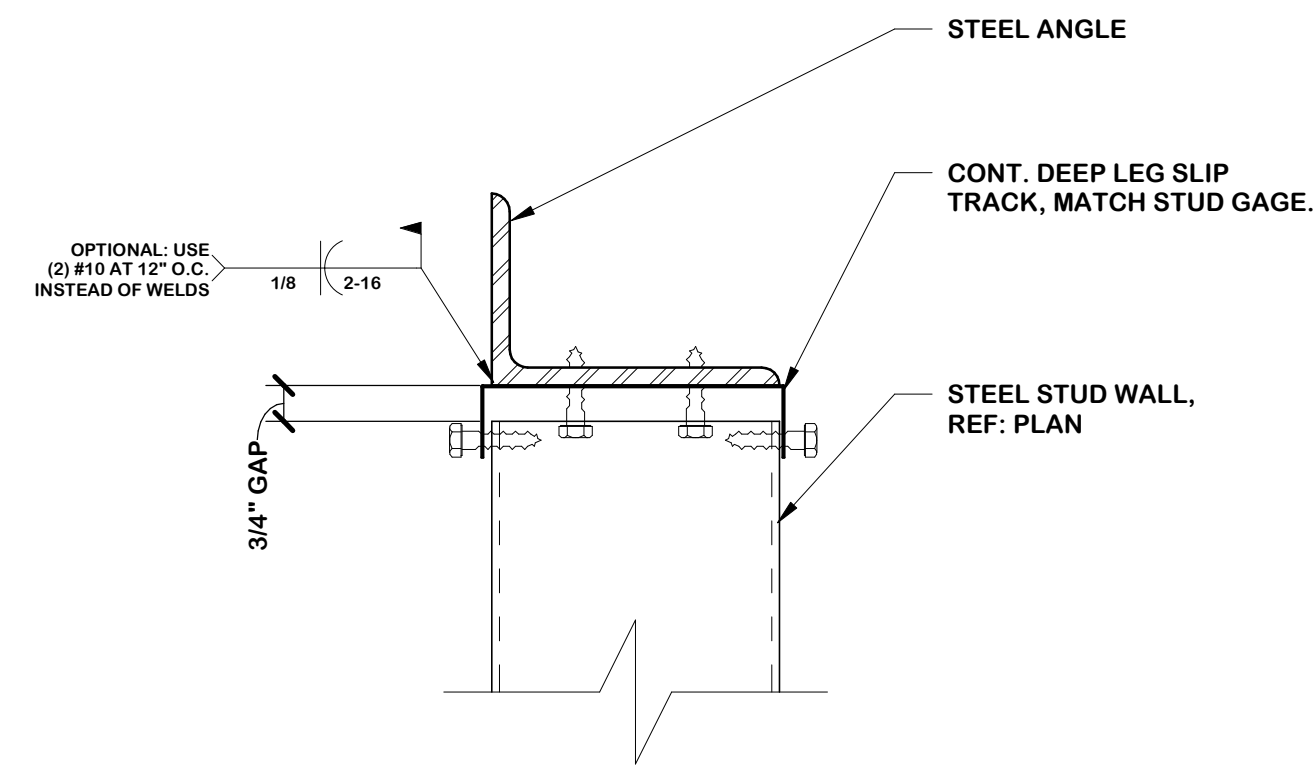
1 TYPICAL BLOCKING AND STRAP
1 1/2" = 1'-0" LG401



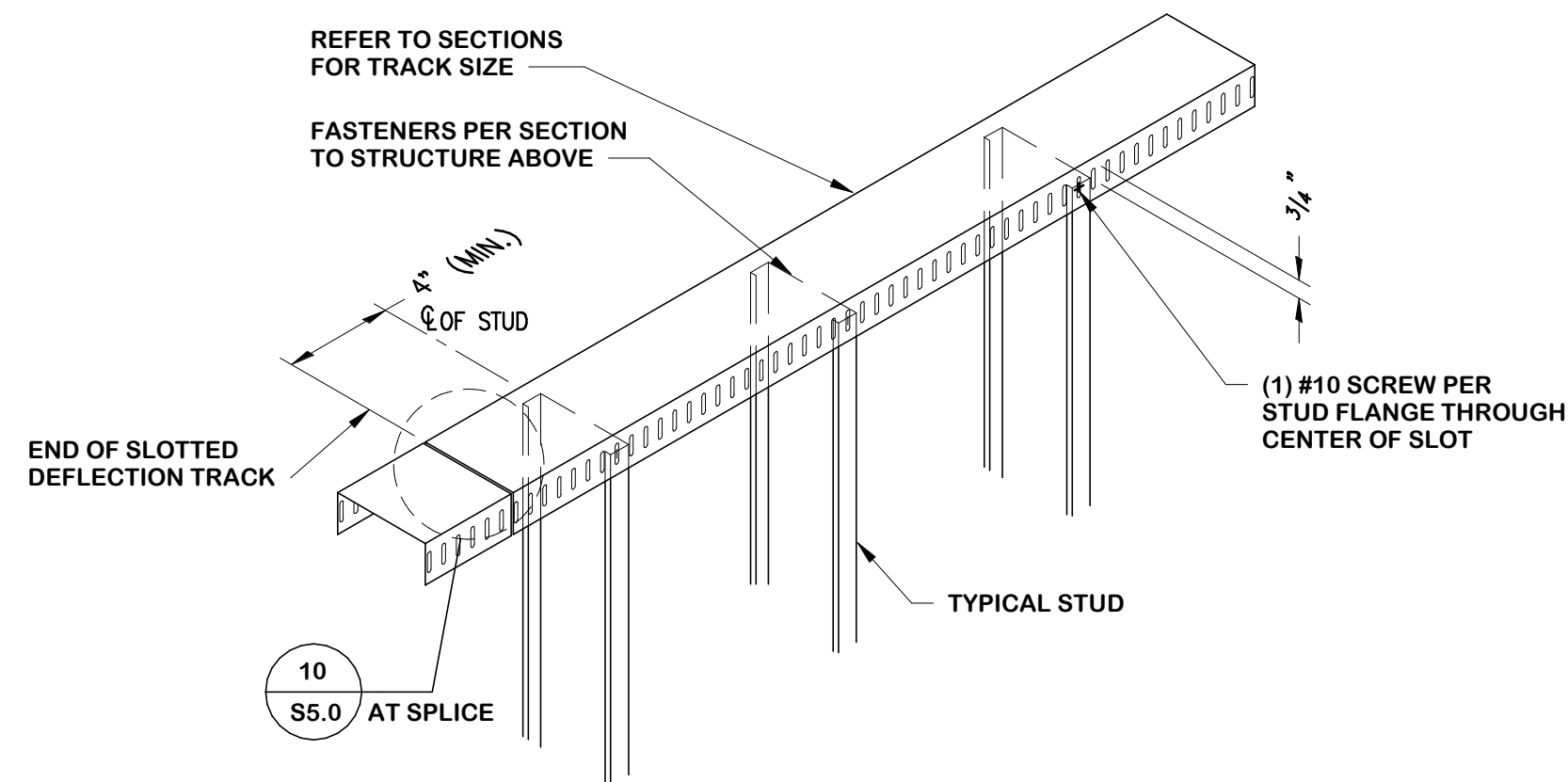
2 TYPICAL LATERAL BRACING
1 1/2" = 1'-0" LG401A



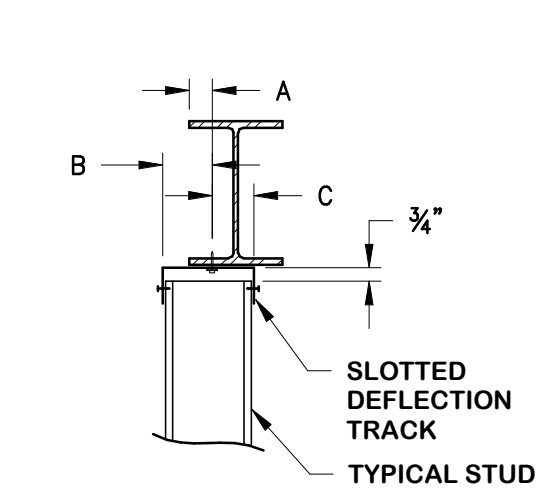
3 FRAMING SECTION
1 1/2" = 1'-0"



4 METAL STUD WALL TO STEEL ANGLE
3" = 1'-0"



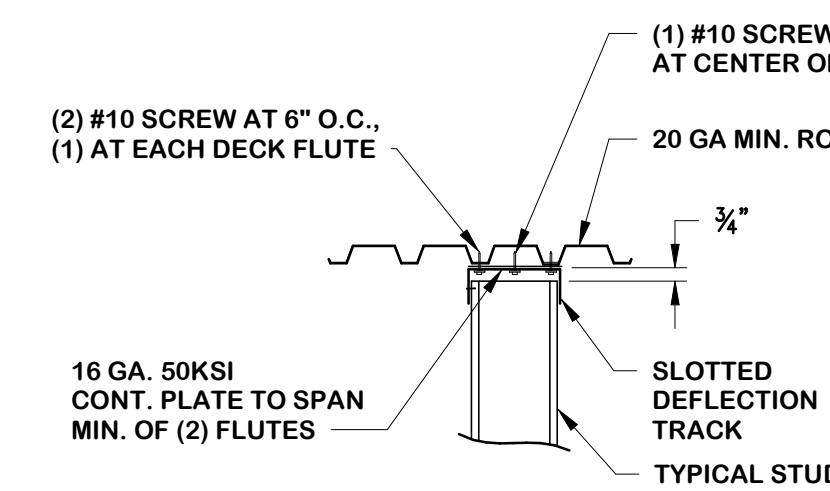
5 SLOTTED DEFLECTION TRACK DETAILS
1 1/2" = 1'-0"



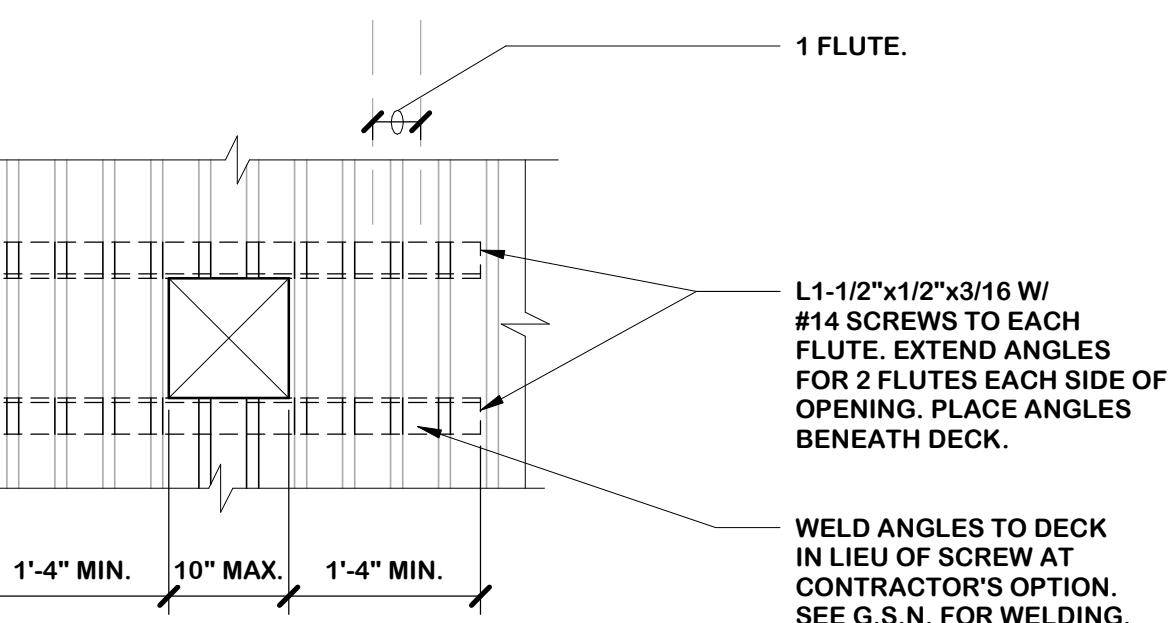
6 SLOTTED DEFLECTION SPLICE DETAIL
1 1/2" = 1'-0"

WALL OUTSIDE EDGE OF BEAM

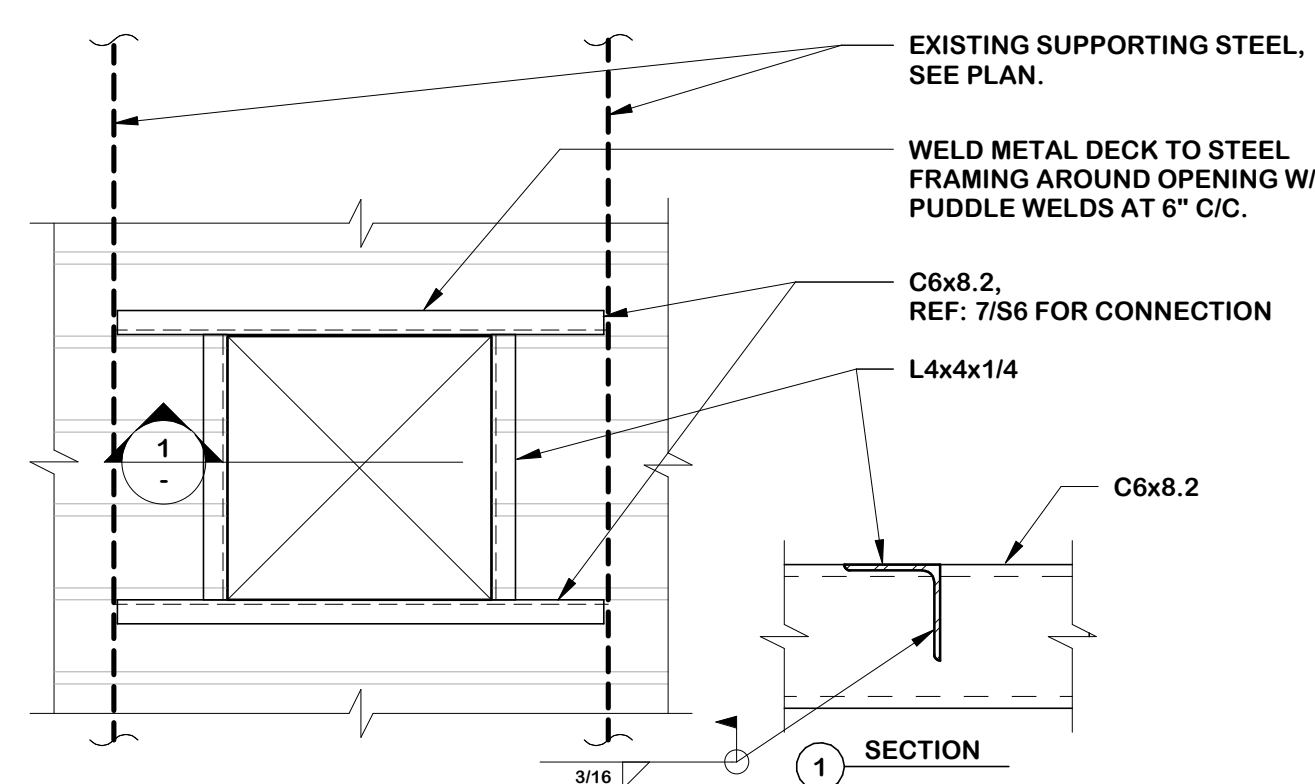
NOTE:
DIMENSIONS A, B AND C MUST ALL BE AT LEAST 2" (MIN.).



7 MISC. FRAMING TO TOP OF STEEL JOIST
1 1/2" = 1'-0" S415



8 SMALL OPENING IN EXISTING METAL DECK
1 1/2" = 1'-0"



9 OPENING IN EXISTING STEEL ROOF DECK
1 1/2" = 1'-0"

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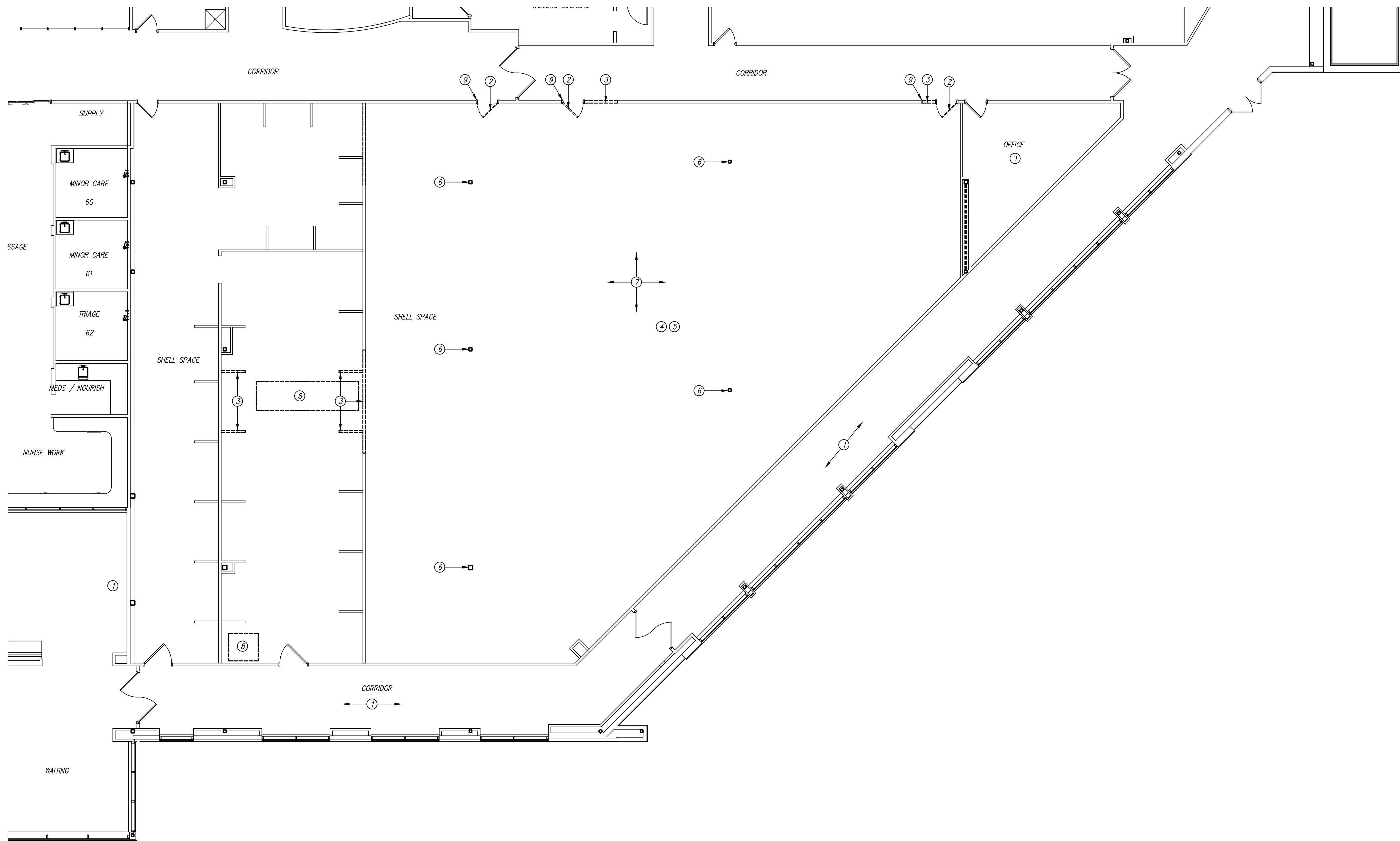
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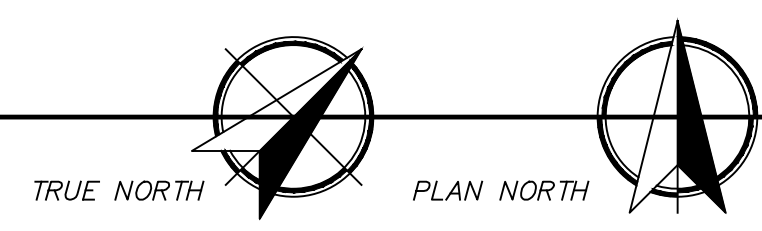
GENERAL NOTES

- 1). REFER TO MPE FOR ADDITIONAL DEMOLITION INFORMATION.
- 2). ON ALL WALLS SCHEDULED TO REMAIN TO BE REWORKED OR RECEIVE NEW FINISH, CONTRACTOR SHALL REMOVE ANY EXISTING EQUIPMENT, DECORATIONS, DEVICES, ETC. AND SALVAGE FOR REINSTALLATION AS DIRECTED BY OWNER. CONTRACTOR IS TO PATCH BACK ANY HOLES OR ABANDONED ANCHORS AND RETEXTURE WALLS IF NECESSARY, AND PREP FOR NEW FINISH AS SCHEDULED.
- 3). NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- 4). CONTRACTOR SHALL PATCH AND REPAIR WALLS, FLOOR, AND CEILINGS AT ALL INTERSECTIONS WHERE WALLS ARE REMOVED OR WHERE DEVICES, EQUIPMENT, ACCESSORIES, ETC. ARE REMOVED. PREP WALLS TO RECEIVE NEW FINISH. NEW CONSTRUCTION SHOULD MATCH ADJACENT FINISHES AND MATERIALS AND PROVIDE SMOOTH AND COMPLETE TRANSITION.
- 5). ALL ITEMS INDICATED TO BE SALVAGED ARE TO BE VERIFIED WITH THE OWNER. IF OWNER DECLINES SALVAGE, CONTRACTOR SHALL REMOVE ITEMS FROM THE SITE AND DISPOSE OF THEM PROPERLY.
- 6). ALL ABANDONED PIPING, CONDUIT, WIRING, ETC. IS TO BE REMOVED BACK TO THE SOURCE, I.E. FURTHER JOINT WHERE NOTHING ELSE IS SERVED OFF OF THE SAME FEED.

KEYED NOTES

- DESIGNATED BY:
- ① NO WORK IN THIS AREA.
 - ② REMOVE EXISTING DOOR, FRAME AND HARDWARE. SALVAGE FOR OWNER REUSE.
 - ③ REMOVE PORTION OF WALL TO ACCOMMODATE NEW WORK.
 - ④ PREP ALL WALLS SCHEDULED TO REMAIN TO RECEIVE NEW PAINT. REMOVE ANY ABANDONED ANCHORS, REPAIR ANY GOUGES OR HOLES AND RE-TEXTURE WALLS AS REQUIRED TO RECEIVE NEW FINISH.
 - ⑤ REFER TO STRUCTURAL DRAWINGS FOR CONCRETE SLAB DESIGN. PROTECT THE EXISTING VAPOR BARRIER TO THE GREATEST EXTENT POSSIBLE AND PATCH BACK AS NEEDED TO PROVIDE CONTINUOUS COVERAGE UNDER ALL NEW CONCRETE SLAB WITH NO PUNCTURES, TEARS, OR HOLES. TAPE ALL OPEN SEAMS AND JOINTS.
 - ⑥ SPRAY-APPLIED FIREPROOFING AROUND COLUMN TO REMAIN. MAINTAIN REQUIRED THICKNESS FOR RATING AND REPAIR AS NEEDED. PROTECT DURING CONSTRUCTION.
 - ⑦ ALL EXISTING SPRAY-APPLIED FIREPROOFING IS TO REMAIN AS EXISTING. IF REMOVAL IS REQUIRED FOR ATTACHMENT OF STRUCTURE, FRAMING, MECHANICAL, PLUMBING, OR ELECTRICAL ELEMENT ATTACHMENT, ETC. IT IS REQUIRED THAT THIS BE RE-APPLIED TO MATCH REQUIRED THICKNESS.
 - ⑧ REMOVE PORTION OF EXISTING SLAB TO ACCOMMODATE NEW DUCTWORK. REFER TO MPE AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.
 - ⑨ REMOVE EXISTING CONTROL JOINTS AND PREP NEW OPENING WITH NEW CONTROL JOINT(S) AT FRAME OPENING CORNERS IF PRESENT OR PREP WALL FOR NEW FINISH AS REQUIRED FOR NEW CONSTRUCTION.

27/A1 DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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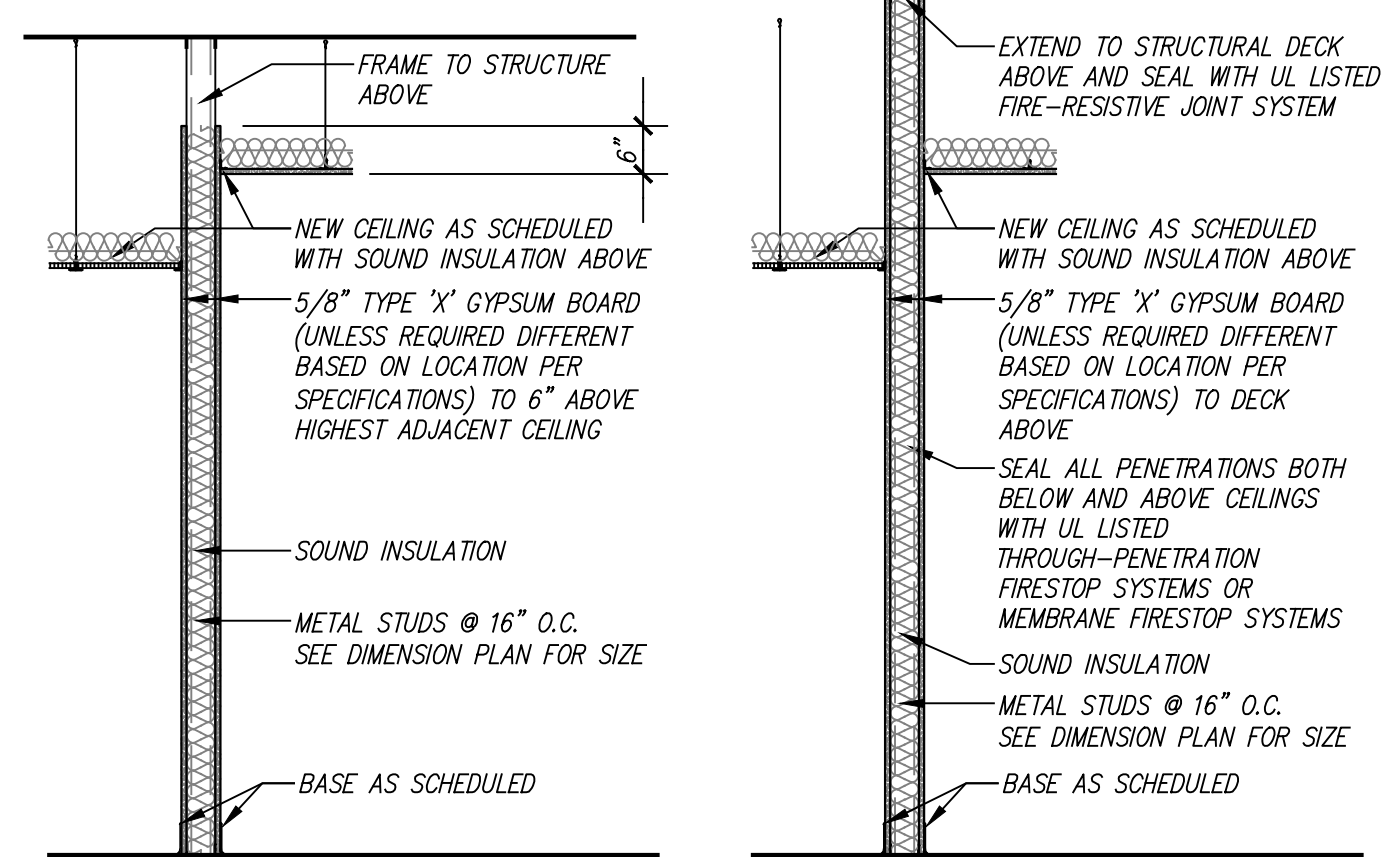
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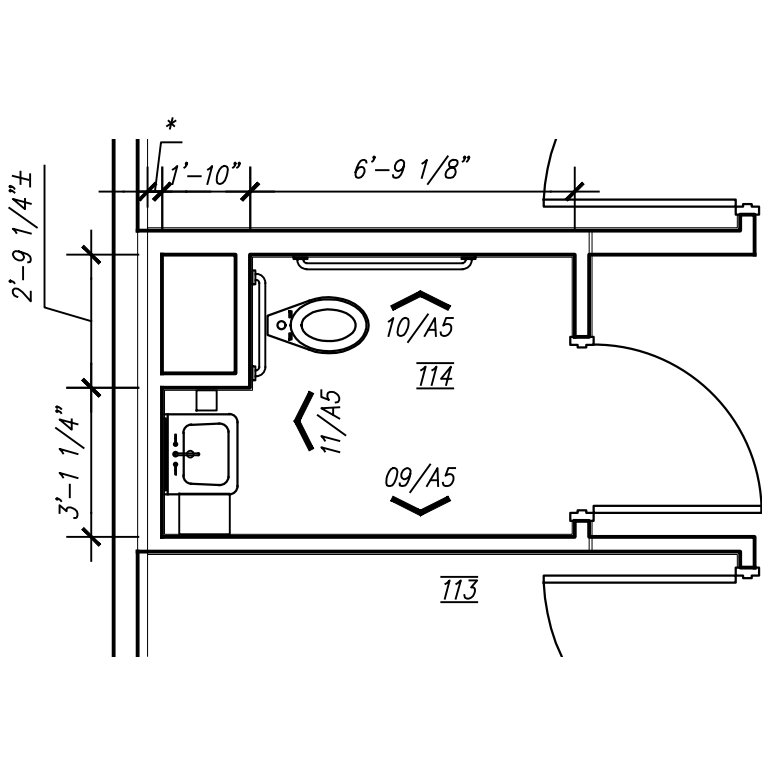


27/A2 DIMENSION PLAN
SCALE: 1/8" = 1'-0"

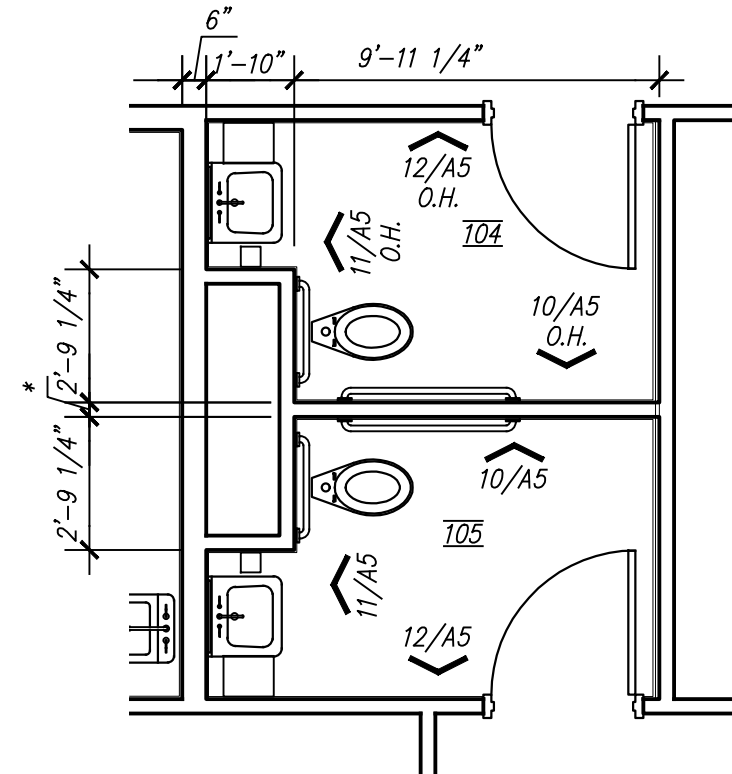
PARTITION SCHEDULE



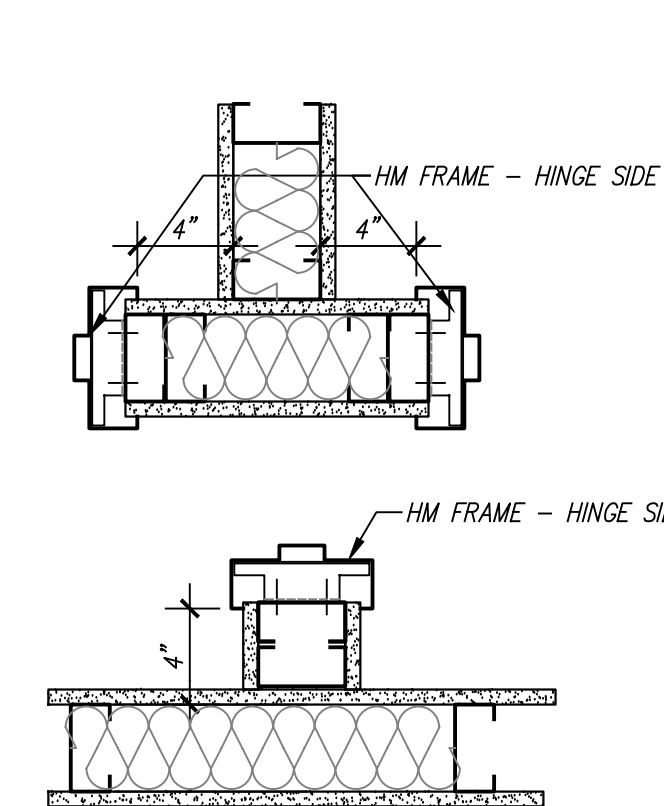
(P1) TYPICAL NON-LOAD BEARING PARTITION
(P2) NEW ONE HOUR FIRE RATED TYPICAL NON-LOAD BEARING PARTITION - UL ASSEMBLY U419



16/A2 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



12/A2 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



08/A2 TYPICAL FRAME BACKSET
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

- ALL DIMENSIONS ARE ACTUAL DIMENSIONS TO FACE OF METAL STUDS, OR FACE OF EXISTING WALL FINISH UNLESS NOTED OTHERWISE.
- FIELD VERIFY ALL DIMENSIONS, NEW OR EXISTING, PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK WITH EQUIPMENT MANUFACTURER'S DIMENSIONAL REQUIREMENTS. THIS INCLUDES CONTRACTOR AND OWNER PROVIDED EQUIPMENT.
- * = 3 5/8" MTL. STUDS @ 16" O.C.
- THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE ACCESSIBILITY CODE REQUIREMENTS. THE CONTRACTOR SHALL BE AWARE OF ALL DIMENSIONALLY CRITICAL AREAS AND COMPLY WITH APPLICABLE STANDARDS. IF THERE ARE ANY DISCREPANCIES, THESE ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- AT ALL NEW FLOOR DRAIN LOCATIONS, THE SLAB IS TO BE RECESSED AND SLOPED FOR POSITIVE DRAINAGE. UNLESS NOTED OTHERWISE, SLOPE IS TO BE 1/8" x 1'-0" WITH A 1/4" x 3/8" OVERALL RECESS. EXISTING SLABS ARE TO BE CHIPPED OUT TO ACCOMMODATE.
- ALL WALLS ARE TO BE PARTITION TYPE 'P1' UNLESS NOTED OTHERWISE.

KEYED NOTES

- DESIGNATED BY: (1) (2) (3) (4) (5) (6) (7) (8)
- THIS WALL TO RECEIVE (2) LAYERS OF 3/4" LEAD-LINED PLYWOOD WITH 1/2" LEAD SHEET (1" TOTAL LEAD) ON THE ROOM SIDE OF THE WALL UP TO 8'-0" A.F.F. RUN LEAD LINING CONTINUOUSLY WHERE PERPENDICULAR WALLS ABUT. ABOVE 8'-0", INSTALL 2 1/2" HAT CHANNELS. INSTALL 5/8" GYPSUM BOARD ON BOTH OUTSIDE FACES OF THE WALL. REFER TO STRUCTURAL FOR WALL FRAMING.
 - THIS WALL TO RECEIVE (2) LAYERS OF 3/4" LEAD-LINED PLYWOOD WITH 1/2" LEAD SHEET (1" TOTAL LEAD) ON THE ROOM SIDE OF THE WALL UP TO 8'-0" A.F.F. RUN LEAD LINING CONTINUOUSLY WHERE PERPENDICULAR WALLS ABUT. ABOVE 8'-0", INSTALL 2 1/2" HAT CHANNELS. INSTALL 5/8" GYPSUM BOARD ON NEW OUTSIDE FACE OF THE WALL. REFER TO STRUCTURAL FOR WALL FRAMING. NEW FRAMING TO RUN PARALLEL ON THE INSIDE OF EXISTING WALL FRAMING.
 - THIS WALL TO RECEIVE (2) LAYERS OF 3/4" LEAD-LINED PLYWOOD WITH 1/2" LEAD SHEET (1" TOTAL LEAD) ON THE ROOM SIDE OF THE WALL UP TO 8'-0" A.F.F. RUN LEAD LINING CONTINUOUSLY WHERE PERPENDICULAR WALLS ABUT. ABOVE 8'-0", INSTALL 2 1/2" HAT CHANNELS. INSTALL 3 5/8" FURROUT WALL IN FRONT OF LEAD-LINED WALL FOR PLUMBING CHASE. INSTALL 5/8" GYPSUM BOARD ON NEW OUTSIDE FACE OF THE WALL. REFER TO STRUCTURAL FOR WALL FRAMING.
 - THIS FACE OF THIS WALL TO RECEIVE (1) LAYERS OF 5/8" LEAD-LINED GYPSUM BOARD WITH 1/8" LEAD SHEET. RUN LEAD-LINING CONTINUOUS AND WRAP BEHIND ANY MEMBRANE PENETRATIONS WITH LEAD. REFER TO RADIATION PROTECTION SPECIFICATIONS FOR REQUIREMENTS.
 - THIS FACE OF THIS WALL TO RECEIVE (1) LAYERS OF 1/2" LEAD-LINED PLYWOOD WITH 1/4" LEAD SHEET. INSTALL 5/8" GYPSUM BOARD OVER THIS. RUN LEAD-LINING CONTINUOUS AND WRAP BEHIND ANY MEMBRANE PENETRATIONS WITH LEAD. REFER TO RADIATION PROTECTION SPECIFICATIONS FOR REQUIREMENTS.
 - THIS FACE OF THIS WALL TO RECEIVE (1) LAYERS OF 5/8" LEAD-LINED GYPSUM BOARD WITH 1/16" LEAD SHEET. RUN LEAD-LINING CONTINUOUS AND WRAP BEHIND ANY MEMBRANE PENETRATIONS WITH LEAD. REFER TO RADIATION PROTECTION SPECIFICATIONS FOR REQUIREMENTS.
 - ALIGN FINISHES.
 - 4" SHAFTWALL FRAMING WITH 2 HOUR FIRE RATED CONSTRUCTION FROM THE SLAB TO ROOF STRUCTURE ABOVE. SHAFT SHALL BE SIZED APPROPRIATELY TO CONTAIN INSULATED MECHANICAL DUCTS WITH MIN. 8" CLEARANCE ON ALL SIDES. ALL JOINTS AND PENETRATIONS TO BE SEALED WITH UL RATED SYSTEMS FOR A COMPLETE ASSEMBLY.

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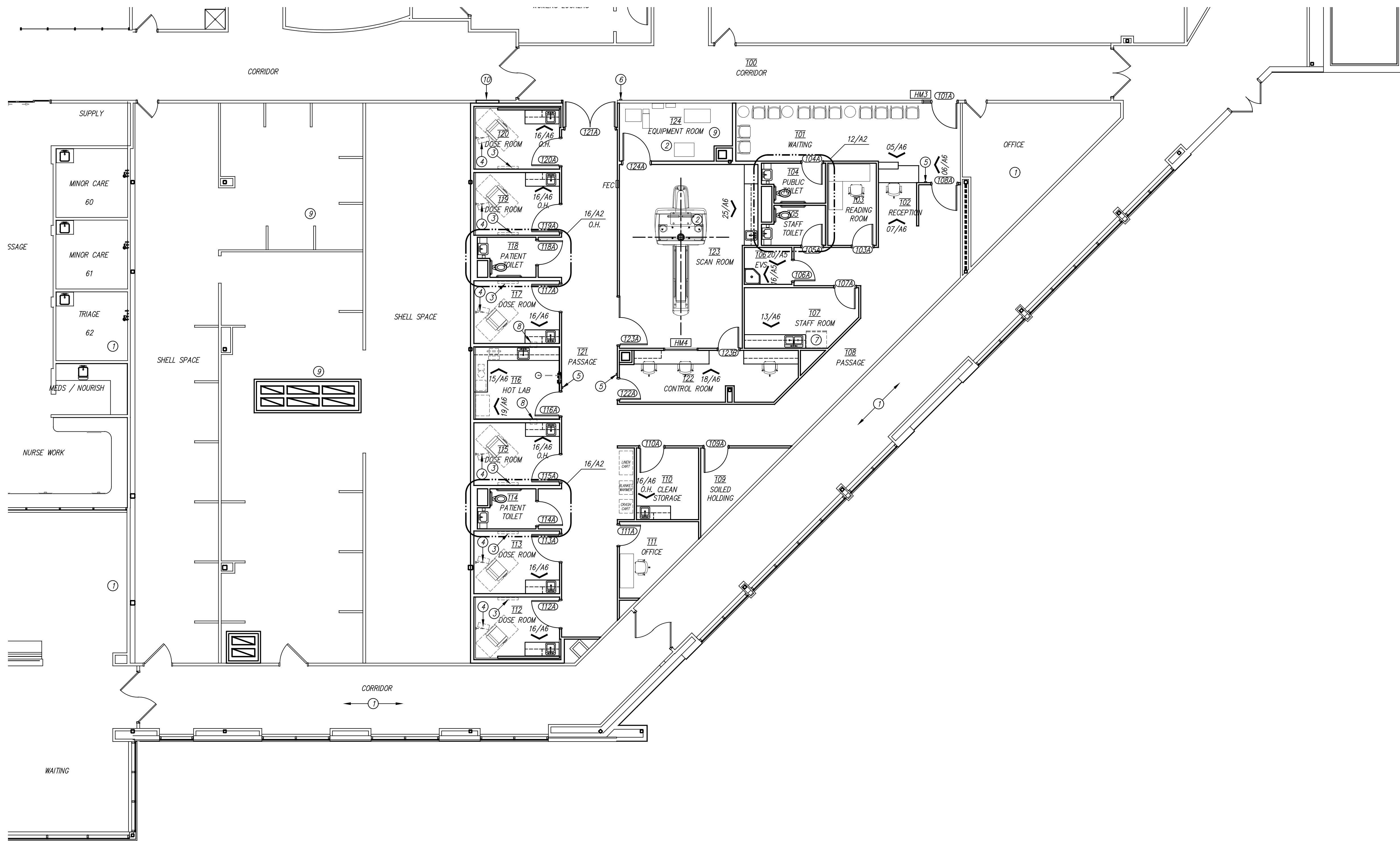
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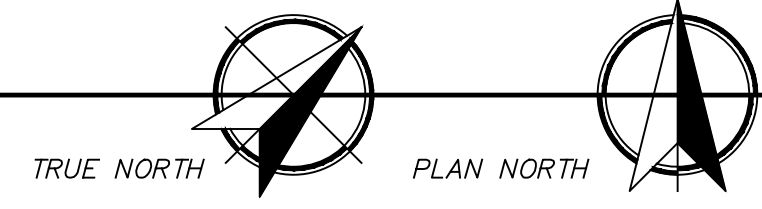
GENERAL NOTES

- 1) ON ALL WALLS SCHEDULED TO REMAIN. PATCH ANY EXISTING HOLES, CRACKS, OR OTHERWISE DAMAGED AREAS AND RE-TEXTURE AND PAINT AS SCHEDULED.
- 2) THE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 3) REFER TO PROJECT MANUAL FOR ROOM FINISH SCHEDULE.
- 4) ALL NEW WALLS TO RECEIVE FULL BATT INSULATION FROM FLOOR TO THE FULL HEIGHT OF THE WALL, INCLUDING ABOVE CEILING.

KEYED NOTES

- DESIGNATED BY:
- 1) NO WORK IN THIS AREA.
 - 2) PET/CT EQUIPMENT. REFER TO MPE AND/OR VENDOR DRAWINGS FOR MORE INFORMATION.
 - 3) WALL MOUNTED FLAT SCREEN T.V. OWNER FURNISHED, CONTRACTOR INSTALLED. INSTALL MIN. 24"x24" AREA OF 3/4" PLYWOOD BLOCKING IN WALL. COORDINATE EXACT LOCATION WITH OWNER.
 - 4) INSTALL .36" HIGH BY 16" WIDE SECTION OF 3/4" IN-WALL BLOCKING STARTING AT 36" A.F.F. FOR WALL MOUNTED BRACKET FOR COMPUTER AND MONITOR TO BE PROVIDED AND INSTALLED BY OTHERS.
 - 5) ACCESS CONTROL CARD READER. REFER TO ELECTRICAL.
 - 6) ACCESS CONTROL CARD READER CONNECTED TO POWER OPERATOR. REFER TO ELECTRICAL AND DOOR HARDWARE SCHEDULE.
 - 7) REFRIGERATOR. OWNER FURNISHED AND INSTALLED.
 - 8) 12"x12" LEAD-LINED, STAINLESS-STEEL PASS-THROUGH BOX WITH 1/4" LEAD-LINING.
 - 9) CONTRACTOR TO PROVIDE APPROPRIATE TPO SYSTEM DETAILS TO FLASH IN NEW CURBS AND PATCH BACK MATERIALS AS REQUIRED AT NEW ROOF PENETRATIONS.
 - 10) INFILL ABANDONED OPENING WITH CRASHRAIL TO MATCH EXISTING FOR A CONTINUOUS RUN.

27/A3 ANNOTATED PLAN
SCALE: 1/8" = 1'-0"



FLOOR PLAN LEGEND

- NEW DOOR - REFER TO DOOR SCHEDULE
- WINDOW DESIGNATION - REFER TO FRAME SCHEDULE
- NEW FIRE EXTINGUISHER AS SPECIFIED

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
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GENERAL NOTES

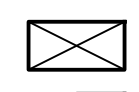


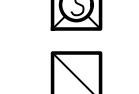



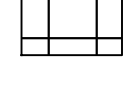
- COORDINATE LOCATION OF LIGHT FIXTURES AND HVAC GRILLES WITH CEILING GRID. NOTIFY ARCHITECT OF ANY DISCREPANCIES. IF LAYOUT OR QUANTITIES DIFFER FROM MPE SHEETS AND DISCREPANCIES ARE NOT ADDRESSED PRIOR TO BID, CONTRACTOR SHALL PROVIDE FIXTURES TO COVER THE LARGER QUANTITIES INDICATED.
- EXCEPT FOR CEILING TILES HOUSING DEVICES, DO NOT INSTALL ANY CEILING TILES IN GRID UNTIL AFTER PRE-FINAL INSPECTION HAS BEEN PERFORMED AND DEFICIENCIES CERTIFIED AS CORRECTED.
- INSTALL 3 1/2" SOUND BATT INSULATION CONTINUOUSLY ABOVE ALL CEILINGS IN AREA OF WORK, INCLUDING EXISTING CEILINGS WHERE SIMILAR SOUND BATTS DO NOT EXIST.
- CLEAN ALL HVAC GRILLES AND LIGHT FIXTURE LENSES IN AREA OF WORK.
- FIRE SPRINKLER SYSTEM IS TO BE LAID OUT IN ACCORDANCE WITH NFPA 13 AS REQUIRED TO PROVIDE COMPLETE COVERAGE FOR ALL WORK AREAS.
- ALL CEILING MOUNTED DEVICES AND FIXTURES INDICATED ON THIS PLAN ARE SHOWN FOR LOCATION AND COORDINATION ONLY. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING FOR ADDITIONAL CEILING-MOUNTED ITEMS.
- ALL CEILINGS TO BE INSTALLED AT 8'-0" A.F.F. UNLESS NOTED OTHERWISE.
- REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL CEILING-MOUNTED ITEMS.

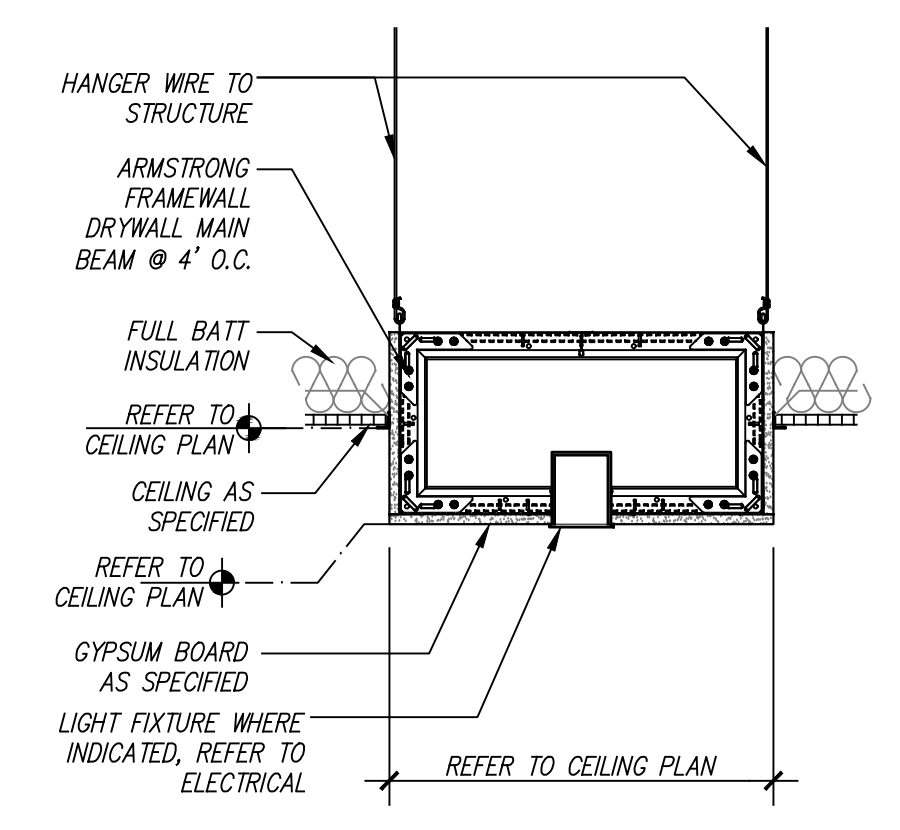
KEYED NOTES

- DESIGNATED BY: 
- NO CEILING WORK IN THIS AREA.
 - CONTINUE EXISTING CEILING GRID INTO THIS ALCOVE. MATCH EXISTING TILE.
 - PAINTED GYPSUM BOARD FURRDOWN AT 7'-6" A.F.F.
 - LAY-IN CEILING AT 9'-0" A.F.F.
 - CENTER CEILING GRID ON ISO CENTER.
 - CEILING MOUNTED INJECTOR - REFER TO STRUCTURAL FOR MORE INFORMATION.
 - CEILING MOUNTED PATIENT POSITIONING CAMERA - REFER TO STRUCTURAL FOR MORE INFORMATION.

