

Crawford Memorial Hospital

CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street

Robinson, IL 62454

LOCATION MAP



PROJECT IMAGE



PROFESSIONAL REGISTRATIONS

<div><div><div></div><div>DAVID G. BURNISON</div><div>001-018221</div><div>STATE OF ILLINOIS</div></div><div><div>THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF ILLINOIS.</div><div>SIGNATURE: <i>David G. Burnison</i></div><div>NAME: DAVID G. BURNISON</div><div>DATE: 1/15/2021</div><div>LICENSE RENEWAL DATE: 11/30/2022</div><div>PAGES OR DIVISIONS COVERED:</div><div>GENERAL, ARCHITECTURAL, INTERIORS</div></div></div>	<div><div><div></div><div>PATRICK J. MOONE</div><div>#062-049972</div><div>REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS</div></div><div><div>THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION. I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.</div><div>SIGNATURE: <i>Patrick J. Moone</i></div><div>NAME: PATRICK J. MOONE</div><div>DATE: 1/14/2021</div><div>LICENSE RENEWAL DATE: 11/30/2021</div><div>PAGES OR DIVISIONS COVERED:</div><div>CIVIL</div></div></div>	<div><div><div></div><div>ADRIENNE K. COUSSENS</div><div>081008081</div><div>STATE OF ILLINOIS</div></div><div><div>THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION. I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.</div><div>SIGNATURE: <i>Adrienne K. Coussens</i></div><div>NAME: ADRIENNE K. COUSSENS</div><div>DATE: 1/15/2021</div><div>LICENSE RENEWAL DATE: 11/30/2022</div><div>PAGES OR DIVISIONS COVERED:</div><div>STRUCTURAL</div></div></div>	<div><div><div></div><div>DUSTIN R. RHOADES</div><div>082-048824</div><div>STATE OF ILLINOIS</div></div><div><div>THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION. I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.</div><div>SIGNATURE: <i>Dustin R. Rhoades</i></div><div>NAME: DUSTIN R. RHOADES</div><div>DATE: 01/14/2021</div><div>LICENSE RENEWAL DATE: 11/30/2021</div><div>PAGES OR DIVISIONS COVERED:</div><div>MECHANICAL, PLUMBING, FIRE PROTECTION</div></div></div>	<div><div><div></div><div>JAY D. EMAN</div><div>082-048824</div><div>STATE OF ILLINOIS</div></div><div><div>THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION. I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.</div><div>SIGNATURE: <i>Jay D. Eman</i></div><div>NAME: JAY D. EMAN</div><div>DATE: 1/15/2021</div><div>LICENSE RENEWAL DATE: 11/30/2021</div><div>PAGES OR DIVISIONS COVERED:</div><div>ELECTRICAL</div></div></div>
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NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

[illegible]

A. REFER TO LIFE SAFETY SHEETS FOR LIFE SAFETY INFORMATION.

THE FOLLOWING SYSTEMS ARE A DESIGN/BUILD RESPONSIBILITY OF THE CONTRACTOR OR PRODUCT MANUFACTURER AND WILL REQUIRE THE DEFERRED SUBMITTAL OF DESIGN WORK TO THE CITY OF ANYWHERE FOR PLAN REVIEW AND PERMITTING:

-

REFERENCE SECTION 01 3200 OF THE PROJECT MANUAL FOR THE BID ALTERNATES TO

A. REFER TO GENERAL INFORMATION SHEETS FOR SYMBOLS AND ABBREVIATIONS

GENERAL

STRUCTURALARCHITECTURAL

INTERIORS

FIRE PROTECTION

ELECTRICAL

Farnsworth

GROUP

REVIEWED:	MONTHS

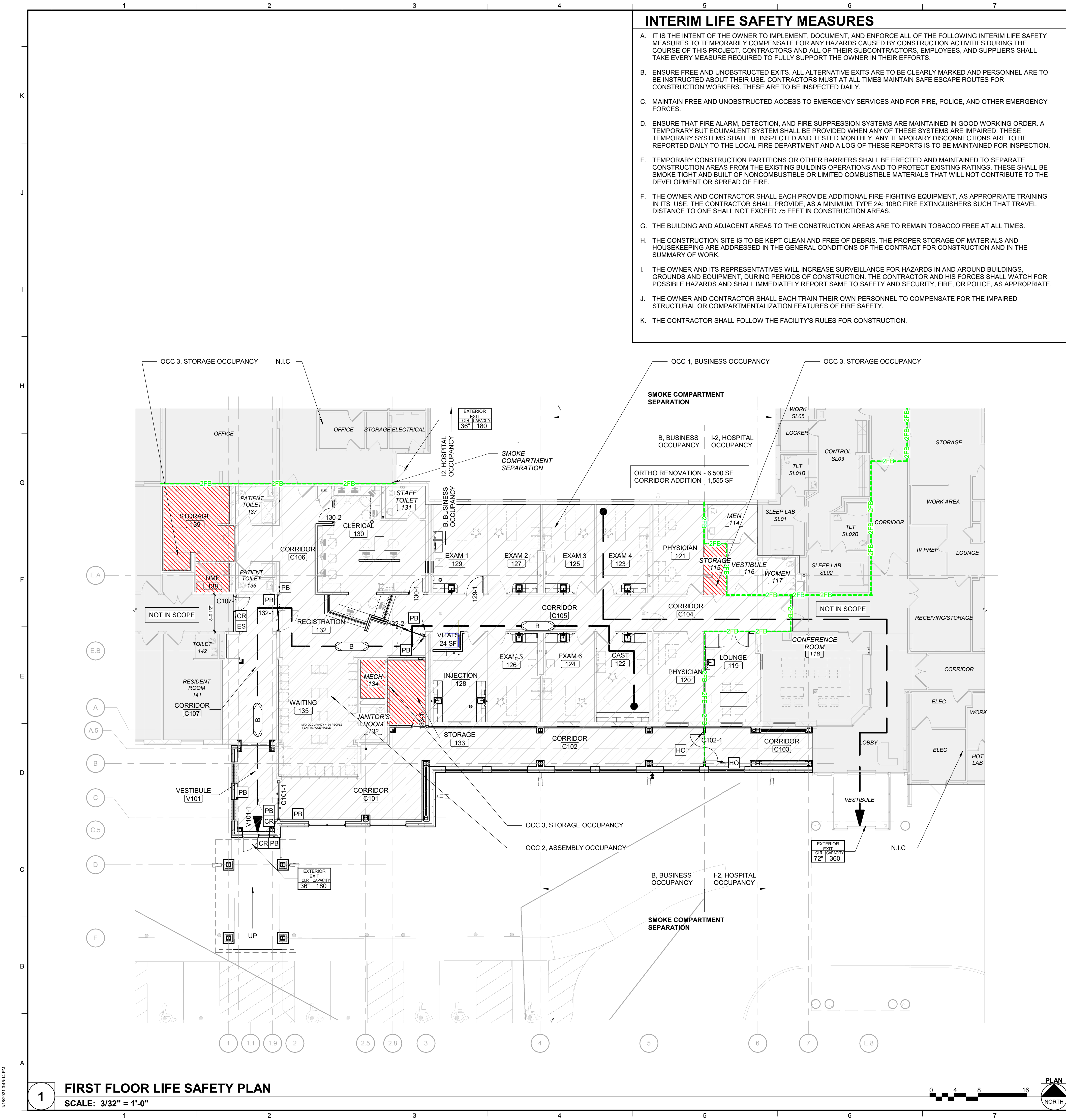
GENERAL

PROJECT NO.: 0200707.00



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

A horizontal number line with a single tick mark labeled '1'.



1/18/2021 1:05:14 PM

1 FIRST FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

INTERIM LIFE SAFETY MEASURES

- A. IT IS THE INTENT OF THE OWNER TO IMPLEMENT, DOCUMENT, AND ENFORCE ALL OF THE FOLLOWING INTERIM LIFE SAFETY MEASURES TO TEMPORARILY COMPENSATE FOR ANY HAZARDS CAUSED BY CONSTRUCTION ACTIVITIES DURING THE COURSE OF THIS PROJECT. CONTRACTORS AND ALL OF THEIR SUBCONTRACTORS, EMPLOYEES, AND SUPPLIERS SHALL TAKE EVERY MEASURE REQUIRED TO FULLY SUPPORT THE OWNER IN THEIR EFFORTS.
- B. ENSURE FREE AND UNOBSTRUCTED EXITS; ALL ALTERNATIVE EXITS ARE TO BE CLEARLY MARKED AND PERSONNEL ARE TO BE INSTRUCTED ABOUT THEIR USE. CONTRACTORS MUST AT ALL TIMES MAINTAIN SAFE ESCAPE ROUTES FOR CONSTRUCTION WORKERS. THESE ARE TO BE INSPECTED DAILY.
- C. MAINTAIN FREE AND UNOBSTRUCTED ACCESS TO EMERGENCY SERVICES AND FOR FIRE, POLICE, AND OTHER EMERGENCY FORCES.
- D. ENSURE THAT FIRE ALARM, DETECTION, AND FIRE SUPPRESSION SYSTEMS ARE MAINTAINED IN GOOD WORKING ORDER. A TEMPORARY BUT EQUIVALENT SYSTEM SHALL BE PROVIDED WHEN ANY OF THESE SYSTEMS ARE IMPAIRED. THESE TEMPORARY SYSTEMS SHALL BE INSPECTED AND TESTED MONTHLY. ANY TEMPORARY DISCONNECTIONS ARE TO BE REPORTED DAILY TO THE LOCAL FIRE DEPARTMENT AND A LOG OF THESE REPORTS IS TO BE MAINTAINED FOR INSPECTION.
- E. TEMPORARY CONSTRUCTION PARTITIONS OR OTHER BARRIERS SHALL BE ERRECTED AND MAINTAINED TO SEPARATE CONSTRUCTION AREAS FROM THE EXISTING BUILDING OPERATIONS AND TO PROTECT EXISTING RATINGS. THESE SHALL BE SMOKE TIGHT AND BUILT OF NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS THAT WILL NOT CONTRIBUTE TO THE DEVELOPMENT OR SPREAD OF FIRE.
- F. THE OWNER AND CONTRACTOR SHALL EACH PROVIDE ADDITIONAL FIRE-FIGHTING EQUIPMENT, AS APPROPRIATE TRAINING IN ITS USE. THE CONTRACTOR SHALL PROVIDE, AS A MINIMUM, TYPE 2A: 10BC FIRE EXTINGUISHERS SUCH THAT TRAVEL DISTANCE TO ONE SHALL NOT EXCEED 75 FEET IN CONSTRUCTION AREAS.
- G. THE BUILDING AND ADJACENT AREAS TO THE CONSTRUCTION AREAS ARE TO REMAIN TOBACCO FREE AT ALL TIMES.
- H. THE CONSTRUCTION SITE IS TO BE KEPT CLEAN AND FREE OF DEBRIS. THE PROPER STORAGE OF MATERIALS AND HOUSEKEEPING ARE ADDRESSED IN THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AND IN THE SUMMARY OF WORK.
- I. THE OWNER AND ITS REPRESENTATIVES WILL INCREASE SURVEILLANCE FOR HAZARDS IN AND AROUND BUILDINGS, GROUNDS AND EQUIPMENT, DURING PERIODS OF CONSTRUCTION. THE CONTRACTOR AND HIS FORCES SHALL WATCH FOR POSSIBLE HAZARDS AND SHALL IMMEDIATELY REPORT SAME TO SAFETY AND SECURITY, FIRE, OR POLICE, AS APPROPRIATE.
- J. THE OWNER AND CONTRACTOR SHALL EACH TRAIN THEIR OWN PERSONNEL TO COMPENSATE FOR THE IMPAIRED STRUCTURAL OR COMPARTMENTALIZATION FEATURES OF FIRE SAFETY.
- K. THE CONTRACTOR SHALL FOLLOW THE FACILITY'S RULES FOR CONSTRUCTION.

CODE INFORMATION

PROPOSED USE:
OWNED BY:
■ PRIVATE
LOCAL GOVERNMENT
CITY/COUNTY
STATE

CODE ENFORCEMENT JURISDICTION:
■ CITY
COUNTY:

APPLICABLE CODES:
2012 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2012 INTERNATIONAL MECHANICAL CODE
2014 NATIONAL ELECTRIC CODE - 70
2012 NFPA 101, LIFE SAFETY CODE
2018 ILLINOIS ACCESSIBILITY CODE
2014 ILLINOIS PLUMBING CODE

GENERAL CODE INFORMATION:
CONSTRUCTION TYPE: TYPE (I) (332)
PRIMARY OCCUPANCY: B
SECONDARY OCCUPANCY: N/A

■ NEW CONSTRUCTION
■ RENOVATION (EXISTING BLDG)
■ MIXED CONSTRUCTION
■ SPRINKLERED
MEZZANINE
MIXED OCCUPANCY

LIFE SAFETY GENERAL NOTES

- A. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND PARKING CONFIGURATIONS. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY.
- B. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.
- C. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS.
- D. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.
- E. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- F. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY.
- G. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR LOCATION, TYPE OF CONSTRUCTION, PENETRATING ITEM AND RATING REQUIRED.
- H. ALL DUCTWORK, DIFFUSERS, GRILLES, LIGHT FIXTURES, AND ELECTRICAL DEVICES PENETRATING FIRE-RATED OR SMOKE RESISTANT WALLS, CEILINGS, AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED. ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY AND SHALL BE INSTALLED SUCH THAT THE FIRE/SMOKE RATING IS NOT COMPROMISED. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS THAT MAY NOT BE SHOWN HERE.
- I. SMOKE RESISTANT CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES. AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING AND BE OF CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF ASSEMBLY ABOVE. DOORS SHALL BE SELF OR AUTOMATIC CLOSING. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF CLEARANCE PERMITTED WITH ACCORDANCE TO NFPA 80.

DOOR LEGEND

REMARKS:
CR CARD READER
ES ELECTRIC STRIKE
HO HOLD OPEN
PB PUSH BUTTON FOR AUTO DOOR OPERATOR

EGRESS INFORMATION	ALLOWABLE	ACTUAL
GROSS BUILDING AREA (OUTSIDE FACE WALLS)	UL SF PER STORY, 4 STORIES	RENOVATION = 6,500 SF ADDITION = 1,555 SF TOTAL = 8,055 SF
BUILDING HEIGHT	55'-0" MAXIMUM	15'-10" MAXIMUM
OCCUPANT LOAD (per IBC TABLE 1004.1)		OCC 1, BUSINESS = 7,050 GSF/100 = 71 PPL OCC 2, ASSEMBLY = 453 GSF/15 = 31 PPL OCC 3, STORAGE = 552 GSF/300 = 2 PPL TOTAL OCCUPANCY = 104 PEOPLE
OCCUPANT LOAD (per NFPA 101)		OCC 1, BUSINESS = 7,050 GSF/100 = 71 PPL OCC 2, ASSEMBLY = 453 GSF/15 = 31 PPL OCC 3, STORAGE = 552 GSF/300 = 2 PPL TOTAL OCCUPANCY = 104 PEOPLE
EGRESS WIDTH (per IBC 1005.1)	EXIT DOORS = 33"(0.20) = 165 PPL EXIT DOORS = 73"(0.20) = 365 PPL	EXIT DOORS = 36"(0.20) = 180 PPL EXIT DOORS = 72"(0.20) = 360 PPL
COMMON PATH OF TRAVEL (per IBC Table 1014.3)	100'-0" MAXIMUM	23'-9" MAXIMUM
EXIT ACCESS TRAVEL (per IBC TABLE...)	300'-0" MAXIMUM DISTANCE	162'-9" MAXIMUM DISTANCE
DEAD-END CORRIDOR...	50'-0" MAXIMUM	-
REQUIRED # OF EXITS (per IBC 1015.1)	1 EXIT REQUIRED IF UNDER 49 TOTAL OCCUPANTS	3 EXIT(S) PROVIDED

PLUMBING CODE REVIEW		
FIXTURE	MALE	FEMALE
WATER CLOSETS	2	2
URINALS	-	N/A
LAVATORIES	2	2
DRINKING FOUNTAINS	1 PER 75	
SERVICE SINKS	1 PER FLOOR	

BUSINESS OCCUPANCY, 200 SF PER PERSON
- 8,262 SF / 200 SF PER PERSON = 42 OCCUPANTS
- 21 MALE / 21 FEMALE
- 2 WATER CLOSETS REQUIRED PER GENDER
- 2 LAVATORIES REQUIRED PER GENDER
- 1 DRINKING FOUNTAIN

EGRESS PATH "A"		
PATH ID		LENGTH
A		114' - 0"
A	(COMMON)	23' - 9"
TOTAL PATH LENGTH		137' - 9"

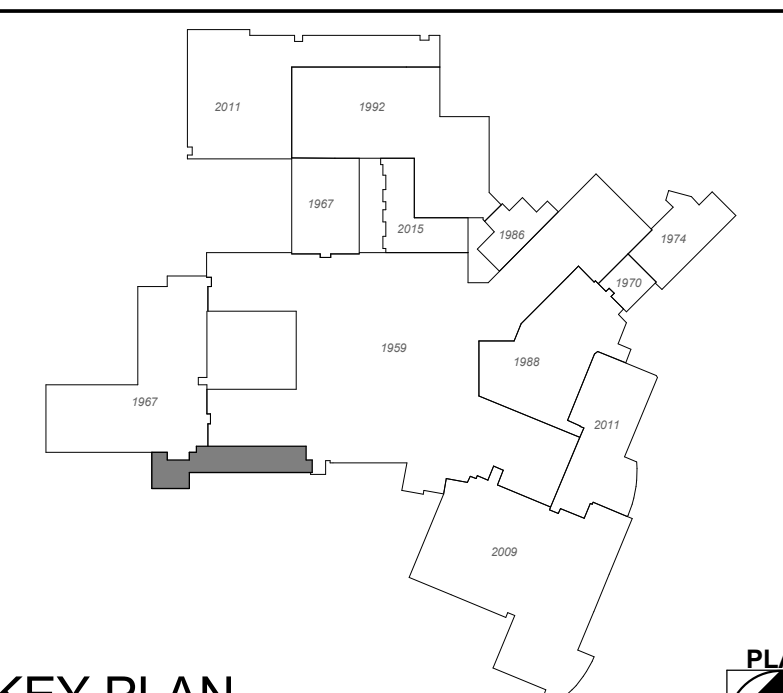
EGRESS PATH "B"		
PATH ID		LENGTH
B		139' - 10"
B	(COMMON)	22' - 11"
TOTAL PATH LENGTH		162' - 9"

LIFE SAFETY LEGEND

- FIRE RATINGS**
- SP NON-RATED SMOKE PARTITION WALL
 - FB 1 HOUR FIRE BARRIER WALL
 - FP 1 HOUR FIRE PARTITION WALL
 - SB 1 HOUR SMOKE BARRIER WALL
 - 2FB 2 HOUR FIRE BARRIER WALL
- EGRESS**
- TRAVEL DISTANCE TO AN EXIT
 - COMMON PATH OF TRAVEL
 - DEAD END CORRIDOR
 - SMOKE COMPARTMENT TRAVEL
 - EGRESS PATH TAG

- EXIT IDENTIFICATION
- CR CARD READER (CONTROLLED ACCESS) - ALWAYS UNLOCKED IN DIRECTION OF EGRESS
 - DE DELAYED EGRESS
 - PB PUSH BUTTON
 - WA WAVE ACTUATOR

- MISCELLANEOUS**
- FEC FIRE EXTINGUISHER CABINET
 - FEB FIRE EXTINGUISHER BRACKET
 - HAZARDOUS LOCATION
 - OCCUPANCY 1
 - OCCUPANCY 2
 - OCCUPANCY 3



KEY PLAN

SCALE: NOT TO SCALE



Farnsworth
GROUP

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(309) 663-8436 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:

Bid Set
01/15/2021

PROJECT:
Crawford Memorial Hospital

CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:

FIRST FLOOR LIFE SAFETY PLAN

SHEET NUMBER:

LS1.1

PROJECT NO.: 0200707.00

GENERAL NOTES

PROJECT SPECIFICATIONS AND STANDARDS

- SITE CONSTRUCTION FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
- A. "IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION", CURRENT EDITION.
 - B. "IDOT DRAINAGE MANUAL"
 - C. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - D. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT YEAR EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - E. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION
 - F. CITY OF ROBINSON STANDARDS.

DEMOLITION NOTES (SHEET C1.0)

- THE EXISTING TOPOGRAPHIC INFORMATION INDICATED FOR THIS PROJECT IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY FARNSWORTH GROUP, INC. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TOPOGRAPHIC INFORMATION INDICATED ON THE DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING TOPOGRAPHIC INFORMATION ABOVE OR BELOW GROUND, SHOWN OR NOT SHOWN, PRIOR TO CONSTRUCTION. DISCREPANCIES IN EXISTING TOPOGRAPHIC DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR REVIEW.
- CONTRACTOR SHALL NOTIFY AND COORDINATE UTILITY ABANDONMENTS AND RELOCATIONS WITH APPROPRIATE UTILITY COMPANY AFFECTED AS MAY BE NECESSARY. SEE COVER SHEET FOR CONTACT LISTINGS OF LOCAL UTILITIES.
- CONTRACTORS SHALL CONTACT J.U.L.I.E. AT 1-800-892-0123 AND LOCAL UTILITY PROVIDERS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OR EXCAVATION FOR FIELD LOCATION OF BURIED UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES AND HAVING ALL UNDERGROUND UTILITIES PROPERLY LOCATED PRIOR TO ANY DEMOLITION.
- UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. DUE TO THE AGE OF THE SITE, UNKNOWN UTILITIES MAY BE DISCOVERED AND SHOULD BE REPORTED TO THE ENGINEER.
- CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES INDICATED WITHIN THE PROPOSED BUILDING FOOTPRINTS, AND BACKFILL WITH APPROVED GRANULAR MATERIAL.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OTHER AREAS ADJACENT TO NEW CONSTRUCTION OR AREAS WHERE VARIOUS SYSTEM CONNECTIONS OR EXTENSIONS ARE REQUIRED.
- TEMPORARY BARRICADES PERTAINING TO THE CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PEDESTRIANS IN AND AROUND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS.
- PRIOR TO ANY DEMOLITION TAKING PLACE, PERIMETER EROSION CONTROL MEASURES MUST BE IN PLACE. SEE SHEET C5.0
- NO BURNING OR BURYING OF ANY DEMOLITION MATERIAL IS PERMITTED ON SITE.
- DAMAGED OR BROKEN INLETS, CATCH BASINS, AND MANHOLES ARE TO BE REPLACED.
- COORDINATE DEMOLITION OF THE EXISTING PAVEMENTS WITHIN THE SITE LIMITS. ACCESS IS TO BE MAINTAINED DURING CONSTRUCTION OF THE PROJECT WITH THE OWNER.

STANDARD LAYOUT NOTES (SHEET C2.0)

- ALL PAVEMENT DIMENSIONS ARE MEASURED TO FACE OF CURB.
- WHERE APPLICABLE, COORDINATES ARE TO FACE OF CURB.
- BUILDING DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT'S PLANS PRIOR TO STARTING SITEWORK.
- ALL PAVEMENT STRIPING SHALL BE 4" WHITE PAVEMENT MARKING LINE, 300 FEET PER GALLON MINIMUM.
- SPECIFICATIONS ADOPTED BY REFERENCE IN THESE PLANS REFER TO THE LATEST PUBLISHED REVISION THEREOF.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION, NOR SAFETY ON THE JOB SITE, NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER NOR THE PRESENCE OF THE ENGINEER AT A CONSTRUCTION SITE SHALL RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING ANY HEALTH AND SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES.

UTILITY NOTES (SHEET C3.0)

- VERIFY EXISTING UTILITY INVERTS PRIOR TO STARTING SITEWORK.

UTILITY CONTACTS

- | | |
|---|---|
| A. ELECTRIC
VILLAGE OF RANTOUL
ATTN: GREG HAZEL
200 WEST GROVE
RANTOUL, ILLINOIS 61866
PH: 217.892.2178 | D. CABLE / TELEPHONE
FRONTIER COMMUNICATIONS
ATTN: JOE BIRCH
212 E. GROVE AVENUE
RANTOUL, ILLINOIS 61866
PH: 217.892.3338 |
| B. WATER
VILLAGE OF RANTOUL
ATTN: TROY SISK
101 BELLE AVENUE
RANTOUL, ILLINOIS 61866 | E. MEDIACOM
1251 E. GROVE AVENUE
RANTOUL, ILLINOIS 61866
PH: 800.874.2991 |
| C. SANITARY SEWER
VILLAGE OF RANTOUL
1625 EAST GROVE
RANTOUL, ILLINOIS 61866
PH: 217.982.2762 | F. RANTOUL FIRE DEPARTMENT
RANTOUL FIRE DEPARTMENT
ATTN: KEN WATERS
333 SOUTH TANNER
RANTOUL, ILLINOIS 61866
PH: 217.892.8401 |

APPLICABLE CODES

ILLINOIS ACCESSIBILITY CODE
ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION

BENCHMARK

BENCHMARK #103

NORTHEAST BOLT CAP ON FIRE HYDRANT BY OIL FILL, LOCATED IN LANDSCAPE CIRCLE IN NORTHWEST CORNER OF SITE. ELEV=551.04

GRADING & EROSION CONTROL NOTES (SHEET C3.0)

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES AND HAVING ALL UNDERGROUND UTILITIES PROPERLY CALL THE TOLL-FREE J.U.L.I.E. TELEPHONE NUMBER, 1-800-892-0123, BEFORE STARTING LOCATED PRIOR TO ANY CONSTRUCTION. EXCAVATION. ALLOW 48 HOURS FOR OTHER THAN EMERGENCY ASSISTANCE.
- ALL FILL AREAS SHALL BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACING EMBANKMENT MATERIAL. LAWN AREAS THAT HAVE RECEIVED EMBANKMENT MATERIAL SHALL RECEIVE AT LEAST 6" OF TOPSOIL AS THE FINAL COURSE OF FILL IN PREPARATION FOR SEEDING OPERATIONS. ALL LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE OWNER.
- EMBANKMENT MATERIAL SHALL BE PLACED IN NO MORE THAN 8" LIFTS AND SHALL BE COMPACTED IN ACCORDANCE WITH SOILS REPORT.
- TEMPORARY SILTATION PROTECTION SHALL BE CONSTRUCTED AS SILT FILTER BASKETS IN ALL EXISTING AND PROPOSED INLETS AND MANHOLES AND SILT FILTER FENCE WHERE INDICATED ON THE PLANS TO PROTECT FROM SILTATION ONTO ADJACENT PROPERTY AND ROADWAYS.
- PERMANENT STABILIZATION SHALL INCLUDE THE SEEDING OR SODDING OF LAWN AREAS DISTURBED AND PAVED SURFACE COURSE FOR ROADWAYS AND PARKING. ALL PERMANENT SEEDING SHALL TAKE PLACE IMMEDIATELY FOLLOWING FINAL GRADING OPERATIONS IN ANY COMPLETED AREA WITHIN THE CONSTRUCTION LIMITS.
- NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL TRASH AND CONSTRUCTION DEBRIS WILL BE HAULED TO THE LOCAL MUNICIPAL DUMP AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL SOLID WASTE MANAGEMENT REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE SOLID WASTE COLLECTION DURING CONSTRUCTION TO MINIMIZE POLLUTION.
- ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. THE OWNER WILL BE RESPONSIBLE FOR MAINTAINING THESE PROCEDURES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE DETAIL INCLUDED WITH THESE PLANS AT LOCATIONS INDICATED ON THE PLANS TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ANY EXCESS MUD, DIRT OR ROCK TRACKED ONTO EXISTING STREETS WILL BE CHECKED FOR DAILY AND REMOVED AS NECESSARY.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ILLINOIS EPA AND THE PROJECT STORM WATER POLLUTION PLAN.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED ON THE FIRST DAY OF CONSTRUCTION ACTIVITIES. ALL BARE SOIL SURFACES NOT IN MAJOR CONSTRUCTION AREAS SHALL BE TEMPORARILY SEEDED WITHIN 7 DAYS. WEATHER AND SOIL CONDITIONS PERMITTING. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM WEEKLY, AND AFTER RAINFALL EVENTS. DEFICIENCIES SHALL BE NOTED AND CORRECTED IMMEDIATELY.
- PERMANENT GROUND COVER SHALL BE IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS BOOK.
- THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT AND AVAILABLE FROM OWNER.
- ADDITIONAL EROSION CONTROL REQUIREMENTS ARE INDICATED IN THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.
- AREAS HAVING SLOPES GREATER THAN 25% SHALL BE STABILIZED IN ACCORDANCE WITH ONE OF THE FOLLOWING TWO METHODS:
 - SODDING
 - EROSION CONTROL BLANKET SHALL BE 100% STRAW WITH LIGHTWEIGHT PHOTOGRAPHER POLYPROPYLENE THREAD WITH STITCHING 1.5 INCHES ON CENTER. MATERIAL SHALL MEET FHWA FP-03 CATEGORIES, TYPE 2,C SHORT-TERM (UP TO 12 MONTHS) EQUAL TO S75 AS MANUFACTURED BY NORTH AMERICAN GREEN, EVANSVILLE, INDIANA OR APPROVED EQUAL. EROSION CONTROL BLANKET SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL CATCH BASIN GRATES SHALL BE BICYCLE / PEDESTRIAN SAFE.
- UNLESS NOTED OTHERWISE, ALL STORM SEWER SHALL BE IN CONFORMANCE WITH EITHER OF THE FOLLOWING:
 - RCP
 - PIPE MATERIAL - REINFORCED CONCRETE PIPE
 - GASKETS - FLEXIBLE RUBBER OR BITUMINOUS MASTIC
 - BEDDING - IDOT GRADATION CA-6 OR CA-7
- OR
- ADS N-12
- PIPE & MATERIAL - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE) OR APPROVED EQUIVALENT.
- JOINTS - AASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "O-RINGS" GASKET JOINTS MEETING ASTM F-477.
- INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.
- INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS I, II OR III.
- GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCP STORM SEWER.
- ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.

- ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE MAINTAINED IN SERVICE AND BE REPLACED WITH HDPE OR PVC PIPE STORM SEWER OF APPROPRIATE SIZE AND SLOPE.
- REFER TO THE PROJECT GEOTECHNICAL REPORT FOR EARTHWORK RECOMMENDATIONS FOR COMPACTION.

PORTLAND CEMENT CONCRETE PAVEMENT NOTES

- PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 420 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE CONCRETE PAVEMENT CONSTRUCTION NOTES AND DETAILS CONTAINED IN THESE PLANS.
- THE SUBGRADE FOR PAVEMENTS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 301 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE NOTES AND DETAILS CONTAINED IN THESE PLANS.
- PORTLAND CEMENT CONCRETE SHALL BE A MINIMUM OF SIX (6) BAG MIX, WITH FIVE PERCENT (5%) TO EIGHT PERCENT (8%) ENTRAINED AIR. THE CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN FOURTEEN (14) DAYS OF 3,500 P.S.I. THE MAXIMUM SLUMP SHALL BE THREE (3) INCHES, FOR MACHINE PLACED PAVEMENT. 3/4" INCHES FOR VIBRATORY SCREED PLACED PAVEMENT, AND FOUR (4) INCHES FOR SMALL AREAS (LESS THAN 25 SQ. FT.) OF HAND PLACED PAVEMENT. MINIMUM SLUMP SHALL BE TWO (2) INCHES. FAILURE TO MEET ANY OF THESE REQUIREMENTS SHALL BE CAUSE FOR REJECTION OF THE CONCRETE.
- PORTLAND CEMENT CONCRETE MIX DESIGN AND PRIOR TEST PERFORMANCE REPORTS FOR THE MIX DESIGN, SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR APPROVAL. APPROVAL OF THE MIX DESIGN DOES NOT RELIEVE THE CONTRACTOR OF HIS DUTY TO PROVIDE CONCRETE MEETING ALL APPLICABLE REQUIREMENTS.
- ALL STICKS, ROOTS, TOPSOIL, AND ORGANIC MATERIALS SHALL BE REMOVED FROM THE SUBGRADE. ALL SPONGY AREAS IN THE SUBGRADE SHALL BE REMOVED AND REPLACED WITH COMPACTED AGGREGATE OR CLAY MATERIAL SUITABLE TO THE ENGINEER.
- NEEDED FILL BENEATH PAVEMENTS SHALL BE CLAY FROM ON SITE SOURCES OR CRUSHED STONE AGGREGATE CONFORMING TO CA-6 OR CA-10 GRADATION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

PORTLAND CEMENT CONCRETE PAVEMENT NOTES

















































- THE SUBGRADE SHALL BE MECHANICALLY COMPACTED TO 95 PERCENT OF THE STANDARD PROCTOR DENSITY. THE PAVEMENT SUBGRADE SHALL HAVE SUFFICIENT STABILITY TO ACCOMMODATE CONSTRUCTION TRAFFIC WITHOUT EXCESSIVE SUBGRADE RUTTING OR SHOVING. AT THE TIME OF PLACEMENT OF PAVEMENT, THE IN-SITU SUBGRADE SHALL HAVE A CALIFORNIA BEARING RATIO (CBR) OF AT LEAST SIX (6) IN THE TOP TWELVE (12) INCHES OF SUBGRADE. THE CBR VALUE WILL BE ASCERTAINED BY USE OF THE DYNAMIC CONE PENETROMETER (DCP) WITH ONE TEST EVERY 100 FEET OF ROADWAY WITH TESTS ALTERNATING BETWEEN TRAFFIC LANES.
- AGGREGATE BASE COURSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 351 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE NOTES AND DETAILS CONTAINED IN THESE PLANS. THE AGGREGATE BASE COURSE SHALL BE CA-6 OR CA-10, CRUSHED AGGREGATE MATERIALS SHALL BE PLACED TO THE THICKNESS SHOWN IN THE PLANS. RECYCLED OR CRUSHED ASPHALT THAT HAS BEEN PROCESSED AND SCREENED AND WHICH MEETS CA-6 GRADUATION REQUIREMENTS MAY ALSO BE UTILIZED. THE AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR DENSITY.
- THE SUBGRADE SHALL BE TEST ROLLED AND APPROVED IN ACCORDANCE WITH THE FOLLOWING PROCEDURE. TRUCKS SHALL BE LOADED AS FOLLOWS: 27,000 POUNDS ON TWO (2) AXLES OR 45,000 POUNDS ON THREE (3) AXLES WITH THE TOLERANCE NOT TO EXCEED TEN PERCENT (10%). THE TRUCK SHALL MAKE PARALLEL PASSES ALONG EACH LANE OF STREET OR PARKING SUBGRADE AT DISTANCES AS DIRECTED BY THE ENGINEER AND NOT TO EXCEED TEN (10) FEET APART. ANY AREAS WHICH SHOW RUTTING, CRACKING, OR ROLLING OF THE COMPACTED SUBGRADE UPON TEST ROLLING WILL NOT BE ACCEPTED. THE AREAS THAT FAIL SHALL BE RECONSTRUCTED AND TEST ROLLED AGAIN PRIOR TO ACCEPTANCE. THE VILLAGE ENGINEER SHALL BE PRESENT DURING PROOF ROLL TESTING.
- FORMS WHEN USED, SHALL BE SET TRUE TO LINE AND GRADE AND SHALL BE CHECKED BY THE OWNER'S REP OR ENGINEER PRIOR TO PLACEMENT OF CONCRETE. GRADING IS CRITICAL TO ENSURE PROPER DRAINAGE. IF THE ELEVATION OF ANY PORTLAND CEMENT CONCRETE IMPROVEMENT VARIES FROM THAT SHOWN ON THE PLANS OR STAKED BY THE ENGINEER BY MORE THAN FOUR-HUNDRETHS (0.04) OF A FOOT, OR IF AN AREA IS NOT PROPERLY DRAINED, THE CONTRACTOR SHALL REMOVE AND REPLACE SUFFICIENT PAVEMENT TO CORRECT THE DEFECT.
- THE PAVEMENT THICKNESS SPECIFIED OR SHOWN ON THE DRAWINGS SHALL BE THE MINIMUM ALLOWABLE. PAVEMENT WITH LESS THAN THE MINIMUM THICKNESS SHALL BE REMOVED AND REPLACED.
- NO MORE THAN 1/2 GALLON OF WATER FOR EVERY CUBIC YARD OF PORTLAND CEMENT CONCRETE MAY BE ADDED ON SITE.
- COAT FORM CONTACT SURFACES WITH FORM COATING COMPOUND BEFORE PLACING REINFORCEMENT OR TIE BARS. DO NOT ALLOW EXCESS FORM COATING MATERIAL TO ACCUMULATE IN THE FORMS OR COME INTO CONTACT WITH SURFACES WHICH WILL BE BONDED TO FRESH CONCRETE. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION. COAT STEEL FORMS WITH NONSTAINING RUST PREVENTATIVE FORM OIL OTHERWISE PROTECT AGAINST RUSTING. RUST STAINED STEEL FORMWORK IS NOT ACCEPTABLE.
- MOISTEN THE SUBGRADE BEFORE PLACING CONCRETE PAVEMENTS.
- ALL CONCRETE USED FOR PAVEMENT CONSTRUCTION SHALL BE VIBRATED WITH A MECHANICAL CONCRETE VIBRATOR FOR CONSOLIDATION TO REMOVE VOIDS AND AIR POCKETS.
- PAVEMENTS AND CURBS WHICH ARE POURED AND DO NOT CONFORM TO ALL REQUIREMENTS OF THESE SPECIFICATIONS WILL BE REJECTED.
- ISOLATION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE ILLDOT SPECS AND LOCATED WHERE SHOWN ON PLANS. ISOLATION JOINTS MAY BE LOCATED BETWEEN A NEW PAVEMENT AND EXISTING PAVEMENT, CURB OR OTHER STRUCTURES AS SHOWN ON THE PLANS. ISOLATION JOINTS SHALL BE CONSTRUCTED OF 3/4 INCH EXPANSION MATERIAL WITH 1/2 INCH THICKNESS JOINT SEALANT.
- EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECS AND LOCATED WHERE SHOWN ON PLANS. EXPANSION JOINTS SHALL BE CONSTRUCTED OF 3/4 INCH EXPANSION MATERIAL PLACED FULL DEPTH THROUGH THE PAVEMENT AND DEPRESSED 3/4 INCH FROM THE SURFACE WITH EIGHTEEN (18) INCH LONG DOWELS ON TWELVE (12) INCH CENTERS PLACED AT MID-DEPTH IN THE PAVEMENT. DOWEL CAPS SHALL BE PROVIDED ON ONE END OF THE DOWEL AND THE DOWELS SHALL BE COATED WITH AN APPROVED HEAVY GREASE. IN THE SPACE ABOVE THE EXPANSION MATERIAL, THE JOINT SHALL BE FILLED WITH JOINT SEALANT.
- CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND LOCATED WHERE SHOWN ON PLANS. JOINTS SHALL BE USED BETWEEN POURS. NUMBER FOUR (4) REBARS, THIRTY (30) INCHES LONG ON THIRTY (30) INCHES CENTERS SHALL BE PLACED AT MID-DEPTH OF THE PAVEMENT. THE CONCRETE POURS SHALL BE EDGED TO MATCH A ONE (1) INCH DEEP JOINTER AND FILLED WITH JOINT SEALANT OR SHALL BE SAWED TWO (2) INCHES DEEP OR AS INDICATED ON THE APPROPRIATE DETAIL AND FILLED WITH JOINT SEALANT.
- CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND LOCATED WHERE SHOWN ON PLANS. CONTRACTION JOINTS SHALL BE TWO (2) INCH DEEP SAWCUTS OR HAND TOOLED JOINTS MADE WITH AN ONE (1) INCH DEEP JOINTER. THE JOINTS SHALL BE FILLED WITH JOINT SEALANT.
- CONVENTIONAL SAWCUTS SHALL BE MADE WITHIN TEN (10) HOURS OF THE PLACEMENT OF THE CONCRETE. MAX PANEL SIZE BETWEEN ANY JOINT SHALL BE 10'
- AS AN ALTERNATIVE TO CONVENTIONAL SAW CUTTING, CONTRACTION AND CONSTRUCTION JOINTS MAY BE "SOFF-CUT" AS SOON AS THE CONCRETE HAS HARDENED ENOUGH TO WALK ON. THIS SHALL BE DONE WITH A "SOFF-CUT" SAW AS MANUFACTURED BY SOFF-CUT INTERNATIONAL, INCORPORATION. FOR PAVEMENTS UP TO NINE (9) INCHES IN THICKNESS A MINIMUM OF ONE (1) INCH DEPTH SAWCUT SHALL BE MADE. FOR PAVEMENTS GREATER THAN NINE (9) INCHES IN THICKNESS A MINIMUM 1/4 DEPTH SAWCUT SHALL BE REQUIRED.
- DOWEL BARS SHALL BE PLAIN ROUND BILLET-STEEL BARS MEETING THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR BILLET-STEEL CONCRETE REINFORCEMENT BARS", ASTM DESIGNATION A-15. THE FINISHED BARS SHALL BE FREE FROM BURRS OR OUT OF ROUND ENDS WHICH WOULD PREVENT EASY SLIPPAGE IN THE DOWEL BAR CAPS.
- JOINT SEALANT SHALL BE HOT-POURED TYPE PAF-3 COMPLYING WITH SECTION 1050.02 OF THE STANDARD SPECIFICATIONS. JOINTS SHALL BE SEALED TO WITHIN ONE-EIGHTH (1/8) INCH OF THE SURFACE.
- CONCRETE POURS SHALL BE ENDED AT CONSTRUCTION, ISOLATION, EXPANSION, OR CONTRACTION JOINTS AS INDICATED ON THE PLANS. PARTIAL SLABS SHALL NOT BE ALLOWED. FOR POURS ENDED AT CONTRACTION JOINTS THE JOINT SHALL BE CONSTRUCTED AS A CONSTRUCTION JOINT.
- ALL CASTINGS IN PAVEMENT AREAS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED PAVEMENT SURFACE ELEVATION. STORM SEWER MANHOLE AND INLET CASTINGS IN THE PAVEMENT GUTTERS SHALL BE DEPRESSED ONE-HALF (1/2) INCH TO ONE (1) INCH OR AS APPROPRIATE TO AID IN DIRECTING RUNOFF INTO THE CASTING. THE CONCRETE PAVEMENT ADJACENT TO ALL CASTINGS SHALL BE EDGED WITH A ONE-QUARTER (1/4) INCH RADIUS EDGER.
- PAVEMENT SHALL BE FINISHED WITH A FINISHING MACHINE APPROVED BY THE ENGINEER OR OWNER'S REPRESENTATIVE. THE MACHINE SHALL BE SELF-PROPELLED, CAPABLE OF STRIKING OFF, CONSOLIDATING, AND FINISHING THE CONCRETE OF THE CONSISTENCY REQUIRED TO THE PROPER CROWN AND GRADE, OR OTHER METHOD APPROVED.
- WATER SHALL NOT BE ADDED TO THE SURFACE OF THE CONCRETE FOR FINISHING PURPOSES. PAVEMENTS SHALL HAVE A HEAVY BROOMED FINISH TRANSVERSE TO THE DIRECTION OF TRAVEL.
- VIBRATING SCREEDS SHALL NOT RUN ON THE EDGE OF NEW PAVEMENTS UNTIL CONCRETE HAS CURED AT LEAST 72 HOURS.
- PAVEMENTS AND CURBS SHALL BE CURED USING POLYETHYLENE FILM OR A CURING COMPOUND APPLIED UNIFORMLY TO ALL EXPOSED SURFACES INCLUDING THE BACK OF CURBS DURING SLIP FORMING. PAVEMENTS SHALL BE PROTECTED FROM HOT AND COLD WEATHER WHEN WARRANTED BY WEATHER CONDITIONS IN ACCORDANCE WITH ARTICLE 1020.13 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND AS DIRECTED BY THE ENGINEER.
- WHEN CURING COMPOUND IS UTILIZED IT SHALL BE APPLIED WITHIN 30 MINUTES OF SURFACE FINISHING.
- PROTECT EXISTING PORTLAND CEMENT CONCRETE SURFACES FROM DAMAGE IMMEDIATELY AFTER BEING POURED AND DURING THE CONSTRUCTION OPERATIONS. EXISTING CONCRETE AND NEW CONCRETE DAMAGED BY CONSTRUCTION OPERATIONS OR BY DEFACING THE CONCRETE SURFACE BEFORE FINAL SET SHALL BE REPLACED.
- FORMS SHALL NOT BE REMOVED FOR 24 HOURS AFTER CONCRETE PLACEMENT. CARE SHOULD BE EXERCISED WHEN REMOVING THE FORMS SO CONCRETE EDGES ARE NOT CRACKED OR DAMAGED. AFTER FORMS ARE REMOVED, ALL VISIBLE VOIDS AND HONEYCOMBS OF ONE-HALF (1/2) INCH IN DIAMETER OR LARGER SHALL BE FILLED IN WITH MORTAR OR GROUT AND BRUSHED SMOOTH IMMEDIATELY AFTER FORM REMOVAL.
- TRAFFIC, INCLUDING CONSTRUCTION EQUIPMENT, SHALL NOT BE ALLOWED ON PAVEMENTS FOR AT LEAST SEVEN (7) DAYS.
- THE AREA ADJACENT TO THE PAVEMENT SHALL BE CLEANED UP, BACKFILLED, AND GRADED AS SOON AS POSSIBLE AFTER PAVEMENT CONSTRUCTION.

PORTLAND CEMENT CONCRETE PAVEMENT NOTES (CONT.)

- ODD SHAPED SLABS AT INTERSECTIONS AND SLABS CONTAINING CATCH BASINS SHALL BE REINFORCED WITH WELDED WIRE FABRIC WHICH MEETS THE REQUIREMENTS OF ARTICLE 1006.10 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND AS SHOWN ON THE DETAILS. THE WELDED WIRE FABRIC SHALL BE IN SHEETS AND NOT ROLLS.
- AREAS OF SUBGRADE THAT ARE CHANGED BY MORE THAN 3 INCHES, SUBJECT TO A FREEZE-THAW CYCLE, OR SUBJECT TO SIGNIFICANT RAINFALL MUST BE RETESTED FOR COMPACTION.
- ANY AREAS OF SUBGRADE WHICH FAIL TO MEET OR EXCEED COMPACTION REQUIREMENTS SHALL BE PREMEDITATED TO ACHIEVE THE REQUIRED STABILITY. ALL PREMEDITATED AREAS SHALL BE FULLY RETESTED.







EXISTING LEGEND

(NOT ALL ITEMS ARE DEPICTED ON THE PLANS)

	SET IRON ROD WITH ALUMINUM CAP STAMPED "C WALLACE LS21000238"		STORM SEWER
	IRON ROD (EXISTING)		SANITARY SEWER
	BENCHMARK		WATER LINE
	STORM MANHOLE		GAS LINE
	STORM INLET		OVERHEAD COMMUNICATION LINE
	CLEANOUT		UNDERGROUND COMMUNICATION LINE
	SANITARY MANHOLE		OVERHEAD ELECTRIC LINE
	FIRE HYDRANT		UNDERGROUND ELECTRIC LINE
	WATER METER		OVERHEAD UTILITY LINE
	WATER VALVE		DITCH FLOWLINE
	WATER WELL		BOUNDARY OF SURVEY
	GAS VALVE/REGULATOR		ADJACENT LOT LINE
	GAS METER		LOT LINE
	ELECTRIC METER		EASEMENT LINE
	UTILITY POLE		RIGHT-OF-WAY LINE
	GUY WIRE		FENCE
	WOOD POST		BUILDING
	TRAFFIC LIGHT		SPOT ELEVATION
	SIGN		RECORD DATA
	HVAC UNIT		MEASURED DATA
	DOWNSPOUT		EVERGREEN TREE / SIZE
	MAILBOX		DECIDUOUS TREE / SIZE
	CLOTHESLINE POLE		STUMP
			BUSH
			ROCK / BOULDER



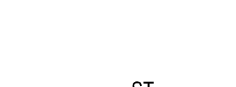



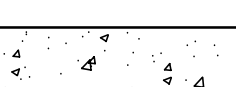



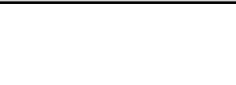









DEMOLITION LEGEND

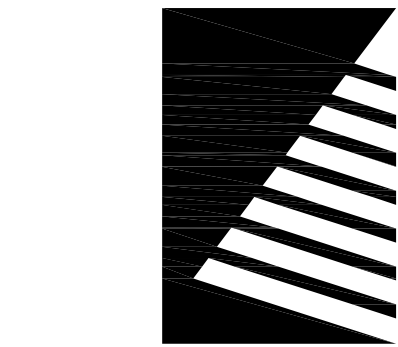
(NOT ALL ITEMS ARE DEPICTED ON THE PLANS)

	HARDSCAPE REMOVAL		PAVEMENT SAWCUT LINE (FULL PVMT DEPTH)
	DECIDUOUS TREE REMOVAL		NON-DECIDUOUS TREE REMOVAL
	BUSH REMOVAL		BUSH REMOVAL

PROPOSED LEGEND

(NOT ALL ITEMS ARE DEPICTED ON THE PLANS)

	STORM SEWER		STORM INLET
	GROUND CONTOUR		SILT FENCE
	THICKENED EDGE - SEE DETAILS		INLET PROTECTION
	PAVEMENT SECTION 7" PORTLAND CEMENT (NON-REINFORCED) OVER 4" AGGREGATE IDOT CA-06 (PROOF ROLL PAVEMENT AREA PRIOR TO PLACING STONE BASE) - VERIFY WITH PROJECT GEOTECHNICAL REPORT		DRAINAGE DIRECTION
	STORM INLET		INLET PROTECTION
	STORM INLET		INLET PROTECTION
	STORM INLET		INLET PROTECTION
	STORM INLET		INLET PROTECTION
	STORM INLET		INLET PROTECTION
	STORM INLET		INLET PROTECTION



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01/15/2021

PROJECT:

CHM - Ortho Clinic
Renovation and
Addition

1000 N Allen St,
Robinson, IL 62454

DATE:

01/15/2021

DESIGNED:

DRAWN:

REVIEWED:

SHEET TITLE:

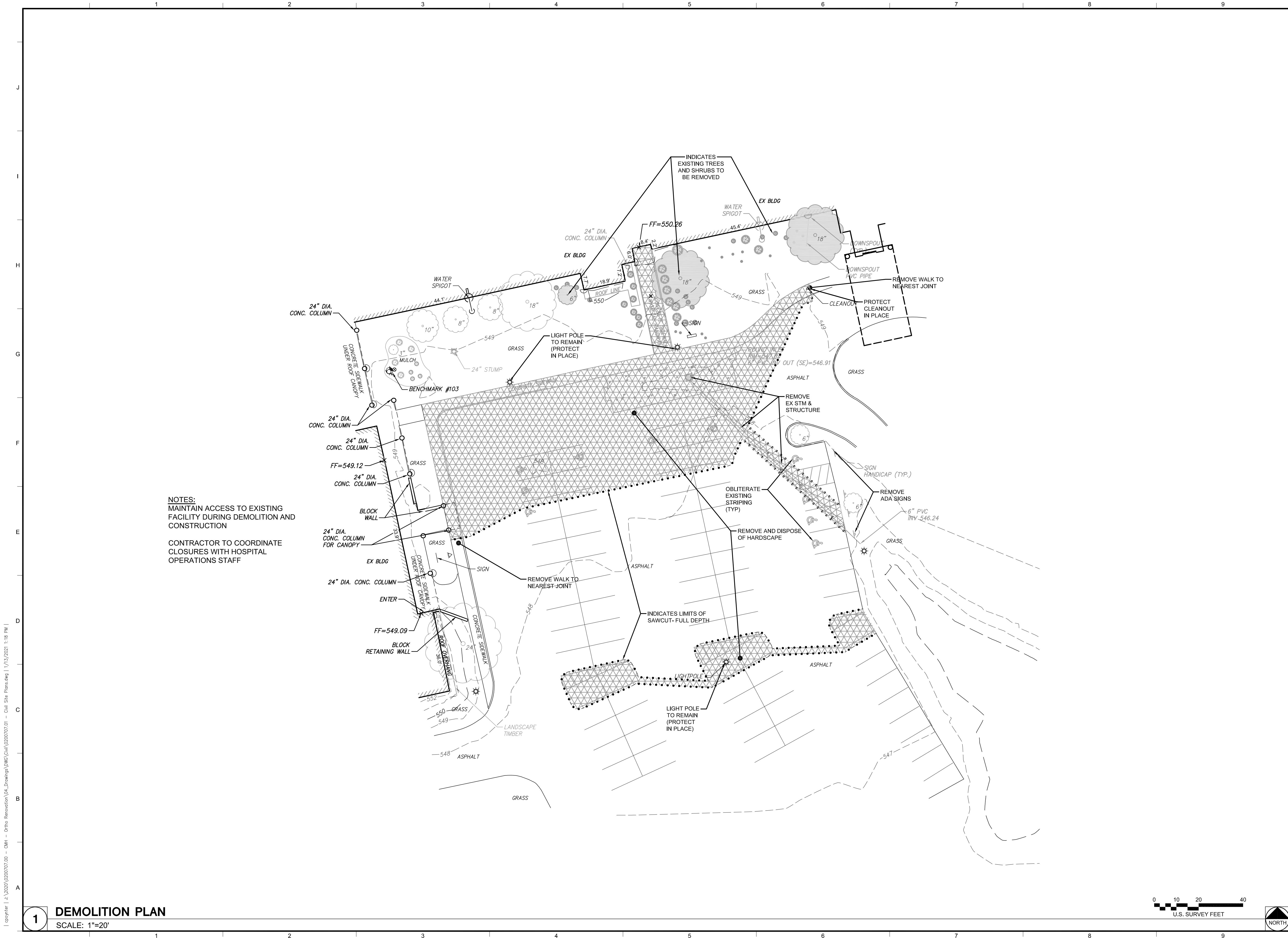
GENERAL NOTES

SHEET NUMBER:

C0.1

PROJECT NO.:

0200707.00



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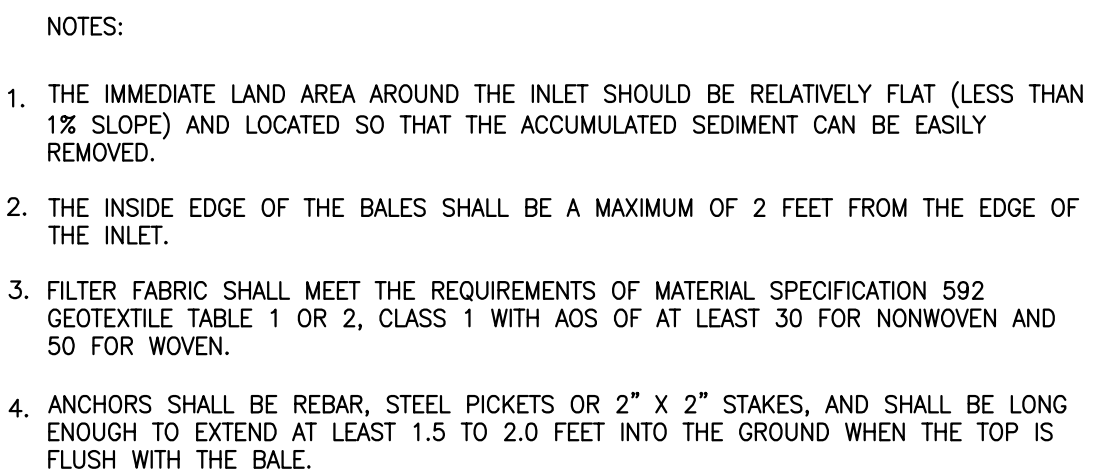
SHEET TITLE:

EXISTING CONDITONS& DEMOLITION AND REMOVALS PLAN

SHEET NUMBER:

C1.0

PROJECT NO.: 0200707.00



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GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:

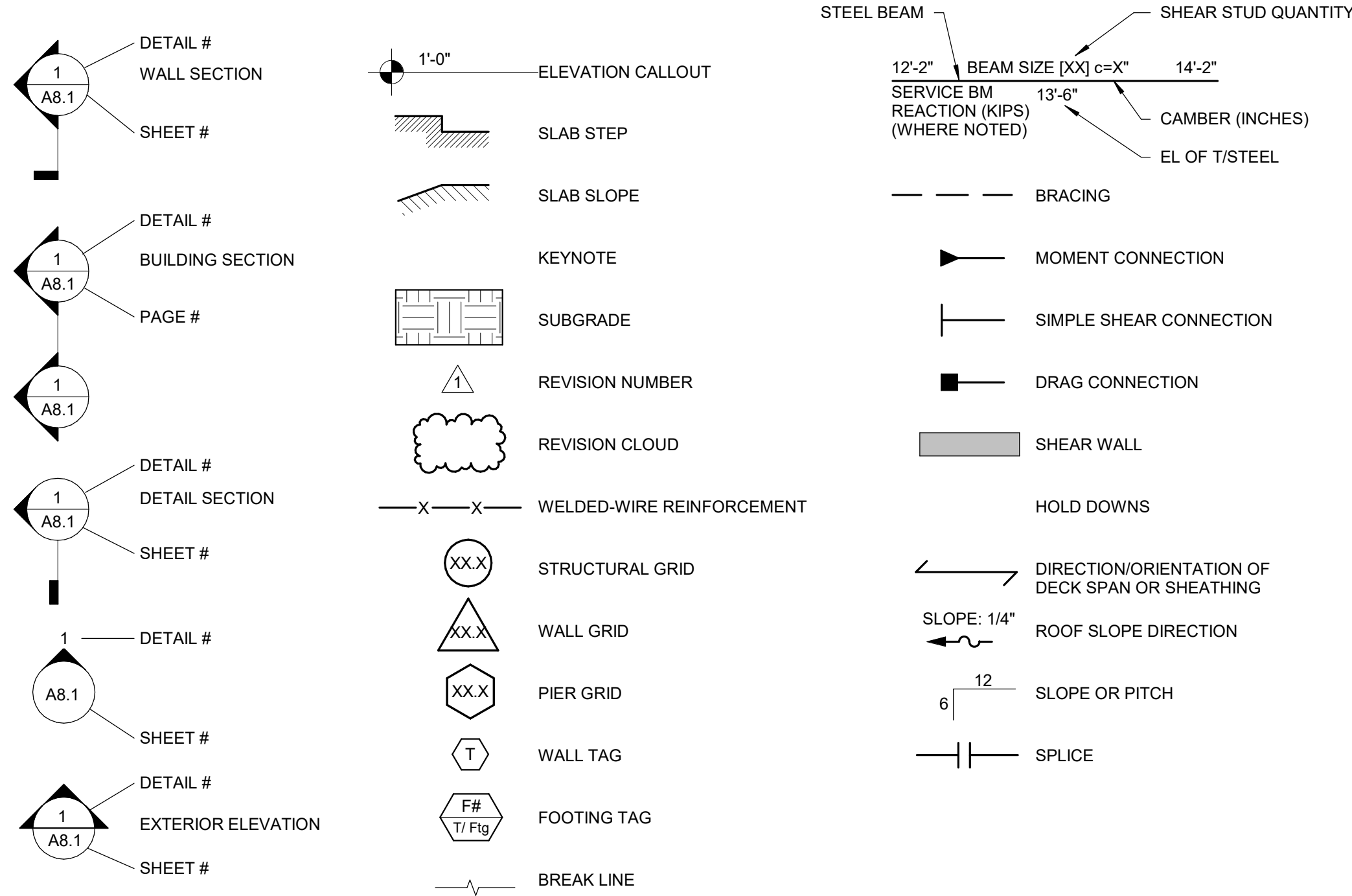
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ABBREVIATIONS

/	PER	EOR	ENGINEER-OF-RECORD
@	AT	EQ	EQUAL
AB	ANCHOR BOLT	EQUIP	EQUIPMENT
ACI	AMERICAN CONCRETE INSTITUTE	ES	EACH SIDE
ADDL	ADDITIONAL	EW	EACH WAY
ADJ	ADJACENT	EXIST or (E)	EXISTING
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	EXP	EXPANSION
AFF	ABOVE FINISHED FLOOR	EXP ANCH	EXPANSION ANCHOR
ALT	ALTERNATE	EXT	EXTERIOR
ALUM	ALUMINUM	FAB	FABRICATE
APA	AMERICAN PLYWOOD ASSOCIATION	FDN	FOUNDATION
APPROX	APPROXIMATE	FF	FINISHED FLOOR
ARCH	ARCHITECT OR ARCHITECTURAL	FIN	FINISH(ED)
ASD	ALLOWABLE STRESS DESIGN	FLG	FLANGE
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	FLR	FLOOR
AWS	AMERICAN WELDING SOCIETY	FN	FIELD NAILING
B/ or BOT or BO	BOTTOM OF	FO	FACE OF
B/STEEL or BOS	BOTTOM OF STEEL	FP	FULL PENETRATION
BF	BRACED FRAME	FRMG	FRAMING
BG	BACKGOUGE	FS	FAR SIDE
BL	BRICK LEDGE	FT	FOOT OR FEET
BLDG	BUILDING	FTG	FOOTING
BLKG	BLOCKING	FV	FIELD VERIFY
BM	BEAM	GA	GAGE OR GAUGE
BN	BOUNDARY NAIL	GALV	GALVANIZED
BRG	BEARING	GC	GENERAL CONTRACTOR
BTWN	BETWEEN	GEN	GENERAL
CC	CENTER TO CENTER	GL	GLU-LAM
CF	COLD FORMED	GR	GRADE OR GRIND
CFCI	CONTRACTOR-FURNISHED, CONTRACTOR-INSTALLED	GR BM	GRADE BEAM
CG	CENTER OF GRAVITY	GYP	GYPSUM
CIP	CAST-IN-PLACE	H	HEIGHT
CJ	CONTROL/CONSTRUCTION JOINT	HAS	HEADED ANCHOR STUD
CJP	COMPLETE JOINT PENETRATION	HORIZ	HORIZONTAL
CL	CENTERLINE	HVAC	HEATING-VENTILATING AND A/C
CLG	CEILING	ID	INSIDE DIAMETER
CLR	CLEAR	IF	INSIDE FACE
CMU	CONCRETE MASONRY UNIT	IN	INCH
COL	COLUMN	INCL	INCLUD(S) or INCLUDING
CONC	CONCRETE	INFO	INFORMATION
CONN	CONNECTION	INSUL	INSULATION
CONST	CONSTRUCTION	INT	INTERIOR
CONT	CONTINUE OR CONTINUOUS	IT	PRECAST INVERTED TEE BEAM
COORD	COORDINATE	JST	JOIST
d	PENNY	JT	JOINT
DBL	DOUBLE	k or K	KIP
DEG	DEGREE	L	LENGTH
DEMO	DEMOLISH or DEMOLITION	LB(S)	POUND(S)
DEPR	DEPRESSION	LFRS	LATERAL FORCE-RESISTING SYSTEM
DIA or	DIAMETER	LL	LIVE LOAD
DIAG	DIAGONAL	LLH	LONG LEG HORIZONTAL
DIM	DIMENSION	LLV	LONG LEG VERTICAL
DIR	DIRECTION	LOC(S)	LOCATION(S) OR LOCATE
DL	DEAD LOAD	LONG	LONGITUDINAL
DN	DOWN	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
DO	DITTO	LS	LAP SLICE
DP	DRILLED PIER	LSL	LAMINATED STRAND LUMBER
DT	PRECAST DOUBLE TEE	LT	LIGHT
DTL(S)	DETAIL(S)	LTWT	LIGHTWEIGHT
DWG(S)	DRAWING(S)	LVL	LAMINATED VENEER LUMBER
DWL(S)	DOWEL(S)	LWC	LIGHT WEIGHT CONCRETE
E-W	EAST-WEST	MATL	MATERIAL
EA	EACH	MAX	MAXIMUM
EF	EACH FACE	MECH	MECHANICAL
EIFS	EXTERIOR INSULATION FINISH SYSTEM	MEP	MECH/ELECT/PLUMB
EJ	EXPANSION JOINT	MEZZ	MEZZANINE
EL or ELEV	ELEVATION	MFR or MANUF	MANUFACTURER
ELEC	ELECTRICAL	MID	MIDDLE
EMBED	EMBEDDED	MIN	MINIMUM
EN	EDGE NAIL	MISC	MISCELLANEOUS
ENGR	ENGINEER	MJ	MASONRY CONTROL JOINT

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS



GENERAL NOTES

DESIGN CRITERIA:

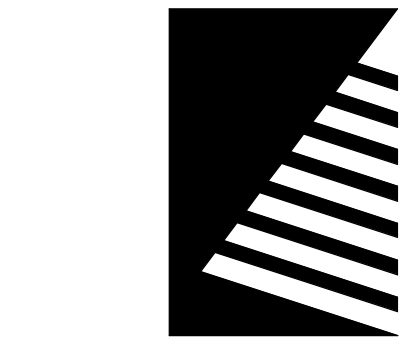
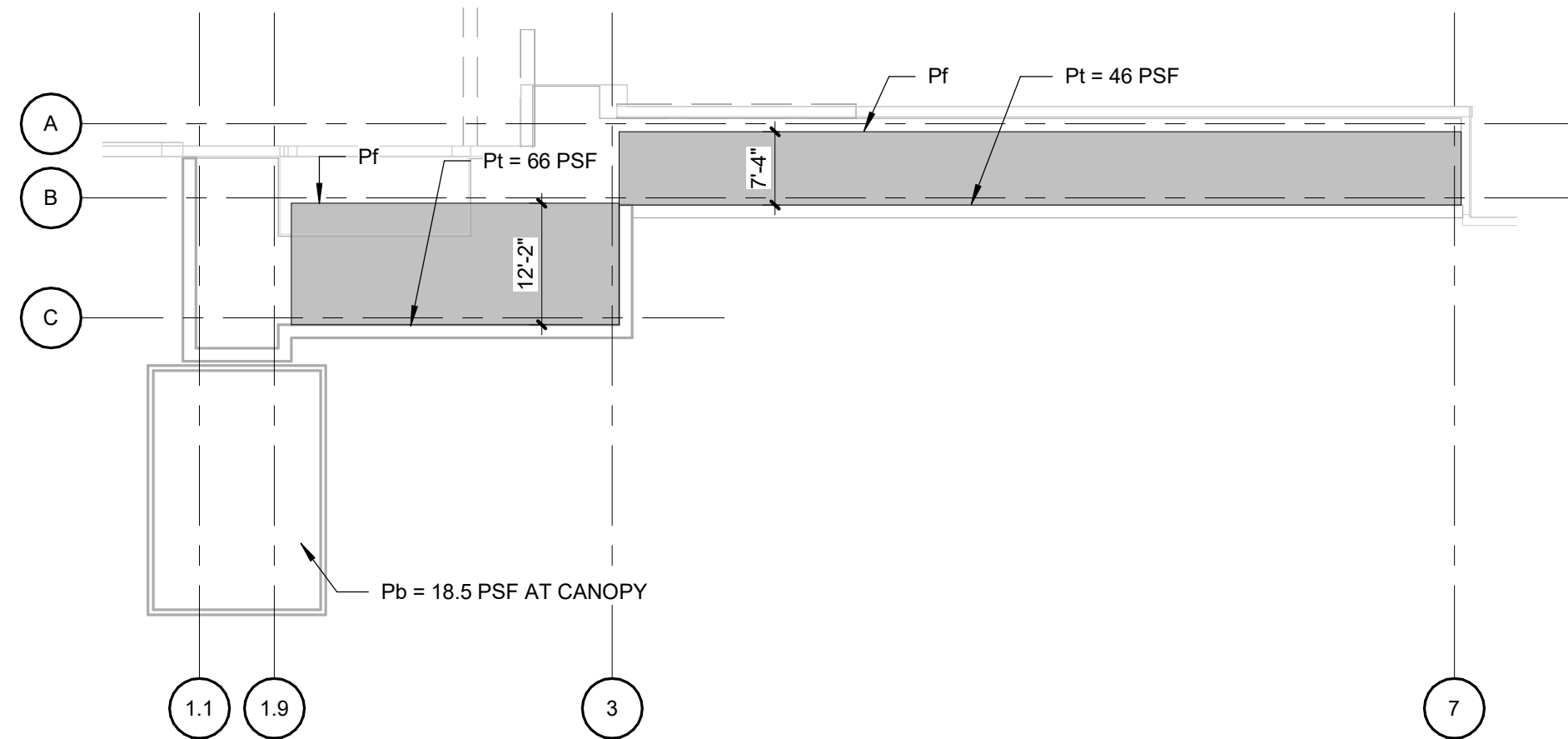
- A. THE STRUCTURAL ENGINEERING DESIGN IS BASED ON AND IN ACCORDANCE WITH THE FOLLOWING CODE:
- INTERNATIONAL BUILDING CODE - 2012
- B. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING TYPICAL UNIFORM LOADS:
- | | | | |
|-------------------------|-------------------|---|---------------------------|
| <u>DEAD LOADS</u> | ROOF | = | 20 PSF |
| <u>LIVE LOADS</u> | ROOF | = | 20 PSF |
| | OFFICES | = | 50 PSF + 15 PSF PARTITION |
| | CORRIDORS | = | 100 PSF |
| | VESTIBULE | = | 100 PSF |
| <u>SNOW LOADS</u> | Pg | = | 20 PSF |
| | Pf | = | 22 PSF |
| | Ce | = | 1.0 |
| | I | = | 1.1 |
| | Ct | = | 1.0 |
| | | = | 1.2 AT CANOPY |
| <u>WIND DESIGN DATA</u> | V (ULT) | = | 120 MPH |
| | V (NOM) | = | 93 MPH |
| | EXPOSURE CATEGORY | = | C |
| | GCPi | = | (+/-)0.018 |

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES			
ZONE	EFFECTIVE WIND AREA (SF)	ULTIMATE WIND PRESSURE (PSF)	
1	10	=	+16.0/-31.4
	20	=	+16.0/-30.6
	50	=	+16.0/-29.5
	100	=	+16.0/-28.7
2	10	=	+16.0/-52.7
	20	=	+16.0/-47.1
	50	=	+16.0/-39.6
	100	=	+16.0/-34.0
3	10	=	+16.0/-52.7
	20	=	+16.0/-47.1
	50	=	+16.0/-39.6
	100	=	+16.0/-34.0
4	10	=	+28.7/-31.1
	20	=	+27.5/-29.8
	50	=	+25.8/-28.2
	100	=	+24.5/-26.9
5	10	=	+21.5/-23.9
	20	=	+21.5/-23.9
	50	=	+21.5/-23.9
	100	=	+21.5/-23.9

EARTHQUAKE DESIGN DATA	
RISK CATEGORY	= III
I	= 1.25
Ss	= 0.396
S1	= 0.148
SITE CLASS	= C
SDS	= 0.317
SD1	= 0.163
SEISMIC DESIGN CATEGORY	= C
BASIC SEISMIC-FORCE-RESISTING SYSTEM	= STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC
R	= 3
Cs	= 0.132
V	= 0.132W
ANALYSIS PROCEDURE	= EQUIVALENT LATERAL-FORCE ANALYSIS

SNOW DRIFT:

- A. TOTAL SNOW DRIFT LOAD, $P_t = P_d + P_b$. TOTAL SNOW DRIFT LOAD SHOWN IN PLAN BELOW.
- B. DRIFT LOAD, P_d
- C. BALANCED SNOW LOAD, $P_b = 15.4$ PSF, UON.
- D. SEE ABOVE FOR MINIMUM FLAT ROOF DESIGN SNOW LOAD.



Farnsworth
GROUP

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Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:

BID SET
01/15/2021

PROJECT:
Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: AKC

DRAWN: AKC

REVIEWED: PMH

SHEET TITLE:

GENERAL
INFORMATION

SHEET NUMBER:

S0.1

PROJECT NO.: 0200707.00

GENERAL NOTES

GENERAL CONSTRUCTION:

- A. ALL DETAILS, SECTIONS, AND PLAN NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.
- B. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE DRAWINGS. IN THE EVENT OF A CONFLICT, NOTIFY THE ENGINEER FOR CLARIFICATION.
- C. THE CONTRACTOR SHALL VERIFY, BY FIELD CHECK, ALL SIZES, DIMENSIONS, ELEVATIONS, LOCATIONS, ETC., OF THE EXISTING CONSTRUCTION WHICH ARE RELATIVE TO THE CONSTRUCTION.
- D. REQUESTS FOR INFORMATION SHALL BE SUBMITTED TO THE ARCHITECT UNLESS OTHERWISE NOTED.
- E. THE CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATIONS, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- F. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE BASED ON MATERIAL PROVIDED BY THE OWNER AND NO CLAIM IS MADE AS TO ITS ABSOLUTE COMPLETENESS AND/OR ACCURACY PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
- G. WHERE NEW CONSTRUCTION ABUTS OR INTEGRATES WITH EXISTING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITIONS AND DIMENSIONS ARE CLOSE TO THOSE THAT HAVE BEEN ASSUMED. IF THERE ARE ANY VARIANCES THAT WILL PREVENT THE WORK FROM BEING COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, THEY SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. THE ENGINEER SHALL ADVISE THE CONTRACTOR AS TO THE NECESSARY MODIFICATIONS.
- H. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SCOPE OF THE WORK AND SOIL AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK. THE ACTUAL CONDITIONS MAY VARY ACROSS THE SITE.
- I. THE CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- J. VERIFY SIZE AND LOCATIONS OF HOLES AND SLEEVES THROUGH CONCRETE WALLS AND SLABS WITH MECHANICAL AND PLUMBING CONTRACTORS.
- K. GROUT BELOW COLUMN BASE PLATES SHALL BE PLACED PRIOR TO INSTALLATION OF THE METAL ROOF DECK.
- L. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MOMENT FRAMES OR BRACED FRAMES WITH WELDED OR BOLTED BEAM TO COLUMN CONNECTIONS FRAMED IN EACH ORTHOGONAL DIRECTION (SEE PLAN SHEETS FOR LOCATIONS). THE METAL ROOF DECK SERVES AS A HORIZONTAL DIAPHRAGM THAT DISTRIBUTES THE LATERAL WIND AND SEISMIC FORCES HORIZONTALLY TO THE VERTICAL STEEL FRAMES. THE VERTICAL FRAMES CARRY THE APPLIED LATERAL LOADS TO THE BUILDING FOUNDATION.
- M. ALL STEEL BUILDING FRAMES, UNLESS OTHERWISE NOTED, ARE NON-SELF SUPPORTING STEEL FRAMES AS DEFINED N THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" (AISC 2000), SECTION [7.9.3]. THE CONTRACTOR SHALL PROVIDE TEMPORARY LATERAL BRACING FOR STEEL FRAMES UNTIL ALL BEAM-COLUMN CONNECTIONS ARE COMPLETE AND ROOF DIAPHRAGM IS INSTALLED.
- N. SEE ARCHITECTURAL DRAWINGS FOR:
- 1. SIZE AND LOCATION OF STOREFRONT SYSTEMS, DOOR, AND WINDOW OPENINGS, EXCEPT AS SHOWN OR NOTED.
 - 2. FLOOR AND ROOF FINISHES, DRAINAGE, AND WATERPROOFING
 - 3. FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL
 - 4. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- O. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR:
- 1. PIPE RUNS, SLEEVES, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED
 - 2. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
 - 3. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL, OR PLUMBING FIXTURES.
- P. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN NEW OR EXISTING CONCRETE SLABS, DECKS, WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS.
- 1. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
- Q. FOR PIPES EMBEDDED IN CONCRETE:
- 1. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY SEOR.
 - 2. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
 - 3. DO NOT STACK CONDUITS. SPACE EMBEDDED PIPES/CONDUITS AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED PIPES/CONDUITS AND REBAR.
- R. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. THE CONTRACTOR SHALL DESIGN AND PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
- S. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE DESIGN INTENT FOR THE FINISHED STRUCTURE. THEY DO NOT INDICATE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE CONTRACTOR IS RESPONSIBLE FOR PROVISIONS OF TEMPORARY SHORING AND OTHER CONSTRUCTION AIDS, INCLUDING ALL ENGINEERING OF SUCH SYSTEMS, FOR TEMPORARY SUPPORT OF NEW AND/OR EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR ERECTION AND OTHER CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, UNLESS NOTED OTHERWISE. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

FOUNDATIONS:

- A. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORT(S):
SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS BY MIDWEST ENGINEERING AND TESTING, INC. PROJECT NO. 203129, DATED 01/08/2021
- B. COPIES OF THE REPORT(S) AND ANY ADDENDUM/SUPPLEMENTAL LETTERS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.
- C. FOOTING DESIGN CRITERIA:
- | | |
|----------------------------|-------------------------------|
| ALLOWABLE BEARING CAPACITY | 3000 PSF, PAD FOOTINGS |
| ALLOWABLE BEARING CAPACITY | 2500 PSF, CONTINUOUS FOOTINGS |
| FROST DEPTH | 36 INCHES |
- D. COMPACTED FILL FOR THE PURPOSE OF UNDERLYING BUILDING OR SITE STRUCTURES SHALL BE PREPARED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.
- E. REFER TO THE PROJECT GEOTECHNICAL REPORT FOR EXTENT AND DEPTH OF OVEREXCAVATION (SUB-EXCAVATION), AND FOR RECOMPACTION AND SOIL CONDITIONING REQUIREMENTS.
- F. BOTTOM DEPTHS OF EXCAVATION AS WELL AS ALL PLACEMENT AND COMPACTION OF FILL SHALL BE OBSERVED AND TESTED BY THE PROJECT GEOTECHNICAL ENGINEER.
- G. ALL PAD FOOTINGS, PEDESTALS, AND PEIRS SHALL BE CENTERED ON BUILDING COLUMN REFERENCE LINES UNLESS INDICATED BY AN OFFSET DIMENSION.
- H. ALL WALL FOOTINGS SHALL BE CENTERED ON WALL CENTERLINE UNLESS INDICATED BY AN OFFSET DIMENSION.
- I. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OR COMPACTED FILL WHICH HAS A MINIMUM ALLOWABLE BEARING CAPACITY EQUAL TO OR GREATER THAN THAT SHOWN ABOVE.
- J. ALL FOOTING ELEVATIONS SHOWN ON THE DRAWINGS MEET THE REQUIRED DEPTHS FOR BEARING AND/OR FROST PROTECTION. ACTUAL FIELD CONDITIONS MAY REQUIRE ADDITIONAL EXCAVATION AND/OR COMPACTED FILL.
- K. BACKFILL SHALL BE PLACED EVENLY AGAINST EACH SIDE OF SUBGRADE STRUCTURAL ELEMENTS TO PRODUCE APPROXIMATELY EQUAL AND OPPOSITE LATERAL PRESSURES.
- L. PROVIDE BACKFILL AGAINST SUBGRADE STRUCTURAL ELEMENTS IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT. BACKFILL SHALL BE A CRUSHED AGGREGATE WITH A GRADATION THAT INCLUDES A MINIMUM 10 PERCENT FINES PASSING THE #200 SIEVE AND MAXIMUM PARTICLE SIZE OF 1 1/2". ACCEPTABLE GRADATIONS INCLUDE CA-6, CA-10 AND PIT RUN SAND.

STRUCTURAL CONCRETE:

- A. REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) BY THE AMERICAN CONCRETE INSTITUTE.
- B. REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE CONCRETE REINFORCING STEEL INSTITUTE'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS".
- C. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'c) AT 28 DAYS:
- | | |
|------------------|----------|
| FOOTINGS | 4000 PSI |
| FOUNDATION WALLS | 4000 PSI |
| PEDESTALS | 4000 PSI |
| SLABS ON GRADE | 4000 PSI |
- D. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE III, UNLESS OTHERWISE NOTED.
- E. CONCRETE REINFORCEMENT:
- 1. DEFORMED BARS - NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60000 PSI.
 - 2. WELDED WIRE FABRIC - SMOOTH WIRE FABRIC COMPLYING WITH ASTM A185
- F. CONCRETE PROTECTION FOR REINFORCEMENT: UNLESS OTHERWISE SHOWN THE CLEAR DISTANCE FROM THE FACE OF CONCRETE TO THE REINFORCING STEEL SHALL BE:
- | | |
|--|--------|
| CONCRETE POURED AGAINST GROUND (NOTE A) | 3" |
| CONCRETE POURED AGAINST FORMS (NOTE A, B): | |
| #6 BARS OR LARGER | 2" |
| SMALLER THAN #6 BARS | 1 1/2" |
| SLABS POURED ON GRADE: | |
| FROM BOTTOM SURFACE | 2" |
| TROWELED SURFACE (NOTE B) | 1" |
| SCREEDED SURFACE FOR APPLIED TOPPING | 3/4" |
- (NOTE A) EXCLUDING SLABS POURED ON GRADE.
(NOTE B) INCREASE BY 1/2" IF SURFACE IS TO BE IN PERMANENT CONTACT WITH GROUND OR WATER.
- G. UNLESS OTHERWISE SHOWN OR NOTED, SPLICING OF REINFORCING BARS OR WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.
- H. ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TO HOLD REINFORCEMENT IN POSITION DURING CONCRETE PLACEMENT OPERATIONS. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE.
- I. PROVIDE SUPPORT FOR REINFORCEMENT INCLUDING BOLSTERS, CHAIRS, AND SPACERS WITH SAND PLATES FOR SUPPORTING AND FASTENING REINFORCING BARS TO PROVIDE THE CONCRETE COVER INDICATED.
- J. ALTERNATE LOCATION OF LAP SPLICE IN WALLS AND SLABS.
- K. ALL HORIZONTAL BARS IN WALLS SHALL BE BENT AT CORNERS AND INTERSECTIONS IN SUCH A WAY THAT CONTINUITY IS PROVIDED THROUGH THE JOINT. SEPARATE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING MAY BE SUBSTITUTED FOR THE BENT PORTION OF THE CONTINUOUS BAR.
- L. ALL CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS SHALL BE INCORPORATED IN THE STRUCTURE UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON SHOP DRAWINGS. WHEN CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS ARE REQUIRED, THE REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT AND A KEY SHALL BE PROVIDED FOR ADEQUATE SHEAR TRANSFER.
- M. ALL KEYS FOR CONSTRUCTION JOINTS SHALL BE 2" X 4" (NOMINAL) UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS.
- N. UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE 2-#5 BARS (1-EACH FACE) AROUND UNFRAMED OPENINGS IN CONCRETE WALLS AND GRADE BEAMS. PLACE BARS PARALLEL TO SIDES OF OPENING AND EXTEND 24" BEYOND CORNERS.
- O. SIZE AND LOCATIONS OF CONCRETE BASES AND EMBEDDED ANCHORAGES FOR EQUIPMENT SHALL BE COORDINATED WITH EQUIPMENT SUPPLIER AND SHALL BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.

CLASS B LAP SPLICE LENGTH (INCHES)		
BAR SIZE	TOP BARS	OTHER BARS
#3	15	12
#4	20	16
#5	28	22
#6	40	32
#7	68	52
#8	88	68

NOTE: TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.

STEEL:

- A. STRUCTURAL STEEL IS DESIGNED IN ACCORDANCE WITH AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS;" AND THE AISC "STEEL CONSTRUCTION MANUAL".
- B. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
- | | |
|---------------------------|------------------------|
| W-SHAPES | A992 OR A572, GRADE 50 |
| CHANNELS | A36 |
| ANGLES | A36 |
| SQUARE & RECTANGULAR HSS | A500 GRADE B |
| STRUCTURAL PLATE AND BARS | A36 |
- C. PROVIDE A 1/4" CAP PLATE SHOP WELDED TO THE TOP OF ALL HSS POSTS AND COLUMNS UNLESS OTHERWISE NOTED.
- D. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY BEAM CONNECTIONS NOT OTHERWISE DETAILED OR CALLED OUT.
- E. SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED AT FABRICATOR'S OPTION, SUBJECT TO ENGINEER'S APPROVAL.
- F. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
- G. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS, BEARING TYPE WITH THREADS IN THE SHEAR PLANE, CONFORMING TO ASTM A325-N.
- H. ALL WELDED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE," D1.1.
- I. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL WELDED CONNECTIONS SHALL BE MADE WITH E70-XX LOW HYDROGEN ELECTRODES.
- J. PROVIDE ALL BOLT HOLES, STUDS, ANCHORS, AND CLIP ANGLES REQUIRED TO ATTACH OTHER MATERIALS AS SHOWN ON THE DRAWINGS.
- K. STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY OPENINGS NOT NOTED ON STRUCTURAL DRAWINGS. FOR NON-BEARING WALLS, PROVIDE LINTELS FOR ALL OPENINGS AND RECESSES NOT OTHERWISE DETAILED OR SCHEDULED AS FOLLOWS:
- | | |
|------------------------|---|
| MAXIMUM SPAN OF 8'-0": | (1)L5x3 1/2x5/16 FOR EACH 4" OF MASONRY WIDTH |
| SPANS LESS THAN 2'-0": | PL5/16 x MASONRY WIDTH LESS 1" |
- L. PROVIDE MINIMUM 8" BEARING FOR BEAMS OR LINTELS WITH SPANS 4'-0" OR LARGER AND 6" BEARING ON SPANS LESS THAN 4'-0", UNLESS OTHERWISE DETAILED ON THE DRAWINGS.
- M. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, 36KSI AND SHALL BE PLACED WITHIN THE FOLLOWING TOLERANCES:
- | | |
|---|---------------|
| TOP OF ANCHOR BOLT ELEVATION: | +1" TO - 3/8" |
| OUT OF POSITION OF ANCHOR BOLTS: | ±1/8" |
| ELEVATION OF FINISHED CONCRETE SURFACE FOR BEARING: | ±1/8" |
- N. ALL GROUT BELOW ALL COLUMN BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC GROUT UNLESS OTHERWISE SHOWN OR NOTED.
- O. ALL GUSSET PLATES AND CONNECTION ANGLES SHALL BE A MINIMUM OF 3/8" THICK, UNLESS NOTED OTHERWISE.
- P. ALL STEEL SHALL HAVE ONE SHOP COAT OF PRIMER, EXCEPT:
- 1. WHERE PROHIBITED BY THE REQUIREMENTS OF THE "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 BOLTS.
 - 2. GALVANIZE ALL EXTERIOR STEEL, STEEL IN EXTERIOR WALLS, AND THEIR CONNECTIONS.
 - 3. WHERE OTHERWISE NOTED ON PLANS AND DETAILS.

METAL DECK:

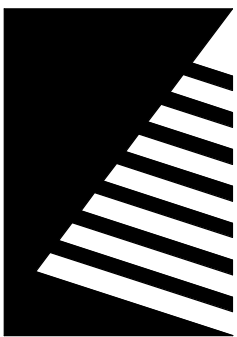
- A. ALL METAL DECK SHALL BE DETAILED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE STEEL DECK INSTITUTE SPECIFICATIONS.
- B. ALL METAL DECK SHALL BE CONTINUOUS OVER TWO OR MORE SUPPORTS UNLESS APPROVED BY THE ENGINEER.
- C. SEE FRAMING PLAN NOTES FOR METAL DECK ATTACHMENT. PROVIDE FRAME FASTENERS AT ALL DIAPHRAGM EDGES USING SIDELAP FASTENING SPACING.
- D. ALL METAL DECK SHALL BE GALVANIZED.
- E. ALL WELDING OF DECK SHALL BE DONE BY CERTIFIED LIGHT GAGE WELDERS IN ACCORDANCE WITH "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES", AWS D1.3 (LATEST EDITION), FOR THE GAGE OF STEEL WHICH REQUIRES WELDING.
- F. METAL DECK OPENINGS UP TO 6" DO NOT REQUIRE REINFORCING AS LONG AS NOT MORE THAN TWO WEBS ARE REMOVED FROM THE DECK. FOR OPENINGS GREATER THAN 6" AND UP TO 12", THE DECK MUST BE REINFORCED WITH A MINIMUM 0.071" SHEET OF STEEL, 6" WIDER THAN THE OPENING ON EACH SIDE AND FASTENED TO EACH CELL ALL AROUND THE OPENING. OPENINGS GREATER THAN 12" SHALL BE REINFORCED.

DELEGATED DESIGN:

- A. THE FOLLOWING ITEMS SHALL BE TERMED AS DELEGATED DESIGN AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN SIGNED AND SEALED DRAWINGS, AND CALCULATIONS AS APPLICABLE, BY OTHERS.
- 1. SCREEN WALLS, RETAINING WALLS AND SITE MONUMENT SIGNS AND FOUNDATION OUTSIDE OF THE BUILDING ENVELOPE. THESE ITEMS SHALL BE DESIGNED TO BE SELF SUPPORTING AND SHALL NOT APPLY ADDITIONAL LOADS TO THE MAIN STRUCTURE OR FOUNDATION.
 - 2. LIGHT GAGE FRAMING
- B. THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE DELEGATED DESIGN ITEMS AS REQUIRED PER SPECIFICATIONS.
- C. ALL DELEGATED DESIGN ITEMS SHALL BE DESIGNED FOR MINIMUM LOADS AND CONDITIONS AS PROVIDED IN THE DESIGN CRITERIA, OTHER PLAN NOTES, DETAILS, OR SPECIFICATIONS.

COLD FORMED METAL FRAMING:

- A. STRUCTURAL COLD FORMED METAL (LIGHT-GAGE) FRAMING SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", AISI S100 AND AISI S200, INCLUDING ANY SUPPLEMENTS AS WELL AS THE FOLLOWING DESIGN STANDARDS:
- 1. WALLS AND STUDS: AISI S210
 - 2. HEADERS: AISI S211
 - 3. LATERAL DESIGN: AISI S213
- B. ALL STRUCTURAL LIGHT-GAGE JOIST AND STUDS SHALL CONFORM TO THE FOLLOWING MINIMUM YIELD STRENGTH PER ASTM SPECIFICATIONS:
- | | |
|-----------------|---------------------------------------|
| 12, 14, 16 GAGE | 50,000 PSI (STRUTURAL) |
| 18, 20 GAGE | 33,000 PSI (INTERIOR, NON-STRUCTURAL) |
- C. PROVIDE FRAMING MEMBERS, BRIDGING, BRACING, PLATES, STRAPS, CLIPS, AND FASTENINGS AS REQUIRED BY THE DELEGATED DESIGN.



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01/15/2021

PROJECT:

Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: AKC

DRAWN: AKC

REVIEWED: PMH

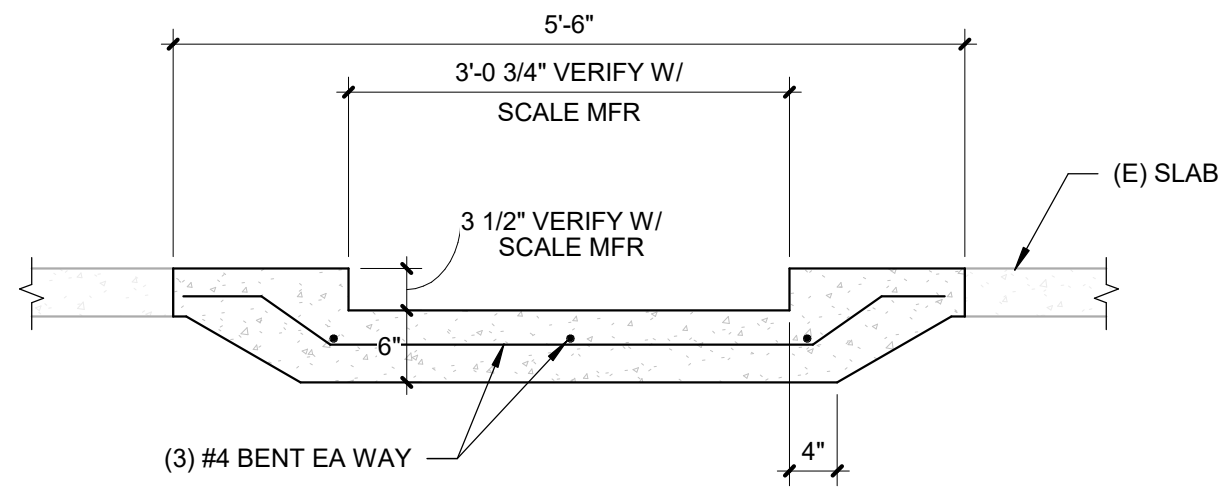
SHEET TITLE:

GENERAL
INFORMATION

SHEET NUMBER:

S0.2

PROJECT NO.: 0200707.00



2 RECESSED SLAB DETAIL

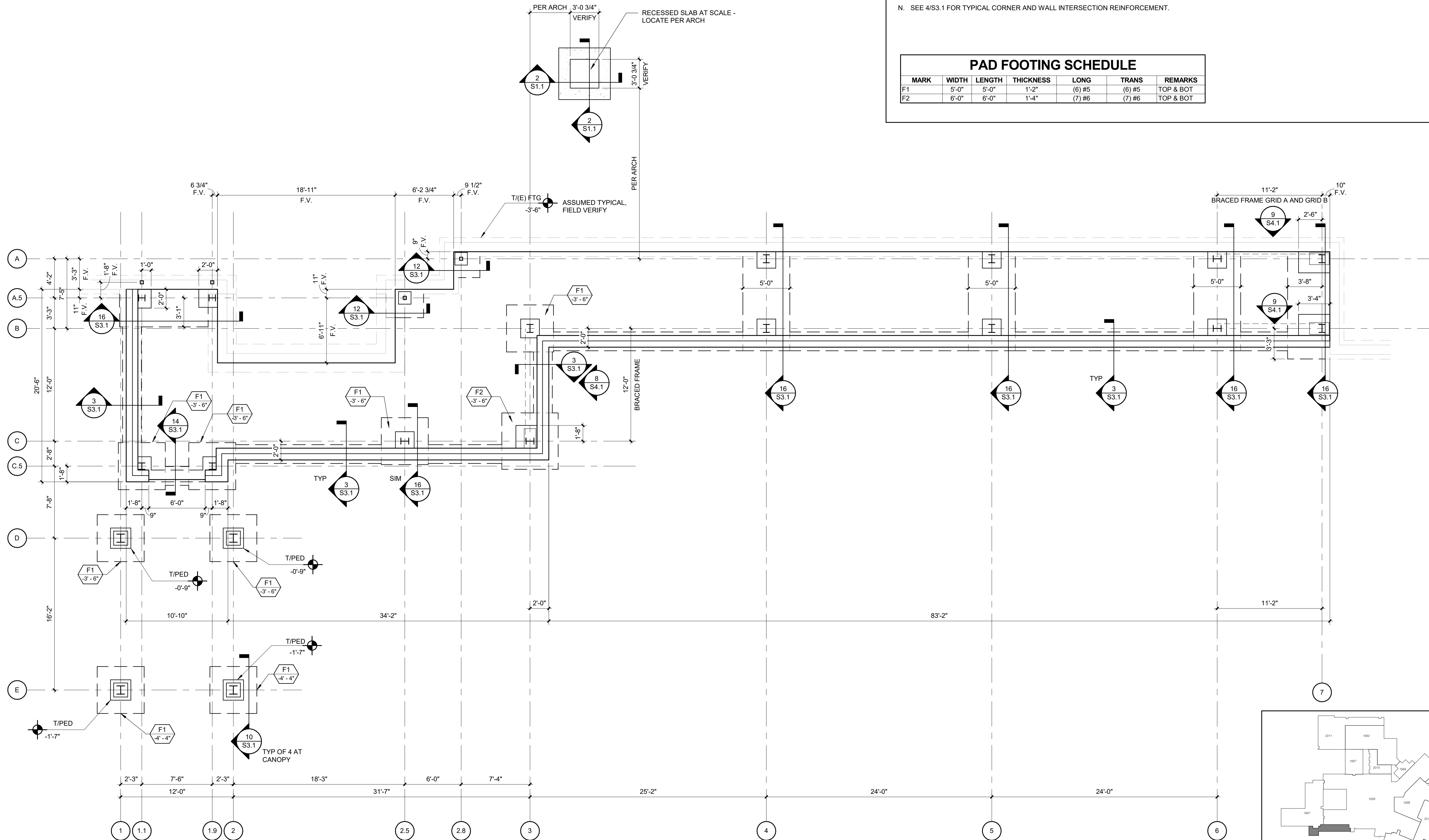
SCALE: 3/4" = 1'-0"

FOUNDATION PLAN NOTES

- A. SEE S0.1 AND S0.2 FOR GENERAL STRUCTURAL NOTES.
- B. SEE GENERAL STRUCTURAL NOTES FOR DESIGN SOIL BEARING PRESSURE.
- C. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- D. SEE ARCHITECTURAL FOR FLOOR SLAB SLOPE REQUIREMENTS.
- E. SLAB SUBGRADE PREPARATION SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT.
- F. COMPACTED FILL UNDER SLAB ON GRADE SHALL BE 6" FREE DRAINING GRANULAR FILL CONFORMING TO CA-7 OR CA-11.
- G. SEE THIS SHEET FOR PAD FOOTING SCHEDULE.
- H. T/FOOTING ELEVATION = -3'-6" UNLESS OTHERWISE NOTED.
- I. T/SLAB ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- J. TYP T/ FOUNDATION WALL ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- K. T/ CONCRETE PEDESTAL ELEVATION = -0'-8" UNLESS OTHERWISE NOTED.
- L. TYP T/BRICK LEDGE ELEVATION = -0'-8" UNLESS OTHERWISE NOTED ON THIS PLAN.
- M. SEE 5/S3.1 FOR FOUNDATION WALL CONSTRUCTION JOINT.
- N. SEE 4/S3.1 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.
- O. SLAB ON GRADE SHALL BE 4" CAST IN PLACE CONCRETE REINFORCED WITH 6x6 W2.1xW2.1 WWF CENTERED IN THICKNESS POURED OVER MIN 15MIL VAPOR BARRIER.
- P. USE CIRCULAR OR DIAMOND ISOLATION JOINTS AT ALL COLUMNS. SEE DETAIL 9/S3.1 FOR SLAB CRACK CONTROL AT ISOLATION JOINT.
- Q. INSTALL CONTROL/CONSTRUCTION JOINTS AT ALL COLUMNS, INTERIOR CORNERS, AND WITH A MAX. JOINT SPACING OF 10'-0" OC. SEE DETAIL 1/S3.1.
- R. SEE DETAIL 2/S3.1 FOR SLAB CRACK CONTROL DETAILS.
- T. SEE S5.1 FOR BASE PLATE DETAILS.
- U. ANCHOR EMBED. DEPTH SHALL BE MEASURED FROM TOP OF PEDESTAL OR FOOTING, NOT TOP OF SLAB.
- V. SEE ARCHITECTURE AND PLUMBING FOR WATERPROOFING REQUIREMENTS.

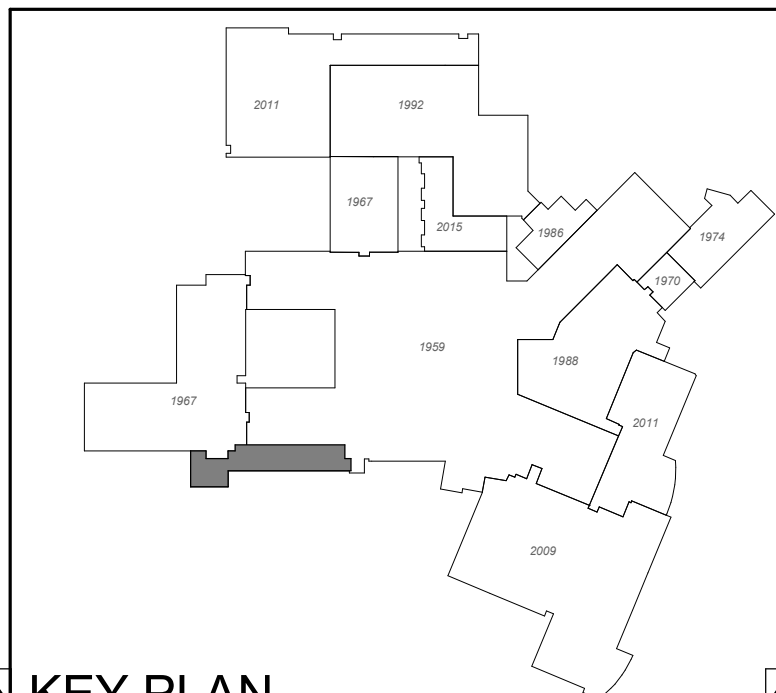
PAD FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	LONG	TRANS	REMARKS
F1	5'-0"	5'-0"	1'-2"	(6) #5	(6) #5	TOP & BOT
F2	6'-0"	6'-0"	1'-4"	(7) #6	(7) #6	TOP & BOT



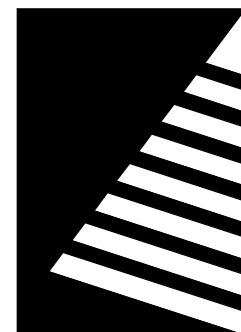
1 FOUNDATION PLAN

SCALE: 3/16" = 1'-0"



KEY PLAN

SCALE: NOT TO SCALE



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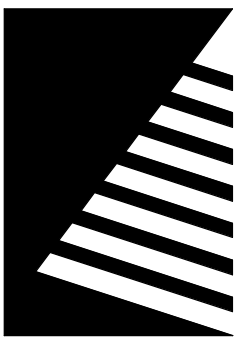
DATE: 01/15/2021
DESIGNED: AKC
DRAWN: AKC
REVIEWED: PMH

SHEET TITLE:
FOUNDATION PLAN

SHEET NUMBER:

S1.1

PROJECT NO.: 0200707.00



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ROOF FRAMING PLAN NOTES

- A. SEE S0.1 AND S0.2 FOR GENERAL STRUCTURAL NOTES.
B. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
C. SEE SS.1 FOR COLUMN SCHEDULE.
D. T/BREAM ELEVATION = 10'-0" UNLESS NOTED THUS: $\frac{\text{SHAPE}}{\text{X'-XX"}}$
E. ROOF CONSTRUCTION: 1 1/2" 20 GA ROOF DECK, MIN 2 SPAN CONTINUOUS, FASTEN WITH #12 SELF DRILLING SCREWS IN A 36/9 PATTERN WITH #10 SCREWS AT 4" OC AT SIDELAPS OR WITH 5/8" ARC SPOT WELDS IN A 36/7 PATTERN WITH #10 SCREWS AT 6" OC AT SIDELAPS.
F. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH ROOF DECK WITH MECHANICAL CONTRACTOR.
G. SEE 3/S4.1 FOR TYPICAL DECK OPENING/EQUIPMENT SUPPORT FRAMING.
H. FOR TYPICAL MOMENT CONNECTIONS, SEE 2/S4.1.
I. FOR SIMPLE SHEAR FRAMED CONNECTIONS, SEE 1/S4.1.
J. STEEL CONNECTIONS: \triangleleft MOMENT FRAMED
—|— SIMPLE SHEAR FRAMED
NOTED OTHERWISE.
K. ALL PARTITION WALLS ARE TO BE CONSIDERED NON-STRUCTURAL UNLESS NOTED OTHERWISE.
L. CONTRACTOR TO FIELD VERIFY EXISTING CONDITONS PRIOR TO STEEL FABRICATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.