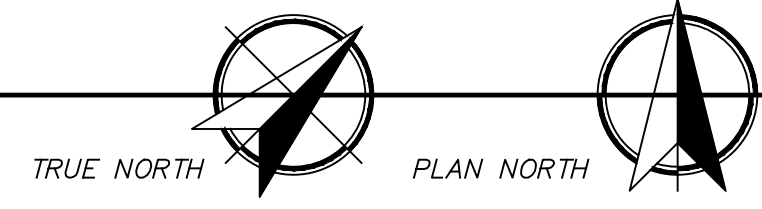
27/A4 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

CEILING PLAN LEGEND

-  2x4 LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS
-  2x2 LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS
-  RECESS MOUNTED LED LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS
-  SUPPLY GRILLE - REFER TO MECHANICAL SHEETS
-  RETURN AIR GRILLE - REFER TO MECHANICAL SHEETS
-  EXHAUST FAN/AIR RETURN - REFER TO MECHANICAL SHEETS
-  PAINTED GYPSUM BOARD CEILING AS SCHEDULED
-  LAY-IN CEILING TILE AND GRID AS SCHEDULED



12/A4 DETAIL
SCALE: 1" = 1'-0"



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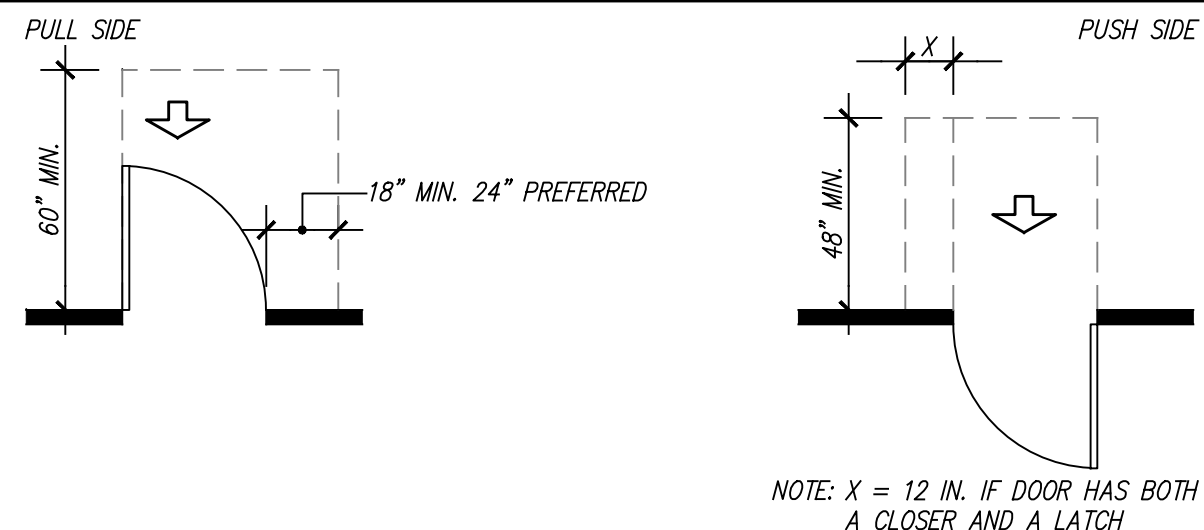
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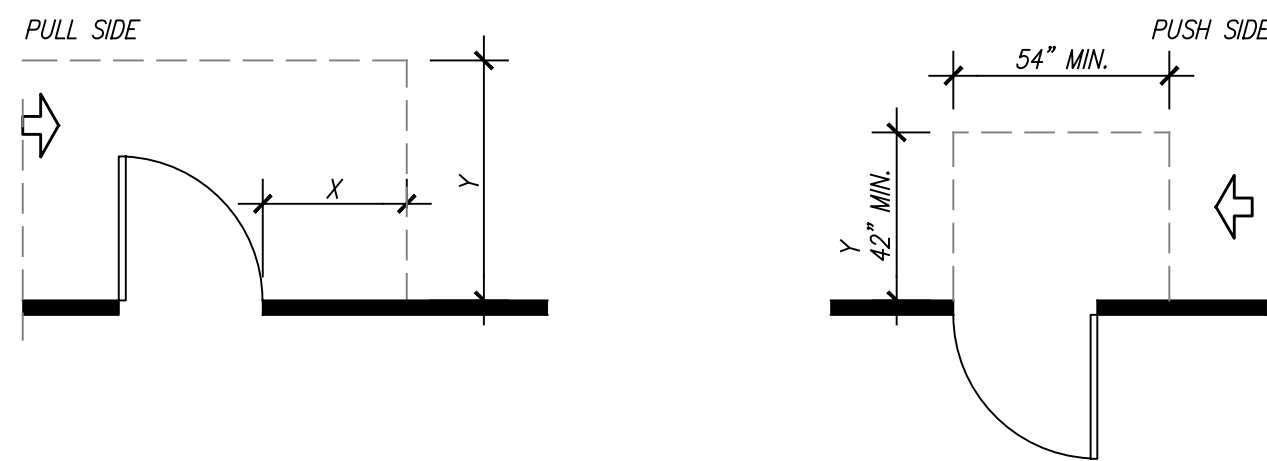
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REQUIRED MINIMUM MANEUVERING CLEARANCES AT DOORS

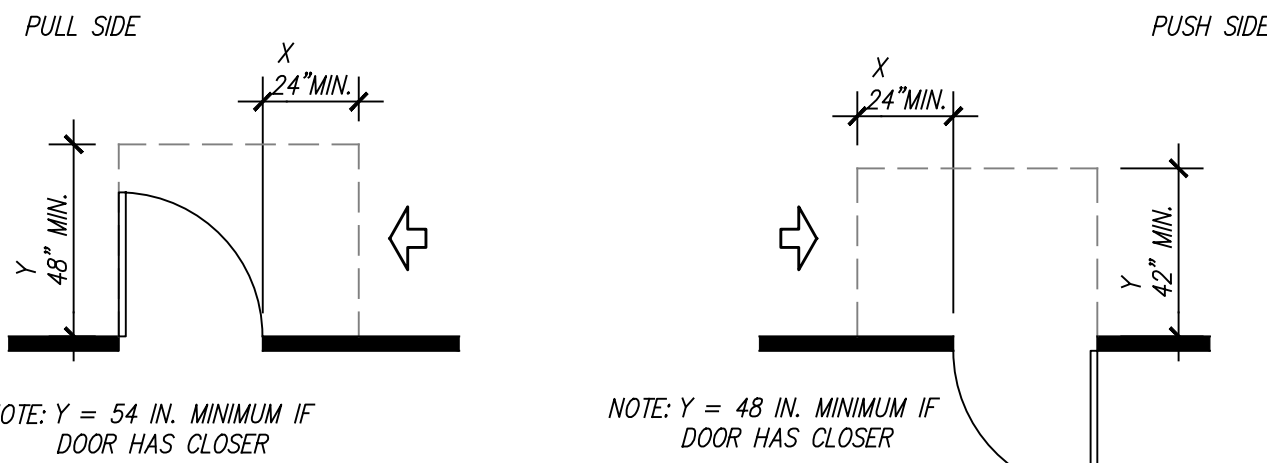


FRONT APPROACHES - SWINGING DOORS



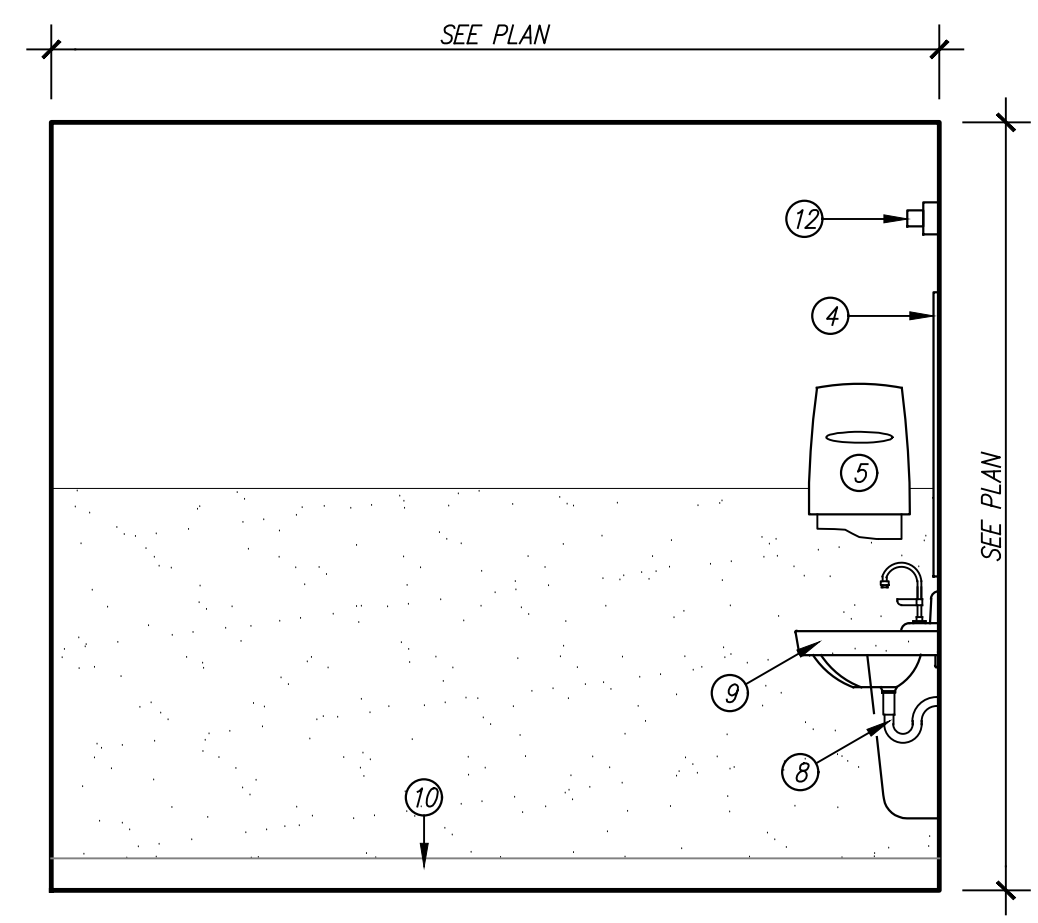
NOTE: X = 36 IN. MINIMUM IF Y = 60"
X = 42 IN. MINIMUM IF Y = 54"

HINGE SIDE APPROACHES - SWINGING DOORS



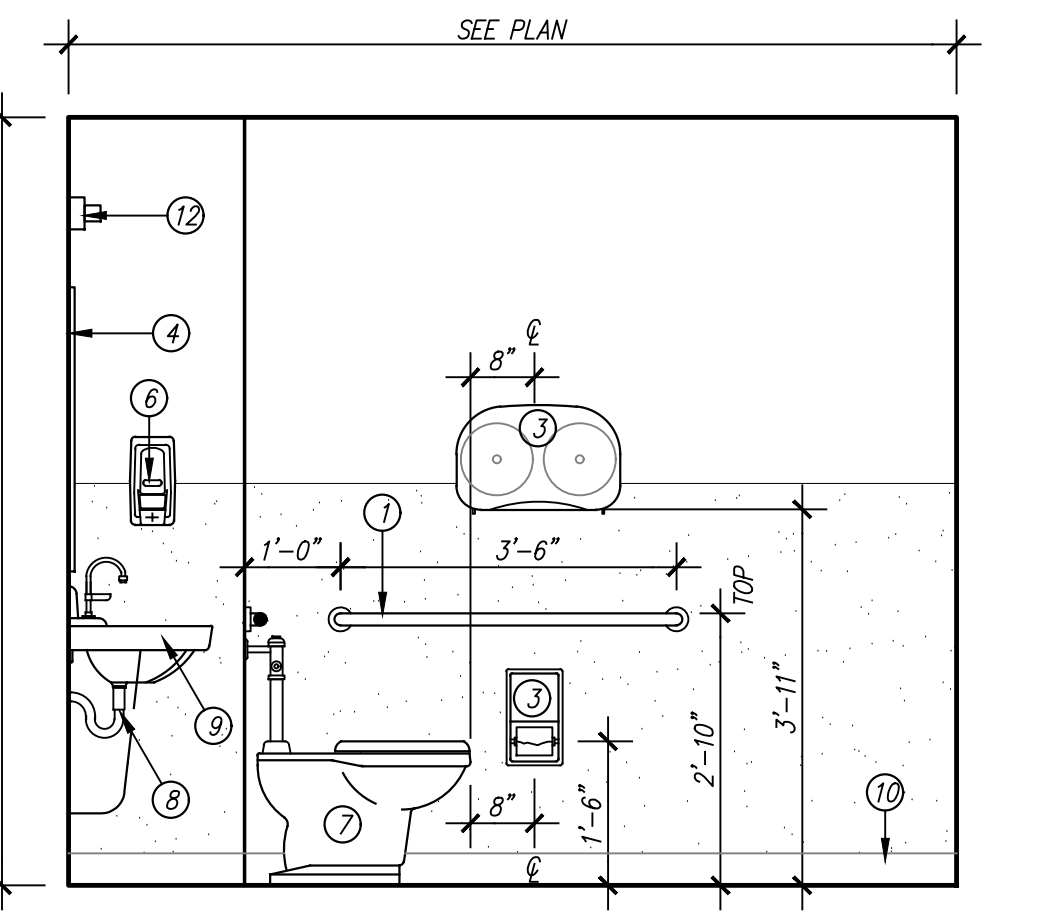
LATCH SIDE APPROACHES - SWINGING DOORS

- NOTES:
- 1) ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES
 - 2) DIMENSIONS ARE FROM EDGE OF DOOR LEAF



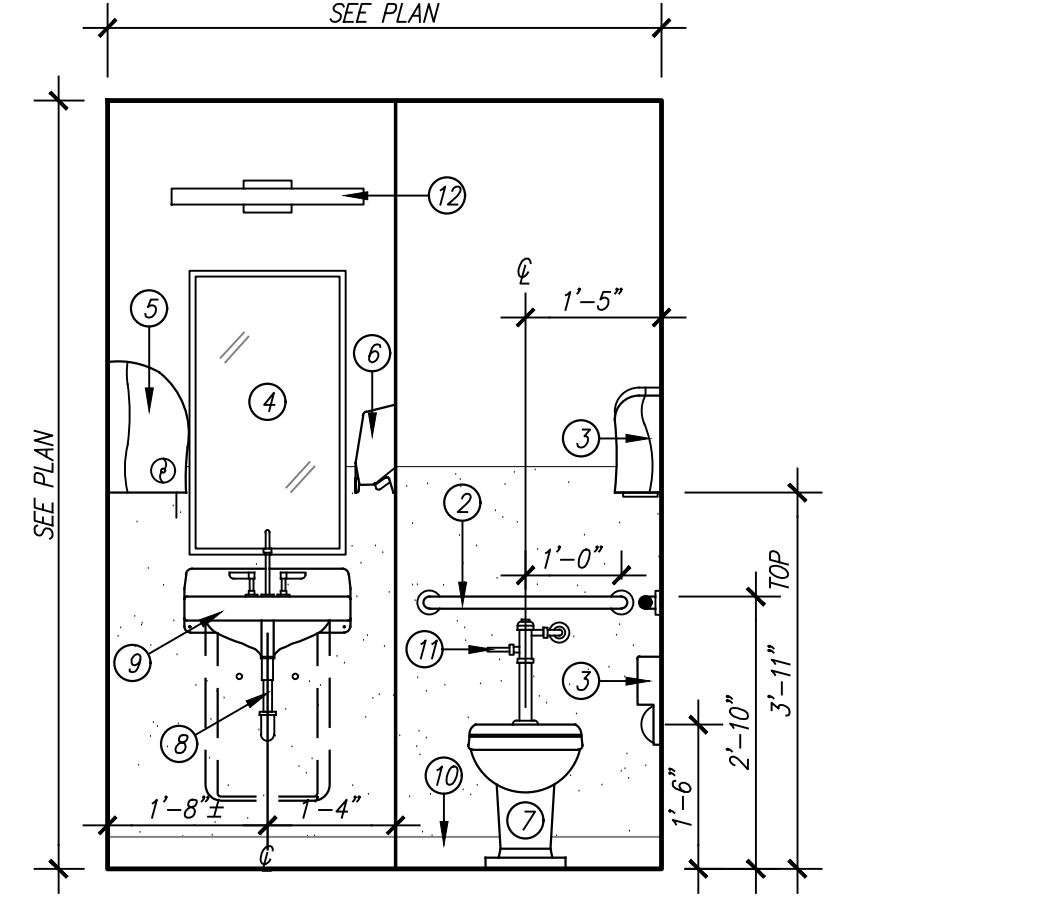
09/A5 INTERIOR ELEVATION

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



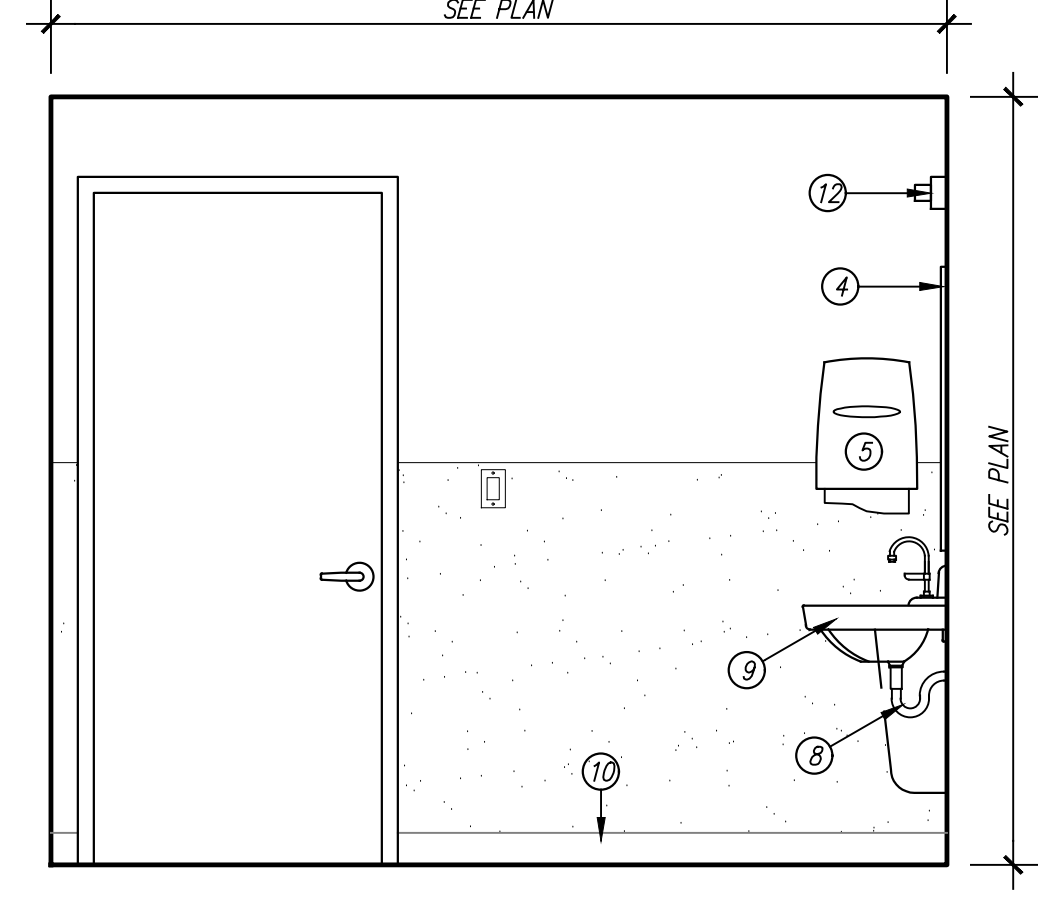
10/A5 INTERIOR ELEVATION

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



11/A5 INTERIOR ELEVATION

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



12/A5 INTERIOR ELEVATION

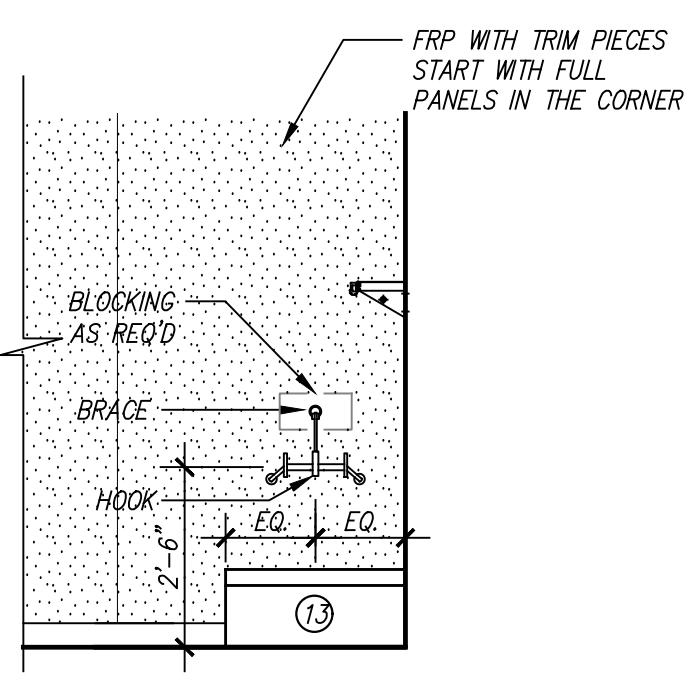
SCALE: 1/2" = 1'-0"

GENERAL NOTES

- 1) ALL ELEVATION DIMENSIONS ARE DIMENSIONS FROM FINISH, NOT FROM STUDS.
- 2) CONTRACTOR SHALL COORDINATE ALL WORK WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.

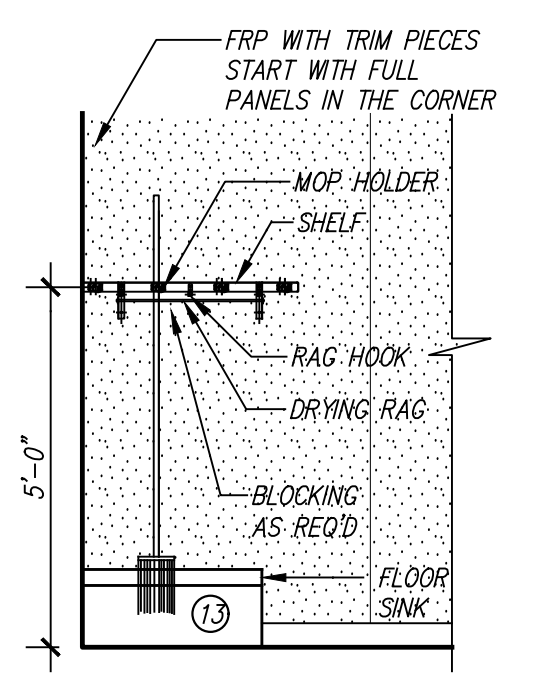
KEYED NOTES

- DESIGNATED BY: ⑦
- ① 1 1/2" Ø - 42" GRAB BAR, REFER TO 04/A5.
 - ② 1 1/2" Ø - REAR GRAB BAR, 24"/30"/36" AS SCHEDULED. REFER TO 04/A5.
 - ③ TOILET PAPER DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED. COORDINATE EXACT MOUNTING LOCATION W/ ARCHITECT.
 - ④ MIRROR: BOTTOM EDGE OF REFLECTIVE SURFACE MOUNTED 40" A.F.F. MAXIMUM; TOP MOUNTED 74" A.F.F. MINIMUM.
 - ⑤ PAPER TOWEL DISPENSER WITH CONTROLS MOUNTED @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
 - ⑥ SOAP DISPENSER WITH CONTROLS MOUNTED @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
 - ⑦ ACCESSIBLE WATER CLOSET: TOP OF SEAT 18" A.F.F.
 - ⑧ INSULATE ALL EXPOSED PIPES AND VALVES. USE LAV-SHIELD WHERE SCHEDULED. REFER TO PLUMBING.
 - ⑨ ACCESSIBLE LAVATORY - MOUNT RIM @ 2'-10" A.F.F.
 - ⑩ BASE AS SCHEDULED.
 - ⑪ LOCATE FLUSH CONTROL ON WIDE SIDE OF TOILET.
 - ⑫ VANITY LIGHT FIXTURE CENTERED ON SINK @ 7'-0" A.F.F. REFER TO ELECTRICAL FOR MORE INFORMATION.
 - ⑬ MOP SINK WITH WALL HUNG SERVICE FAUCET.



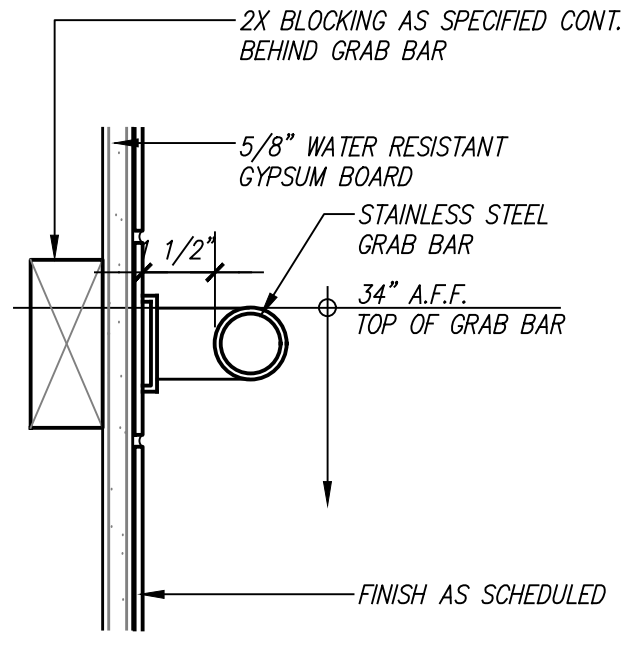
20/A5 INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



16/A5 INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



04/A5 GRAB BAR DETAIL

SCALE: 3" = 1'-0"

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Registration No: F-14148

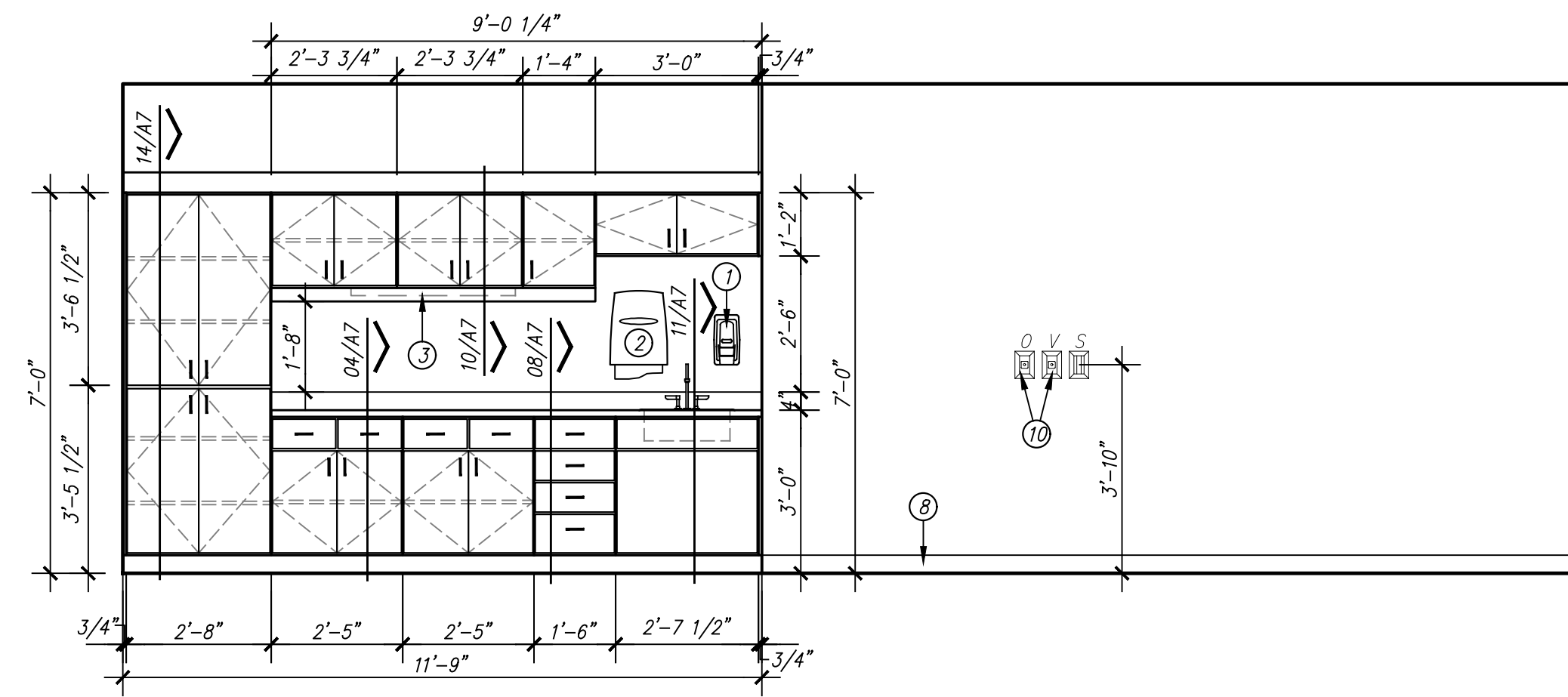
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79106

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PROJECT NO. 22418
DATE: 03/14/2025

SHEET NO.
A5
5 OF 8

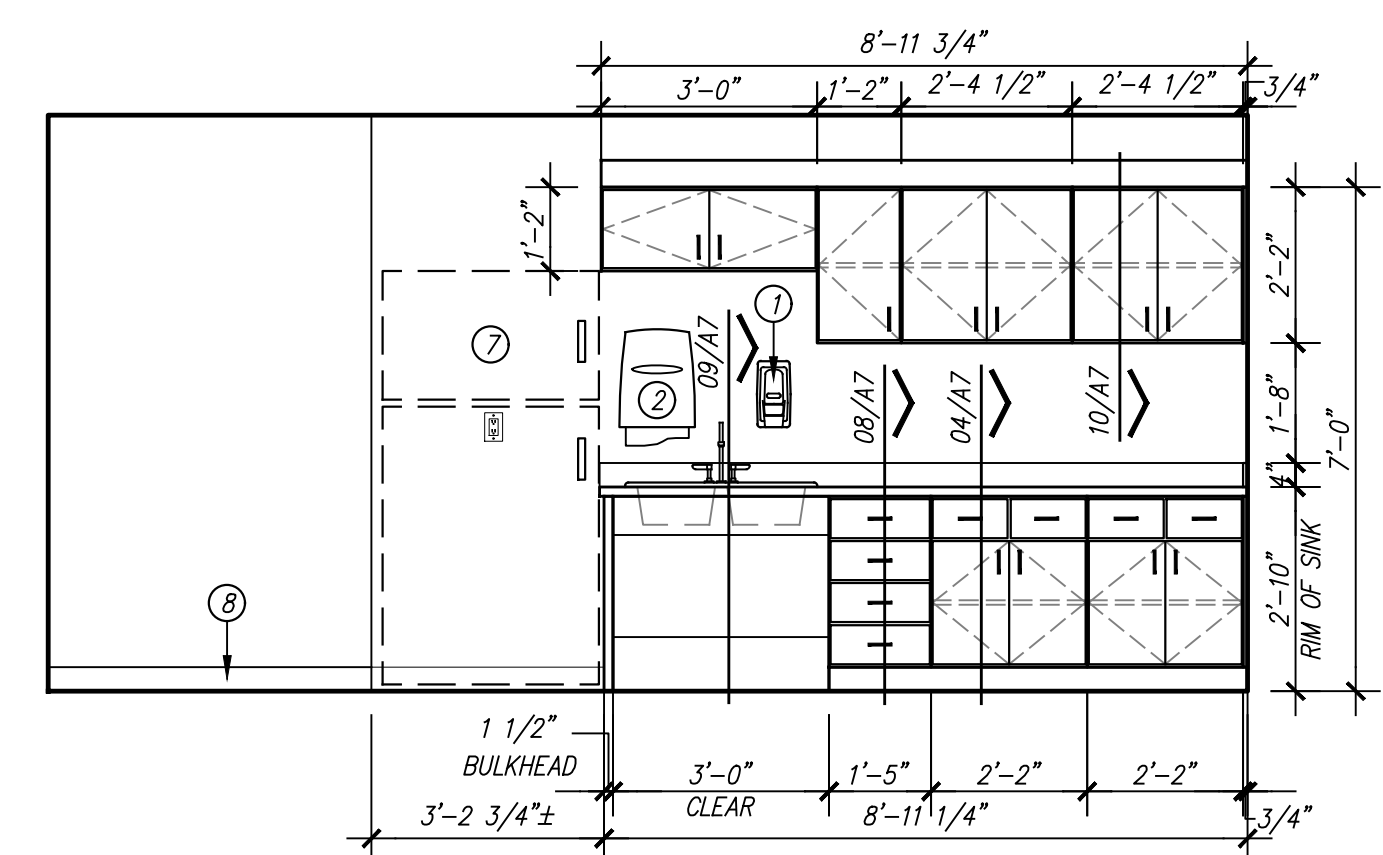
KEYED NOTES

- DESIGNATED BY:
- 1 SOAP DISPENSER WITH CONTROLS MOUNTED @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
 - 2 PAPER TOWEL DISPENSER WITH CONTROLS MOUNTED @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
 - 3 UNDERCABINET LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
 - 4 UNDERCOUNTER RAKKS SUPPORT BRACKET AS SPECIFIED.
 - 5 REMOVABLE ACCESS PANEL. FINISH AS SCHEDULED.
 - 6 PROVIDE CAM LOCK AS SPECIFIED. TYPICAL FOR ALL LOCATIONS INDICATED WITH SYMBOL.
 - 7 REFRIGERATOR. OWNER FURNISHED, CONTRACTOR INSTALLED.
 - 8 BASE AS SCHEDULED.
 - 9 PAINTED GYPSUM BOARD FURROWDOWN.
 - 10 MED GAS OUTLETS. REFER TO MPE FOR MORE INFORMATION.
 - 11 NURSE CALL. REFER TO MPE FOR MORE INFORMATION.
 - 12 STAINLESS STEEL COUNTERTOPS AND BACKSPASH AS SPECIFIED.
 - 13 FIELD VERIFY SPACE REQUIRED FOR EXISTING EQUIPMENT AND ADJUST MILLWORK LENGTH TO ACCOMMODATE.
 - 14 CLOSURE PANEL AT OPEN ALCOVE. OPEN ALCOVE IS FOR OWNER PROVIDED MATERIALS STORAGE CABINET. CONFIRM SIZE OF ALCOVE.
 - 15 12"x12" LEAD-LINED, STAINLESS-STEEL PASS-THROUGH BOX WITH 1/4" LEAD-LINING.
 - 16 EQUIPMENT - OWNER FURNISHED, OWNER INSTALLED.



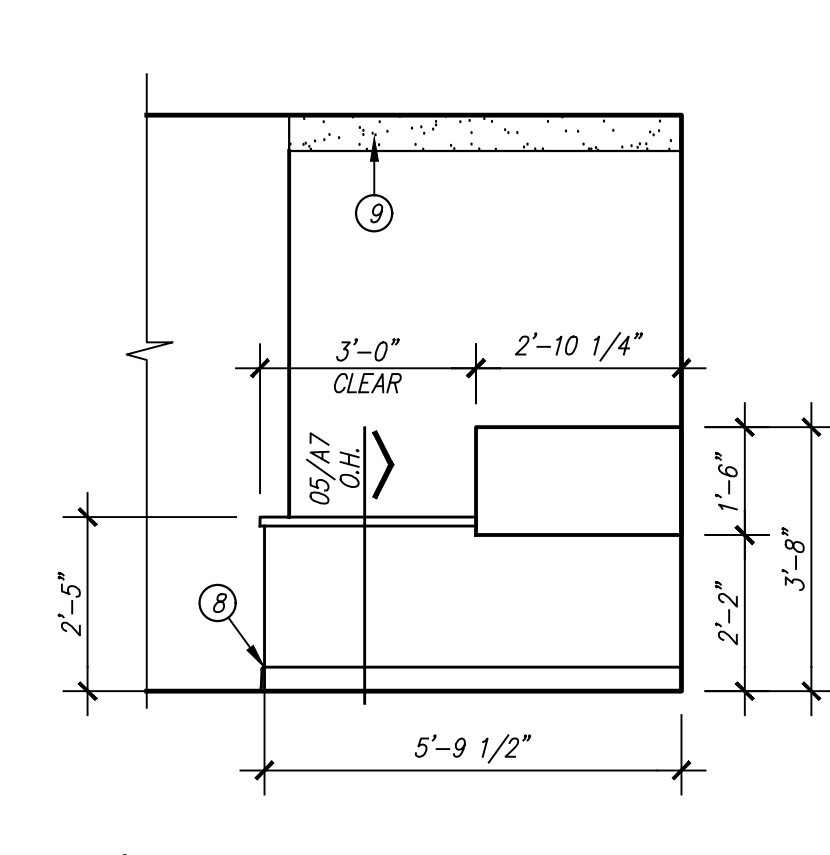
25/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

SCAN ROOM 123



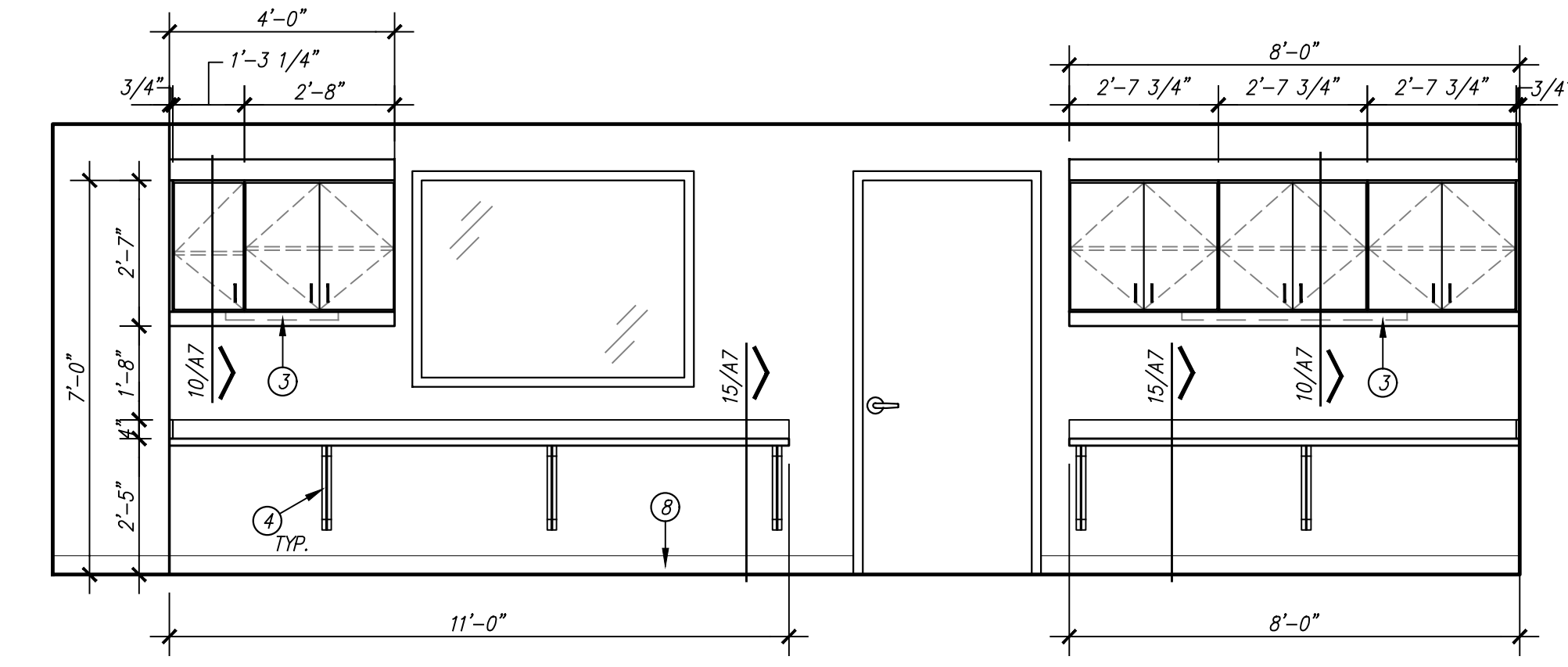
13/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

STAFF ROOM 107



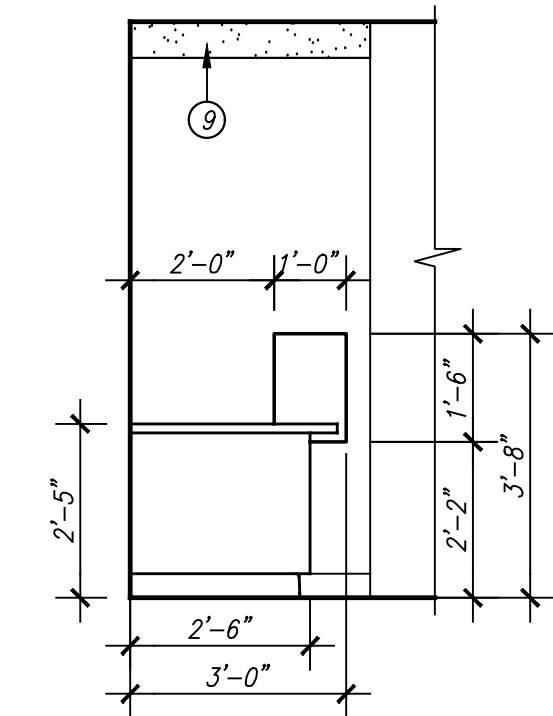
05/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

RECEPTION 102



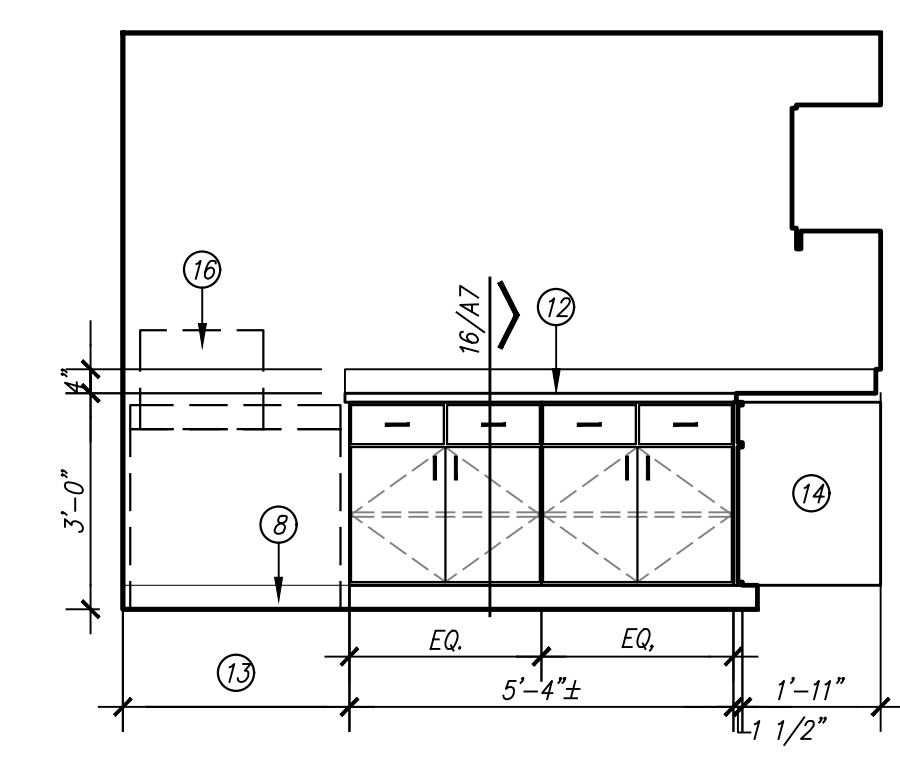
18/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

CONTROL ROOM 122



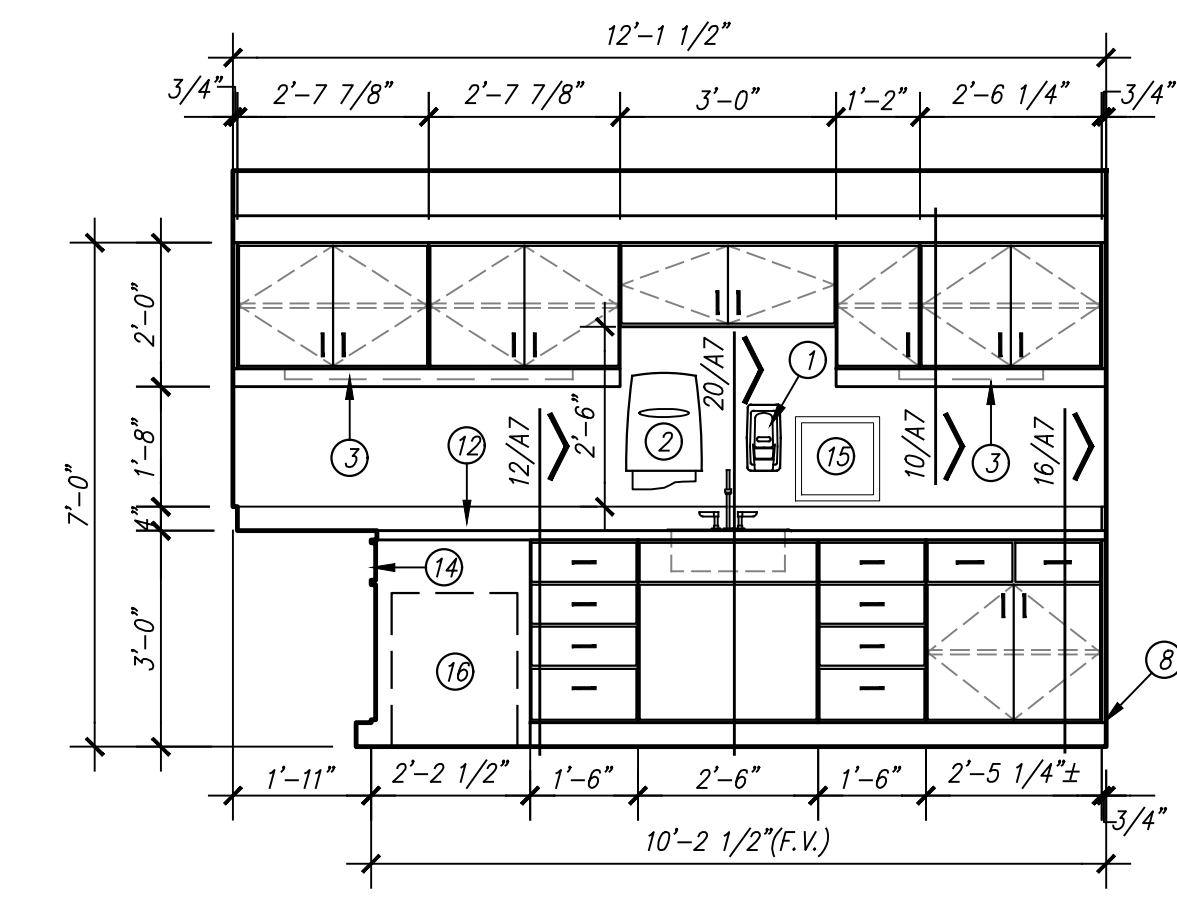
06/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

RECEPTION 102



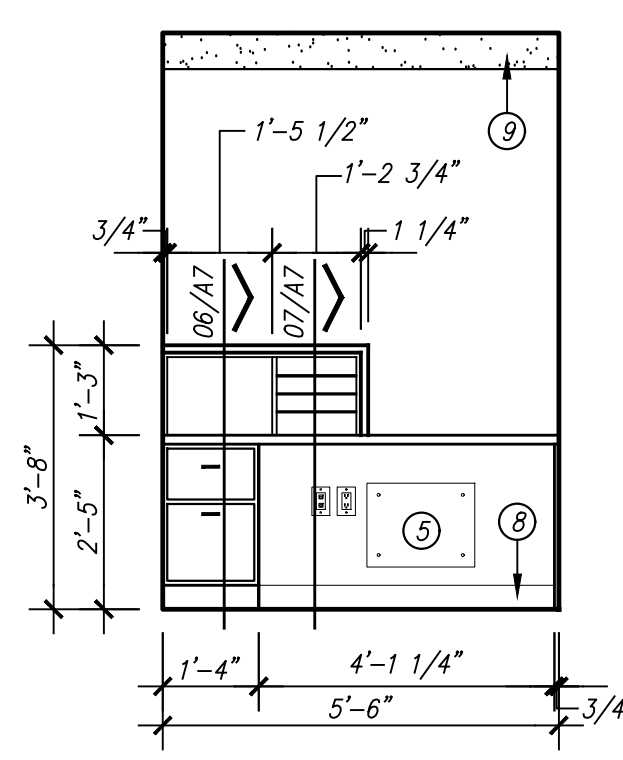
19/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

HOT LAB 116



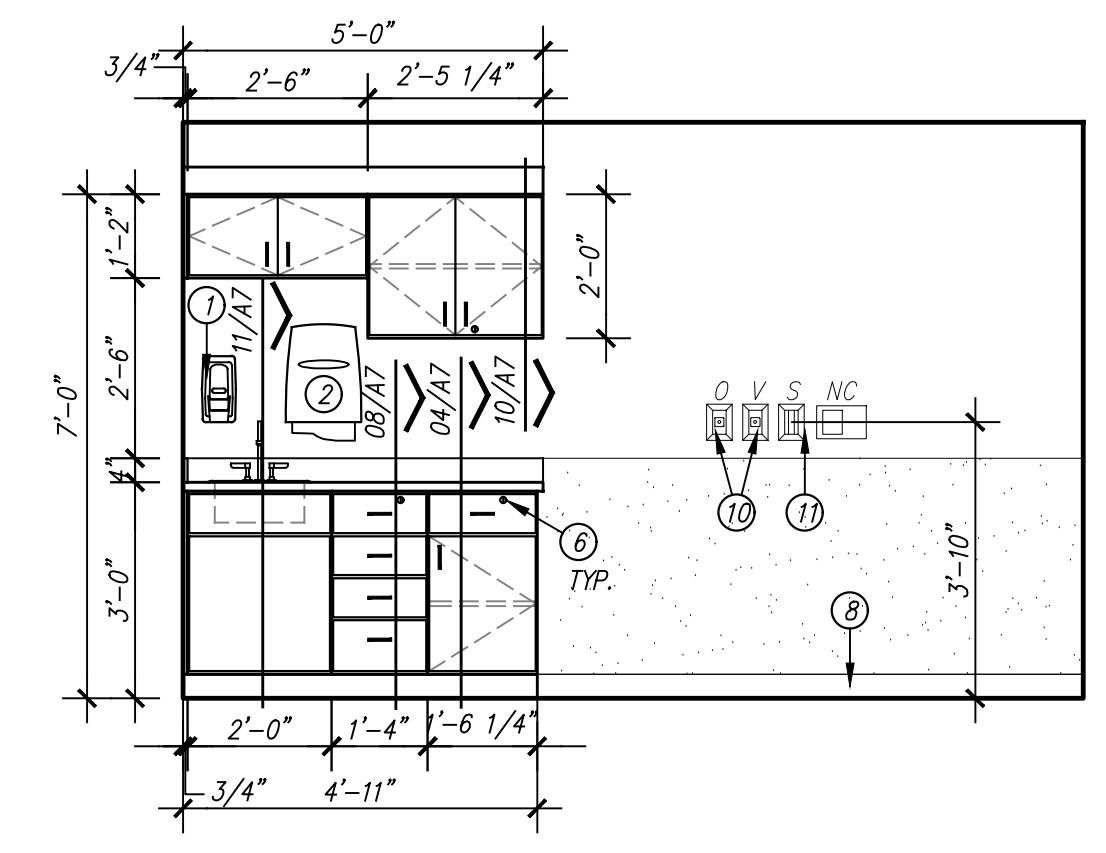
15/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

HOT LAB 116



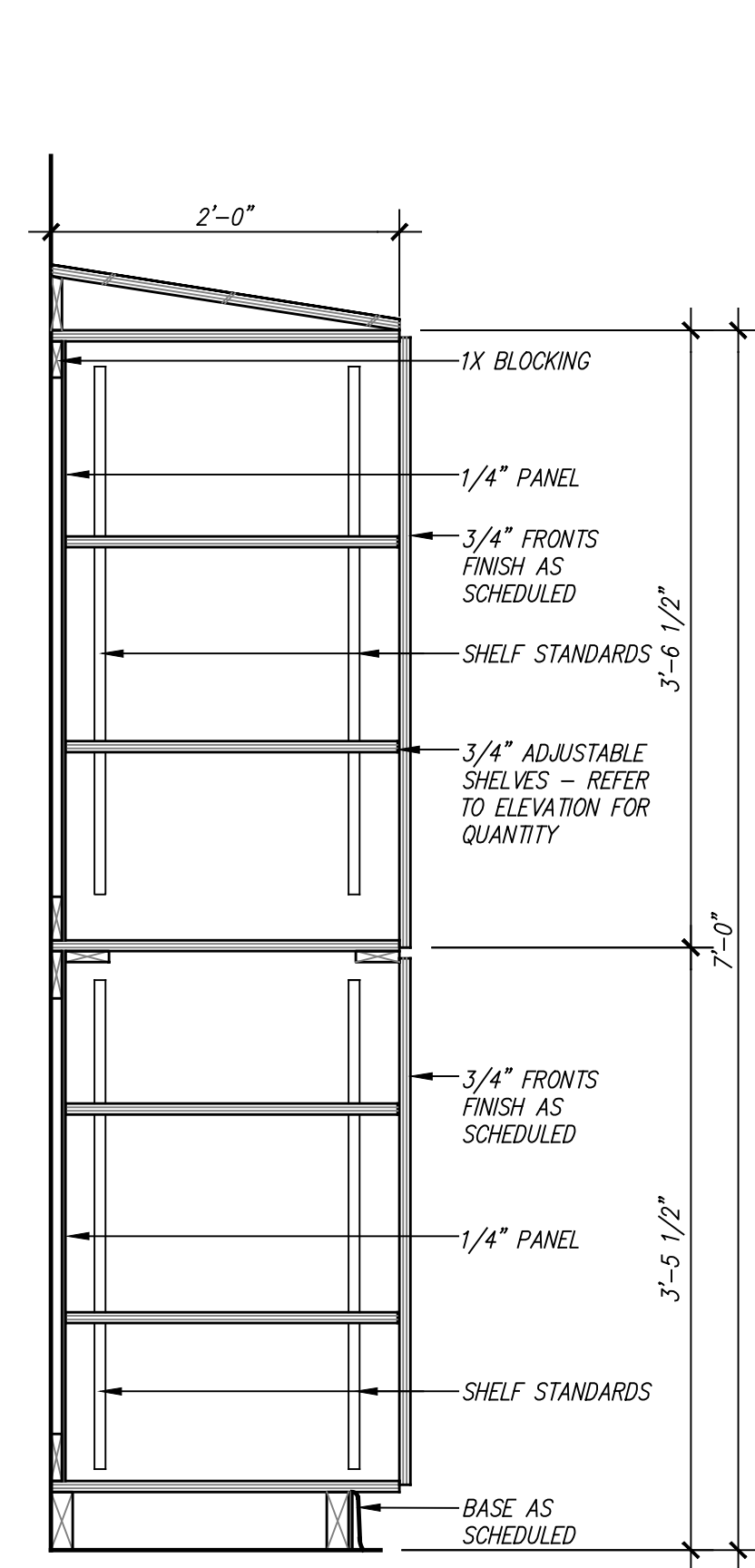
07/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

RECEPTION 102

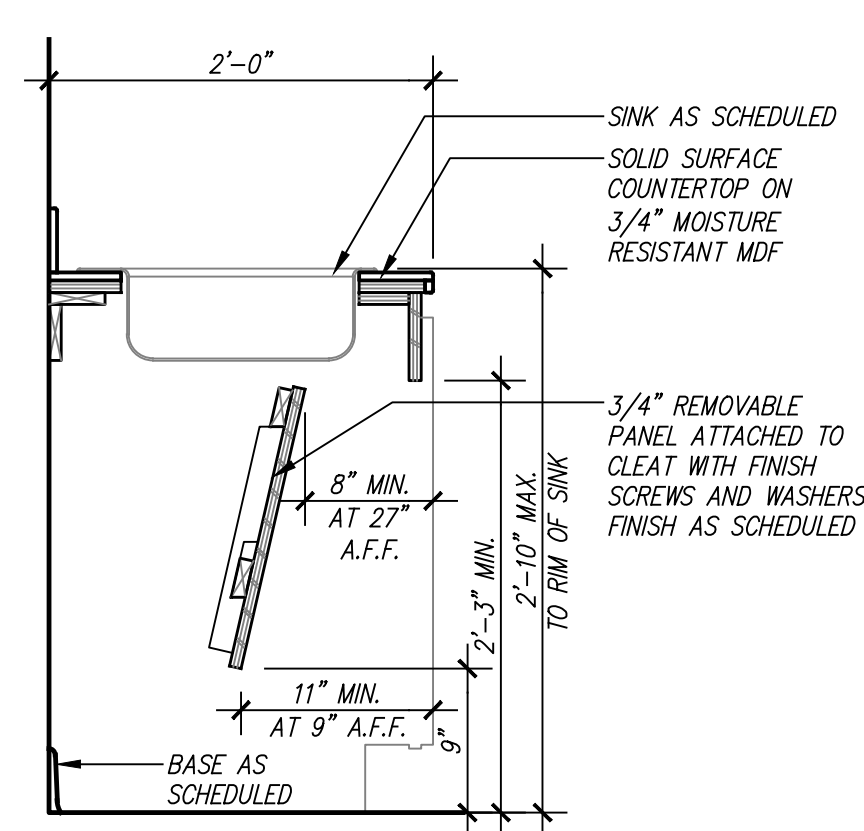


16/A6 MILLWORK ELEVATION
 SCALE: 3/8" = 1'-0"