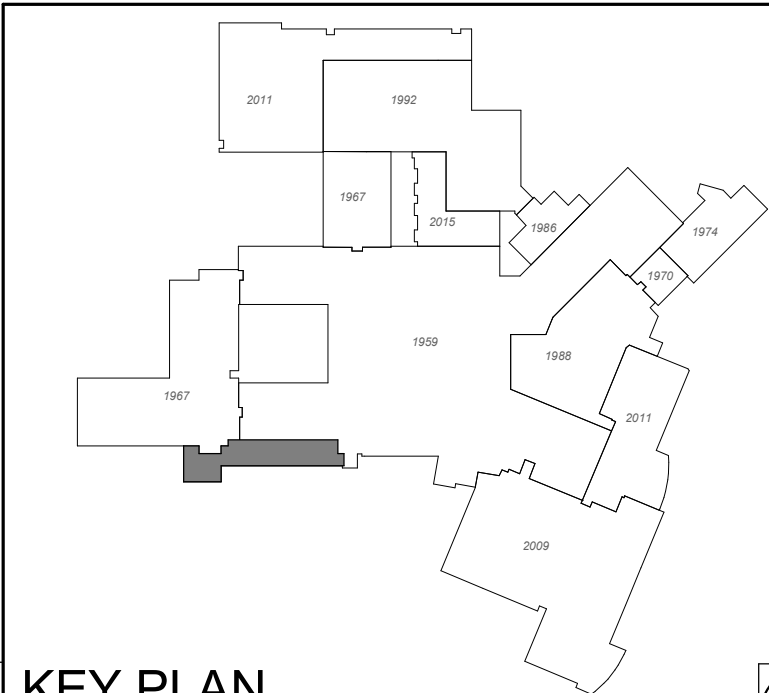
2 VESTIBULE ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

1 ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

11/14/2021 2:18:47 PM



KEY PLAN

SCALE: NOT TO SCALE

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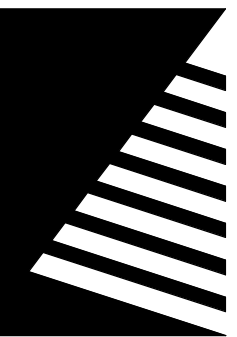
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SHEET TITLE:
ROOF FRAMING PLAN

SHEET NUMBER:

S2.1

PROJECT NO.: 0200707.00



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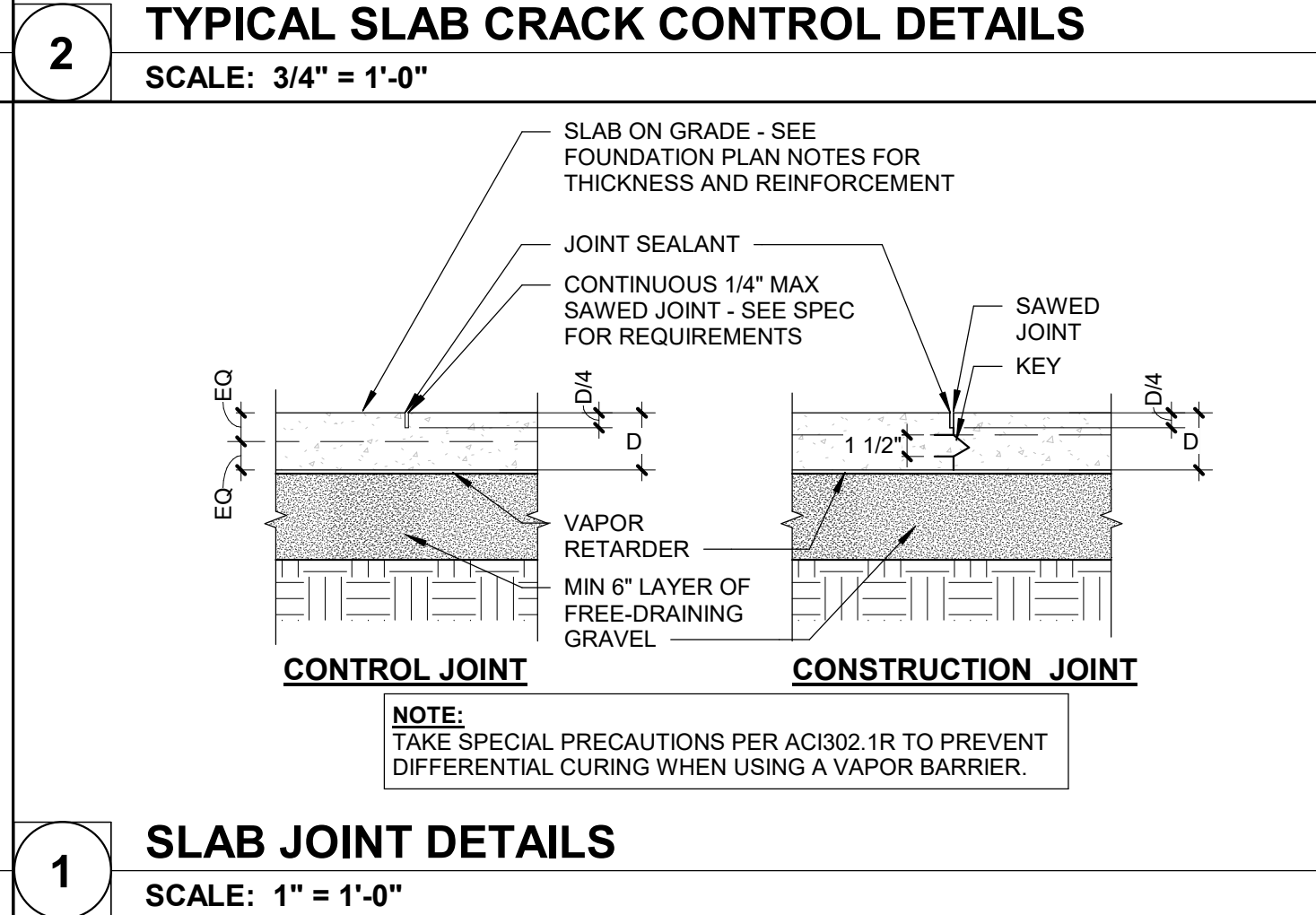
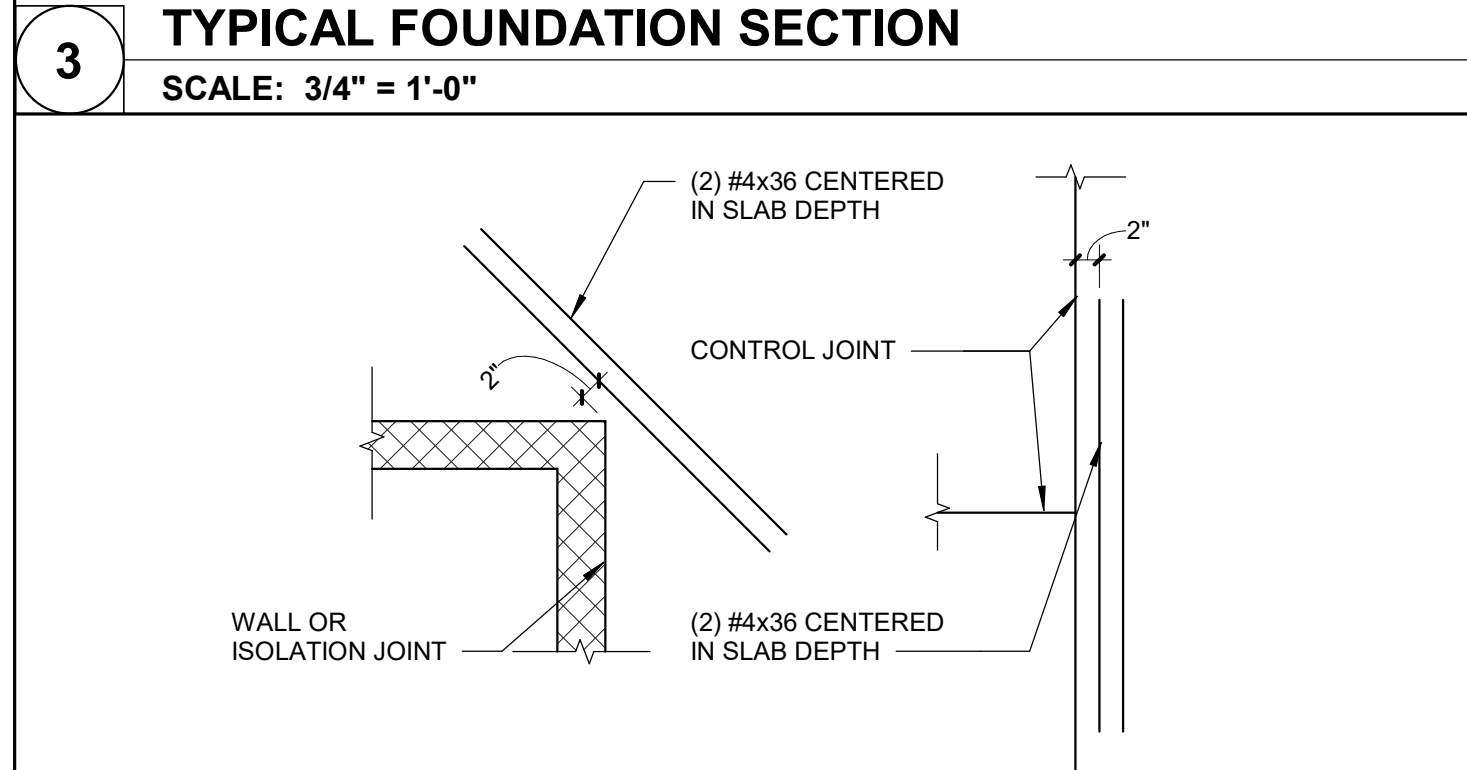
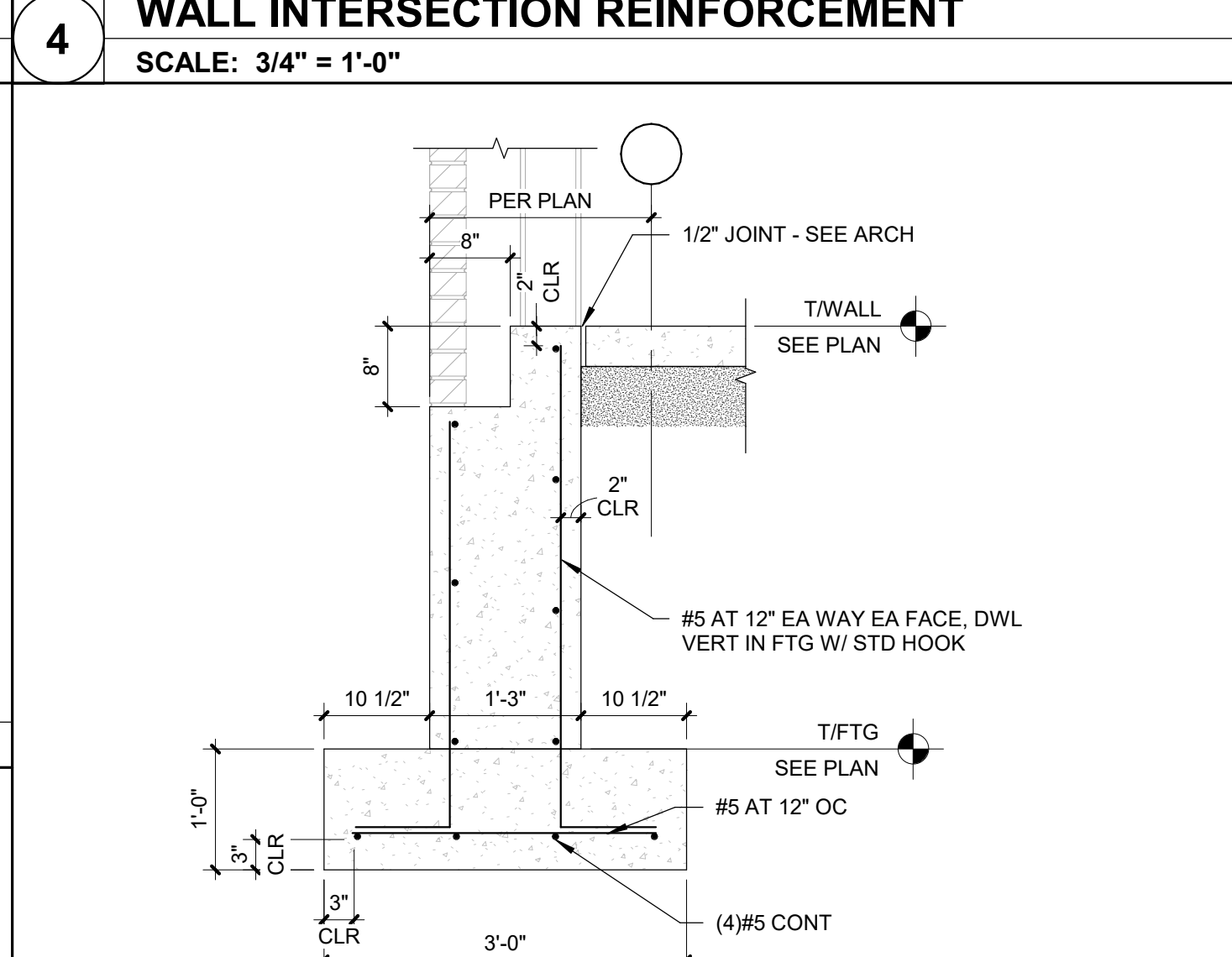
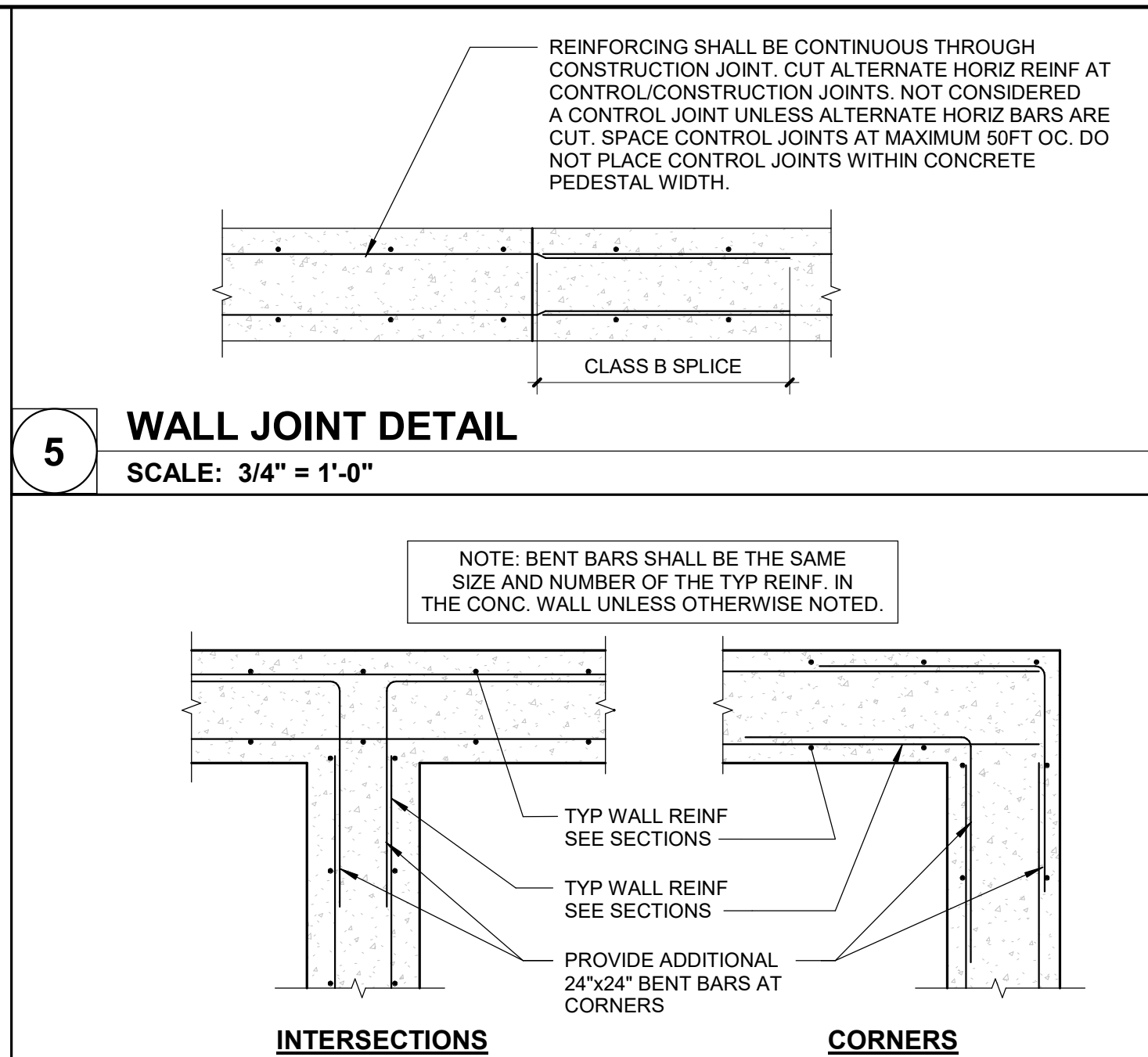
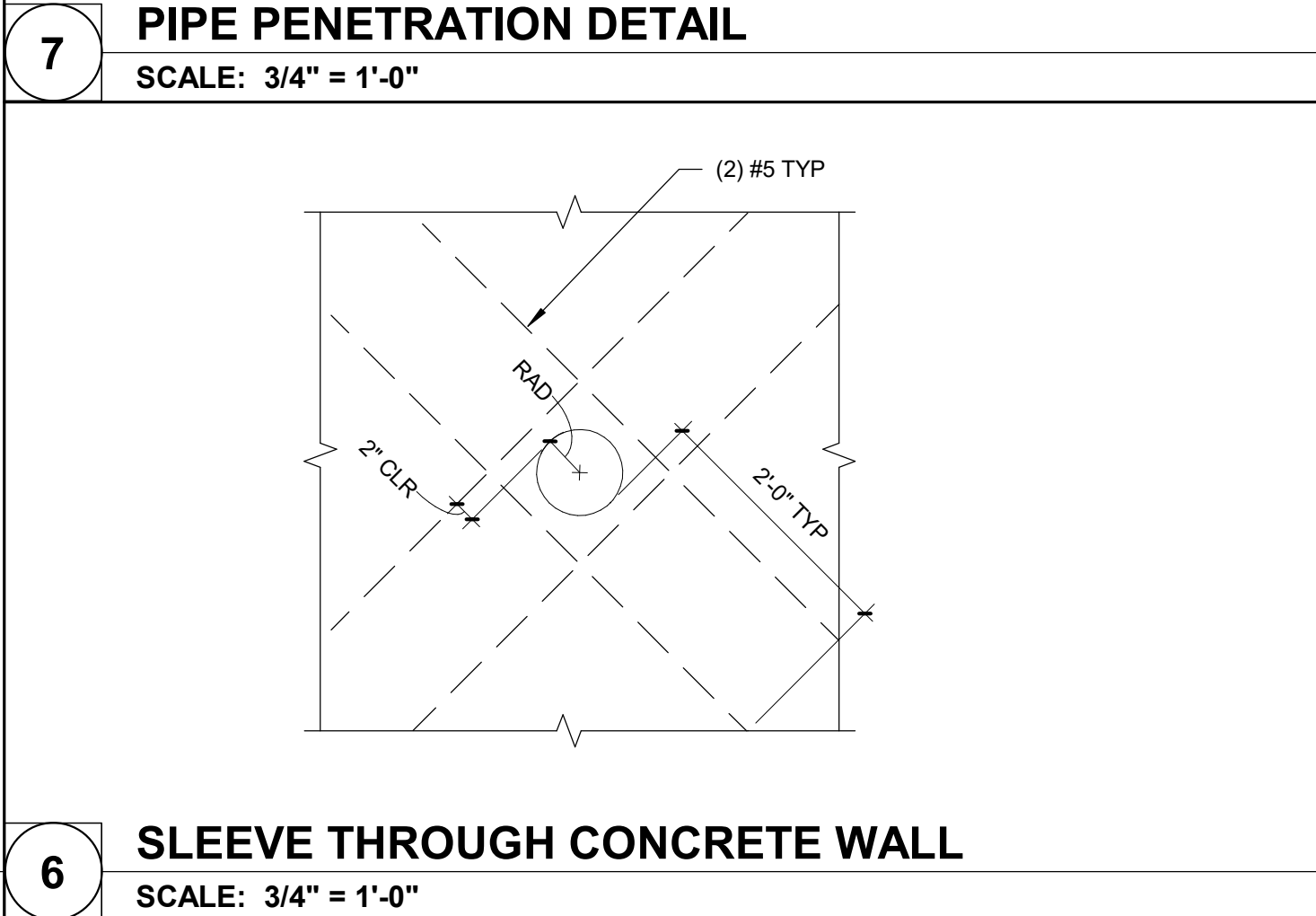
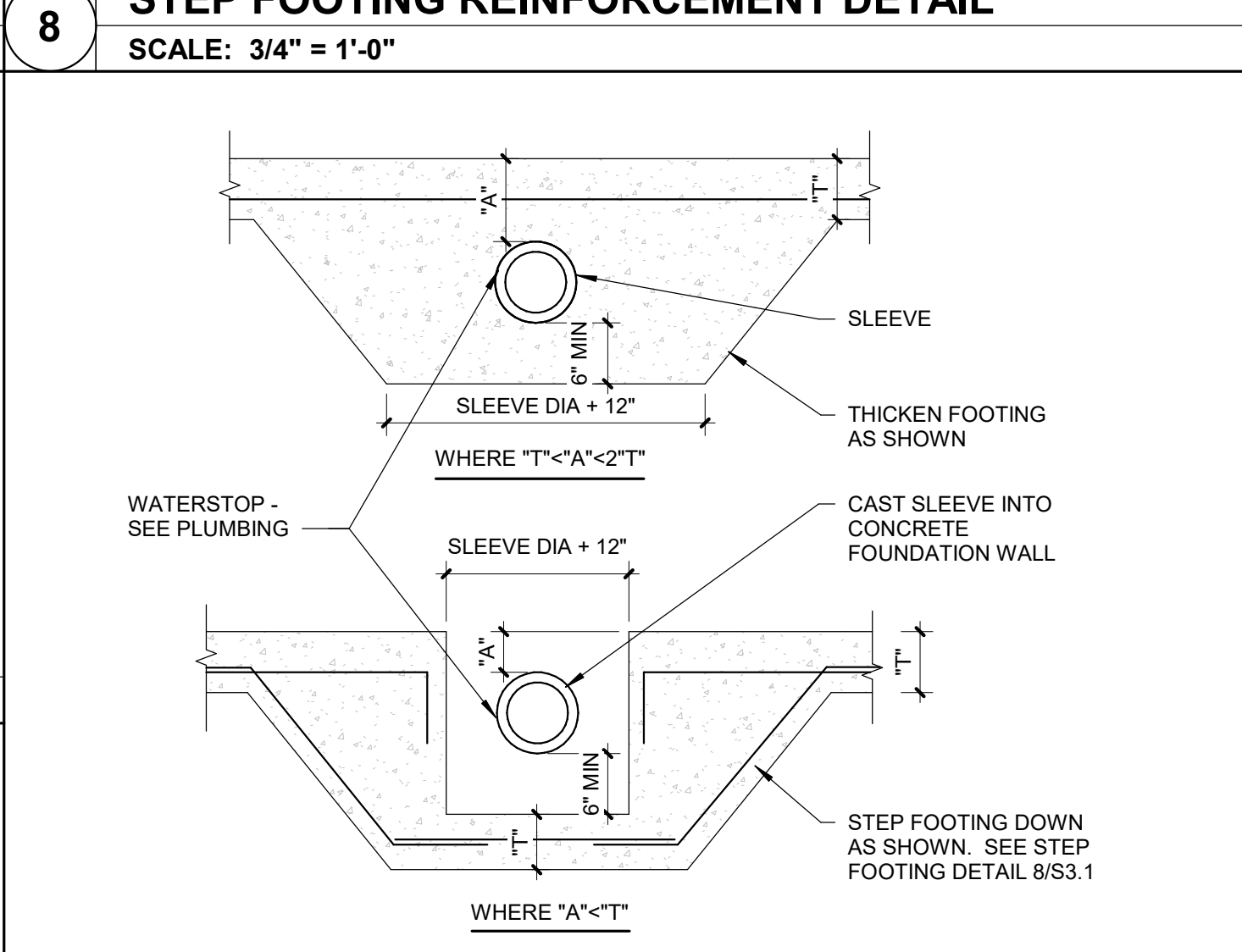
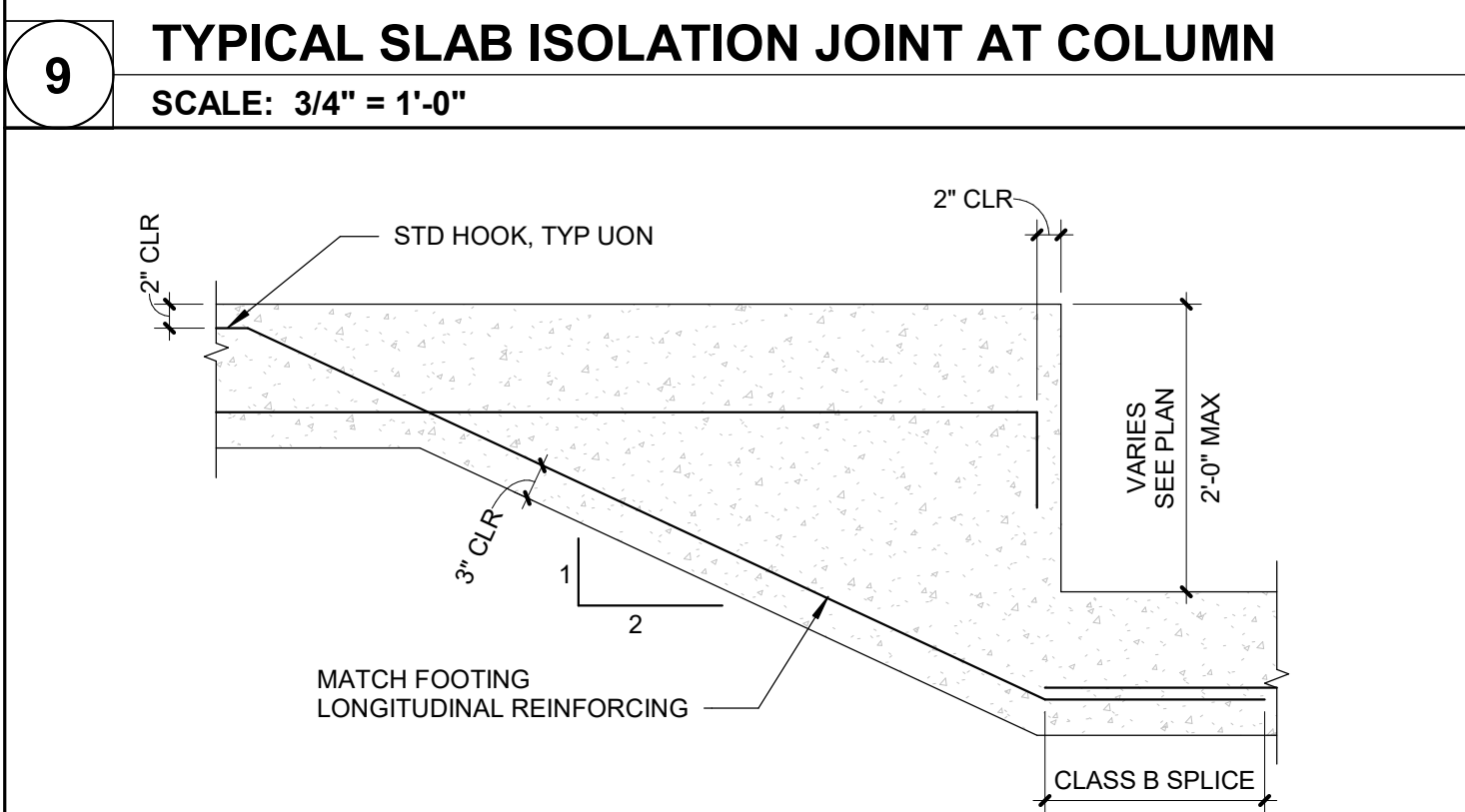
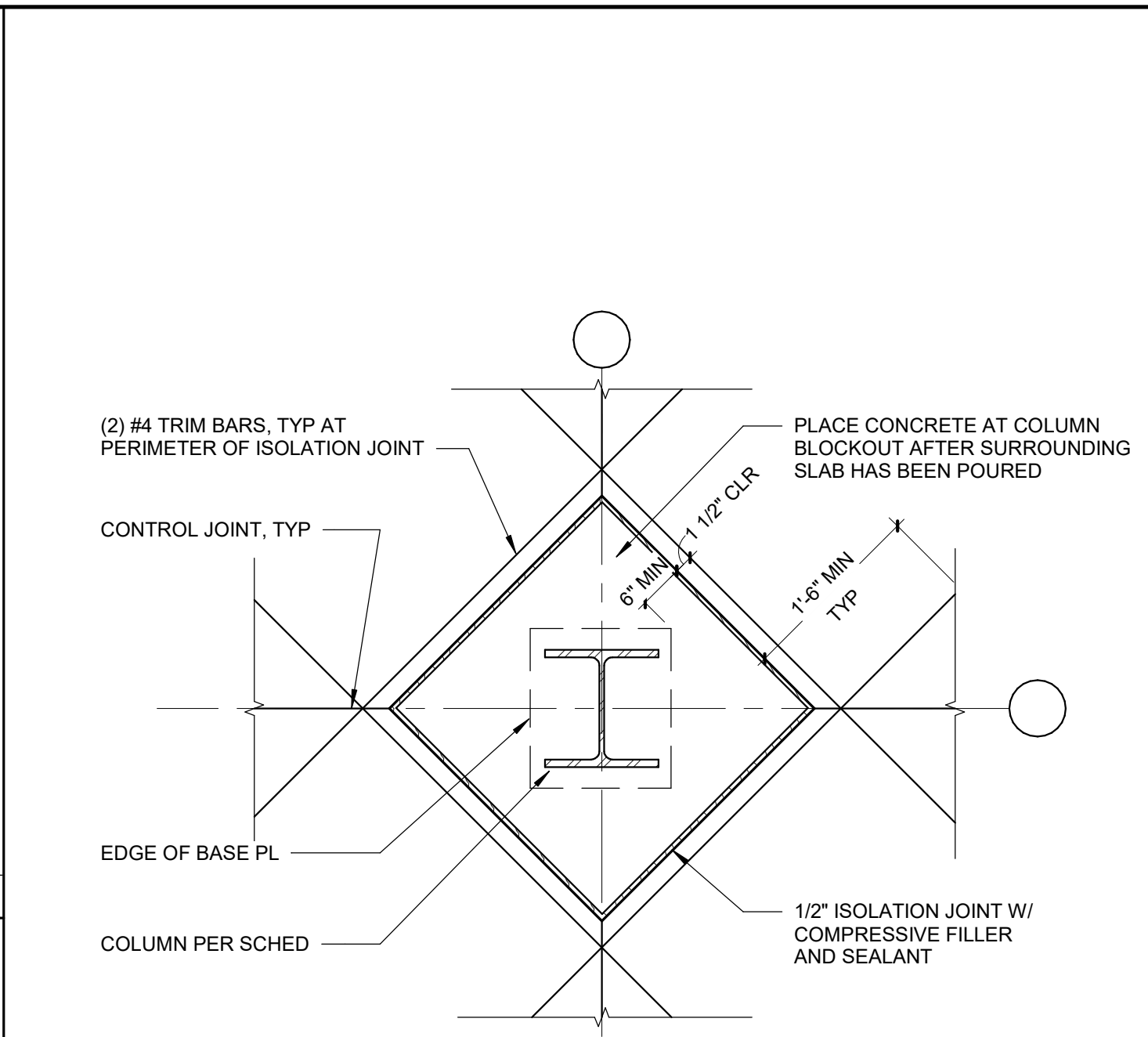
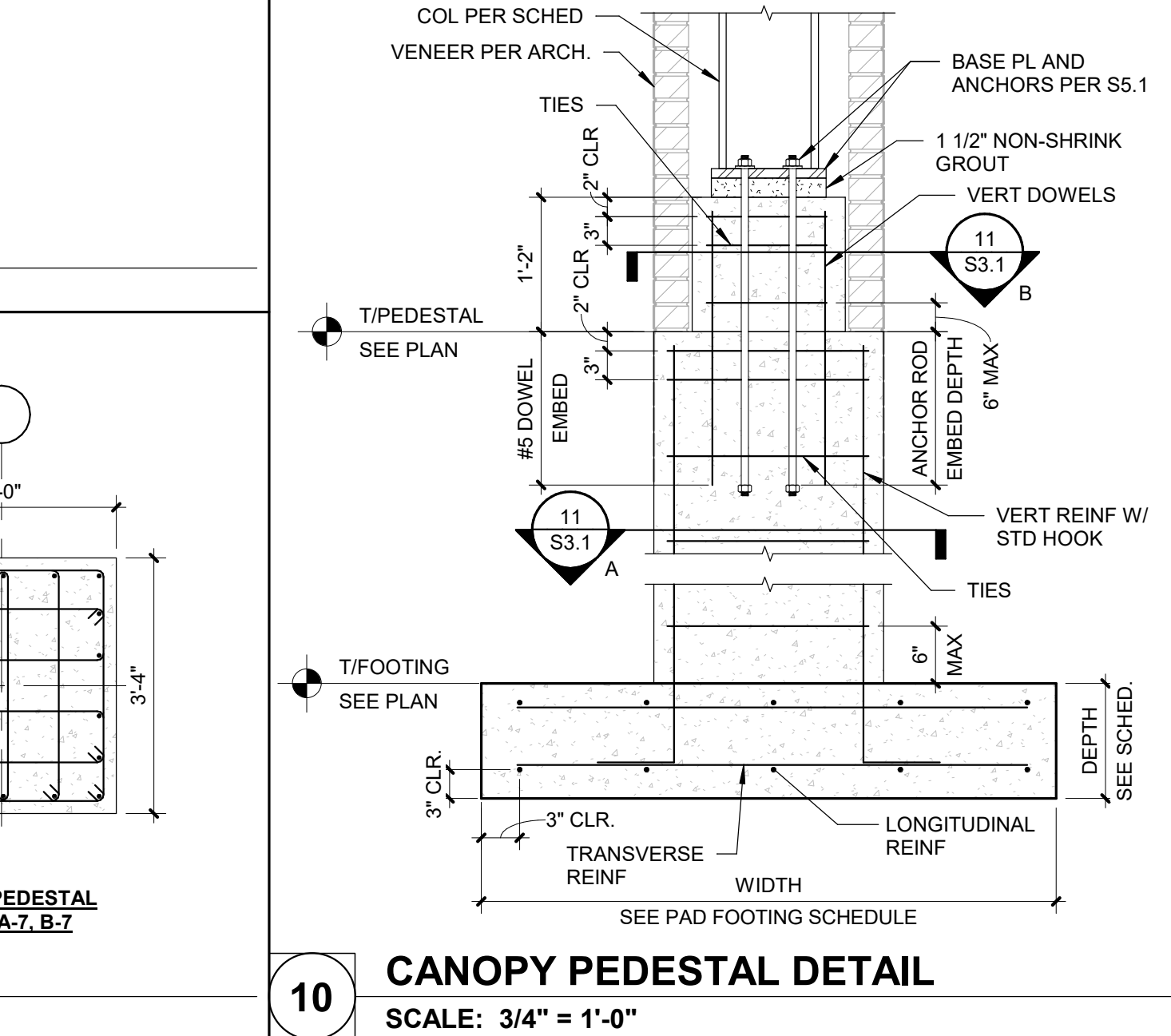
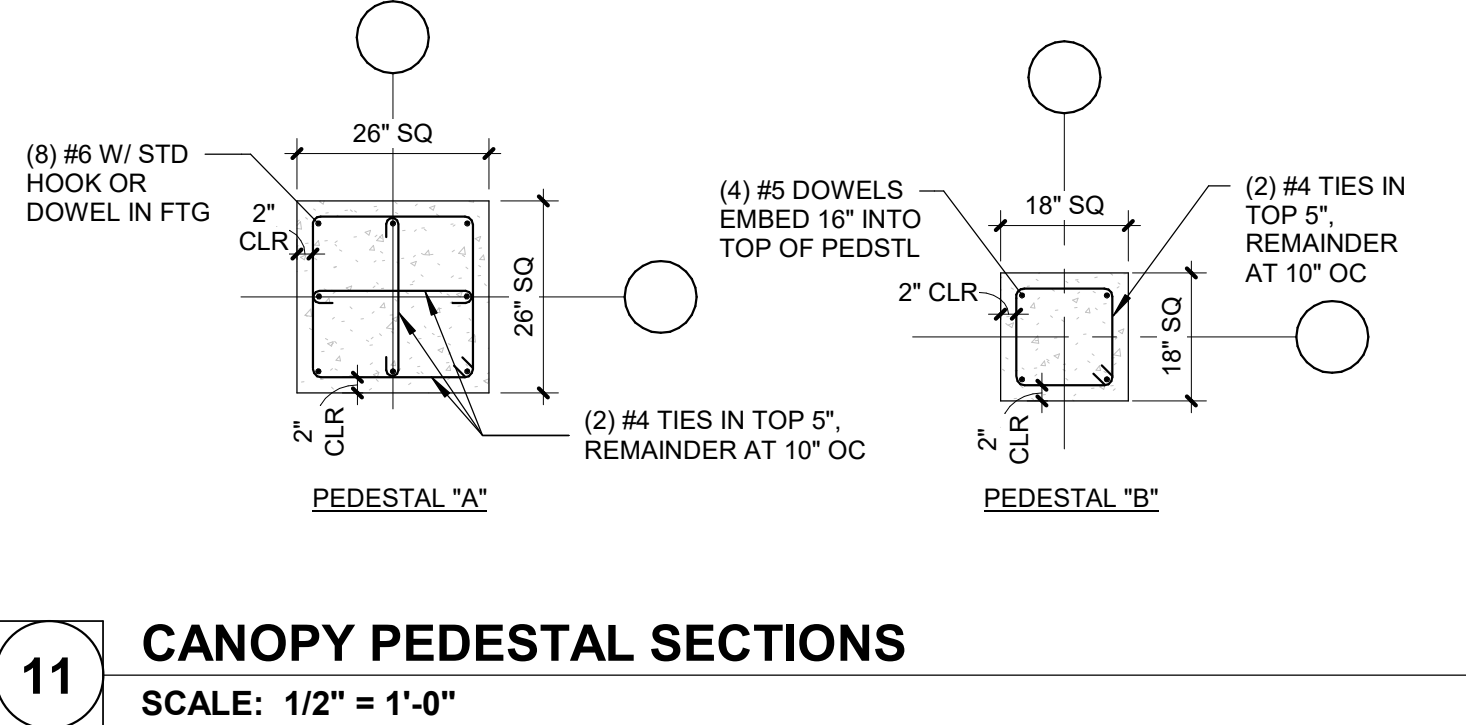
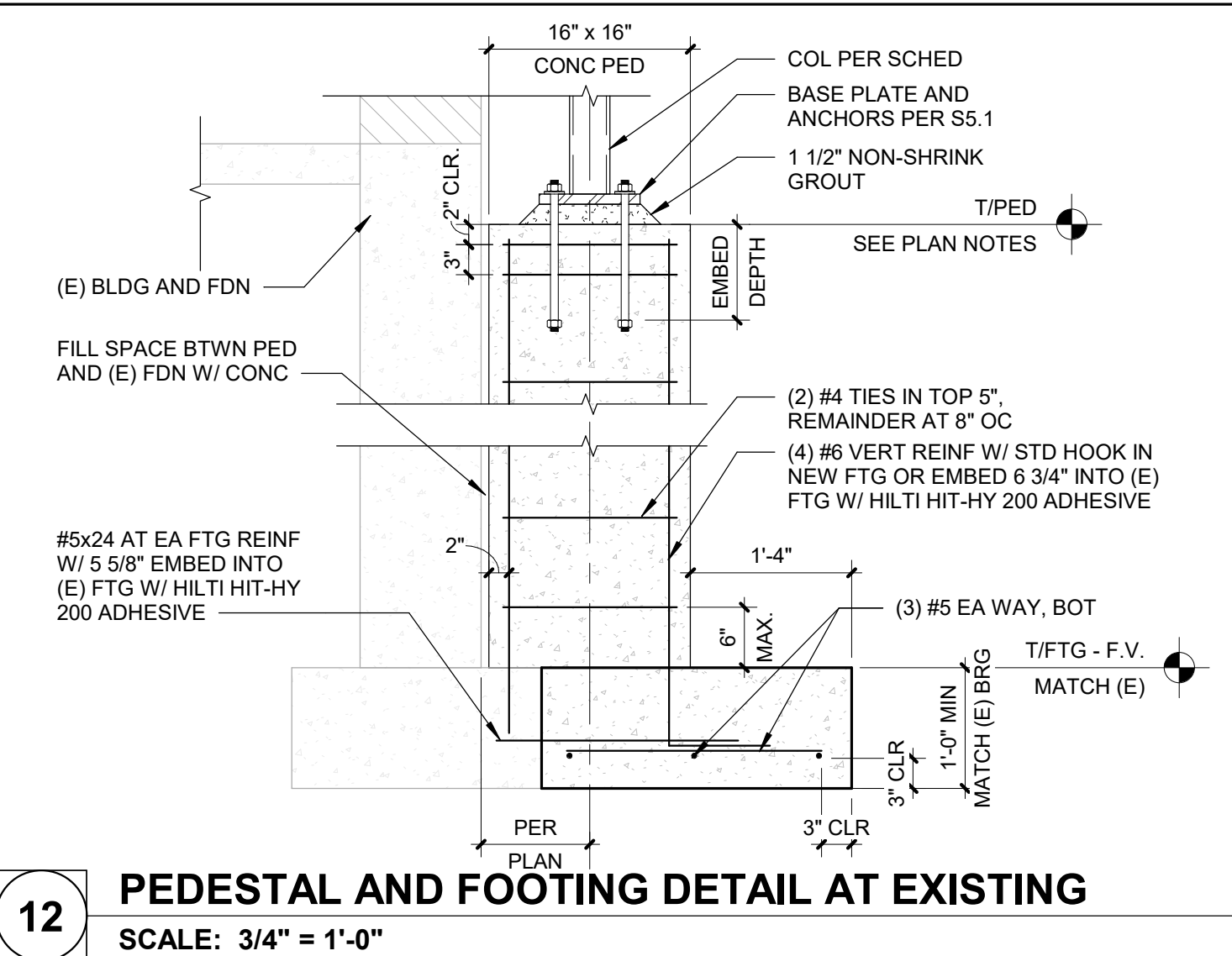
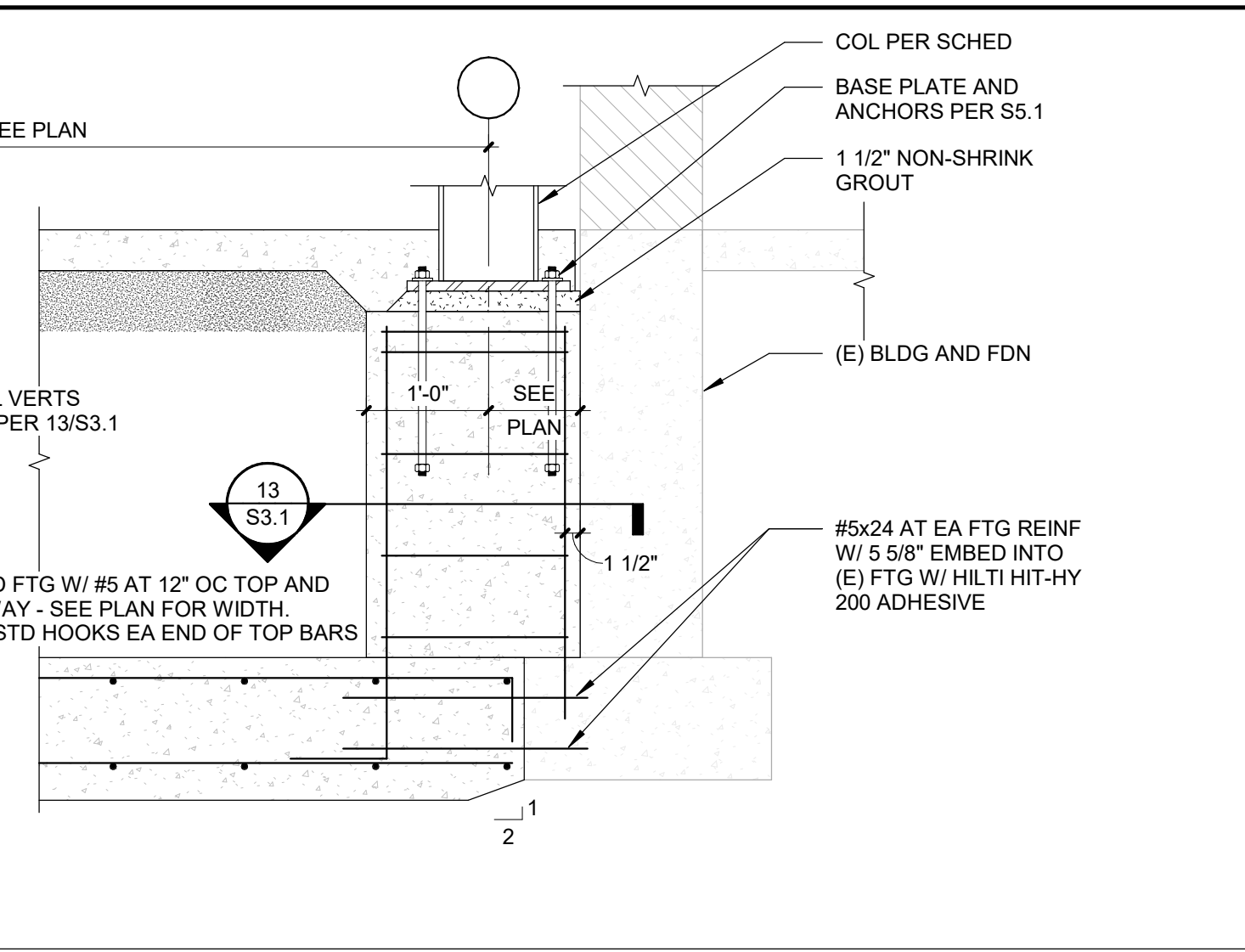
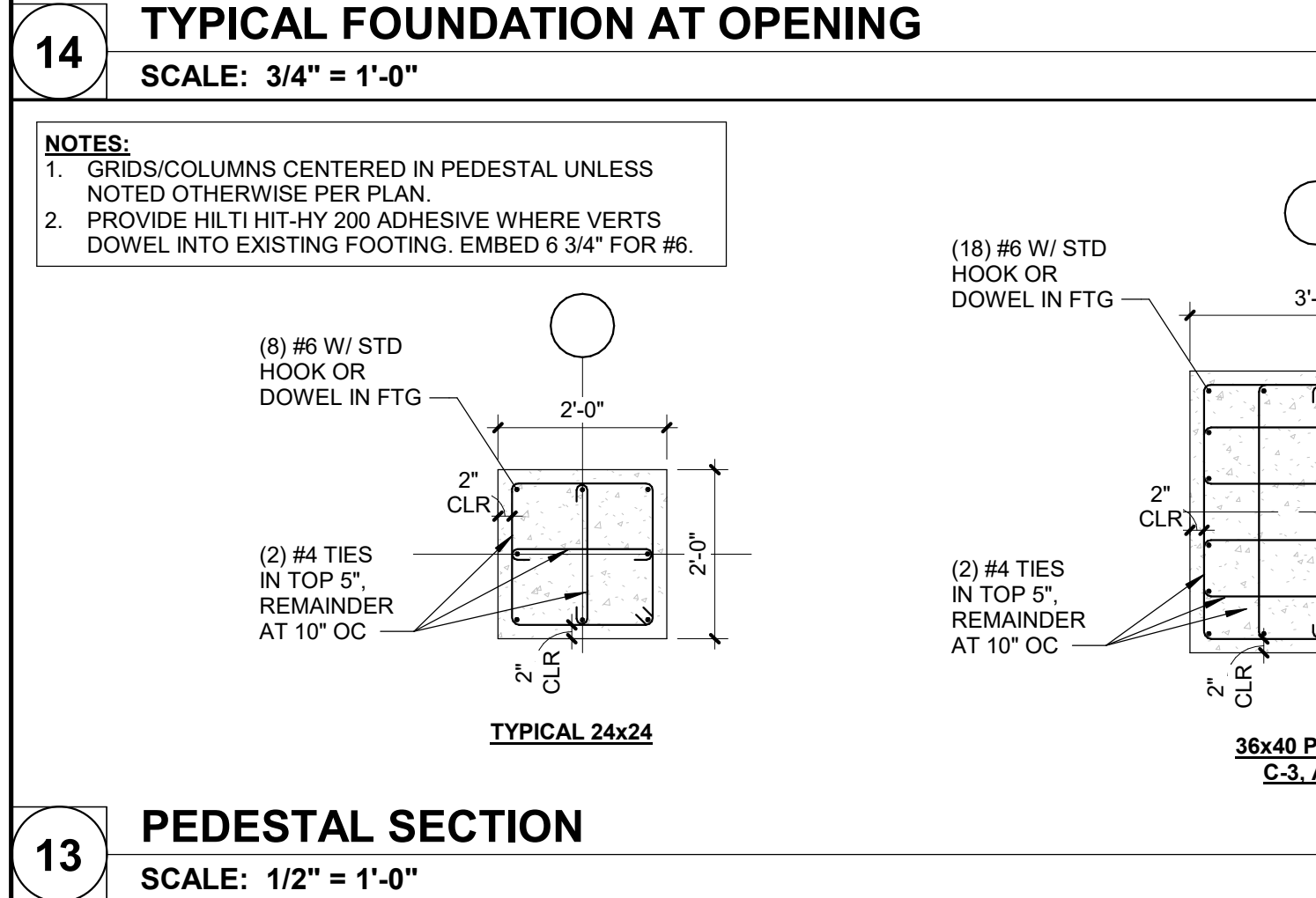
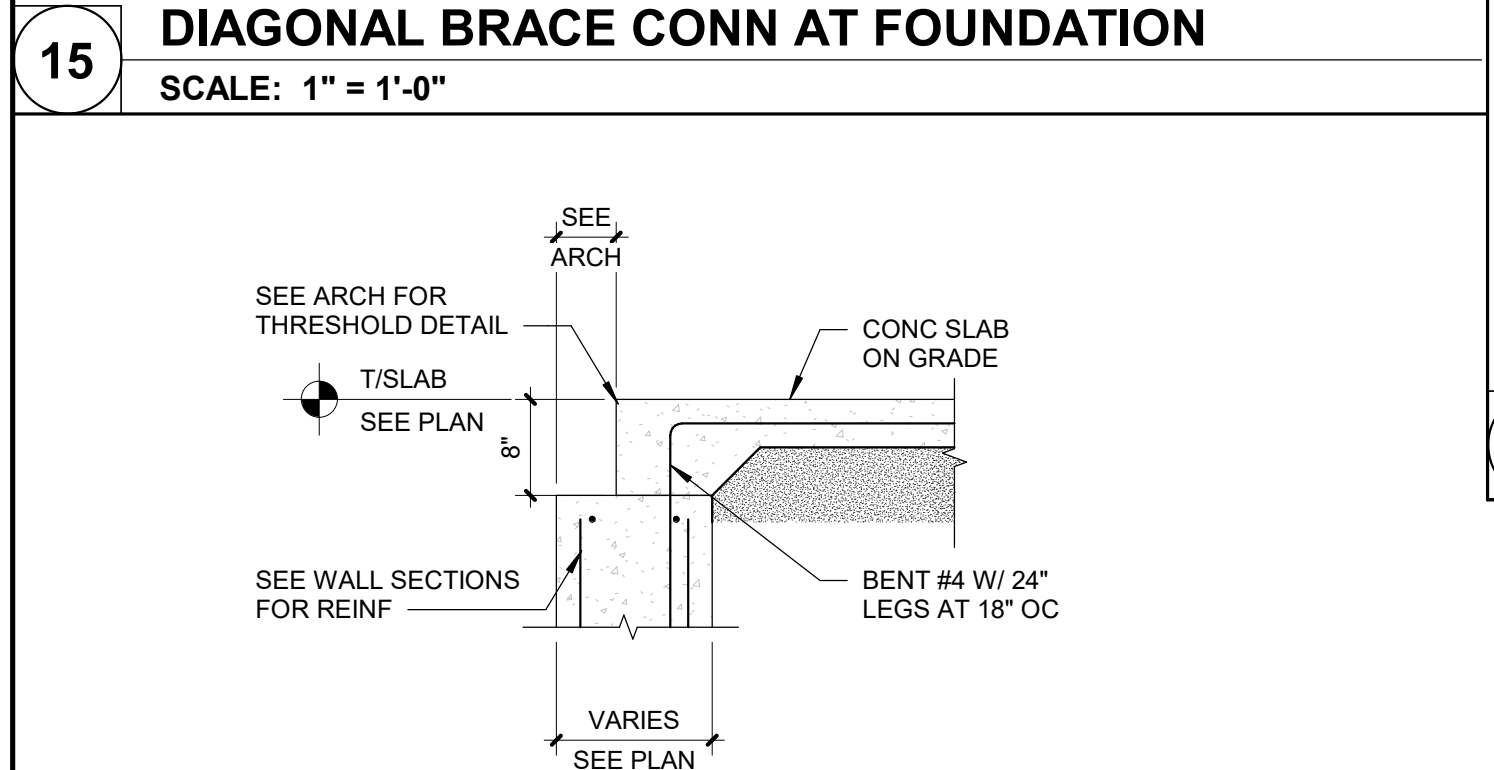
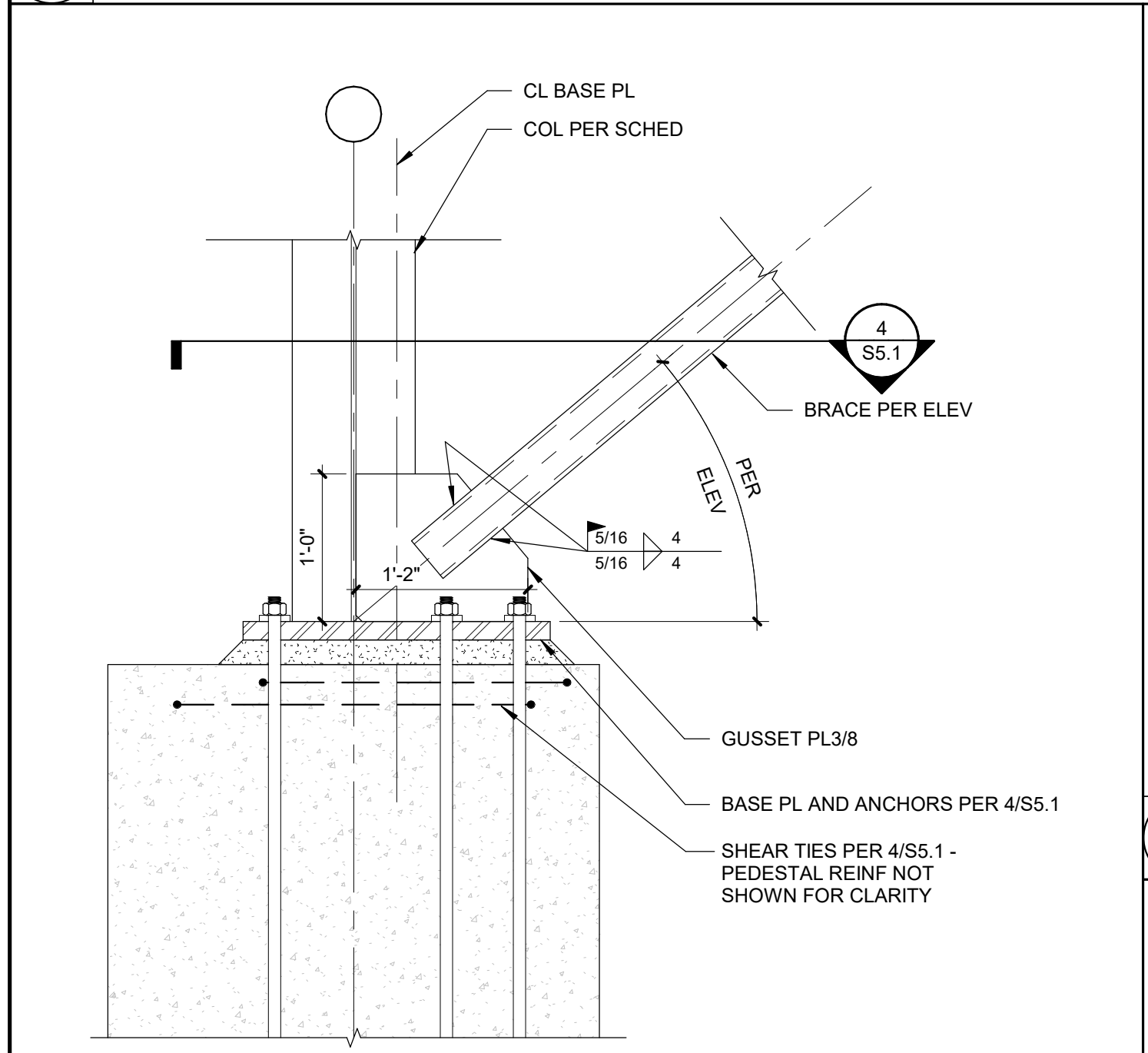
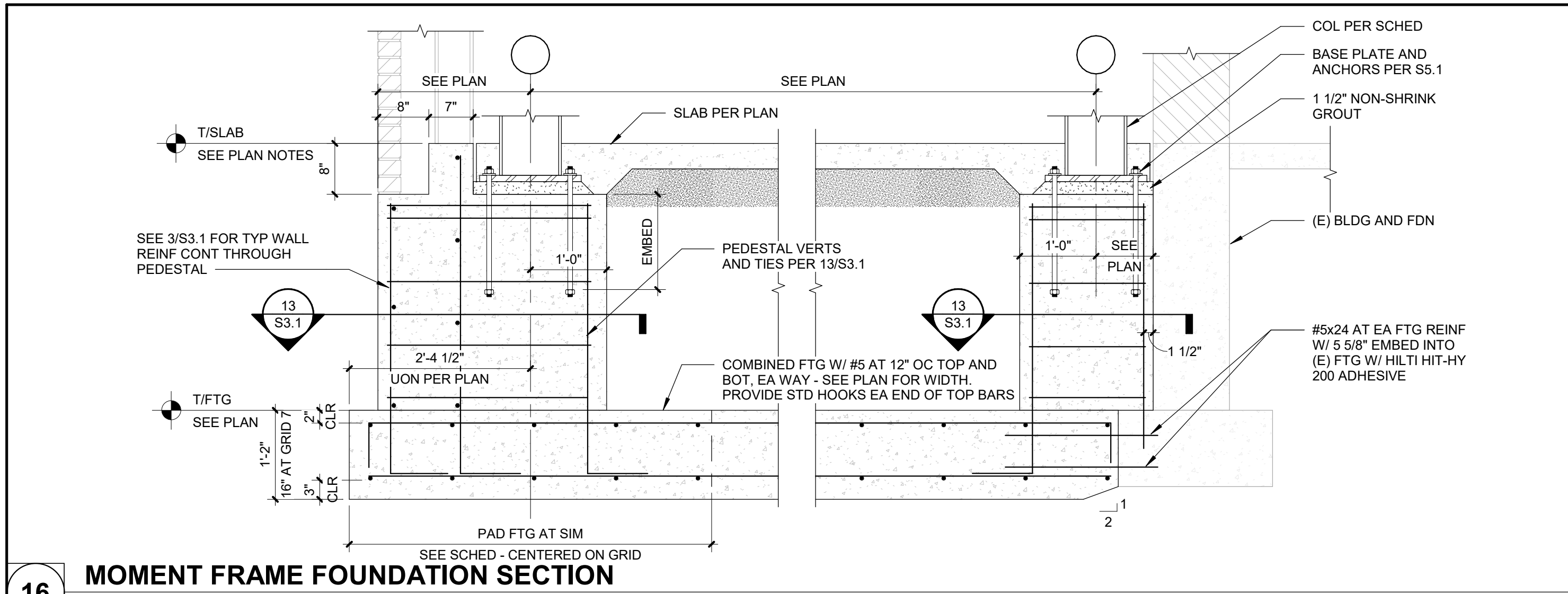
SHEET TITLE:

FOUNDATION
DETAILS

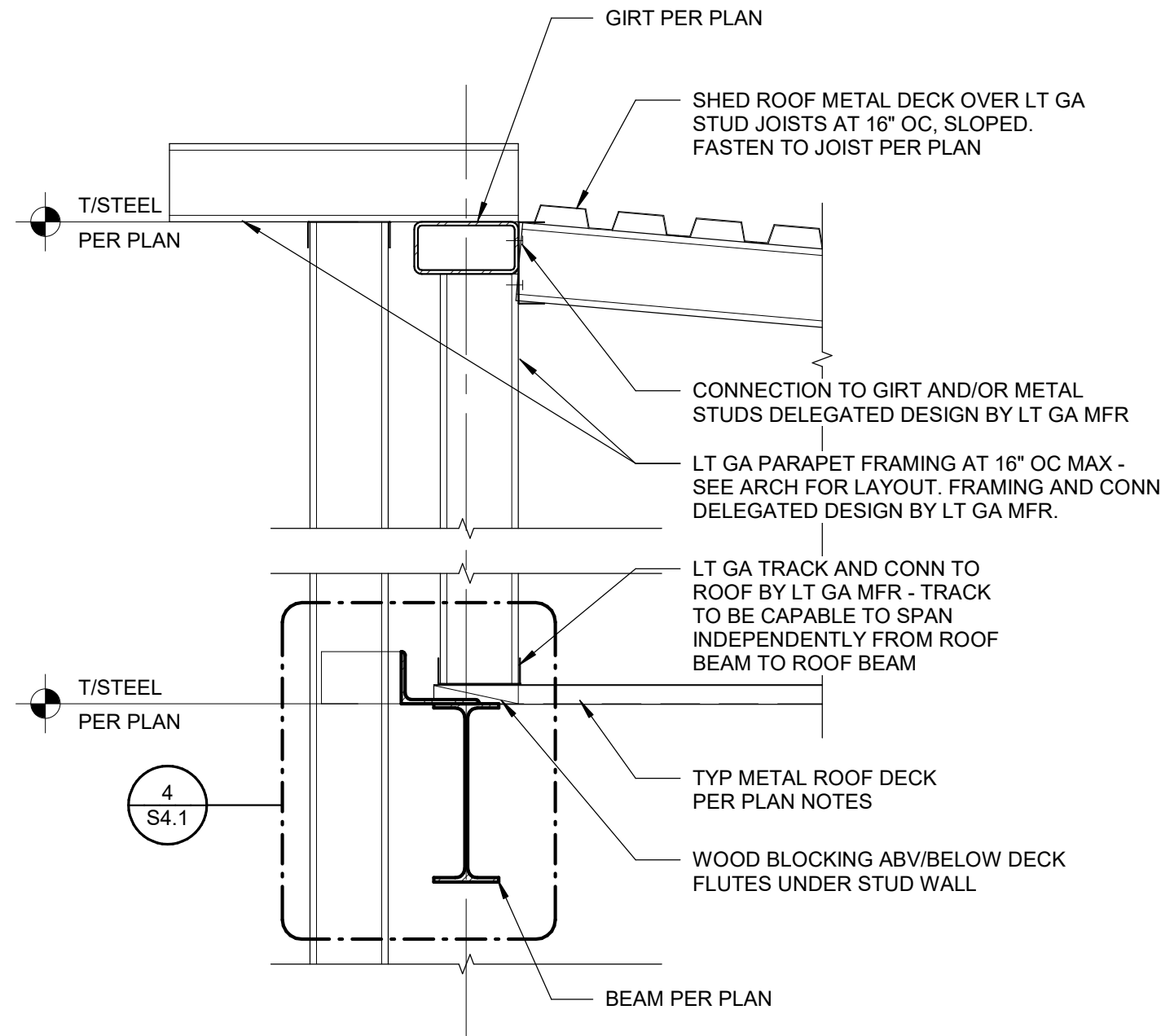
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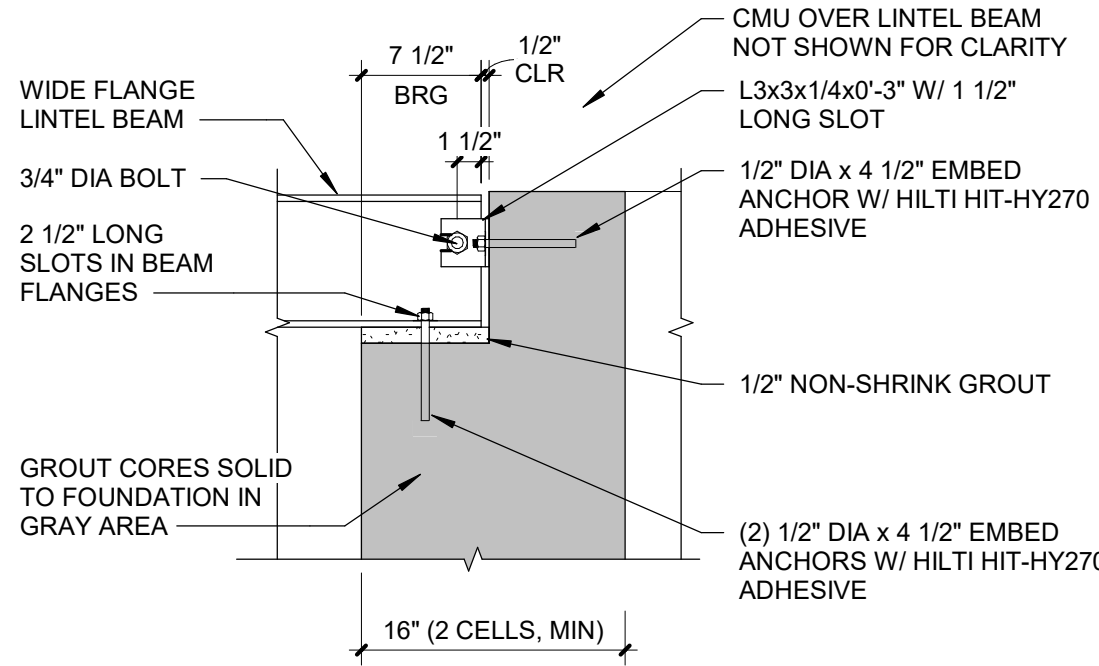
PROJECT NO.: 0200707.00



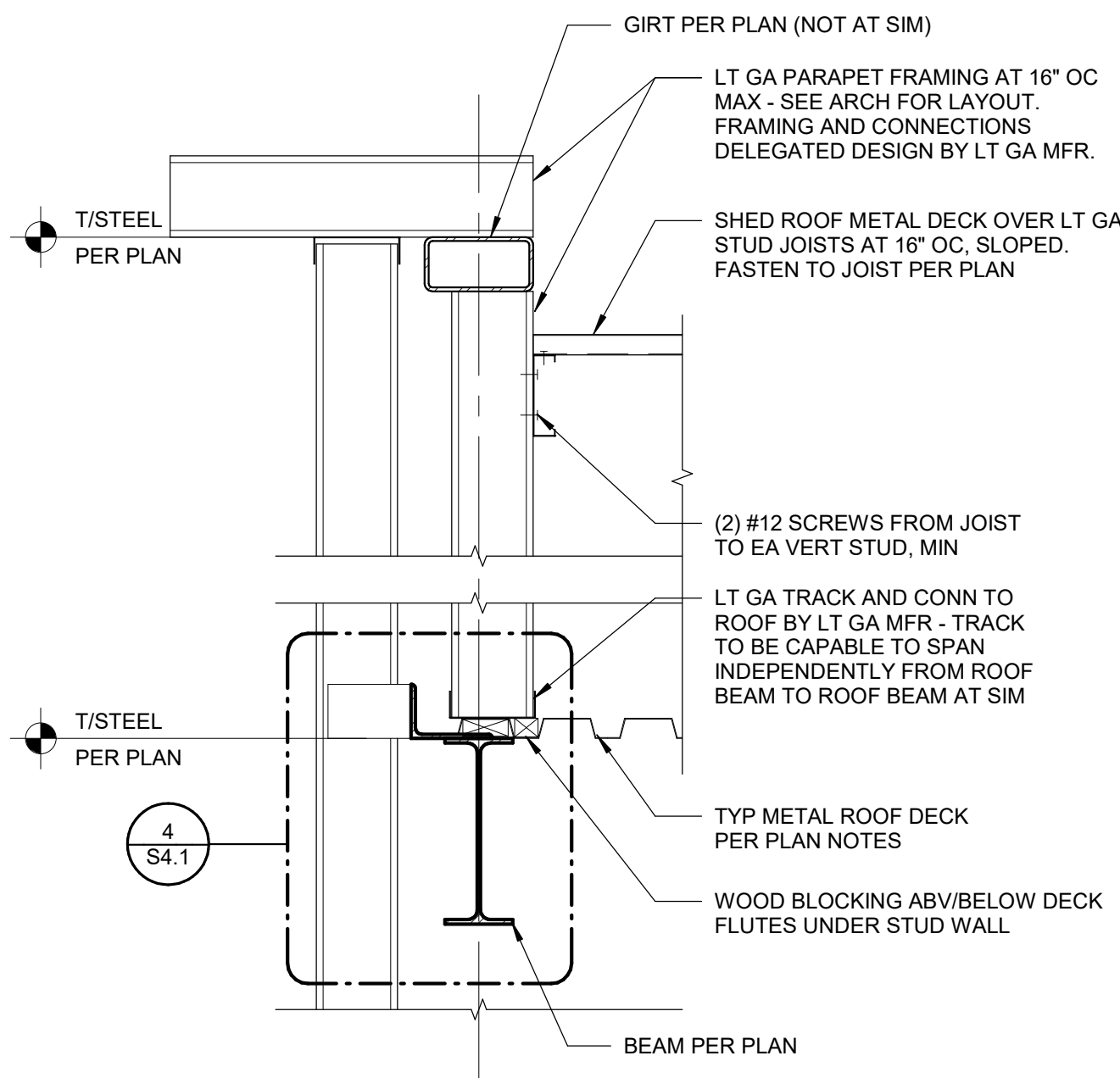
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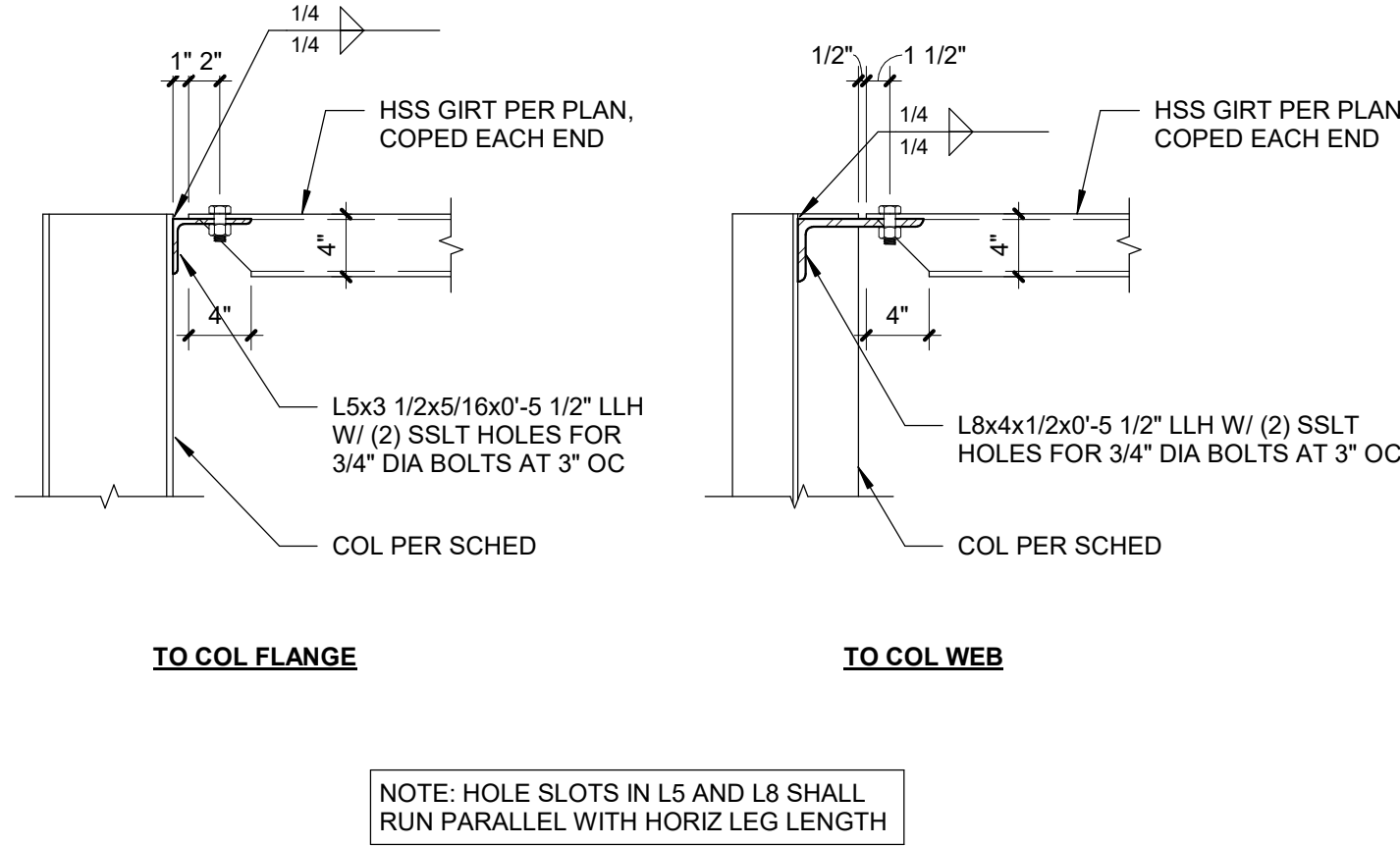
13 SHED ROOF AT TOP OF PARAPET GRID C.5
SCALE: 1" = 1'-0"



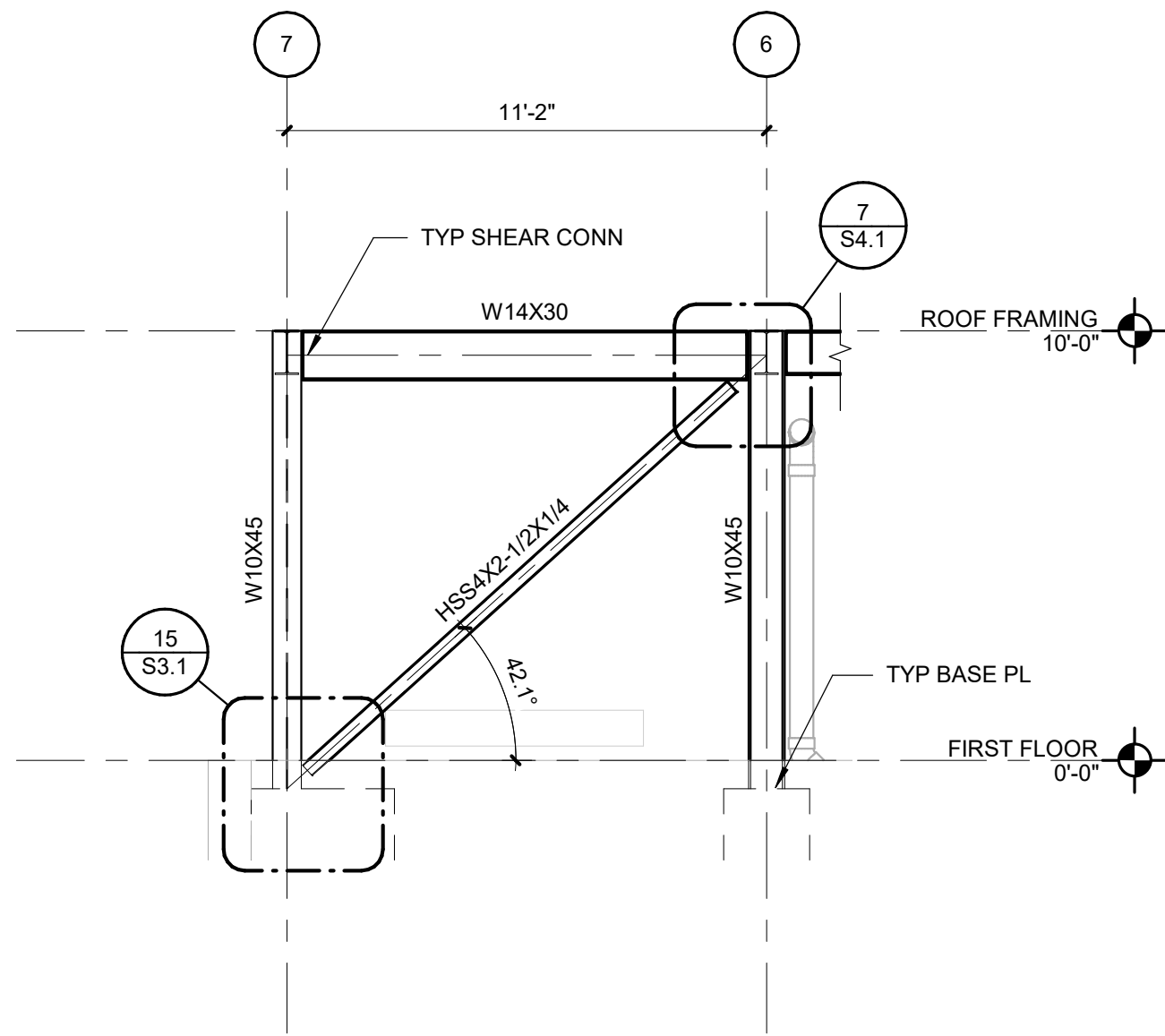
12 BEAM BEARING PARALLEL TO CMU WALL
SCALE: 1" = 1'-0"



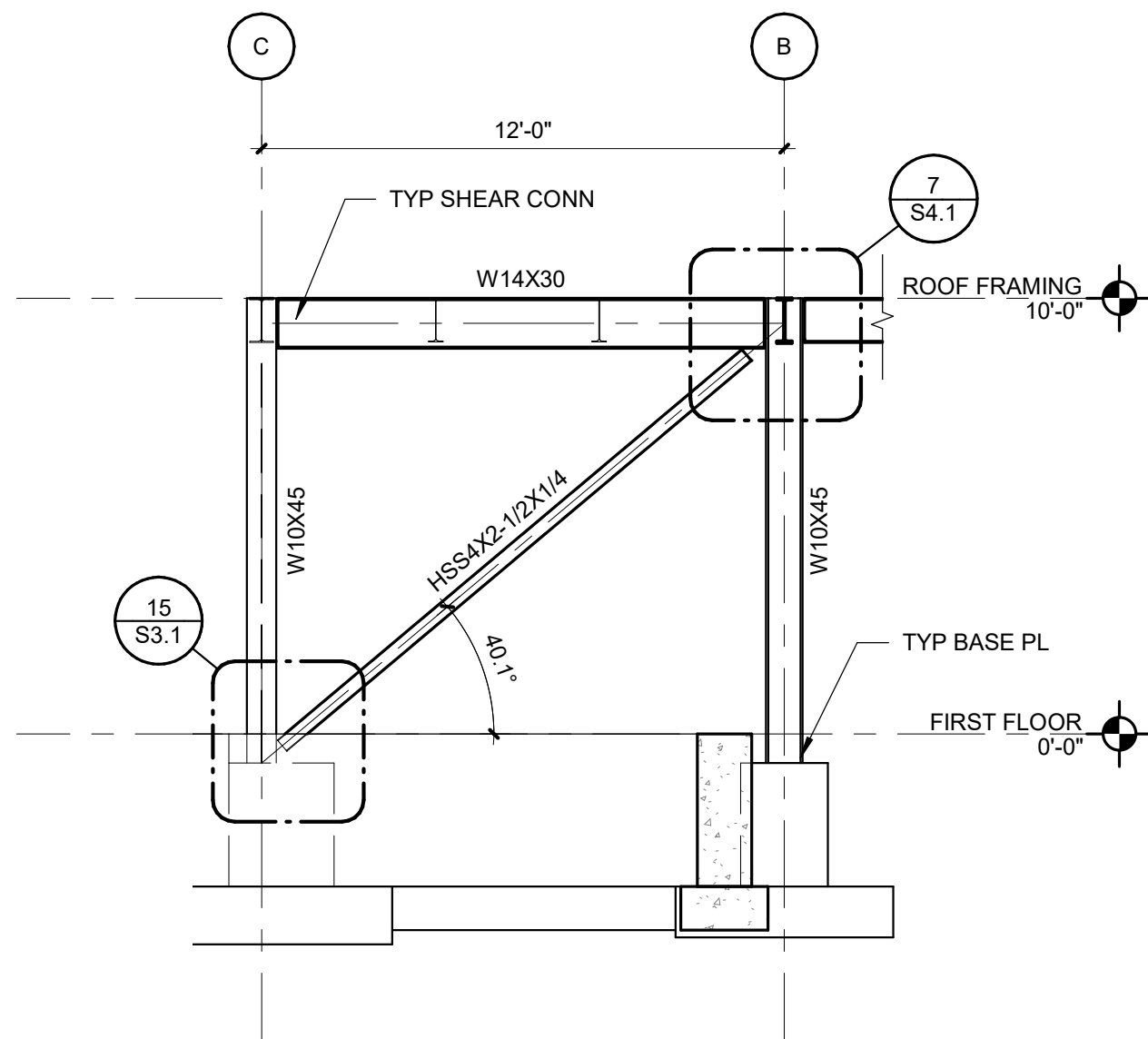
11 SHED ROOF AT TOP OF PARAPET
SCALE: 1" = 1'-0"



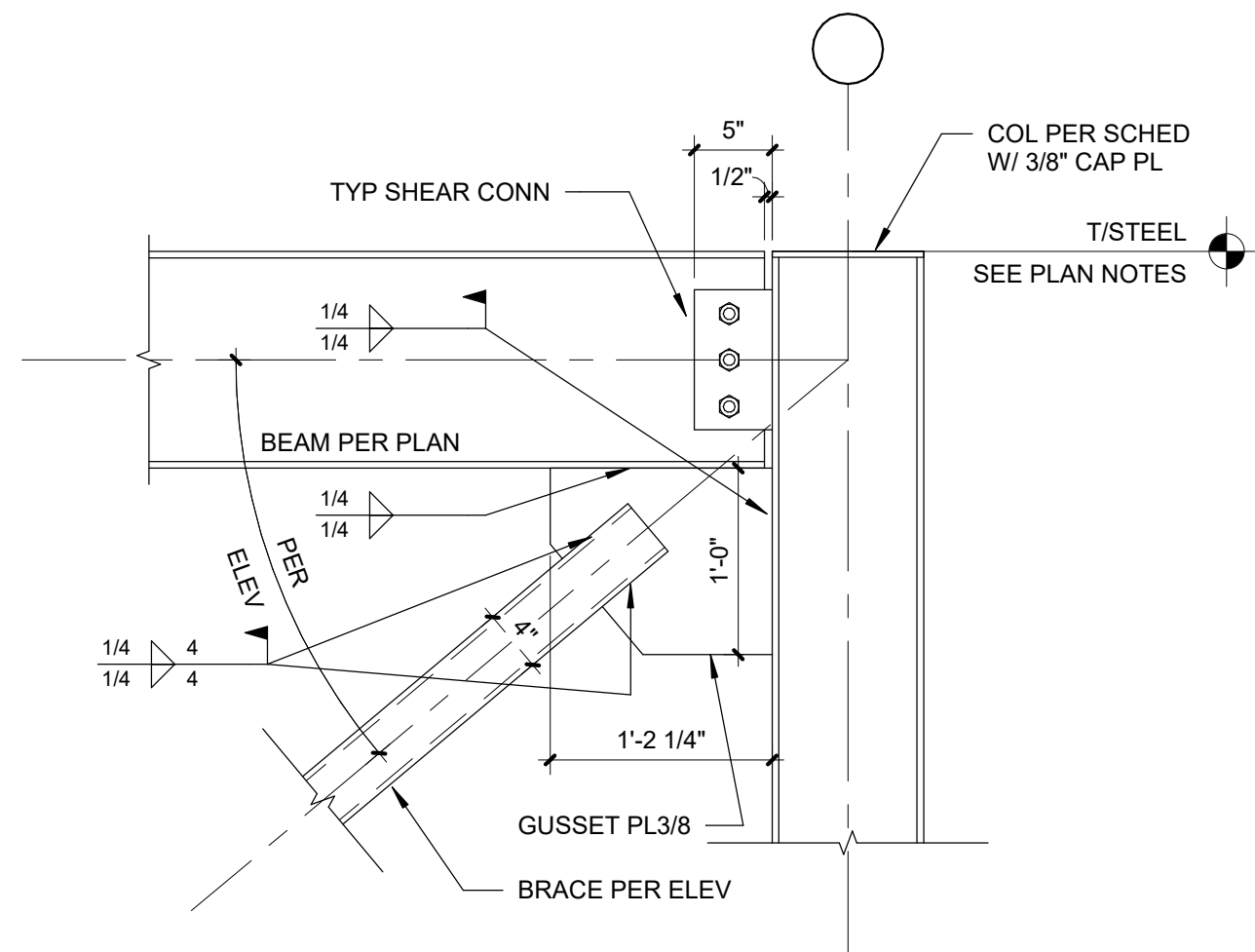
10 HIGH GIRT CONNECTION DETAIL
SCALE: 1" = 1'-0"



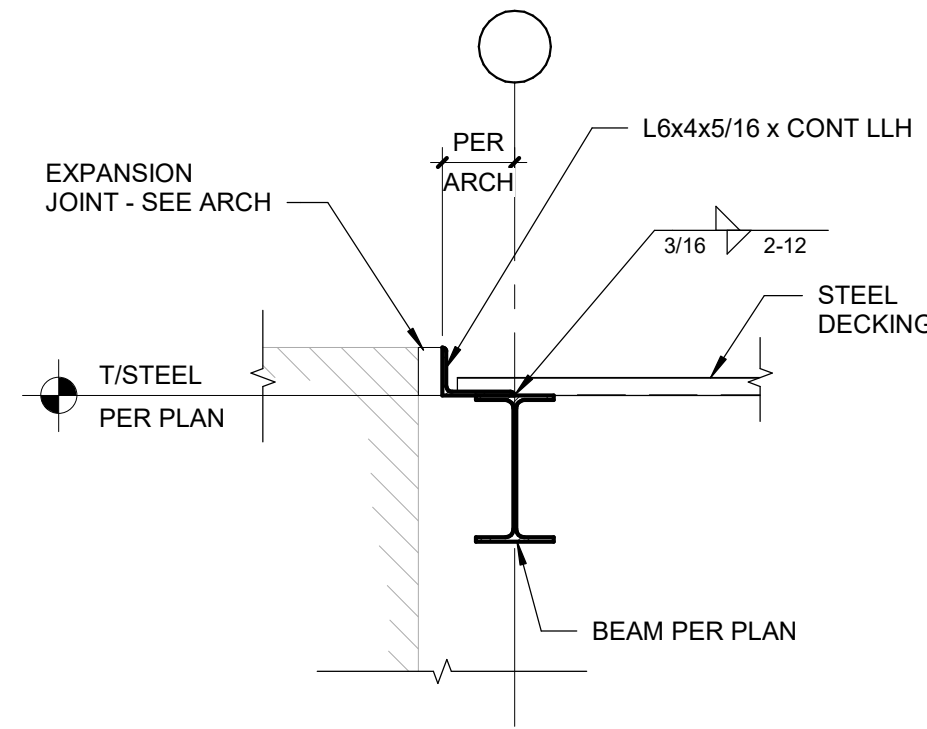
9 BRACED FRAME ELEVATION GRID A AND GRID B
SCALE: 1/4" = 1'-0"



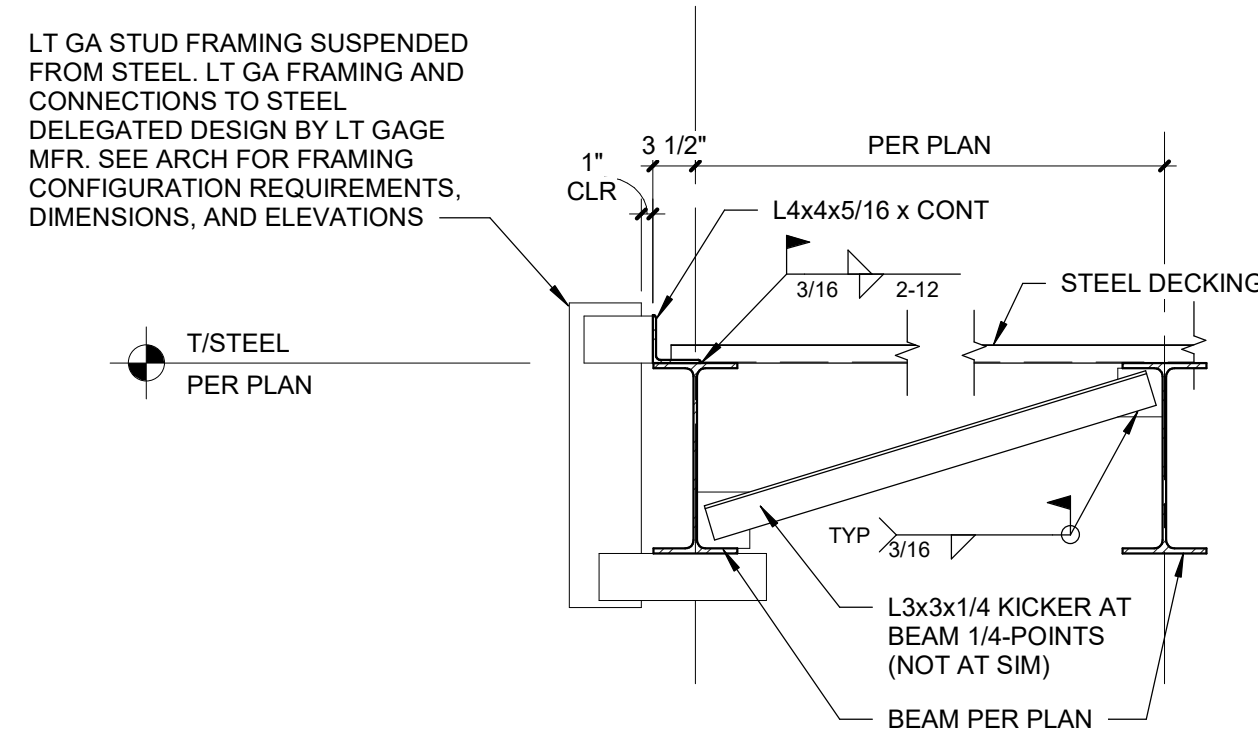
8 BRACED FRAME ELEVATION GRID 3
SCALE: 1/4" = 1'-0"



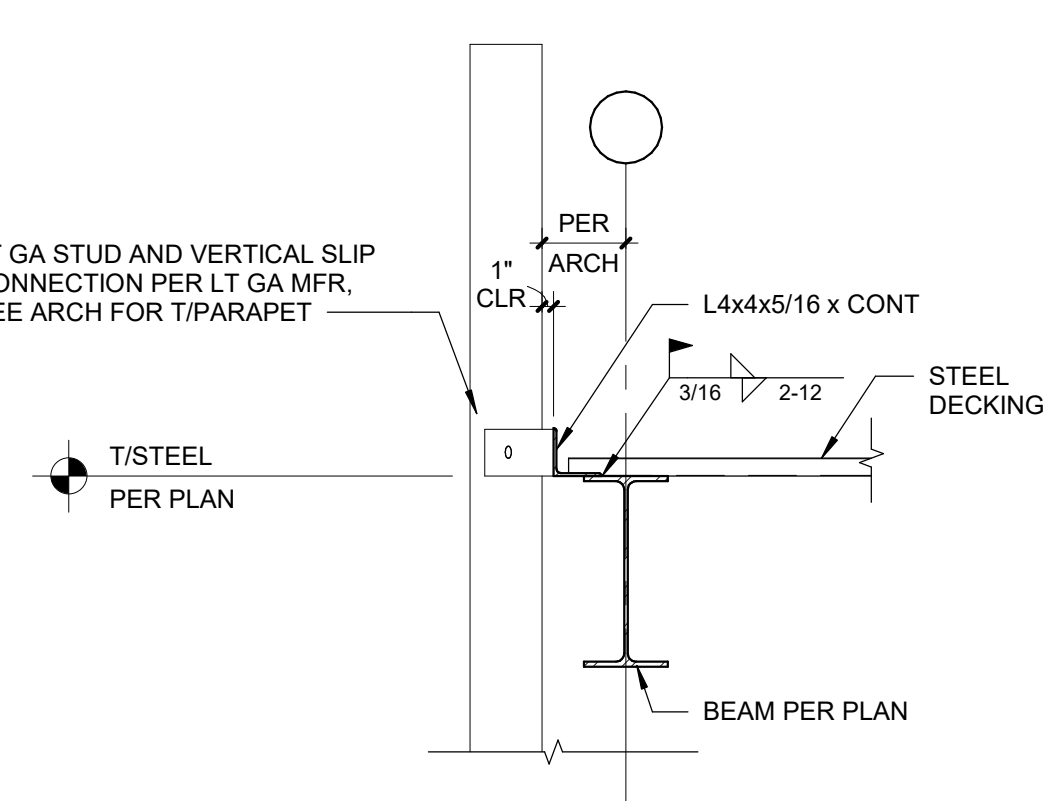
7 DIAGONAL BRACE CONN AT ROOF
SCALE: 1" = 1'-0"



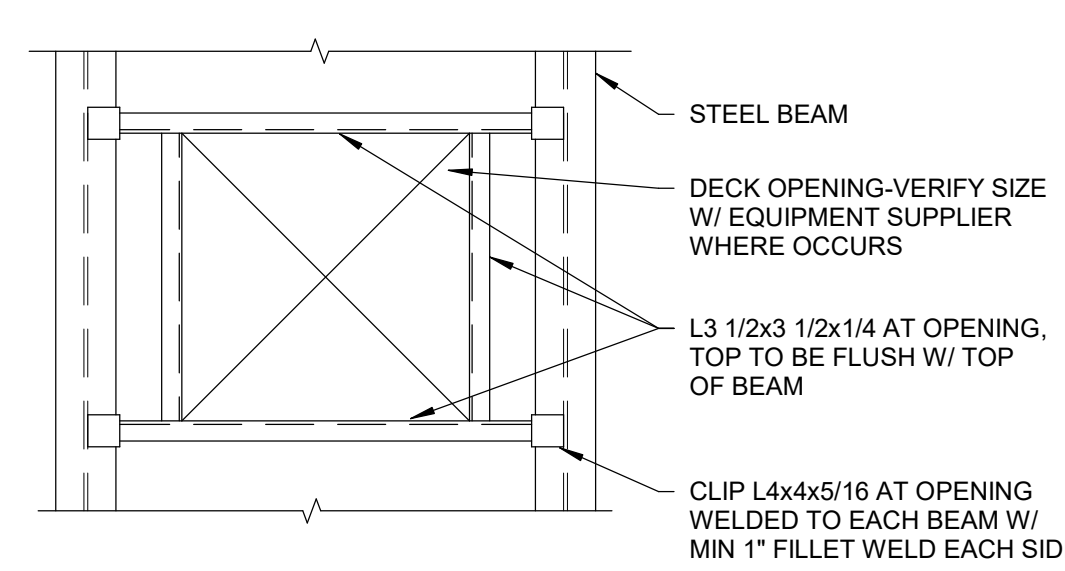
6 ROOF EDGE FRAMING AT EXPANSION JOINT
SCALE: 3/4" = 1'-0"



5 ROOF EDGE FRAMING AT CANOPY
SCALE: 3/4" = 1'-0"

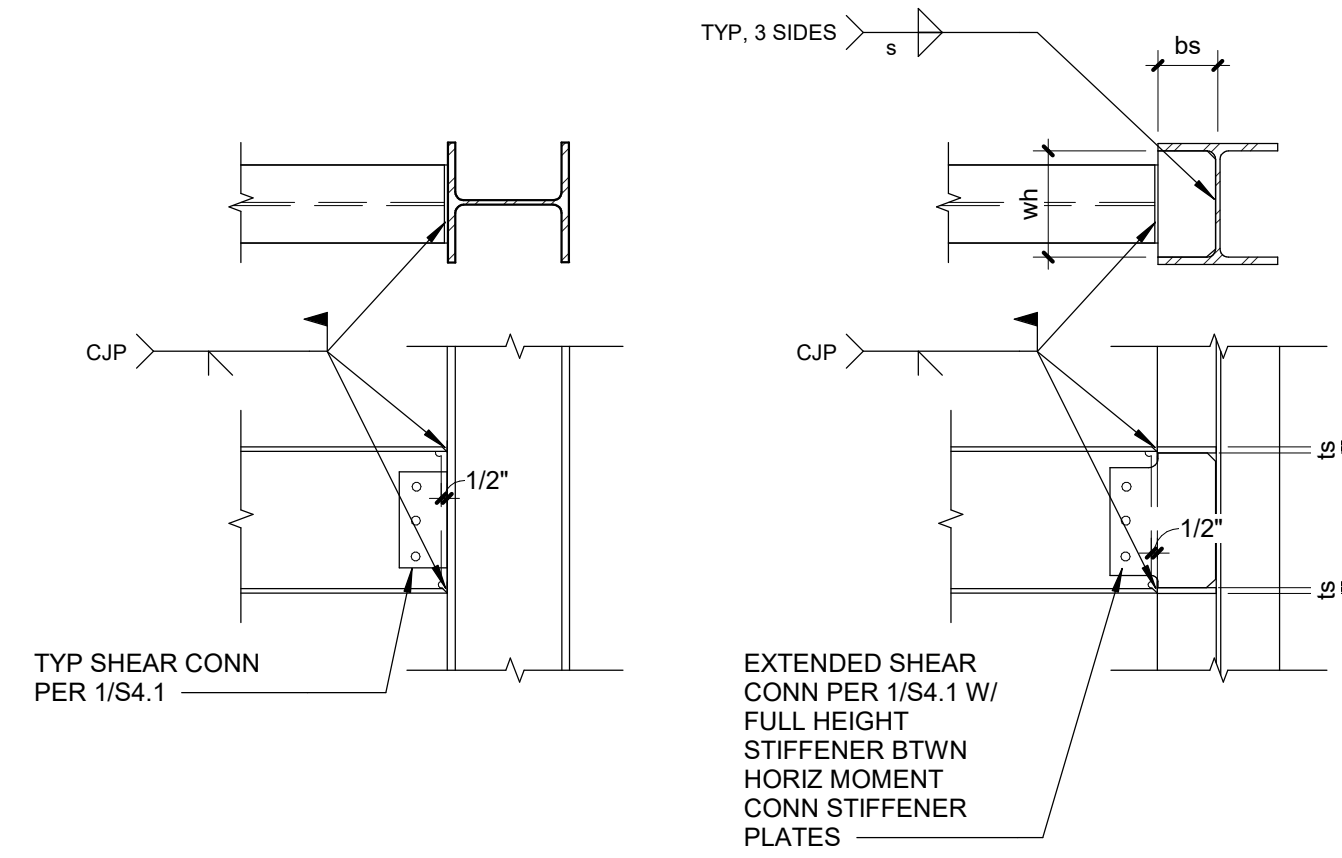


4 ROOF EDGE FRAMING DETAIL
SCALE: 3/4" = 1'-0"



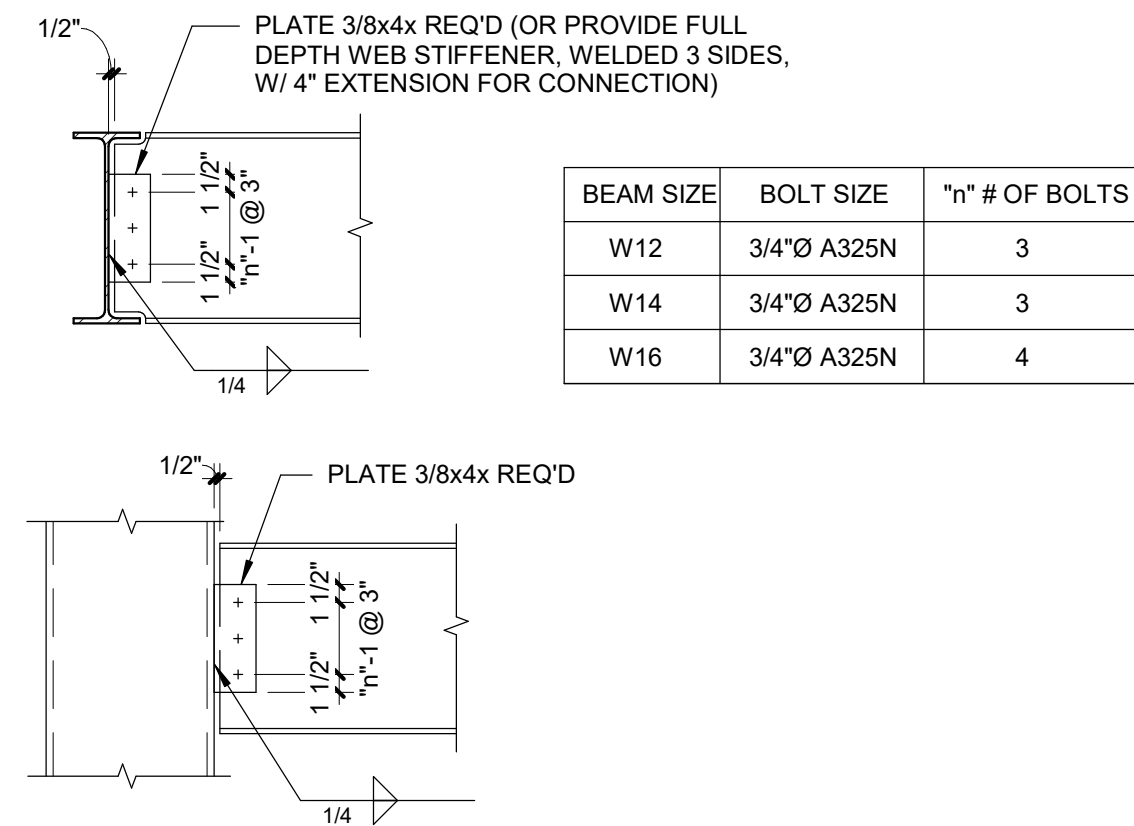
- NOTES:**
1. THIS DETAIL IS APPLICABLE AT DECK OPENINGS. AT OPENINGS, ANGLES SHALL SUPPORT DECK EDGES.
 2. COORDINATE SIZE AND LOCATION OF OPENINGS WITH MECHANICAL.
 3. PROVIDE MINIMUM 2" DECK BEARING AT ENDS OF DECK. CONNECT DECK TO ANGLE FRAMING AT EDGES OF OPENING USING TYPICAL DECK END AND PARALLEL EDGE ATTACHMENTS. PROVIDE ALSO SIDELAP AND INTERMEDIATE SUPPORT ATTACHMENTS WHERE SUCH CONDITIONS OCCUR.

3 DECK OPENING SUPPORT FRAME
SCALE: 1/2" = 1'-0"

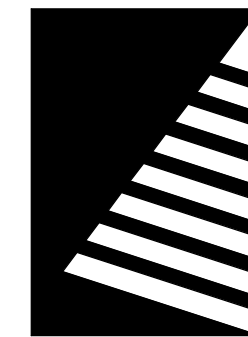


COL SIZE	BEAM SIZE	s	wh	ts	bs
W8	W12	1/4	FULL	3/8"	FULL
W8	W14	1/4	FULL	3/8"	FULL
W10	W12	1/4	FULL	3/8"	FULL

2 TYPICAL MOMENT CONNECTION
SCALE: 3/4" = 1'-0"



1 TYPICAL SHEAR CONNECTION
SCALE: 3/4" = 1'-0"



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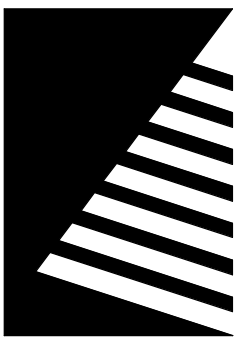
SHEET TITLE:

**STEEL FRAMING
DETAILS**

SHEET NUMBER:

S4.1

PROJECT NO.: 0200707.00



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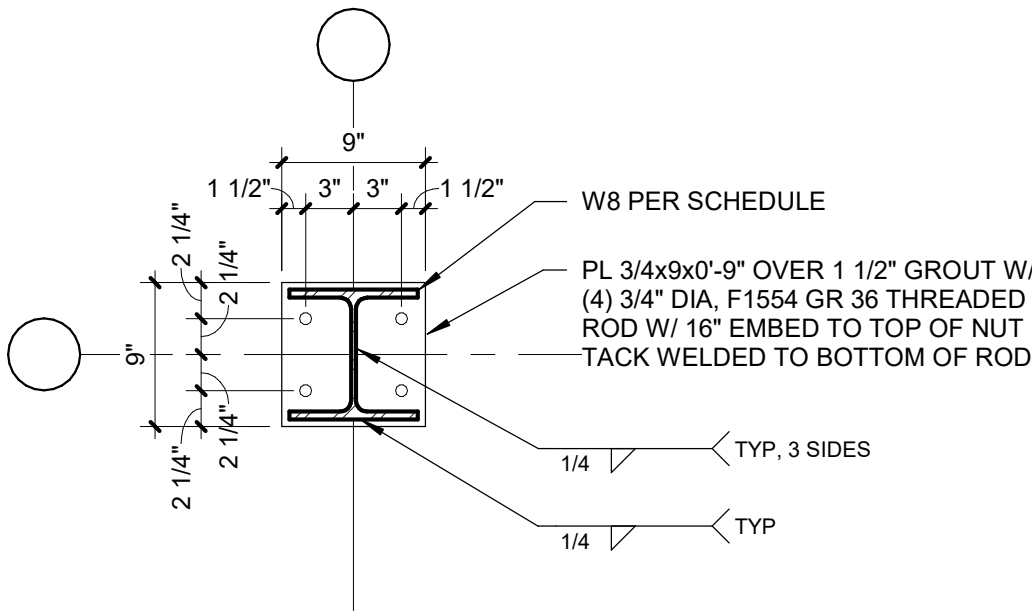
SHEET TITLE:

COLUMN SCHEDULE
AND BASE PLATES

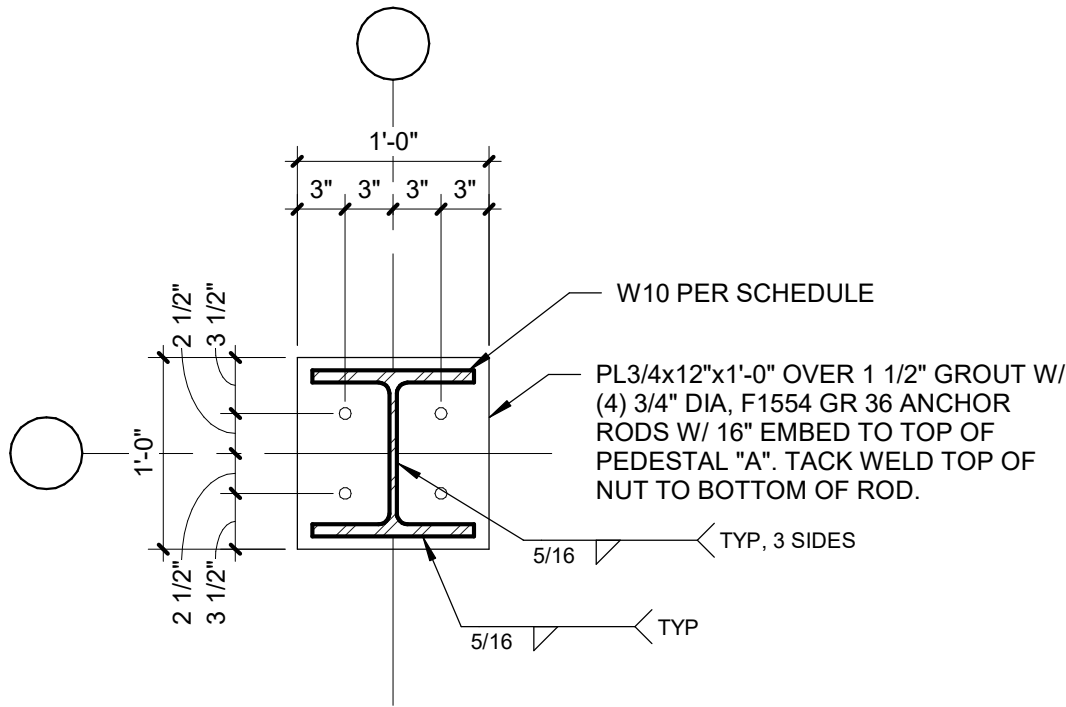
SHEET NUMBER:

S5.1

PROJECT NO.: 0200707.00

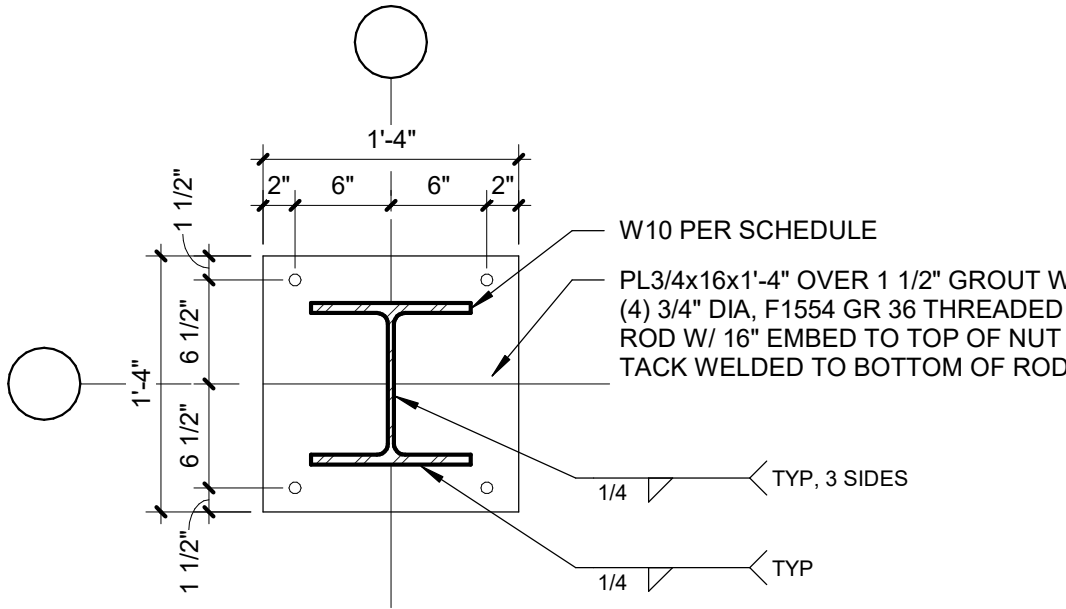


3 BASE PLATE - W8
SCALE: 1" = 1'-0"

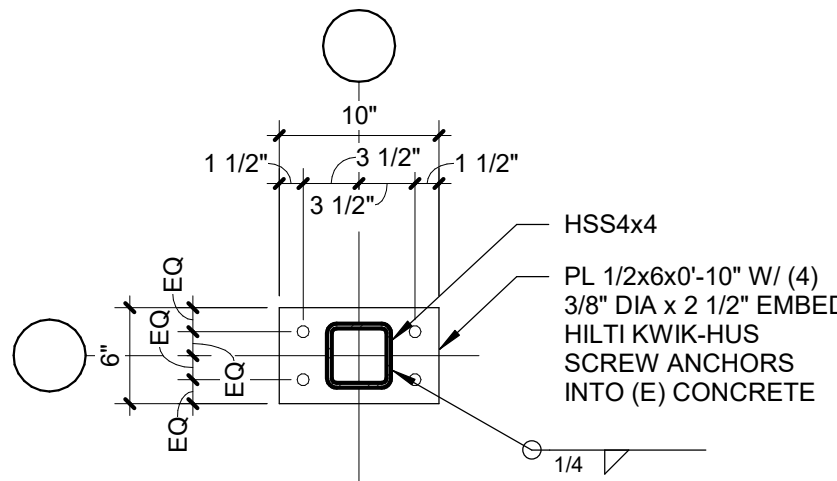
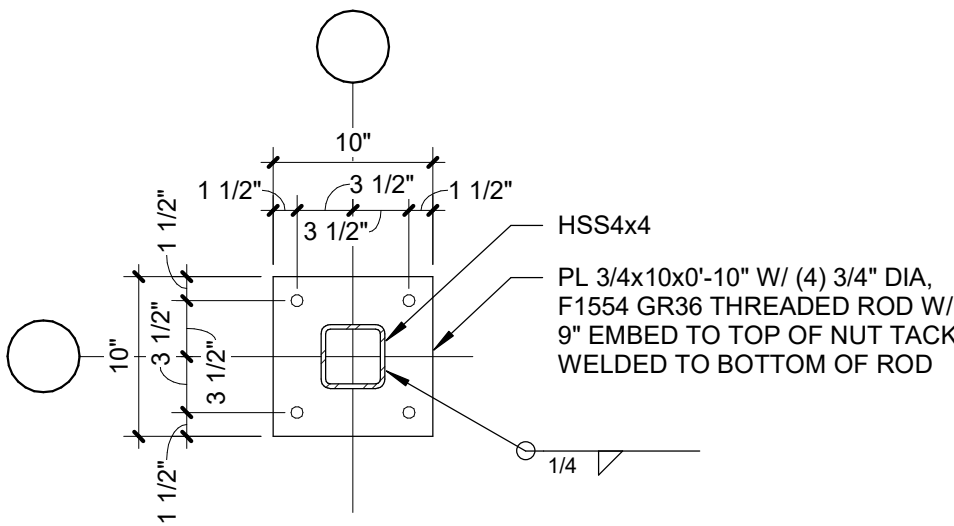


AT GRIDS D-1, D-2, E-1, E-2

5 BASE PLATE - W10 AT CANOPY
SCALE: 1" = 1'-0"



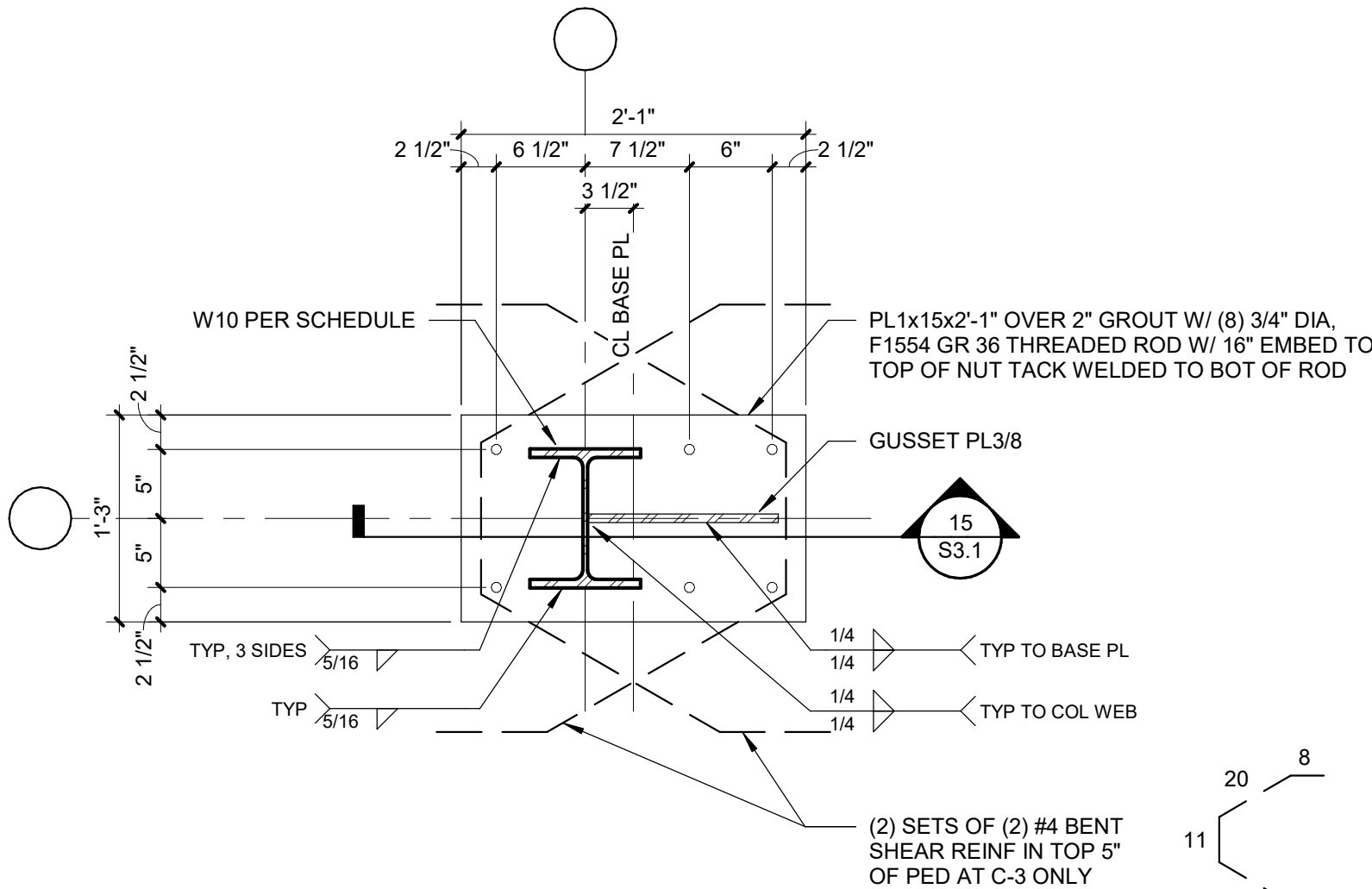
2 BASE PLATE - W10
SCALE: 1" = 1'-0"



AT EXISTING

F.V. FULL BEARING OF BASE PLATE ON EXISTING
FOUNDATION. VERIFY ANCHORS TO HAVE MINIMUM
1 1/2" EDGE DISTANCE TO FACE OF FOUNDATION.