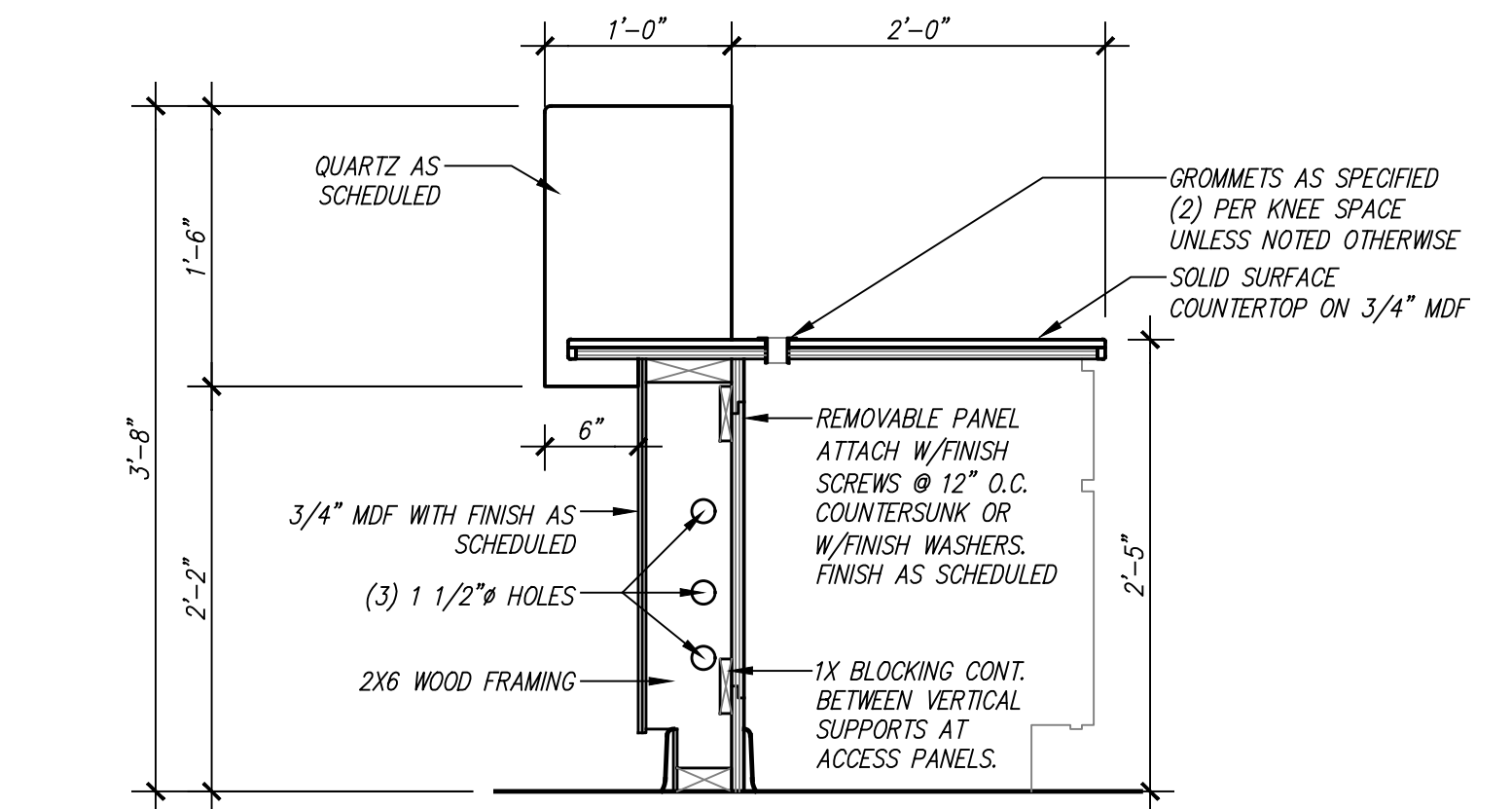
DOSE ROOMS AND CLEAN STORAGE



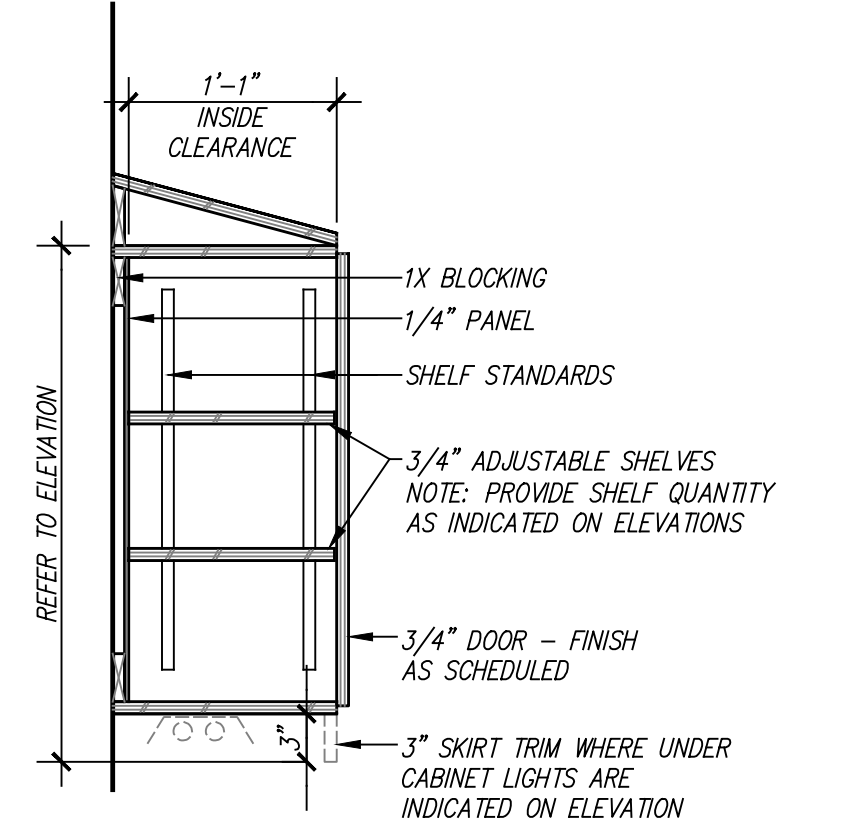
14/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



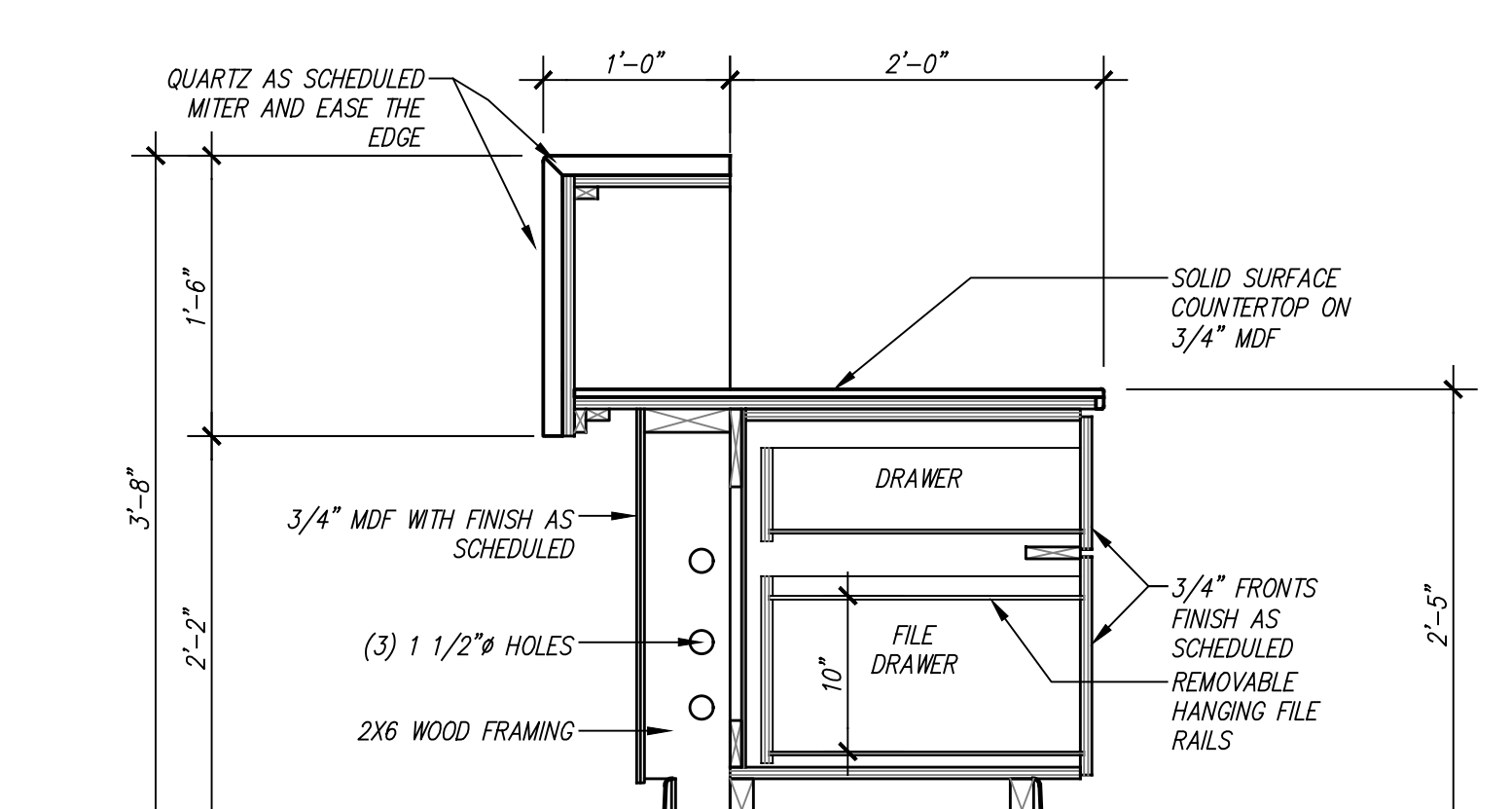
09/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



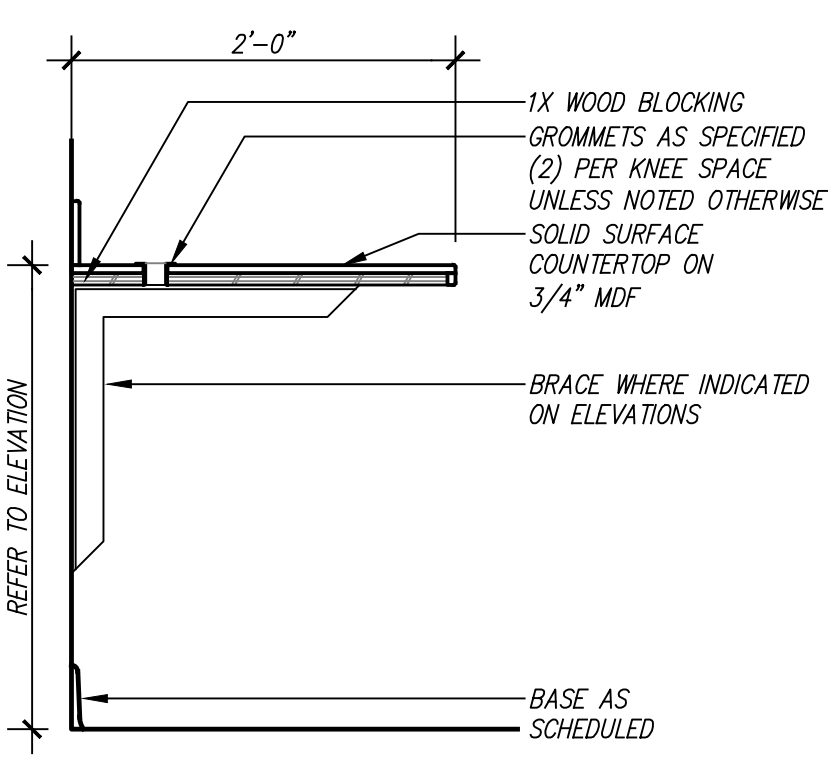
05/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



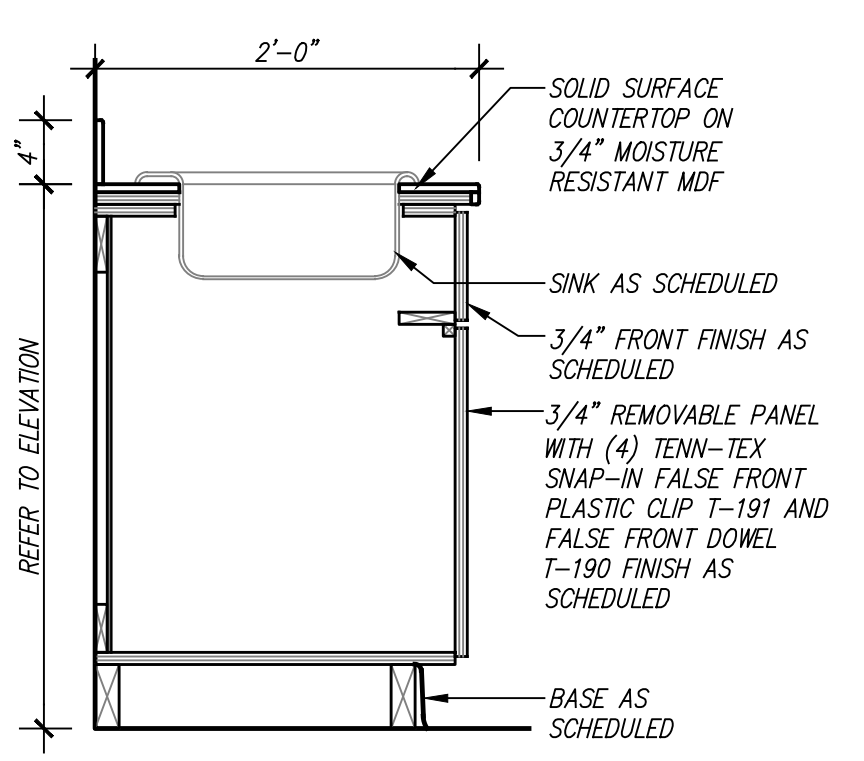
10/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



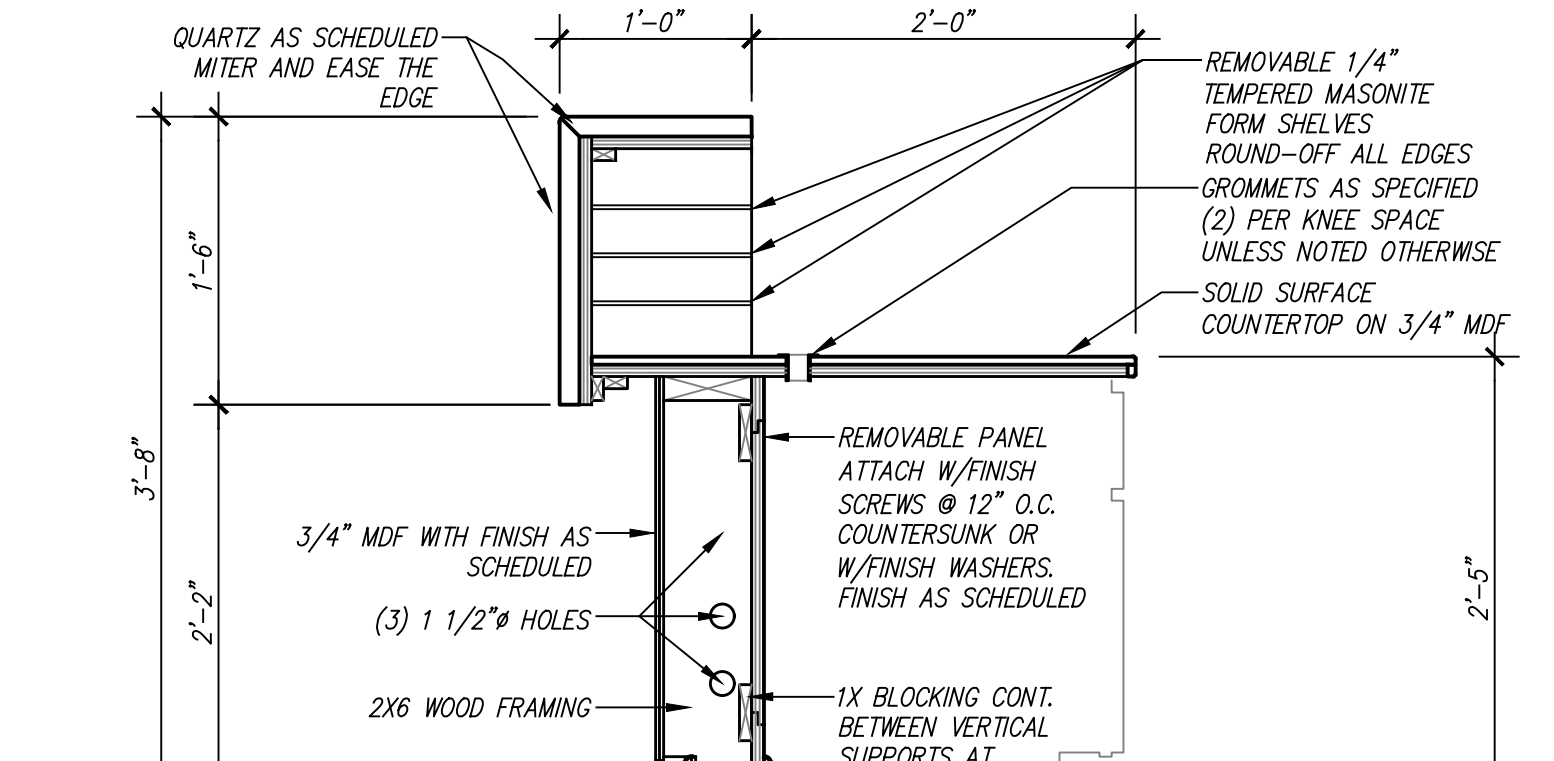
06/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



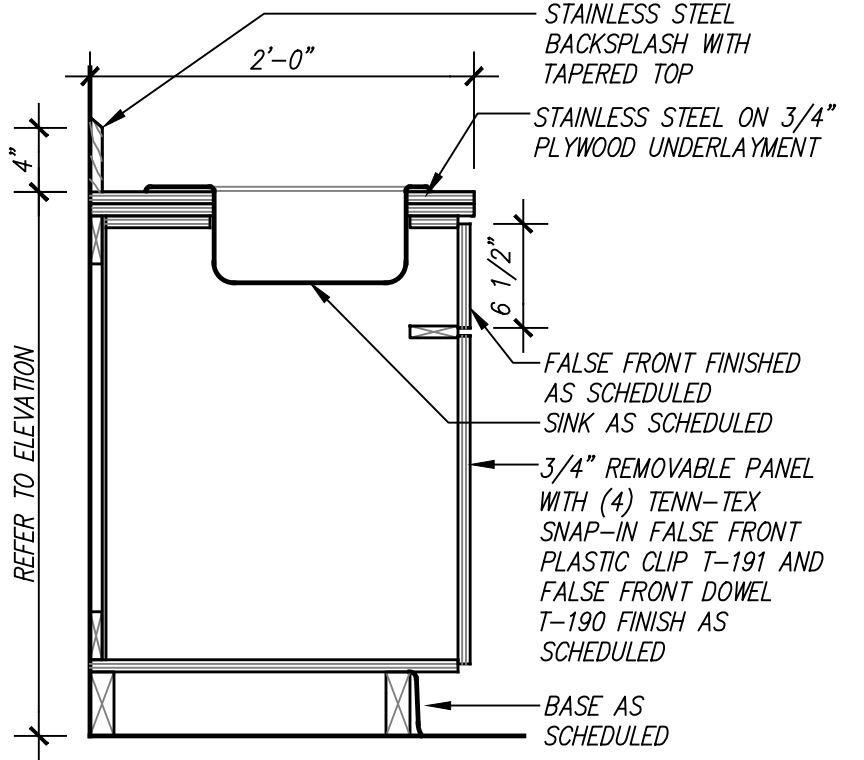
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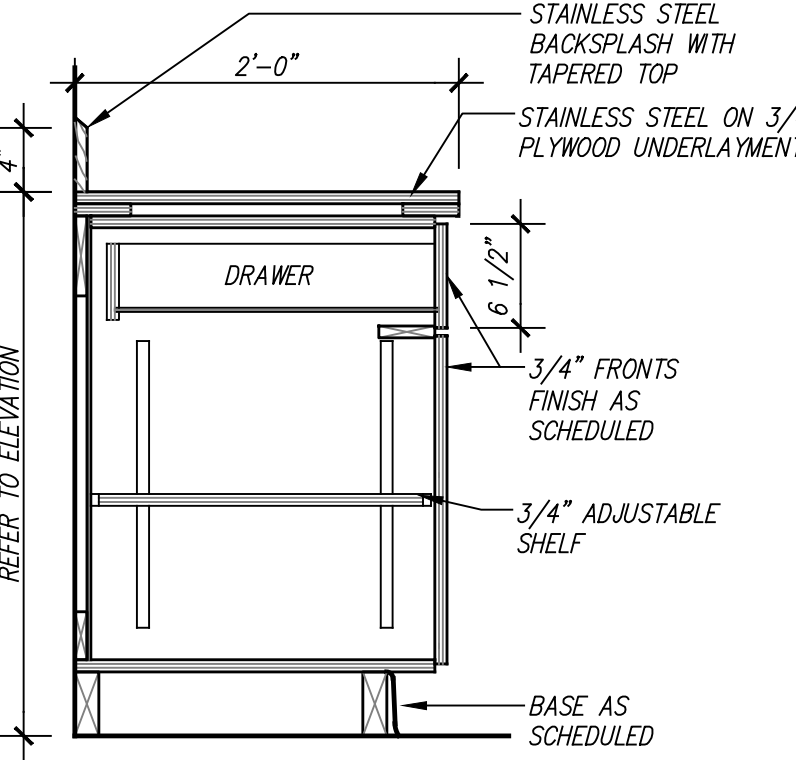
11/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



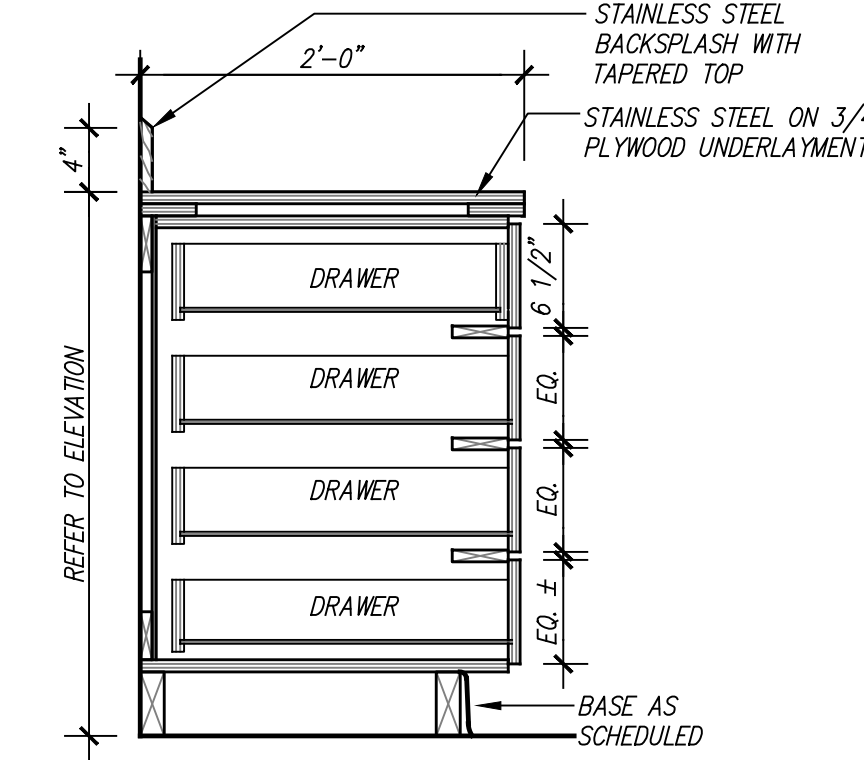
07/A7 MILLWORK SECTION
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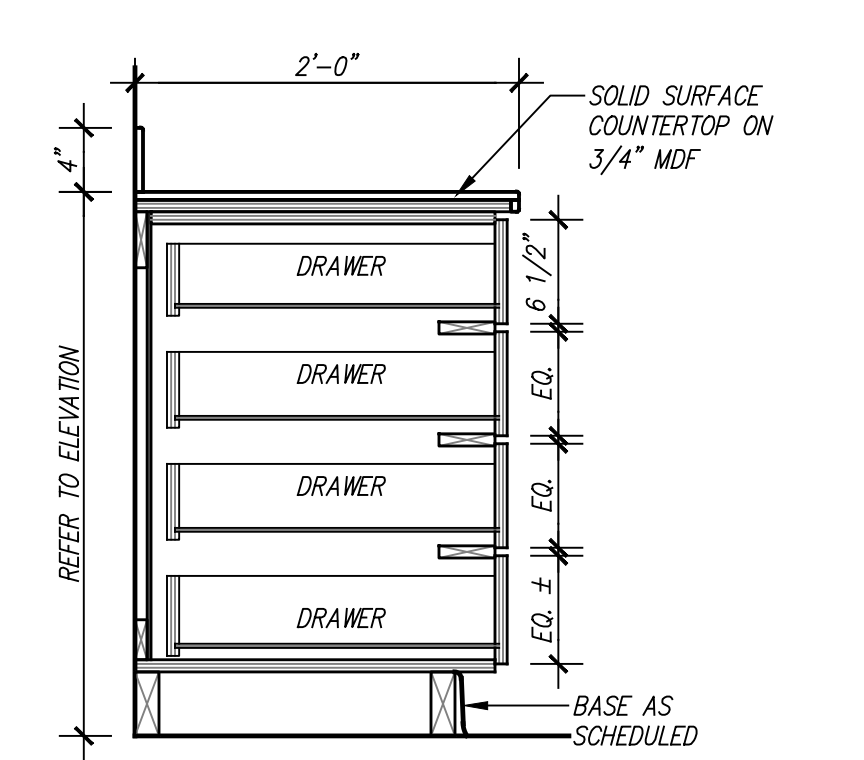
20/A7 MILLWORK SECTION
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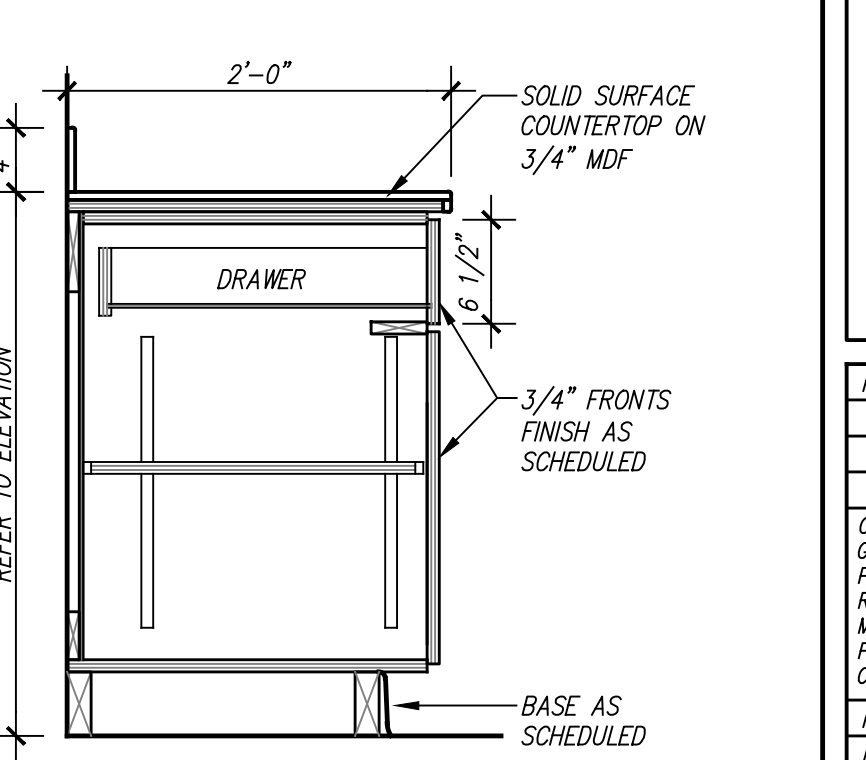
16/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



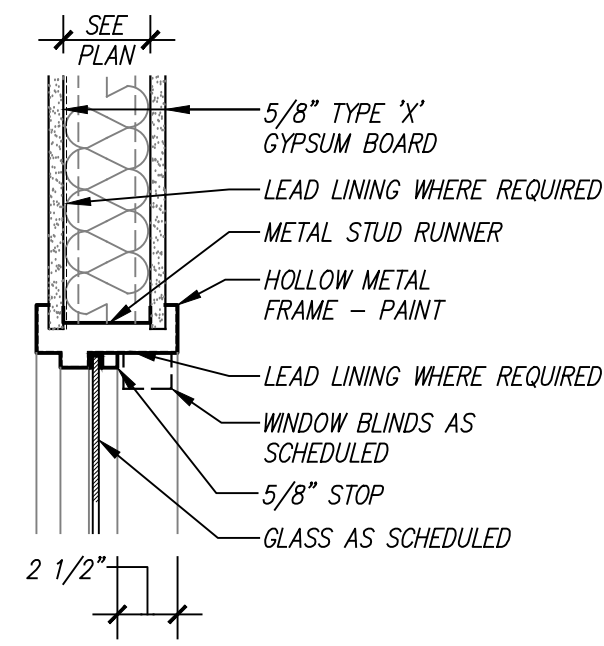
12/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



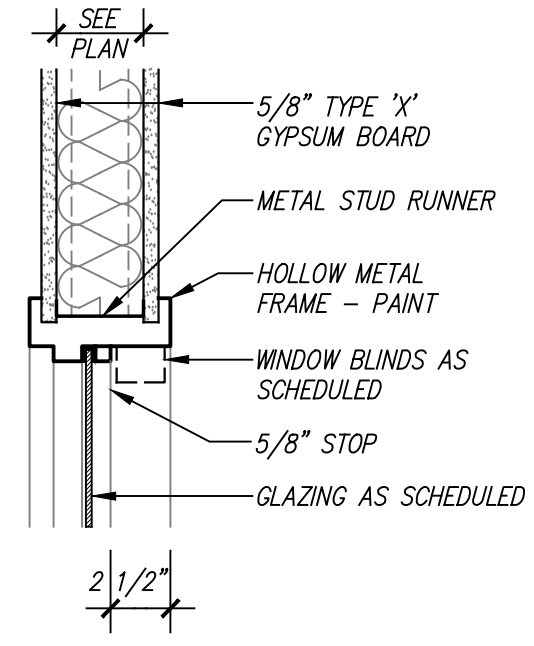
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SCALE: 1" = 1'-0"



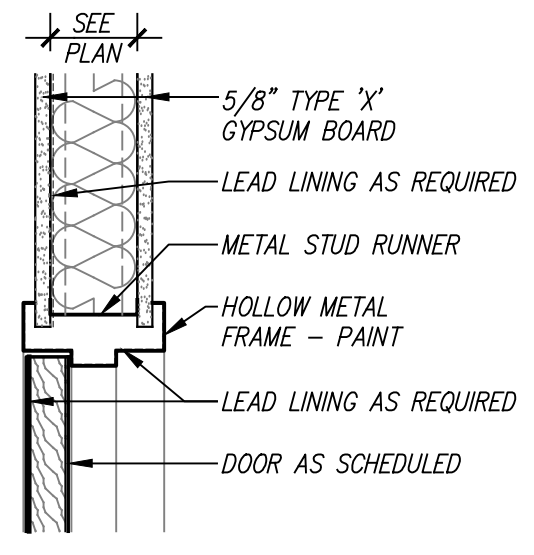
04/A7 MILLWORK SECTION
SCALE: 1" = 1'-0"



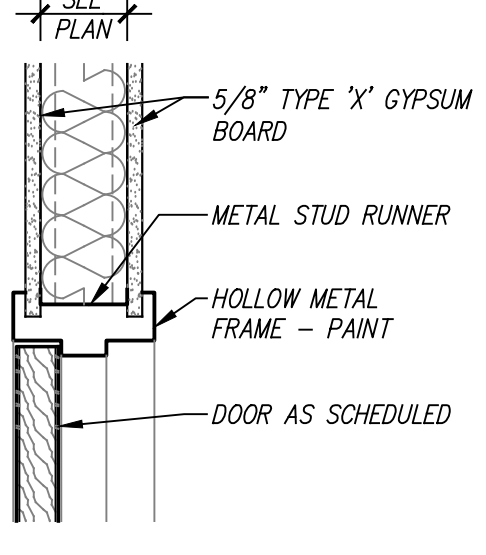
21/A8 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



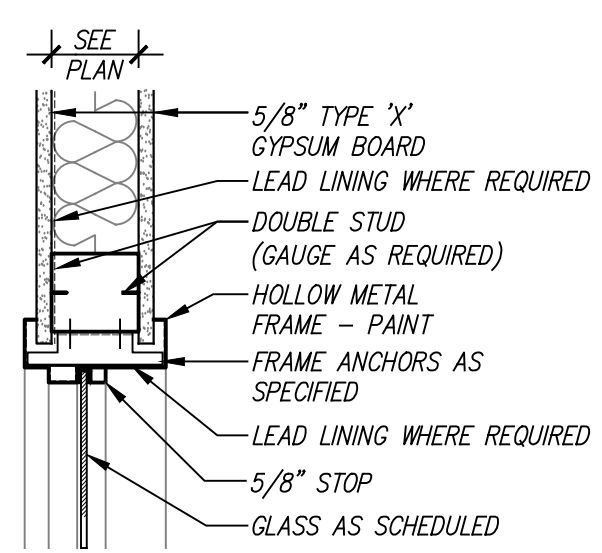
17/A8 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



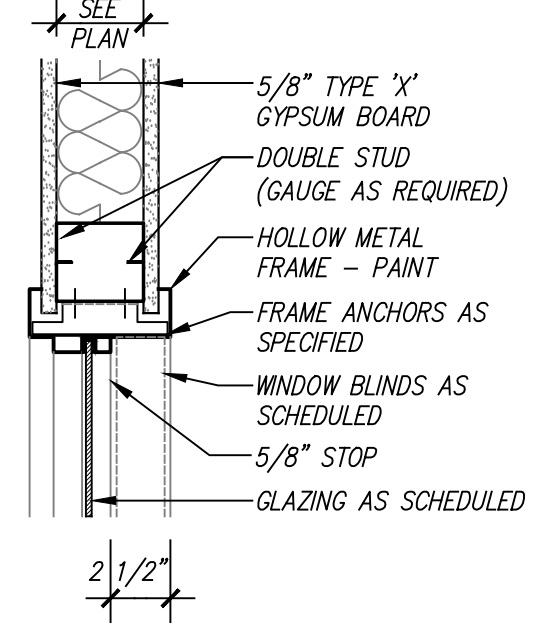
13/A8 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



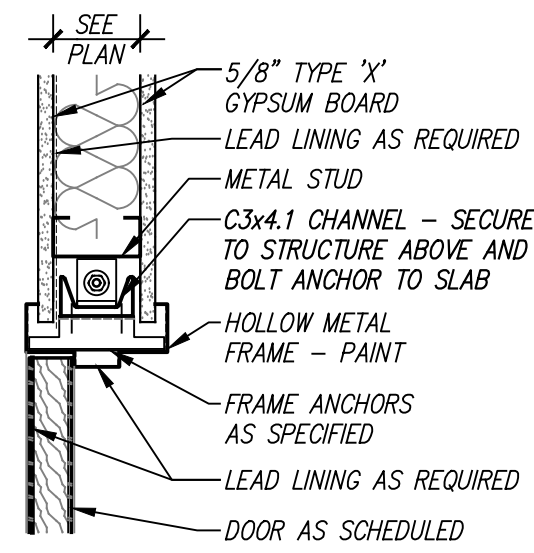
09/A8 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



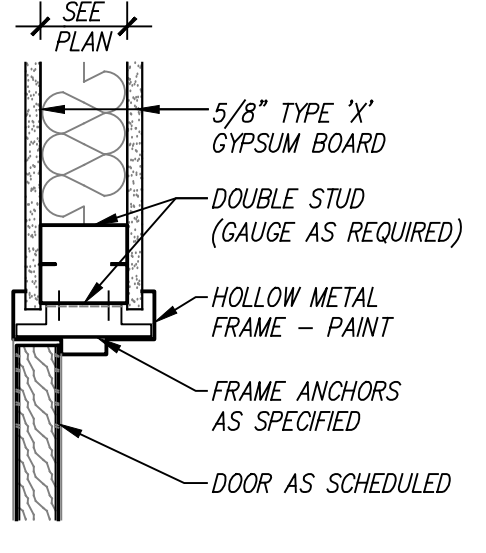
22/A8 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



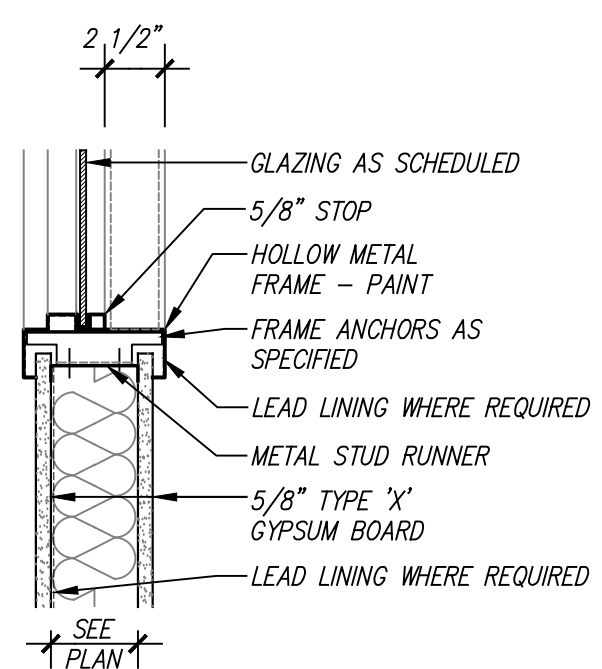
18/A8 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



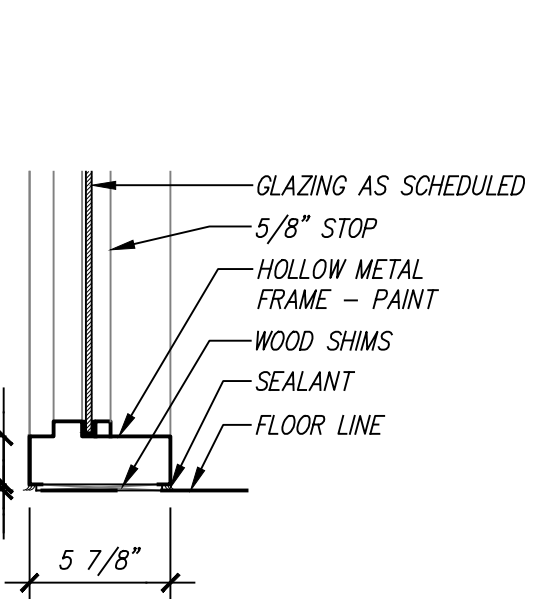
14/A8 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



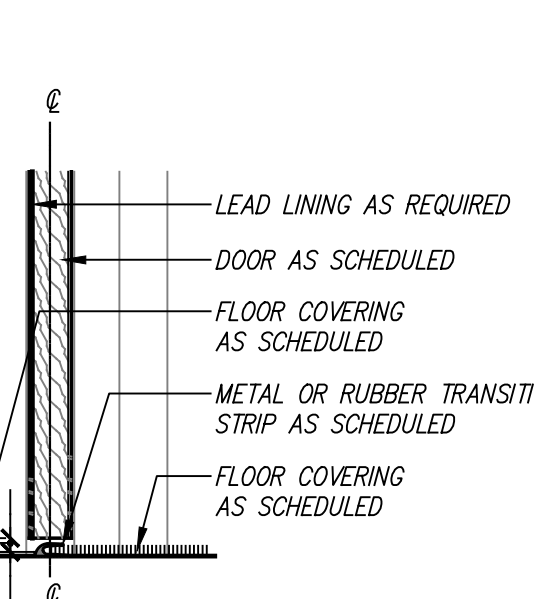
10/A8 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



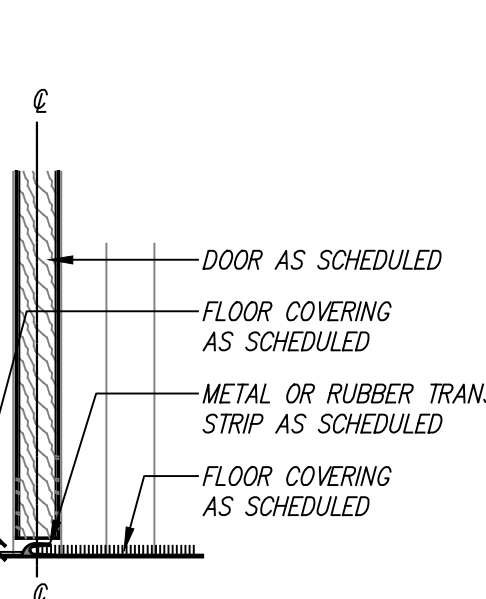
23/A8 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



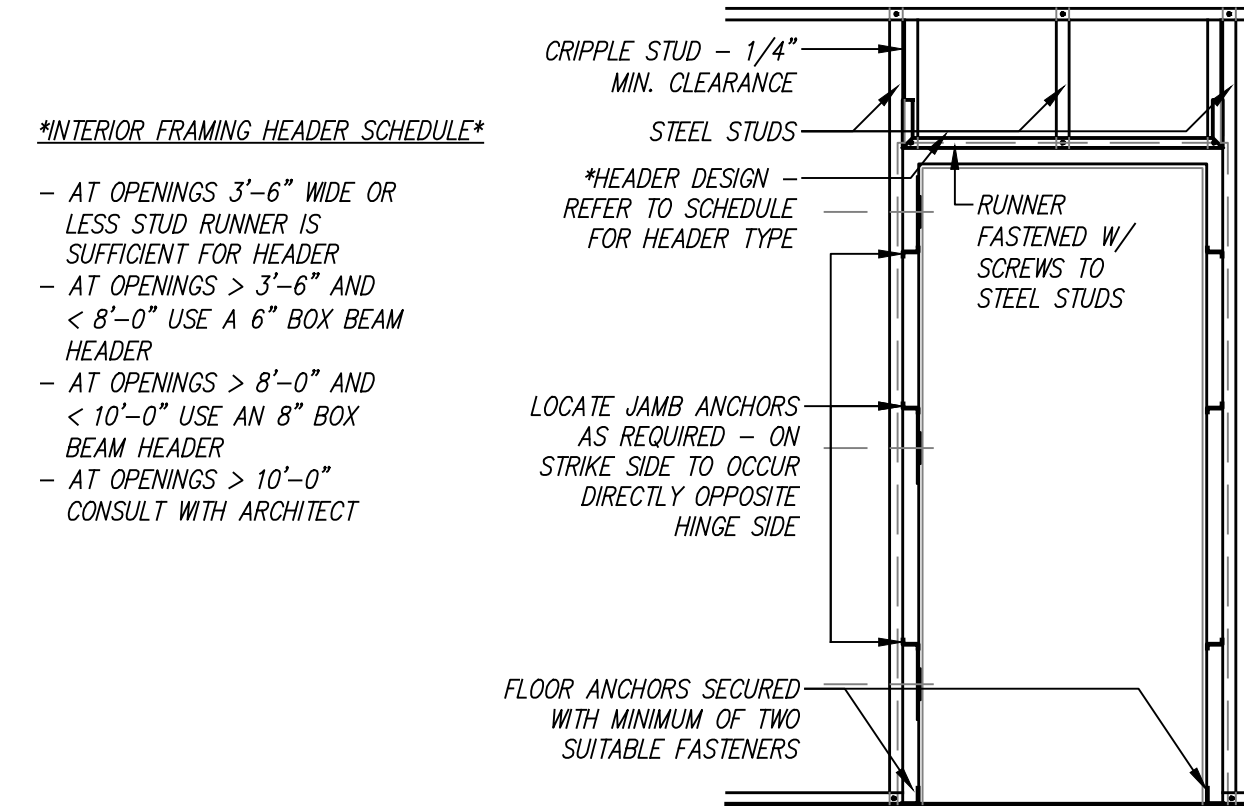
19/A8 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



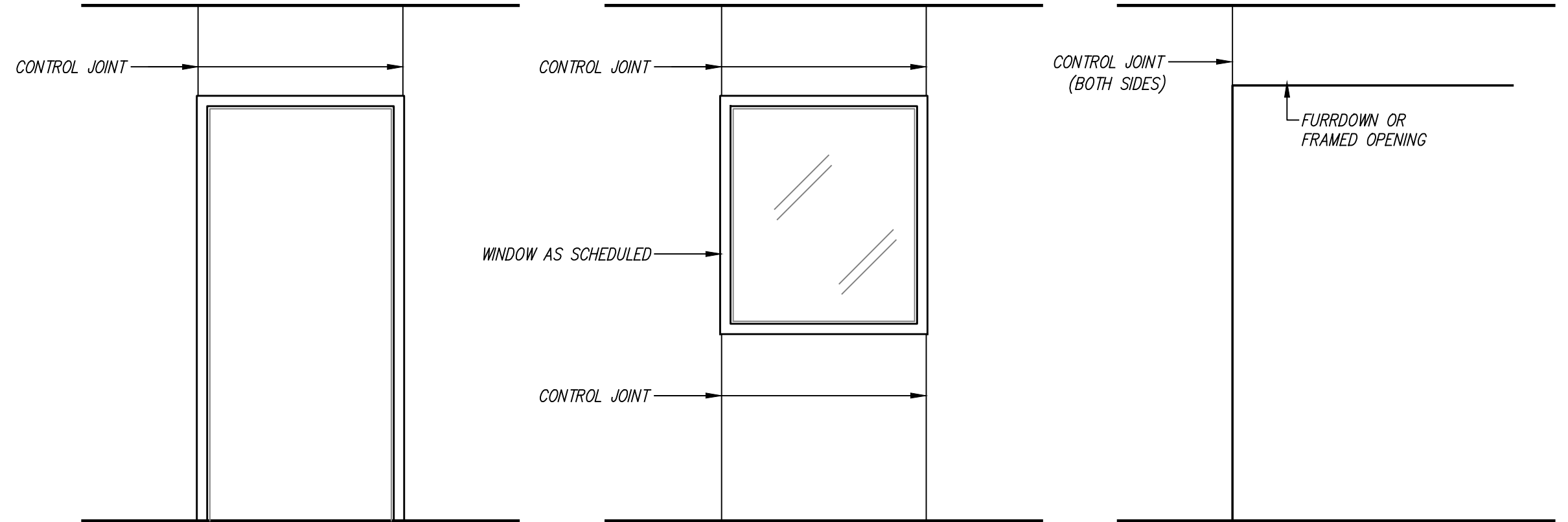
15/A8 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



11/A8 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



20/A8 TYPICAL DOOR FRAMING
SCALE: NOT TO SCALE

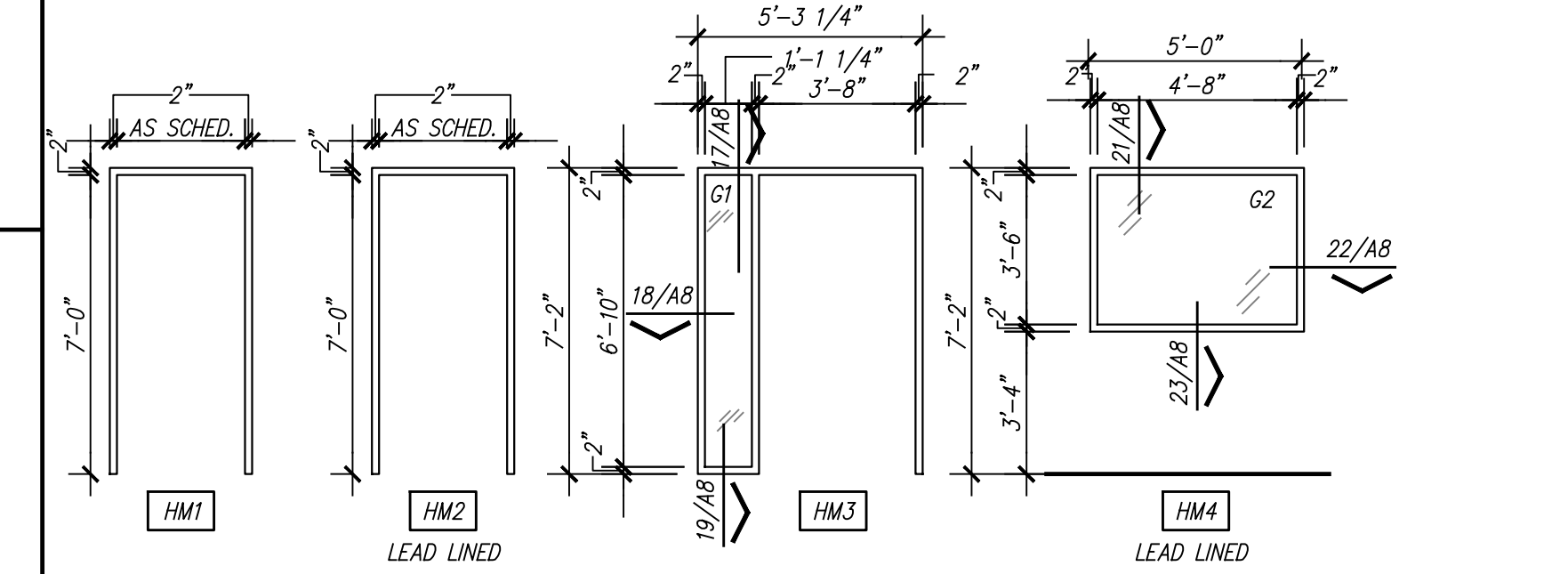


12/A8 TYPICAL CONTROL JOINT DETAILS
SCALE: NOT TO SCALE

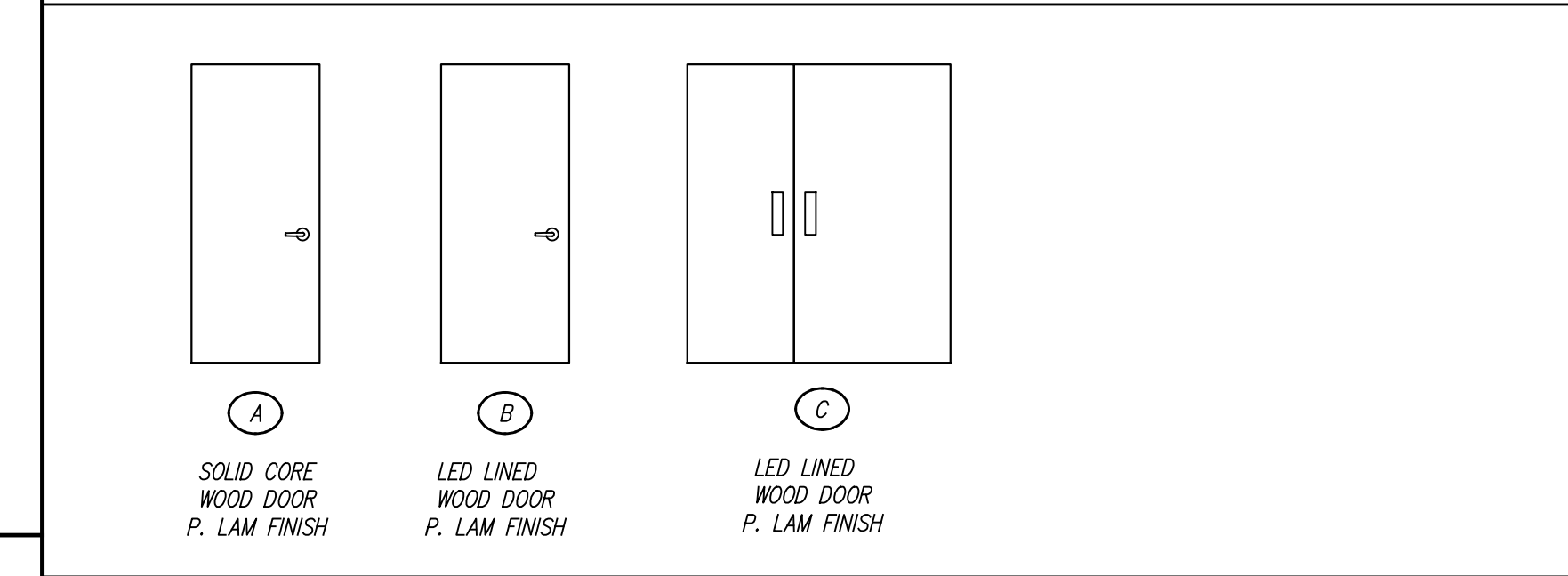
DOOR SCHEDULE

| DOOR MARK | OPENING | DOOR TYPE | PAIR | DOOR MATERIAL | FIRE RATING | FRAME TYPE | DETAILS | | | REMARKS |
|-----------|---------------|-----------|------|---------------|-------------|------------|---------|-------|-------|---------------------------------|
| | | | | | | | HEAD | JAMB | SILL | |
| 101A | 3'-8" x 7'-0" | A | - | SCPL | - | HM3 | 09/AB | 10/AB | 11/AB | - |
| 103A | 3'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 104A | 3'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 105A | 3'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 106A | 3'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 107A | 3'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 108A | 3'-8" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | ACCESS CONTROL |
| 109A | 3'-6" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 110A | 3'-6" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 111A | 3'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 112A | 4'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 113A | 4'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 114A | 3'-6" x 7'-0" | A | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 115A | 4'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 116A | 3'-6" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 117A | 4'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 118A | 3'-6" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 119A | 4'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 120A | 4'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 121A | 7'-4" x 7'-0" | A | PR | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |
| 122A | 3'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 123A | 7'-0" x 7'-0" | C | PR | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD LINED UNEQUAL PAIR-4' & 3' |
| 123B | 3'-0" x 7'-0" | B | - | SCPL | - | HM2 | 13/AB | 14/AB | 15/AB | LEAD-LINED |
| 124A | 4'-0" x 7'-0" | A | - | SCPL | - | HM1 | 09/AB | 10/AB | 11/AB | - |

FRAME TYPES



DOOR TYPES



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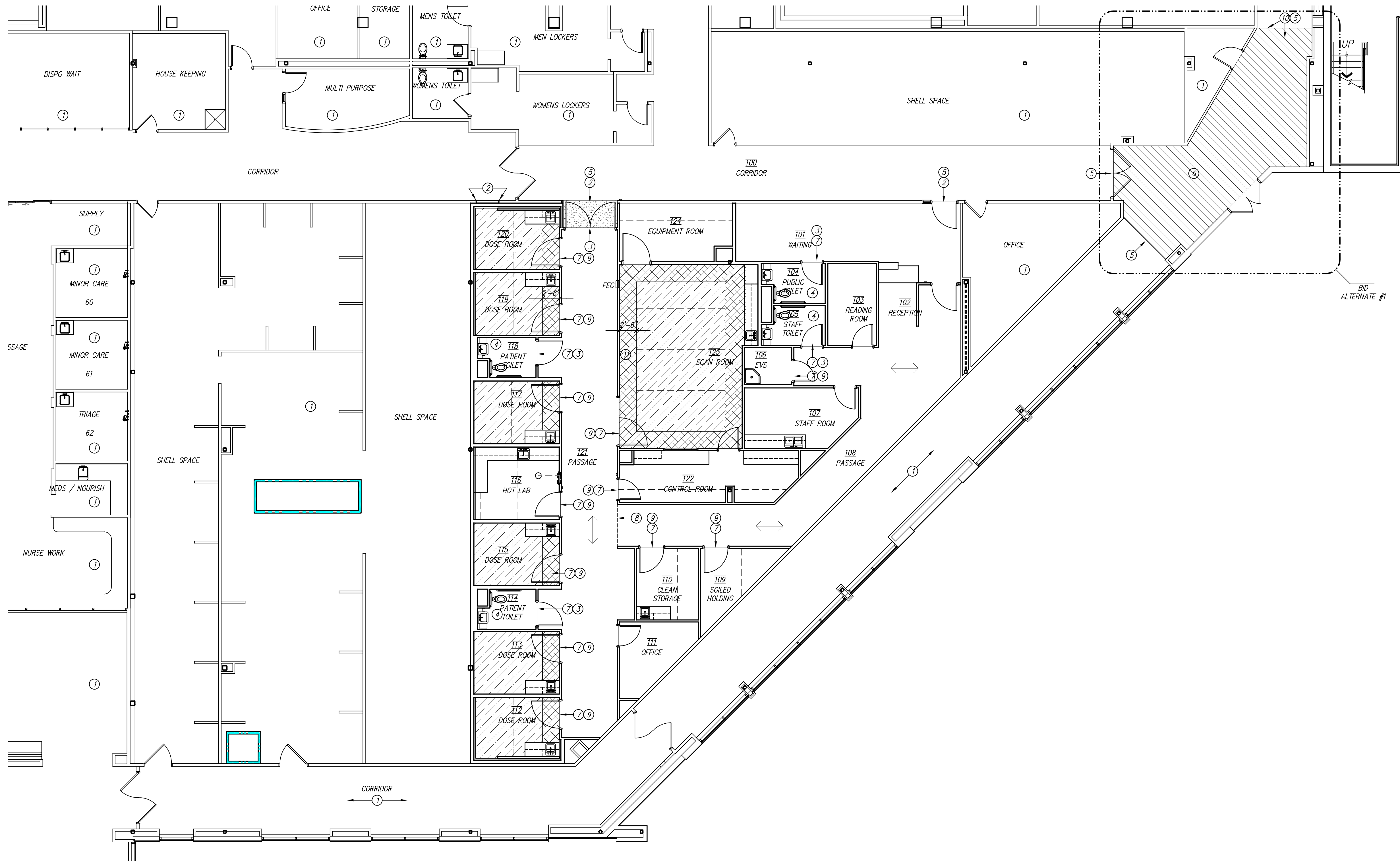
REGISTERED ARCHITECT
GRAN ALAN KOUBER
STATE OF TEXAS
2118

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PROJECT NO. 22418
DATE: 03/14/2025
SHEET NO. **A8**
8 OF 8



GENERAL NOTES

- 1) REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 2) ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- 3) FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- 4) REPAIR EXISTING WALLS AND FLOORS AS SCHEDULED TO REMAIN AND REFINISH AS INDICATED.
- 5) PROVIDE SMOOTH TRANSITION WHERE NEW CONSTRUCTION INTERSECTS WITH EXISTING CONDITIONS. IN ALL AREAS ADJACENT TO NEW CONSTRUCTION, REPAIR/REFINISH AND INSTALL NEW WALL, BASE, PAINT, ETC. WHERE NECESSARY TO AVOID PATCHES OR INCONSISTENT FINISHES.
- 6) INCLUDE ALL TRIM, INSIDE/OUTSIDE CORNER, CONNECTOR, AND END CAP PIECES FOR COMPLETE INSTALLATION OF FINISHES.
- 7) A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF TILE, VINYL FLOORING, AND WALL PROTECTIVE PRODUCTS.
- 8) INSTALL FLOORING TO WALL UNDER OPEN MILLWORK.
- 9) ALL TRANSITIONS BETWEEN DIFFERENT FLOORING TYPES ARE TO BE LEVEL AS INDICATED. SEE DETAIL 16/ID1 AND 12/ID1.
- 10) ALL TILED SURFACES TO BE CENTERED IN SPACE OR ADJUSTED TO AVOID SMALL CUT TILES.

KEYED NOTES

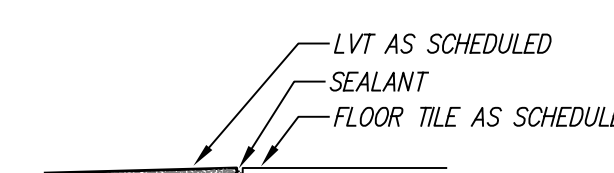
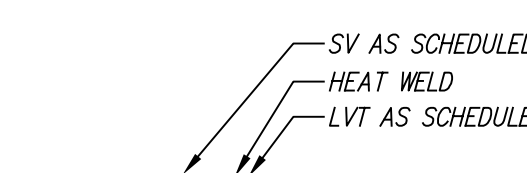
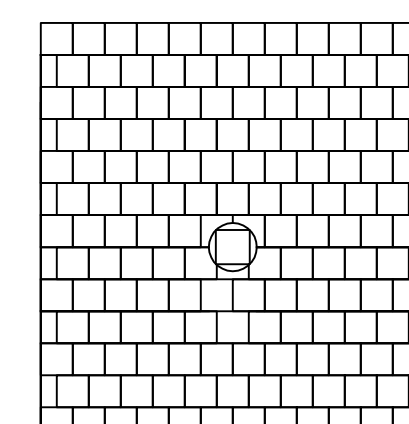
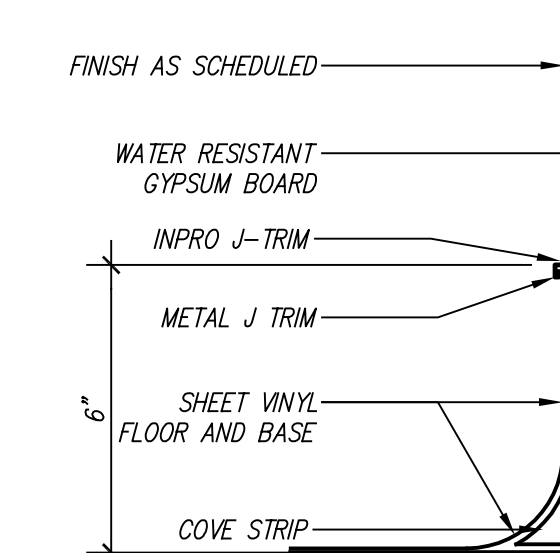
- DESIGNATED BY: 1
- 1) NO WORK IN THIS AREA.
 - 2) REPAIR/PATCH FLOOR FINISHES DISTURBED IN THIS AREA AS SCHEDULED OR TO MATCH EXISTING.
 - 3) SEAL DISSIMILAR FLOOR MATERIALS WHEN TRANSITIONING AT THIS LOCATION.
 - 4) COORDINATE TILE PATTERN WITH FLOOR DRAIN LOCATION. SEE 20/ID1.
 - 5) PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING MATERIALS AT THIS LOCATION.
 - 6) AS PART OF BID ALTERNATE #1, INCLUDE PRICE TO REPLACE FLOORING AND WALL BASE IN THIS AREA TO BE LVTI AND WBI.
 - 7) FLOAT FLOOR AT THIS LOCATION SO DISSIMILAR MATERIALS ARE FLUSH.
 - 8) TRANSITION PATTERN DIRECTION AT THIS LOCATION AS INDICATED WITH FLOOR PATTERN DIRECTION ARROWS.
 - 9) HEAT WELD DISSIMILAR FLOOR MATERIALS AT TRANSITION AS SCHEDULED. SEE 16/ID1.
 - 10) PATTERN / GRAIN DIRECTION TO MATCH EXISTING IN THIS AREA.
 - 11) BORDER TO BE EQUAL DIMENSION ON ALL SIDES WITH MITERED CORNERS.

27/ID1 FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



FLOOR FINISH LEGEND

- SV1
- SV2
- RF1
- INDICATES FLOORING PATTERN DIRECTION
- INDICATES FLOORING SEAM LOCATION



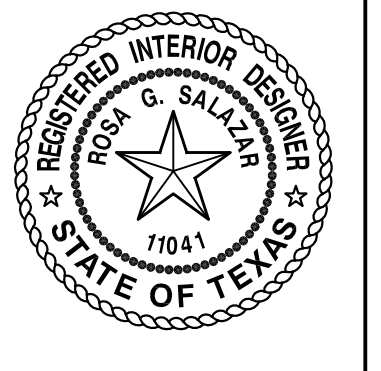
20/ID1 TYP. FLOOR TILE PATTERN
SCALE: 1/2" = 1'-0"

16/ID1 TYP. TRANSITION
SCALE: 3" = 1'-0"

12/ID1 TYP. TRANSITION
SCALE: 3" = 1'-0"

08/ID1 TYP. COVE BASE
SCALE: 3" = 1'-0"

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TX: 806-589-3340 TXBE Firm
Registration No: F-14148

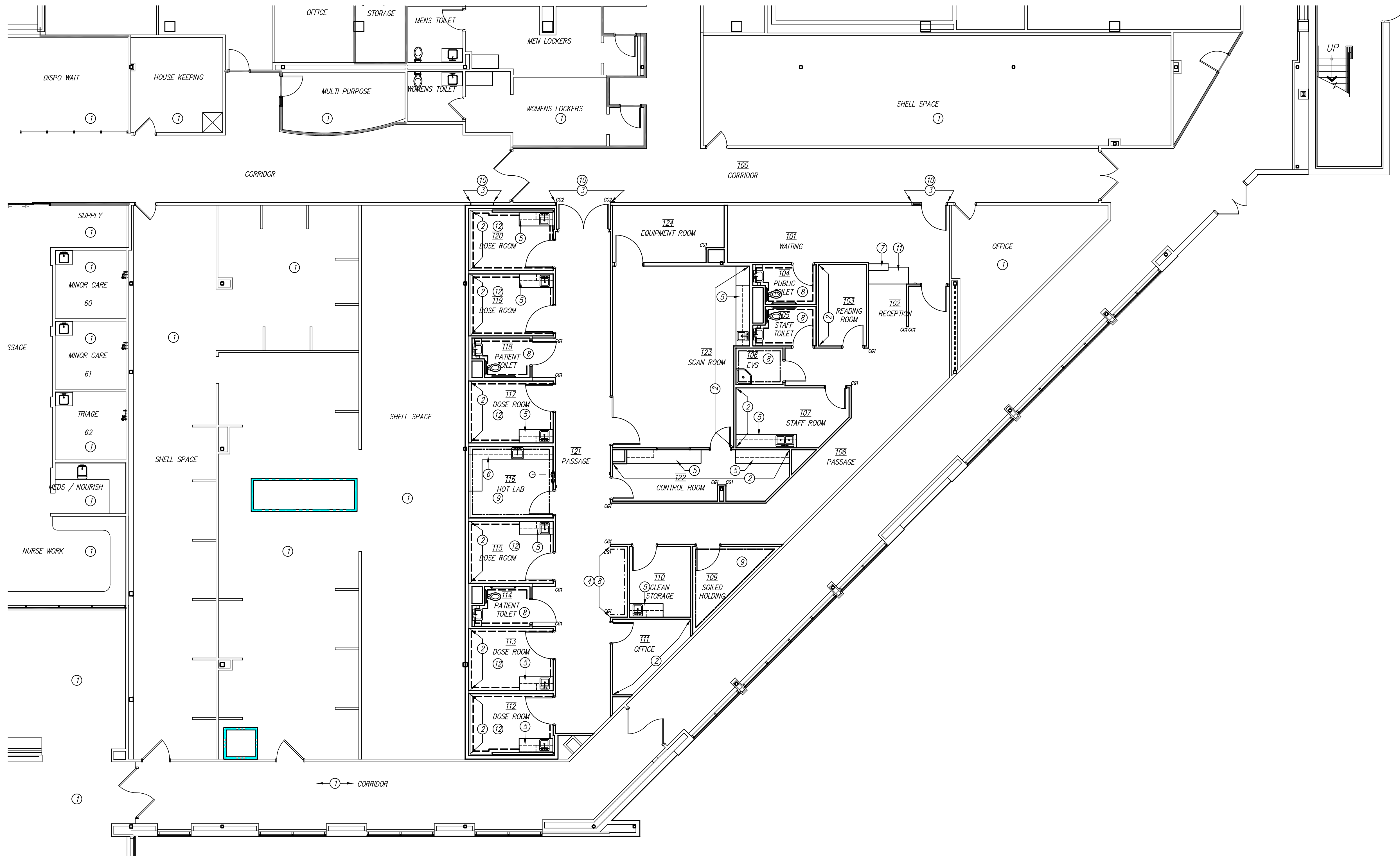
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PROJECT NO. 22418
DATE: 03/14/2025

SHEET NO.
ID1
1 OF 2



27/ID2 WALL FINISH PLAN
SCALE: 1/8" = 1'-0"

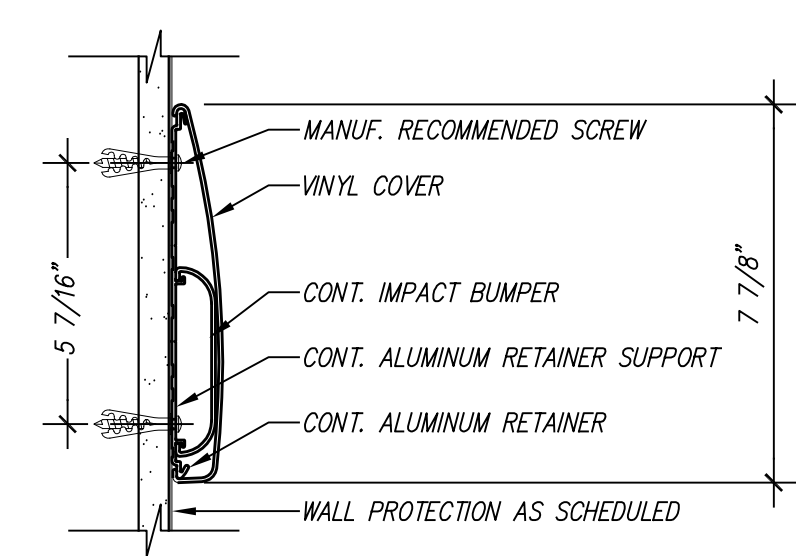
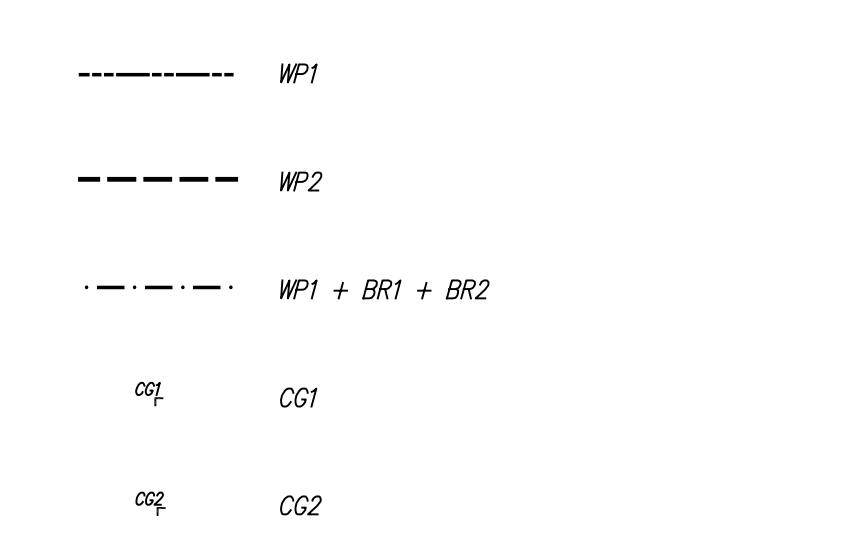
GENERAL NOTES

- REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- REPAIR EXISTING WALLS AND FLOORS AS SCHEDULED TO REMAIN AND REFINISH AS INDICATED.
- PROVIDE SMOOTH TRANSITION WHERE NEW CONSTRUCTION INTERSECTS WITH EXISTING CONDITIONS. IN ALL AREAS ADJACENT TO NEW CONSTRUCTION, REPAIR/REFINISH AND INSTALL NEW WALL, BASE, PAINT, ETC. WHERE NECESSARY TO AVOID PATCHES OR INCONSISTENT FINISHES.
- INCLUDE ALL TRIM, INSIDE/OUTSIDE CORNER, CONNECTOR, AND END CAP PIECES FOR COMPLETE INSTALLATION OF FINISHES.
- A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF TILE, VINYL FLOORING, AND WALL PROTECTIVE PRODUCTS.

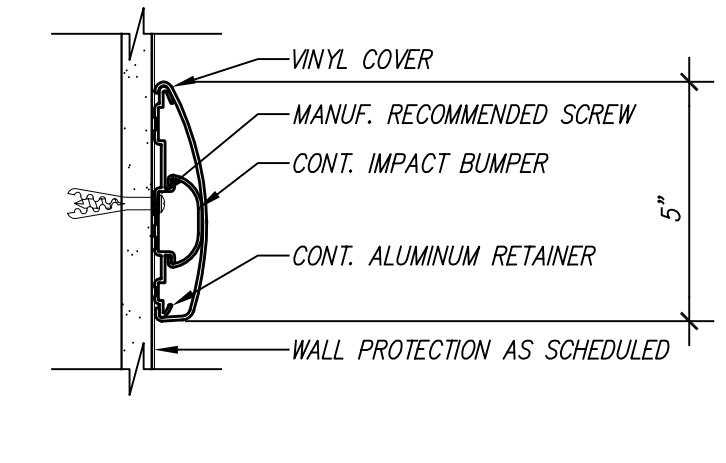
KEYED NOTES

- DESIGNATED BY:
- NO WORK IN THIS AREA.
 - PAINT P2 AS SCHEDULED AT THIS LOCATION.
 - REPAIR/PATCH WALL FINISHES DISTURBED IN THIS AREA AS SCHEDULED OR TO MATCH EXISTING.
 - TOP OF BUMPER RAIL BR1 TO BE INSTALLED AT 36" AFF AND TOP OF BUMPER RAIL BR2 TO BE INSTALLED AT 10" AFF AT THIS LOCATION. SEE 24/ID2 AND 28/ID2.
 - WORKSURFACE AND 4" BACKSPASH TO BE SOLID SURFACE MATERIAL SSM1 AS SCHEDULED AT THIS LOCATION.
 - WORKSURFACE AND 4" BACKSPASH TO BE STAINLESS STEEL SS1 AS SCHEDULED AT THIS LOCATION.
 - TRANSACTION COUNTER TO BE QSM1 AS SCHEDULED.
 - INSTALL WALL PROTECTION WITH TOP OF TRIM CAP AT APPROXIMATELY 50-1/4" AFF IN THIS AREA AS SCHEDULED.
 - INSTALL WALL PROTECTION FULL HEIGHT IN THIS AREA AS SCHEDULED.
 - PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING MATERIALS AT THIS LOCATION.
 - WORKSURFACE TO BE SOLID SURFACE MATERIAL SSM2 AT THIS LOCATION.
 - INSTALL WALL PROTECTION WITH TOP OF TRIM CAP TO ALIGN WITH TOP OF BACKSPASH ON MILLWORK IN THIS AREA AS SCHEDULED.

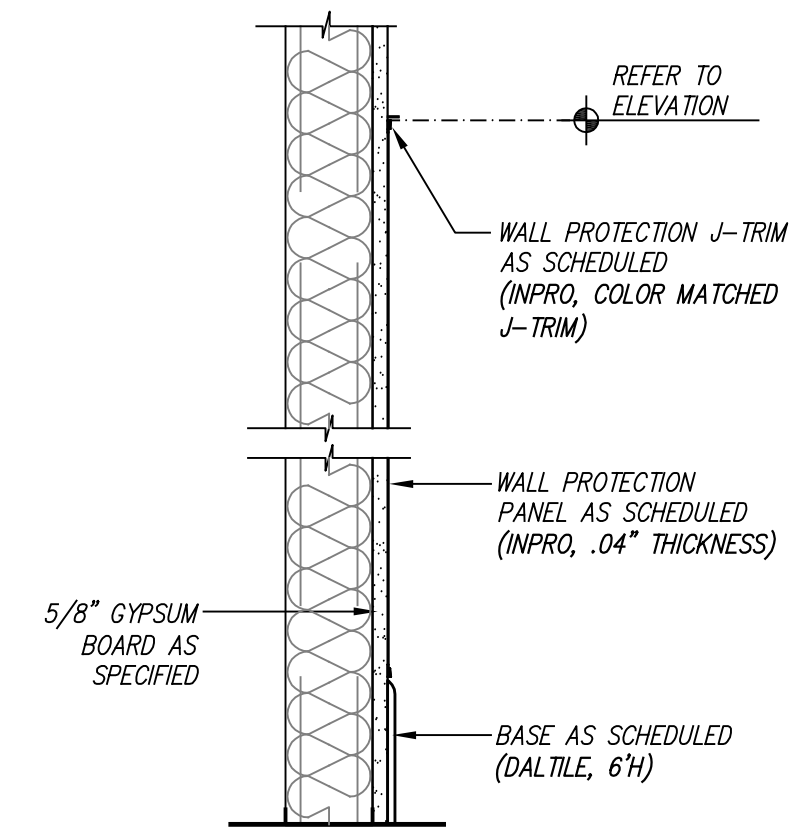
WALL FINISH LEGEND



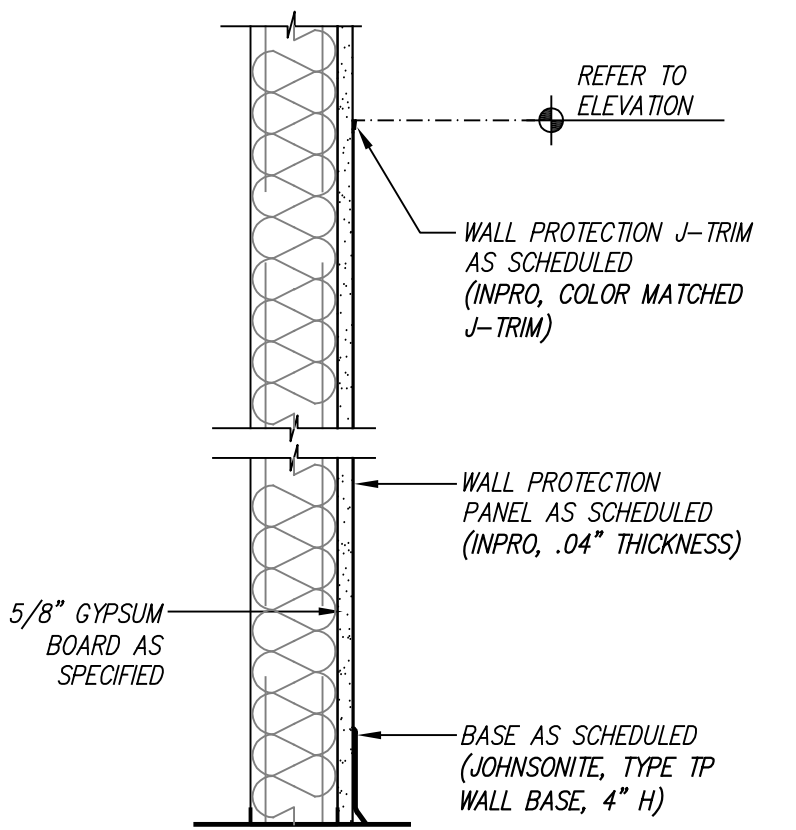
28/ID2 BUMPER RAIL BR1
SCALE: 3" = 1'-0"



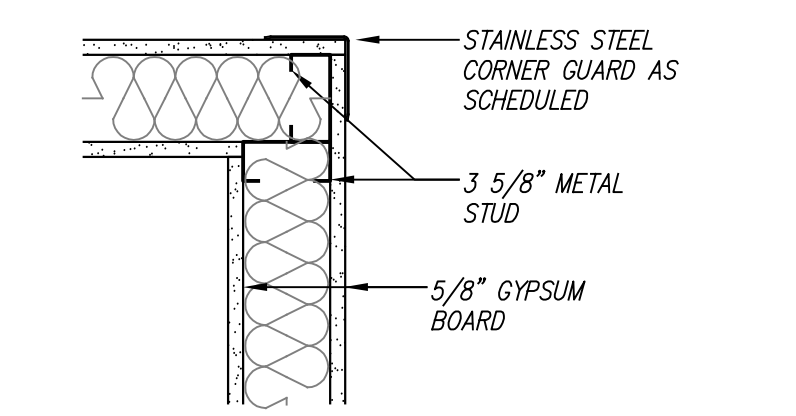
24/ID2 BUMPER RAIL BR2
SCALE: 3" = 1'-0"



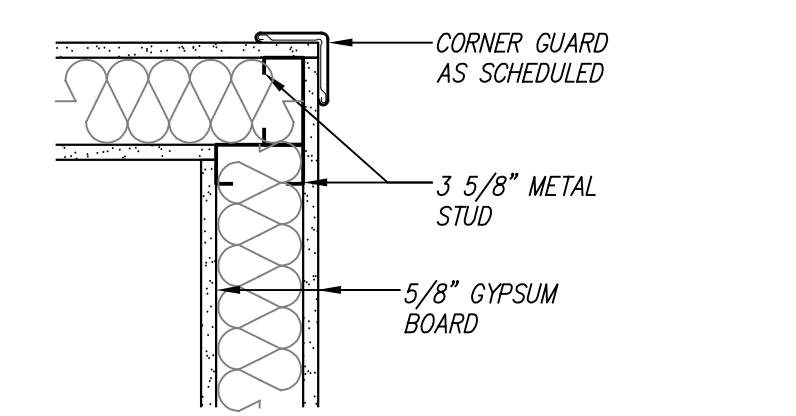
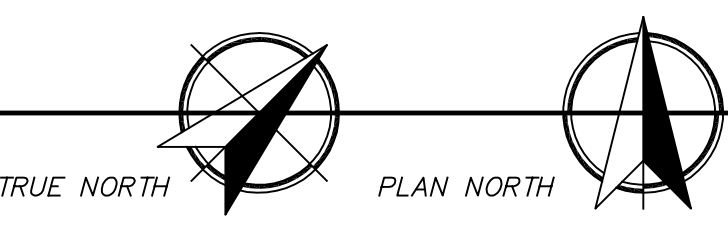
20/ID2 TYP. TOILET ROOM
SCALE: 1 1/2" = 1'-0"



16/ID2 TYP. WALL PROTECTION
SCALE: 1 1/2" = 1'-0"



12/ID2 CORNER GUARD CG1
SCALE: 1 1/2" = 1'-0"



08/ID2 CORNER GUARD CG2
SCALE: 1 1/2" = 1'-0"

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REGISTERED INTERIOR DESIGNER
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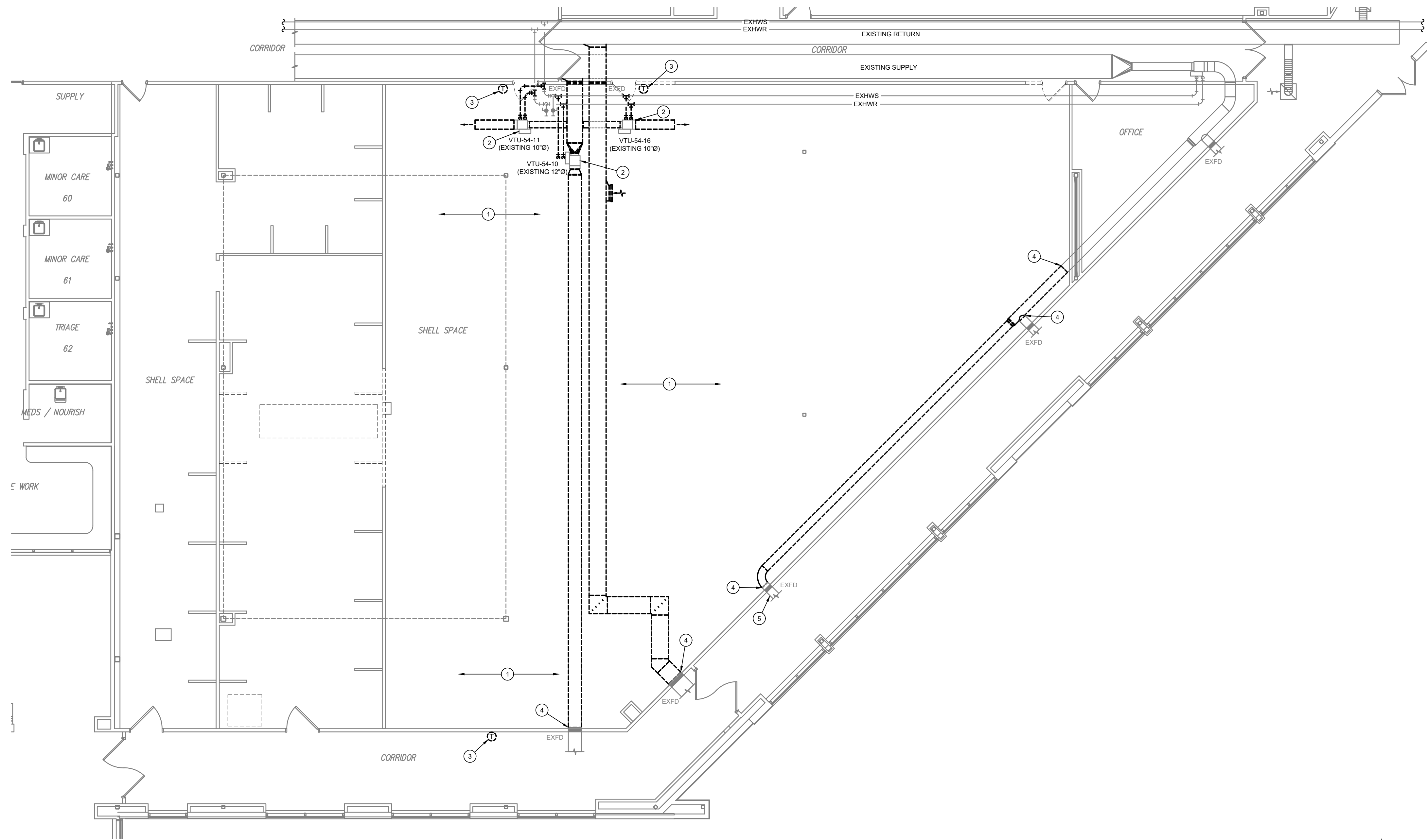
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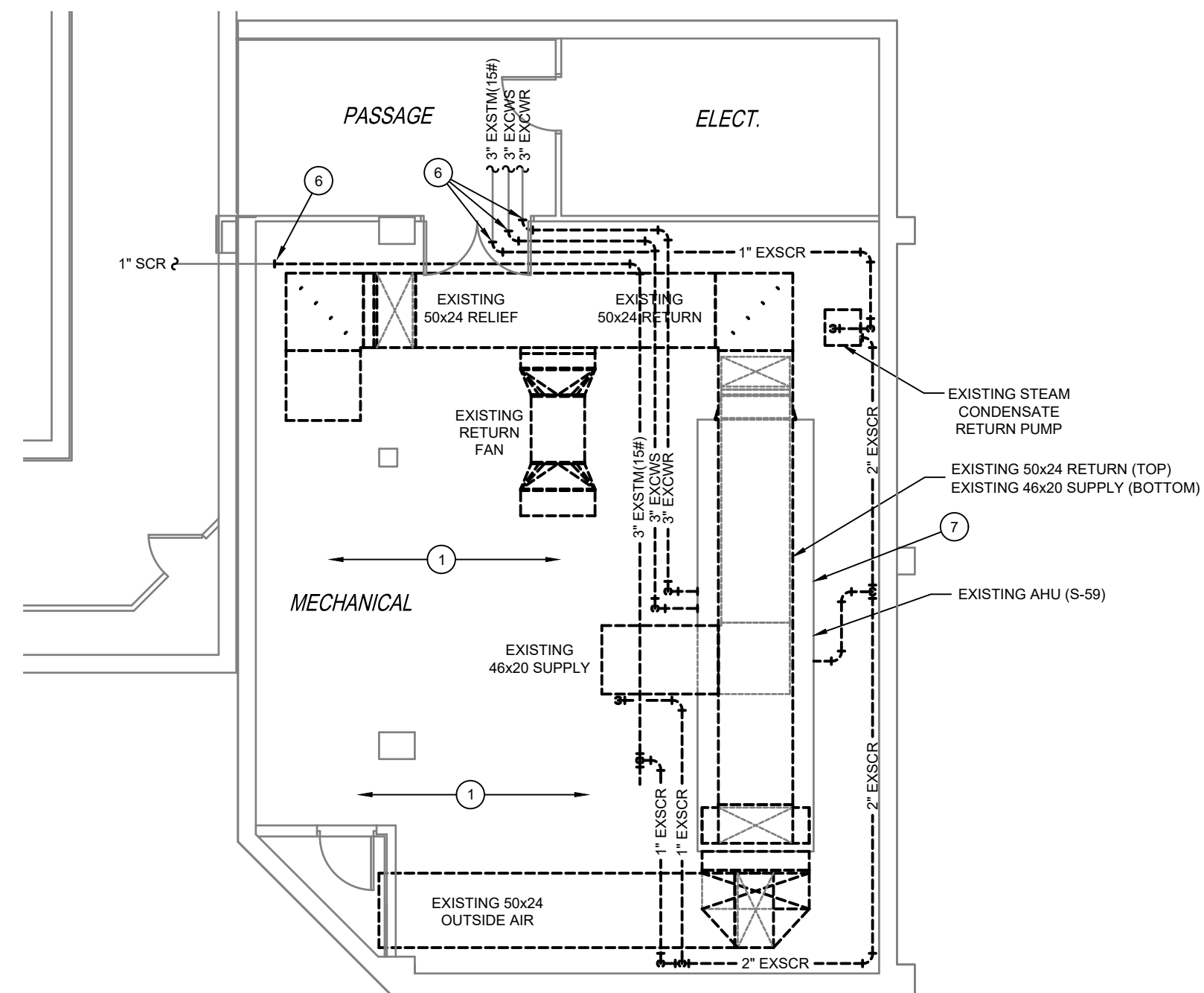
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DATE: 03/14/2025
PROJECT NO. 22418

SHEET NO.
ID2
2 OF 2



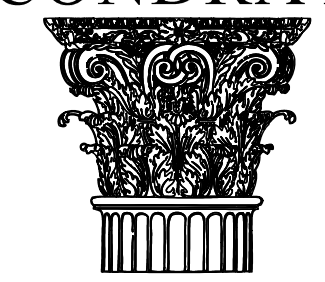
1/M1 FIRST FLOOR PLAN - MECHANICAL DEMOLITION
SCALE: 1/8" = 1'-0"



2/M1 BASEMENT FLOOR PLAN - MECHANICAL DEMOLITION
SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
REFER TO SHEET M0 FOR ALL APPLICABLE GENERAL NOTES.
- KEYED NOTES**
1. REMOVE ALL DUCTWORK, PIPING, EQUIPMENT, DIFFUSERS, GRILLES, AND ALL ASSOCIATED ITEMS SHOWN DASHED.
 2. EXISTING VAV BOX TO BE RELOCATED AND REUSED AS SHOWN ON NEW PLAN. REMOVE ALL EXISTING DUCTWORK AND PIPING AS SHOWN.
 3. REMOVE EXISTING THERMOSTAT SHOWN DASHED. PROVIDE NEW THERMOSTAT FOR EXISTING VAV BOX AS SHOWN ON NEW FLOOR PLAN.
 4. REMOVE EXISTING DUCTWORK BACK TO THIS LOCATION, AND PREPARE TO CONNECT TO NEW DUCTWORK AS SHOWN ON NEW PLAN.
 5. RELOCATE EXISTING FIRE DAMPER AND ASSOCIATED DUCTWORK TO ACCOMMODATE THE NEW FIRE RATED WALL LAYOUT AS SHOWN ON THE NEW PLAN.
 6. REMOVE CHILLED WATER AND STEAM PIPING BACK TO THIS LOCATION. PREPARE TO EXTEND WITH NEW PIPING AS SHOWN ON NEW PLAN.
 7. EXISTING AIR HANDLING UNIT (S-59) LOCATED IN BASEMENT SHALL BE REFURBISHED. REFER TO SPECIFICATIONS AND NEW FLOOR PLAN.
 8. REMOVE ALL CONNECTED DUCTS AND PIPING, AND ALL INTERNAL COMPONENTS AS REQUIRED FOR REFURBISHMENT.

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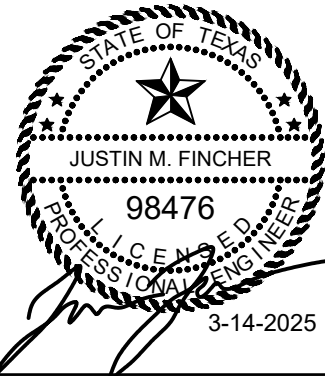


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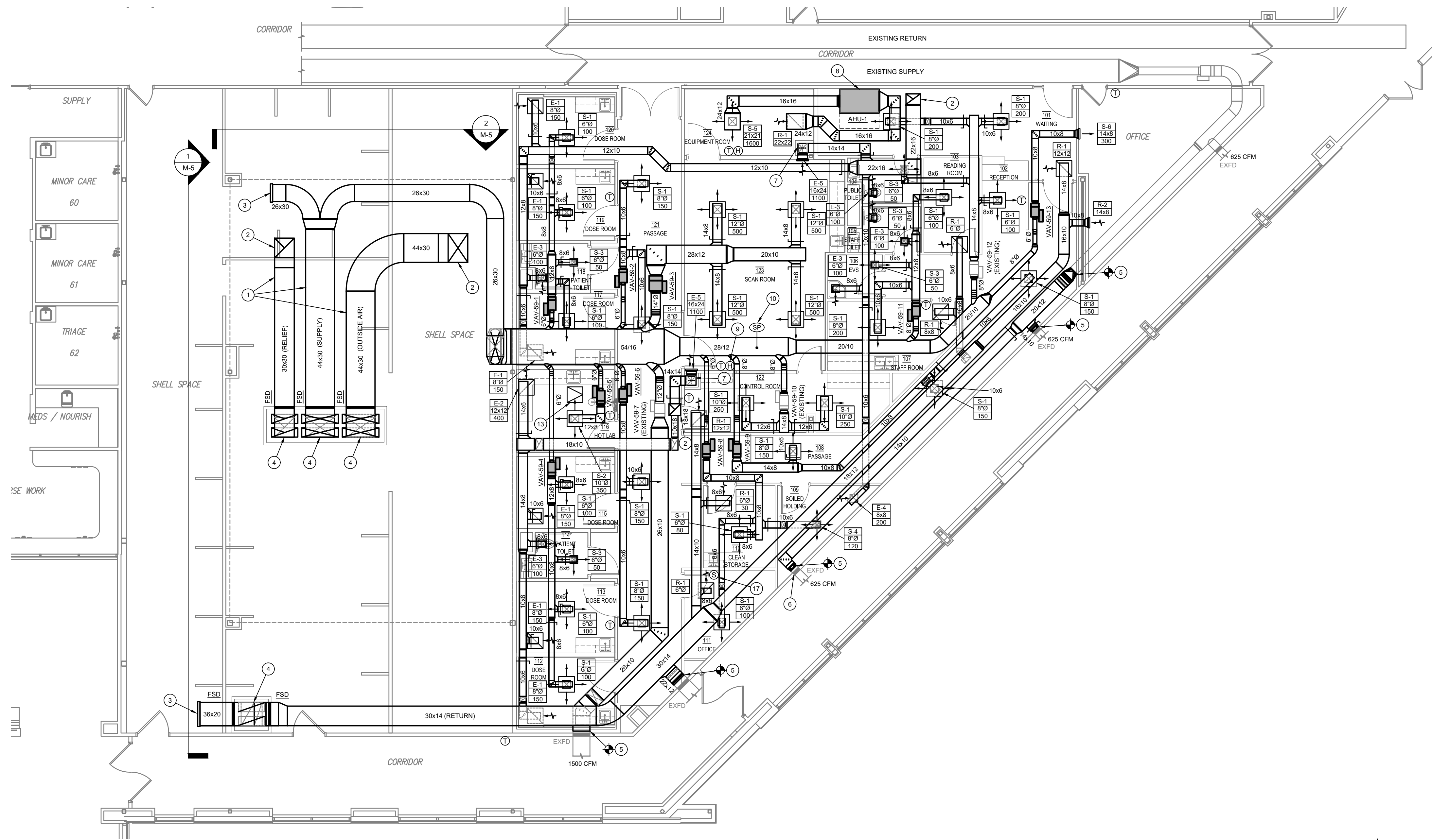
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DATE: 03/14/2025

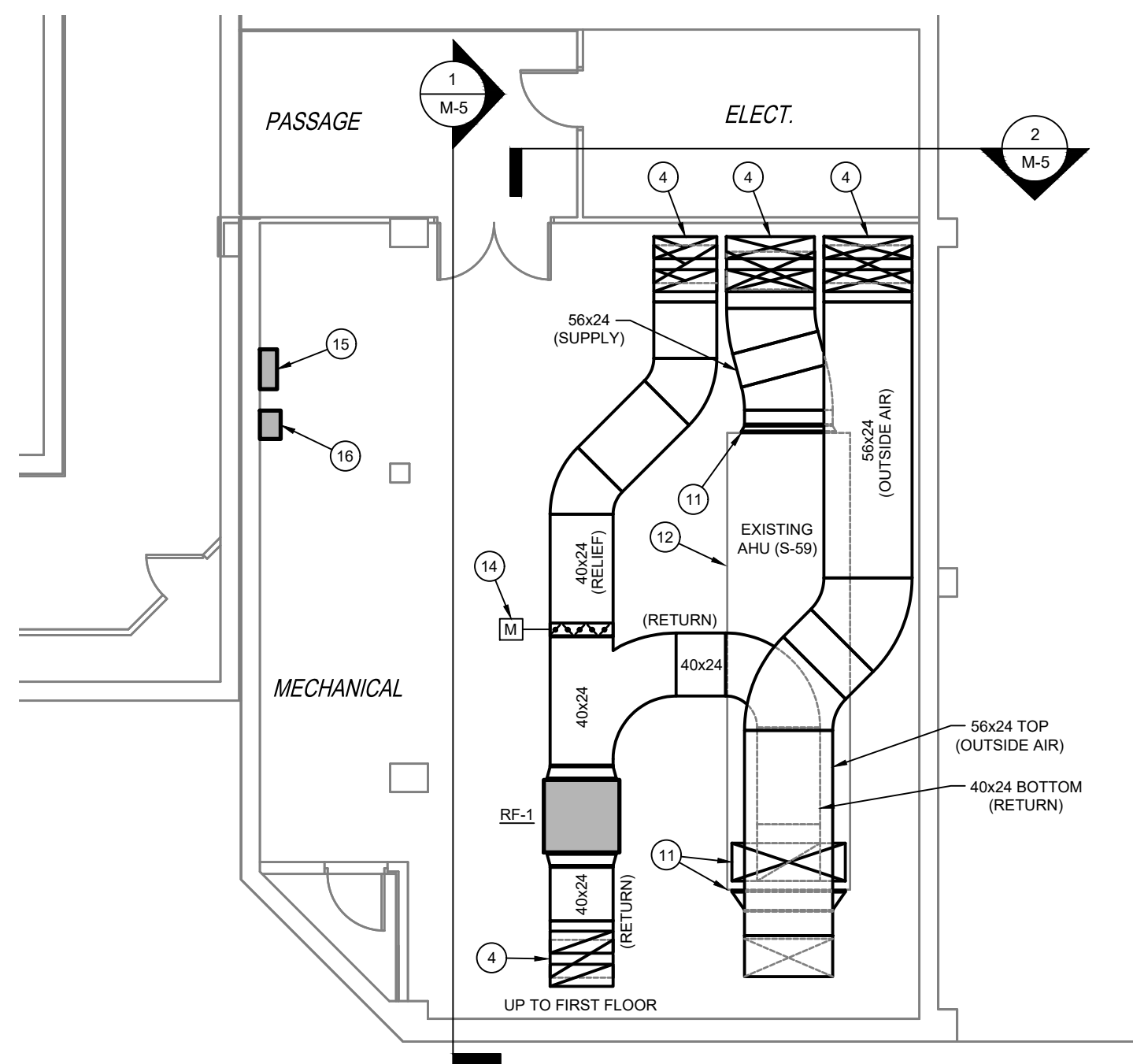
SHEET NO.

M1

2 OF 9



1/M2 FIRST FLOOR PLAN - MECHANICAL DUCTWORK
SCALE: 1/8" = 1'-0"



2/M2 BASEMENT FLOOR PLAN - MECHANICAL DUCTWORK
SCALE: 1/8" = 1'-0"



GENERAL NOTES

REFER TO SHEET M0 FOR ALL APPLICABLE GENERAL NOTES.

KEYED NOTES

1. ROUTE DUCTS AS HIGH AS POSSIBLE IN CLEARSTORY AREA.
2. ROUTE DUCT UP TO ROOF, REFER TO ROOF PLAN FOR CONTINUATION.
3. CAP DUCT FOR FUTURE EXTENSION.
4. ROUTE DUCT DOWN INSIDE NEW SHAFT TO BASEMENT BELOW. PROVIDE FIRE SMOKE DAMPERS IN ALL DUCT PENETRATIONS AT SHAFT WALL. DUCTS PASSING THROUGH THE FIRST FLOOR SHALL SPLIT INTO 2 DUCTS TO AVOID FLOOR JOISTS. DUCT SIZES THRU THE FLOOR SHALL BE (x2) 56x14 FOR SUPPLY AND OUTSIDE AIR, AND (x2) 40x14 FOR RETURN AND RELIEF DUCTS.
5. CONNECT NEW DUCTWORK TO EXISTING DUCT AT THIS LOCATION. RE-BALANCE EXISTING AIRFLOW IF INDICATED ON PLAN.
6. NEW LOCATION FOR EXISTING FIRE DAMPER. MODIFY EXISTING DUCTWORK IN CORRIDOR AS REQUIRED TO CONNECT BACK TO NEW FIRE DAMPER LOCATION. RE-BALANCE EXISTING AIRFLOW AS SHOWN.
7. ROUTE 14x14 EXHAUST DUCT DOWN IN CHASE, THEN TRANSITION TO 16x24 LOW EXHAUST GRILLE MOUNTED AT 6" ABOVE FLOOR.
8. EQUIPMENT ROOM SPLIT SYSTEM. MAINTAIN CLEARANCE AREA SHOWN DASHED.
9. HUMIDITY SENSOR FOR STEAM HUMIDIFIER SERVING S-59.
10. DUCT STATIC PRESSURE SENSOR FOR S-59 LOCATED APPROXIMATELY 2/3 DOWN THE MAIN SUPPLY DUCT.
11. CONNECT NEW DUCT TO EXISTING AIR HANDLING UNIT S-59. PROVIDE TRANSITION AND FLEX CONNECTION.
12. EXISTING AIR HANDLING UNIT S-59 TO BE REFURBISHED. REFER TO SPECIFICATIONS AND SCHEDULES.
13. PROVIDE 24x24 HINGED AND GASKETED CEILING PANEL FOR VAV BOXES LOCATED ABOVE HARD CEILING.
14. ECONOMIZER RELIEF DAMPER. REFER TO TEMPERATURE CONTROL SPECIFICATIONS.
15. BAS PANEL. COORDINATE WITH JOHNSON CONTROLS.
16. WALL-MOUNTED VFD FOR RETURN FAN (RF-1).
17. EMERGENCY HVAC SHUTDOWN BUTTON FOR AHU S-59. COORDINATE WITH ELECTRICAL CONTRACTOR.

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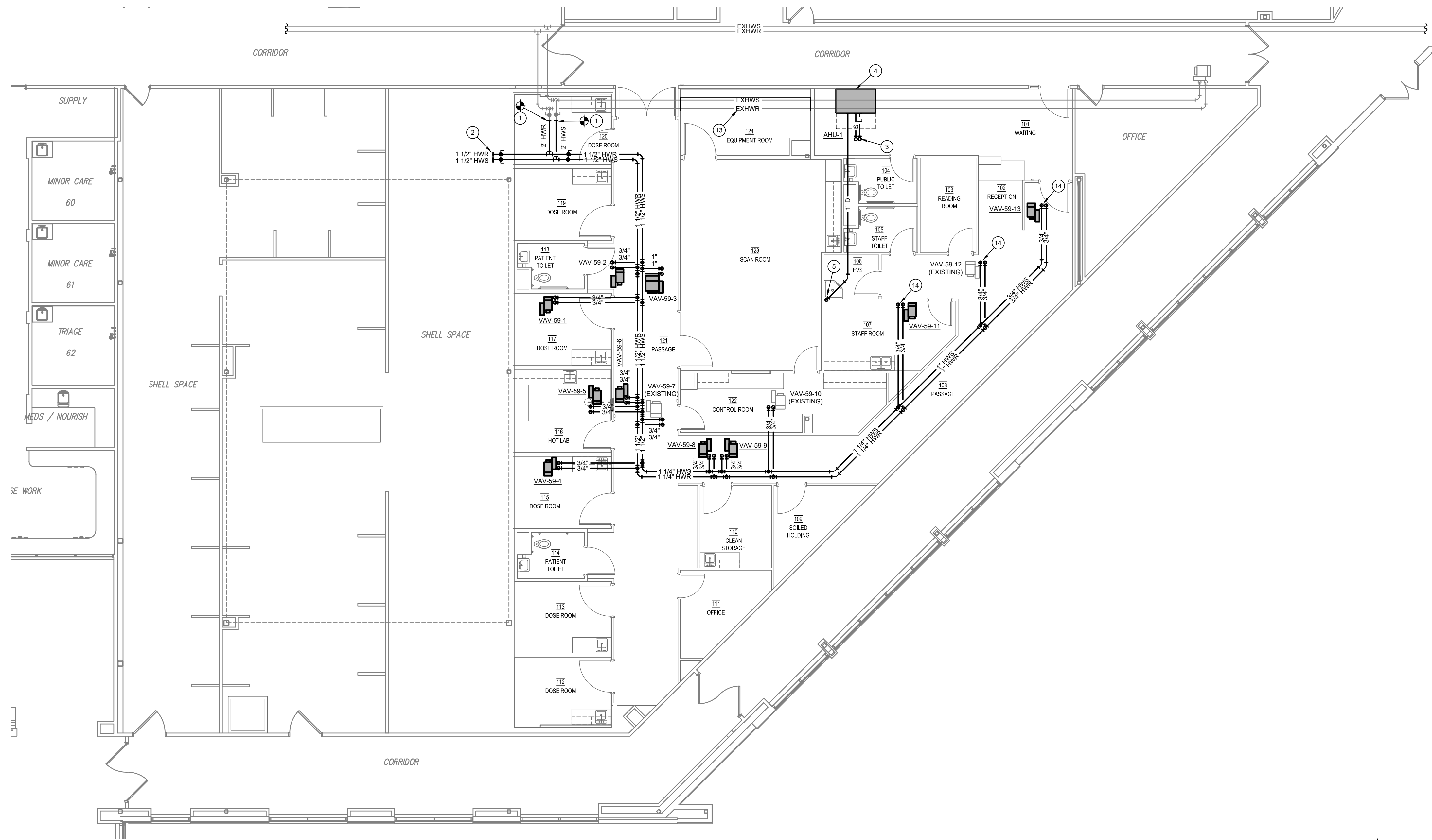
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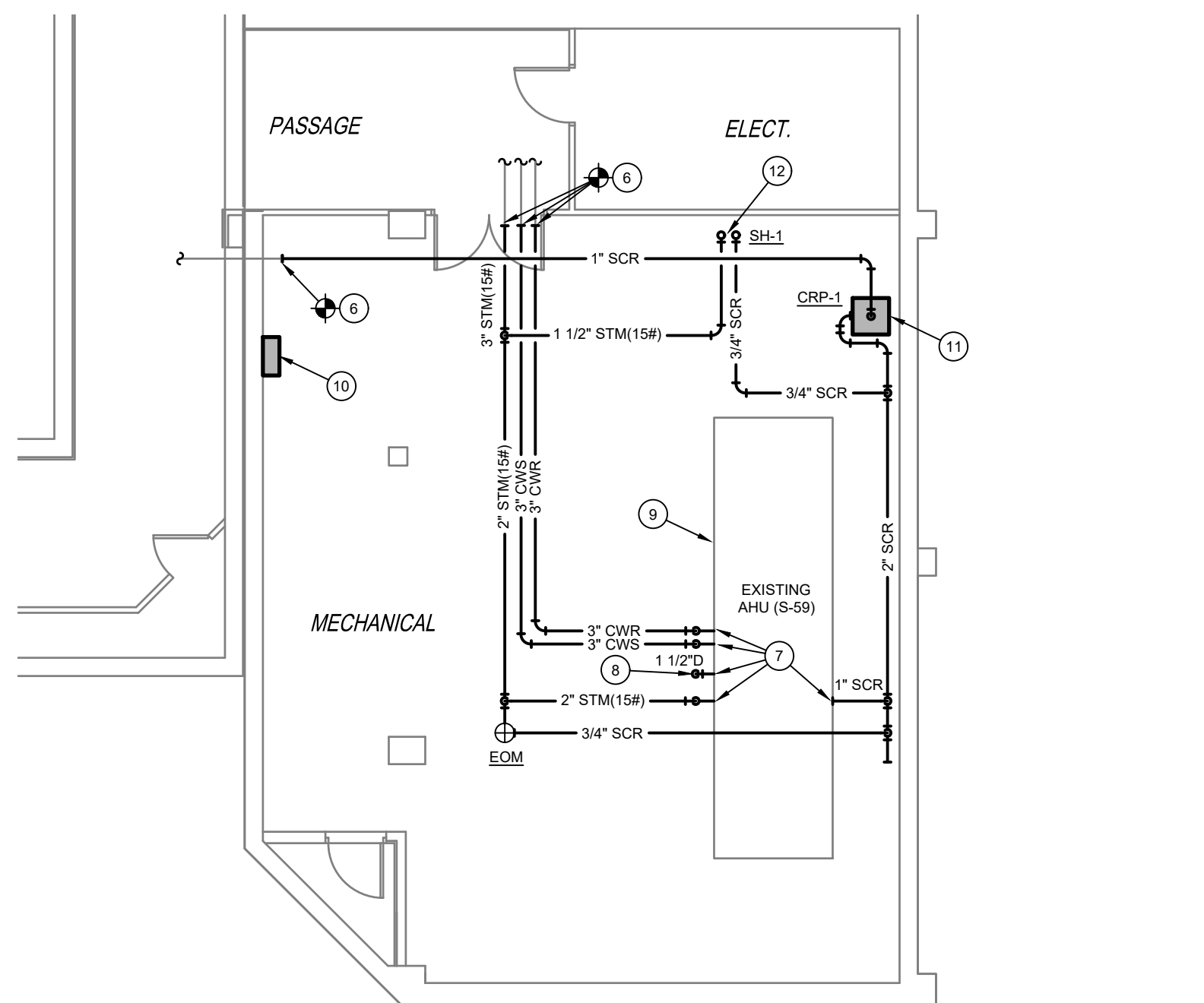
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SHEET NO.
M2

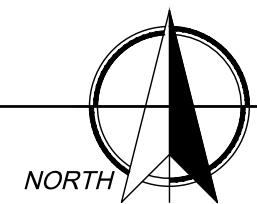
3 OF 9



1/M3 FIRST FLOOR PLAN - MECHANICAL PIPING
SCALE: 1/8" = 1'-0"



2/M3 BASEMENT FLOOR PLAN - MECHANICAL PIPING
SCALE: 1/8" = 1'-0"



GENERAL NOTES

REFER TO SHEET M0 FOR ALL APPLICABLE GENERAL NOTES.

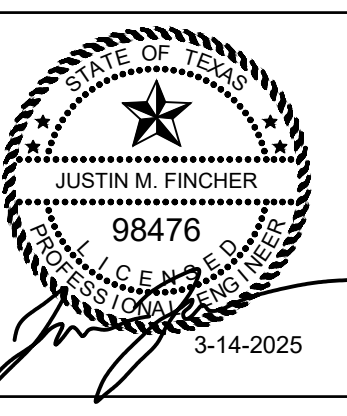
KEYED NOTES

1. CONNECT NEW 2" HEATING WATER SUPPLY AND RETURN LINES TO EXISTING MAIN LINES.
2. VALVE AND CAP 1 1/2" HEATING WATER SUPPLY AND RETURN LINES TO BE EXTENDED IN FUTURE FINISH OUT.
3. REFRIGERANT LINES UP THRU ROOF TO CONDENSING UNIT.
4. EQUIPMENT ROOM AIR HANDLING UNIT. CONNECT REFRIGERANT LINES AND 1" CONDENSATE DRAIN LINE.
5. ROUTE 1" CONDENSATE DRAIN LINE DOWN IN WALL TO SPILL TO MOP BASIN WITH 1" AIR GAP.
6. CONNECT NEW 3" CHILLED WATER SUPPLY AND RETURN, 3" STEAM (15#), AND 1" SCR LINES TO EXISTING LINES IN BASEMENT.
7. CONNECT NEW PIPING TO EXISTING AIR HANDLING UNIT S-59. REFER TO DETAILS FOR COIL CONNECTIONS.
8. SPILL 1 1/2" DRAIN LINE TO EXISTING FLOOR DRAIN WITH 1" GAP.
9. EXISTING AIR HANDLING UNIT S-59 TO BE REFURBISHED. REFER TO SPECIFICATIONS.
10. BAS PANEL. COORDINATE WITH JOHNSON CONTROLS.
11. STEAM CONDENSATE RETURN PUMP. REFER TO DETAIL.
12. STEAM HUMIDIFIER WITH DISPERSION TUBE MOUNTED IN SUPPLY DUCT MAIN. REFER TO DETAIL.
13. PROVIDE DRAIN PAN UNDERNEATH EXISTING HEATING WATER PIPING ROUTING OVER EQUIPMENT ROOM. PROVIDE LEAK SENSOR IN LOWEST PART OF DRAIN PAN, AND CONNECT TO BAS SYSTEM.
14. PROVIDE VAV BOX WITH 3-WAY CONTROL VALVE. ALL OTHER CONTROL VALVES SHALL BE 2-WAY.