1 BASE PLATE - HSS
SCALE: 1" = 1'-0"



AT GRIDS A-7, B-7, C-3

4 BASE PLATE - W10 AT BRACE
SCALE: 1" = 1'-0"

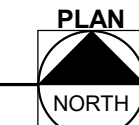
COLUMN SCHEDULE

VESTIBULE ROOF FRAMING									VESTIBULE ROOF FRAMING
15'-0"									15'-0"
ROOF FRAMING									ROOF FRAMING
10'-0"									10'-0"
	HSS4x4x5/16	W10x45	WBX35	HSS4x4x5/16			W10x68	W10x68	
FIRST FLOOR									FIRST FLOOR
0'-0"									0'-0"
Column Locations	A-2.8, A.5-2.5	A-4, A-5, A-6, A-7, B-3, B-4, B-5, B-6, B-7, C-2.5, C-3	A.5-1.1, C.5-1.1, C.5-1.9	A.5(1'-8")-1.1, A.5(1'-8")-1.9	A.5-1.9	D-1, D-2	E-1, E-2		



KEY PLAN

SCALE: NOT TO SCALE



DEMOLITION GENERAL NOTES

- A. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED - COORDINATE WITH NEW CONSTRUCTION. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- B. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AND RELOCATING ALL SALVAGE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS. ALL EXISTING HARDWARE AND WALL MOUNTED ACCESSORIES TO BE SALVAGED AND TO BE HANDED TO THE OWNER.
- C. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION. PROTECT ALL FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN. REMOVE ACOUSTICAL CEILINGS INCLUDING, BUT NOT LIMITED TO, RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIST SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES. DEMOLITION OF FLOOR FINISHES INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, RESILIENT BASE, ETC.
- D. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- E. HAZARDOUS MATERIALS INCLUDING, BUT NOT LIMITED TO: ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.

DEMOLITION KEYNOTES (BY DIVISION)

DIVISION 03	
D03-01	REMOVE EXISTING EXTERIOR CONCRETE STOOP IN ITS ENTIRETY.
D03-02	REMOVE EXISTING CONCRETE PERGOLA COLUMNS
D03-03	REMOVE 5'-6"x5'-6"x 3.5" (DEPTH) OF THE CONCRETE FLOOR CONSTRUCTION TO ACCOMMODATE RECESSED FLOOR SCALE. SEE STRUCTURAL AND PLUMBING. FOR MORE INFORMATION. COORDINATE WITH SHOWER INFILL LOCATION.
DIVISION 04	
D04-01	REMOVE EXISTING CMU WALL UP TO ONE COURSE BELOW THE BOTTOM OF PRECAST PLANK ROOF. SEE STRUCTURAL FOR LINTEL DETAILS. SEE NEW REFLECTED CEILING PLAN FOR BULKHEAD HEIGHT.
D04-02	RETAIN EXISTING CMU WALL TO EXTENTS SHOWN
D04-03	FIELD VERIFY EXISTING EXTERIOR WALL PRIOR TO STEEL FABRICATION AND DEMOLITION OF CMU WALL - SEE STRUCTURAL FOR MORE INFORMATION
DIVISION 05	
D05-01	REMOVE EXISTING PARAPET COPING - DO NOT REMOVE OR DAMAGE ADJACENT ROOF. TYPICAL FOR EXTENT OF NEW CONSTRUCTION ADDITION.
D05-02	REMOVE METAL RAILINGS IN ITS ENTIRETY. SALVAGE TO OWNER.
D05-03	REMOVE EXISTING CANOPY IN ITS ENTIRETY.
D05-04	REMOVE EXISTING COLUMN.
DIVISION 06	
D06-01	REMOVE EXISTING CASEWORK IN ITS ENTIRETY.
D06-02	REMOVE EXISTING COUNTERTOP IN ITS ENTIRETY.
D06-03	REMOVE EXTERIOR TRELLIS FRAMING
DIVISION 08	
D08-01	REMOVE EXISTING EXTERIOR DOOR(S) AND FRAME ASSEMBLY. SALVAGE TO OWNER.
D08-02	REMOVE EXISTING INTERIOR DOOR(S) AND FRAME ASSEMBLY. SALVAGE TO OWNER.
D08-03	REMOVE EXISTING EXTERIOR WINDOW ASSEMBLY, INCLUDING SILL TO BULKHEAD. SALVAGE TO OWNER.
D08-04	REMOVE EXISTING WINDOW ASSEMBLY, INCLUDING SILL, AND PREPARE FOR NEW OPENING. SALVAGE TO OWNER. SEE STRUCTURAL FOR MORE DETAILS.
D08-05	REMOVE EXISTING STOREFRONT ASSEMBLY IN ITS ENTIRETY. SALVAGE TO OWNER.
D08-06	BASE BID - REMOVE EXISTING WINDOW ASSEMBLY, INCLUDING SILL. ALTERNATE-1 RETAIN EXISTING EXTERIOR WINDOW ASSEMBLY, INCLUDING SILL.
DIVISION 09	
D09-01	REMOVE EXISTING ACOUSTICAL TILE CEILING SYSTEM AND ACCESSORIES TO FULL EXTENTS OF ROOM.
D09-02	REMOVE EXISTING METAL STUD WALL IN ITS ENTIRETY
D09-03	REMOVE EXISTING PRIVACY CURTAIN AND TRACK.
D09-04	REMOVE EXISTING BULKHEAD.
D09-05	REMOVE EXISTING FLOORING INCLUDING ADHESIVE, TRANSITIONS, WALL BASE AND OTHER ACCESSORIES TO EXTENTS SHOWN.
D09-06	EXISTING BULKHEAD TO REMAIN
D09-07	EXISTING ACT TO REMAIN. REMOVE AND REINSTALL AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK.
D09-09	REMOVE EXISTING METAL STUD WALL TO THE BOTTOM OF THE EXISTING SOFFIT.
D09-10	RETAIN EXISTING METAL STUD WALL
D09-11	DO NOT REMOVE EXISTING MAIN SUPPORT. FIELD VERIFY LOCATION.
D09-12	REMOVE EXISTING METAL STUD WALL UP TO 7'-0" HEIGHT. PREPARE FOR NEW OPENING.
D09-13	GRAPHIC INDICATES NEW LOCATION OF 2-HOUR OCCUPANCY SEPARATION. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING CEILING AS NEEDED TO UPGRADE EXISTING WALLS TO 2-HOUR FIRE RATING.
DIVISION 10	
D10-01	REMOVE EXISTING PAPER TOWEL, TOILET ROLL AND SOAP DISPENSER. SALVAGE TO OWNER.
D10-02	REMOVE EXISTING WALL PROTECTION AND WALL BUMPER HAND RAIL TO EXTENTS SHOWN. SALVAGE TO OWNER.
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D10-08	REMOVE EXISTING WALL PROTECTION TO EXTENTS SHOWN.
DIVISION 12	
D12-01	REMOVE EXISTING FURNITURE AND SALVAGE TO OWNER.
D12-02	RETAIN EXISTING WINDOW TREATMENTS. PROTECT THEM DURING CONSTRUCTION.
DIVISION 22	
D22-01	REMOVE EXISTING TOILET INCLUDING ASSOCIATED WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.
D22-02	REMOVE EXISTING SINK INCLUDING ASSOCIATED WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.
D22-03	REMOVE EXISTING SHOWER AND SHOWER SEAT INCLUDING ASSOCIATED WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.
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D22-05	TEMPORARILY REMOVE EXISTING STORM PIPE - SEE PLUMBING.
DIVISION 28	
D28-01	REMOVE EXISTING FIRE ALARM - SEE ELECTRICAL.
DIVISION 29	
D29-01	RETAIN EXISTING TREE - SEE CIVIL.
D29-02	EXISTING SHRUBS AND TREES TO BE REMOVED - SEE CIVIL.
DIVISION 33	
D33-01	EXISTING STORM DRAIN - SEE PLUMBING.



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ISSUE:
DATE: DESCRIPTION:

Bid Set

01/15/2021

PROJECT:
Crawford Memorial Hospital

CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:

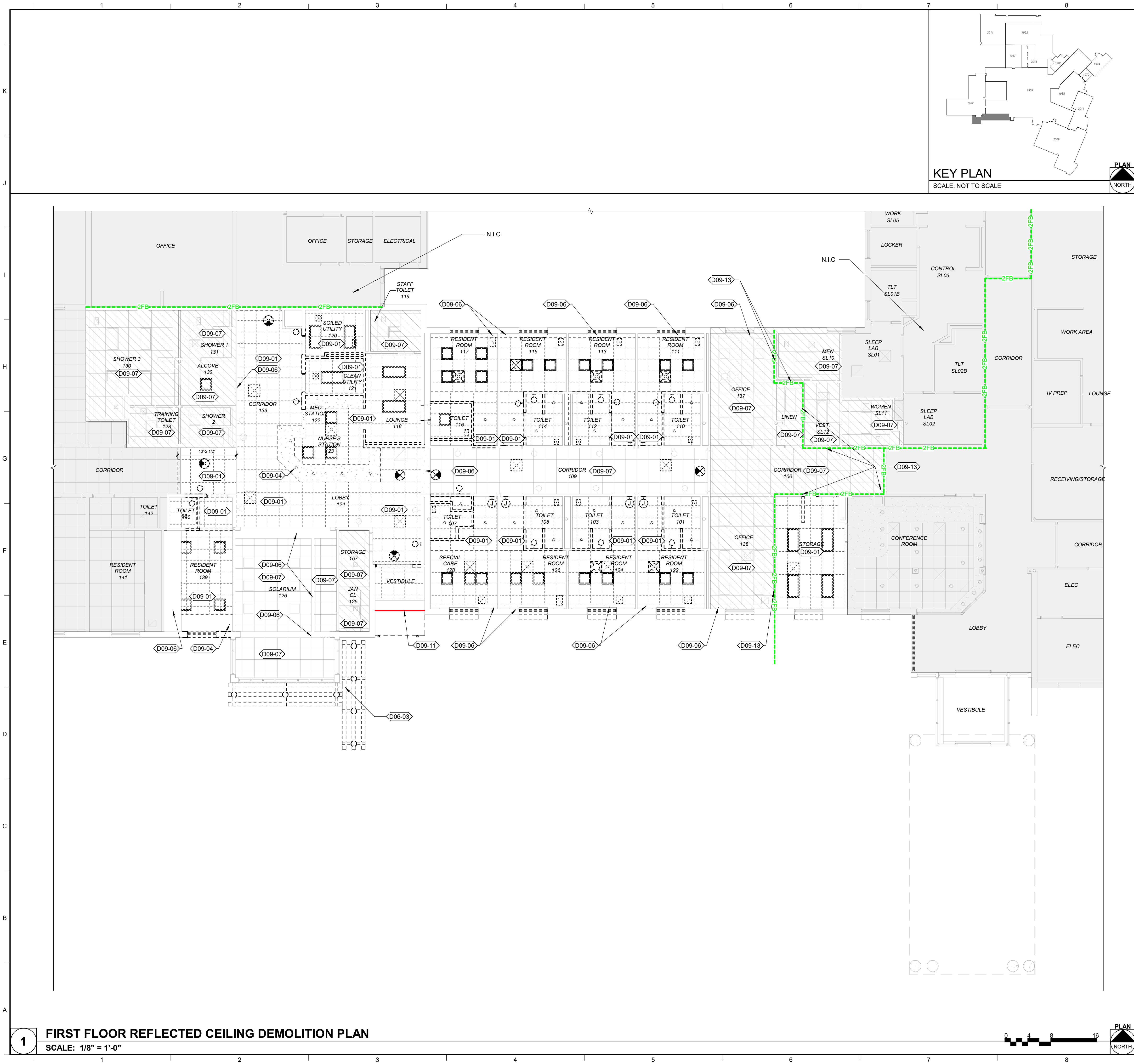
FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER:

AD1.1

PROJECT NO.: 0200707.00

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DEMOLITION GENERAL NOTES	
A.	EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED - COORDINATE WITH NEW CONSTRUCTION. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
B.	THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AND RELOCATING ALL SALVAGE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS. ALL EXISTING HARDWARE AND WALL MOUNTED ACCESSORIES TO BE SALVAGED AND TO BE HANDED TO THE OWNER.
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ISSUE: # DATE: DESCRIPTION:

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Bid Set
01/15/2021

PROJECT: Crawford Memorial Hospital

CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street
Robinson, IL 62454

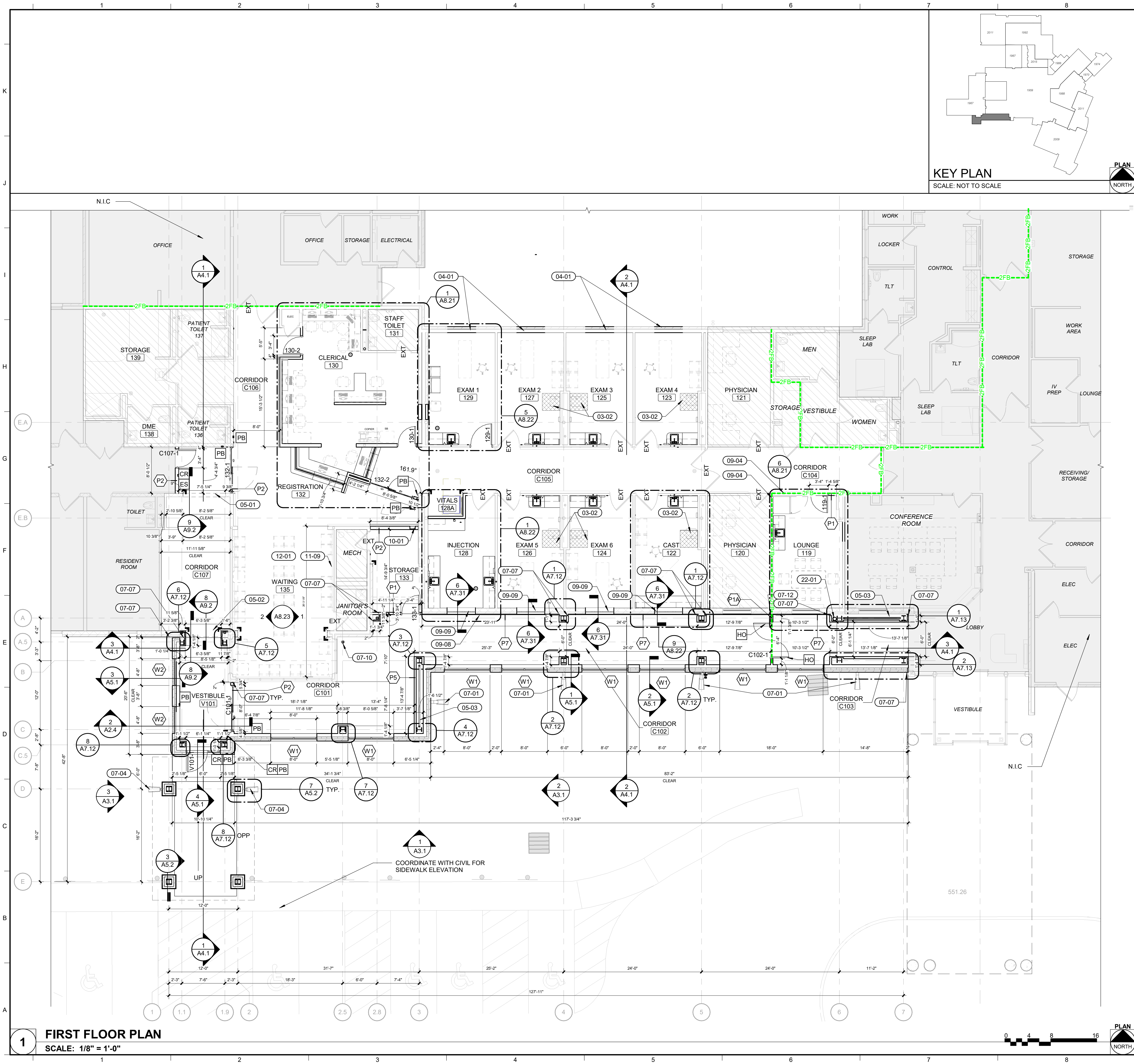
DATE:	01/15/2021
DESIGNED:	APH/DGB
DRAWN:	APH/KEC
REVIEWED:	MCR/DGB

SHEET TITLE: **FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN**

SHEET NUMBER:

PROJECT NO.: 0200707.00

AD9.1

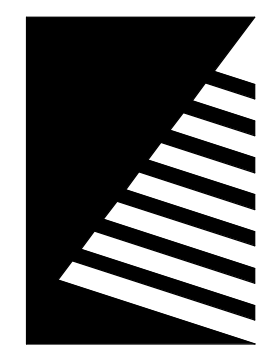


PLAN GENERAL NOTES

- REFER TO LIFE SAFETY PLANS FOR LOCATION AND DESCRIPTION OF FIRE RATED PARTITIONS AND FIRE SEPARATIONS.
- ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.
- EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.
- PATCH EXISTING ROOFS, FLOORS AND WALLS WHERE WALLS, OR ANY OTHER ELEMENTS WERE REMOVED. PATCH EXISTING FINISHES WHERE STOREFRONT WAS REMOVED.
- DISSIMILAR FLOOR FINISH MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF.
- CLEAN EXISTING STONE OR BRICK WALL EXPOSED TO VIEW.
- REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.
- FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- INSTALL HAND SANITIZER AS REQUIRED. COORDINATE WITH OWNER FOR LOCATIONS.
- NOT UNDER CURRENT SCOPE OF WORK.

KEYNOTES (BY DIVISION)

- DIVISION 03**
- 03-01 CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATION. COORDINATE THE INFILL WITH THE NEW RECESSED CONCRETE SLAB FOR IN-FLOOR MEDICAL SCALE - SEE STRUCTURAL FOR MORE INFORMATION.
- 03-02 CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATIONS. TYPICAL AT ALL LOCATIONS.
- DIVISION 04**
- 04-01 BASE BID - INFILL PREVIOUS WINDOW LOCATION. MATCH EXISTING WALL WIDTH, TYPE, BRICK INFILL TO BE TOOTHED IN TO MATCH THE SURROUNDING BRICK, PROVIDE A SMOOTH UNINTERRUPTED FINISH. * ALTERNATE - 1 RETAIN ALL WINDOWS INCLUDING SILL.
- DIVISION 05**
- 05-01 PROVIDE STRUCTURAL LINTEL. TOP OF BEAM SHALL BE ONE COURSE BELOW BOTTOM OF PRE CAST PLANK ROOF - SEE STRUCTURAL FOR MORE INFORMATION.
- 05-02 PROVIDE STRUCTURAL LINTEL. FIELD VERIFY EXISTING EXTERIOR WALL PRIOR TO STEEL FABRICATION AND DEMOLITION OF CMU WALL - SEE STRUCTURAL FOR MORE INFORMATION.
- 05-03 STRUCTURAL CROSS BRACING - SEE STRUCTURAL.
- DIVISION 06**
- 06-01 PROVIDE BLOCKING FOR GRAB BARS - COORDINATE WITH OWNER FOR LOCATION (CFCI).
- 06-02 SLOPED PLAM CLOSURE PANEL (CFCI) - SEE DETAIL FOR NOTES.
- 06-03 GROMMET FOR EACH WORKSTATION.
- DIVISION 07**
- 07-01 6" DOWNSPOUT WITH CEMENT SPLASH BLOCK - DRAIN TO GRADE.
- 07-02 PARAPET SCUPPER AND CONDUCTOR HEAD - 16"x12".
- 07-03 FULLY ADHERED MEMBRANE ROOF SYSTEM OVER R-30 LTTR RIGID ROOF INSULATION, SLOPED TO DRAIN 1/4":1'-0" MIN.
- 07-04 4" DOWNSPOUT WITH CEMENT SPLASH BLOCK - DRAIN TO GRADE.
- 07-05 2" ROOF EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION CONNECTS TO EXISTING BUILDING. TYPICAL.
- 07-06 GUTTER.
- 07-07 2" WALL EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION CONNECTS TO EXISTING BUILDING. TYPICAL.
- 07-08 ADD TAPERED RIGID INSULATION AND ROOF MEMBRANE TO THE EXISTING SOLARIUM ROOF TO DRAIN INTO NEW ROOF - FIELD VERIFY.
- 07-09 SEPARATE ROOF INFILL WITH LIGHT GAUGE STUD JOISTS - SEE STRUCTURAL.
- 07-10 INTUMESCENT FIRE PROOFING AROUND THE COLUMN.
- 07-11 2" CEILING EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION CONNECTS TO EXISTING BUILDING. TYPICAL.
- 07-12 2" FIRE RATED WALL EXPANSION JOINT AND JOINT COVER ON EACH SIDE OF PARTITION.
- 07-13 ROOF CURB AT MECHANICAL PENETRATION.
- 07-14 DUCT SUPPORT ROOF CURBS, PATCH EXISTING ROOFING - MAX 8'-0" ON CENTER.
- 07-15 ADD TAPERED RIGID INSULATION AND ROOF MEMBRANE TO THE ADJACENT EXISTING COPING HEIGHT TO DRAIN INTO EXISTING ROOF - FIELD VERIFY.
- DIVISION 08**
- 08-01 APPLY GLAZING SURFACE FILM ON THE TOP SPANDREL OF THE EXISTING STOREFRONT AS SHOWN (CFCI) - SEE INTERIORS.
- DIVISION 09**
- 09-01 EXISTING BULKHEAD TO REMAIN.
- 09-02 12" AXION TRIM TO SPAN VERTICALLY BETWEEN CEILING AND THE TOP OF GLAZING, FULL DISTANCE - SEE DETAIL ON SHEET A9.31.
- 09-03 EXISTING ACT TO REMAIN. REMOVE AND REINSTALL AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK.
- 09-04 REMOVE AND REPLACE EXISTING CEILING AS NEEDED TO UPGRADE EXISTING WALLS TO 2-HOUR FIRE RATING.
- 09-05 INFILL EXISTING OPENING WITH METAL STUD WALL OF SIMILAR WIDTH AND TYPE. FINISHES TO MATCH EXISTING. PROVIDE A SMOOTH UNINTERRUPTED FINISH.
- 09-06 GYP BULKHEAD TO CONCEAL ROOF DRAIN.
- 09-07 EXISTING WALL PROTECTION TO REMAIN IN ALL EXAM ROOMS AND CAST ROOM.
- 09-08 5/8" GYP BOARD ON 7/8" FURRING CHANNEL ALONG THE LENGTH OF THE WALL. EXTEND 6" ABOVE CEILING.
- 09-09 INFILL PREVIOUS WINDOW LOCATION WITH GYP BOARD ON ONE SIDE OF METAL STUDS AT EACH SIDE OF EXISTING WALL. MATCH EXISTING WALL WIDTH. PROVIDE A SMOOTH UNINTERRUPTED FINISH.
- 09-10 INFILL EXISTING DOOR OPENING WITH GYP BOARD ON ONE SIDE OF METAL STUD FOR EACH SIDE OF THE FORMER DOOR OPENING. MATCH EXISTING WALL WIDTH. PROVIDE A SMOOTH UNINTERRUPTED FINISH.
- 09-11 2" AXION TRIM TO SPAN THE CEILING GAP BETWEEN THE EXISTING SOLARIUM AND THE NEW CORRIDOR ADDITION.
- DIVISION 10**
- 10-01 FIRE EXTINGUISHER CABINET - FULLY RECESSED.
- 10-02 SHARPS CONTAINER (OFOI).
- DIVISION 11**
- 11-01 REFRIGERATOR (OFOI).
- 11-02 WALL MOUNTED MONITOR - PROVIDE BLOCKING IN WALL (OFCI).
- 11-03 SOLACE IN-FLOOR 3'-0"x3'-0" MEDICAL SCALE (OFCI) - REFER STRUCTURAL FOR FOUNDATION AND ELECTRICAL FOR POWER REQUIREMENTS.
- 11-04 EXAM TABLE (OFCI).
- 11-05 MOBILE COMPUTER STAND (OFCI).
- 11-06 SHREDDER BIN (OFOI).
- 11-07 COPIER (OFOI).
- 11-08 COMPUTER - SHOWN FOR REFERENCE (OFOI).
- 11-09 WALL MOUNTED TV (OFOI) - PROVIDE NECESSARY BLOCKING.
- DIVISION 12**
- 12-01 WAITING ROOM CHAIRS (OFOI).
- 12-02 DINING TABLE AND CHAIRS (OFOI).
- 12-03 SYSTEMS FURNITURE - WORK DESK AND CABINETS (OFOI) - PROVIDE NECESSARY BLOCKING. COORDINATE WITH OWNER FOR LOCATION.
- DIVISION 22**
- 22-01 RE-ROUTED STORM PIPE - SEE PLUMBING.



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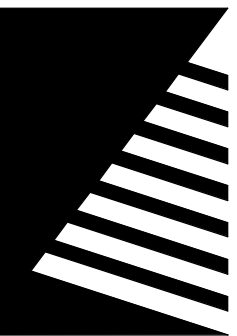
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ISSUE:
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01/15/2021

PROJECT:
Crawford Memorial Hospital

**CMH - Ortho Clinic
Addition and
Renovation**

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC/MCR
REVIEWED: MCR/DGB

SHEET TITLE:

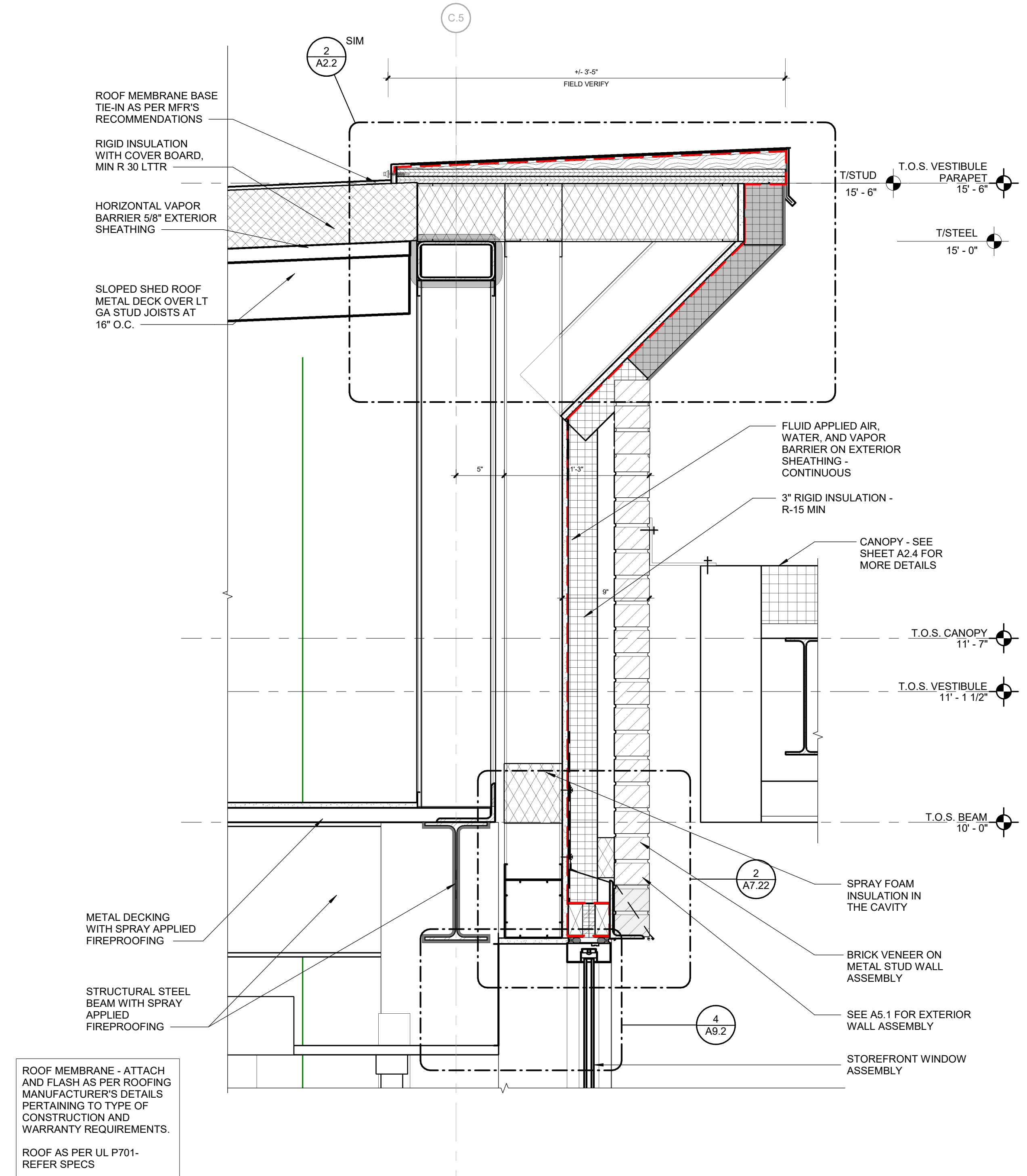
**ROOF DETAILS -
PARAPETS**

SHEET NUMBER:

A2.2

PROJECT NO.: 0200707.00

2 PARAPET CAP AT VESTIBULE
SCALE: 1 1/2" = 1'-0"



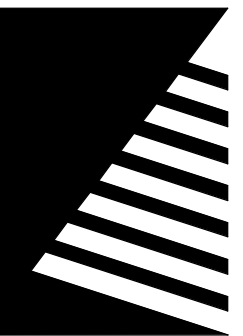
**1 WS- BRICK/MTL STUD- VESTIBULE- ENTRYWAY - SOUTH
PARAPET DETAIL**
SCALE: 1 1/2" = 1'-0"



**3 WS- EIFS/MTL STUD- VESTIBULE- ENTRYWAY - EAST PARAPET
DETAIL**
SCALE: 1 1/2" = 1'-0"



1/15/2021 1:30:52 PM



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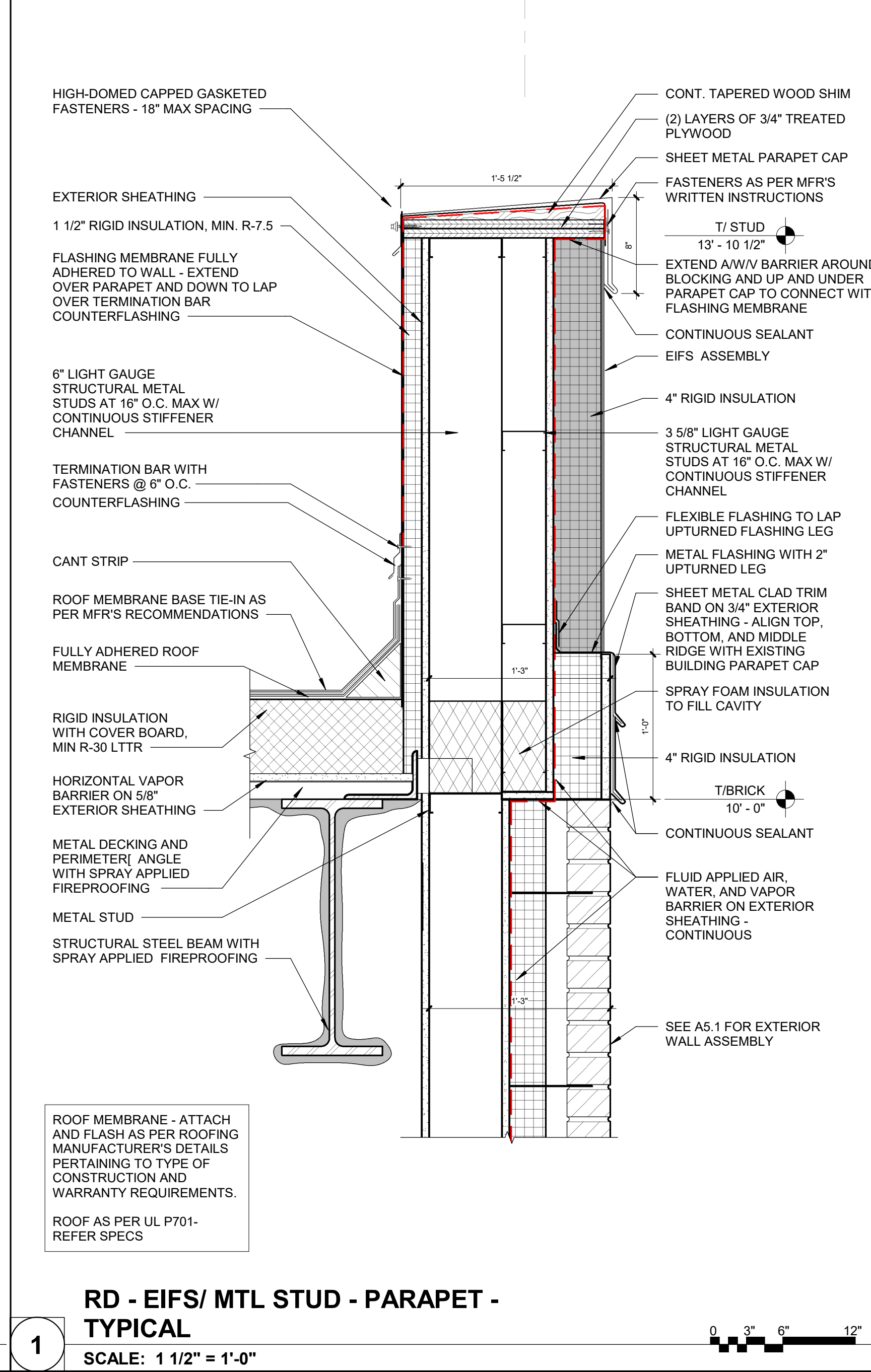
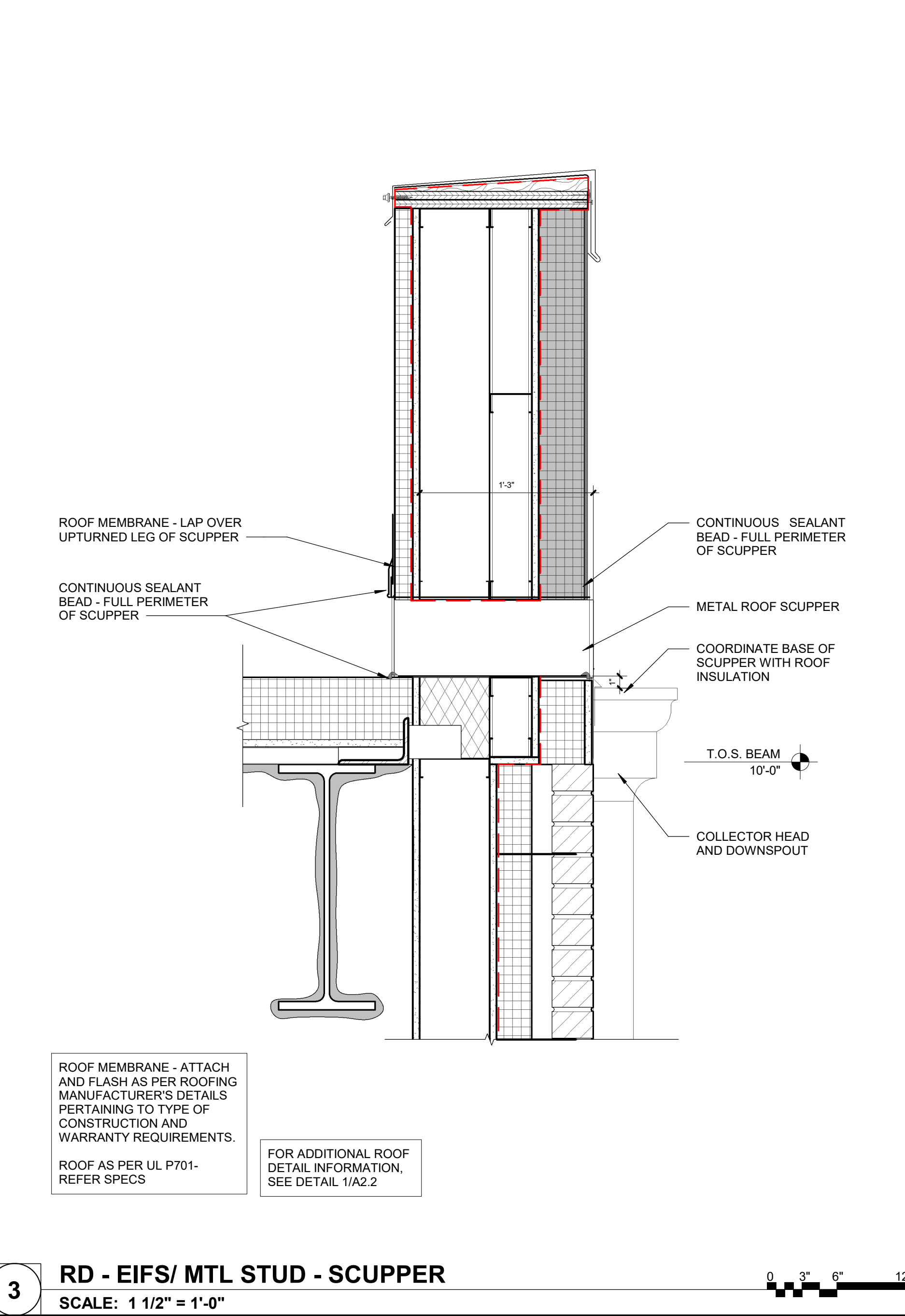
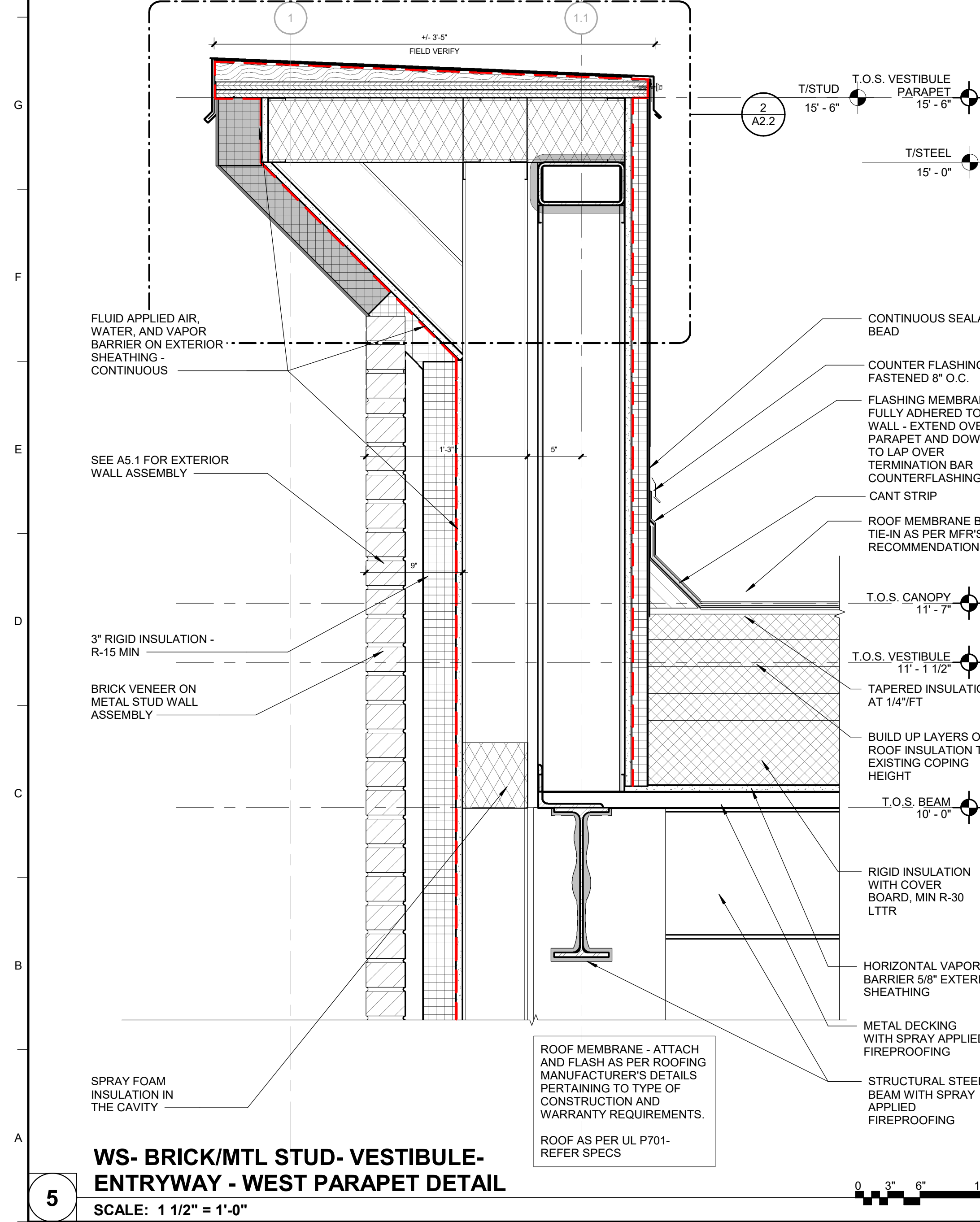
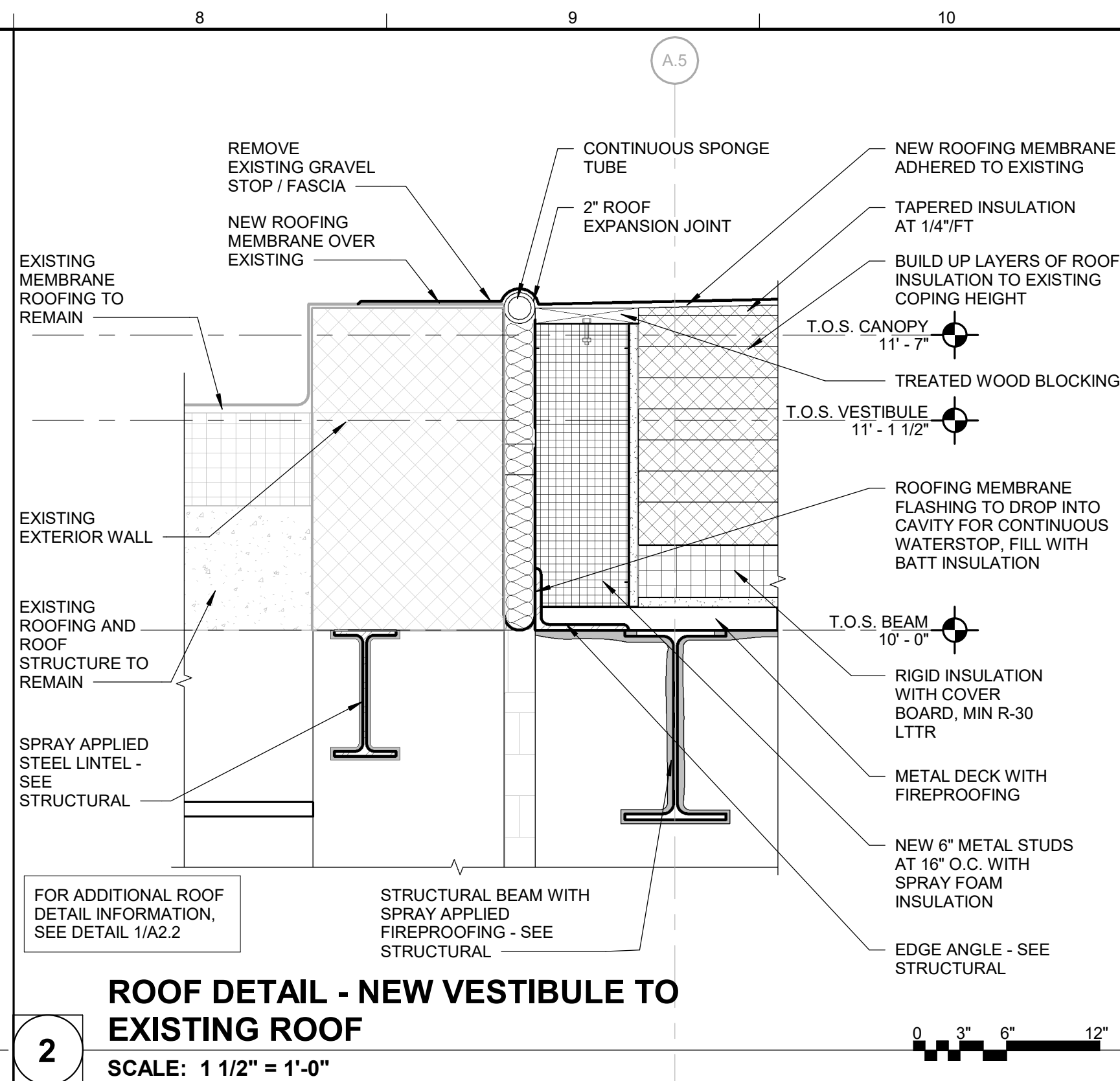
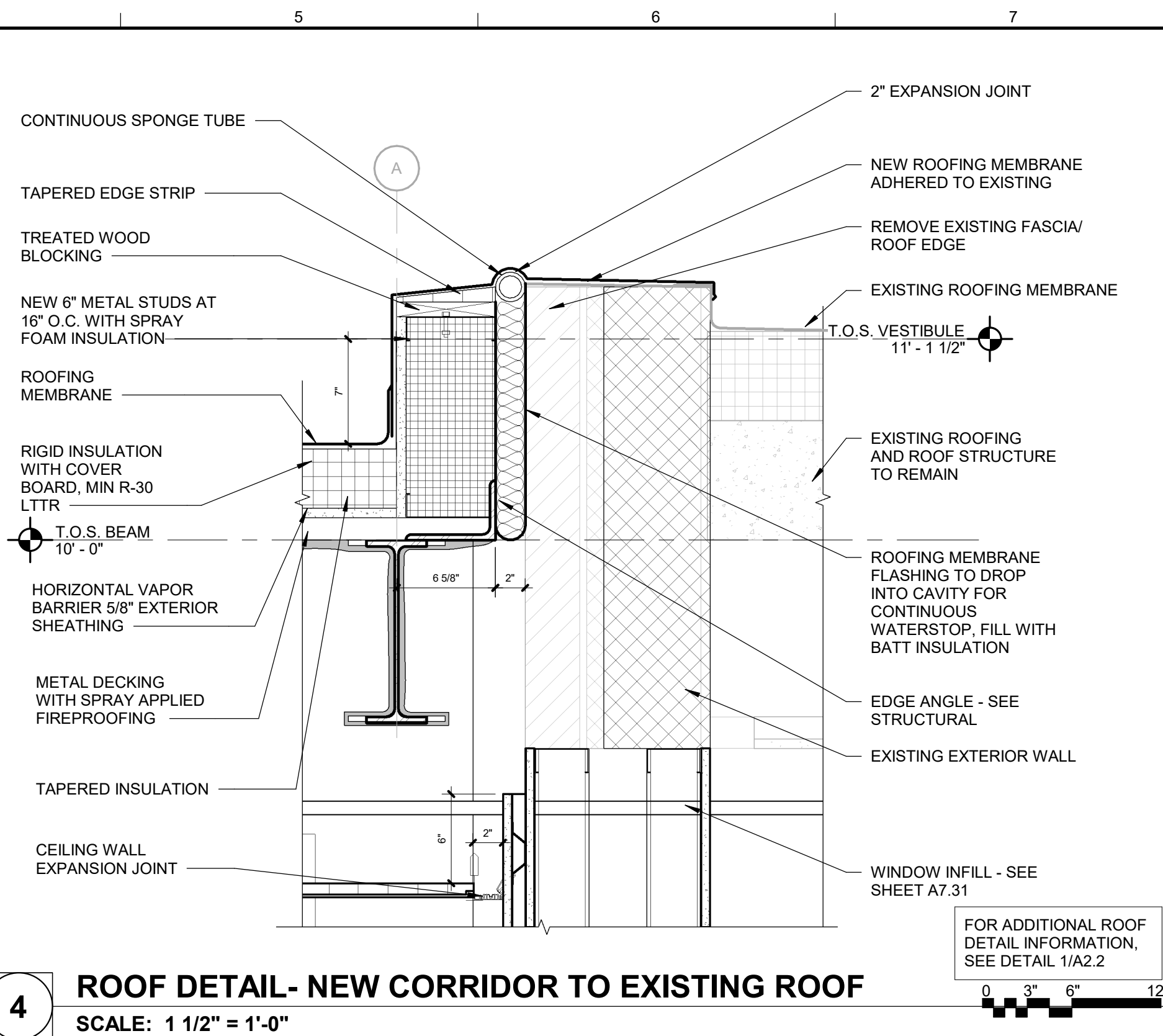
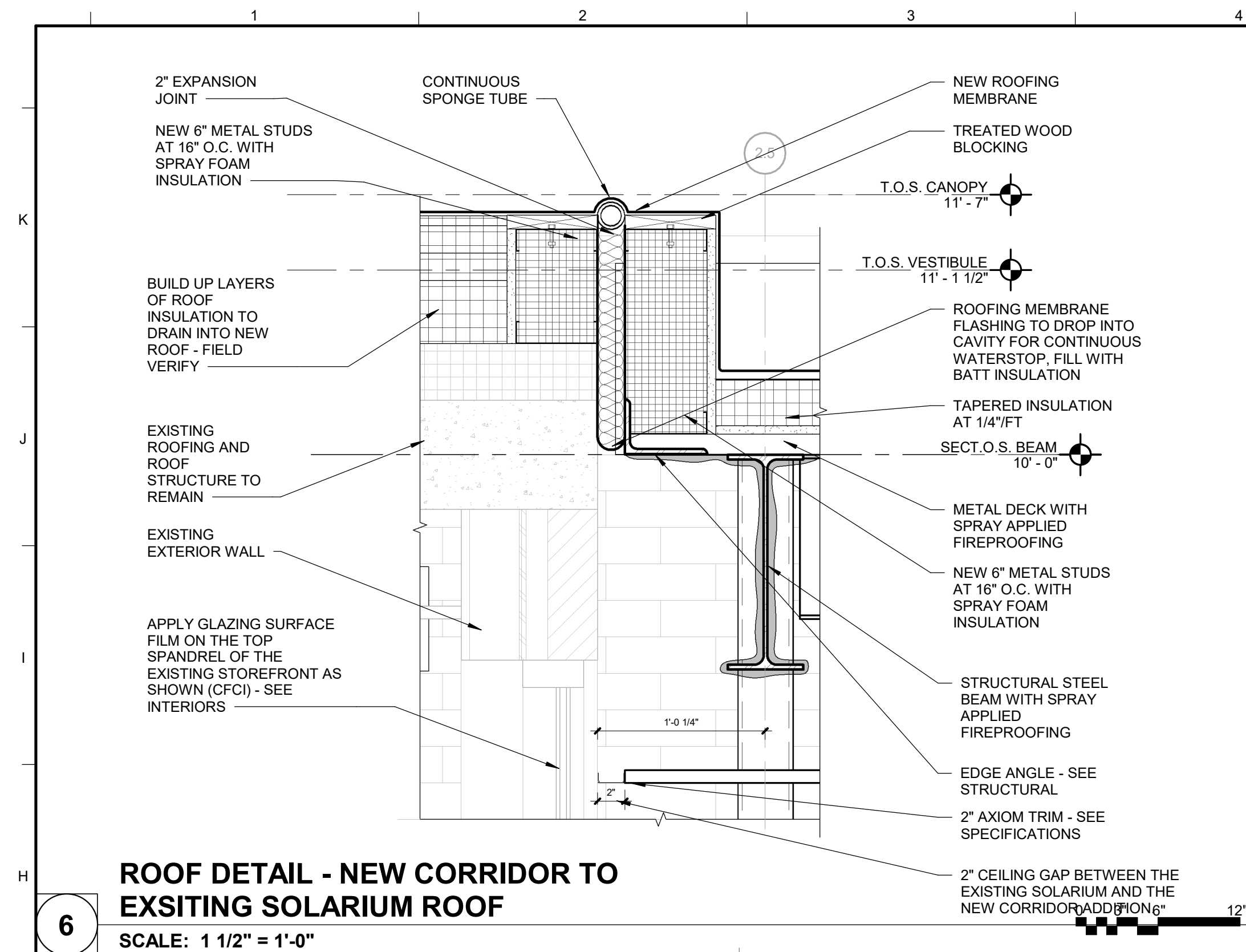
SHEET TITLE:

**ROOF DETAILS -
PARAPETS**

SHEET NUMBER:

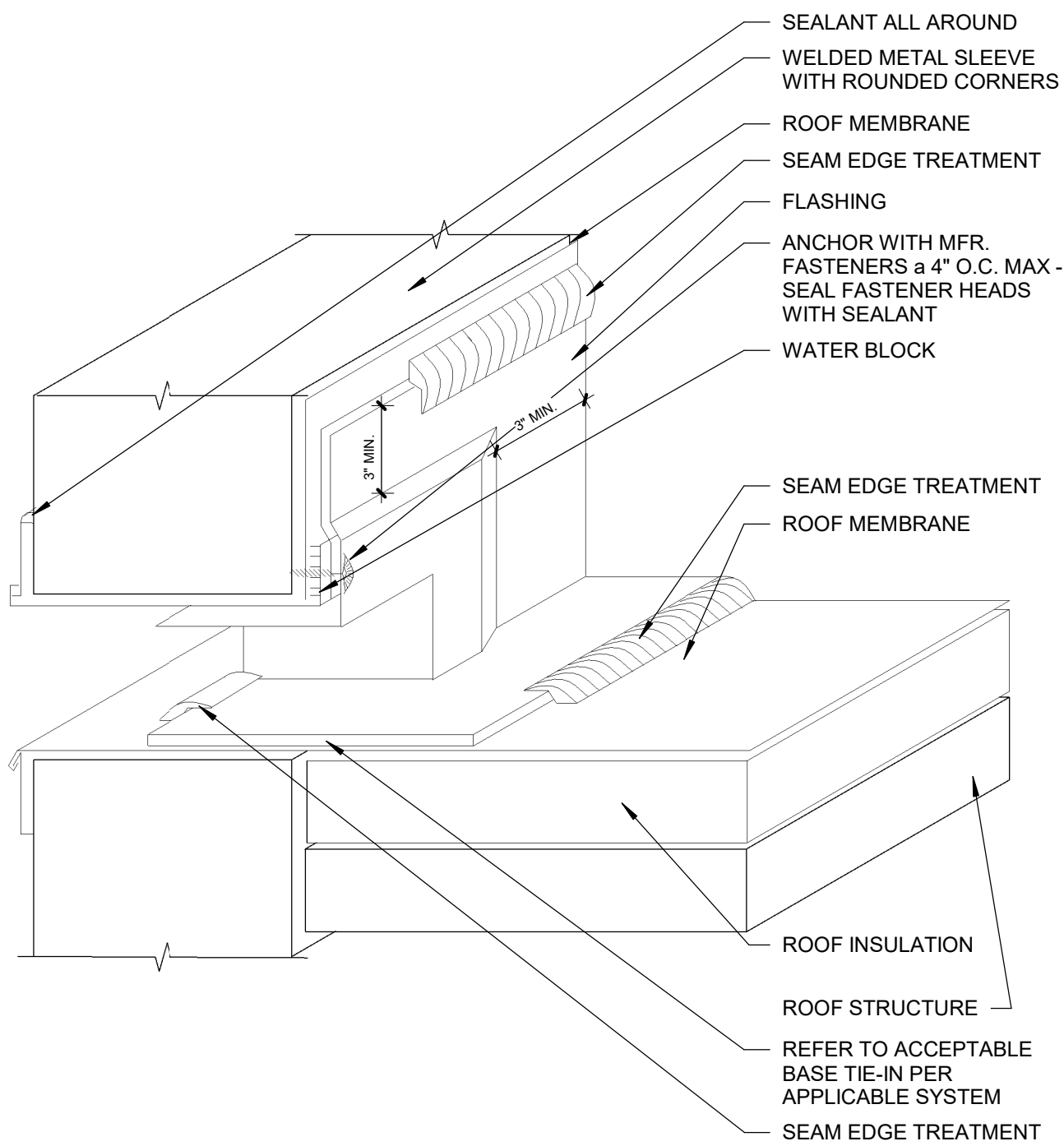
A2.3

PROJECT NO.: 0200707.00

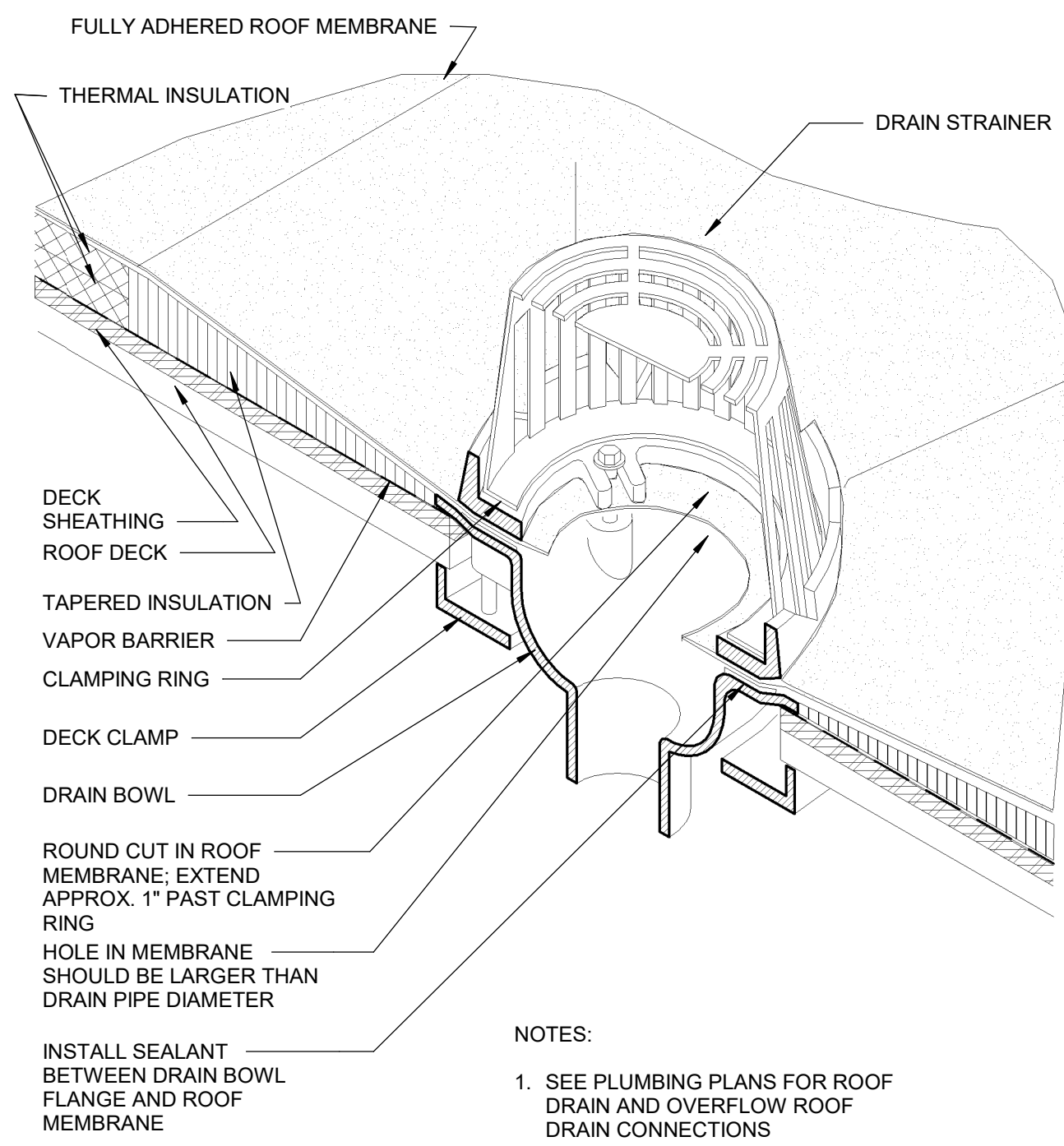


1/18/2021 1:40:29 PM

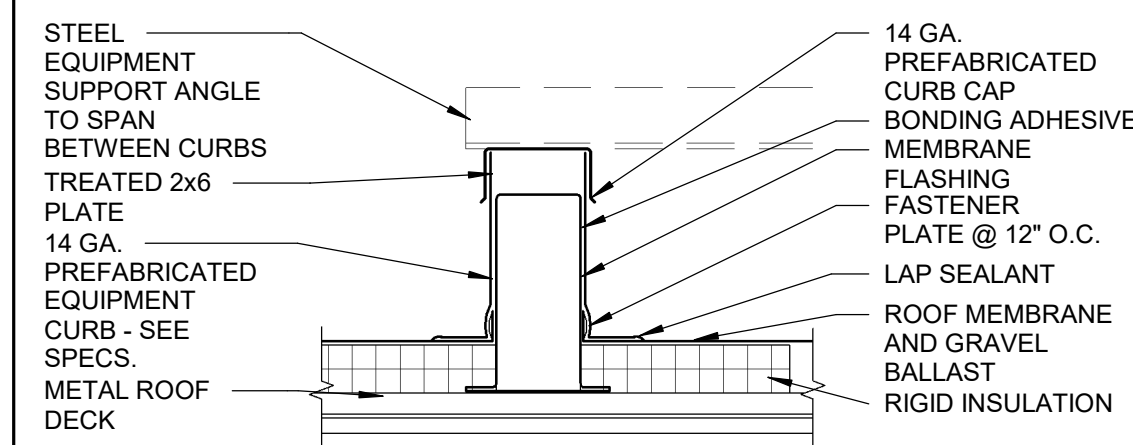
6 SCUPPER DETAIL
SCALE: 3" = 1'-0"



4 TYPICAL ROOF DRAIN
SCALE: 3" = 1'-0"

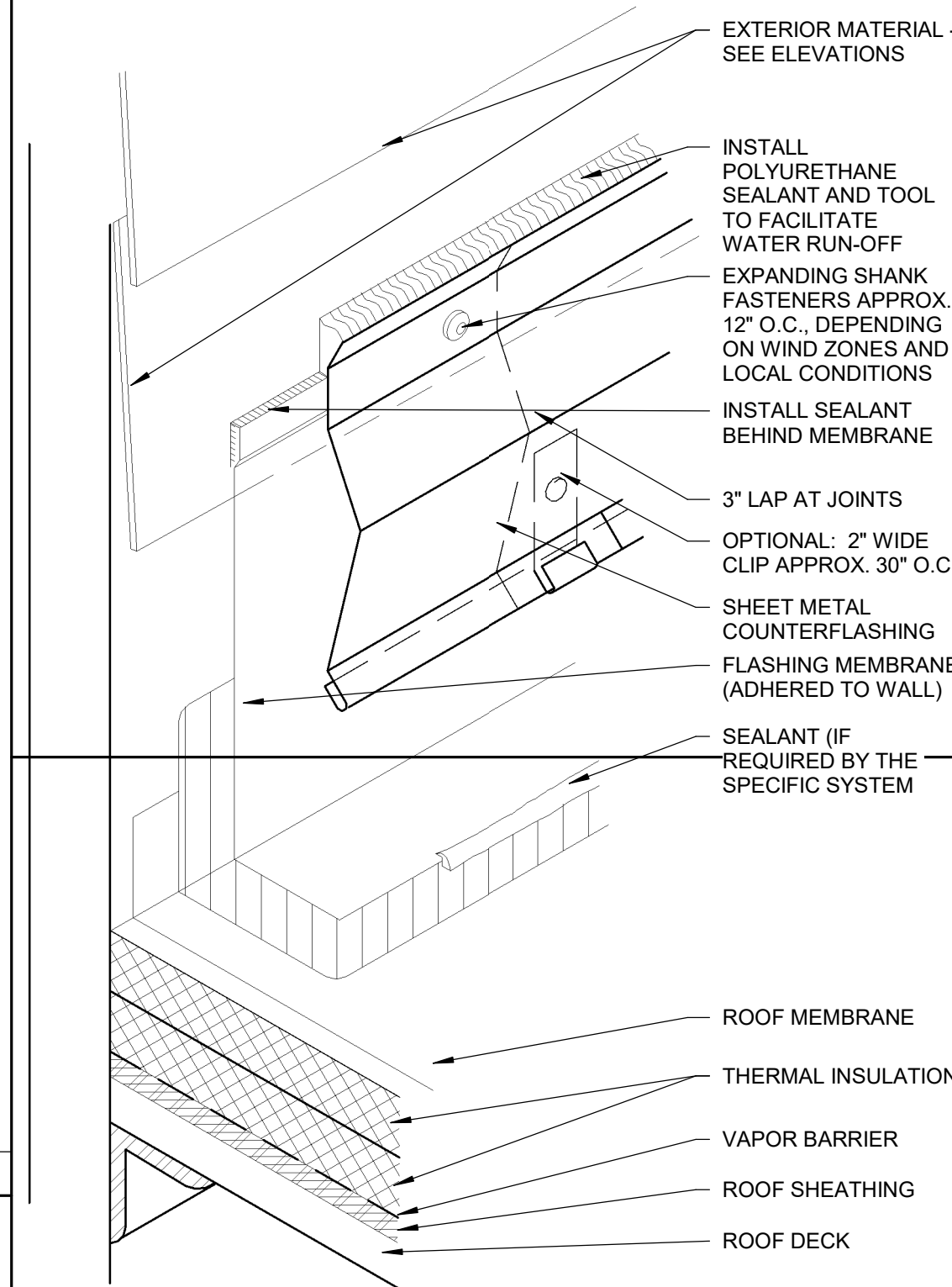


1 EQUIPMENT CURB
SCALE: 1 1/2" = 1'-0"

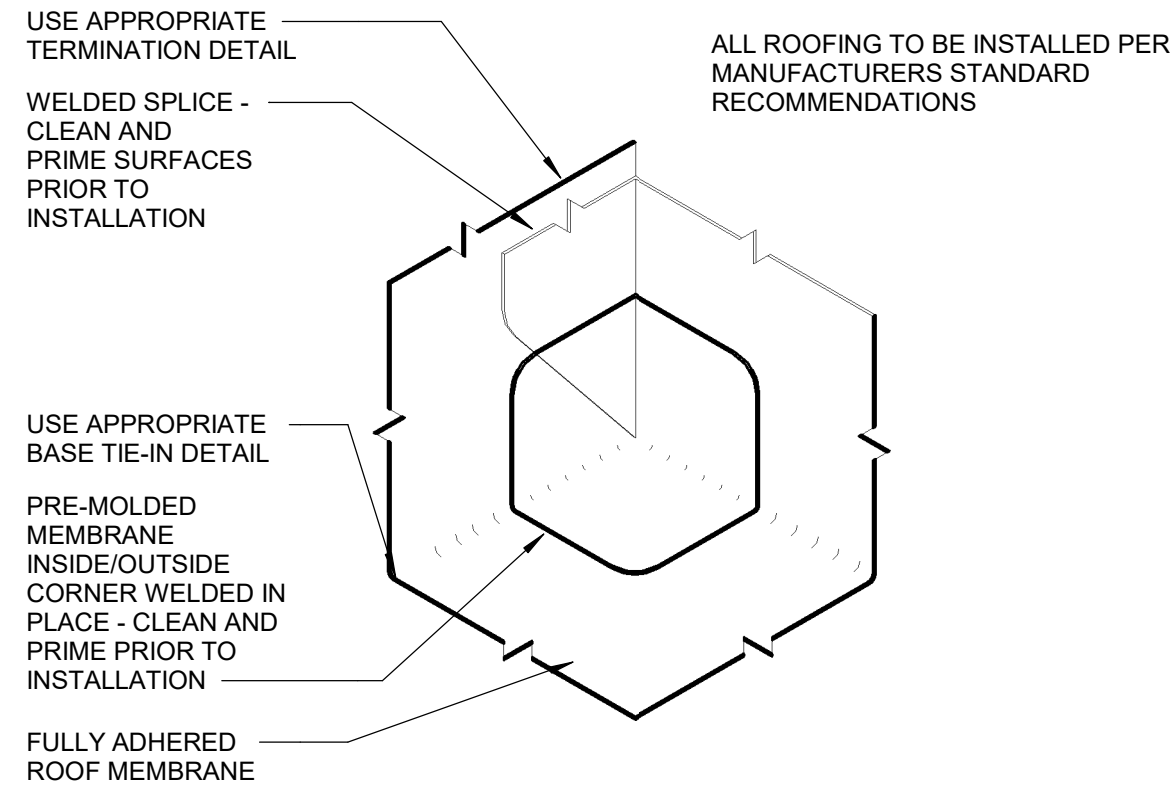


2 TYPICAL FLASHING TERMINATION DETAIL
SCALE: 3" = 1'-0"

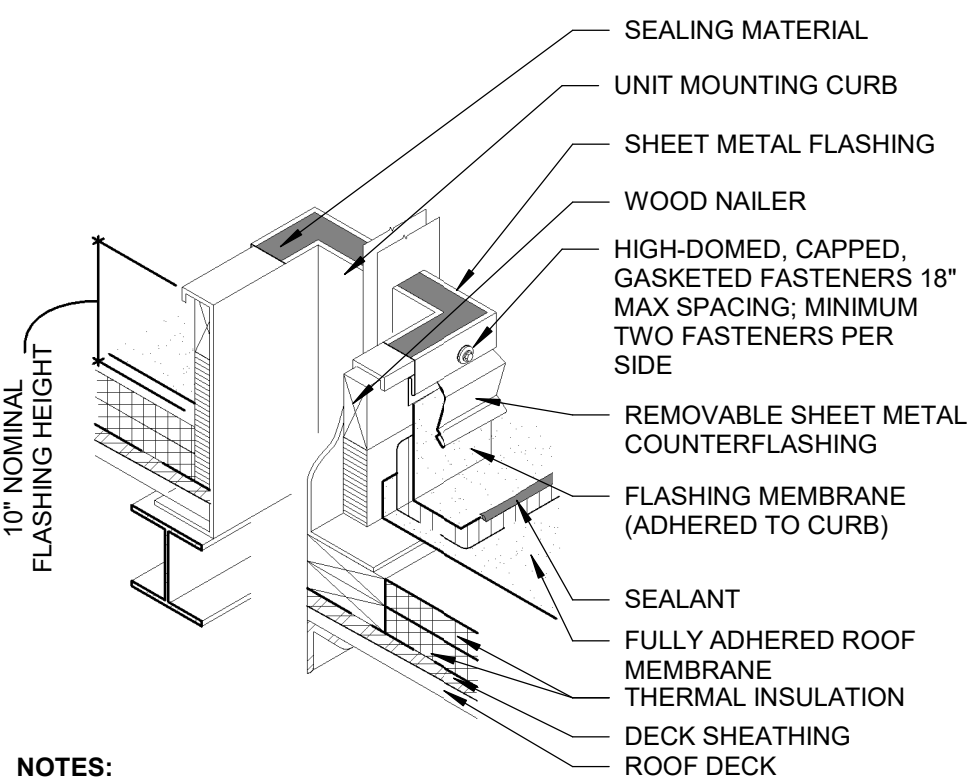
NOTES:
1. TOP LAYER OF INSULATION CAN BE EITHER THERMAL INSULATION OR COVERBOARD INSULATION
2. SLIP SHEET MAY BE REQUIRED BELOW MEMBRANE WHEN OVERLAPPING SOME INSULATIONS OR SUBSTRATES



5 TYPICAL INSIDE CORNER DETAIL
SCALE: 3" = 1'-0"



3 RAISED CURB DETAIL
SCALE: 1 1/2" = 1'-0"



NOTES:
1. THE CURBS, TOP WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER



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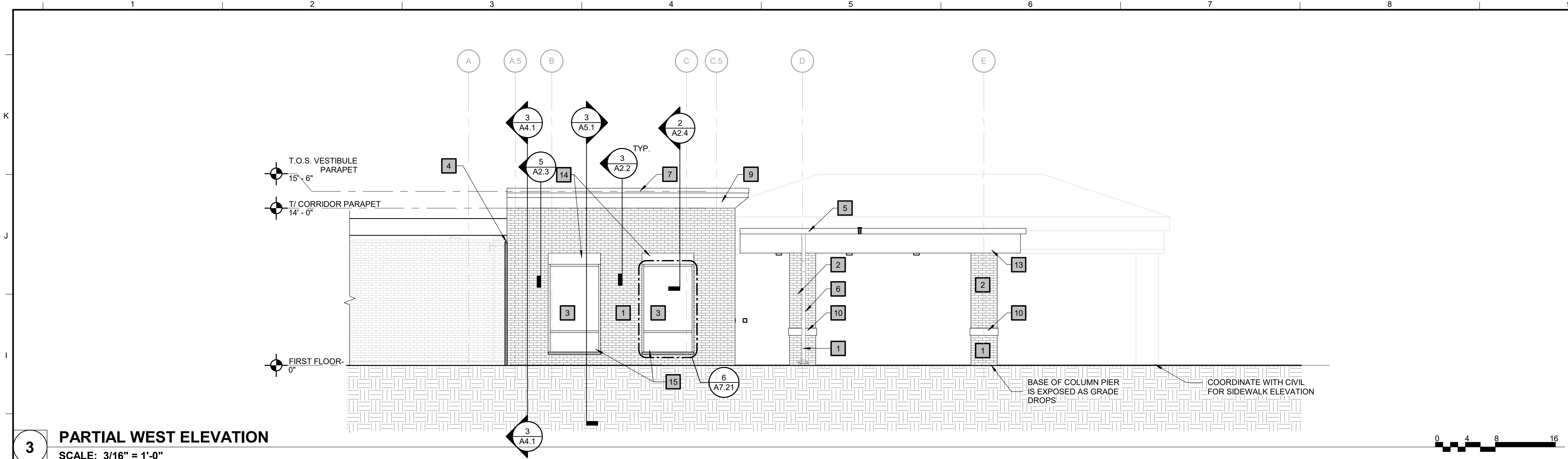
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
TYPICAL MEMBRANE
ROOF DETAILS

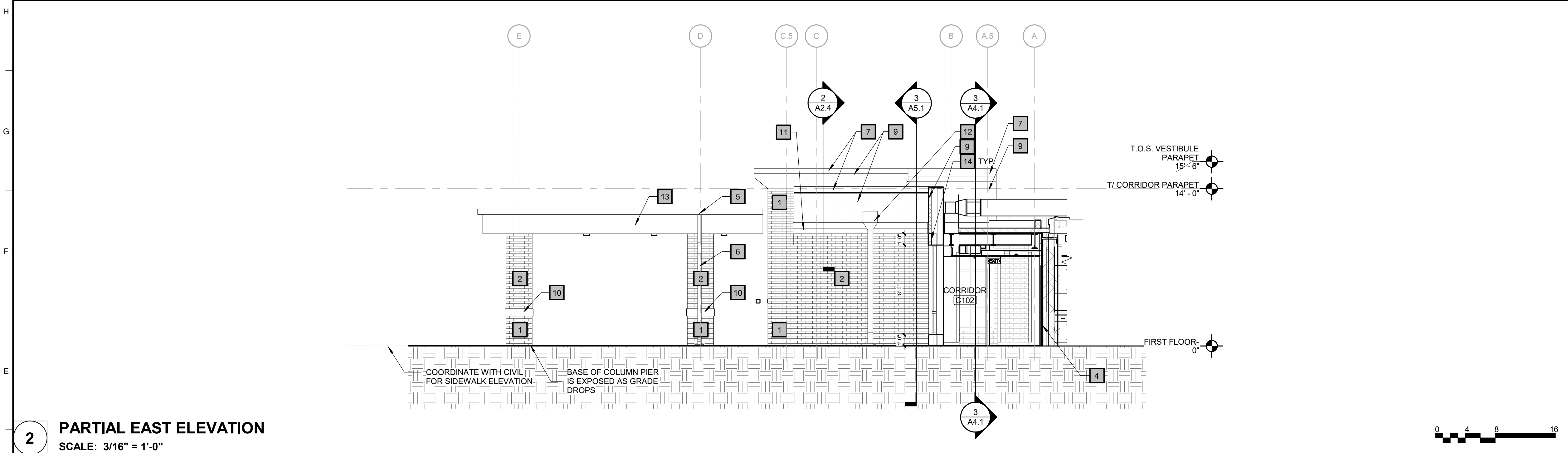
SHEET NUMBER:

A2.5

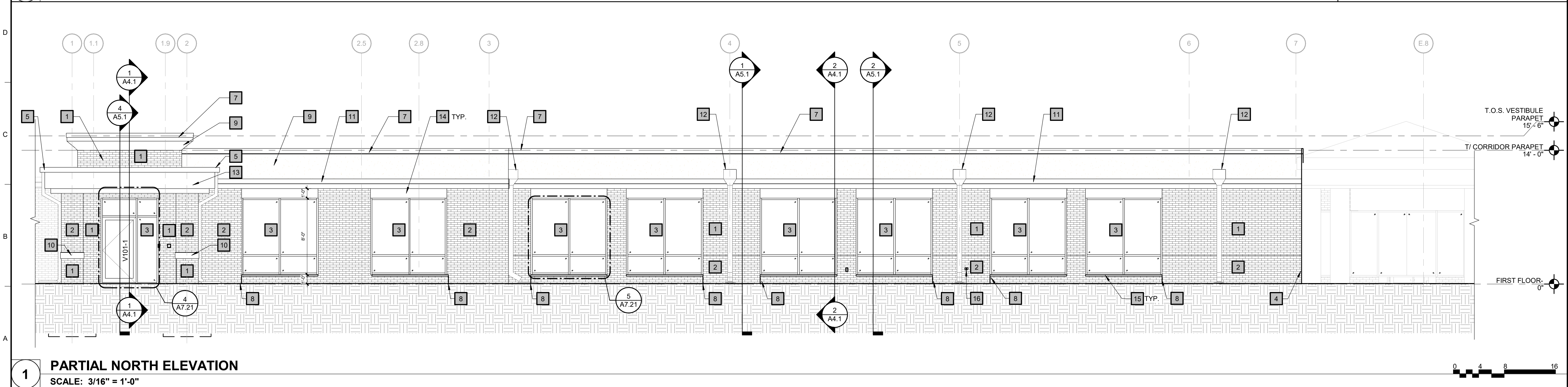
PROJECT NO.: 0200707.00



3 PARTIAL WEST ELEVATION
SCALE: 3/16" = 1'-0"



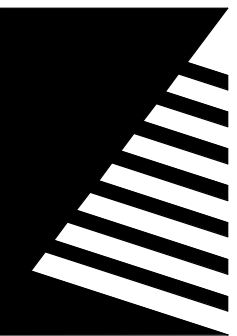
2 PARTIAL EAST ELEVATION
SCALE: 3/16" = 1'-0"



1 PARTIAL NORTH ELEVATION
SCALE: 3/16" = 1'-0"

- ELEVATION MATERIAL KEYNOTES:**
- 1 BRICK TYPE B (RED)
 - 2 BRICK TYPE A (BUFF)
 - 3 ALUMINUM STOREFRONT - DARK BRONZE FINISH
 - 4 2" EXPANSION JOINT
 - 5 GUTTER ON FASCIA BOARD - DARK BRONZE FINISH
 - 6 DOWNSPOUT - DARK BRONZE FINISH
 - 7 METAL COPING CAP - DARK BRONZE FINISH
 - 8 VERTICAL BRICK EXPANSION JOINT
 - 9 EIFS TYPE A (BUFF)
 - 10 STONE TRIM (OFF WHITE)
 - 11 METAL TRIM BAND - DARK BRONZE FINISH, HEIGHT AND CENTER JOINT TO MATCH EXISTING FASCIA IN EXISTING ADJACENT WALL
 - 12 SCUPPER, COLLECTOR HEAD, AND DOWNSPOUT - COLOR TO MATCH METAL COPING CAP (DARK BRONZE FINISH)
 - 13 COMPOSITE METAL PANEL, BUFF COLOR
 - 14 EIFS TYPE B (OFF WHITE)
 - 15 METAL SILL - DARK BRONZE FINISH
 - 16 SILLCOCK - SEE PLUMBING

NOTES:
PAINT ALL EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.



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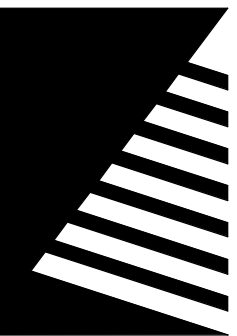
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
**EXTERIOR
ELEVATIONS**

SHEET NUMBER:

A3.1

PROJECT NO.: 0200707.00



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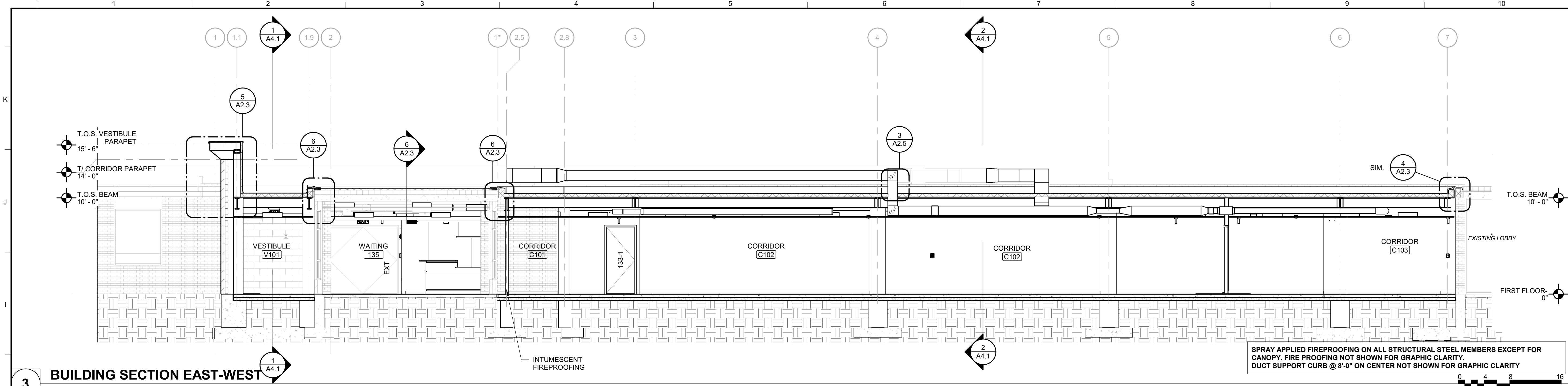
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
BUILDING SECTIONS

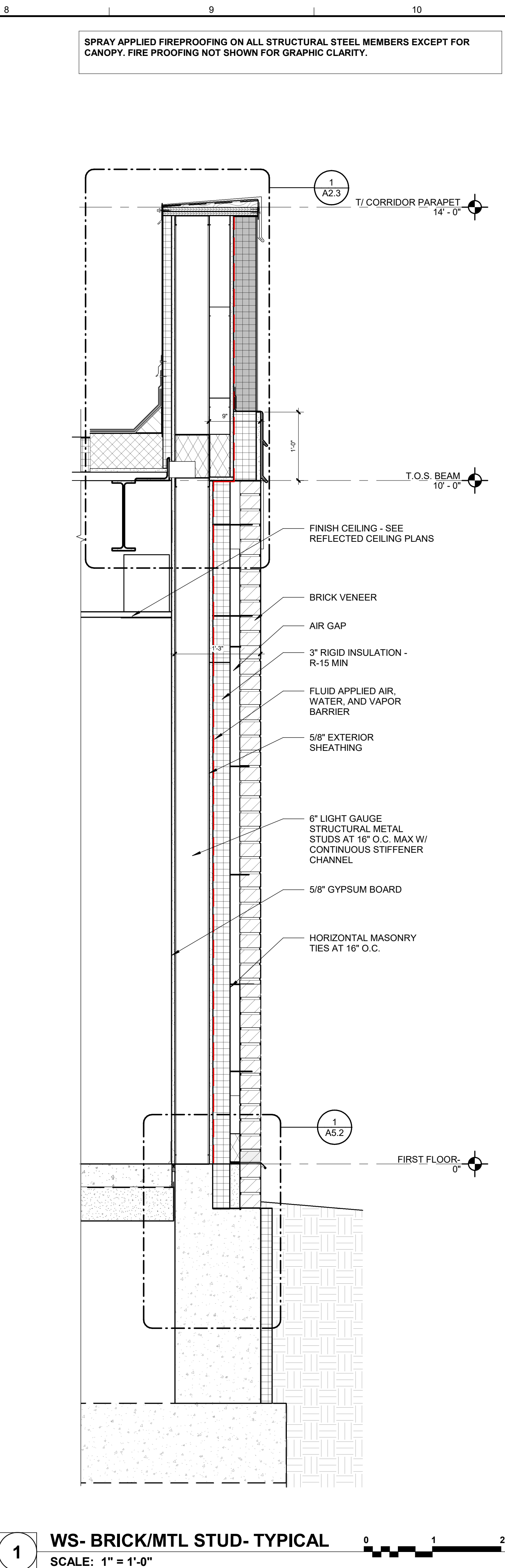
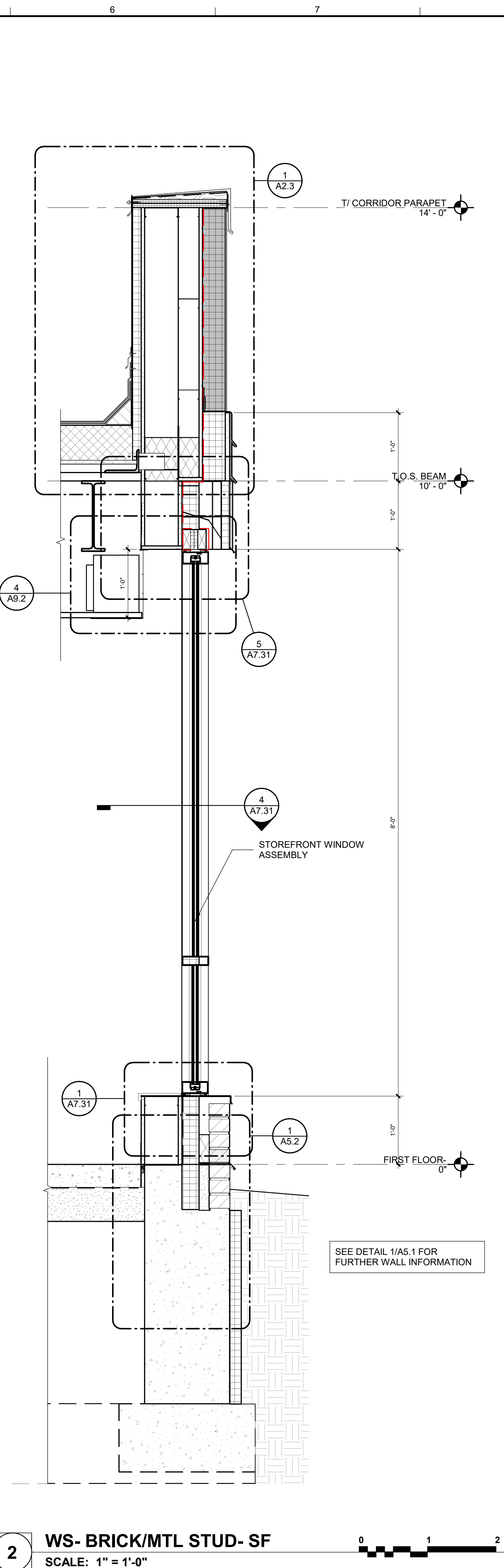
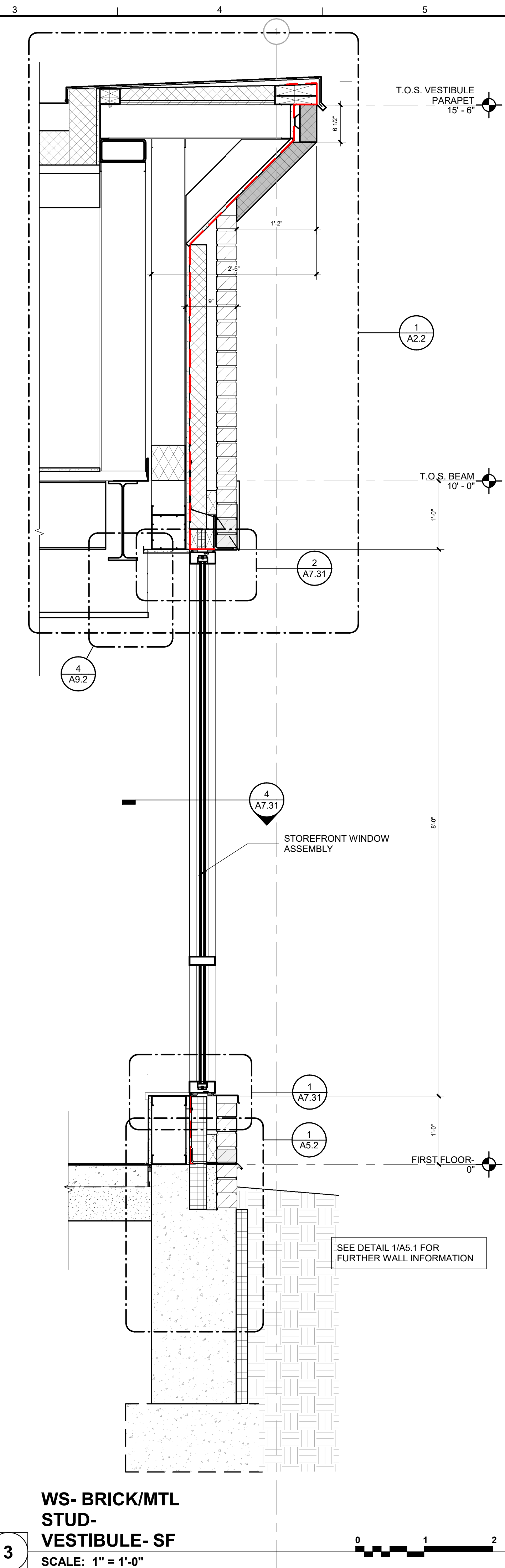
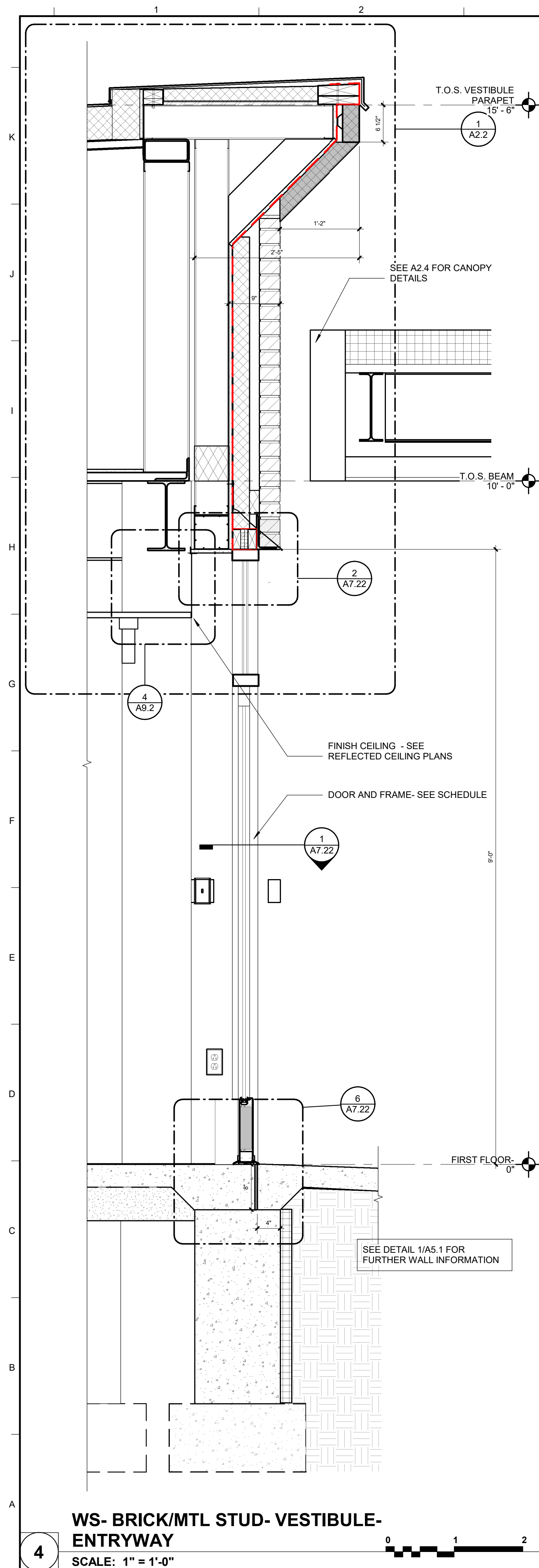
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A4.1

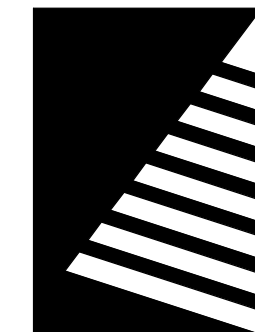
PROJECT NO.: 0200707.00



1/18/2021 3:41:00 PM



SPRAY APPLIED FIREPROOFING ON ALL STRUCTURAL STEEL MEMBERS EXCEPT FOR CANOPY. FIRE PROOFING NOT SHOWN FOR GRAPHIC CLARITY.



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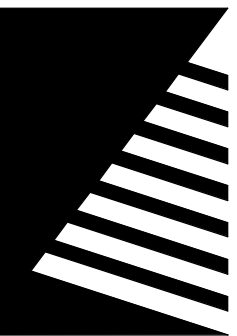
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
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SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A5.1

PROJECT NO.: 0200707.00



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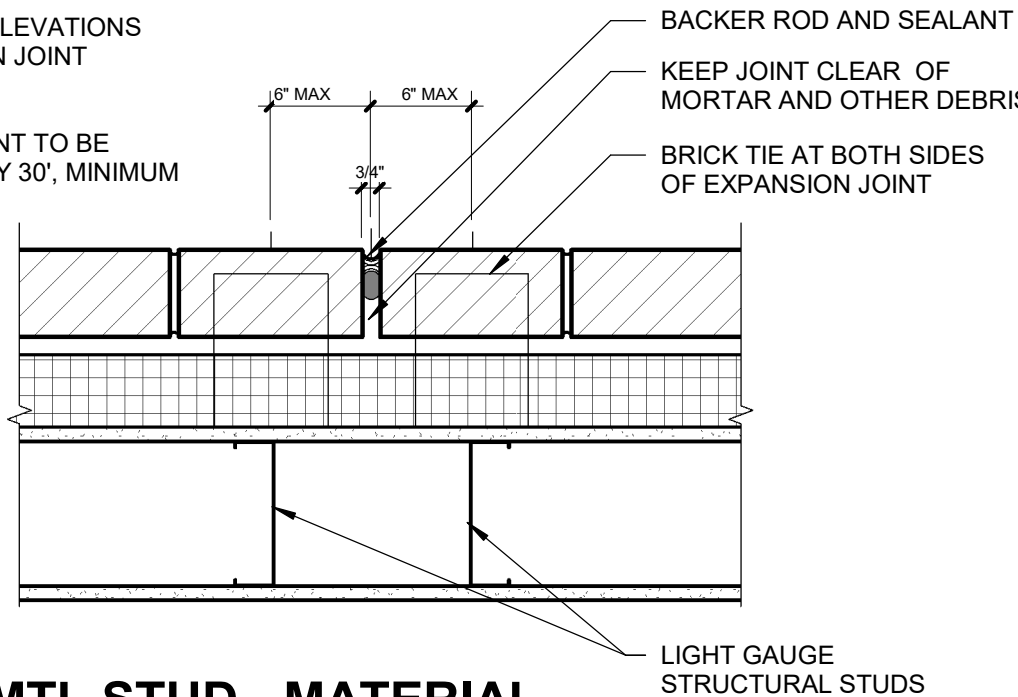
EXTERIOR DETAILS - BRICK/MTL STUD

SHEET NUMBER:

A5.2

PROJECT NO.: 0200707.00

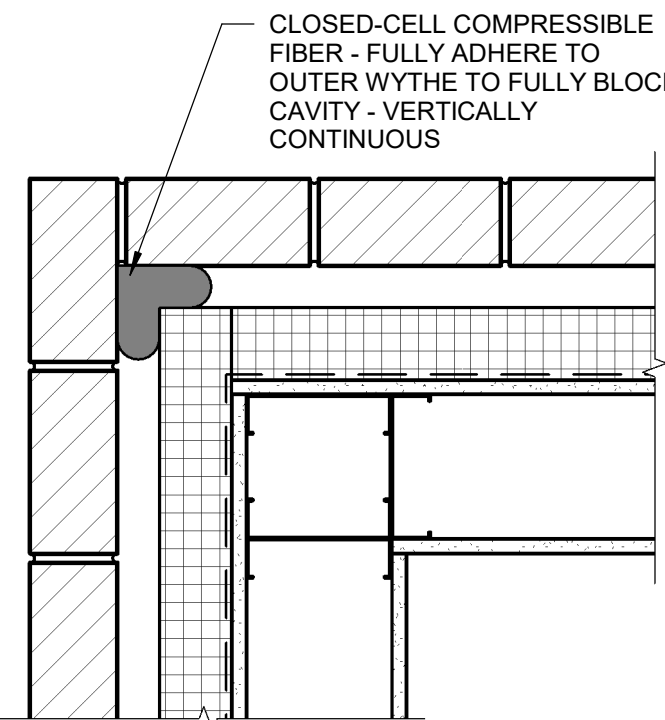
- NOTE:
1. SEE BUILDING ELEVATIONS FOR EXPANSION JOINT LOCATIONS.
2. EXPANSION JOINT TO BE LOCATED EVERY 30', MINIMUM



HD - BRICK/ MTL STUD - MATERIAL EXPANSION JOINT

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

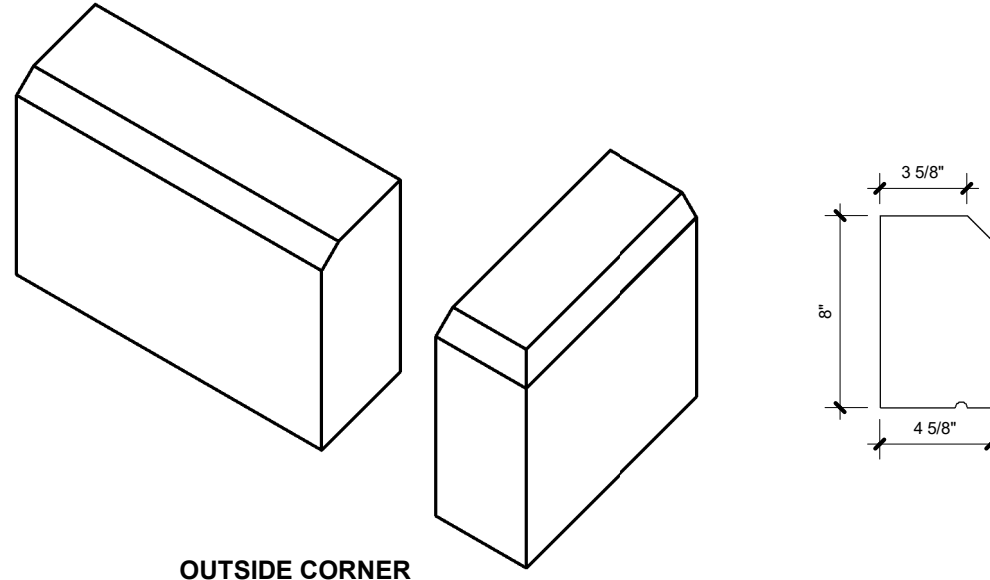
0 3" 6" 12"



HD - BRICK/ STUD - EXT CORNER

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

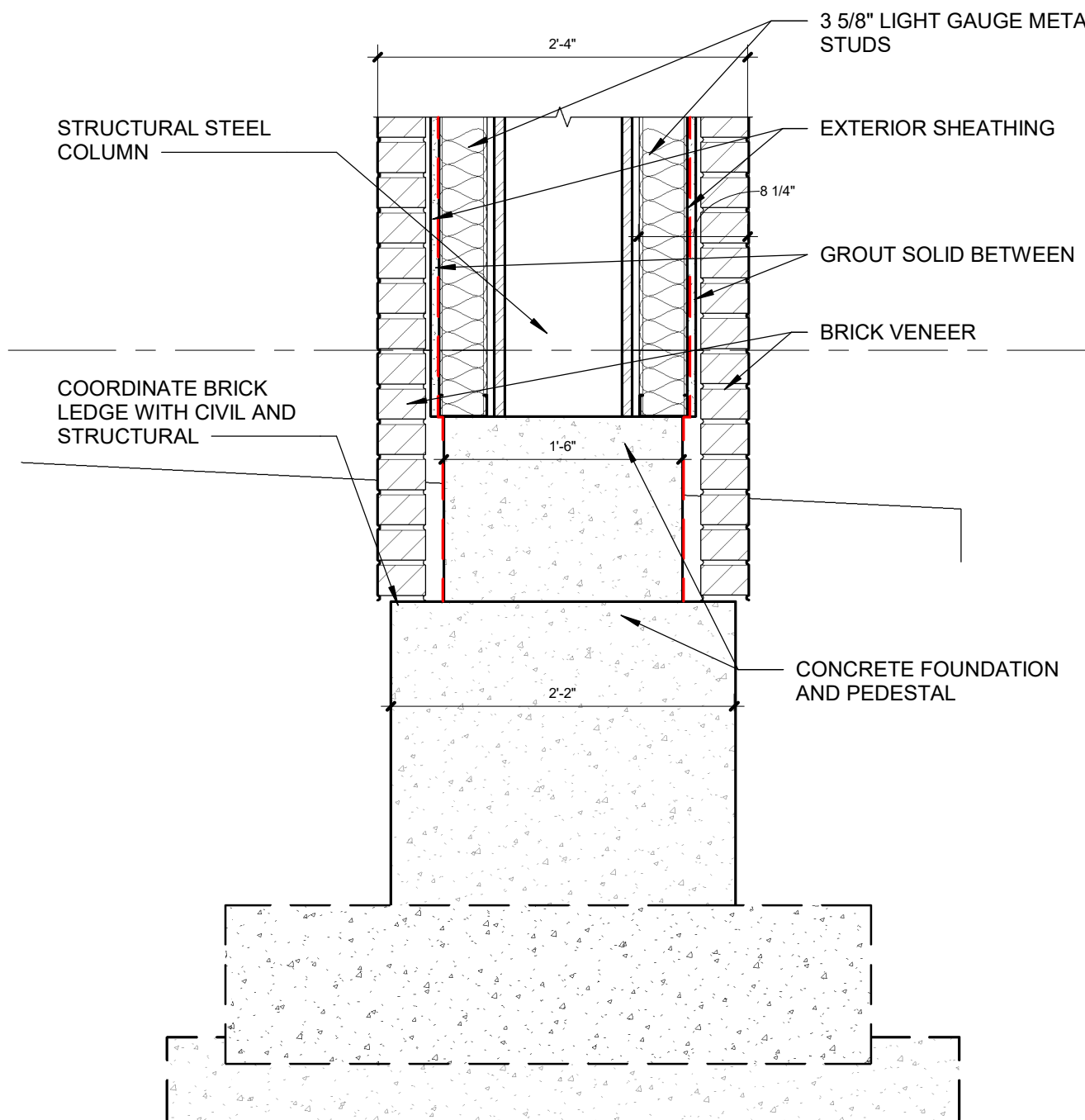
0 3" 6" 12"



CAST STONE TRIM BAND

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

0 3" 6" 12"

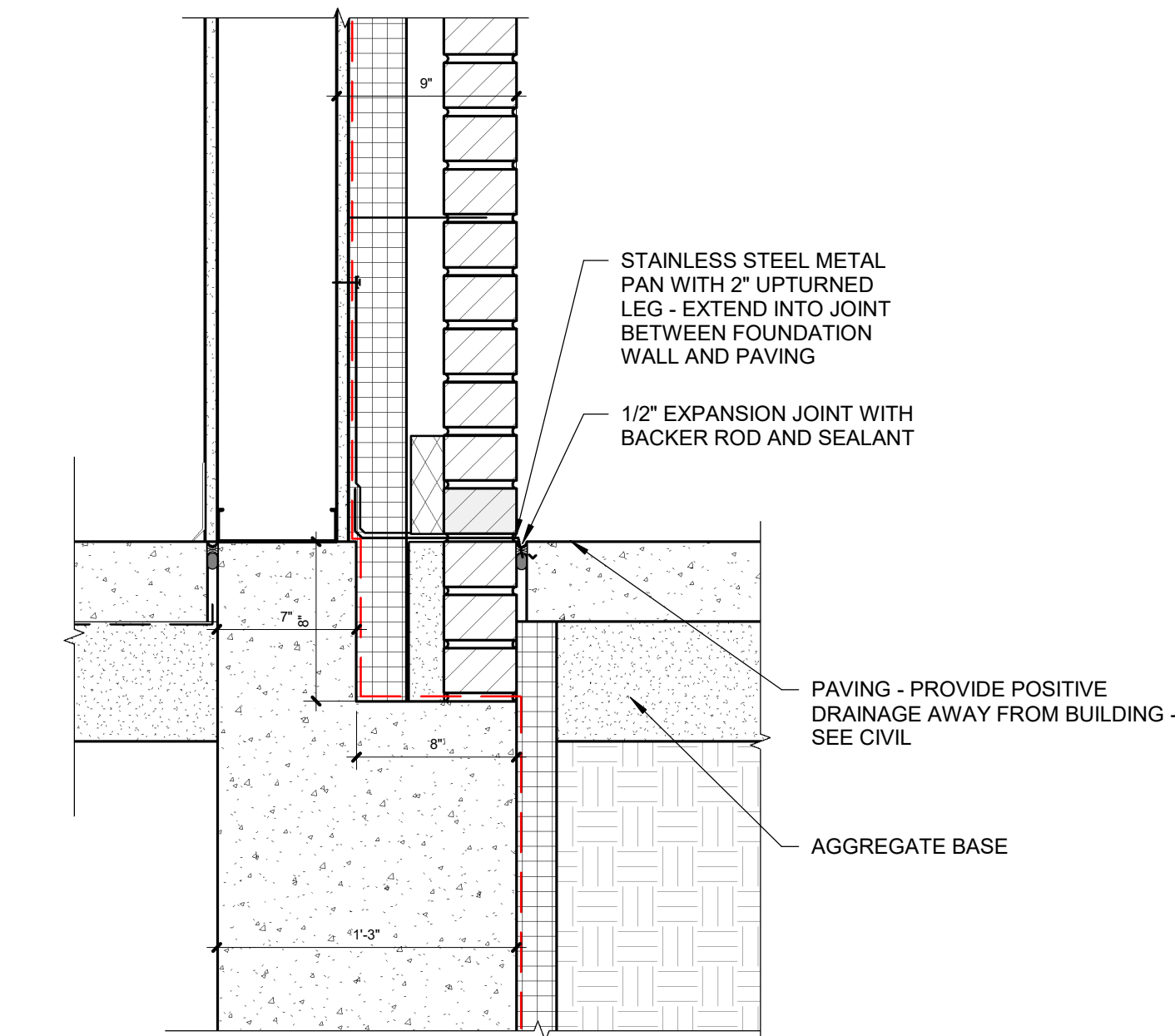


WB - CANOPY COLUMN

SCALE: 1" = 1'-0"

0 1 2

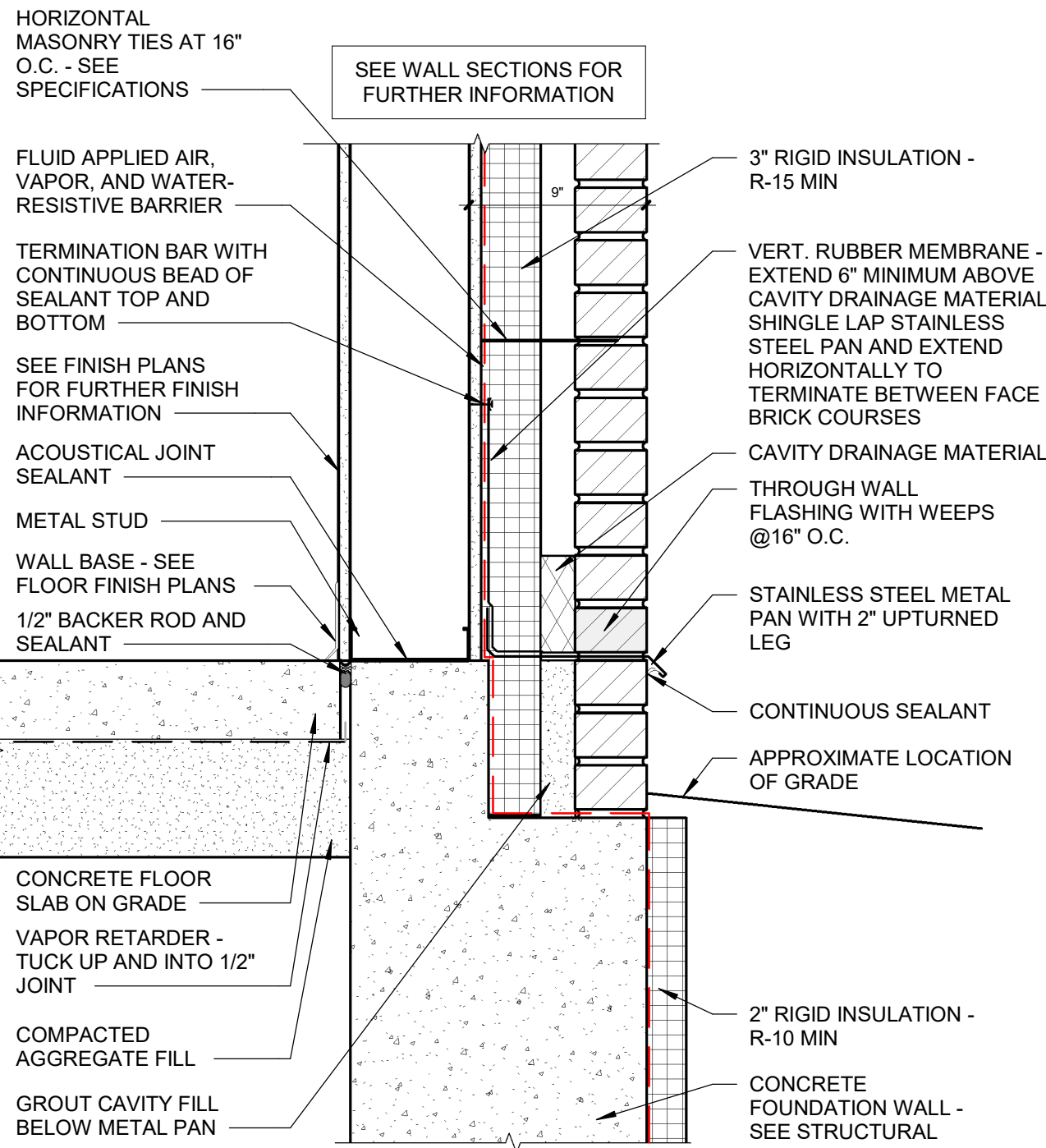
SEE 1/A5.2 FOR FURTHER INFORMATION



WB - BRICK/ MTL STUD - PAVEMENT

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

0 3" 6" 12"