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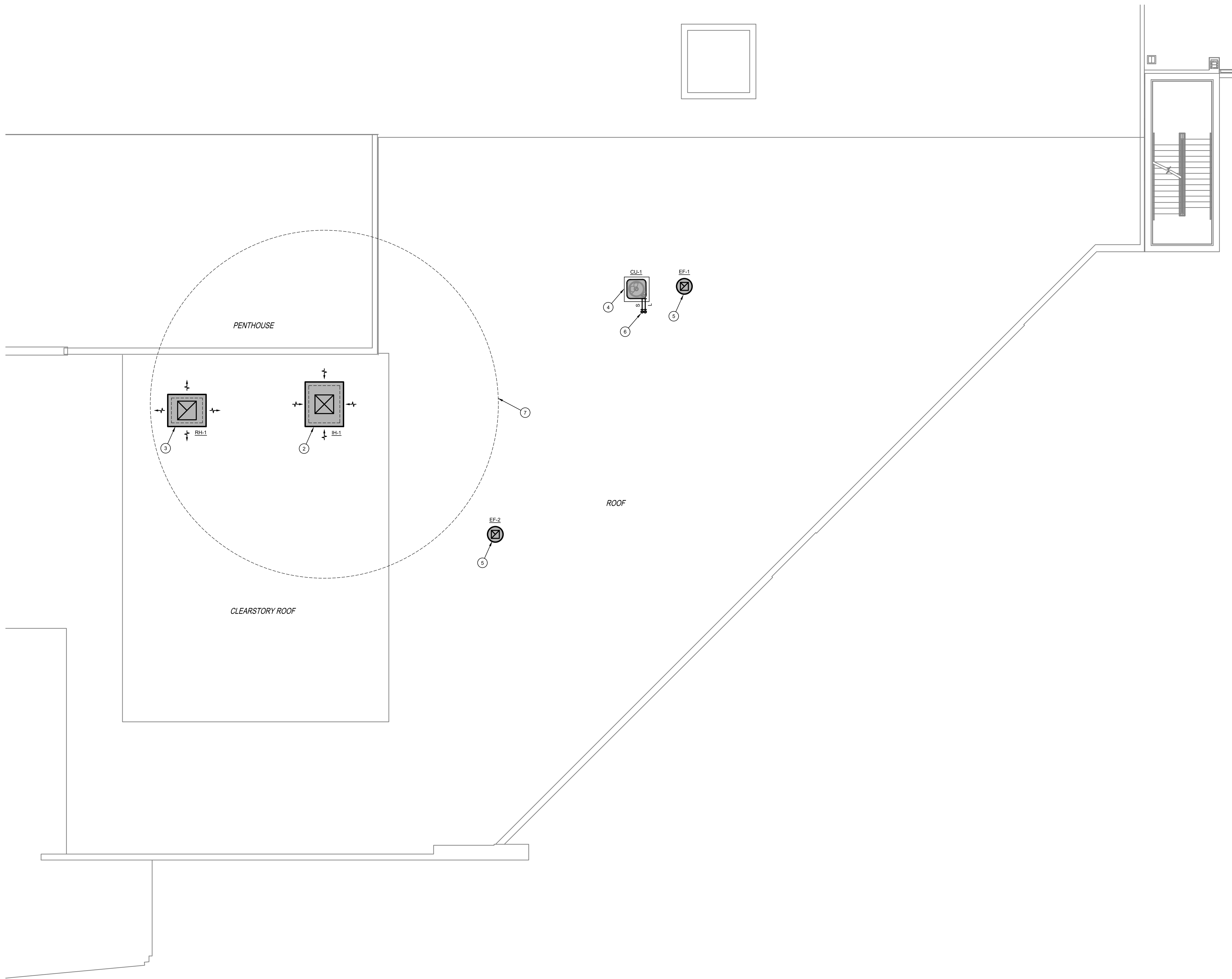
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SHEET NO.
M3

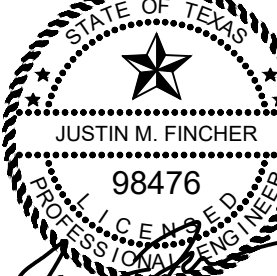
4 OF 9



- | GENERAL NOTES | |
|---|--|
| REFER TO SHEET M0 FOR ALL APPLICABLE GENERAL NOTES. | |
| KEYED NOTES | |
| 1. | NEW RELIEF HOOD TO SERVE AIR HANDLING UNIT S-59. |
| 2. | NEW OUTSIDE AIR INTAKE HOOD TO SERVE AIR HANDLING UNIT S-59. PROVIDE MOUNTING CURB WITH HEIGHT TO ALLOW FOR GREATER THAN 36" SEPARATION BETWEEN THE ROOF AND AIR INTAKE. |
| 3. | NEW RELIEF HOOD TO SERVE AIR HANDLING UNIT S-59. PROVIDE MOUNTING CURB WITH HEIGHT TO ALLOW FOR GREATER THAN 36" SEPARATION BETWEEN THE ROOF AND RELIEF AIR. |
| 4. | EQUIPMENT ROOM CONDENSING UNIT MOUNTED ON ROOF PLATFORM. REFER TO DETAIL. |
| 5. | NEW GENERAL EXHAUST FAN MOUNTED ON ROOF. |
| 6. | ROUTE REFRIGERANT LINES DOWN THRU ROOF IN ENCLOSURE SYSTEM. REFER TO DETAIL. |
| 7. | MAINTAIN 25'-0" CLEARANCE FROM INTAKE HOOD TO ANY NEW OR EXISTING EXHAUSTS, FLUES, AND PLUMBING VENTS. |

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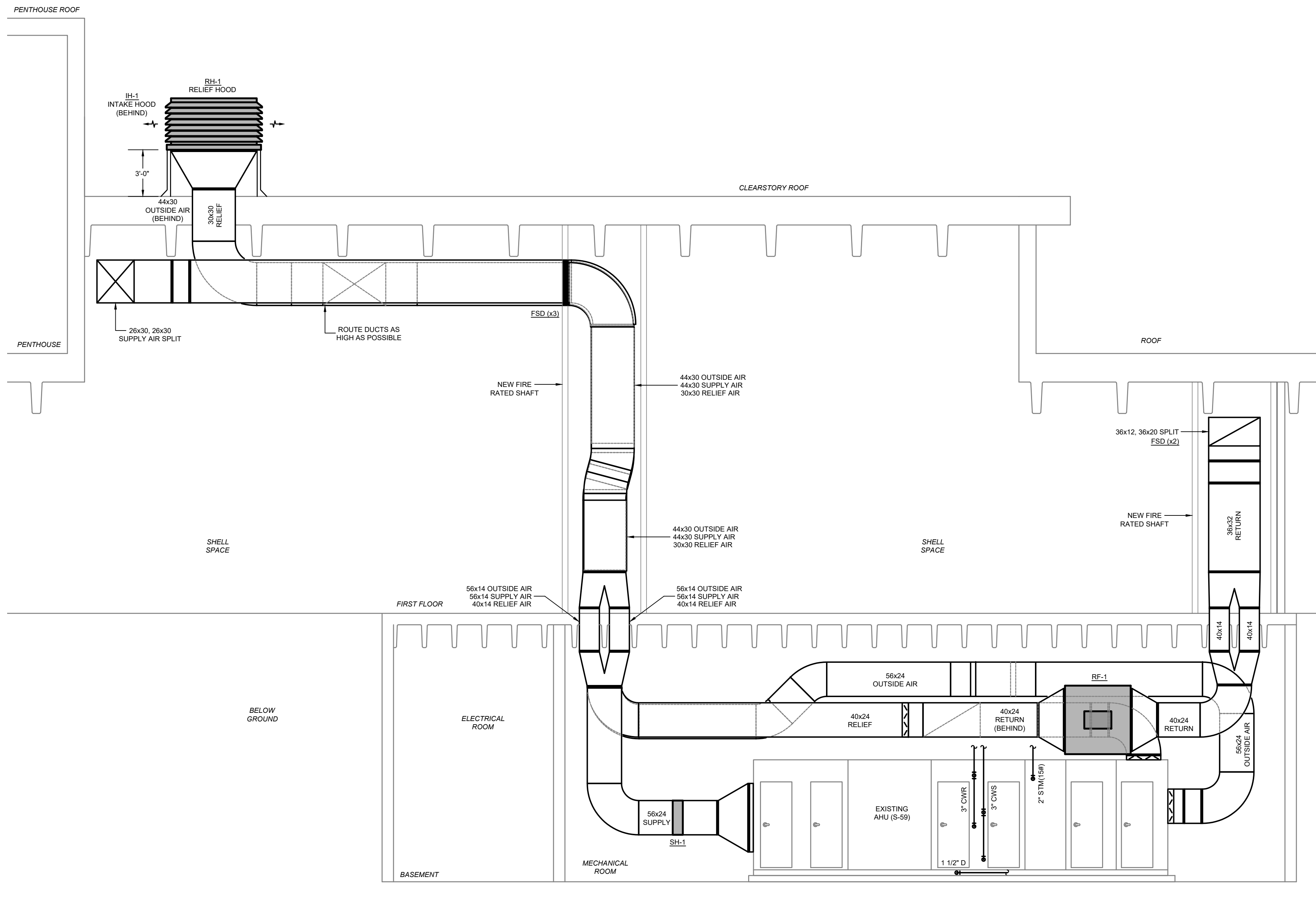
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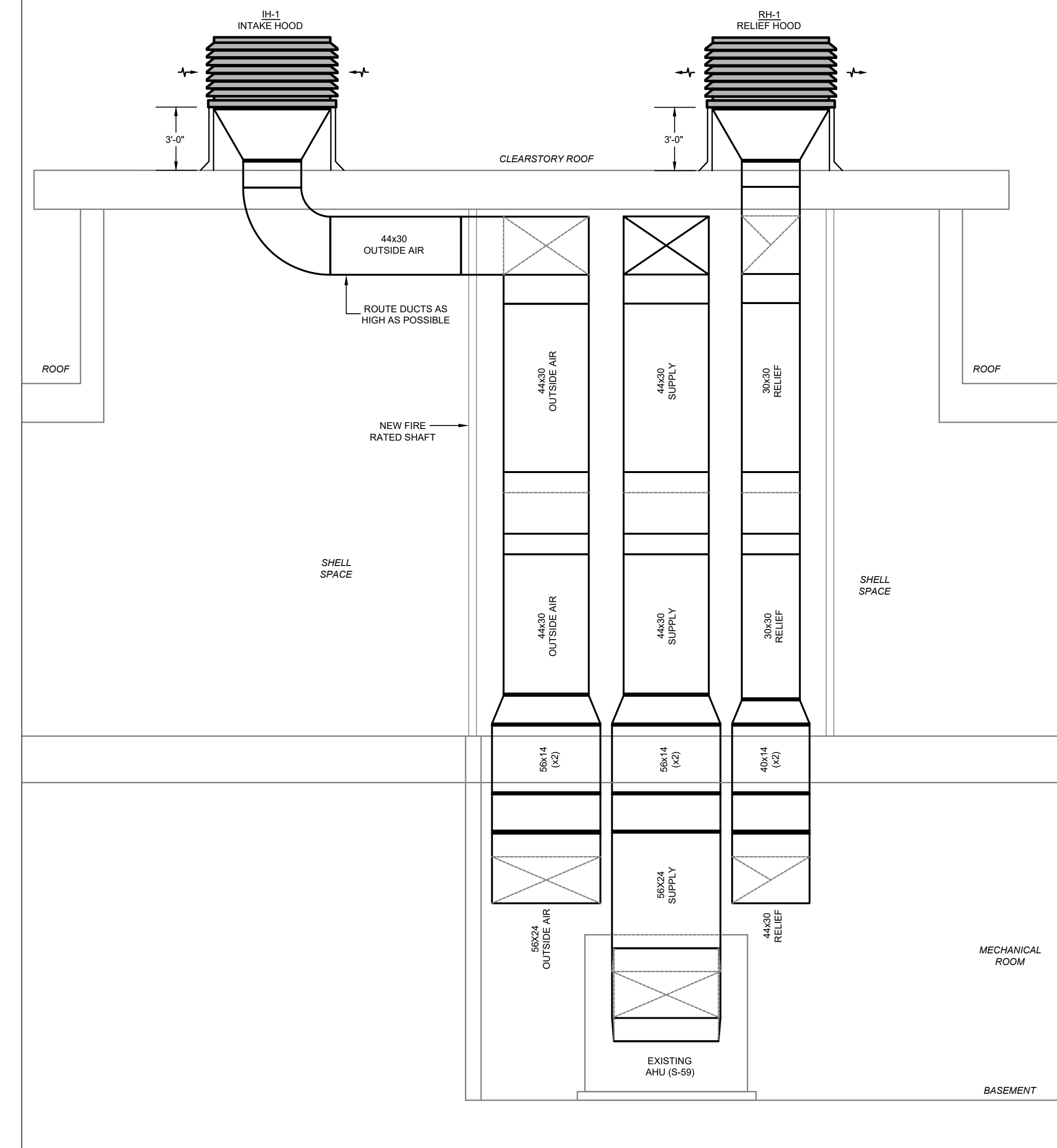
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1/M4 ROOF PLAN - MECHANICAL
 SCALE: 1/8" = 1'-0"

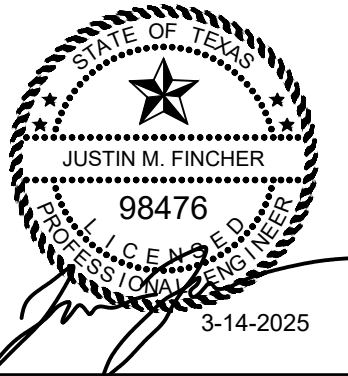




1/M5 MECHANICAL SECTION #1
SCALE: 1/4" = 1'-0"



2/M5 MECHANICAL SECTION #2
SCALE: 1/4" = 1'-0"



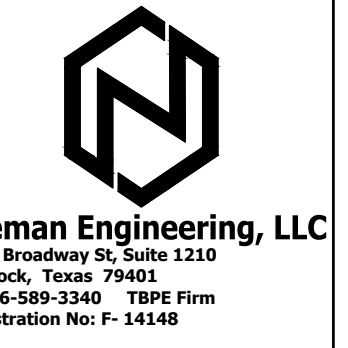
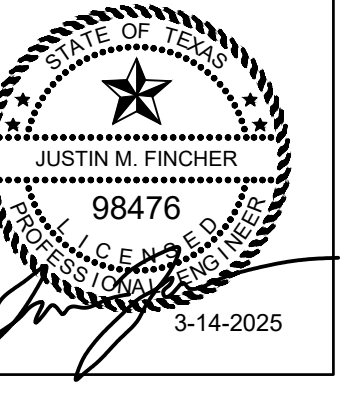
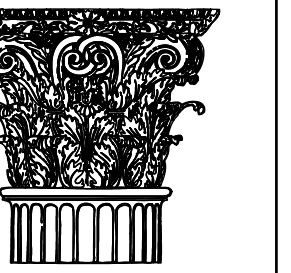
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M5
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SHEET NO.
M6

| MARK | SUPPLY FAN ARRAY DATA | | | | | | COOLING COIL DATA (CHILLED WATER) | | | | PRE-HEAT COIL DATA (STEAM) | | | | | FILTER DATA | | | |
|------|-----------------------|-----------|-------------------------|---------------|---------------|------------------|-----------------------------------|-----------------------------|---------------|--------------------------------|----------------------------|----------------|------------------|--------|--------|--------------------------|----------------------------|-------------|---------------|
| | S.A. CFM | MIN. O.A. | FAN HP X QUANTITY | E.S.P. (INWC) | T.S.P. (INWC) | MOTOR ELEC. | GPM | CAPACITY (TOTAL / SENSIBLE) | EWI/ LWT (°F) | EAT (DB,WB) / LAT (DB,WB) (°F) | NO. OF ROWS/ FINS PER INCH | STEAM PRESSURE | CAPACITY (TOTAL) | LBS/HR | CFM | EAT (DB) / LAT (DB) (°F) | NO. OF ROWS/ FINS PER INCH | PRE-FILTERS | FINAL FILTERS |
| S-59 | 15,000 | 5,000 | 3.69 HP (x6) = 22.18 HP | 3.0" | 5.58" | 480 V, 3Ø, 60 HZ | 76.5 | 462 MBH/ 405 MBH | 45 / 57 | 81.3, 63.5 / 52.7, 52.0 | 6 / 8 | 15 PSI | 347 MBH | 367.0 | 15,000 | 46.0 / 70.3 | 1 / 6 | 2" - MERV 8 | 12" - MERV 14 |

NOTES:

- UNIT SHALL BE FULLY REFURBISHED AS SCHEDULED. EXISTING UNIT IS TEMTROL.
- ALL COMPONENTS SHALL BE TRANSPORTED THROUGH EXISTING BUILDING, THEN INSTALLED IN EXISTING UNIT IN BASEMENT MECHANICAL ROOM.
- REFER TO SPECIFICATIONS FOR INFORMATION OF WHICH COMPONENTS ARE TO BE REPLACED WITH NEW, AND WHICH COMPONENTS ARE TO REMAIN.
- THE PERFORMANCE DATA LISTED IN THIS SCHEDULE IS THE CRITERIA THAT ALL NEW COMPONENTS SHALL MEET.
- ALL SELECTIONS ARE BASED ON JOBSITE ELEVATION.
- COOLING COIL VELOCITIES SHALL BE 500 FPM OR LESS.
- ESP EXCLUDES COILS, CASING, OR DAMPER PRESSURE LOSSES.
- SUPPLY FANS SHALL BE ECM FAN ARRAY, WITH N+1 REDUNDANCY. THE DESIGNED FAN ARRAY HAS 5 FANS HANDLING 100% OF THE LOAD, 1 FAN ON STANDBY.

| ROOF HOOD SCHEDULE | | | | | | | | |
|--------------------|-----------------|-------|--------|--------|------------|-----------------|----------|----------|
| MARK | BASIS OF DESIGN | | SERVES | CFM | DIMENSIONS | THROAT VELOCITY | P.D. MAX | SERVES |
| | MANUFACTURER | MODEL | | | | | | |
| IH-1 | PENN BARRY | PH | INTAKE | 15,000 | 60"x72" | 500 FPM | 0.05" | AHJ S-59 |
| RH-1 | PENN BARRY | PH | RELIEF | 10,000 | 60"x48" | 500 FPM | 0.05" | AHJ S-59 |

NOTES:

- PROVIDE BIRDSCREEN WITH RELIEF HOODS, AND INSECT SCREEN WITH INTAKE HOODS.
- PROVIDE ROOF MOUNTING CURB, AIRFLOW TO BE MINIMUM 36" FROM ROOF LEVEL.
- HOODS SHALL BE FACTORY FRAMED, AND THEN FIELD PAINTED WITH COLOR SELECTED BY A ARCHITECT.

| STEAM HUMIDIFIER SCHEDULE | | | | | | | |
|---------------------------|-----------------|-------|--------|--------|-----------|-------------|----------------|
| MARK | BASIS OF DESIGN | | LBS/HR | #TUBES | DUCT SIZE | AIRFLOW CFM | STEAM PRESSURE |
| | MANUFACTURER | MODEL | | | | | |
| SH-1 | DRI STEAM | MP | 273.3 | 4 | 56"Wx24"H | 15000 | 15 PSI |

NOTES:

- MODULATING STEAM CONTROL.
- VERIFY ALL DUCT SIZES AND STEAM PRESSURE PRIOR TO ORDERING HUMIDIFIER.
- WALL MOUNTED HUMIDISTAT PROVIDED BY BAS CONTRACTOR.

| VAV BOX SCHEDULE (SINGLE DUCT WITH HOT WATER COIL) | | | | | | | | | | | | | |
|--|-----------------------|-------|---------|-----------------|----------|------|------------|--------------|-----|-----------|-------------|-------|--|
| MARK | BASIS OF DESIGN | | MAX CFM | HEATING MAX CFM | MIN. CFM | ESP | INLET SIZE | HEATING DATA | | | | | |
| | MANUFACTURER | MODEL | | | | | | CAP. (MBH) | GPM | EAT/LAT | EWI/LWT | C.V. | |
| VAV-59-1 | TITUS | DESV | 350 | 350 | 350 | 0.4" | 6" | 13.2 | 1.3 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-2 | TITUS | DESV | 300 | 300 | 300 | 0.4" | 6" | 11.3 | 1.1 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-3 | TITUS | DESV | 2000 | 2,000 | 2,000 | 0.4" | 14" | 75.6 | 7.6 | 55°F/90°F | 180°F/160°F | 3-WAY | |
| VAV-59-4 | TITUS | DESV | 350 | 350 | 350 | 0.4" | 6" | 13.2 | 1.3 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-5 | TITUS | DESV | 350 | 350 | 350 | 0.4" | 6" | 13.2 | 1.3 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-6 | TITUS | DESV | 300 | 300 | 300 | 0.4" | 6" | 11.3 | 1.1 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-7 | (EXISTING) SEE NOTE D | | 1500 | 750 | 450 | 0.4" | 12" | 28.4 | 2.8 | 55°F/90°F | 180°F/160°F | 3-WAY | |
| VAV-59-8 | TITUS | DESV | 300 | 300 | 300 | 0.4" | 6" | 11.3 | 1.1 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-9 | TITUS | DESV | 450 | 450 | 450 | 0.4" | 6" | 17.0 | 1.7 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-10 | (EXISTING) SEE NOTE D | | 500 | 250 | 150 | 0.4" | 10" | 9.5 | 0.9 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-11 | TITUS | DESV | 400 | 200 | 120 | 0.4" | 8" | 7.6 | 0.8 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-12 | (EXISTING) SEE NOTE D | | 550 | 275 | 165 | 0.4" | 10" | 10.4 | 1.0 | 55°F/90°F | 180°F/160°F | 2-WAY | |
| VAV-59-13 | TITUS | DESV | 300 | 150 | 90 | 0.4" | 6" | 5.7 | 0.6 | 55°F/90°F | 180°F/160°F | 3-WAY | |

NOTES:

- IF REQUIRED, CONTRACTOR TO PROVIDE TRANSITION FROM DUCT SIZE SHOWN ON PLANS TO SCHEDULED BOX SIZE.
- PROVIDE ALL VAV BOXES WITH TITUS 'STERLOC' LINER.
- INLET DUCT SIZE SHALL MATCH SCHEDULED VAV BOX SIZE UNLESS NOTED OTHERWISE ON PLANS WITH 6"Ø BEING MINIMUM DUCT SIZE.
- VAV BOX IS EXISTING, TO BE RELOCATED AND REUSED. RELABEL UNIT AS LISTED IN SCHEDULE. REBALANCE AIRFLOWS AND HEATING WATER FLOW AS SCHEDULED. BAS CONTRACTOR SHALL NEW THERMOSTAT TO CONTROL EXISTING VAV BOX. MODEL TO MATCH OTHER NEW THERMOSTATS.

| RETURN FAN SCHEDULE | | | | | | | | | | | | |
|---------------------|-------------------|-----------------|---------------|--------|------|-------|------------|------------------|----------|-------|-----------------|--------------|
| MARK | TYPE | BASIS OF DESIGN | | CFM | ESP | RPM | MOTOR SIZE | MOTOR DRIVE TYPE | CONTROL | SONES | Electrical Data | WEIGHT (LBS) |
| | | MANUFACTURER | MODEL | | | | | | | | VOLTS/PH | |
| RF-1 | INLINE MIXED FLOW | PENN BARRY | MXI 222 DD-SC | 10,000 | 2.0" | 1,382 | 7.5 HP | DIRECT W/ VFD | THRU BAS | 25.7 | 480/3 | 110 |

NOTES:

- ANY CHANGES TO THE ELECTRICAL POWER REQUIREMENTS DUE TO EQUIPMENT SUBSTITUTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE PROVIDED WITH NO ADDITIONAL COST TO THE OWNER. ACCEPTABLE MANUFACTURERS ARE GREENHECK, COOK, PENN BARRY, OR APPROVED EQUAL.
- ALL SELECTIONS BASED ON JOBSITE ELEVATION.
- PROVIDE ALL FANS WITH THE FOLLOWING ACCESSORIES:
 - WALL-MOUNTED VFD
 - BACKDRAFT DAMPER
 - SPRING SOLATOR MOUNTS

| EXHAUST FAN SCHEDULE | | | | | | | | | | | | |
|----------------------|--------------|-----------------|-----------------|-------|------|-------|------------|------------------|----------|-------|-----------------|--------------|
| MARK | TYPE | BASIS OF DESIGN | | CFM | ESP | RPM | MOTOR SIZE | MOTOR DRIVE TYPE | CONTROL | SONES | Electrical Data | WEIGHT (LBS) |
| | | MANUFACTURER | MODEL | | | | | | | | VOLTS/PH | |
| EF-1 | ROOF UPBLAST | PENN BARRY | PRU 165-050 DGP | 2,150 | 1.5" | 1,842 | 1 HP | DIRECT W/ VFD | THRU BAS | 15.4 | 480/3 | 200 |
| EF-2 | ROOF UPBLAST | PENN BARRY | PRU 165-050 DGP | 2,050 | 1.5" | 1,802 | 1 HP | DIRECT W/ VFD | THRU BAS | 14.8 | 480/3 | 200 |

NOTES:

- ANY CHANGES TO THE ELECTRICAL POWER REQUIREMENTS DUE TO EQUIPMENT SUBSTITUTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE PROVIDED WITH NO ADDITIONAL COST TO THE OWNER. ACCEPTABLE MANUFACTURERS ARE GREENHECK, COOK, PENN BARRY, OR APPROVED EQUAL.
- ALL SELECTIONS BASED ON JOBSITE ELEVATION.
- PROVIDE ALL FANS WITH THE FOLLOWING ACCESSORIES:
 - DISCONNECT SWITCH
 - INTEGRAL FAN-MOUNTED VFD. TEST AND BALANCE CONTRACTOR SHALL ADJUST FAN PERFORMANCE THROUGH THE VFD.
 - BACKDRAFT DAMPER
 - 14" TALL ROOF CURB (VERIFY COMPATIBILITY WITH ROOF SLOPE AND TYPE)

| AIR DISTRIBUTION SCHEDULE | | | | | | | | | | | | | |
|---------------------------|---------|-----------------|----------|-----------|----------|----------------|--------|-----------|--------|--------|--------|------------|--------------------------|
| MARK | TYPE | BASIS OF DESIGN | | FACE SIZE | LOCATION | FRAME (NOTE C) | FINISH | MATERIAL | MAX NC | MAX PD | DAMPER | PATTERN | DESCRIPTION |
| | | MANUFACTURER | MODEL | | | | | | | | | | |
| S-1 | SUPPLY | TITUS | OMNI | 24x24 | CEILING | TB | WHITE | STEEL | 20 | 0.06" | NONE | 4-WAY | SQUARE PLAQUE DIFFUSER |
| S-2 | SUPPLY | TITUS | OMNI | 24x24 | CEILING | PF | WHITE | STEEL | 20 | 0.06" | NONE | 4-WAY | SQUARE PLAQUE DIFFUSER |
| S-3 | SUPPLY | TITUS | OMNI | 12x12 | CEILING | TB | WHITE | STEEL | 20 | 0.06" | NONE | 4-WAY | SQUARE PLAQUE DIFFUSER |
| S-4 | SUPPLY | TITUS | OMNI | 12x12 | CEILING | PF | WHITE | STEEL | 20 | 0.06" | NONE | 4-WAY | SQUARE PLAQUE DIFFUSER |
| S-5 | SUPPLY | TITUS | TDC | 24x24 | CEILING | TB | WHITE | STEEL | 25 | 0.08" | NONE | 4-WAY | SQUARE LOUVERED DIFFUSER |
| S-6 | SUPPLY | TITUS | 300RS | ON PLANS | SIDEWALL | SM | WHITE | STEEL | 25 | 0.06" | NONE | --- | DOUBLE DEFLECTION GRILLE |
| R-1 | RETURN | TITUS | PAR | 24x24 | CEILING | TB | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE |
| R-2 | RETURN | TITUS | 350RL | ON PLANS | SIDEWALL | SM | WHITE | STEEL | 20 | 0.06" | NONE | --- | LOUVERED BLADE GRILLE |
| E-1 | EXHAUST | TITUS | PAR | 24x24 | CEILING | TB | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE |
| E-2 | EXHAUST | TITUS | PAR | 24x24 | CEILING | PF | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE |
| E-3 | EXHAUST | TITUS | PAR | 12x12 | CEILING | TB | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE |
| E-4 | EXHAUST | TITUS | PAR | 12x12 | CEILING | PF | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE |
| E-5 | EXHAUST | TITUS | 350RS-SS | ON PLANS | SIDEWALL | SM | WHITE | STAINLESS | 25 | 0.06" | NONE | --- | LOUVERED BLADE GRILLE |

NOTES:

- BORDER TYPES AND MOUNTING REQUIREMENTS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PROVIDE TRANSITIONS (INCLUDING SQUARE TO ROUND) WHERE REQUIRED TO TRANSITION FROM DUCT SIZE SHOWN TO AIR DEVICE NECK SIZE.
- MOUNTING AND FRAMING NOTES:
 - TB = LAY-IN DEVICE FOR INSTALLATION IN LAY-IN CEILINGS
 - PF = LAY-IN DEVICE WITH MOUNTING FRAME FOR HARD CEILINGS EQUAL TO TITUS RAPID MOUNT FRAME
 - DM = AIR DEVICE MOUNTED DIRECTLY TO DUCT OR DUCT TAP AS SHOWN ON DRAWING
 - SM = SURFACE MOUNT FOR MOUNTING DIRECTLY TO CEILING OR SIDEWALL

| CONDENSATE RETURN PUMP SCHEDULE - ELECTRIC | | | | | | | | | |
|--|-----------------|---------|----------|----------------|---------------------------|--------|---------------------|------------|-----------------|
| MARK | BASIS OF DESIGN | | LOCATION | CAPACITY (GPM) | DISCHARGE PRESSURE (PSIG) | RPM | RECEIVER SIZE (GAL) | MOTOR SIZE | ELECTRICAL DATA |
| | MANUFACTURER | MODEL | | | | | | | |
| CRP-1 | SKIDMORE | 10MX-20 | BASEMENT | 20.0 | | 20 PSI | 3,450 | 21 GALLON | 1/3 HP 480/3 |

NOTES:

- CONFIGURATION SHALL DUPLEX PUMP ARRANGEMENT.
- PROVIDE WITH FLOOR-MOUNTED CAST IRON RECEIVER.
- PROVIDE WITH CONTROL PANEL, THERMOMETER, FLOAT SWITCHES, MECHANICAL ALTERNATOR, INLET STRAINER, GAUGE GLASS, TWO DISCHARGE CHECK VALVES, AND DISCHARGE GATE VALVE.

| EQUIPMENT ROOM INDOOR UNIT SCHEDULE | | | | | | | | | | |
|-------------------------------------|------|------|--------|------------|--------------|----------|-----------------|----------|-------------------|----------------------|
| MARK | CFM | ESP | MOTOR | CONFIG. | COOLING DATA | | HUMIDIFIER DATA | | ELECTRICAL DATA | EXAMPLE |
| | | | | | TOTAL | SENSIBLE | LOAD | TYPE | | |
| AHU-1 | 1600 | 0.5" | 3/4 HP | HORIZONTAL | 48.0 MBH | 48.0 MBH | 15 LBS/HR | CANISTER | 480 V, 3 Ø, 60 HZ | ABOVE AIR RH04-0145S |

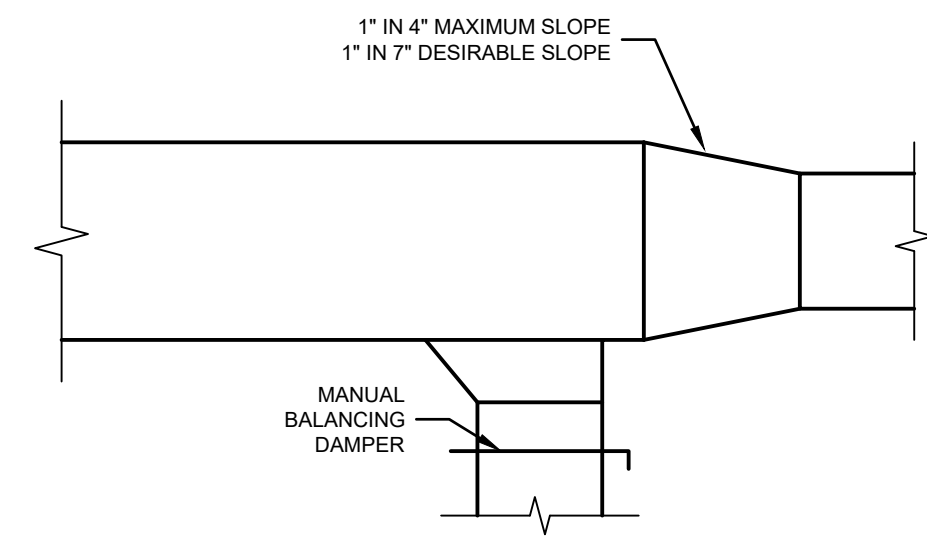
NOTES:

- ALL SELECTIONS BASED ON JOBSITE ELEVATION.
- SUPPORT UNIT FROM STRUCTURE ABOVE WITH ALL THREAD HANGING RODS AND NEOPRENE ISOLATORS.
- PROVIDE WITH FILTER RACK AND 2" MERV-8 FILTER.
- PROVIDE WITH STEAM GENERATING HUMIDIFIER (CANISTER TYPE).
- PROVIDE WITH PROGRAMMABLE WALL MOUNTED CONTROL PANEL.
- PROVIDE WITH REFRIGERANT DETECTION AND MITIGATION SYSTEM.

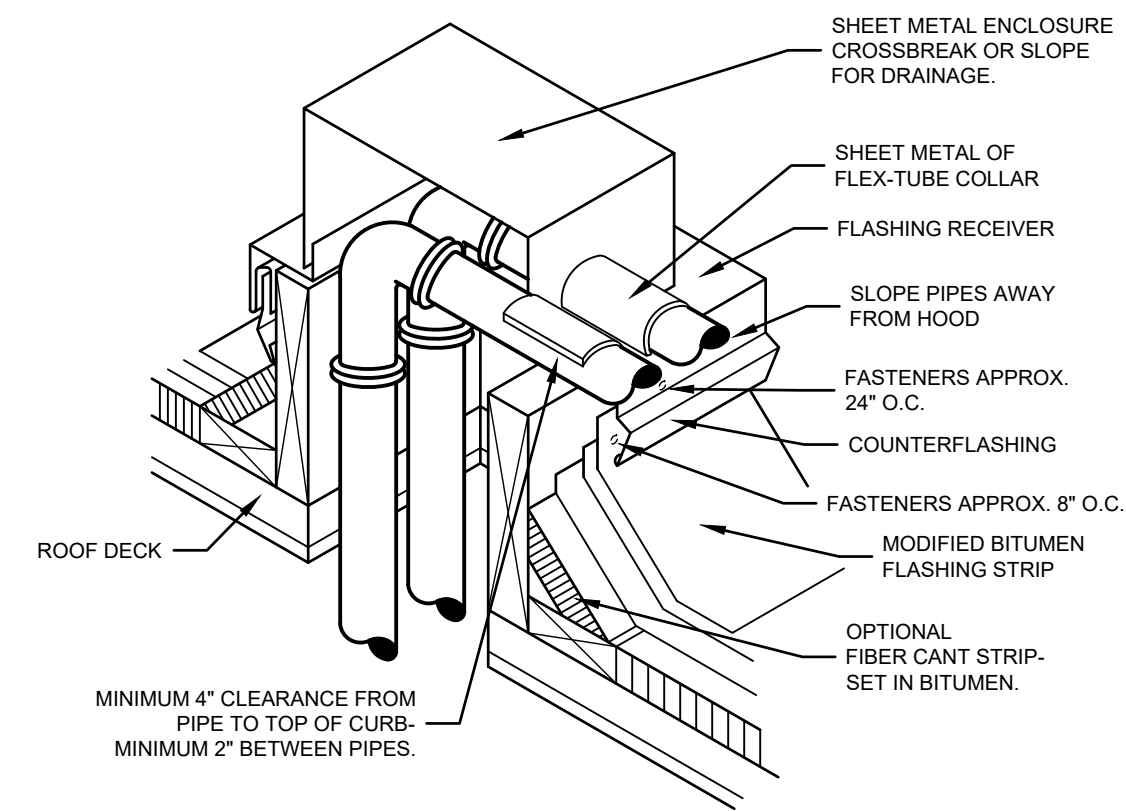
| EQUIPMENT ROOM CONDENSING UNIT SCHEDULE | | | | | | |
|---|--------|----------|-----------------|-------------|------------------------|---------|
| MARK | SERVES | CAPACITY | ELECTRICAL DATA | REFRIGERANT | REFRIGERANT LINE SIZES | EXAMPLE |
| | | | | | | |

NOTES:

- ALL SELECTIONS BASED ON JOBSITE ELEVATION.
- VERIFY ALL REFRIGERANT PIPING SIZE REQUIREMENTS WITH EQUIPMENT MANUFACTURE.
- PROVIDE WITH LOW AMBIENT CONTROL.

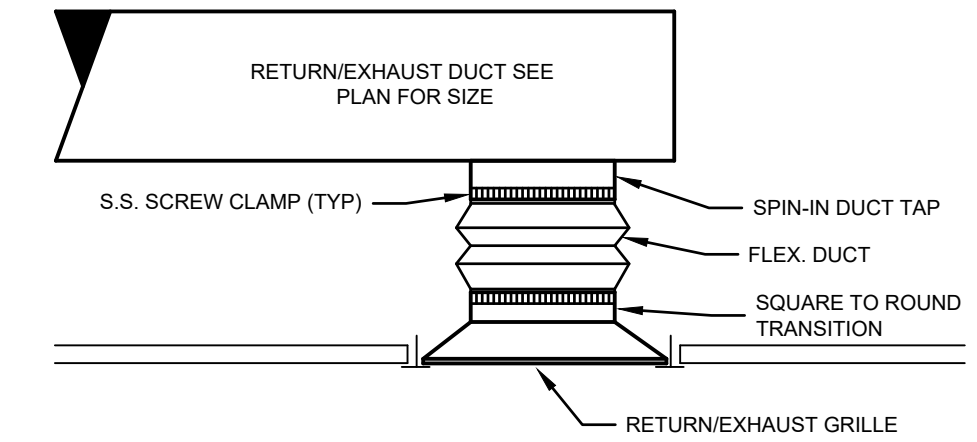


ANGLE TAP DETAIL
NO SCALE



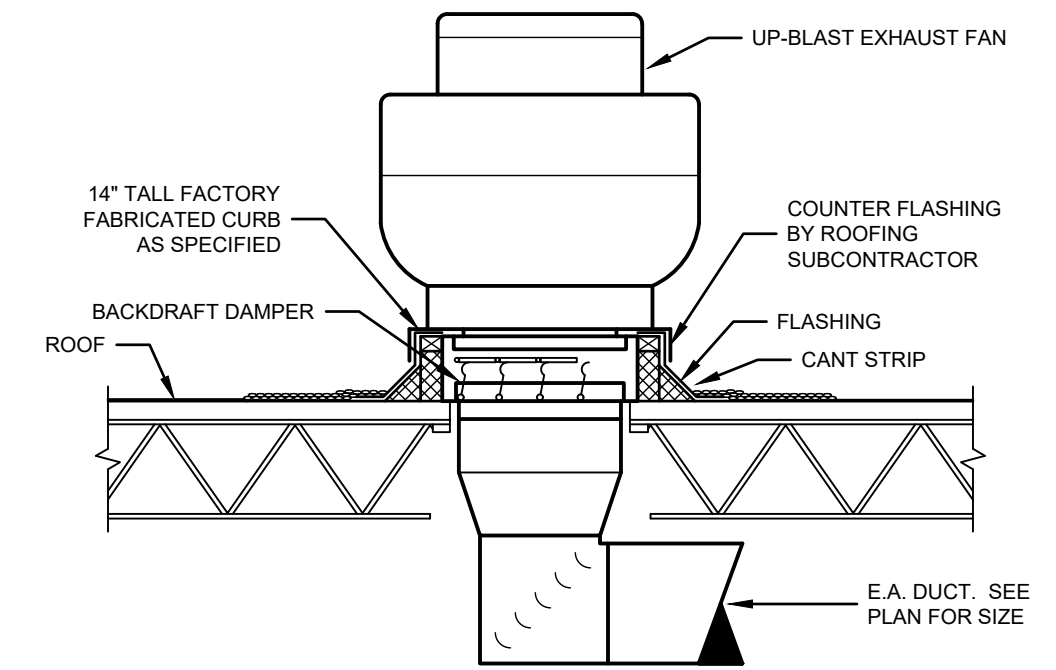
REFRIGERANT PIPING THROUGH ROOF DETAIL
NO SCALE

NOTE: THIS HOOD DETAIL DEPICTS JOB-SITE FABRICATED CONSTRUCTION. MANY MANUFACTURERS OFFER PREFABRICATED BOOTS AND OTHER MATERIALS FOR THIS PURPOSE. ONE TYPICAL CONFIGURATION IS SHOWN IN THE INSET. SPECIFICS ON THESE PROPRIETARY DESIGNS VARY GREATLY, AND INDIVIDUAL MANUFACTURERS SPECIFICATIONS SHOULD BE CONSULTED FOR THEIR USE.

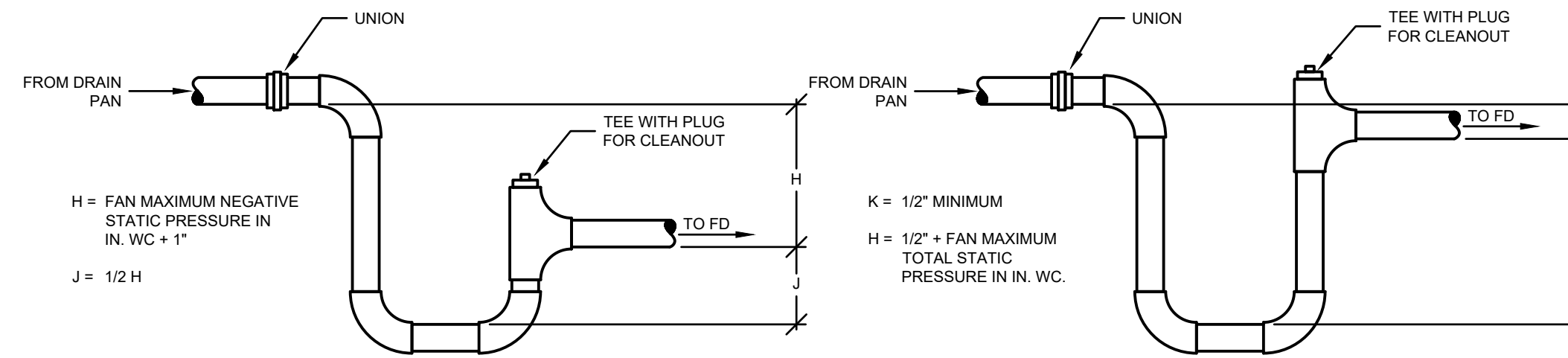


TYPICAL RETURN/EXHAUST GRILLE CONNECTION DETAIL
NO SCALE

NOTE: CONNECTIONS OF FLEX DUCT INNER CORE SHALL BE MADE WITH S.S. WORM DRIVE CLAMPS. OUTER INSULATION SHALL BE FITTED OVER CORE CONNECTION AND SECURED WITH S.S. CLAMP.



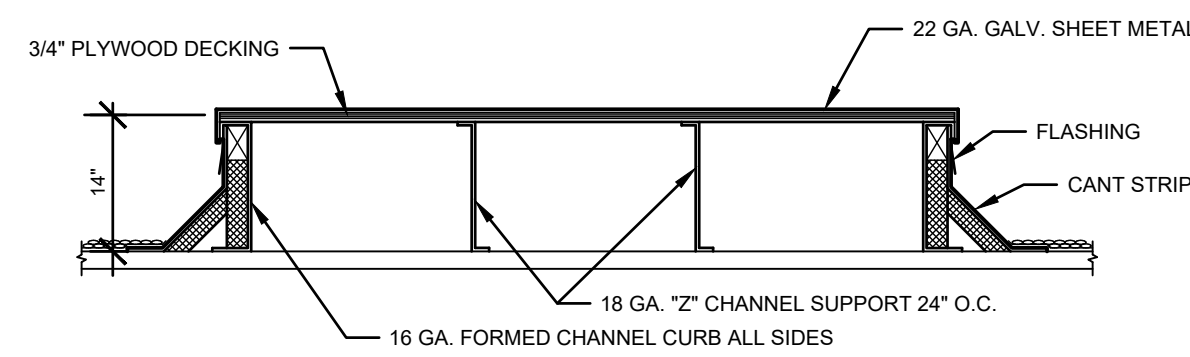
EXHAUST FAN MOUNTING DETAIL
NO SCALE



NEGATIVE PRESSURE P-TRAP

POSITIVE PRESSURE P-TRAP

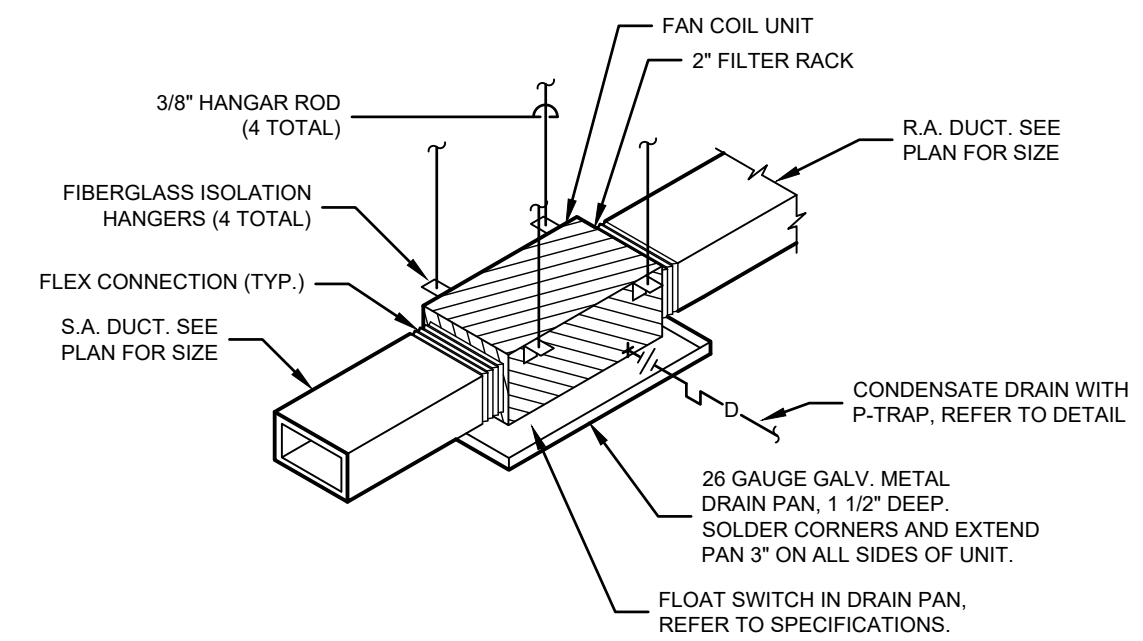
| DRAIN SIZE | HVAC EQUIP. TOTAL CFM |
|------------|-----------------------|
| 3/4" | 0 - 800 |
| 1" | 801 - 2,000 |
| 1-1/4" | 2,001 - 12,000 |
| 1-1/2" | 12,001 - 20,000 |
| 2" | 20,001 - 68,000 |



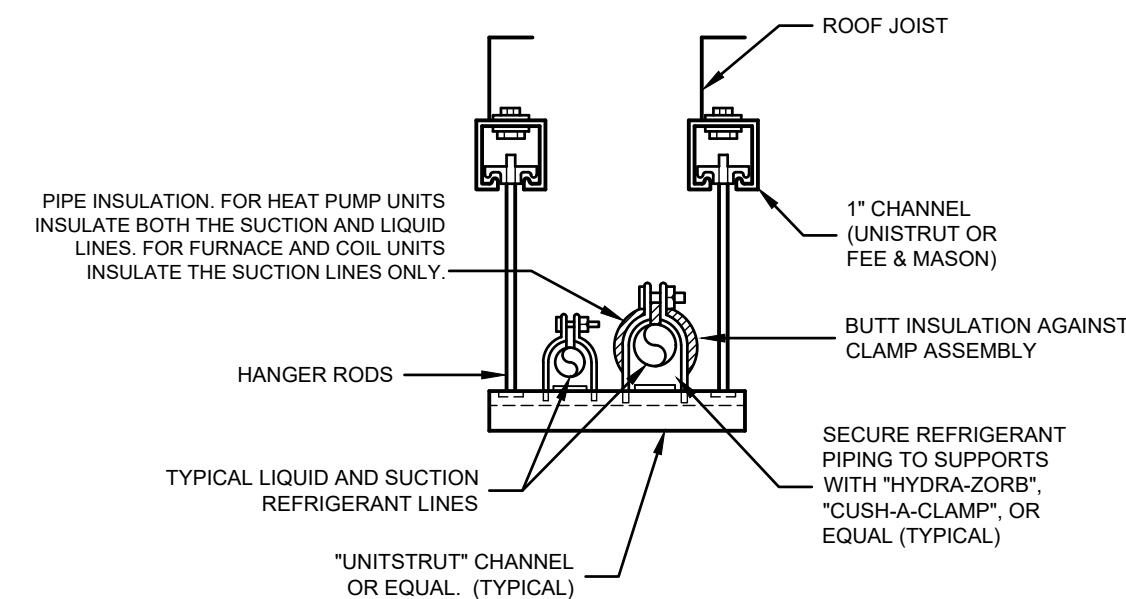
CONDENSING UNIT MOUNTING PLATFORM
NO SCALE

CONDENSATE DRAIN DETAIL
NO SCALE

NOTE: CONDENSATE DRAIN SHALL NOT BE SMALLER THAN UNIT CONNECTION.



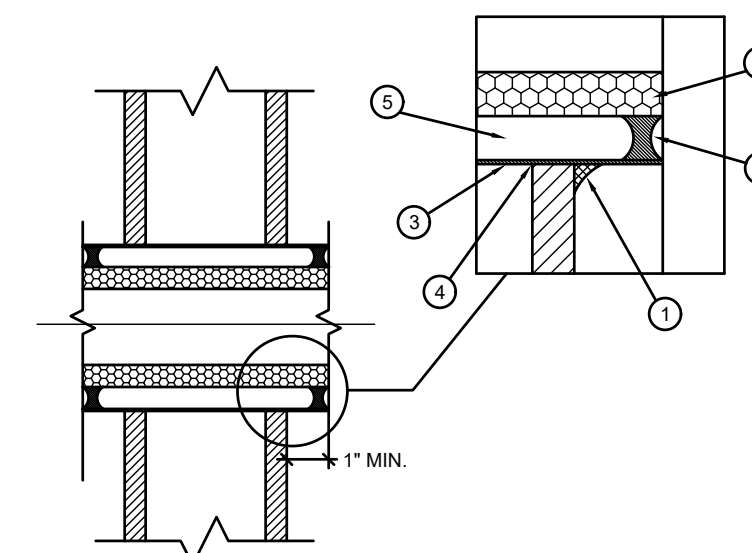
FAN COIL UNIT DETAIL
NO SCALE



| PIPE HANGER SPACING | PIPE SIZE (in) | SPACING (ft) |
|---------------------|--------------------|--------------|
| 1/4" | 3/8" - 1/2" - 5/8" | 5 |
| 3/4" | 7/8" | 6 |
| 1" | 1 - 1 1/8" | 7 |
| 1-3/8" | 1-5/8" - 2 - 1/8" | 8 |

NOTE: PROVIDE ADDITIONAL PIPE HANGERS AT ALL PIPE ELBOWS LOCATED WITHIN 12" OF ELBOW.

SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
NO SCALE



PIPE SLEEVE THRU WALL DETAIL
NO SCALE

PIPE SLEEVE THRU WALL DETAIL GENERAL NOTES

- CAULK CONTINUOUS WITH 3M # 2000 FIRE PROOF 1/2" BEAD (MADE BY 3M COMPANY.)
- CONTINUOUS INSULATION THROUGH WALL PENETRATION FOR PIPING THAT REQUIRES INSULATION.
- 16 GA. PIPE MINIMUM FOR SLEEVES.
- HOLES WILL BE CORED (DRY OR WET NO HAMMER DRILL PENETRATION. PENETRATIONS WILL FIT SNIUG TO SLEEVE.
- MAX. 1/4" ANNUAL SPACE BETWEEN INSULATION AND PIPE FOR NON INSULATED LINES FOR EXAMPLE (AIR, GAS, VAC, ELEC.)

- COMMENTS:
- PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. SLOPE ALL WATER PIPING SLIGHTLY TOWARD DRAINABLE LOCATIONS. HANGER SPACING FOR PIPE SIZE: COPPER: 2"-9" 1/2"=8" 1/2"=7" 1"-6" 3/4"=5". CAST IRON: 10" AND ONE NEAR ALL JOINTS. STEEL: 3"-12" 2 1/2"=11" 2"-10" 1 1/2"=9" 1"-7" 3/4"=6" 1/2"=5". LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACINGS AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. DO NOT SUSPEND PIPE FROM JOIST BRACING MEMBERS. REFER TO CODES AND SPECIFICATIONS FOR FURTHER INFORMATION.

PIPE HANGER DETAIL
NO SCALE

REVISIONS:

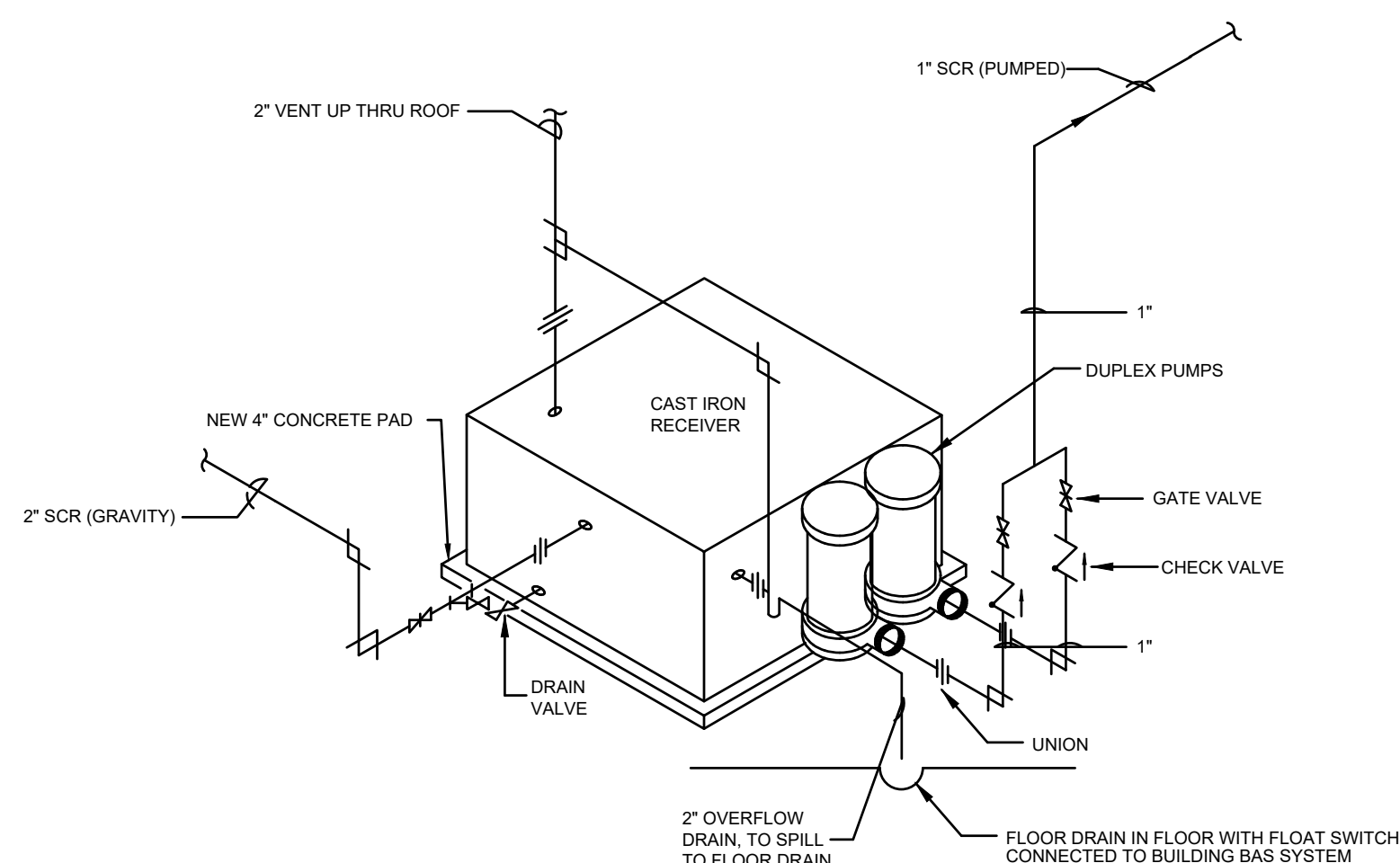
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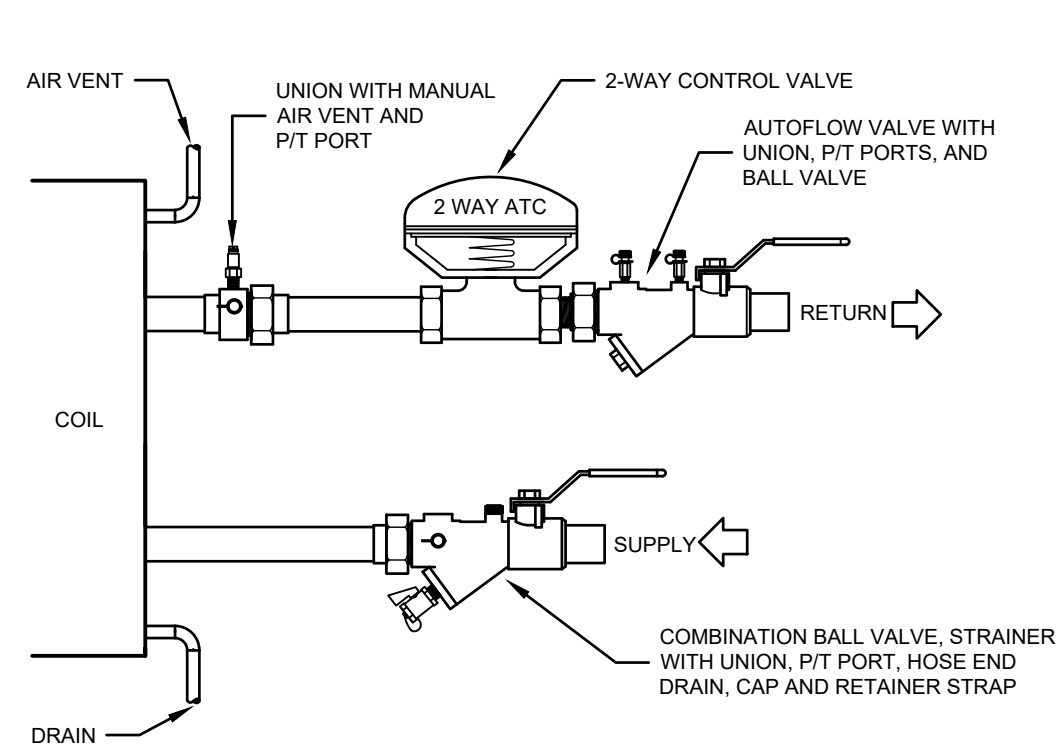
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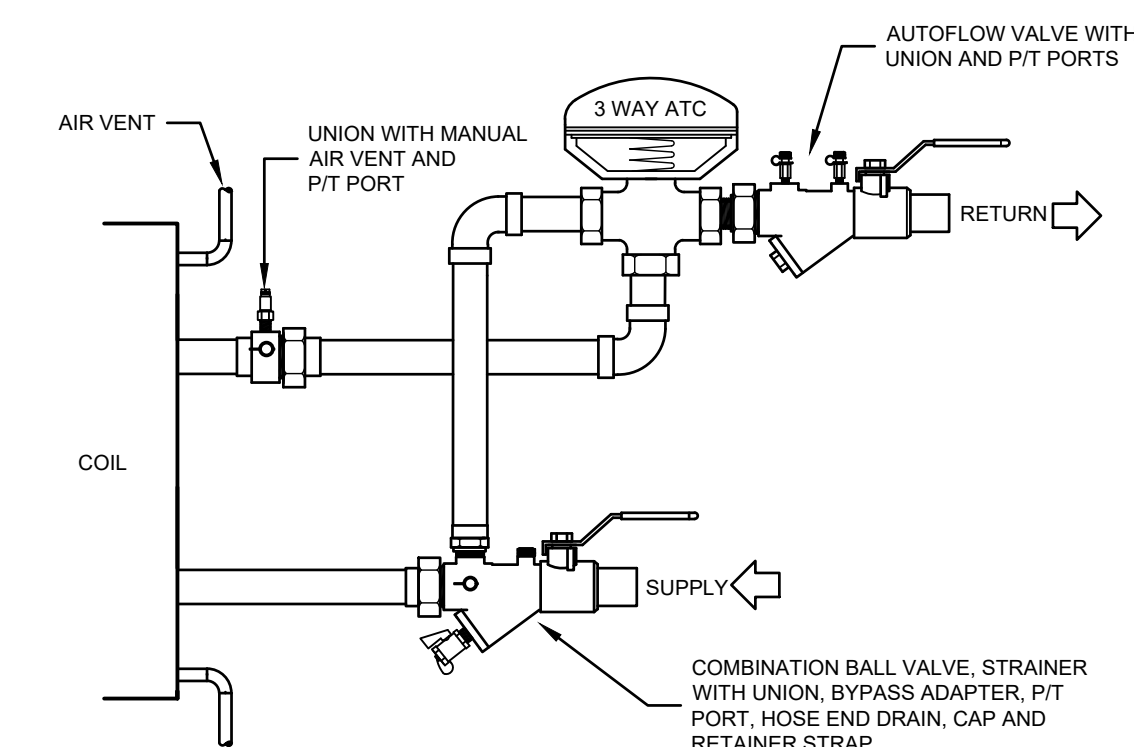
8 OF 9



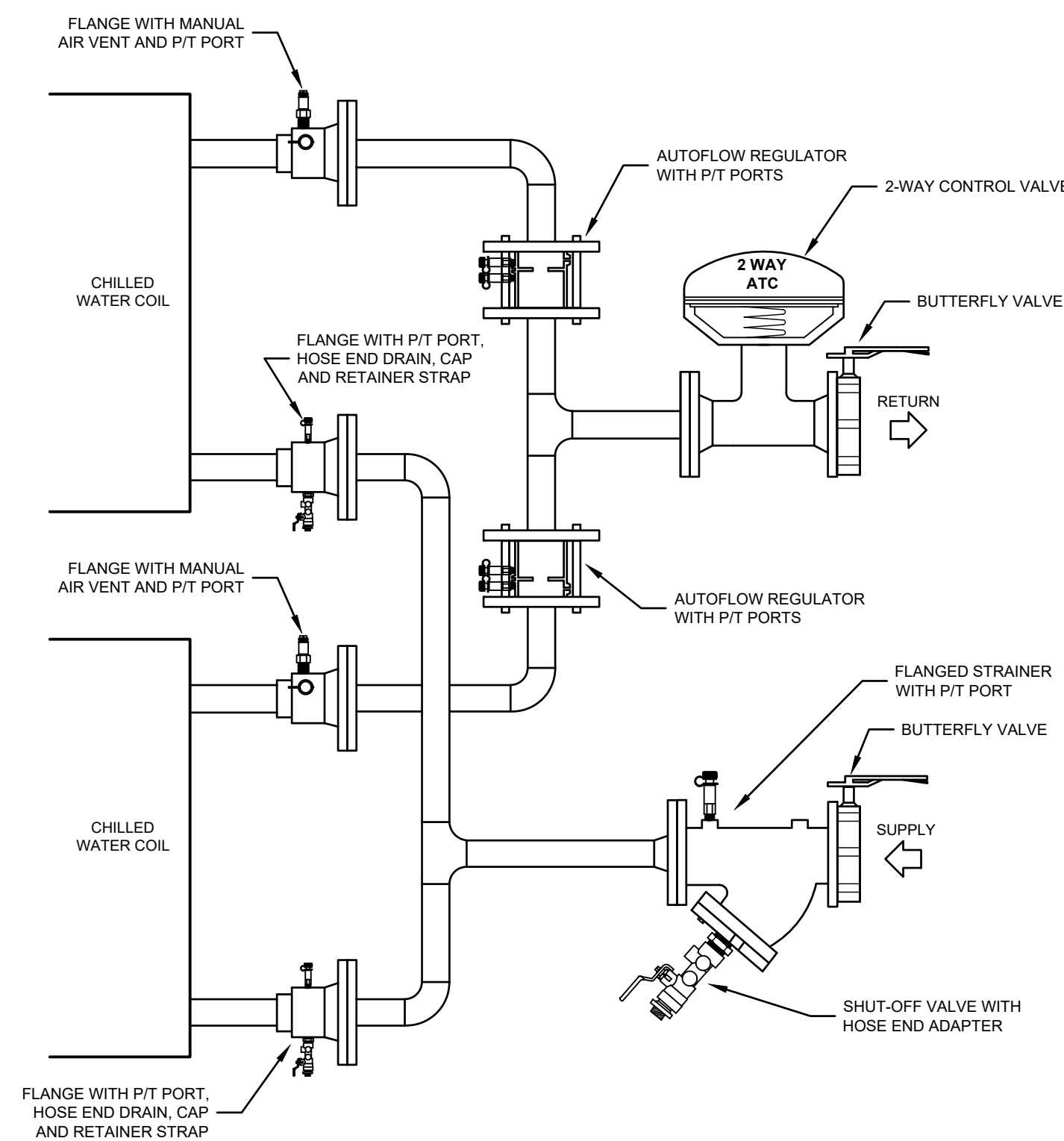
ELECTRIC CONDENSATE RETURN UNIT PIPING DIAGRAM
NO SCALE



HEATING COIL PIPING DIAGRAM (2-WAY CONTROL)
NO SCALE

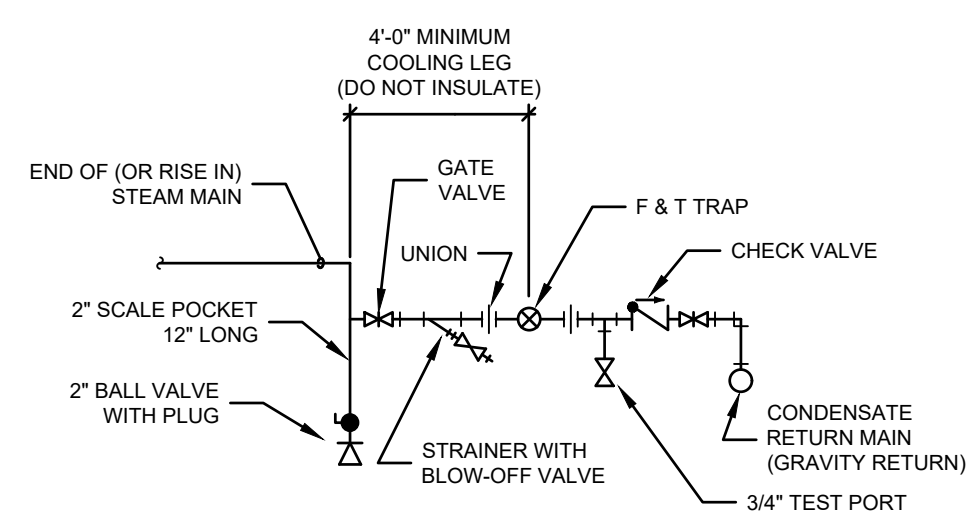


VAV HEATING COIL PIPING DIAGRAM (3-WAY CONTROL)
NO SCALE

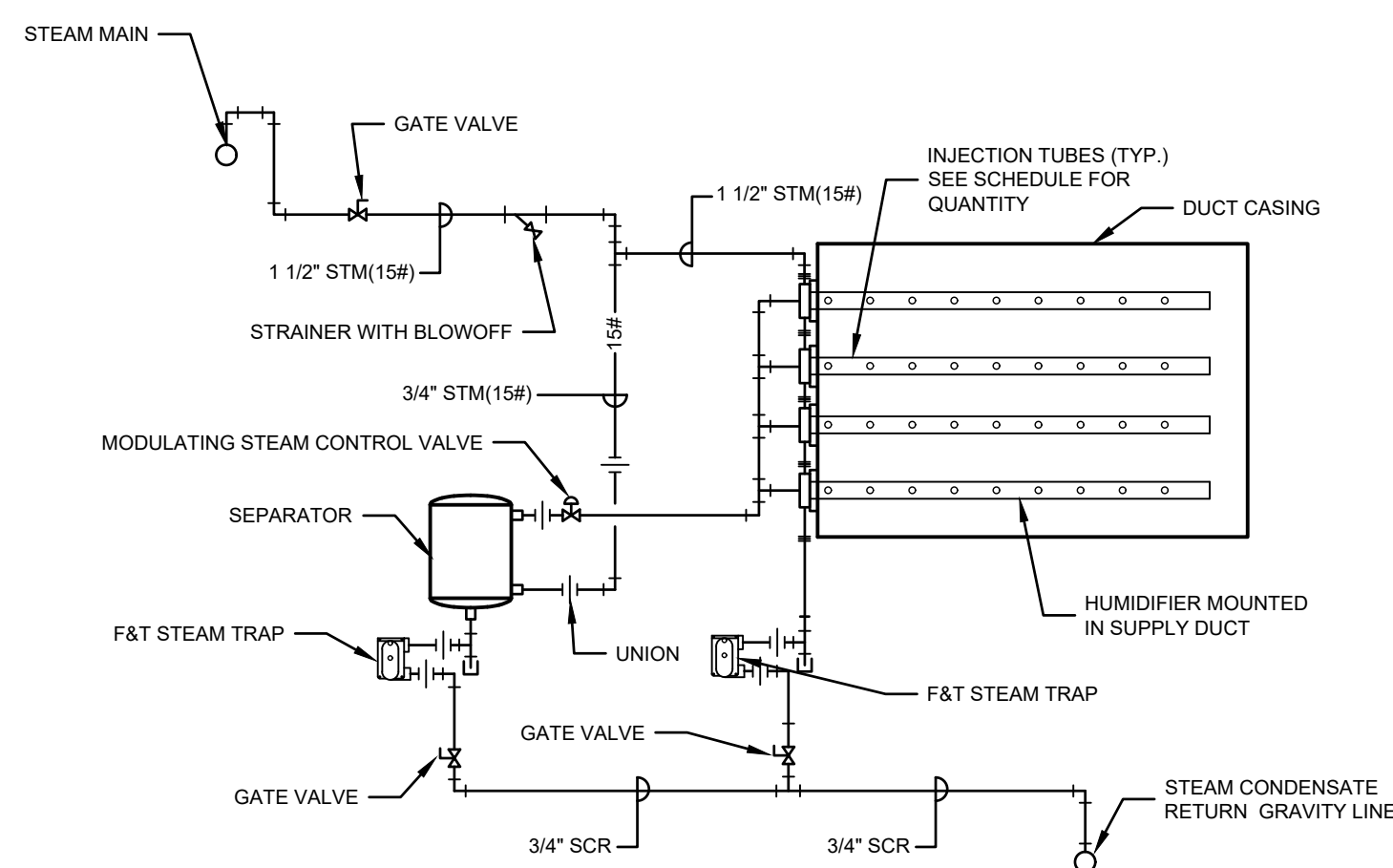


AIR HANDLING UNIT COOLING COIL PIPING DETAIL (2-WAY CONTROL)
NO SCALE

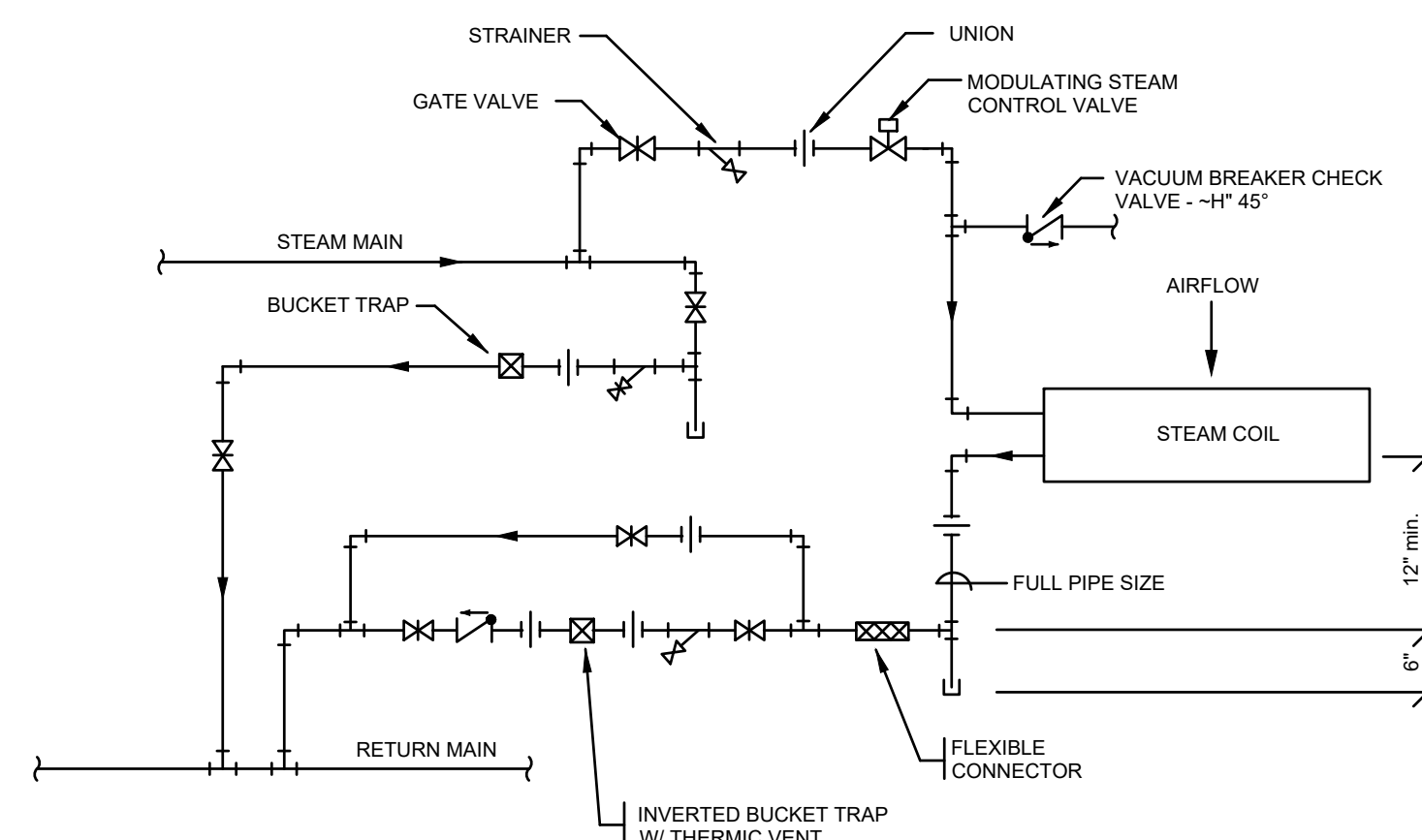
NOTE: PIPING INSTALLATION SHALL NOT BLOCK THE REQUIRED ACCESS TO THE AIR HANDLING UNIT'S COMPONENTS INCLUDING THE SPACE REQUIRED TO PULL THE COIL FOR CLEANING OR REPLACING.



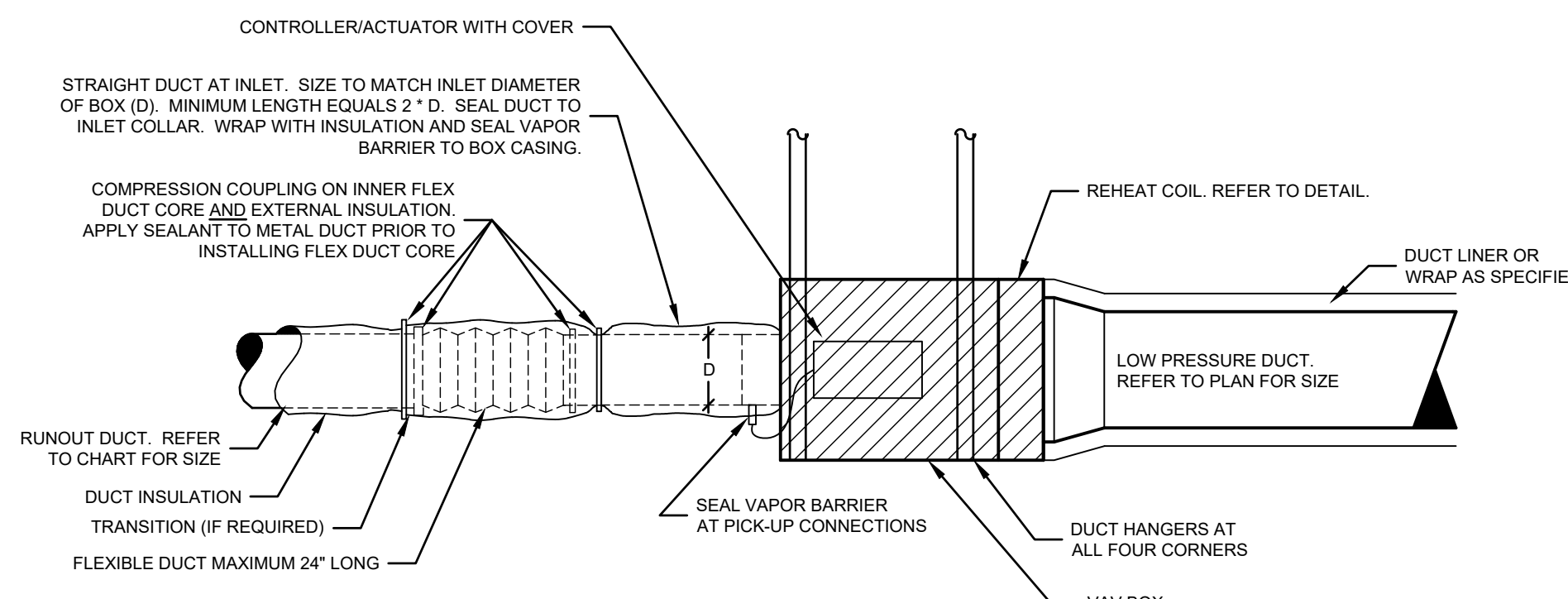
TYPICAL 15# DRIP TRAP (LOW PRESSURE) ASSEMBLY (EOM)
NO SCALE



STEAM HUMIDIFIER PIPING DIAGRAM
NO SCALE

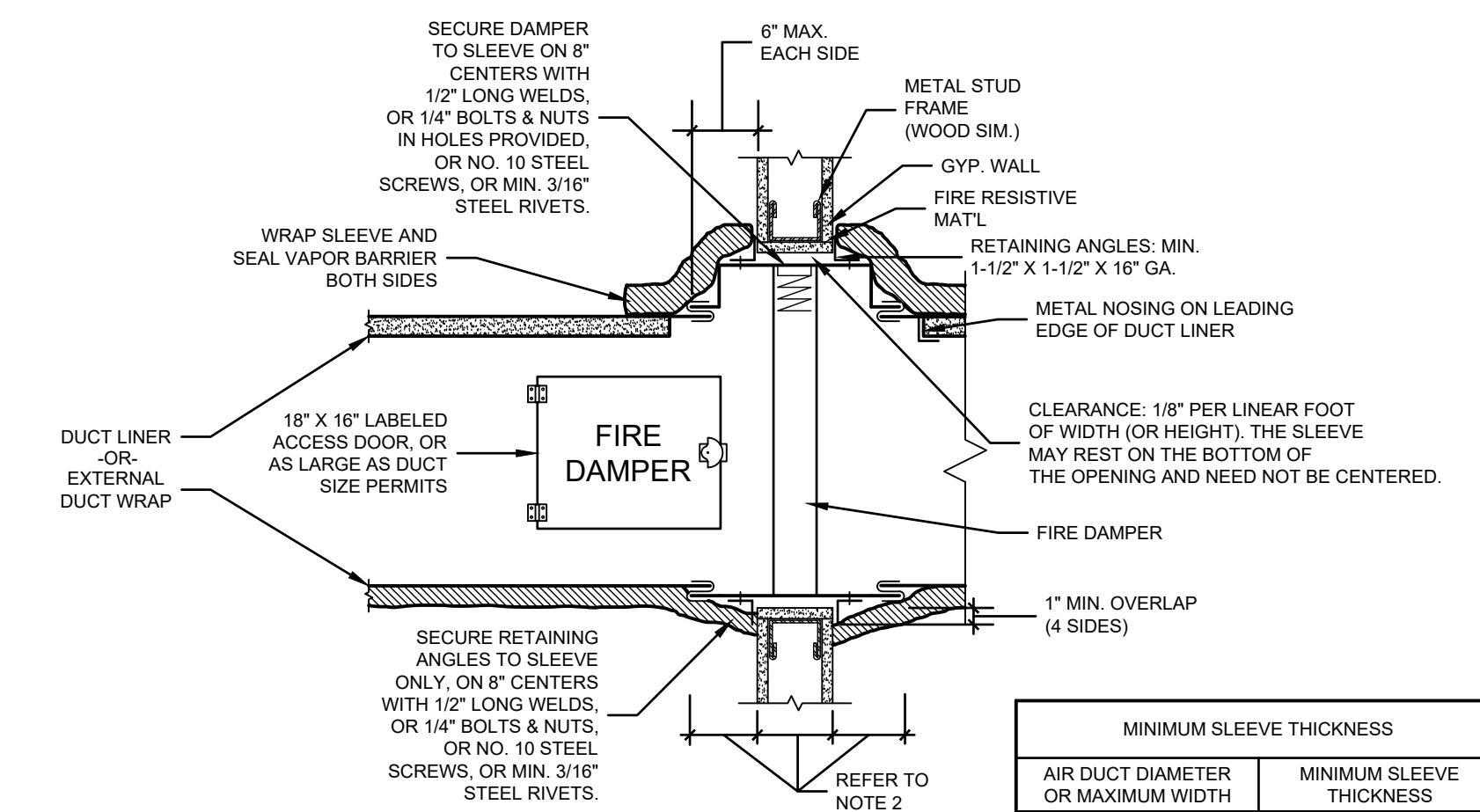


STEAM COIL PIPING DIAGRAM
NO SCALE



SINGLE DUCT VAV BOX WITH REHEAT COIL DETAIL
NO SCALE

NOTE: PROVIDE MINIMUM OF 18" SERVICE SPACE MEASURED FROM CONTROLLER COVER. SPACE SHALL BE MINIMUM OF 24" WIDE IN DIRECTION OF AIRFLOW.



VERTICAL FIRE DAMPER STYLE "B" INSTALLATION
NO SCALE

NOTES: 1. REFER TO SPECIFICATIONS FOR IDENTIFICATION OF DUCT TO BE LINED OR WRAPPED, IF LINED, PROVIDE WRAP ON BOTH SIDES OF SLEEVE AND SEAL VAPOR BARRIER AS SHOWN.
2. VERIFY WALL THICKNESS AND INCREASE SLEEVE LENGTH IF REQUIRED.
3. INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS TO MAINTAIN UL LISTING.

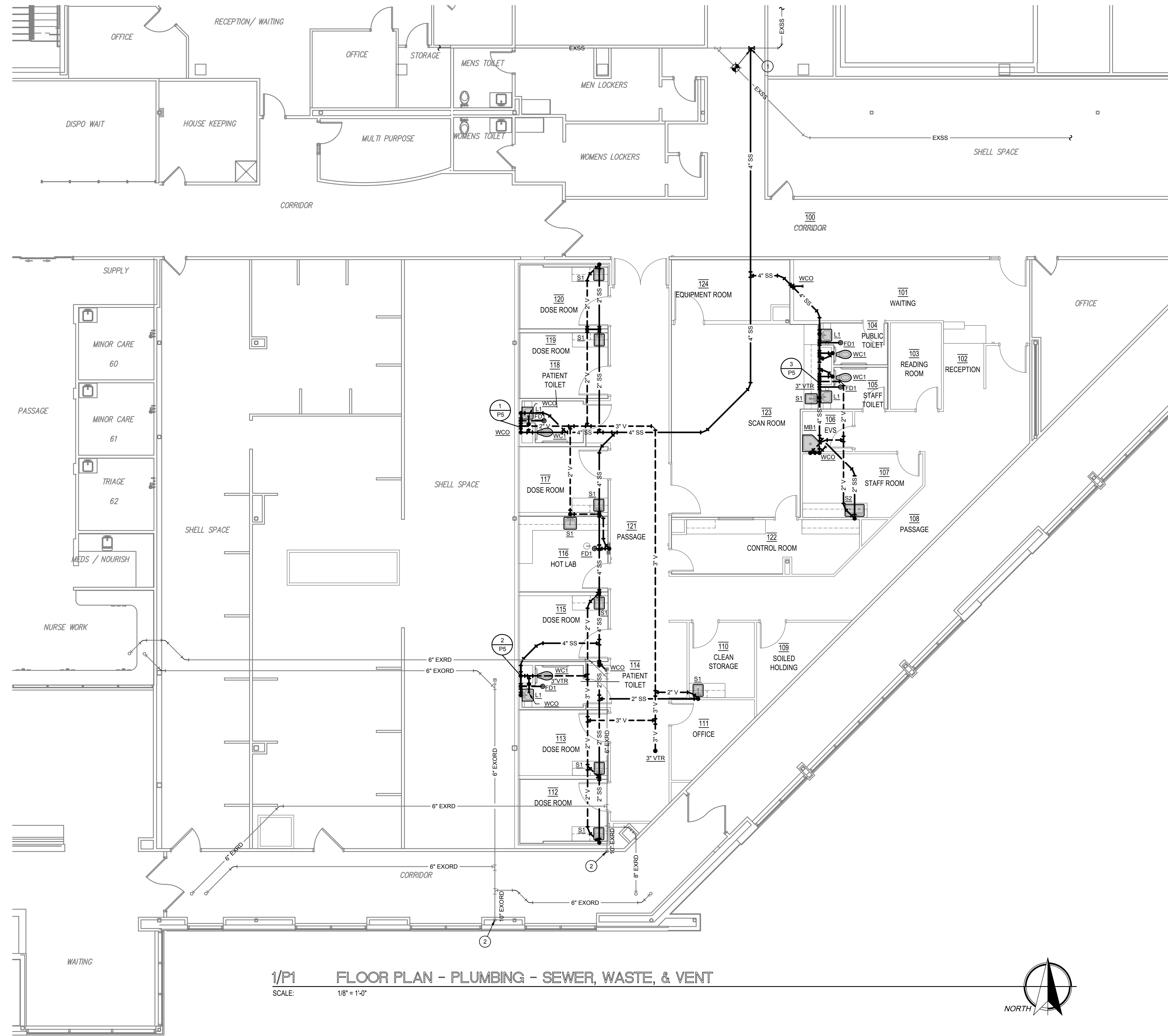
| MINIMUM SLEEVE THICKNESS | |
|------------------------------------|--------------------------|
| AIR DUCT DIAMETER OR MAXIMUM WIDTH | MINIMUM SLEEVE THICKNESS |
| 12 IN. OR LESS | 0.018 IN. (26 GA.) |
| 13 IN. - 30 IN. | 0.024 IN. (24 GA.) |
| 31 IN. - 54 IN. | 0.030 IN. (22 GA.) |
| 55 IN. - 84 IN. | 0.036 IN. (20 GA.) |
| 85 IN. OR MORE | 0.047 IN. (18 GA.) |

REVISIONS:

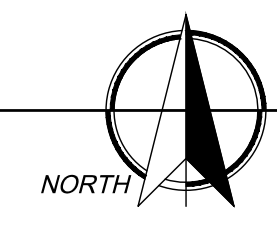
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PROJECT NO. 22418
DATE: 03/14/2025

SHEET NO. M8



1/P1 FLOOR PLAN - PLUMBING - SEWER, WASTE, & VENT
SCALE: 1/8" = 1'-0"



- GENERAL NOTES**
- A. REFER TO SHEET P0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- KEYED NOTES**
1. CONNECT NEW SEWER/WASTE LINE TO EXISTING SEWER LINE AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION OF EXISTING SEWER LINE AND ADJUST NEW PIPING ROUTING AS REQUIRED.
 2. EXISTING ROOF DRAINAGE, EXISTING TO REMAIN.

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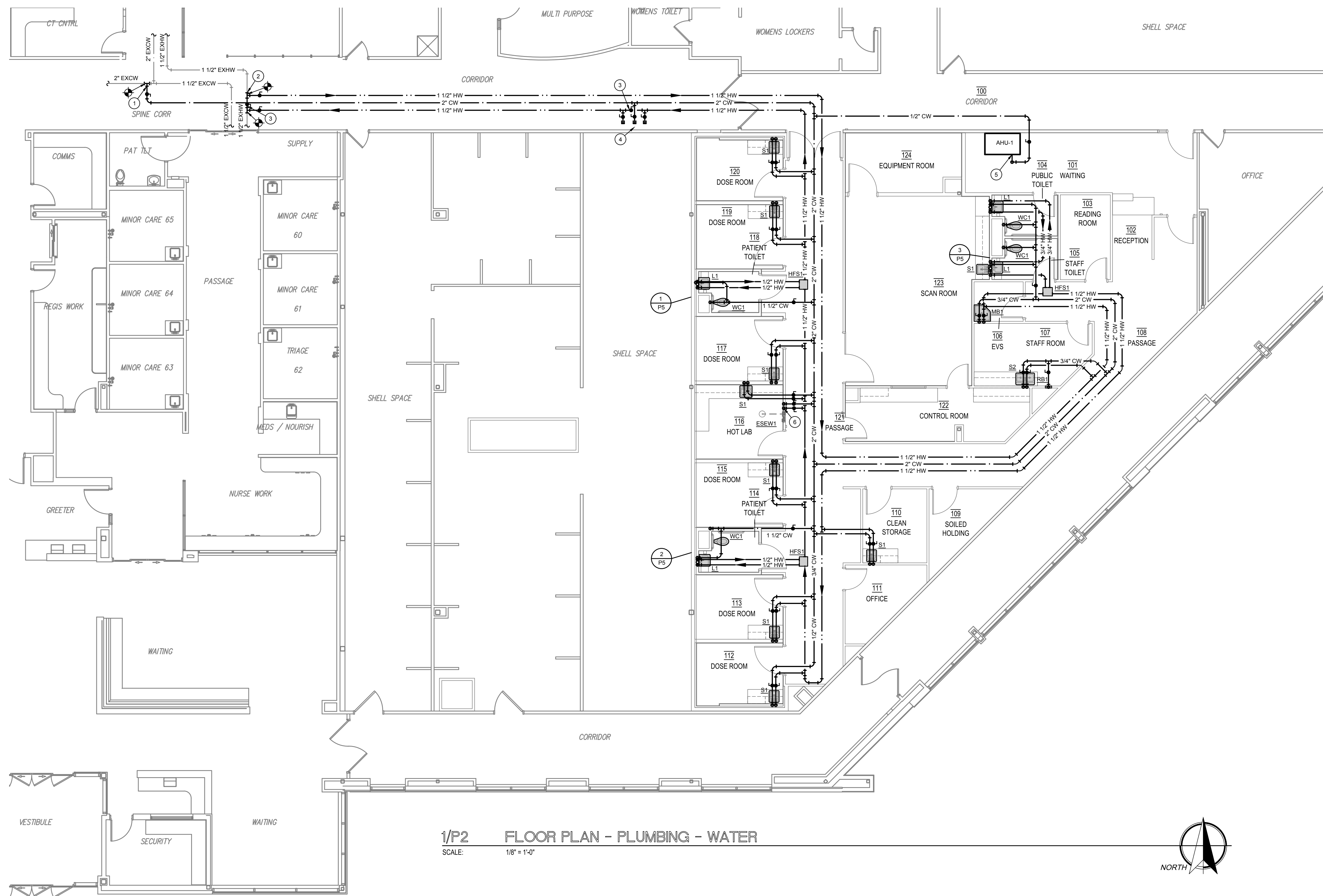
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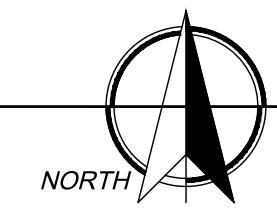
SHEET NO.
P1

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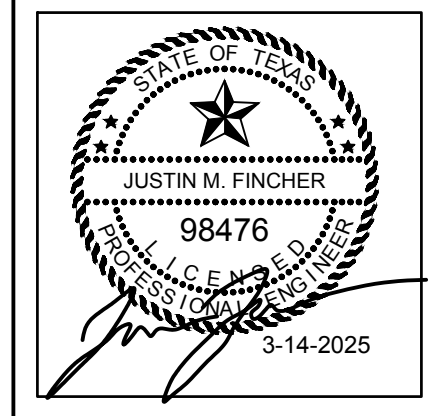


- GENERAL NOTES**
- A. REFER TO SHEET P0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- KEYED NOTES**
- CONNECT NEW 2" CW LINE TO EXISTING WATER MAIN IN CORRIDOR TO SERVE AREA OF WORK. PROVIDE NEW BALL VALVE THEN SERVE FLOOR AS SHOWN.
 - CONNECT NEW 1-1/2" HW LINE TO EXISTING HOT WATER WATER MAIN TO SERVE THIS SIDE OF THE FLOOR. PROVIDE NEW BALL VALVE THEN SERVE FLOOR AS SHOWN.
 - NORMALLY CLOSED MANUAL BYPASS VALVE. PROVIDE SIGNAGE TO INDICATE THE CORRECT ON/OFF CONFIGURATION OF ISOLATION VALVES IN ORDER TO ISOLATE SUB-LOOP WHILE MAIN LOOP STAYS ACTIVE.
 - TEE OFF ACTIVE MAINS WITH 1-1/2" HW, 1-1/2" HW LINE, AND 2" CW LINE. VALVE AND CAP FOR FUTURE SHELL SPACE FINISHOUT.
 - 1/2" CW CONNECTION TO AHU-1. REFER TO MECHANICAL.
 - TURN 1" CW, AND 1" HW AND ROUTE THRU MIXING VALVE MOUNTED ON WALL CHASE CEILING THEN CONTINUE 1-1/4" TEMPERED WATER LINE TO SERVE EMERGENCY SHOWER/EYEWASH.

1/P2 FLOOR PLAN - PLUMBING - WATER
 SCALE: 1/8" = 1'-0"



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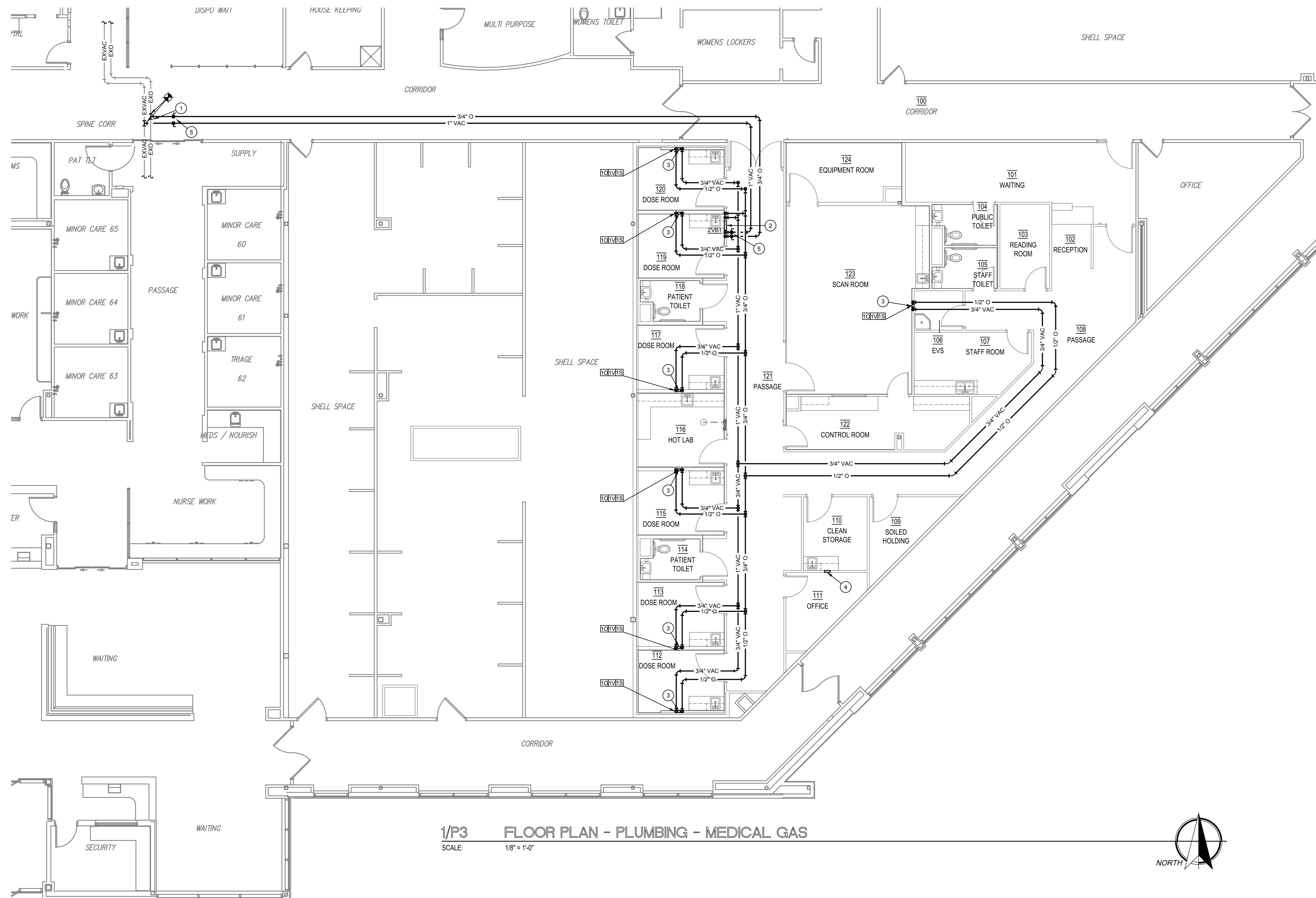
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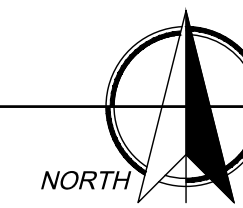
PROJECT NO. 22418
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SHEET NO.
P2

3 OF 7



1/P3 FLOOR PLAN - PLUMBING - MEDICAL GAS
SCALE: 1/8" = 1'-0"



- GENERAL NOTES**
- A. REFER TO SHEET P0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- KEYED NOTES**
- CONNECT NEW 3/4" OXYGEN AND 1" VACUUM LINES TO EXISTING MAINS AT LOCATION INDICATED. ROUTE 3/4" OXYGEN AND 1" VACUUM LINES IN CORRIDOR ABOVE CEILING TO AREA OF WORK.
 - NEW ZONE VALVE. REFER TO DETAIL.
 - INSTALL ALL MEDICAL GAS OUTLETS AT HEADWALL OF ROOM. REFER TO ARCHITECTURAL FOR ELEVATION AND EXACT PLACEMENT. REFER TO GENERAL NOTE L ABOVE FOR BACK-TO-BACK INSTALLATION PIPING REQUIREMENTS.
 - MEDICAL GAS ALARM
 - LOCKING SERVICE VALVES

| MEDICAL GAS OUTLET LEGEND | |
|---------------------------|--|
| SYMBOL | DESCRIPTION |
| #O | OXYGEN OUTLET (1/2" LINE SERVING OUTLET) (# = NUMBER OF OUTLETS) |
| #V | VACUUM OUTLET (3/4" LINE SERVING OUTLET) (# = NUMBER OF OUTLETS) |
| #S | SLIDE (# = NUMBER OF OUTLETS) |

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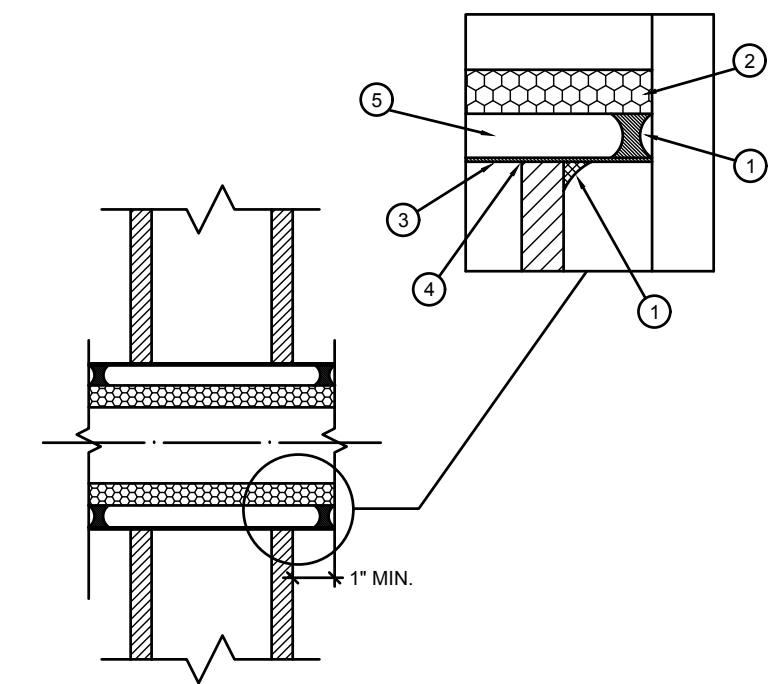
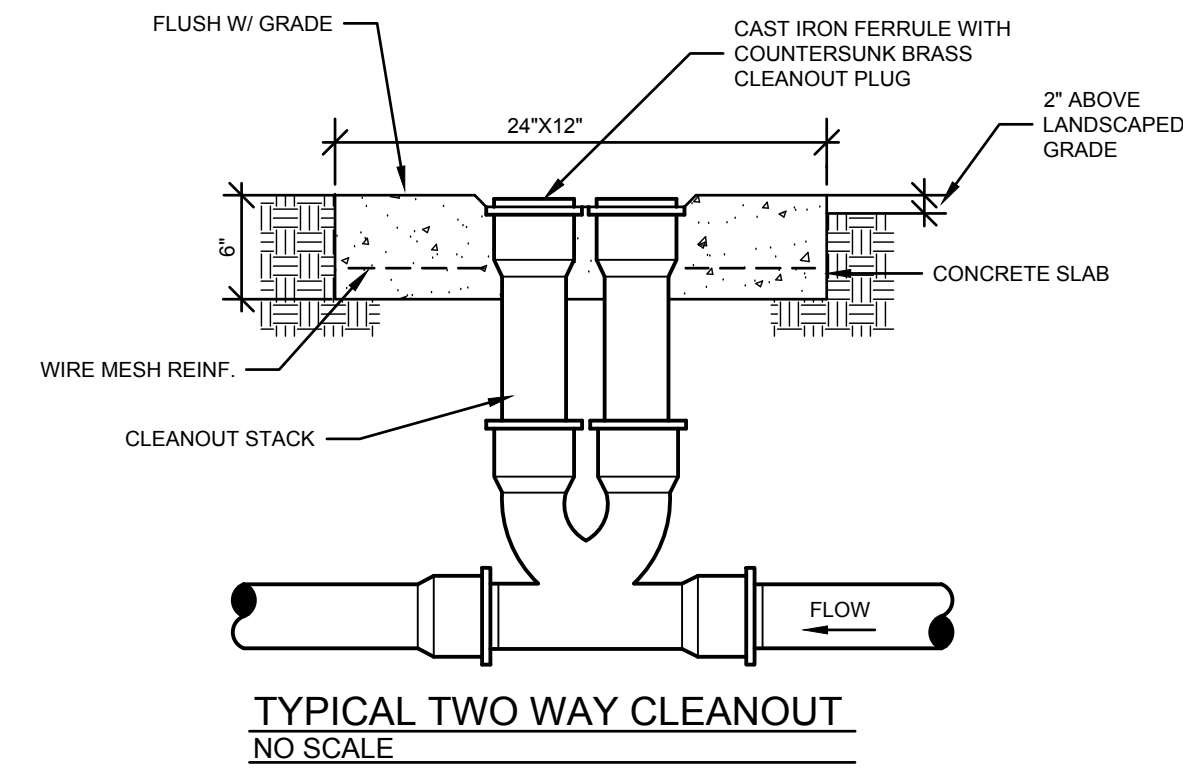
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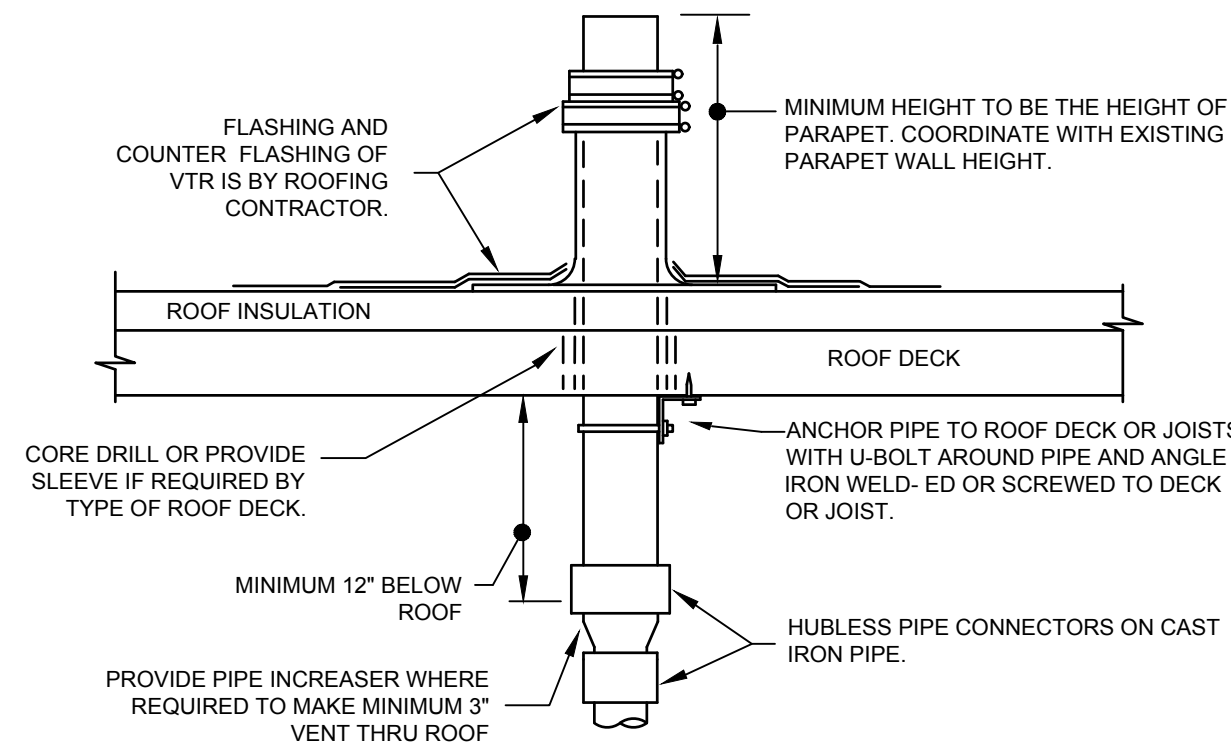
PROJECT NO. 22418
DATE: 03/14/2025

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P3
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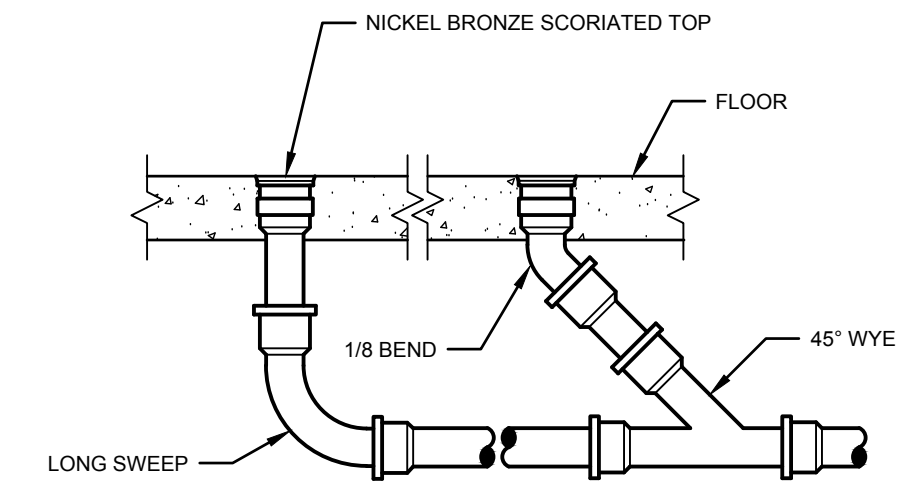
PIPE SLEEVE THRU WALL DETAIL
NO SCALE

- PIPE SLEEVE THRU WALL DETAIL GENERAL NOTES**
1. CAULK CONTINUOUS WITH 3M # 2000 FIRE PROOF 1/2" BEAD (MADE BY 3M COMPANY.)
 2. CONTINUOUS INSULATION THROUGH WALL PENETRATION FOR PIPING THAT REQUIRES INSULATION.
 3. 16 GA. PIPE MINIMUM FOR SLEEVES.
 4. HOLES WILL BE CORED (DRY OR WET NO HAMMER DRILL PENETRATION. PENETRATIONS WILL FIT SNUG TO SLEEVE.
 5. MAX. 1/4" ANNULAR SPACE BETWEEN INSULATION AND PIPE FOR NON INSULATED LINES FOR EXAMPLE (AIR, GAS, VAC, ELEC.)