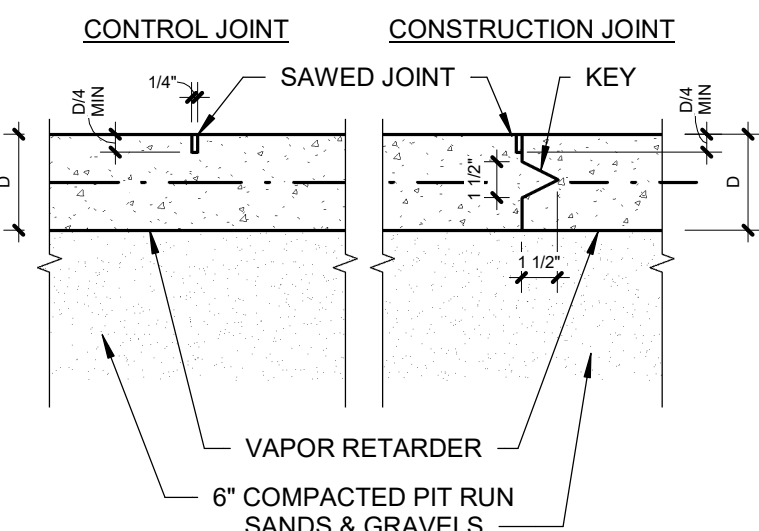
WB - BRICK/ MTL STUD - GRADE

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

0 3" 6" 12"

SEE STRUCTURAL FOR MORE DETAIL

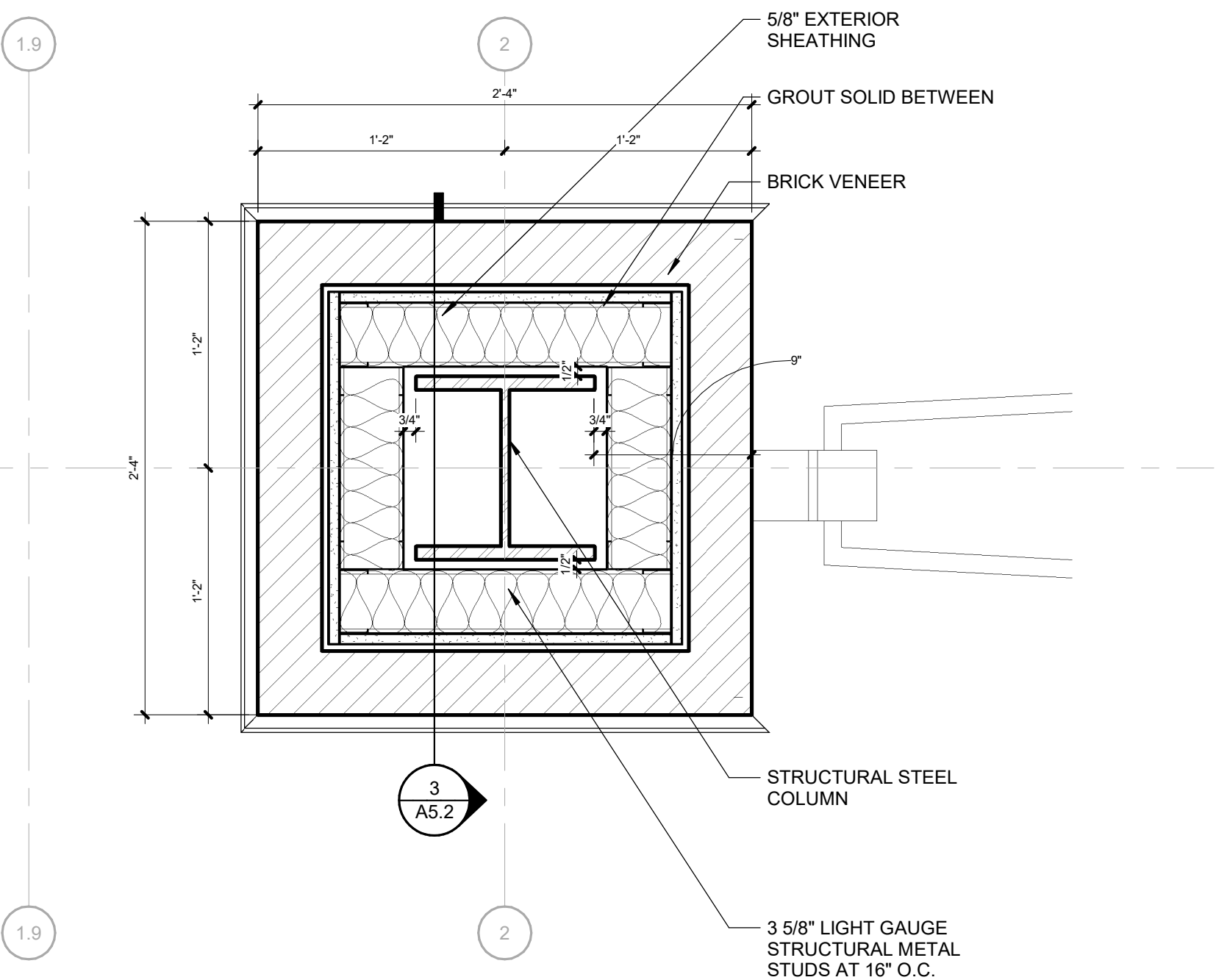
NOTE: PROVIDE JOINT FILLER AT EXPOSED FLOOR SLABS



TYPICAL CONCRETE FLOOR JOINTS

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

0 3" 6" 12"



ENLARGED CANOPY COLUMN - TYPICAL

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

1 2 3 4

1/16/2021 3:41:46 PM



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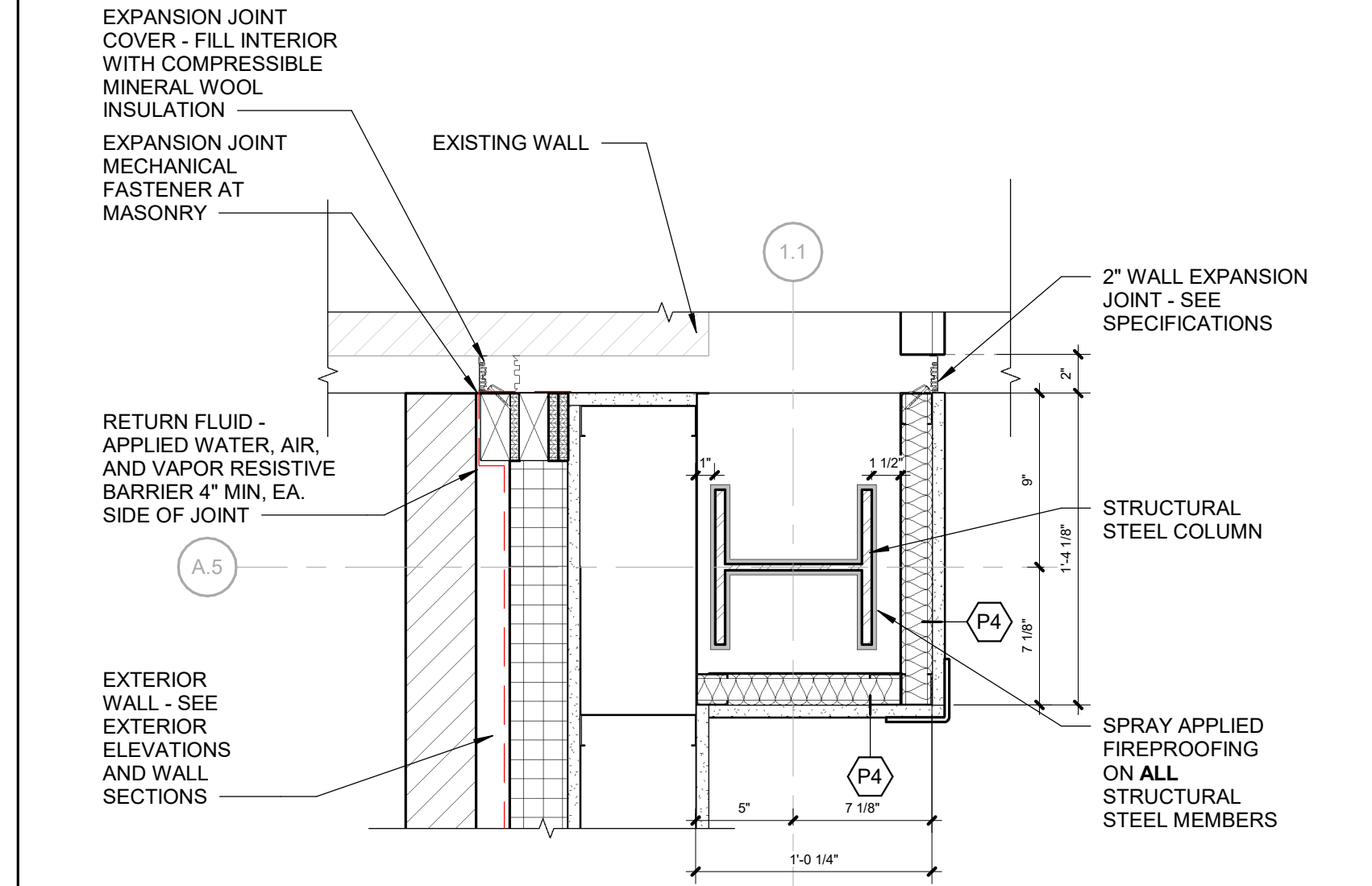
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
**INTERIOR DETAIL -
COLUMN WRAPS**

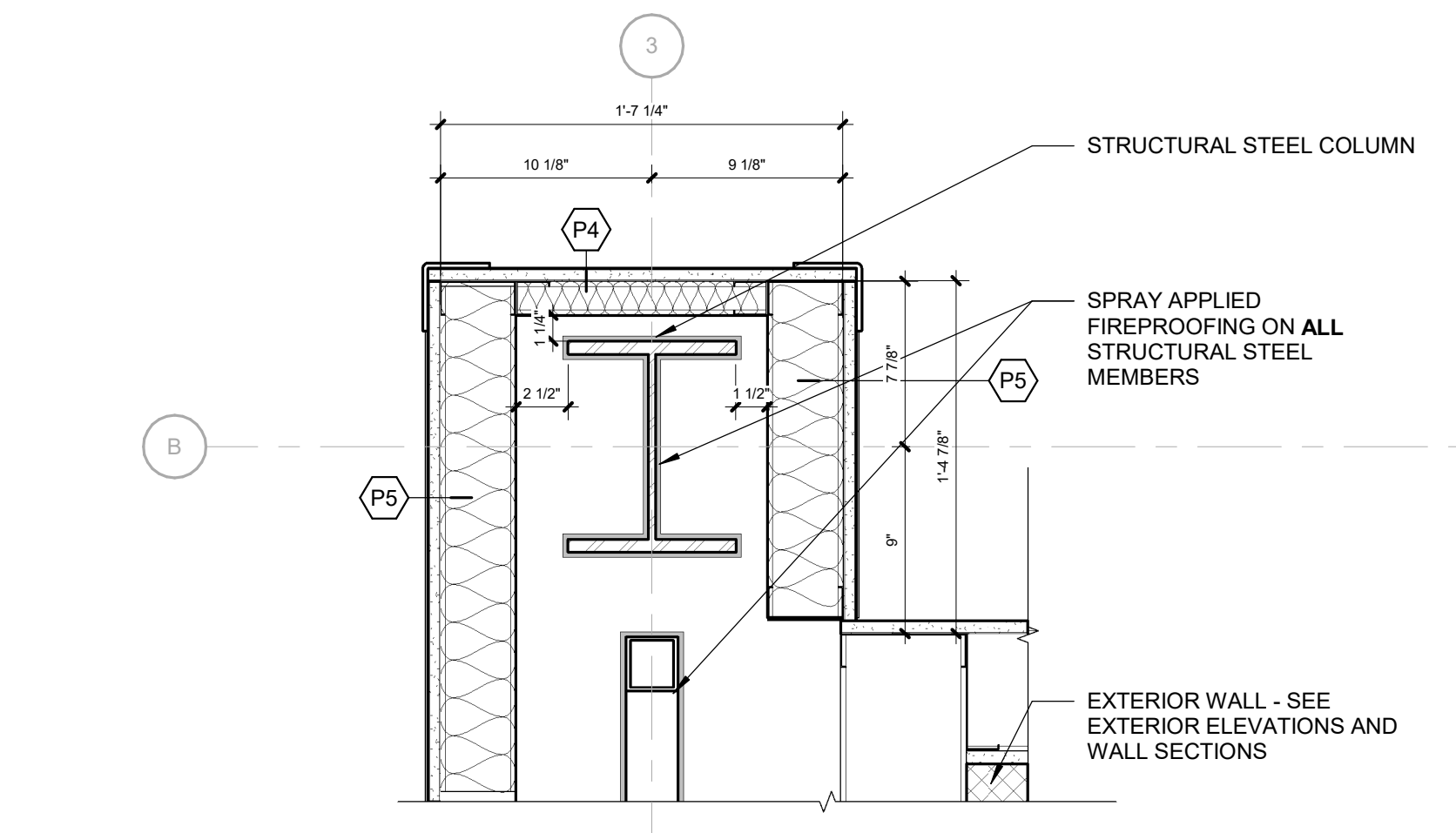
SHEET NUMBER:

A7.12

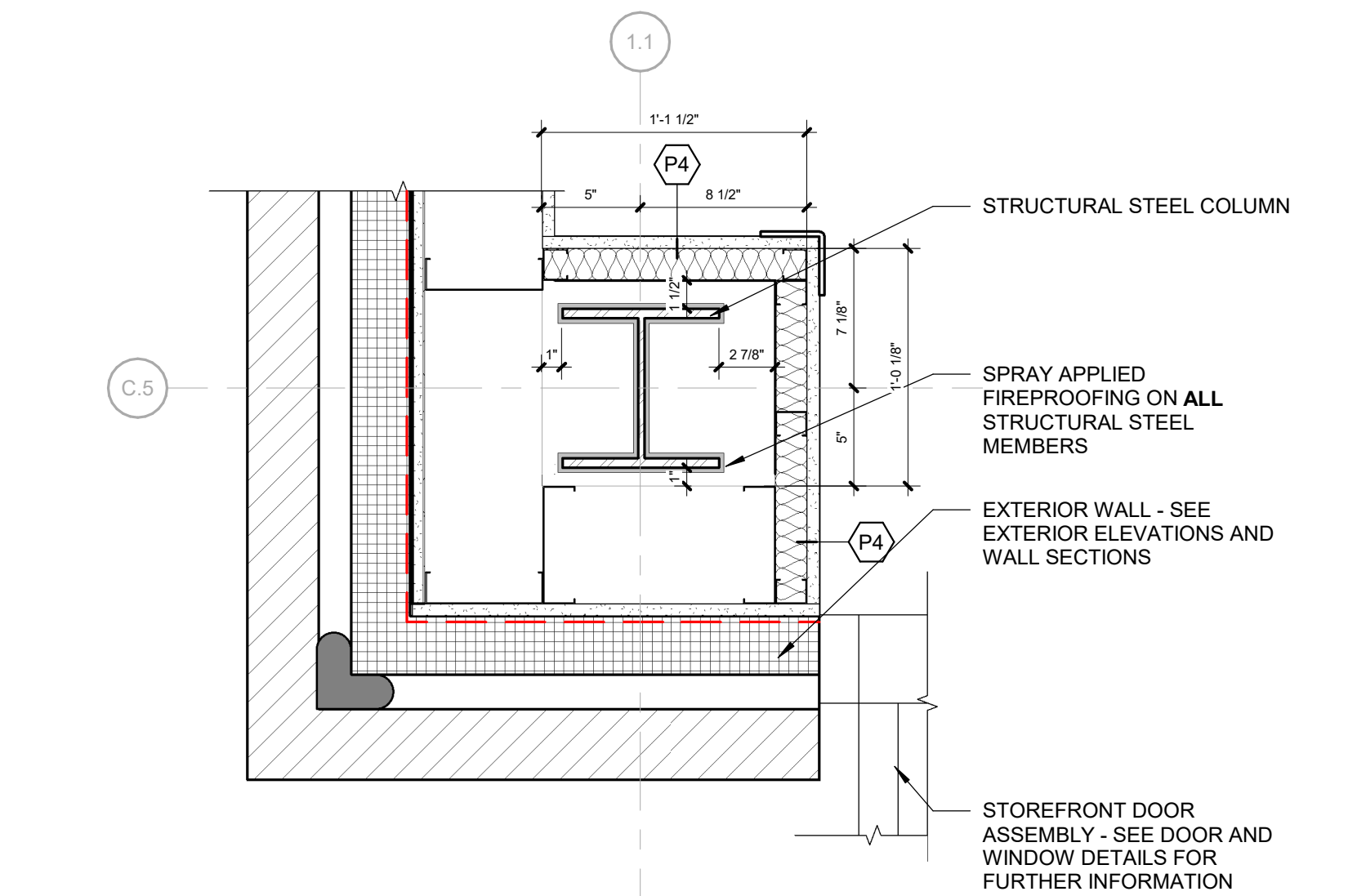
PROJECT NO.: 0200707.00



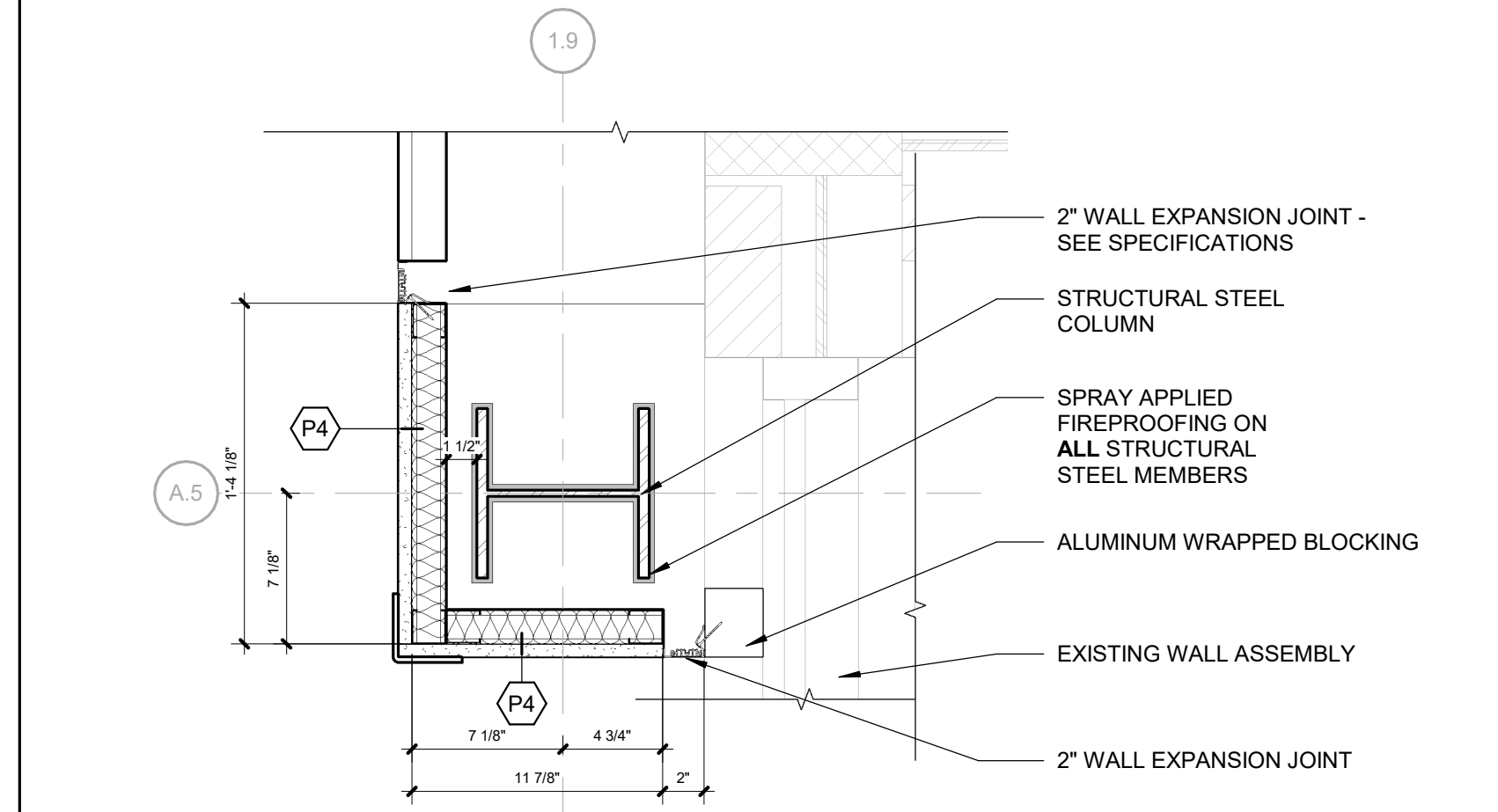
6 **INTERIOR COLUMN WRAP- VESTIBULE
V101 AT EXISTING WALL**
SCALE: 1 1/2" = 1'-0"



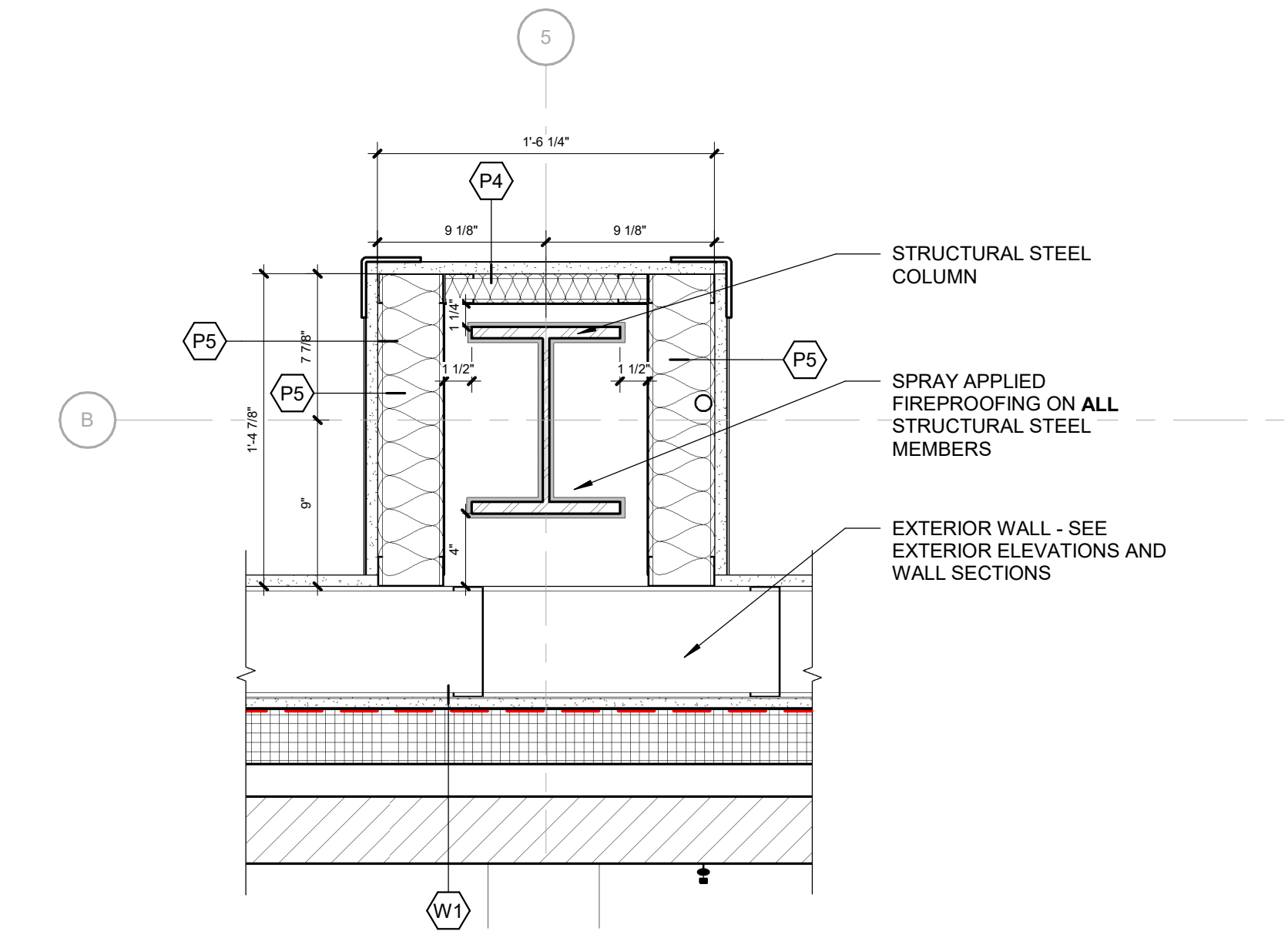
3 **INTERIOR COLUMN WRAP- CORRIDOR
C102**
SCALE: 1 1/2" = 1'-0"



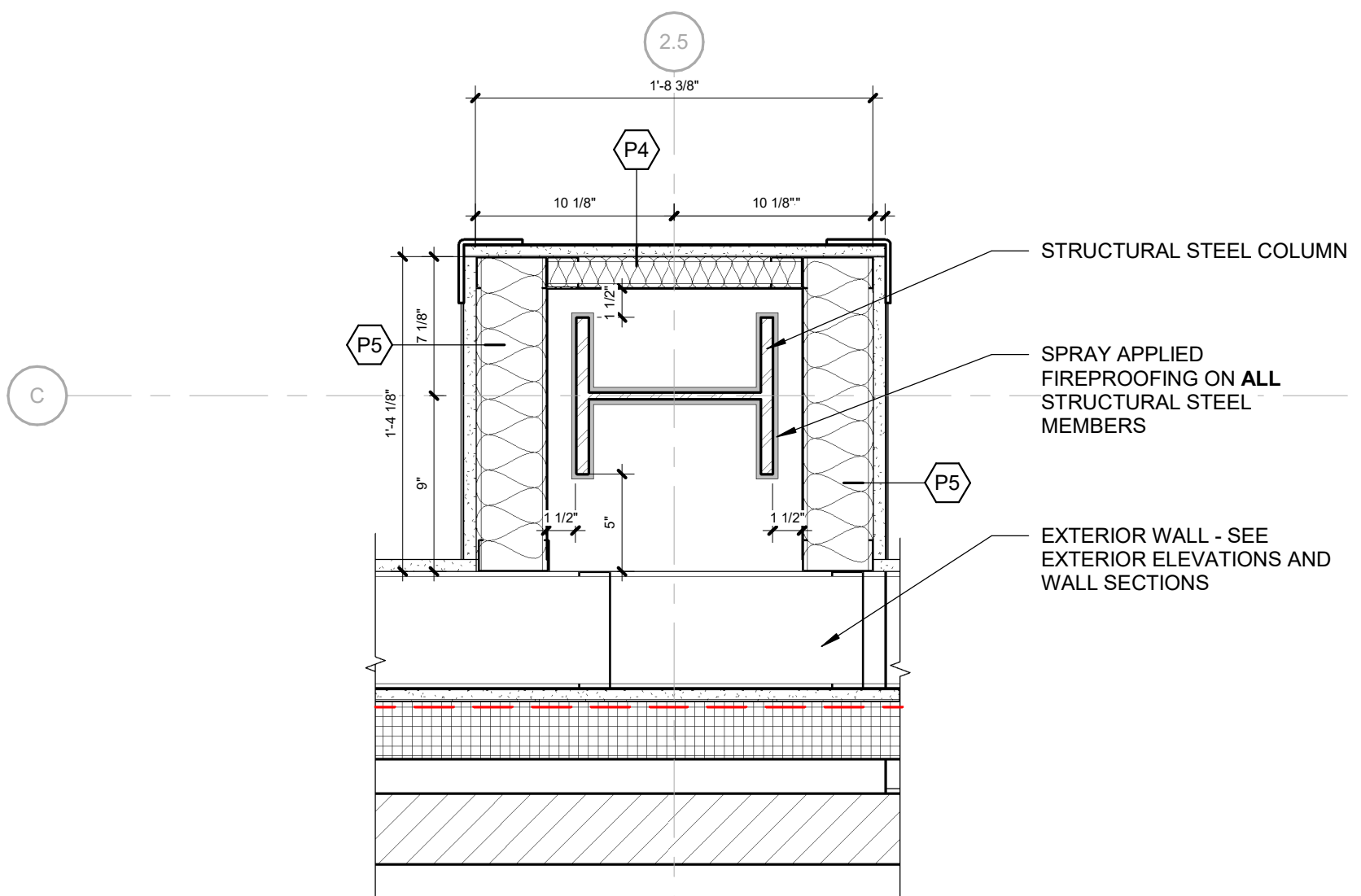
8 **INTERIOR COLUMN WRAP - VESTIBULE
V101**
SCALE: 1 1/2" = 1'-0"



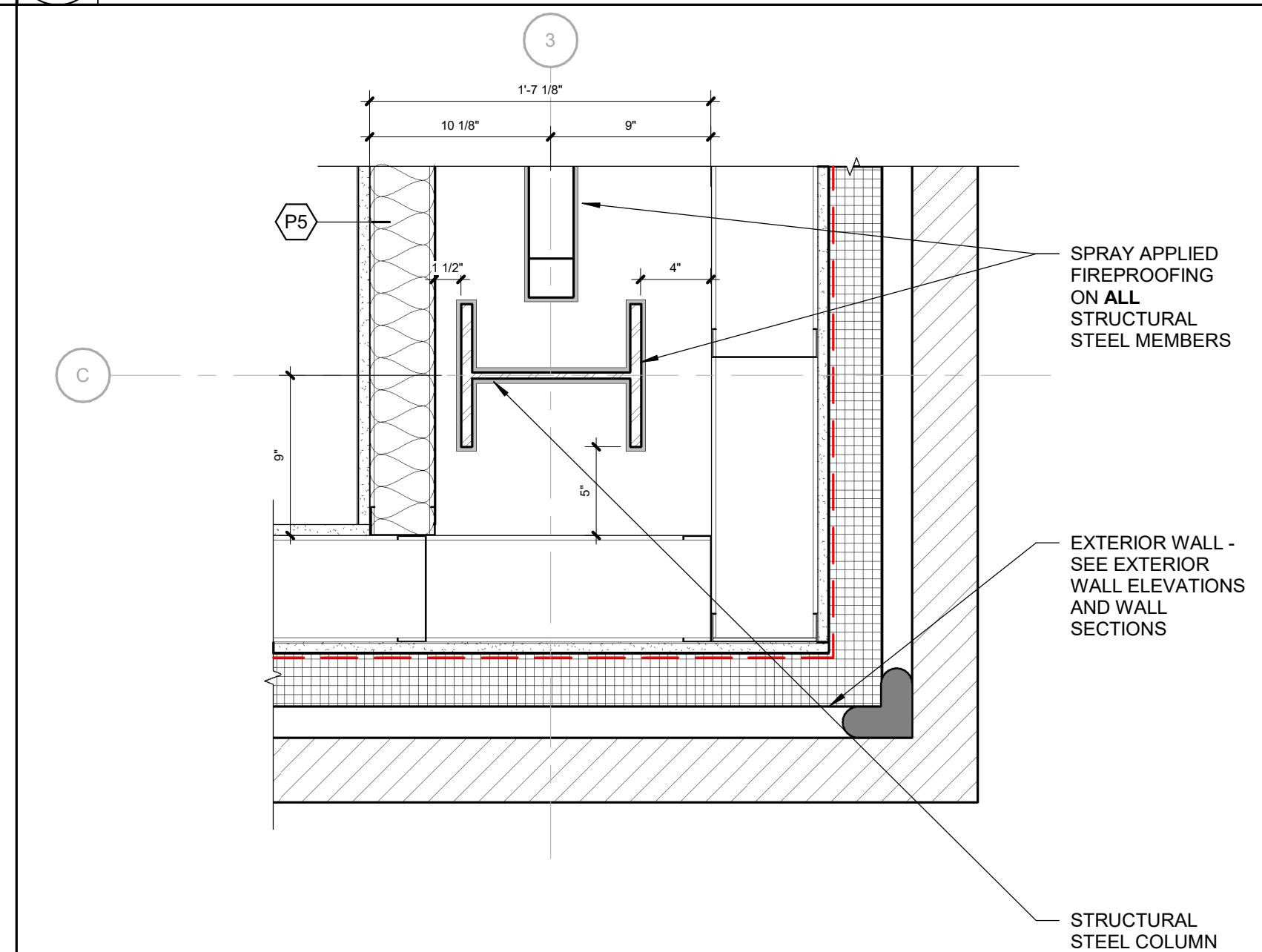
5 **INTERIOR COLUMN WRAP- VESTIBULE
V101 AT EXISTING SOLARIUM**
SCALE: 1 1/2" = 1'-0"



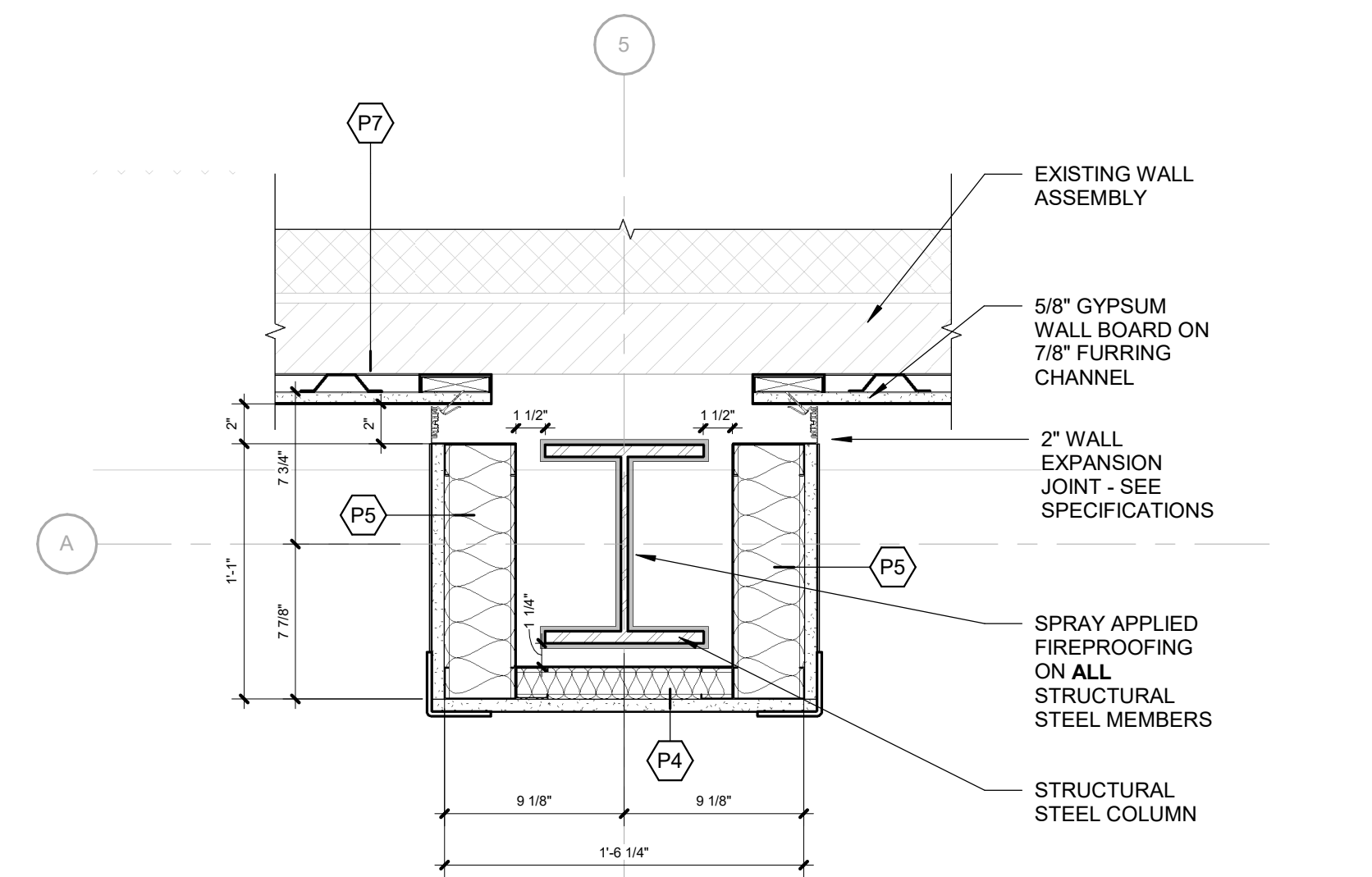
2 **INTERIOR COLUMN WRAP- CORRIDOR
C102**
SCALE: 1 1/2" = 1'-0"



7 **INTERIOR COLUMN WRAP - CORRIDOR
C101**
SCALE: 1 1/2" = 1'-0"

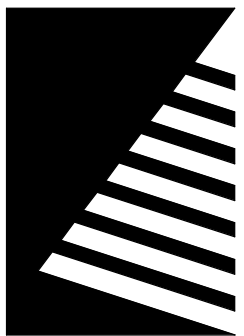


4 **INTERIOR COLUMN WRAP - CORRIDOR
C101**
SCALE: 1 1/2" = 1'-0"



1 **INTERIOR COLUMN WRAP- CORRIDOR
C102 AT EXISTING EXTERIOR WALL**
SCALE: 1 1/2" = 1'-0"

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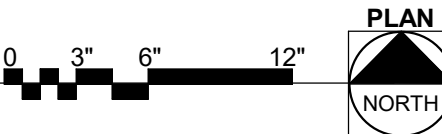
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INTERIOR DETAIL -
COLUMN WRAPS

SHEET NUMBER:

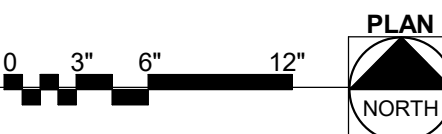
A7.13

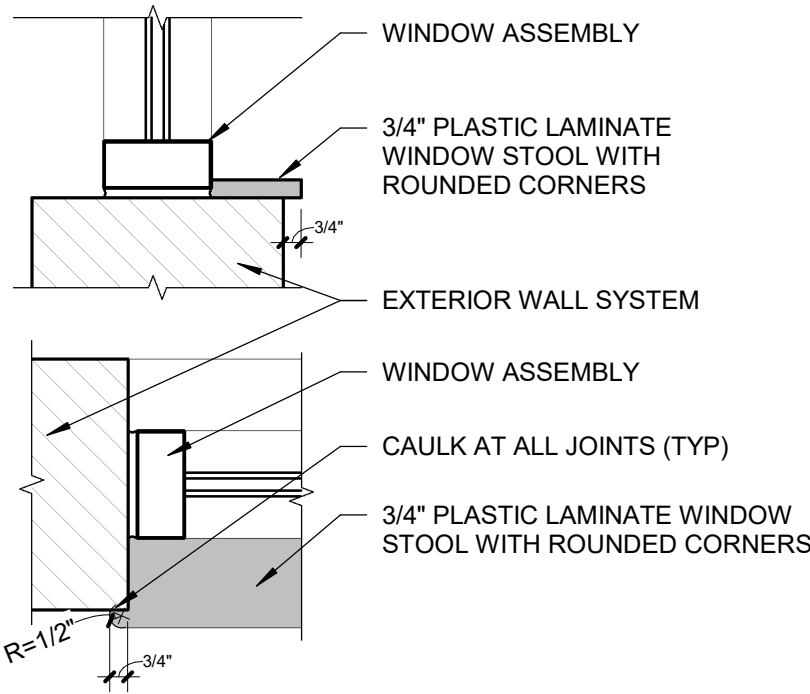
PROJECT NO.: 0200707.00

2 INTERIOR COLUMN WRAP - CORRIDOR C102
SCALE: 1 1/2" = 1'-0"



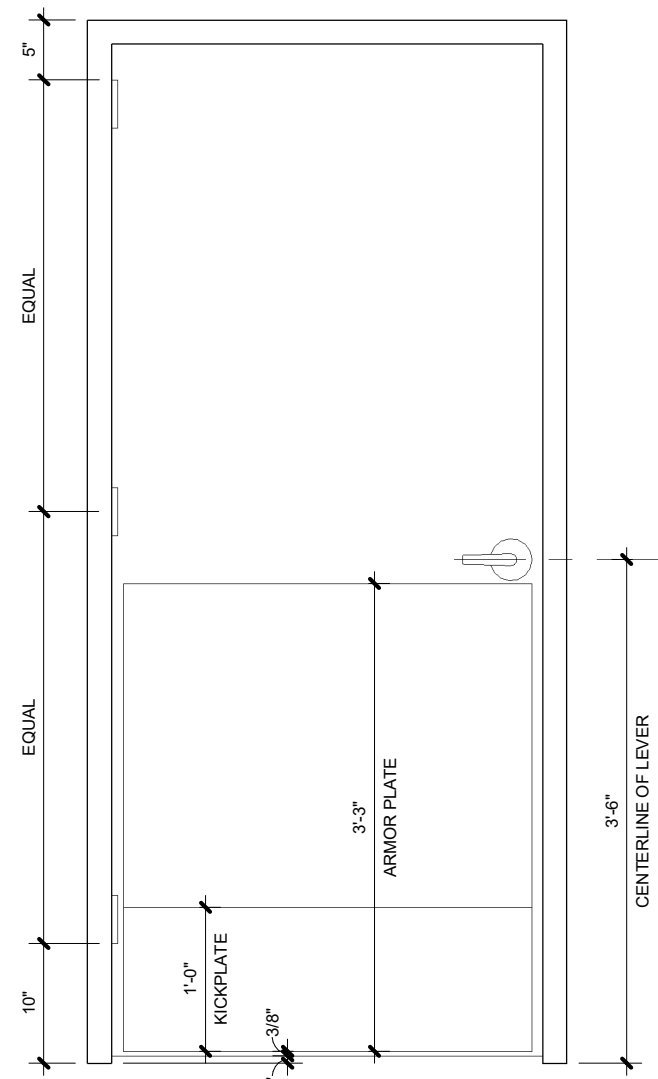
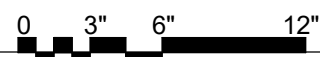
1 INTERIOR COLUMN WRAP - CORRIDOR C102 AT EXISTING WALL
SCALE: 1 1/2" = 1'-0"





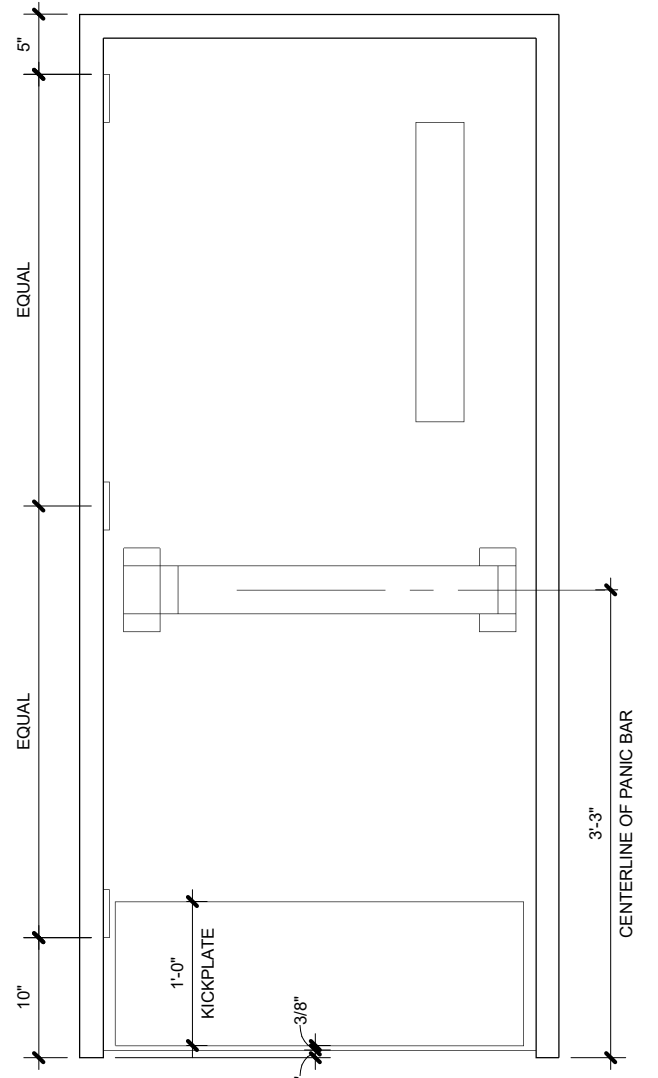
WINDOW SILL DETAIL

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



LEVER HARDWARE MOUNTING

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



PANIC DEVICE HARDWARE

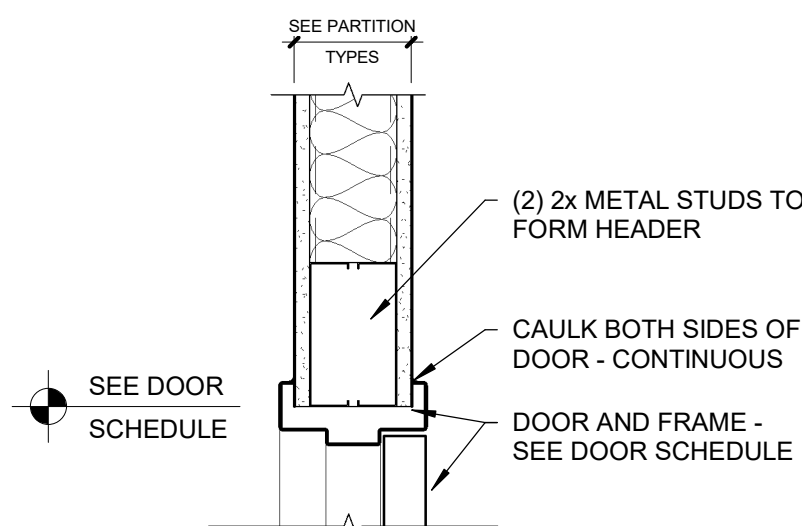
SCALE: 3/4" = 1'-0"



TYPICAL GLAZING NOTES

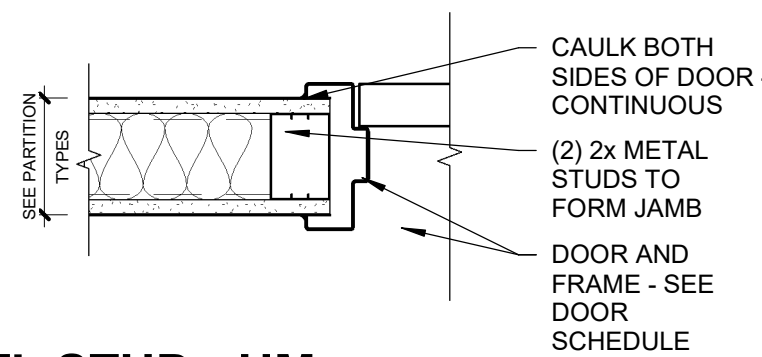
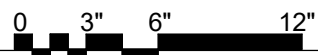
- ALL INTERIOR GLASS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
- ALL GLASS IN DOORS, SIDELIGHTS SHALL BE TEMPERED.
- ALL EXTERIOR GLASS SHALL BE INSULATED, TINTED, AND TEMPERED UNLESS NOTED OTHERWISE.
- PROVIDE FIRE RATED TEMPERED GLASS AT FIRE RATED CONDITIONS.
- SIZES SHOWN ARE NOMINAL - CONTRACTOR SHALL DETERMINE CLEARANCES REQUIRED FOR JOINTS, ETC.

IG-1: DARK GRAY TINTED TEMPERED INSULATED GLASS



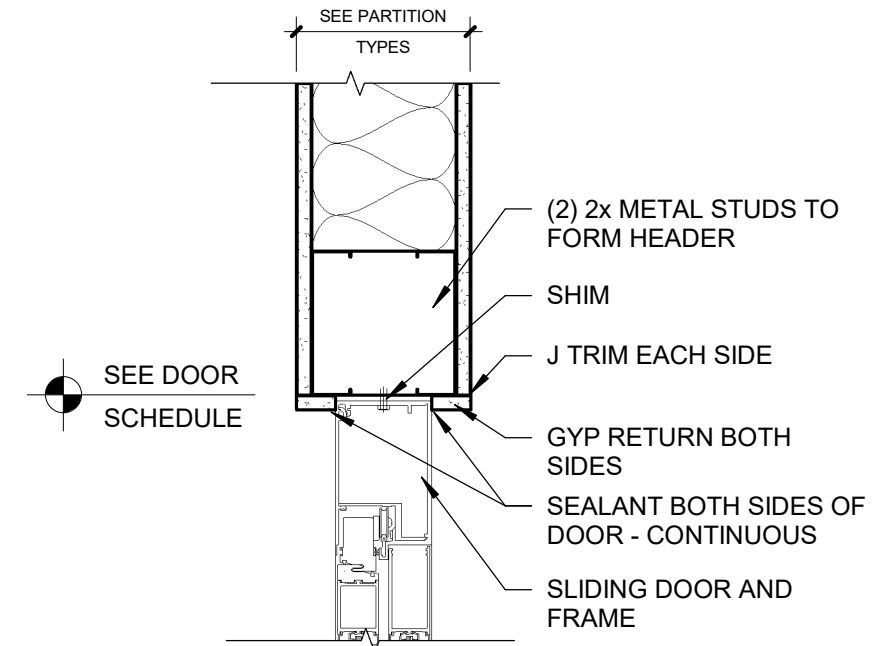
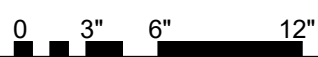
MTL STUD - HM DOOR - HEAD

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



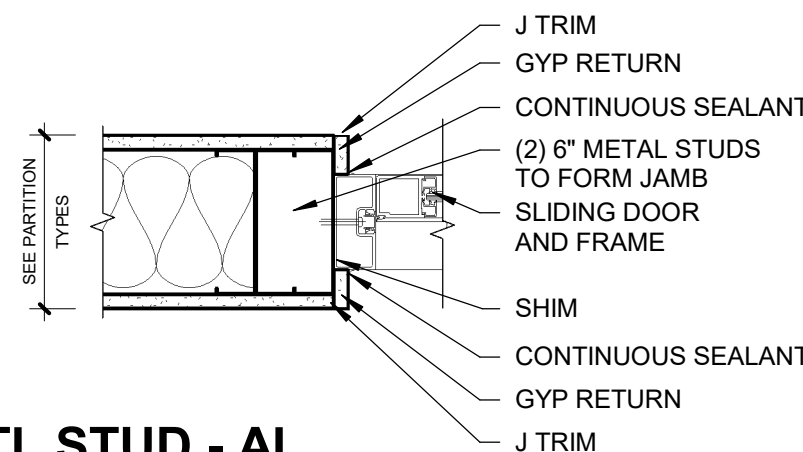
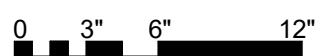
MTL STUD - HM DOOR - JAMB

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



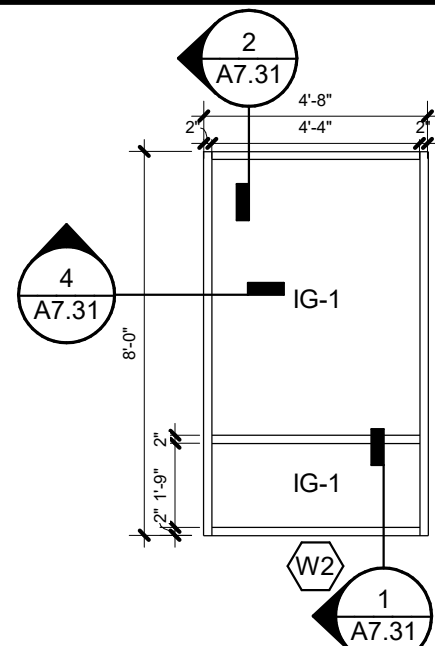
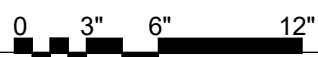
MTL STUD - AL SLIDING - HEAD

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



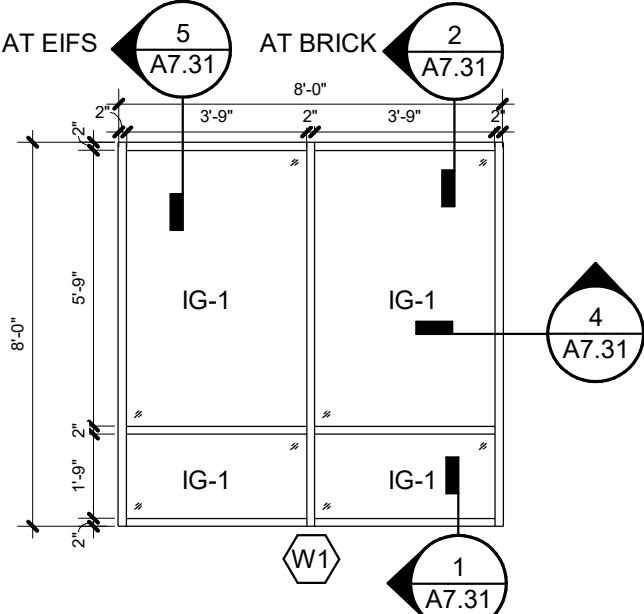
MTL STUD - AL SLIDING - JAMB

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



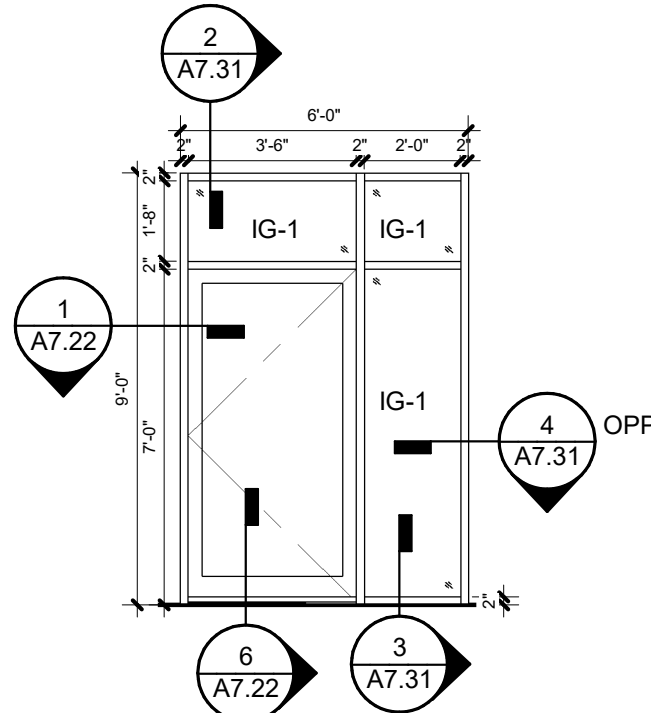
WEST GLAZING ELEVATION

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



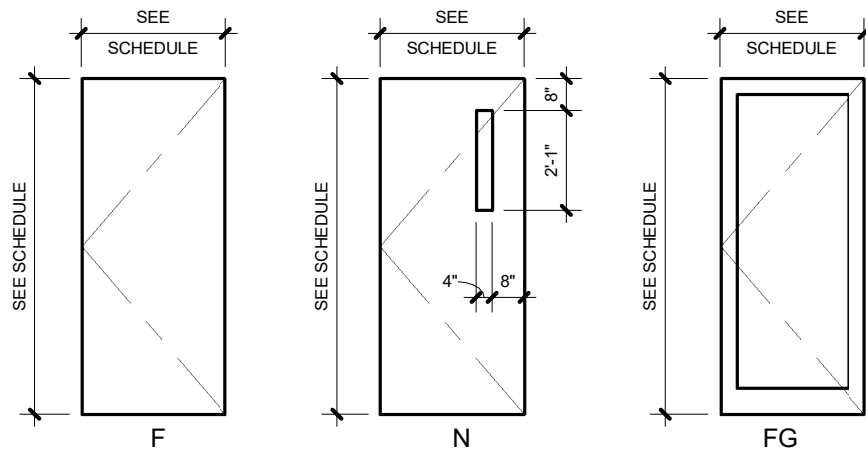
SOUTH GLAZING ELEVATION

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



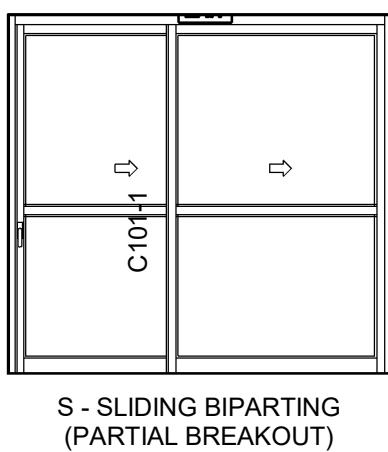
SOUTH ENTRY GLAZING ELEVATION

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



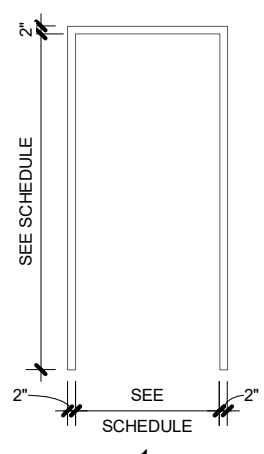
DOOR ELEVATIONS

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



SLIDING DOOR ELEVATION

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



FRAME ELEVATIONS

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



DOOR SCHEDULE

DOOR						DOOR FRAME			HEAD	JAMB	THRESH	LBL	HDWR	REMARKS	
NO.	WIDTH	HEIGHT	THICK	MAT'L	FINISH	ELEV	MAT'L	FINISH	ELEV	DETAIL NO.	DETAIL NO.		DETAIL NO.		SET
FIRST FLOOR															
119-1	3'-0"	7'-0"	1 3/4"	WD	PF	F	HM	PNT	1	10/A7.21	9/A7.21	-	90 MIN	INT6	
129-1	3'-8"	7'-0"	1 3/4"	WD	PF	F	HM	PNT	1	10/A7.21	9/A7.21	-	-	INT1	
130-1	3'-0"	7'-0"	1 3/4"	WD	PF	N	HM	PNT	1	10/A7.21	9/A7.21	-	-	INT2	
130-2	3'-0"	7'-0"	1 3/4"	WD	PF	N	HM	PNT	1	10/A7.21	9/A7.21	-	-	INT2	
132-1	8'-0"	7'-6"	2"	AL	PF	S	AL	PF	1	8/A7.21	7/A7.21	-	-	ASD1	PBX2
132-2	8'-0"	7'-6"	2"	AL	PF	S	AL	PF	1	8/A7.21	7/A7.21	-	-	ASD1	PBX2
133-1	3'-0"	7'-0"	1 3/4"	WD	PF	F	HM	PNT	1	10/A7.21	9/A7.21	-	-	INT3	
C101-1	8'-0"	7'-6"	2"	AL	PF	S	AL	PF	1	8/A7.21	7/A7.21	-	-	ASD1	CR,PBX2
C102-1	6'-0"	7'-0"	1 3/4"	WD	PF	N	HM	PNT	1	10/A7.21	9/A7.21	-	90 MIN	INT5	HOX2
C107-1	3'-0"	7'-0"	1 3/4"	WD	PF	N	HM	PNT	1	10/A7.21	9/A7.21	-	-	INT4	CR,ES
V101-1	3'-6"	7'-0"	2"	AL	PF	FG	AL	PF	4/A7.21	8/A7.21	7/A7.21	6/A7.22	-	EXT1	PBX2, CR

AL= ALUMINUM
ALCW= ALUMINUM CLAD WOOD
EXIST= EXISTING
FRP= FIBER REINFORCED PLASTIC
HM= HOLLOW METAL
IHM= INSULATED HOLLOW METAL
OHD= OVERHEAD DOOR
PF= PREFINISHED
PNT= PAINT
SCW= SOLID CORE WOOD
STN= STAIN
WD= WOOD

REMARKS:

CR CARD READER
ES ELECTRIC STRIKE
HO HOLD OPEN
PB PUSH BUTTON FOR AUTO DOOR OPERATOR

DOOR HARDWARE

HARDWARE SET EXT1 - SINGLE STOREFRONT ALUMINUM AND GLASS ENTRY DOOR, ACCESS CONTROL AND AUTO DOOR OPERATION

OPERATIONAL DESCRIPTION: SELF-CLOSING WITH ACCESS CONTROL VIA CARD ACCESS. EXTERIOR SIDE LEVER IS FIXED, SO ENTRANCE IS NOT POSSIBLE UNLESS THE ELECTRIC LATCH IS RETRACTED. CARD READER ACTIVATION ON EXTERIOR SIDE ENERGIZES ELECTRIC LATCH RETRACTION AND ALLOWS THE AUTO DOOR ACTUATOR TO OPERATE SO THE DOOR CAN BE OPENED. AUTOMATIC DOOR ACTUATOR ENERGIZES THE LATCH RETRACTION TO ALLOW DOOR TO OPEN FROM THE INTERIOR SIDE. KEY RETRACTS LATCHBOLT. FREE EGRESS WITH OPERATION OF THE RIM EXIT DEVICE PUSH PAD IS ALWAYS PROVIDED FROM INTERIOR SIDE. PUSH PAD MONITOR SWITCH ALLOWS THE USE OF THE DOOR TO BE MONITORED IF SO DESIRED.