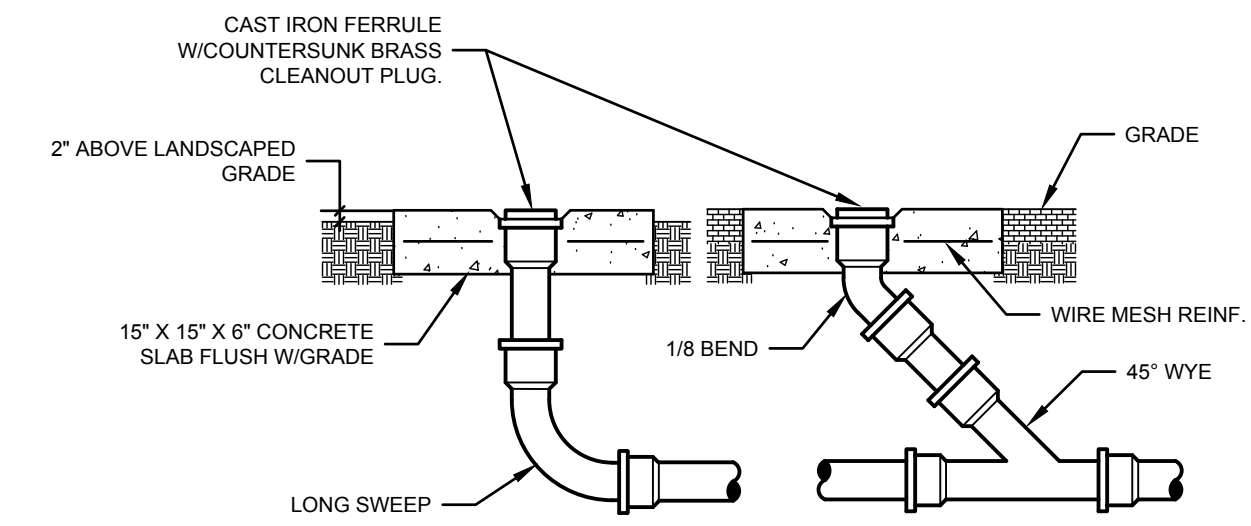


- COMMENTS:**
1. REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

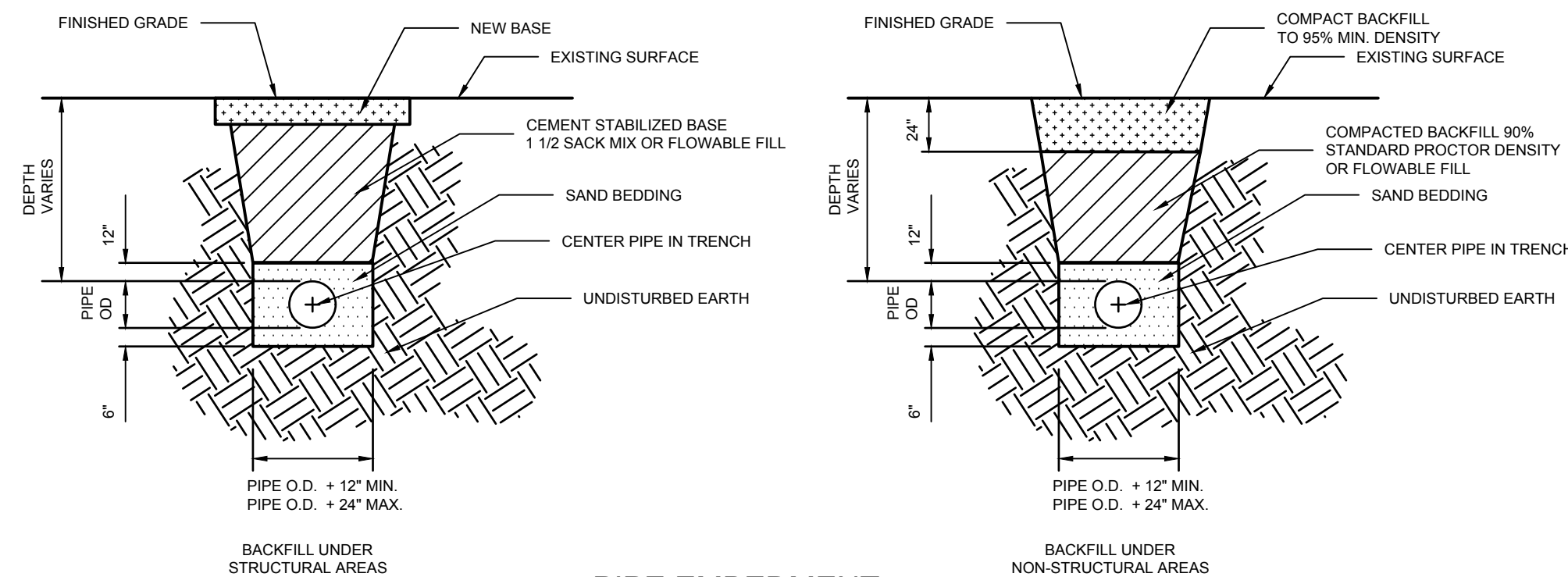
VENT THRU ROOF (VTR) DETAIL
NO SCALE



INTERIOR CLEANOUT DETAIL
NO SCALE

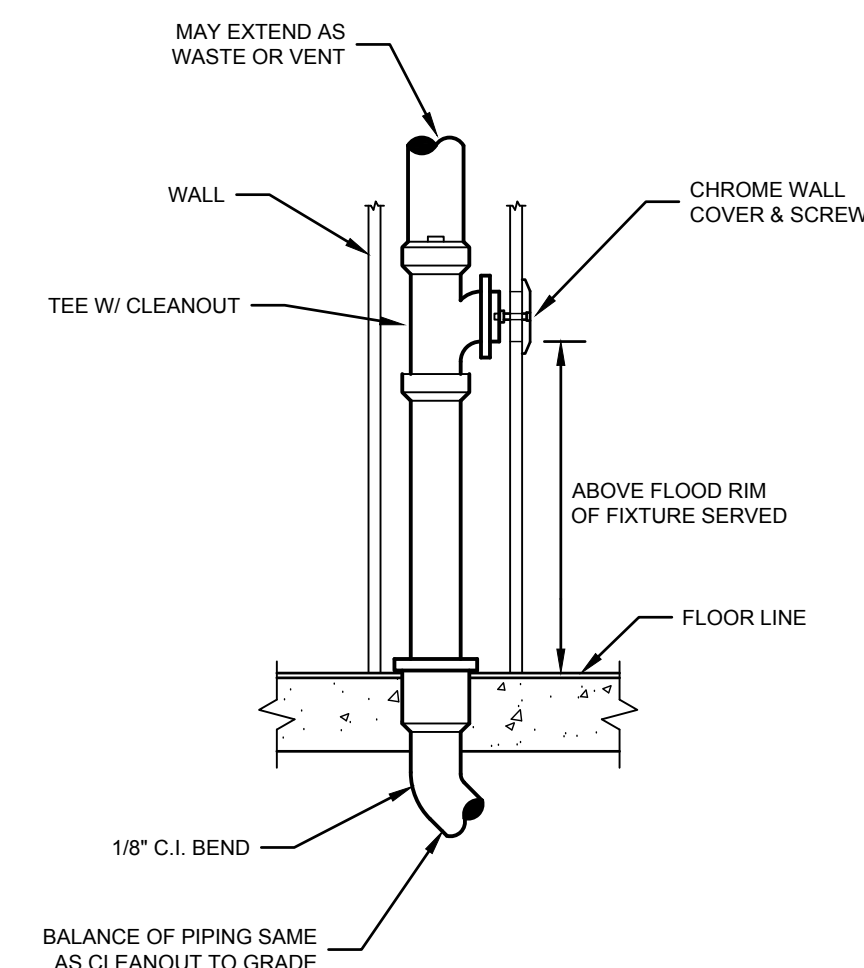


EXTERIOR CLEANOUT DETAIL
NO SCALE



PIPE EMBEDMENT
NO SCALE

- PIPE EMBEDMENT NOTES**
- A. THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE. A MINIMUM OF 12" WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMMETRICAL ABOUT THE CENTER-LINE OF THE EXCAVATION.
 - B. ANY CONCRETE PAVING SHALL BE SAW CUT 6" WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
 - C. IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR FLEXIBLE BASE MATERIAL.
 - D. ROAD BASE AND SURFACE MATERIALS SHALL BE REPLACED IN KIND OF EQUAL THICKNESS WITH MINIMUM BASE THICKNESS OF 8".
 - E. INSTALL DETECTOR TAPE AND TRACE WIRE PER SPECIFICATION.



WALL CLEANOUT DETAIL
NO SCALE

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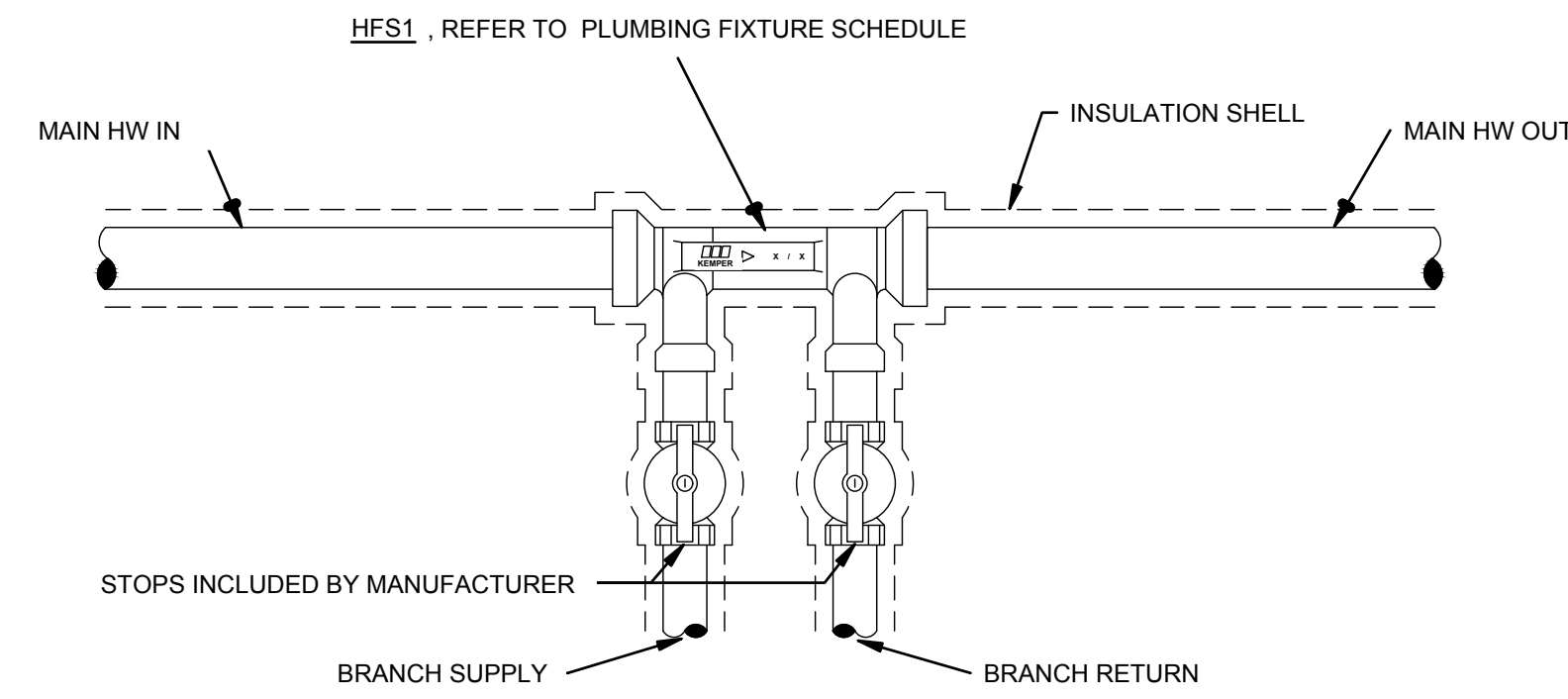
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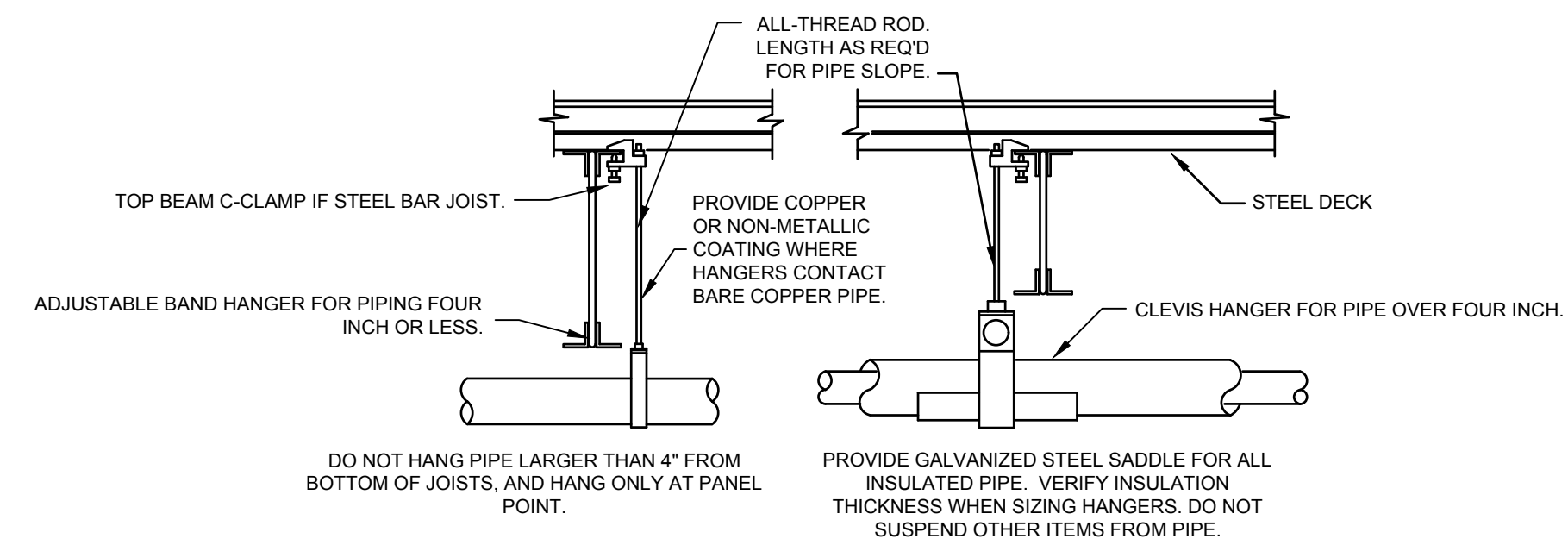
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SHEET NO.
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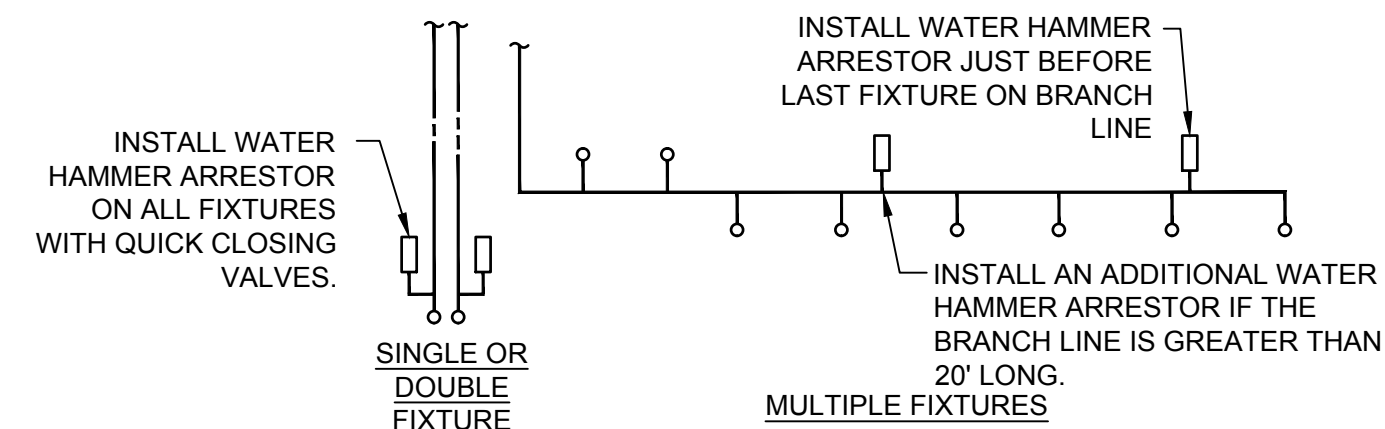


VENTURI DEVICE DETAIL
NO SCALE



PIPE HANGER DETAIL
NO SCALE

COMMENTS:
1. PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. SLOPE ALL WATER PIPING SLIGHTLY TOWARD DRAINABLE LOCATIONS. HANGER SPACING FOR PIPE SIZE: COPPER: 2"=9' 1/2"=8' 1/2"=7' 1"=6' 1/2"=6' 1/2"=5'. CAST IRON: 10' AND ONE NEAR ALL JOINTS. STEEL: 3"=12' 2 1/2"=11' 2"=10' 1 1/2"=9' 1"=7' 1/2"=6' 1/2"=5'. LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. DO NOT SUSPEND PIPE FROM JOIST BRACING MEMBERS. REFER TO CODES AND SPECIFICATIONS FOR FURTHER INFORMATION.



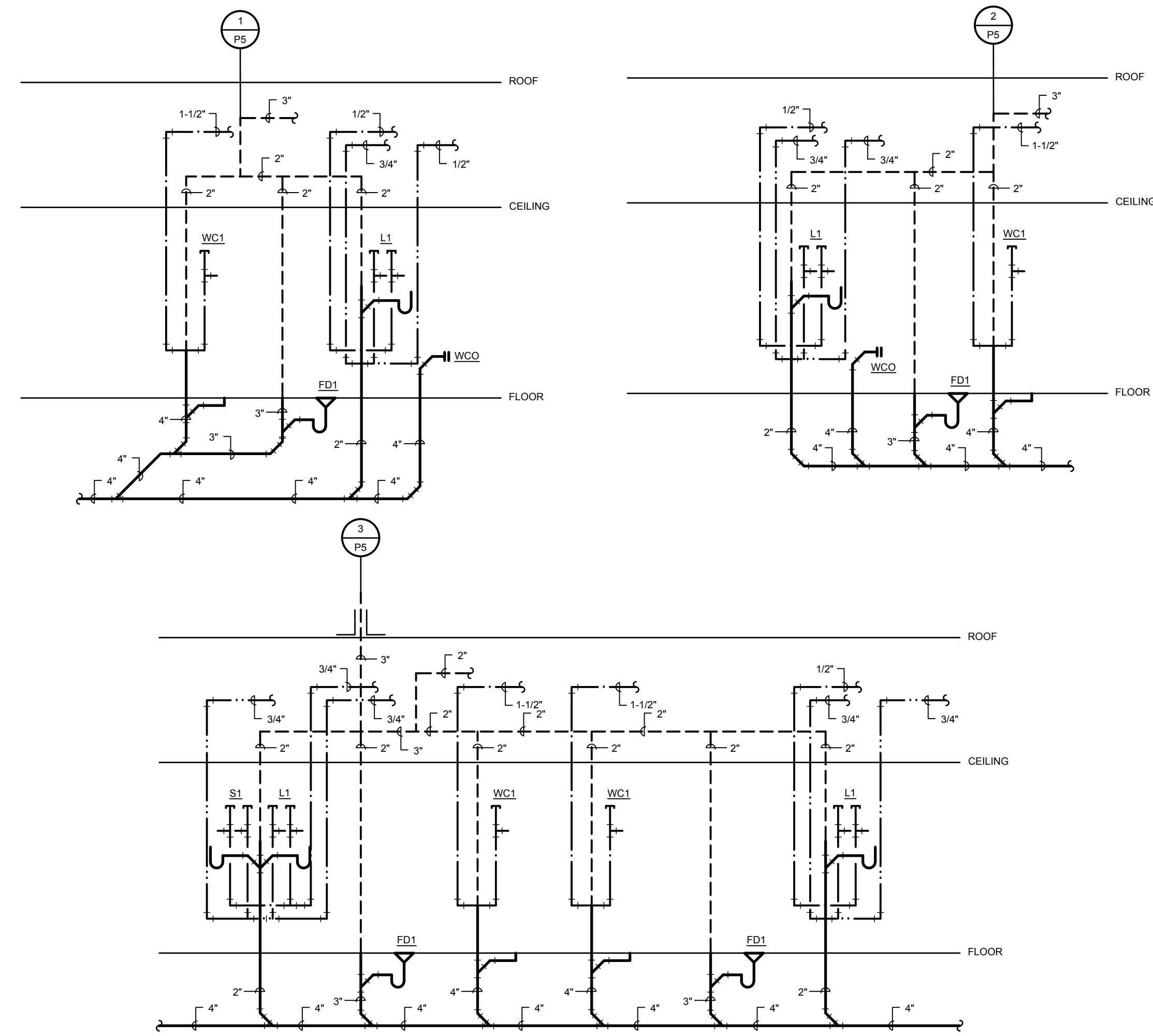
| PDI SIZE | PIPE SIZE | FIXTURE UNIT LOAD |
|----------|-----------|-------------------|
| A | 1/2" | 1-11 |
| B | 3/4" | 12-32 |
| C | 1" | 33-60 |
| D | 1-1/4" | 61-113 |
| E | 1-1/2" | 114-154 |
| F | 2" | 154-330 |

| WATER SUPPLY FIXTURE UNIT (WSFU) | | |
|----------------------------------|------|-----|
| FIXTURE | COLD | HOT |
| VALVE WATER CLOSET | 5 | -- |
| URINAL | 4 | -- |
| LAVATORY/SINK | 1.5 | 1.5 |
| JANITOR'S SINK | 3 | 3 |
| | | |

COMMENTS:
1. WATER HAMMER ARRESTERS SHALL BE HAVE PISTON AND O-RING CONSTRUCTION WITH PDI #WH-201, ASSE # 1010 AND ANSI # A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. SIZE THE UNITS AS SHOWN PER THE TABLES SHOWN ABOVE.

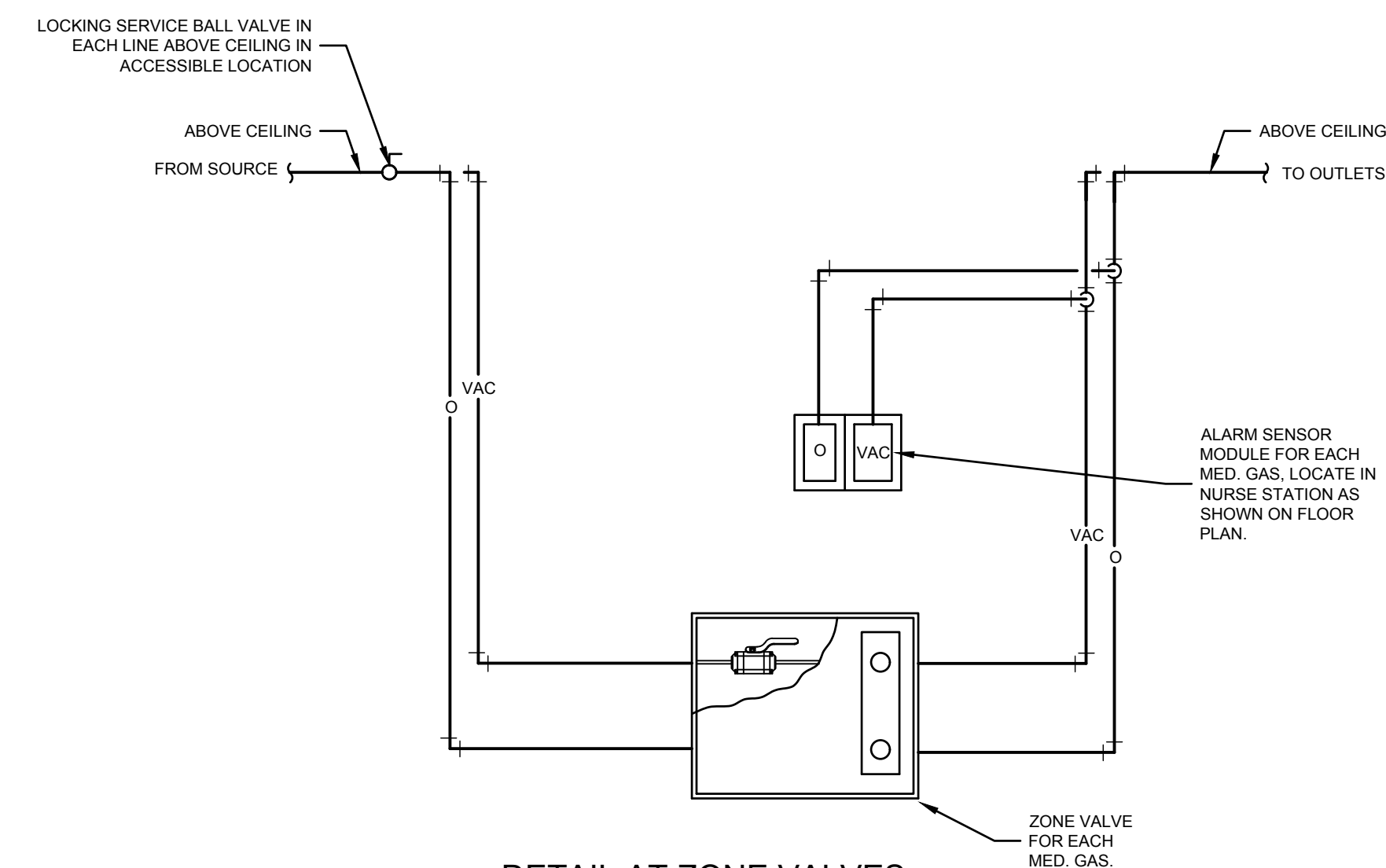
WATER HAMMER ARRESTER DETAIL
NO SCALE

PLUMBING RISER DIAGRAMS



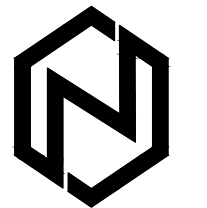
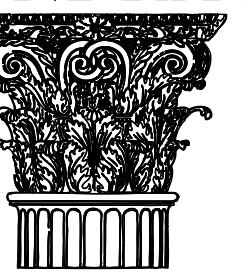
RISER DIAGRAM GENERAL NOTES

- A. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
- B. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.



DETAIL AT ZONE VALVES

NO SCALE
NOTE: COORDINATE WITH PLANS FOR EXACT QUANTITY AND GASES OF ALL MEDICAL GAS LINES IN ZONE VALVES.














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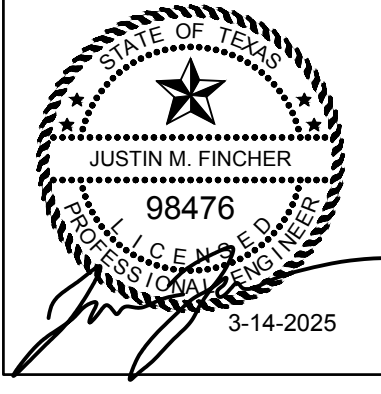
PROJECT NO. 22418
DATE: 03/14/2025

SHEET NO. P5

| PLUMBING FIXTURE SCHEDULE | | | | | | |
|---------------------------|---|---|--|------|----|----|
| MARK | REFERENCE IMAGE | FIXTURE SPECIFICATION (FIXTURES ARE EXAMPLES ONLY, EQUAL FIXTURES FROM ALTERNATE MANUFACTURERS IS ACCEPTABLE. REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS) | FIXTURE CONNECTIONS (RUNOUT LINE SIZES) | | | |
| | | | CW | HW | SS | V |
| WATER CLOSETS | | | | | | |
| WC1 |  | Fixture/Flushvalve: Sloan Model WETS 2020.1301-1.28, 1.28GPF, floor mounted siphon jet elongated bowl and Sloan Royal ES-S Quiet Exposed Permex Rubber Diaphragm Type Flushvalve, hard wired sensor operated flushometer with Self Adaptive Sensor, solenoid activated, over ride button and Free Spinning Stop Cap, No External Volume Adjustment with bolt covers. TAS compliant. Provide Sloan Model EL-154 120V/24V transformer. Seat: Bemis 1955CT white solid plastic open front. | 1-1/2" | 4" | 2" | |
| LAVATORIES | | | | | | |
| L1 |  | Fixture: American Standard 9024.001EC, Decorum wall-hung lavatory, 20x14, vitreous china, rear overflow, and single-hole faucet drilling. TAS compliant. Supply: T&S Brass BP-2704-BN, 4" Centerset Single Lever Faucet with 1/2" IPS Male Inlet Shanks, Temperature Limit Stop, and Ceramic Cartridge, Brushed Nickel Finish. TAS compliant. Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece. P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Truebro Lav Shield rigid enclosure to enclose all components (traps, mixing valve, etc.). Enclosure to be 0.093" nominal wall thickness, stain resistant PVC, china white color, and secured to wall with stainless steel screws. ADA Compliant. Carrier: Mifab #MC-41 floor mounted Lavatory Carrier with concealed arms, leveling and securing screws, rectangular structural uprights and welded feet | 1/2" | 1/2" | 2" | 2" |
| SINKS | | | | | | |
| S1 |  | Fixture: Elkay LRAD-1918, 19" x 18" x 6" deep, single compartment, off-center drain, 18 gage type 302 self rimming stainless steel with 2 holes. TAS compliant. Supply: T&S Brass B-2742, single lever side mounted remote on/off central base faucet, ceramic cartridge, swivel gooseneck, 16" flexible stainless steel supply hoses and 2.2GPM aerator. TAS compliant. Mixing Valve: Provide with TMV mixing valve mounted below deck. Strainer: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and heavy cast elbow. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design. | 1/2" | 1/2" | 2" | 2" |
| S2 |  | Fixture: Elkay LRAD-3321, 33" x 21-1/4", 6" deep, double compartment with off-center drain outlets, 18 gage type 304 self rimming stainless steel with 3 holes. TAS compliant. Supply: T&S Brass B-2742, single lever side mounted remote on/off central base faucet, ceramic cartridge, swivel gooseneck, 16" flexible stainless steel supply hoses and 2.2GPM aerator. TAS compliant. Mixing Valve: Provide with TMV mixing valve mounted below deck. Strainers: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and heavy cast elbow. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design. | 1/2" | 1/2" | 2" | 2" |
| MOP BASINS | | | | | | |
| MB1 |  | Fixture: Acom TNC-24-SH-SSC-KWG, 24x24x12 comer precast terrazzo, 3" integral drain body, stainless steel back wall guards and stainless steel cap Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and 3/4" garden hose outlet Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger | 3/4" | 3/4" | 3" | 2" |

| PLUMBING FIXTURE SCHEDULE | | | | | | |
|---|--|--|--|----|----|----|
| MARK | REFERENCE IMAGE | FIXTURE SPECIFICATION (FIXTURES ARE EXAMPLES ONLY, EQUAL FIXTURES FROM ALTERNATE MANUFACTURERS IS ACCEPTABLE. REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS) | FIXTURE CONNECTIONS (RUNOUT LINE SIZES) | | | |
| | | | CW | HW | SS | V |
| EMERGENCY SHOWER AND EYEWASH COMBINATION | | | | | | |
| ESEW1 |  | Fixture: Guardian GBF2360, Recessed Barrier-Free, combination eye/face wash and shower safety station with stainless steel shower head, internal 20 GPM flow control, stainless steel bowl, powder-coated cast aluminum flag handle and floor flange, 1 1/4" IPS Schedule 40 galvanized pipe and fittings, 1" IPS and 1/2" IPS U.S.-made chrome-plated brass stay-open ball valves, and polished stainless steel pull rod. Unit shall have (4) polypropylene GS-Plus™ spray heads with integral "flip-top" dust covers, filters, and 1.6 GPM flow control orifices mounted on a chrome-plated brass eyewash assembly. Unit shall include an ANSI-compliant sign, TAS Compliant. Alarm: Guardian AP275-200 Electric Light and Alarm Horn for mounting on Safety Station. Mount on vertical pipe of Safety Station. Mixing Valve: Leonard TM-600-RF, Emergency Mixing Valve with solid bi-metal element, internal cold water by-pass, high temperature limit stop and outlet dial thermometer | 1" | 1" | | |
| SPECIALTIES | | | | | | |
| TMV |  | Fixture: A Thermostatic Mixing Valve shall be installed on the hot water supply to the fixture. The valve shall be ASSE Standard 1070 and IAPMO cUPC listed and control the temperature of the hot water. It shall have a Lead Free brass 4-port, "H" pattern body. The valve shall include integral check valves, integral screens, an adjustment nut with locking feature and a vandal resistant lever cover to prevent accidental engagement during normal operating periods. The valve shall be provided with 3/8" male compression fittings. The valve shall be Watts model LFUSG. | LINE SIZE | | | |
| HFS1 |  | Fixture: Kemper KHS Flow-Splitter Unit. Venturi principle flow splitter, dynamic cartridge, corrosion resistant, include with stop valves on both lines along with insulation shell. Contractor shall install per manufacturer requirements. | LINE SIZE | | | |
| RB1 |  | Fixture: Guy Gray SSIB1 stainless steel ice maker box with quarter turn valves. | 1/2" | | | |
| FD1 |  | Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes and 6" adjustable Stainless Steel Square strainer equal to MIFAB #F1100 Series. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions. | | | 3" | 2" |
| CLEANOUTS CO, WCO, DOO |  | Floor cleanouts in finished floors shall be equal to MIFAB C-1100P-R3 with stainless steel cover, and ANS/ASME 5000-7499 lbs. Floor cleanouts in floors with thin flooring shall be equal to MIFAB C1100P-UR-3 with recessed top for flooring and ANS/ASME 5000-7499 lbs.. Floor cleanouts in tiled floors shall be equal to MIFAB C1100P-TS-3 with square stainless steel Cover, recessed for tile, ANS/ASME 5000-7499 lbs. Floor cleanouts in carpeted floors shall be equal to MIFAB C1100P-RC-3 with lacquered cast iron body & anchor flange, secondary "O" ring Test Seal, 4" diameter cleanout opening & round nickel bronze scoriated combined cover & plug top assembly with stainless steel vandal proof allen key screws, primary gasket seal and 1 1/2" round stainless steel carpet marker. (For membrane floors, add -C for membrane clamp). Floor cleanouts in unfinished areas shall be equal to MIFAB C1100P-XR adjustable floor cleanout with lacquered cast iron body & anchor flange, secondary "O" ring Test Seal, 4" diameter cleanout opening & round heavy duty square scoriated combined cover & plug top assembly with stainless steel vandal proof allen key screws & primary gasket seal. (For membrane floors, add Suffix -C for the membrane clamp). Exterior cleanouts subject to heavy wheel traffic shall be equal to MIFAB C1300-MF lacquered cast iron heavy duty access housing with fixed anchor flanges, extra heavy duty ductile iron access cover with 6 1/2" (165) clear bottom access.. Wall cleanouts shall be concealed behind Stainless Steel access cover with screw equal to Mifab C1400-RD | LINE SIZE UP TO 4" | | | |

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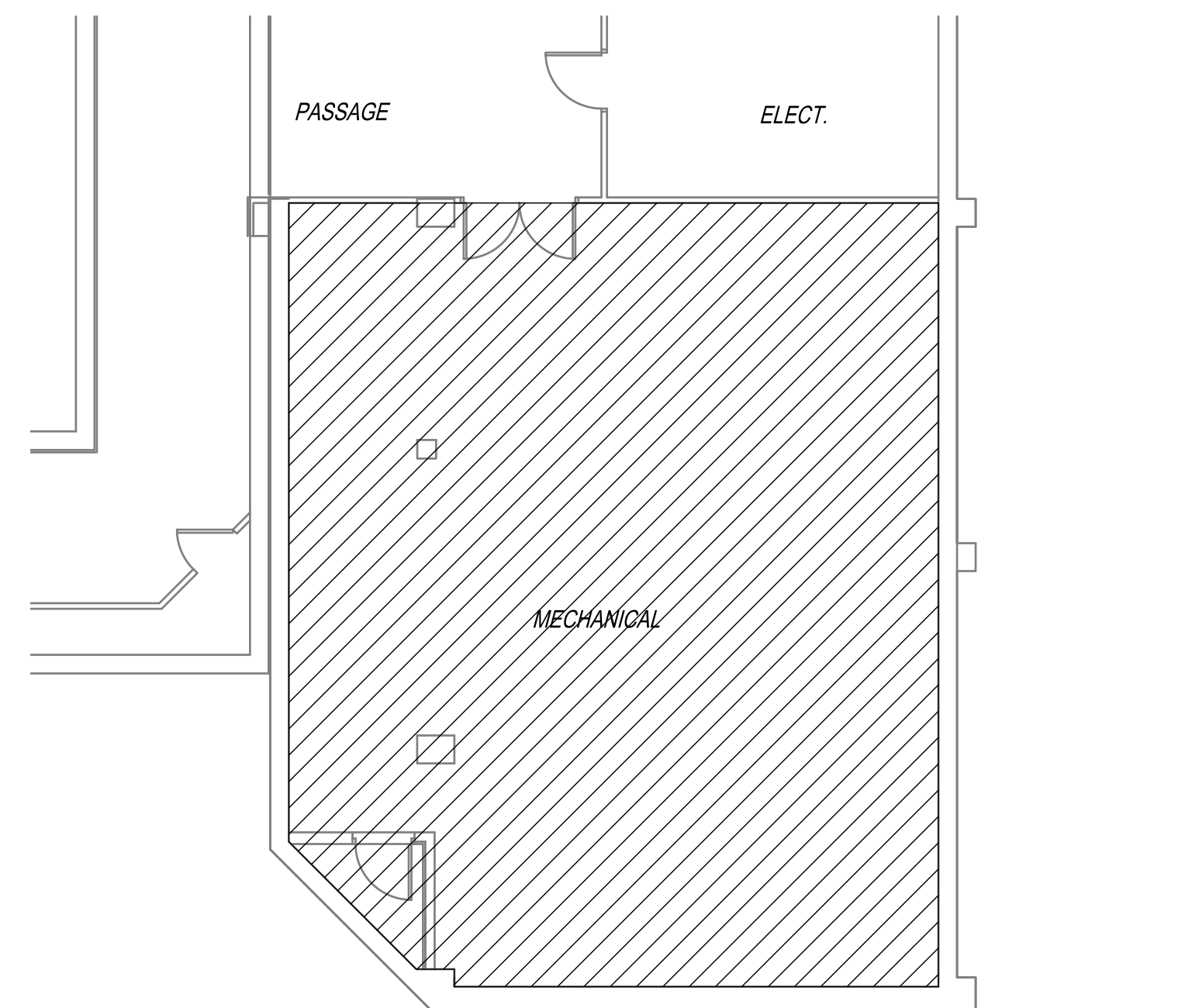
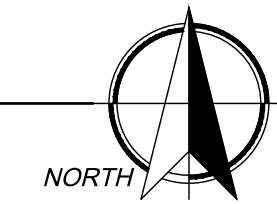
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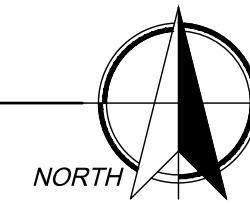
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PROJECT NO. 22418
DATE: 03/14/2025
SHEET NO. P6
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1/FP1 FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



2/FP1 BASEMENT FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



FIRE SPRINKLER SYSTEM

- A. REFER TO ARCHITECTURAL PHASING PLAN FOR PHASING REQUIREMENTS OF PROJECT.
- B. VERIFY EXACT LOCATION OF ALL EXISTING FIRE SPRINKLER HEADS, PIPING, AND ALL ASSOCIATED ITEMS AT THE JOBSITE.
- C. ALL HATCHED AREAS SHOWN SHALL HAVE NEW SPRINKLER HEADS. IT IS NOT ACCEPTABLE TO REUSE EXISTING HEADS.
- D. EXISTING BUILDING PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM. MODIFY EXISTING SYSTEM TO ACCOMMODATE NEW FLOOR PLAN AND ADDITIONS. FIRE SPRINKLER SYSTEM INSTALLED ACCORDING TO THE REQUIREMENTS OF NFPA-13 AND ALL APPLICABLE LOCAL CODES. CONTRACTOR SHALL VERIFY EXISTING SYSTEM SIZES AND LOCATIONS AND MODIFY/EXTEND EXISTING SYSTEM AS REQUIRED FOR A COMPLETE SYSTEM.
- E. ALL SPRINKLER HEADS SHALL BE LOCATED IN CENTER OF CEILING TILES.
- F. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- G. CONTRACTOR SHALL COORDINATE ALL FIRE SPRINKLER SYSTEM DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE WITH OWNER.
- H. ANY EXISTING SPRINKLER PIPING THAT IS IN THE WAY OF INSTALLATION OF ANY NEW MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, OR STRUCTURAL SYSTEMS SHALL BE REROUTED AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THESE SYSTEMS.

SPRINKLER PROTECTION LEGEND

MODIFY THE EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN. NEW DUCTWORK, NEW WALLS, ALL NEW ABOVE CEILING SYSTEMS, ETC. REFER TO GENERAL NOTE H AS EXISTING PIPING MAINS SHOULD BE REPLACED OR REROUTED AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW ABOVE CEILING DUCTS AND PIPING. IN BASEMENT MODIFY EXISTING AS REQUIRED TO ACCOMMODATE NEW DUCTING AND PROVIDE NEW HEADS BELOW ANY DUCTS THAT ARE OBSTRUCTIONS

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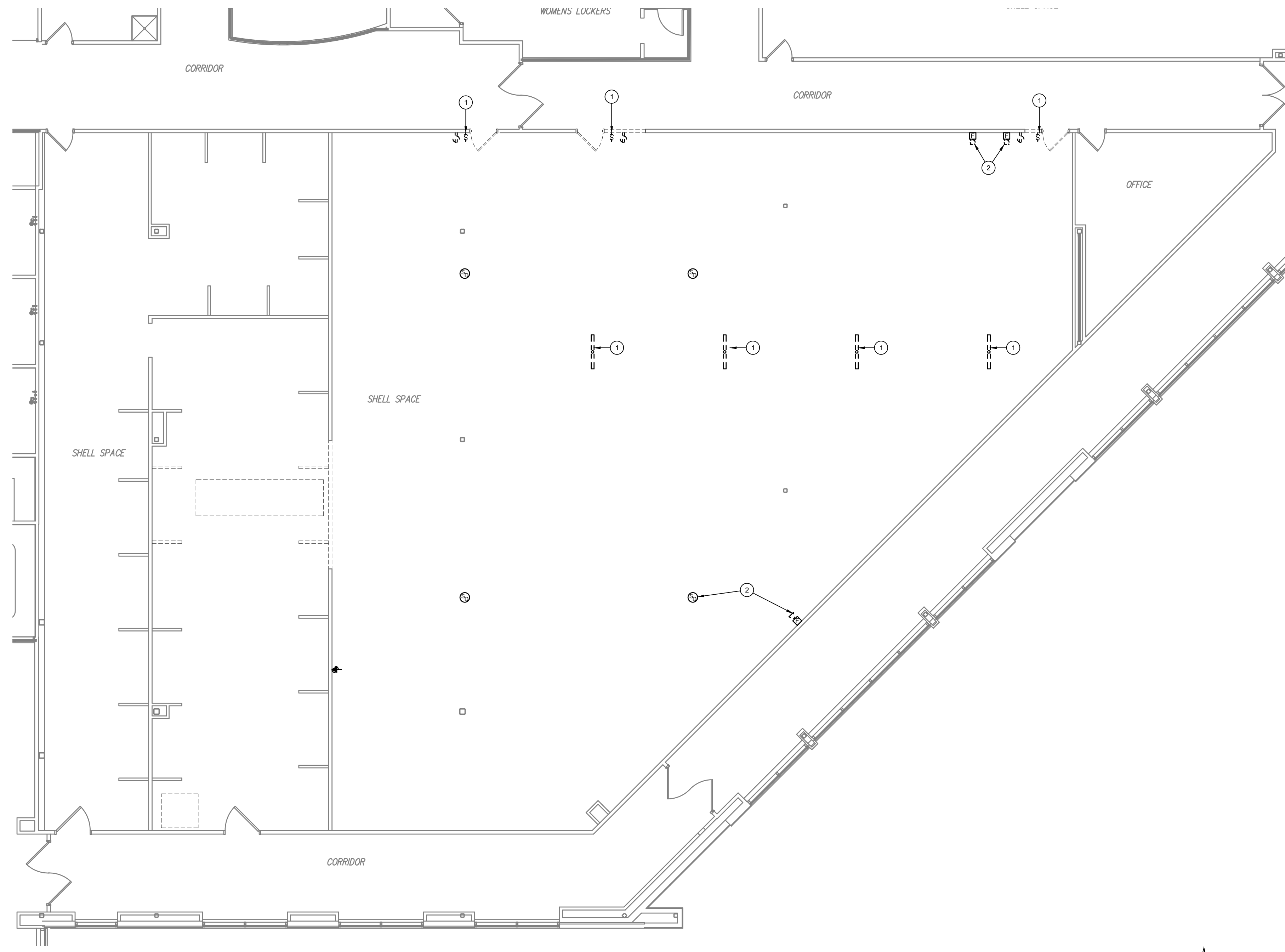
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DATE: 03/14/2025

SHEET NO.
FP1

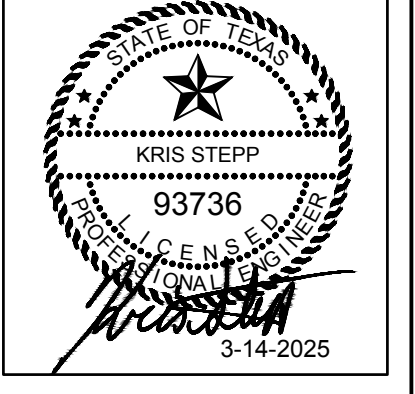
1 OF 1



1/E1 FLOOR PLAN - ELECTRICAL DEMOLITION
 SCALE: 1/8" = 1'-0"

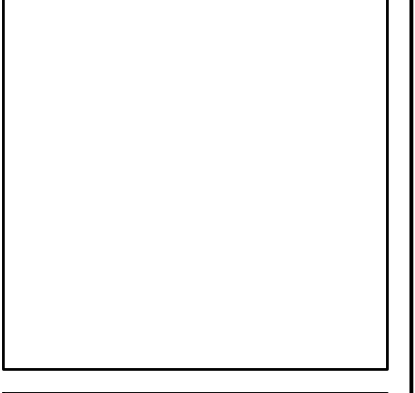
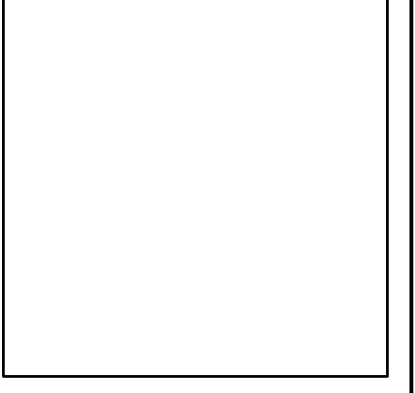
- GENERAL NOTES**
- A. REFER TO SHEET E0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- KEYED NOTES**
- EXISTING LIGHTING AND SWITCHES SHALL BE REMOVED.
 - EXISTING FIRE ALARM DEVICE SHALL BE REMOVED, (TYPICAL)

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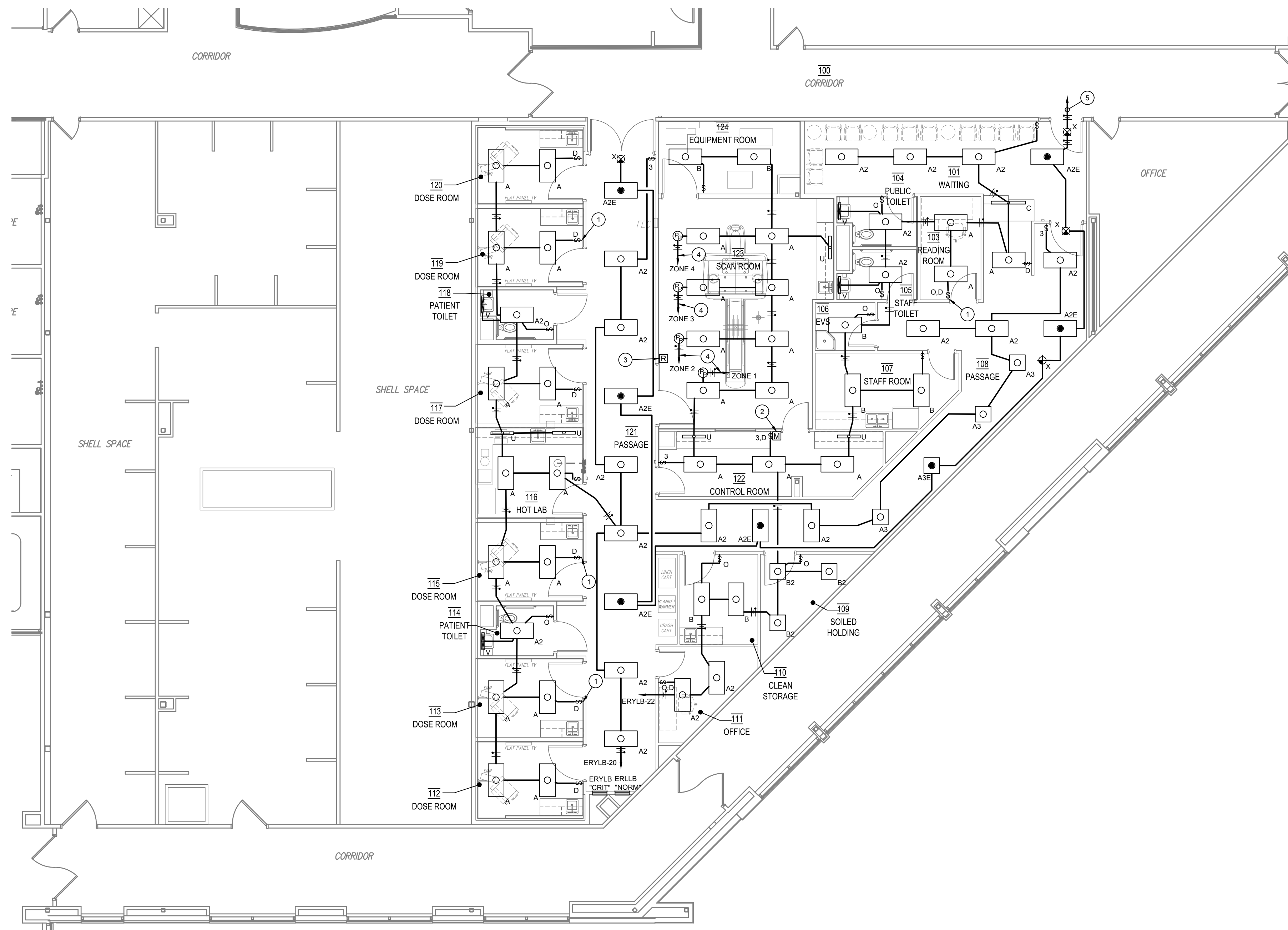
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SHEET NO.
E1

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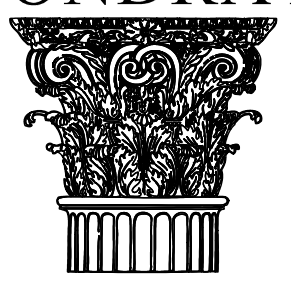
1/E2 FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"



- GENERAL NOTES**
- A. REFER TO SHEET E0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- KEYED NOTES**
1. TYPICAL LOW VOLTAGE LIGHT DIMMER SWITCH WITH 0-10V CONTROL. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
 2. MASTER LIGHTING CONTROLLER. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
 3. REMOTE CONTROLLER. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
 4. ROUTE THROUGH MASTER LIGHTING CONTROLLER.
 5. EXTEND AND CONNECT TO NEAREST "LIFE SAFETY" PANEL WITH AVAILABLE CAPACITY. PROVIDE 20A/1P CIRCUIT BREAKER AS REQUIRED (MATCH EXISTING).

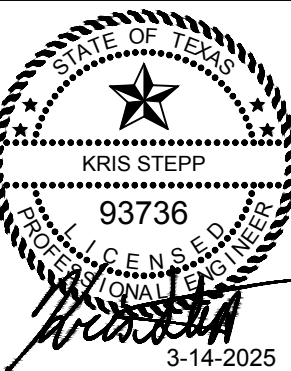
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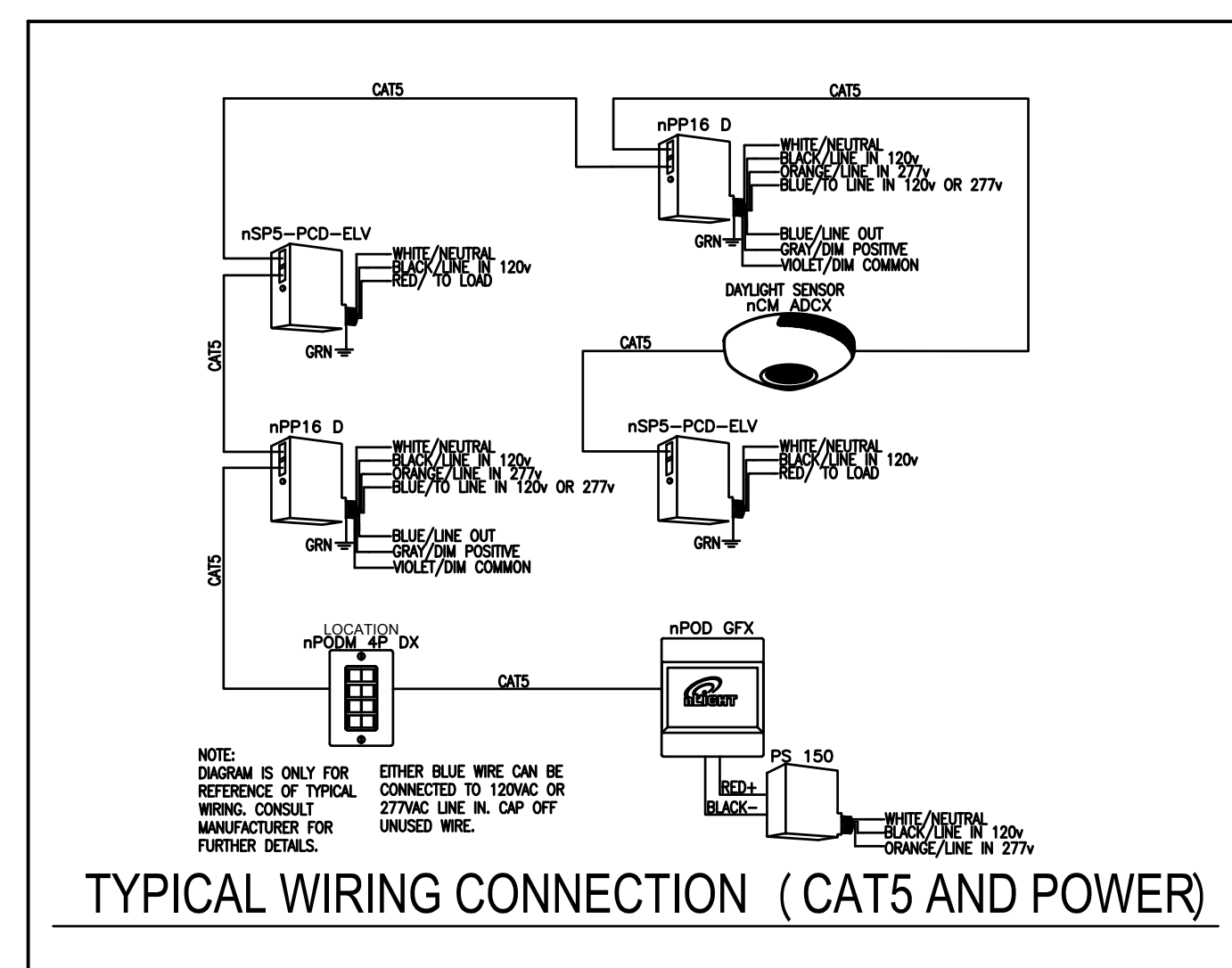
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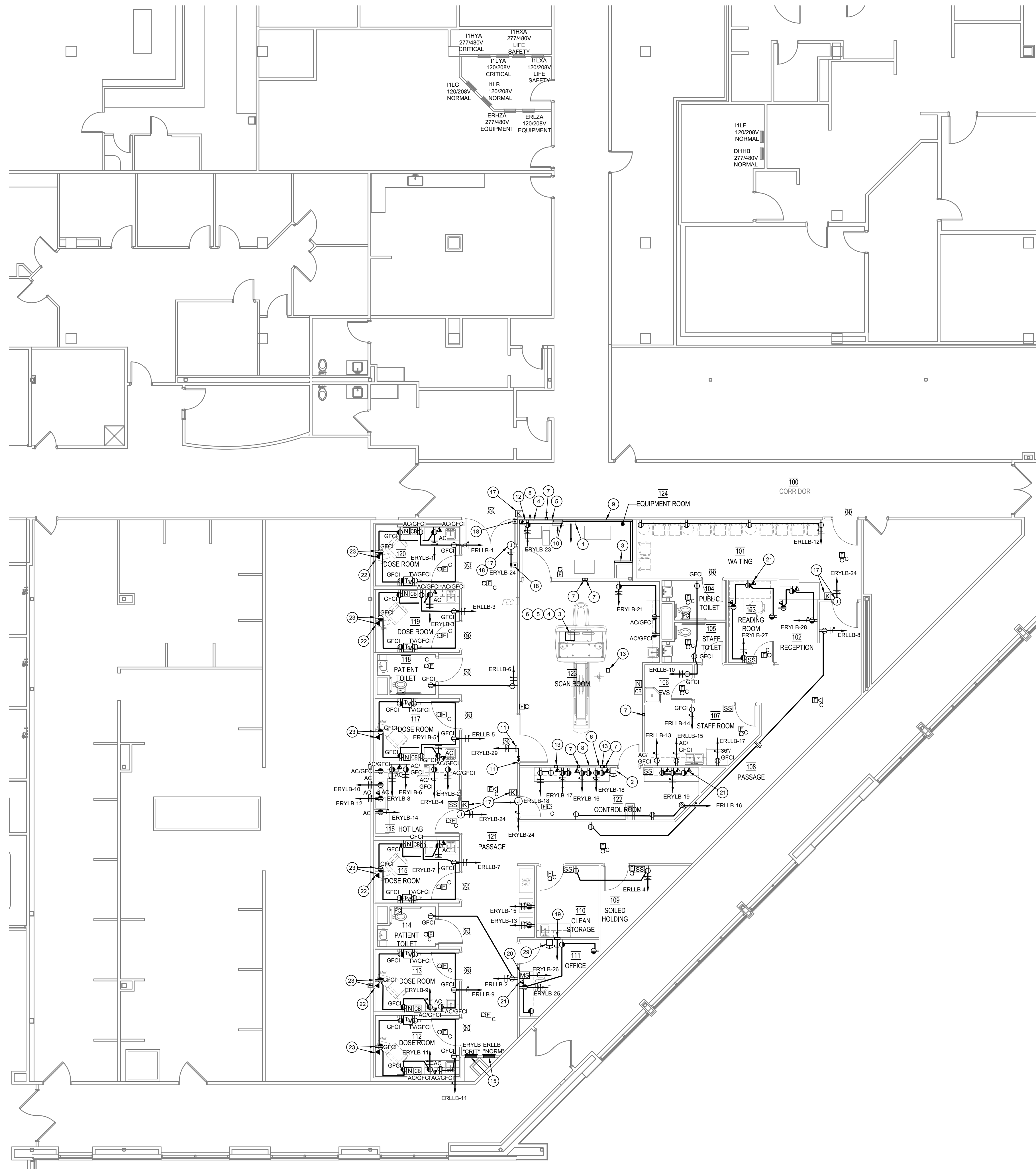
SHEET NO.
E2

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| LIGHTING CONTROL DETAILS | | | |
|--|--|---|--|
| ROOMS WITH THESE LIGHTING CONTROL SYMBOLS (REFER TO PLAN FOR EXACT QUANTITIES) | TYPICAL LOCATION (REFER TO PLAN FOR EXACT LOCATIONS) | LIGHTING CONTROL DESCRIPTION | EXAMPLE MODEL #S |
| | SCAN ROOM | NLIGHT LIGHTING CONTROLS WITH 0-10V AND LINE VOLTAGE DIMMING. CAT5 TO ROUTE THRU EACH CONTROL DEVICE BACK TO LIGHTING GFX CONTROLLER "M". POWER PACKS MOUNTED ABOVE CEILING OR AT CEILING HEIGHT (COORDINATE TYPE WITH MANUFACTURER). 4-CHANNEL KEYPADS "R" FOR OVERRIDE OF GFX CONTROLLER. CONSULT MANUFACTURER FOR ADDITIONAL REQUIREMENTS. | POWER PACK: NLIGHT NPP16-D (0-10V DIMMING) POWER PACK: NLIGHT NS-P5-PCD-ELV (LINE VOLTAGE DIMMING) MASTER CONTROLLER "M": NLIGHT NPOD-GFX-WH REMOTE CONTROL "R": NLIGHT NPODM-4P-DX-WH (CAT5 POWERED) |
| | OFFICE AND STORAGE | WALL MOUNTED WALL BOX CONTROL WITH OCCUPANCY/VACANCY SENSOR | WALLBOX (VAC): NLIGHT WSX PDT-SA-WH WALLBOX (OCC): NLIGHT WSX PDT-WH WALLBOX (VAC/DIM): NLIGHT WSX PDT-D-SA-WH |

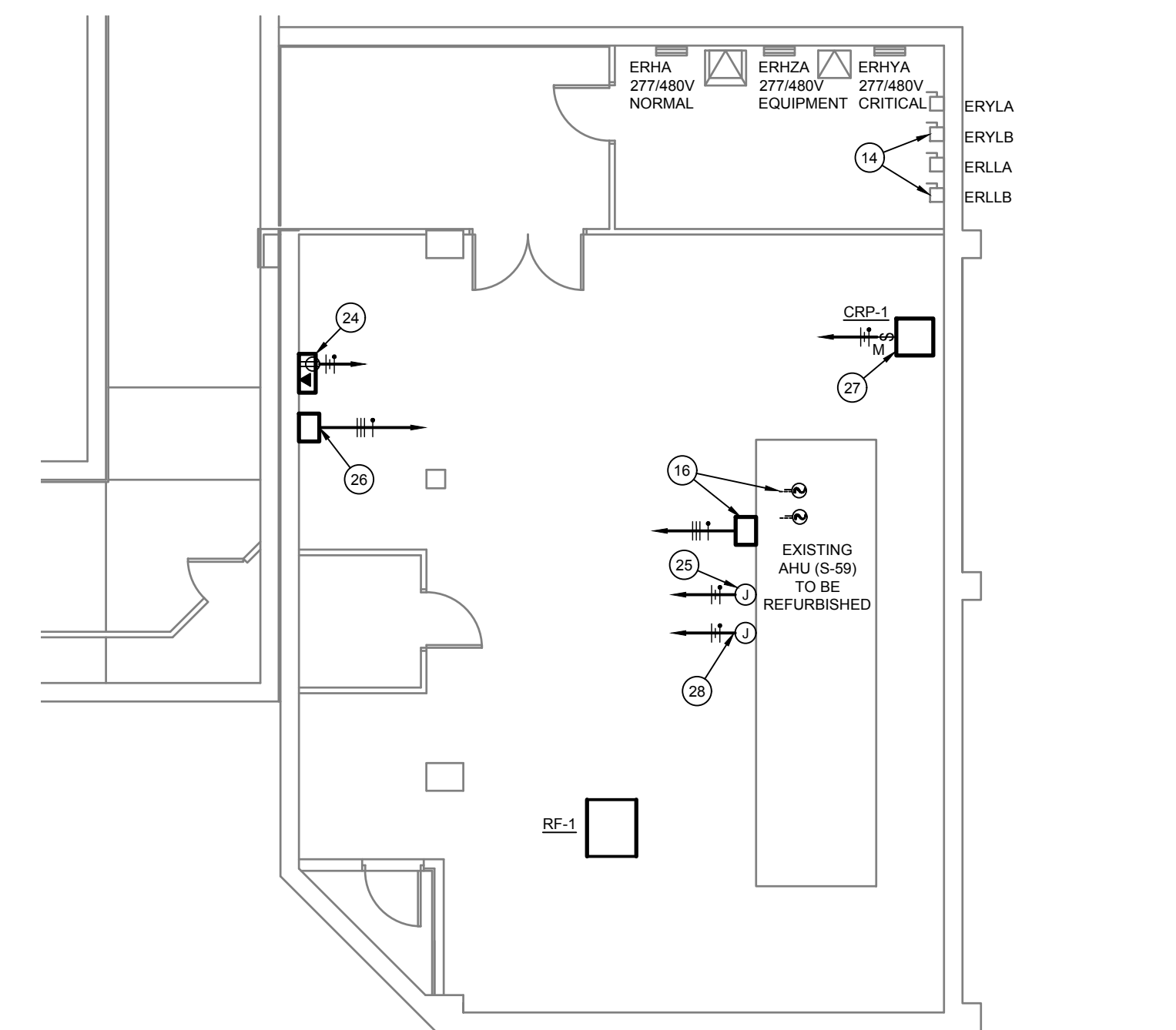
NOTES:
A. REFER TO MANUFACTURER'S DETAILS FOR LIGHTING CONTROL WIRING DIAGRAMS.
B. COORDINATE WITH LIGHTING CONTROLS MANUFACTURER PRIOR TO ROUGH-IN OF ANY CONDUIT OR WIRING FOR LIGHTING SYSTEM TO VERIFY WIRING REQUIREMENTS WITH LIGHTING CONTROL SYSTEM PROVIDED ON PROJECT. SENSOR SHALL PROVIDE COVERAGE OF ROOM/AREA. PROVIDE ADDITIONAL SENSORS AS REQUIRED BY MANUFACTURER.
C. LIGHTING CONTROL SYSTEM TO BE FULLY COMMISSIONED AND PROGRAMMED BY FACTORY TRAINED MANUFACTURERS REPRESENTATIVE. PROVIDE COMPLETE TRAINING TO OWNER. CONTRACTOR SHALL CONTACT MANUFACTURER AT LEAST 3 WEEKS PRIOR TO COMPLETION OF WORK TO SCHEDULE COMMISSIONING.



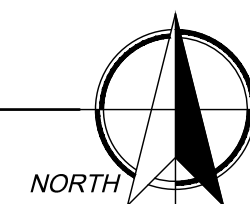
1/E3 FLOOR PLAN - POWER & COMMUNICATION
SCALE: 1/8" = 1'-0"



| GENERAL NOTES | |
|--|---|
| A. REFER TO SHEET E0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET. | |
| B. REFER TO GE CONSULTANT DRAWINGS FOR ALL CONDUIT, WIRING, AND PET SCAN EQUIPMENT REQUIREMENTS. | |
| KEYED NOTES | |
| 1. PROVIDE 480V, 90A, 3PH CONNECTION TO SERVE MAIN DISCONNECT PANEL(SUPPLIED BY GE). EXTEND AND CONNECT TO PANEL "ERHYA" IN BASEMENT. PROVIDE 90A/3P CIRCUIT BREAKER AS REQUIRED (MATCH EXISTING). | 18. PROVIDE 120V CONNECTION, BACKBOX AND PATHWAYS AS REQUIRED TO SUPPORT POWER DOOR OPERATOR AND CONTROL BUTTON. COORDINATE REQUIREMENTS WITH MANUFACTURER. |
| 2. EMERGENCY SHUTOFF BUTTON. COORDINATE CONNECTION REQUIREMENTS WITH GE REPRESENTATIVE. | 19. MED GAS ALARM, 120V. EXTEND AND CONNECT TO "LIFE SAFETY" EMERGENCY PANEL WITH AVAILABLE CAPACITY. PROVIDE 20A/1P CIRCUIT BREAKER AS REQUIRED. (MATCH EXISTING). FIELD VERIFY EXISTING CONDITIONS. |
| 3. PROVIDE (2) - 3" CONDUITS TO SERVE WATER LINES AND (1) 2-1/2" CONDUIT FROM GANTRY TO CHILLER. EXTEND CONDUIT TO WALL DUCT. | 20. NURSE CALL MASTER STATION. EXTEND AND CONNECT TO EXISTING RAULAND RESPONDER SYSTEM. FIELD VERIFY LOCATION AND CONNECTION REQUIREMENTS AS REQUIRED. CONNECT ALL ASSOCIATED NURSE CALL EQUIPMENT, POWER SUPPLIES, BATTERIES, ETC TO "CRITICAL" PANEL. COORDINATE REQUIREMENTS WITH RAULAND CONTRACTOR, ARCHITECT, AND HOSPITAL PERSONNEL. |
| 4. PROVIDE 2-1/2" CONDUIT FROM GANTRY TO WALL DUCT. | 21. COMBINATION TELEPHONE AND DATA OUTLET(TYPICAL). PROVIDE TWO(2) CATEGORY 6 RJ-45 JACKS, TWO(2) CATEGORY 6 CABLES. EXTEND AND CONNECT TO PATCH PANEL IN LAN RACK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 5. PROVIDE (2) - 3-1/2" CONDUITS FROM GANTRY TO WALL DUCT TO SERVE PDU. | 22. DATA OUTLET (TYPICAL). PROVIDE CATEGORY 6 RJ-45 JACK AND CATEGORY 6 CABLE. EXTEND AND CONNECT TO PATCH PANEL IN LAN RACK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 6. PROVIDE 3-1/2" CONDUIT FROM GANTRY TO OPERATORS CONSOLE. | 23. RECEPTACLE AND DATA OUTLET TO SERVE EMR. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. |
| 7. PROVIDE 4"X4" PULL BOX TO SERVE EQUIPMENT. REFER TO GE CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION. | 24. RECEPTACLE AND DATA OUTLET TO SERVE HVAC CONTROL. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR. EXTEND AND CONNECT TO NEAREST AVAILABLE 120V "CRITICAL" EMERGENCY PANEL. PROVIDE 20A/1P CIRCUIT BREAKER (MATCH EXISTING). |
| 8. PROVIDE 2-1/2" CONDUIT FROM CONSOLE TO WALL DUCT. | 25. PROVIDE 120V CONNECTION TO SERVE LIGHTS AND CONTROLS. FIELD VERIFY EXISTING CONDITIONS. COORDINATE CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. EXTEND AND CONNECT TO NEAREST AVAILABLE 120V "EQUIPMENT" OR "CRITICAL" EMERGENCY PANEL. PROVIDE 20A/1P CIRCUIT BREAKER (MATCH EXISTING). |
| 9. PROVIDE 10"X3-1/2" SURFACE WALL DUCT WITH TWO DIVIDERS. REFER TO GE CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION. | 26. NEW VFD TO SERVE RF-1. EXTEND AND CONNECT TO EXISTING 20A/3P CIRCUIT BREAKER IN PANEL ERHZA. COORDINATE CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. |
| 10. PROVIDE 18"X3-1/2" SURFACE VERTICAL WALL DUCT WITH TWO DIVIDERS. REFER TO GE CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION. | 27. NEW CRP-1, 120V, 1PH, 1/3 HP. EXTEND AND CONNECT TO EXISTING "EQUIPMENT" EMERGENCY CIRCUIT SERVING EQUIPMENT. FIELD VERIFY EXISTING CONDITIONS. |
| 11. PROVIDE "X-RAY IN USE" WARNING LIGHT (LITHONIA LE-P-W-1-R-AC-SW16) AND DOOR JAMB SWITCH. CONNECT TO PDU FOR CONTROL. COORDINATE CONTROL REQUIREMENTS WITH GE REPRESENTATIVE. | 28. PROVIDE 120V CONNECTION TO SERVE UV LIGHT. FIELD VERIFY EXISTING CONDITIONS. COORDINATE CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. EXTEND AND CONNECT TO NEAREST AVAILABLE 120V "EQUIPMENT" OR "CRITICAL" EMERGENCY PANEL. PROVIDE 20A/1P CIRCUIT BREAKER (MATCH EXISTING). |
| 12. PROVIDE 18"X6" WITH GROMMETED OPENINGS AS REQUIRED TO SERVE EQUIPMENT. REFER TO GE CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION. | 29. HVAC EMERGENCY SHUT-OFF. CONNECT TO DE-ENERGIZE AHU S-59 IN BASEMENT. COORDINATE CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. |
| 13. PROVIDE 6"X4" PULL BOX TO SERVE EQUIPMENT. REFER TO GE CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION. | |
| 14. PROVIDE 150A FUSES IN EXISTING DISCONNECT TO SERVE NEW PANEL. | |
| 15. CONNECT TO EXISTING DISCONNECT IN BASEMENT WITH CORRESPONDING NAME. PROVIDE (4) #10 + #6 GND IN 2" CONDUIT. EXISTING CONDUIT MAY BE REUSED IF IN GOOD WORKING CONDITION. FIELD VERIFY. | |
| 16. EXISTING AHU S-59. FIELD VERIFY EXISTING CONDITIONS. PROVIDE NEW 35A/3P CIRCUIT BREAKER IN PANEL ERHZA (MATCH EXISTING). PROVIDE NEW DUCT DETECTORS AS REQUIRED. | |
| 17. PROVIDE 120V CONNECTION, BACKBOX AND PATHWAYS AS REQUIRED TO SUPPORT SECURE DOOR. COORDINATE REQUIREMENTS WITH SECURITY CONTRACTOR AND DOOR HARDWARE. | |



2/E3 BASEMENT FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

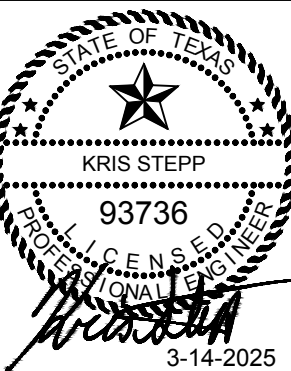


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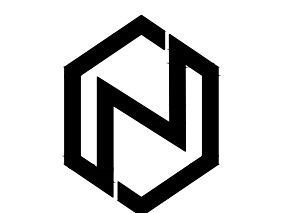
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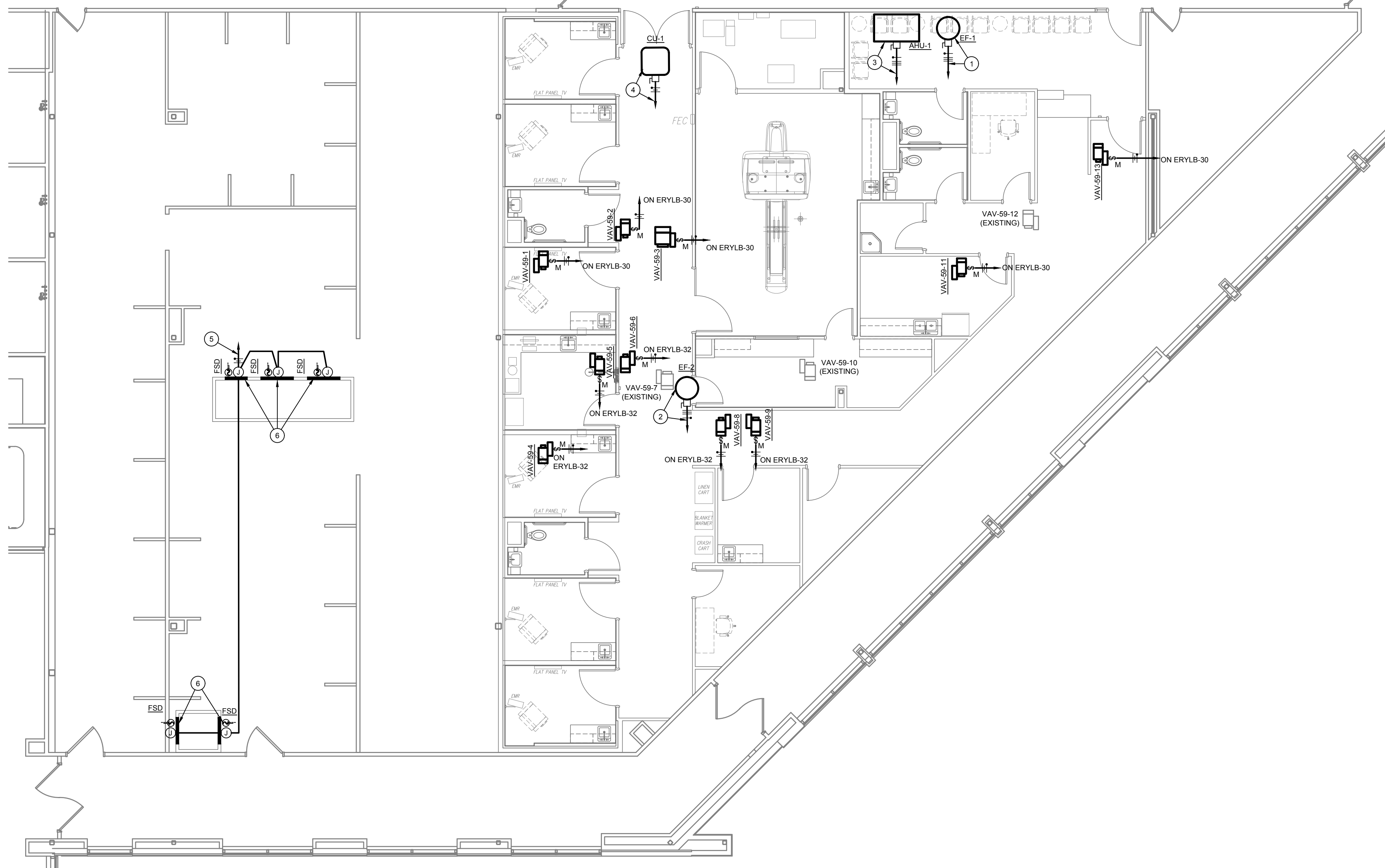
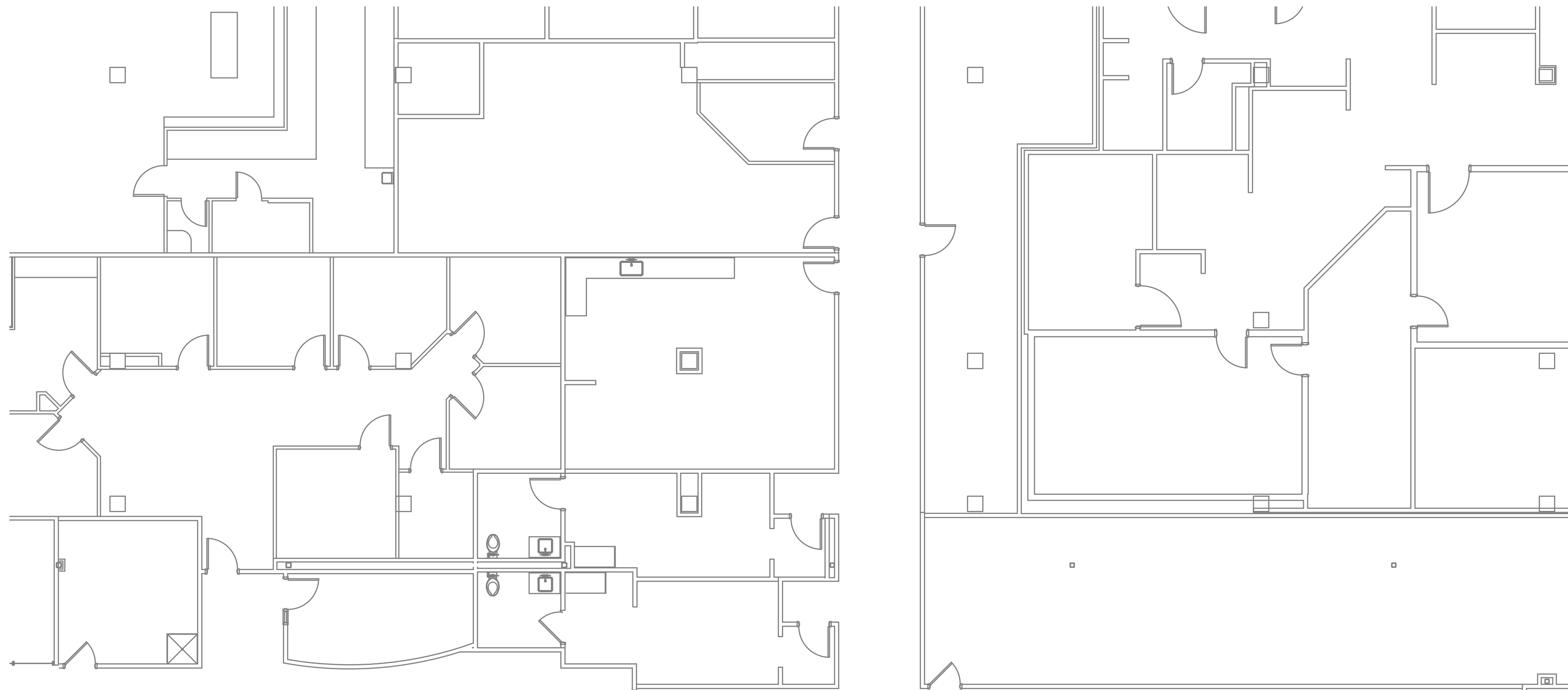
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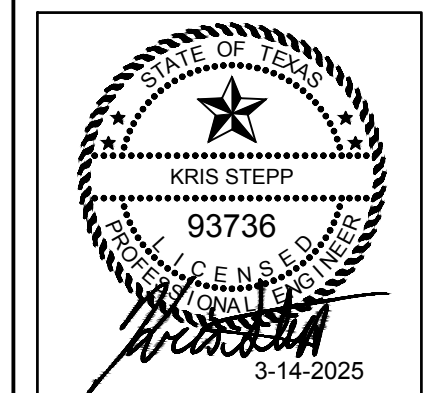
SHEET NO.
E3

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- GENERAL NOTES**
- A. REFER TO SHEET E0 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- KEYED NOTES**
- EF-1, 480V, 3PH, 1HP. EXTEND AND CONNECT TO "EQUIPMENT" EMERGENCY PANEL "ERZH1" IN PENTHOUSE. FIELD VERIFY EXISTING PANEL. PROVIDE 20A/3P CIRCUIT BREAKER AS REQUIRED. (MATCH EXISTING)
 - EF-2, 480V, 3PH, 1HP. EXTEND AND CONNECT TO "EQUIPMENT" EMERGENCY PANEL "ERLH1" IN PENTHOUSE. FIELD VERIFY EXISTING PANEL. PROVIDE 20A/3P CIRCUIT BREAKER AS REQUIRED. (MATCH EXISTING)
 - AHU-1, 480V, 3PH, 10A MCA. EXTEND AND CONNECT TO "EQUIPMENT" EMERGENCY PANEL "ERZH8" IN BASEMENT. PROVIDE 15A/3P CIRCUIT BREAKER AS REQUIRED. (MATCH EXISTING)
 - CU-1, 480V, 3PH, 11.8A MCA. EXTEND AND CONNECT TO "EQUIPMENT" EMERGENCY PANEL "ERZH1" IN PENTHOUSE. FIELD VERIFY EXISTING PANEL. PROVIDE 20A/3P CIRCUIT BREAKER AS REQUIRED. (MATCH EXISTING)
 - EXTEND AND CONNECT TO NEAREST "LIFE SAFETY" PANEL WITH AVAILABLE CAPACITY. PROVIDE 20A/1P CIRCUIT BREAKER AS REQUIRED (MATCH EXISTING).
 - 120V FIRE/SMOKE DAMPER. PROVIDE DUCT MOUNTED SMOKE DETECTORS AS REQUIRED BY NFPA. EXTEND AND CONNECT TO FACP FOR CONTROL AS REQUIRED.

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PROJECT NO. 22418
 DATE: 03/14/2025

SHEET NO.
E4

5 OF 6

1/E4 FLOOR PLAN - MECHANICAL POWER
 SCALE: 1/8" = 1'-0"



2/E4 PENTHOUSE FLOOR PLAN - ELECTRICAL
 SCALE: 1/16" = 1'-0"



LIGHT FIXTURE SCHEDULE

| MARK | REFERENCE IMAGE | MANUFACTURER | MODEL | DESCRIPTION | MOUNTING | FINISH | TYPE | VOLTS | WATTS | LUMENS | TEMP(°K) | DIMMING | NOTES |
|------|-----------------|--------------|---|--|----------|----------------|------|-------|-------|--------|-----------|---------|--|
| A | | ACUITY | ENVX-2X4-HRG-4800LM-80CRI-40K-MIN10-MVOLT | CURVED LENS RECESSED 2'X4' PANEL | RECESSED | WHITE | LED | 120 | 40 | 4800 | 4000 | 0-10V | |
| A2 | | ACUITY | ENVX-2X4-HRG-3000LM-80CRI-40K-MIN10-MVOLT | CURVED LENS RECESSED 2'X4' PANEL | RECESSED | WHITE | LED | 120 | 23 | 3000 | 4000 | 0-10V | |
| A2E | | ACUITY | ENVX-2X4-HRG-3300LM-80CRI-40K-MIN10-MVOLT | SAME AS TYPE "A2" EXCEPT SERVED FROM "LIFE SAFETY" EMERGENCY PANEL | RECESSED | WHITE | LED | 120 | 23 | 3000 | 4000 | 0-10V | |
| A3 | | ACUITY | ENVX-2X2-HRG-3300LM-80CRI-40K-MIN10-MVOLT | CURVED LENS RECESSED 2'X2' PANEL | RECESSED | WHITE | LED | 120 | 30 | 3300 | 4000 | 0-10V | |
| A3E | | ACUITY | ENVX-2X2-HRG-3300LM-80CRI-40K-MIN10-MVOLT | SAME AS TYPE "A3" EXCEPT SERVED FROM "LIFE SAFETY" EMERGENCY PANEL | SURFACE | WHITE | LED | 120 | 30 | 3300 | 4000 | 0-10V | |
| B | | ACUITY | CPX 2X4 AL06 SWWW7 M2 | 2'X4' FLAT PANEL | RECESSED | WHITE | LED | 120 | 36 | 4000 | 4000 | 0-10V | |
| B2 | | ACUITY | CPX 2X2 AL06 SWWW7 M4 | 2'X2' FLAT PANEL | RECESSED | WHITE | LED | 120 | 41 | 4400 | 4000 | 0-10V | |
| C | | AXIS | B2SQRLLED-500-80-40-SO-S(4)-W-UNV-DP-1-DS | 4' LINEAR SLOT LIGHT FIXTURE | RECESSED | WHITE | LED | 120 | 20 | 2000 | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| U | | JUNO | UCES-36IN-SWWW6-90CRI-WH-M6 | 3' LED UNDERCABINET LIGHT WITH ROCKER SWITCH | SURFACE | WHITE | LED | 120 | 17 | 1200 | 2700-3500 | N/A | |
| V | | BLACK JACK | VEC-24-SN-27U-40K | VANITY LIGHT FIXTURE | WALL | BRUSHED NICKEL | LED | 120 | 14 | 1000 | 4000 | N/A | |
| X | | LITHONIA | EDGR-1-R-EL-SD | SINGLE FACED EXIT SIGN WITH EMERGENCY BATTERY | RECESSED | ALUMINUM | LED | 120 | 2 | LED | N/A | N/A | |

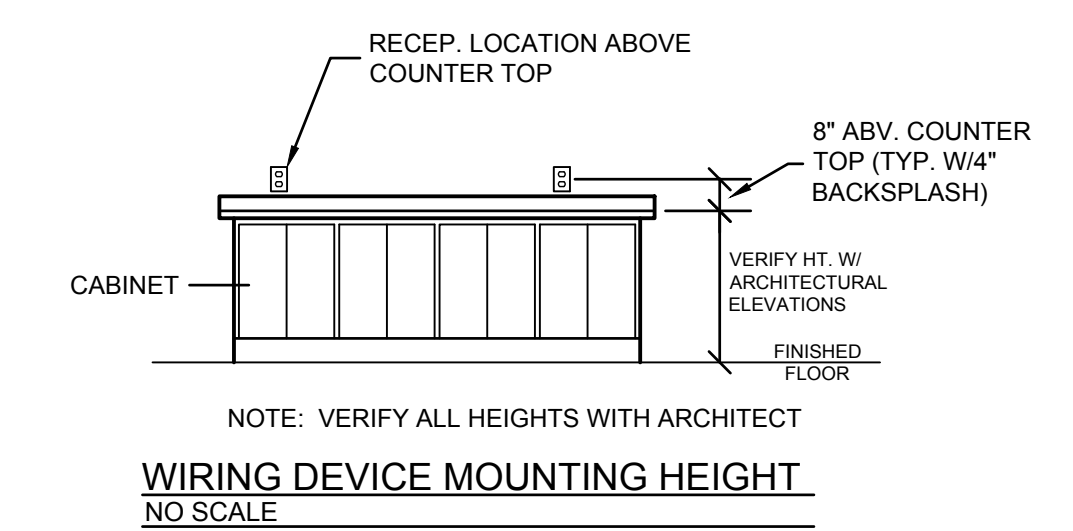
LIGHT FIXTURE SCHEDULE GENERAL NOTES

- A. COORDINATE/CONFIRM ALL FIXTURE FINISHES WITH ARCHITECT DURING SUBMITTAL STAGE.
- B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT FIXTURE LOCATIONS.
- C. FOR ALL SUSPENDED FIXTURES PROVIDE ADEQUATE SUSPENSION METHOD (CABLE, STEM, ETC.) AS REQUIRED TO ACCOMMODATE LENGTH UP TO STRUCTURE. REFER TO ARCHITECTURAL.

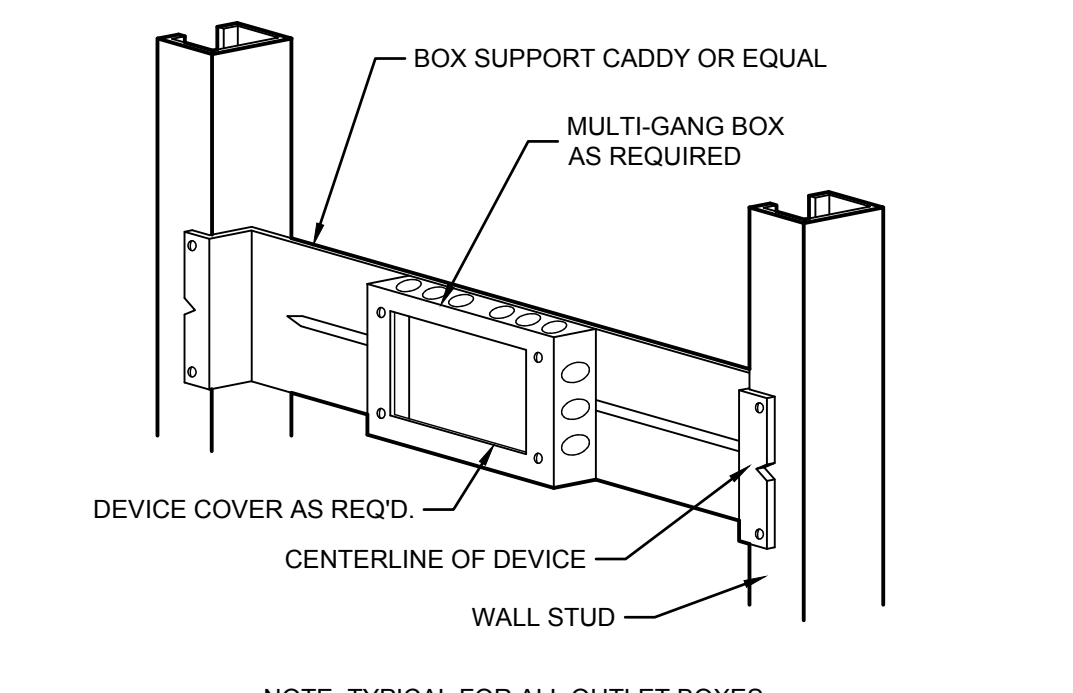
| MOUNTING RECESSED | | | | | | | | | | | | |
|------------------------------------|--------------|------|------|---------------|---------|---------|---------|-----|--------------|-----|---|-------------|
| 120/208 VOLTS 3 PHASE 4 WIRE + GR. | | | | | | | | | | | | |
| NORMAL | | | | | | | | | | | | |
| MAINS 225 MLO | | | | | | | | | | | | |
| BUS 225 AMPS. | | | | | | | | | | | | |
| MINIMUM A.I.C. 10000 AMPS. | | | | | | | | | | | | |
| DESCRIPTION | LOAD / PHASE | | | BKR | CKT NO. | NOTES | CKT NO. | BKR | LOAD / PHASE | | | DESCRIPTION |
| | A | B | C | | | | | | A | B | C | |
| RECEPTACLE | 1000 | | | 20 | 1 | | 2 | 20 | 400 | | | RECEPTACLE |
| RECEPTACLE | | 1000 | | 20 | 3 | | 4 | 20 | 400 | | | RECEPTACLE |
| RECEPTACLE | | | 1000 | 20 | 5 | | 6 | 20 | 400 | 400 | | RECEPTACLE |
| RECEPTACLE | 1000 | | | 20 | 7 | | 8 | 20 | 400 | | | RECEPTACLE |
| RECEPTACLE | | 1000 | | 20 | 9 | | 10 | 20 | 600 | | | RECEPTACLE |
| RECEPTACLE | | | 1000 | 20 | 11 | | 12 | 20 | 800 | | | RECEPTACLE |
| RECEPTACLE | 200 | | | 20 | 13 | | 14 | 20 | 200 | | | RECEPTACLE |
| RECEPTACLE | | 200 | | 20 | 15 | | 16 | 20 | 600 | | | RECEPTACLE |
| RECEPTACLE | | | 200 | 20 | 17 | | 18 | 20 | 400 | | | RECEPTACLE |
| SPARE | | | | 20 | 19 | | 20 | 20 | | | | SPARE |
| SPARE | | | | 20 | 21 | | 22 | 20 | | | | SPARE |
| SPARE | | | | 20 | 23 | | 24 | 20 | | | | SPARE |
| SPARE | | | | 20 | 25 | | 26 | 20 | | | | SPARE |
| SPARE | | | | 20 | 27 | | 28 | 20 | | | | SPARE |
| SPARE | | | | 20 | 29 | | 30 | 20 | | | | SPARE |
| SPACE | | | | 20 | 31 | | 32 | 20 | | | | SPACE |
| SPACE | | | | 20 | 33 | | 34 | 20 | | | | SPACE |
| SPACE | | | | 20 | 35 | | 36 | 20 | | | | SPACE |
| SPACE | | | | 20 | 37 | | 38 | 20 | | | | SPACE |
| SPACE | | | | 20 | 39 | | 40 | 20 | | | | SPACE |
| SPACE | | | | 20 | 41 | | 42 | 20 | | | | SPACE |
| CONNECTED LOAD: 10,800 | | | | PHASE A: 3200 | | AMPS 12 | | | | | | |
| | | | | PHASE B: 3800 | | AMPS 14 | | | | | | |
| | | | | PHASE C: 3800 | | AMPS 14 | | | | | | |

| MOUNTING RECESSED | | | | | | | | | | | | |
|------------------------------------|--------------|------|------|---------------|---------|---------|---------|-----|--------------|-----|-----|-------------|
| 120/208 VOLTS 3 PHASE 4 WIRE + GR. | | | | | | | | | | | | |
| CRITICAL | | | | | | | | | | | | |
| MAINS 225 MLO | | | | | | | | | | | | |
| BUS 225 AMPS. | | | | | | | | | | | | |
| MINIMUM A.I.C. 10000 AMPS. | | | | | | | | | | | | |
| DESCRIPTION | LOAD / PHASE | | | BKR | CKT NO. | NOTES | CKT NO. | BKR | LOAD / PHASE | | | DESCRIPTION |
| | A | B | C | | | | | | A | B | C | |
| RECEPTACLE | 1000 | | | 20 | 1 | | 2 | 20 | 200 | | | RECEPTACLE |
| RECEPTACLE | | 1000 | | 20 | 3 | | 4 | 20 | 200 | | | RECEPTACLE |
| RECEPTACLE | | | 1000 | 20 | 5 | | 6 | 20 | | 200 | | RECEPTACLE |
| RECEPTACLE | 1000 | | | 20 | 7 | | 8 | 20 | 200 | | | RECEPTACLE |
| RECEPTACLE | | 1000 | | 20 | 9 | | 10 | 20 | | 200 | | RECEPTACLE |
| RECEPTACLE | | | 1000 | 20 | 11 | | 12 | 20 | | 200 | | RECEPTACLE |
| CRASH CART | 500 | | | 20 | 13 | | 14 | 20 | 200 | | | RECEPTACLE |
| BLNKT WRMR | | 500 | | 20 | 15 | | 16 | 20 | 200 | | | RECEPTACLE |
| RECEPTACLE | | | 200 | 20 | 17 | | 18 | 20 | | 200 | | RECEPTACLE |
| RECEPTACLE | 200 | | | 20 | 19 | | 20 | 20 | 963 | | | LIGHTING |
| RECEPTACLE | | 200 | | 20 | 21 | | 22 | 20 | | 905 | | LIGHTING |
| RECEPTACLE | | | 200 | 20 | 23 | | 24 | 20 | | 200 | | POWER DOOR |
| RECEPTACLE | 800 | | | 20 | 25 | | 26 | 20 | 200 | | | NURSE CALL |
| RECEPTACLE | | 800 | | 20 | 27 | | 28 | 20 | | 800 | | RECEPTACLE |
| WARN LGT | | | 200 | 20 | 29 | | 30 | 20 | | | 500 | VAV |
| SPARE | | | | 20 | 31 | | 32 | 20 | 500 | | | VAV |
| SPARE | | | | 20 | 33 | | 34 | 20 | | | | SPACE |
| SPARE | | | | 20 | 35 | | 36 | 20 | | | | SPACE |
| SPARE | | | | 20 | 37 | | 38 | 20 | | | | SPACE |
| SPARE | | | | 20 | 39 | | 40 | 20 | | | | SPACE |
| SPARE | | | | 20 | 41 | | 42 | 20 | | | | SPACE |
| CONNECTED LOAD: 15,468 | | | | PHASE A: 5763 | | AMPS 21 | | | | | | |
| | | | | PHASE B: 5805 | | AMPS 21 | | | | | | |
| | | | | PHASE C: 3900 | | AMPS 14 | | | | | | |

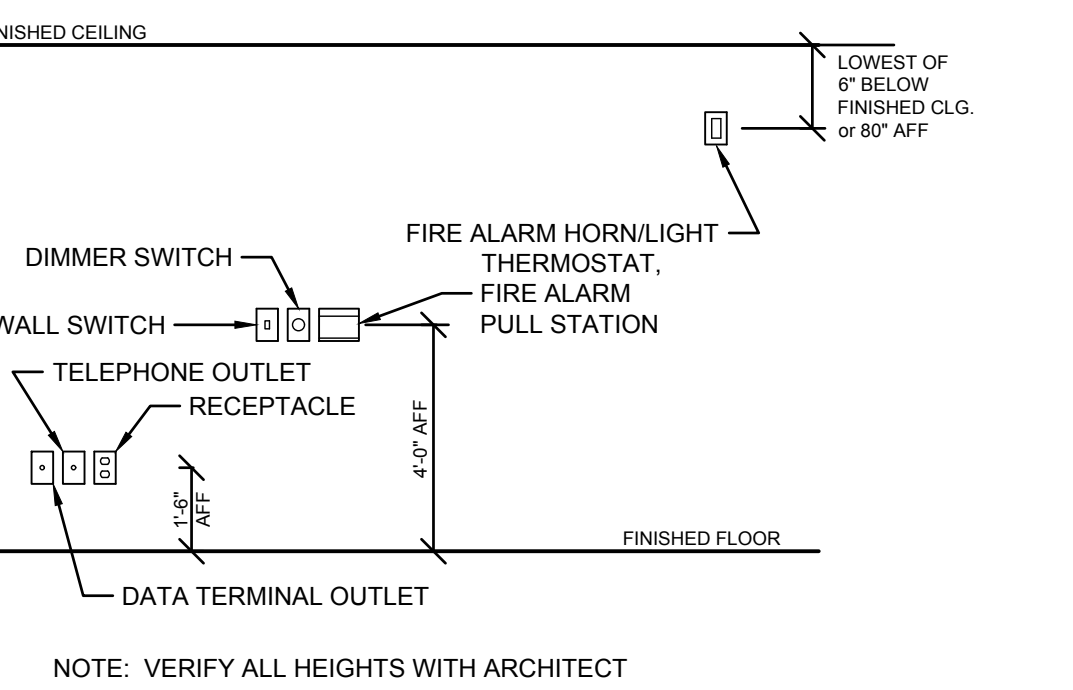
- NOTES:**
- PROVIDE INTEGRAL MOUNTED SURGE PROTECTION DEVICE (SPD) 80KA. MODES: L-L, L-G, L-N, N-G



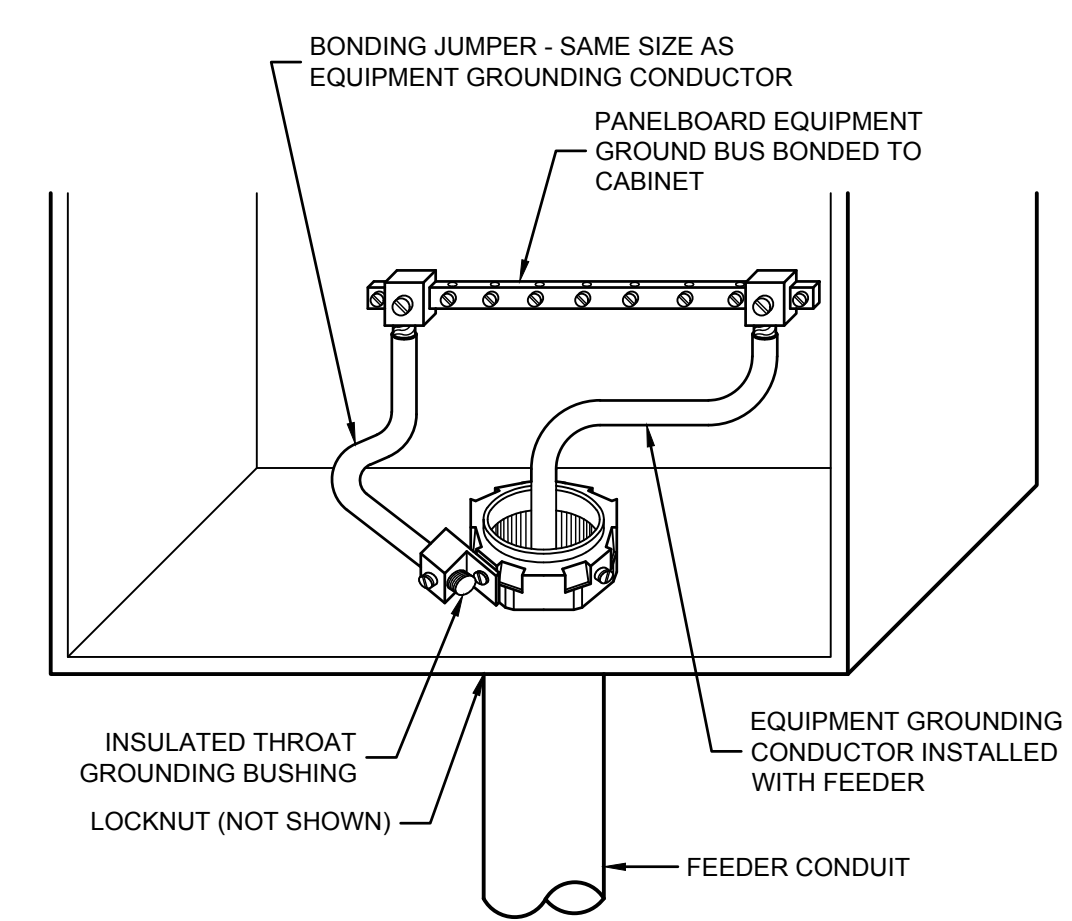
WIRING DEVICE MOUNTING HEIGHT
NO SCALE



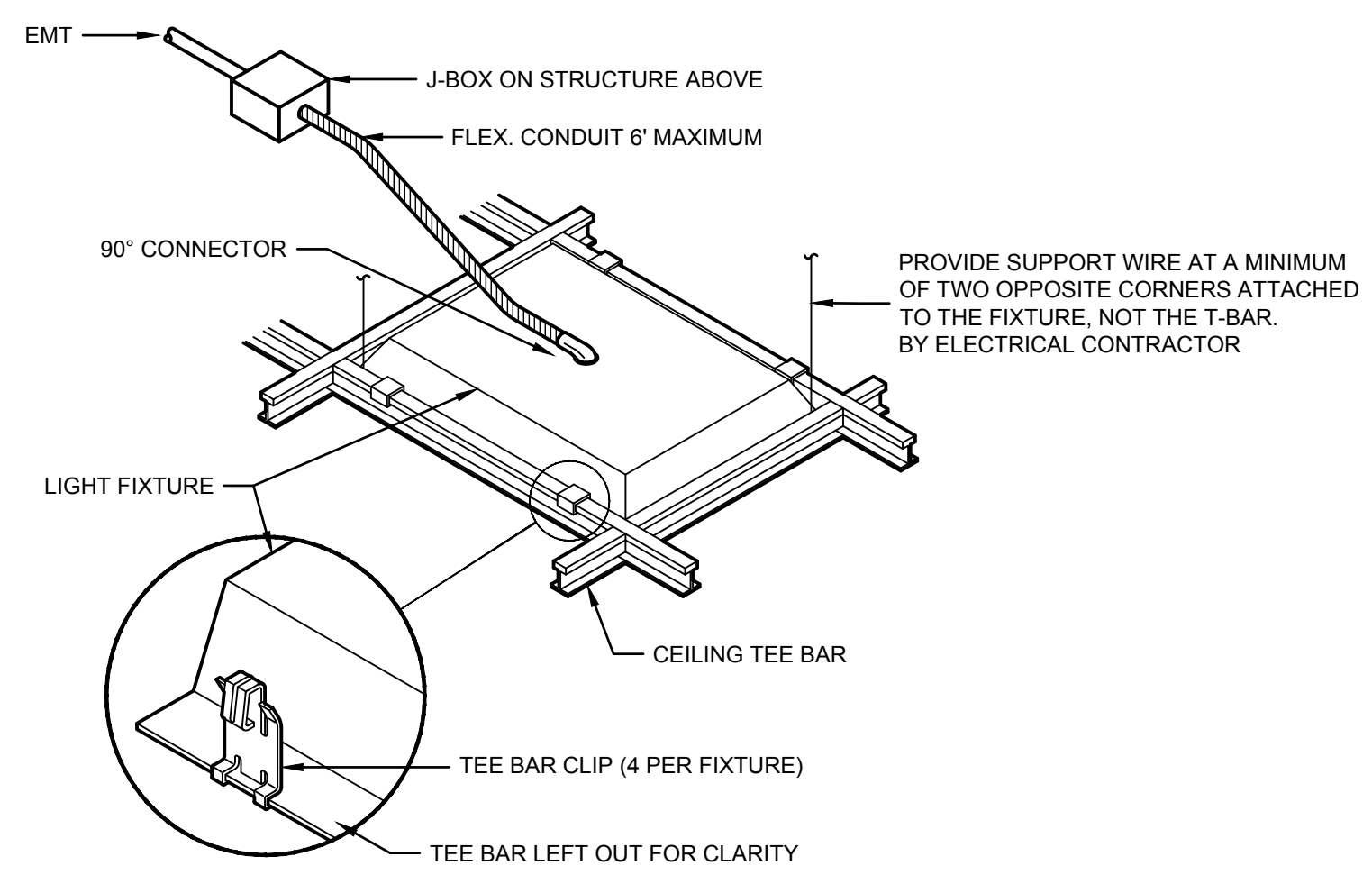
MULTI-GANG OUTLET BOX DETAIL
NO SCALE



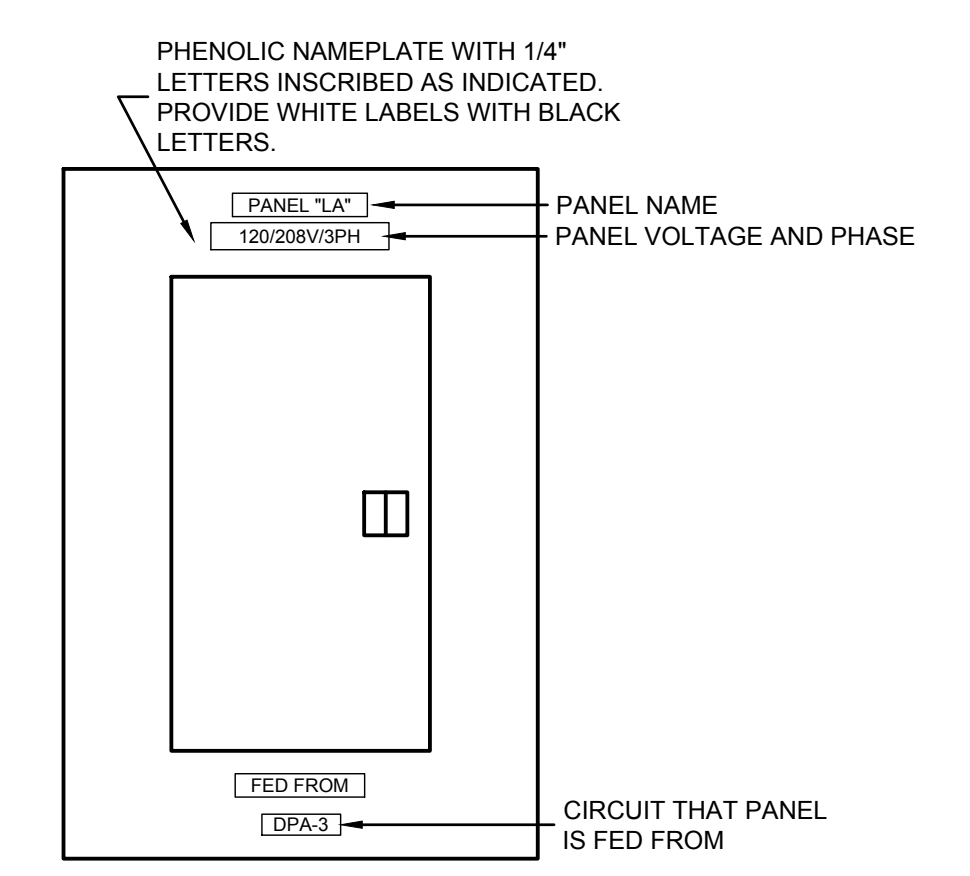
WIRING DEVICE MOUNTING HEIGHTS - TYPICAL
NO SCALE



PANELBOARD BONDING DETAIL
NO SCALE



LAY-IN LIGHT FIXTURE DETAIL
NO SCALE



PANEL IDENTIFICATION DETAIL
NO SCALE

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