EACH TO HAVE:

- 1 CONTINUOUS HINGE
- 1 DOOR OPERATOR - LCN 4642
- 1 PANIC DEVICE, ELECTRIC LATCH RETRACTION
- 1 ELECTRIC POWER TRANSFER
- 1 POWER SUPPLY
- 1 RIM CYLINDER
- 1 THRESHOLD
- 1 RAIN DRIP
- 1 DOOR SWEEP
- 1 GASKETING
- 2 ACTUATOR, WALL MOUNT - LCN, 8310-853
- 1 MULTITECH READER, MT15

HARDWARE SET INT1 - SINGLE ROOM DOOR, NOT LOCKED

OPERATIONAL DESCRIPTION: BOTH LEVERS ALWAYS UNLOCKED AND FREE FOR IMMEDIATE EGRESS.

EACH TO HAVE:

- 3 BUTT HINGE
- 1 PASSAGE LATCHSET
- 1 WALL STOP
- 1 KICKPLATE
- 1 SEALS
- 1 AUTOMATIC DOOR BOTTOM

SOUND CONTROL THRESHOLD AND ACOUSTIC SEAL.

HARDWARE SET INT2 - SINGLE ROOM DOOR, LOCKABLE

OPERATIONAL DESCRIPTION: OUTSIDE LEVER LOCKED AND UNLOCKED BY KEY. INSIDE LEVER ALWAYS UNLOCKED AND IS ALWAYS FREE FOR IMMEDIATE EGRESS. SELF CLOSING.

EACH TO HAVE:

- 3 BUTT HINGE
- 1 CLASSROOM LOCKSET
- 1 WALL STOP
- 1 KICKPLATE
- 1 SEALS

HARDWARE SET INT3 - SINGLE ROOM DOOR, LOCKABLE, SELF CLOSING

OPERATIONAL DESCRIPTION: OUTSIDE LEVER LOCKED AND UNLOCKED BY KEY. INSIDE LEVER ALWAYS UNLOCKED AND IS ALWAYS FREE FOR IMMEDIATE EGRESS. SELF CLOSING.

EACH TO HAVE:

- 3 BUTT HINGE
- 1 PANIC DEVICE, RIM - STOREROOM FUNCTION
- 1 CLOSER
- 1 ELECTRIC STRIKE
- 1 MULTITECH READER, MT15
- 1 WALL STOP
- 1 KICKPLATE
- 1 SEALS
- 1 POWER SUPPLY

HARDWARE SET INT4 - SINGLE ROOM DOOR, ACCESS CONTROL

OPERATIONAL DESCRIPTION: SELF-CLOSING WITH ACCESS CONTROL VIA AN ELECTRIC STRIKE AND CARD READER. CORRIDOR SIDE LEVER IS FIXED, SO ENTRANCE IS NOT POSSIBLE UNLESS THE ELECTRIC STRIKE IS DE-ENERGIZED. CARD SWIPE ACTIVATION ON LOBBY SIDE DE-ENERGIZES ELECTRIC STRIKE, SO THE DOOR CAN BE OPENED. FREE EGRESS WITH OPERATION OF THE RIM EXIT DEVICE PUSH PAD IS ALWAYS PROVIDED FROM INTERIOR SIDE.

EACH TO HAVE:

- 3 BUTT HINGE
- 1 PANIC DEVICE, RIM - STOREROOM FUNCTION
- 1 CLOSER
- 1 ELECTRIC STRIKE
- 1 MULTITECH READER, MT15
- 1 WALL STOP
- 1 KICKPLATE
- 1 SEALS
- 1 POWER SUPPLY

HARDWARE SET INT5 - DOUBLE EGRESS FIRE DOORS, HOLD OPEN

OPERATIONAL DESCRIPTION: FREE EGRESS AT ALL TIMES. PRESSING PUSH BAR RETRACTS VERTICAL RODS, LEVER ALWAYS UNLOCKED. SELF-CLOSING. TEMPLATING ALLOWS SPRING CUSH ARM TO STOP THE DOOR'S SWING BETWEEN 85 AND 110 DEGREES.

'SEH' HOLD OPEN UNIT IS CONTINUOUSLY ENERGIZED ALLOWING THE DOORS TO BE HELD OPEN UNDER NORMAL BUILDING CONDITIONS. WHEN THE FIRE ALARM IS ACTIVATED, POWER TO THE 'SEH' UNIT IS DISCONNECTED ALLOWING THE AUXILIARY DOOR CLOSER TO CLOSE DOOR AUTOMATICALLY.

EACH TO HAVE:

- 6 BUTT HINGE
- 2 PANIC DEVICE
- 2 SURFACE CLOSER
- 2 FIRE/LIFE HOLDER
- 2 MEETING STYLE

HARDWARE SET INT6 - SINGLE ROOM DOOR, LOCKABLE, SELF CLOSING

OPERATIONAL DESCRIPTION: OUTSIDE LEVER LOCKED AND UNLOCKED BY KEY. INSIDE LEVER ALWAYS UNLOCKED AND IS ALWAYS FREE FOR IMMEDIATE EGRESS. SELF CLOSING.

EACH TO HAVE:

- 3 BUTT HINGE
- 1 CLASSROOM LOCKSET
- 1 CLOSER
- 1 FLOOR STOP
- 1 KICKPLATE
- 1 SEALS

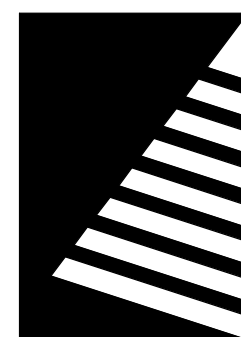
AUTOMATIC SLIDING DOORS

ASD1 - HORTON PROFILER SERIES 2000B BELT DRIVE, TYPE 310 SINGLE SLIDE, SO-SX, 8' UNIT WIDTH.

C101-1 - OPERATIONAL DESCRIPTION: 3'-6" SLIDER OPENING. BREAKAWAY OPERATION, DOOR TO HAVE FAIL SAFE AUTO LOCK TO BE ACTIVATED BY PUSH BUTTON ENABLED BY CARD READER FROM VESTIBULE SIDE AND BY WALL MOUNTED PUSH BUTTON ADJACENT TO DOOR FROM BUILDING INTERIOR SIDE.

132-1 AND 132-2 OPERATIONAL DESCRIPTION: 3'-6" SLIDER OPENING. BREAKAWAY OPERATION, DOOR TO HAVE OPTION TO BE ACTIVATED BY WALL MOUNTED PUSH BUTTON ADJACENT TO DOOR AT EACH SIDE IN LIEU OF STANDARD SENSOR OPERATION.

ADD SILENCERS TO ALL DOORS.



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ISSUE:

DATE: DESCRIPTION:

Bid Set
01/15/2021

PROJECT:

Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: APH/DGB

DRAWN: APH/KEC

REVIEWED: MCR/DGB

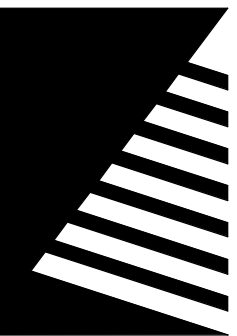
SHEET TITLE:

DOOR SCHEDULE,
ELEVATIONS AND
DETAILS

SHEET NUMBER:

A7.21

PROJECT NO.: 0200707.00



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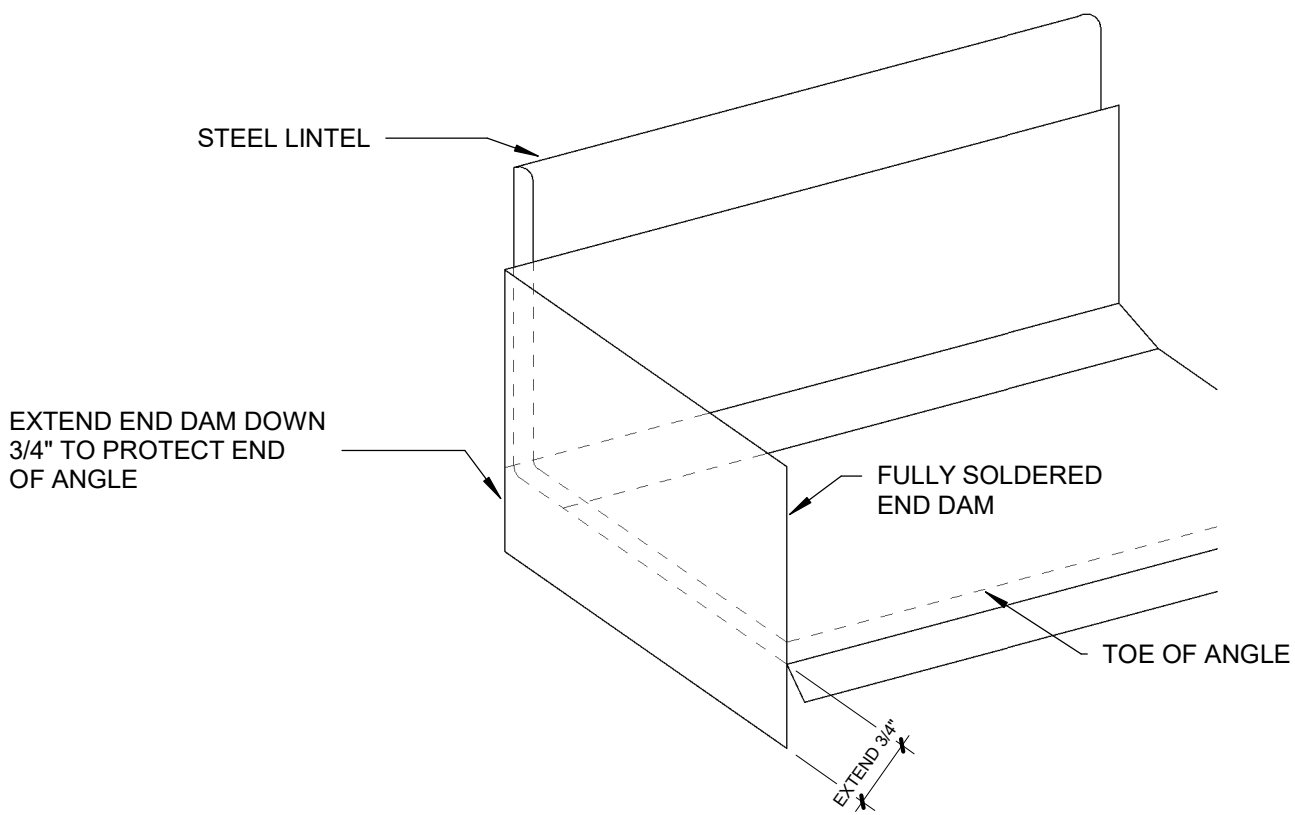
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

DOOR DETAILS BRICK/MTL STUD & OPENING DETAILS MASONRY VENEER

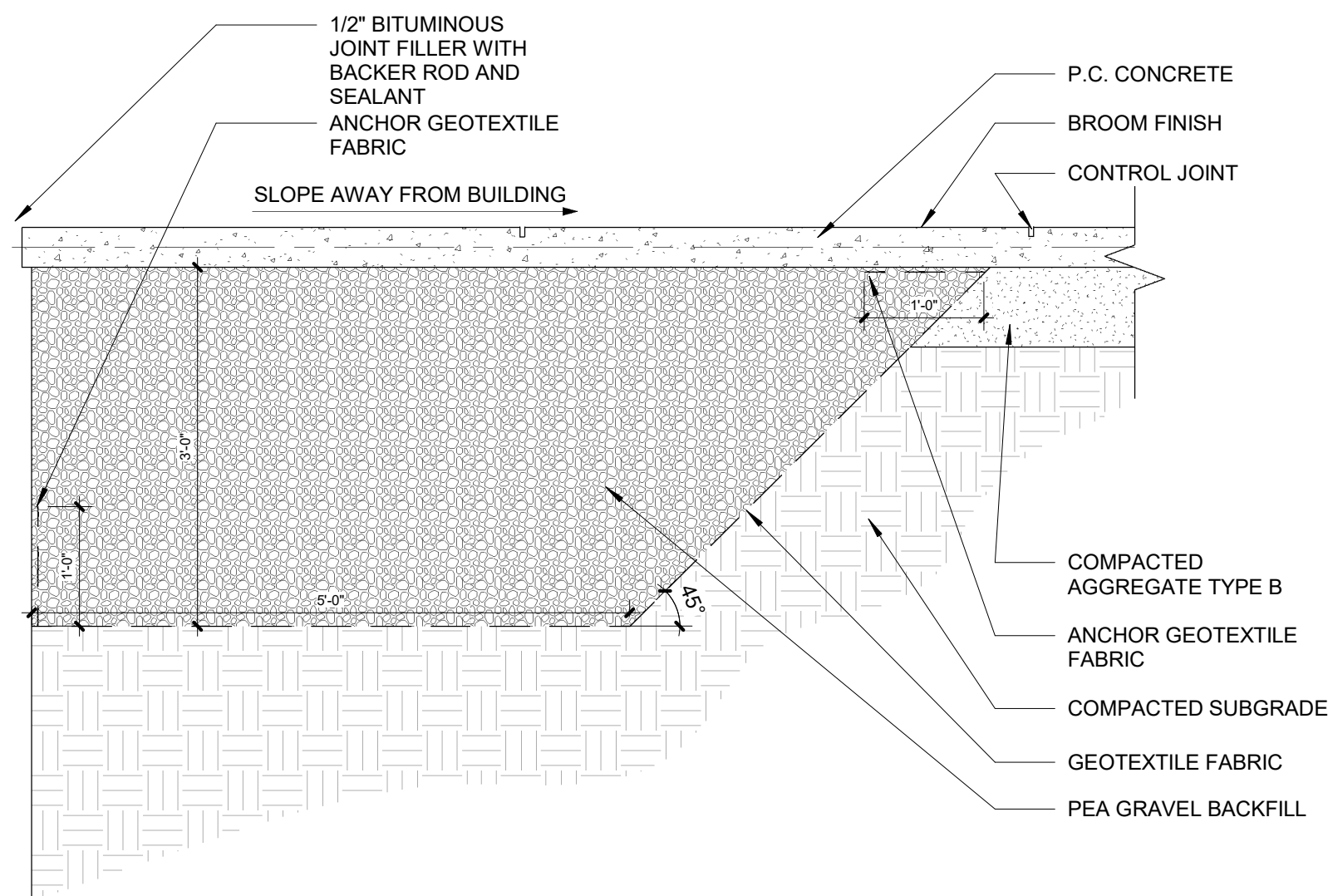
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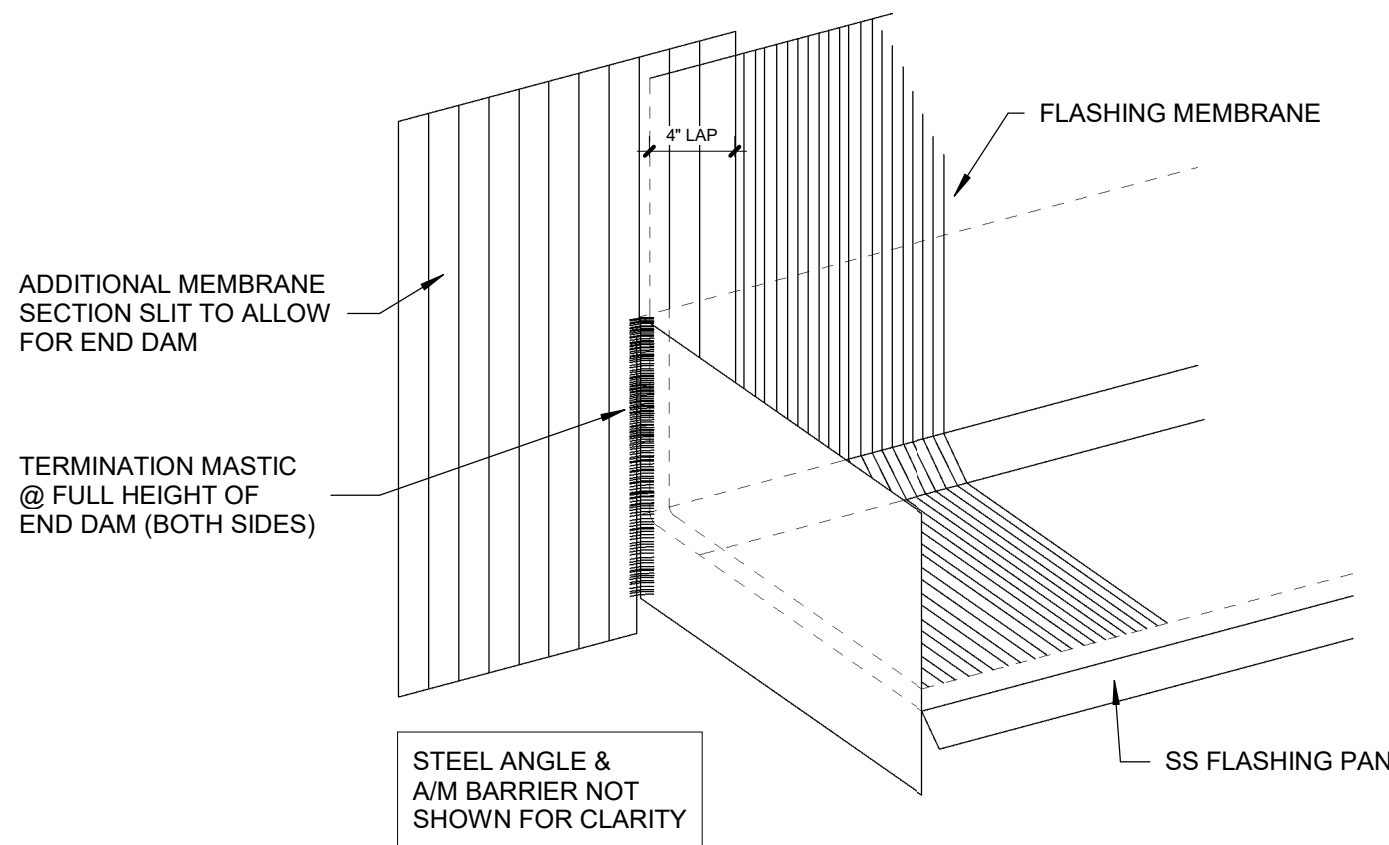
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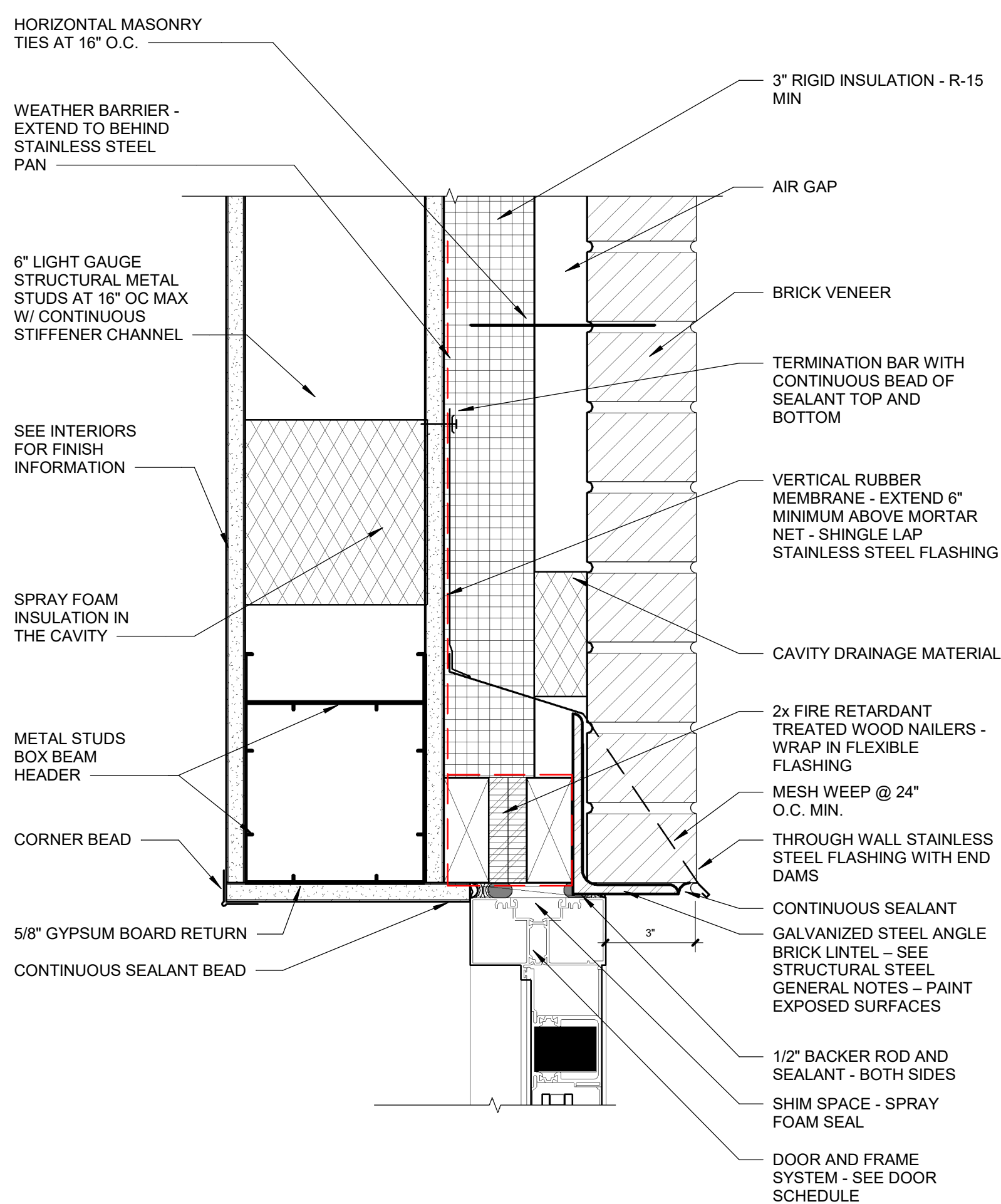
5 END DAM
SCALE: 3/4" = 1'-0"



7 THRESHOLD DETAIL
SCALE: 3/4" = 1'-0"



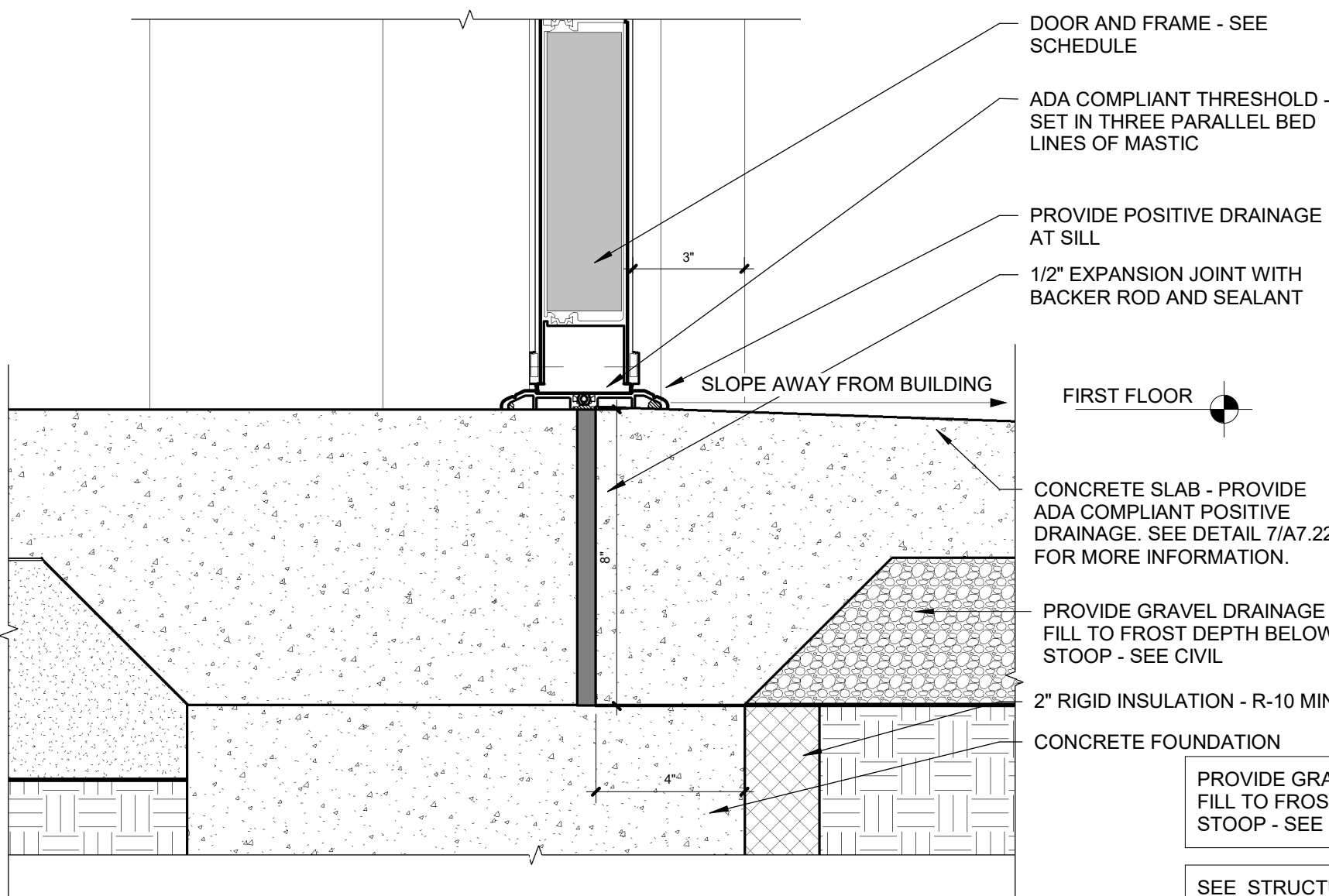
4 END DAM WITH MEMBRANE
SCALE: 3/4" = 1'-0"



2 DD - BRICK/ MTL STUD - AL - HEAD
SCALE: 3" = 1'-0"



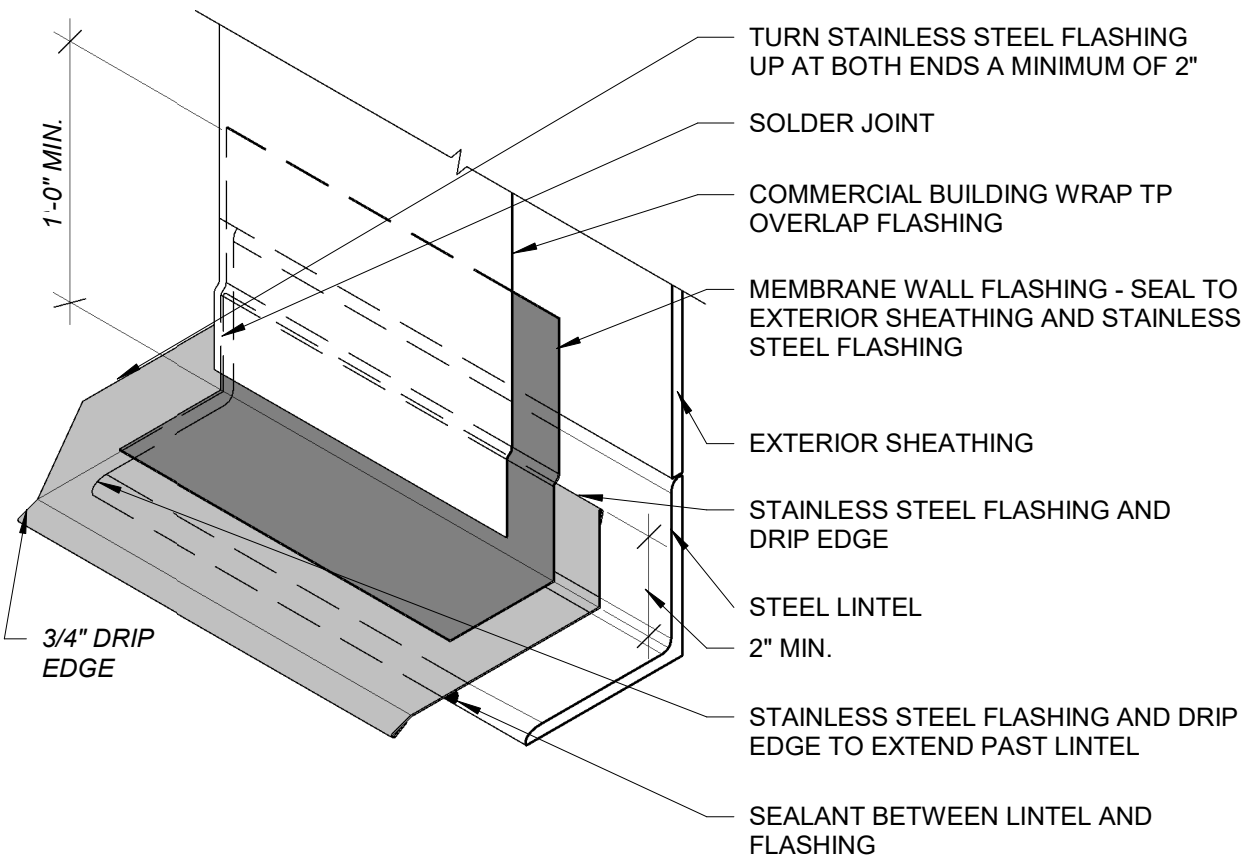
SEE WALL SECTIONS FOR
FURTHER INFORMATION



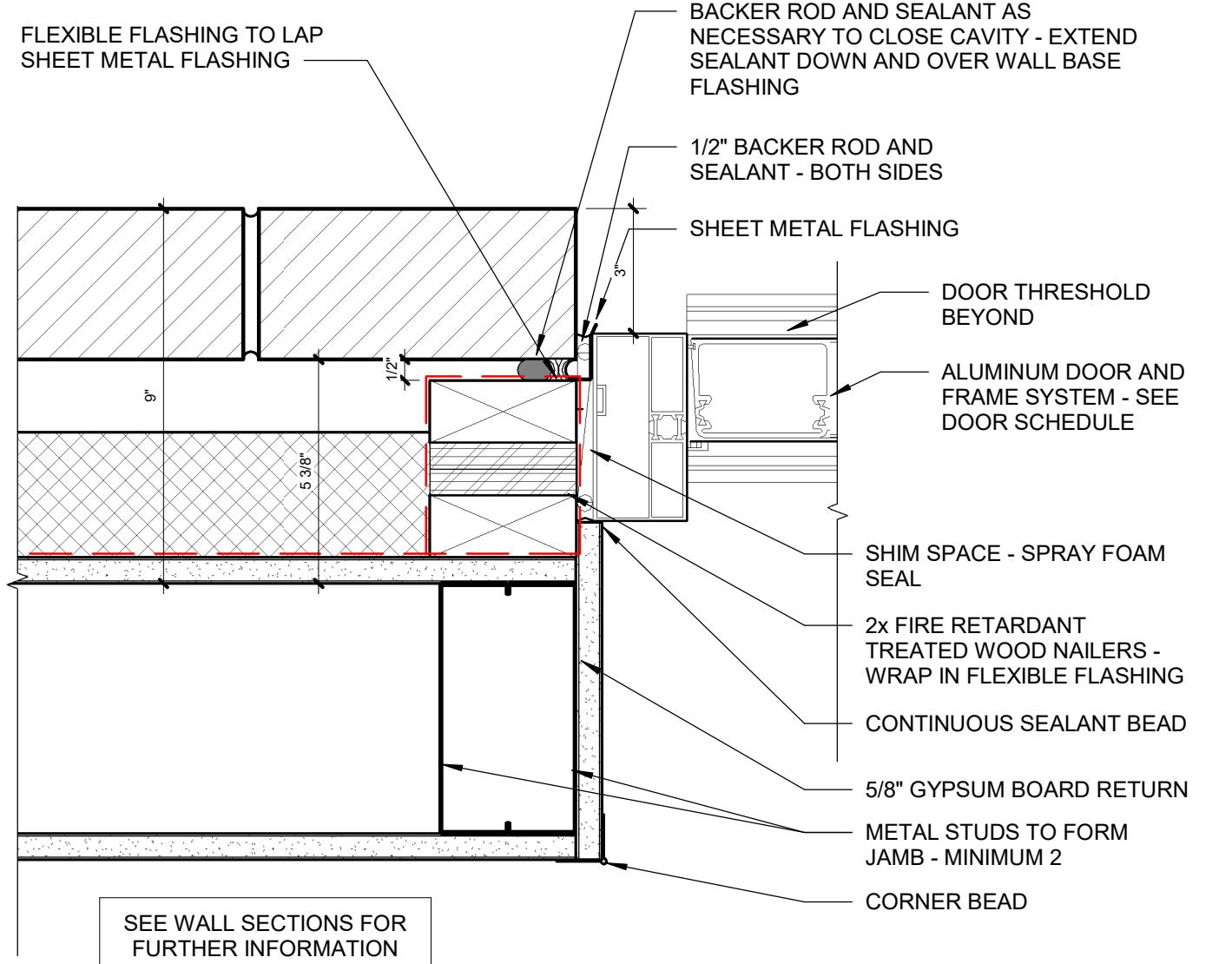
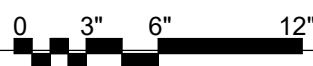
6 DD - THRESHOLD - AL
SCALE: 3" = 1'-0"



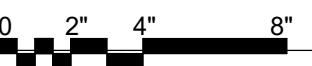
- NOTE:
- FLASHING MAY BE ONE OR TWO PIECES (TWO PIECE FLASHING TO OVERLAP 4" WITH TWO ROWS OF CONTINUOUS SEALANT) TURN UP ENDS IN BRICK HEAD JOINTS
 -



3 TYPICAL FLASHING AT LINTELS (STUD
BACKUP)
SCALE: 1 1/2" = 1'-0"

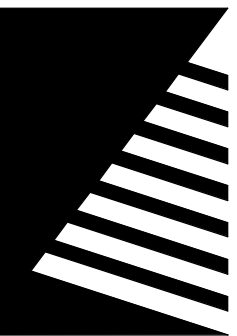


1 DD - BRICK/ MTL STUD - AL - JAMB
SCALE: 3" = 1'-0"



SEE WALL SECTIONS FOR
FURTHER INFORMATION

1/18/2021 1:42:17 PM



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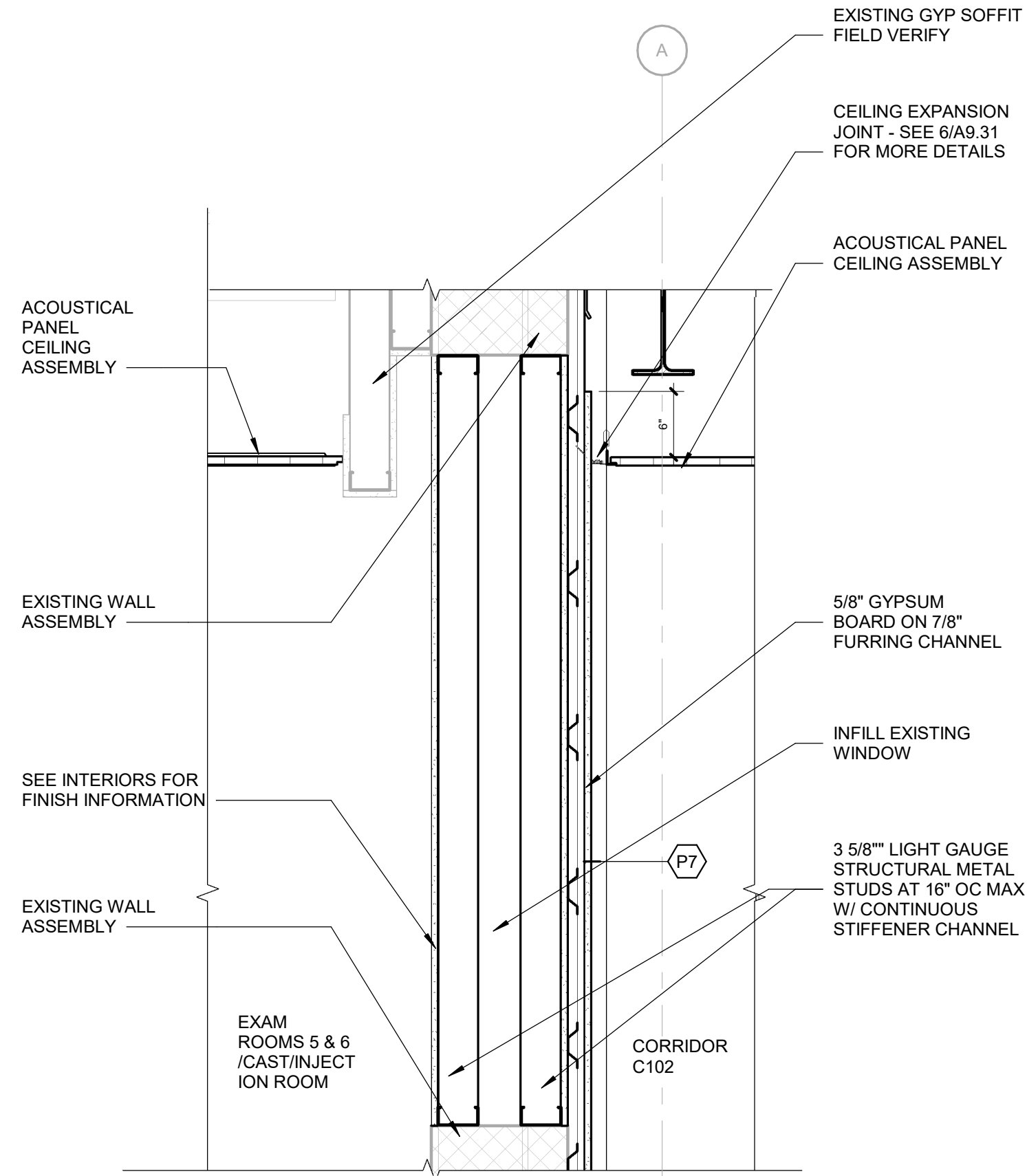
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE: WINDOW DETAILS

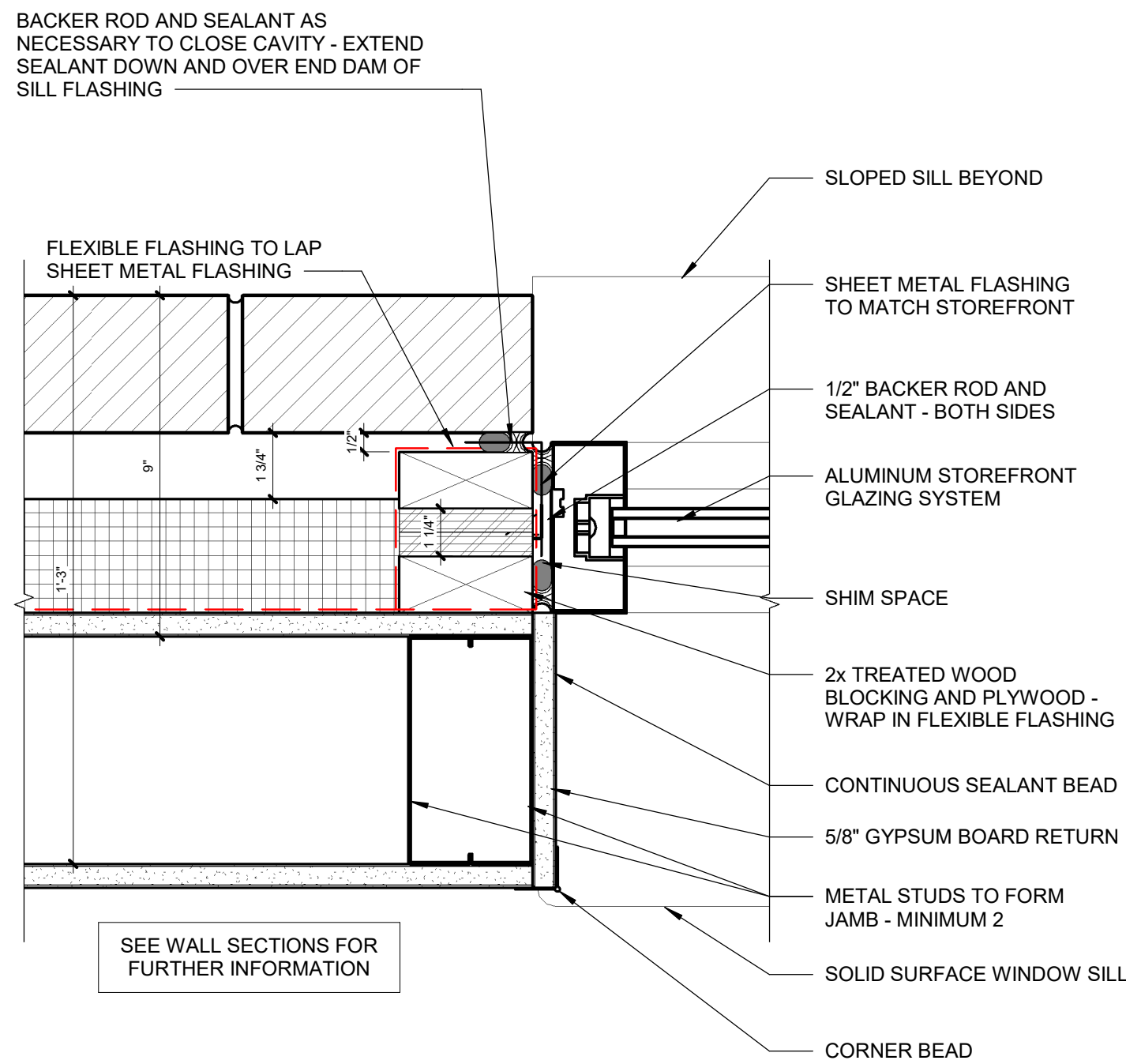
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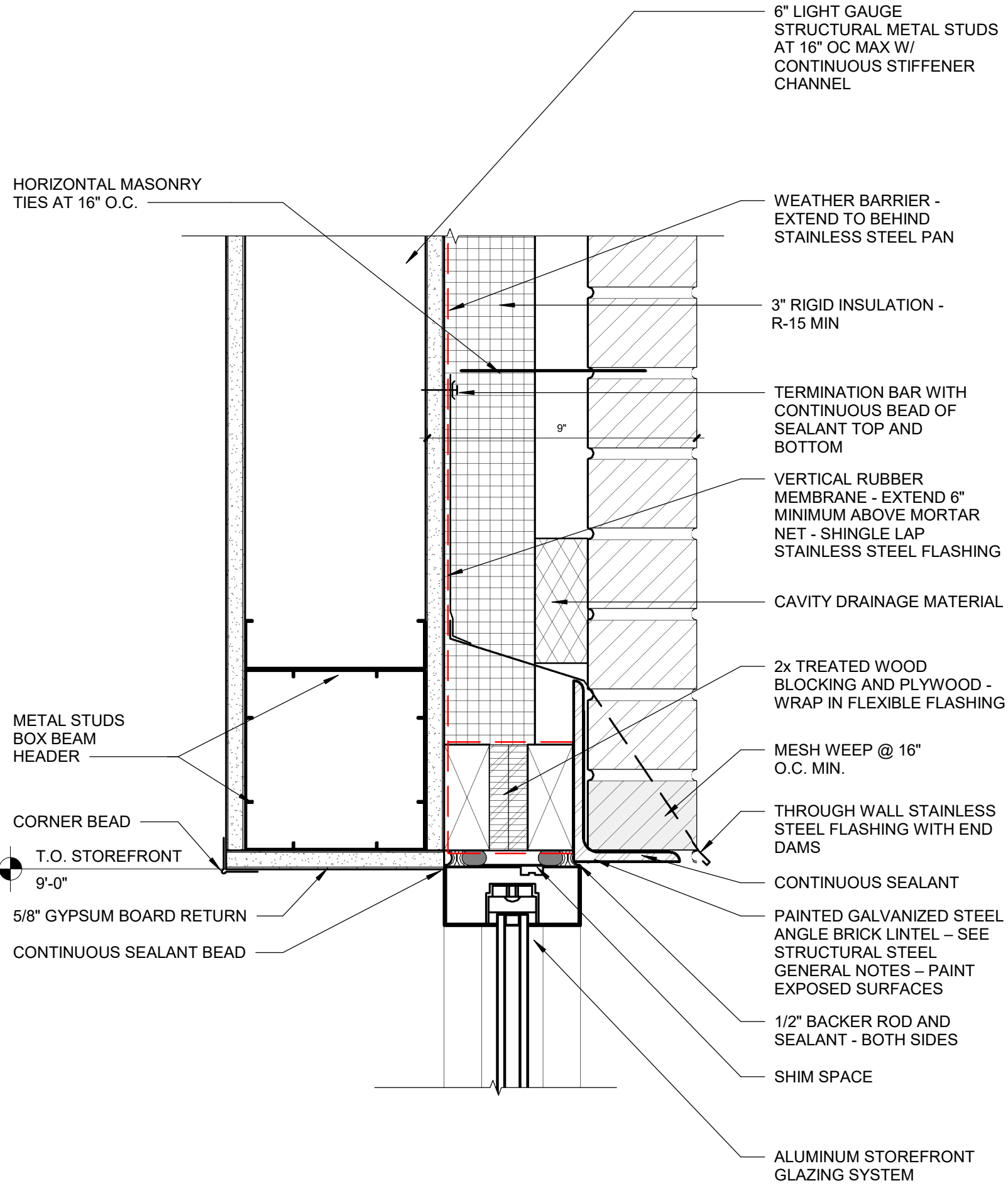
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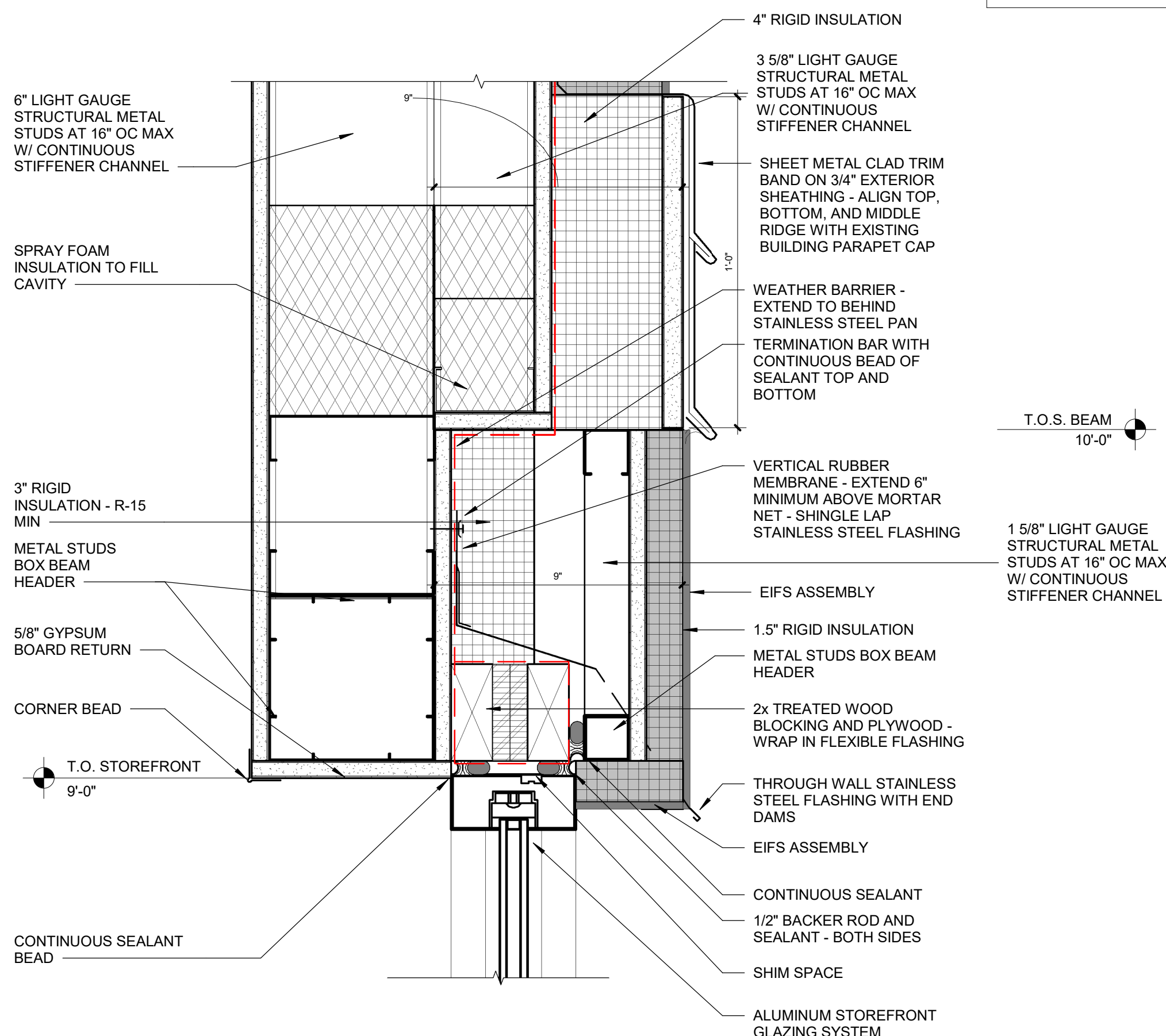
6 WINDOW INFILL SECTION - SOUTH SIDE
SCALE: 1" = 1'-0"



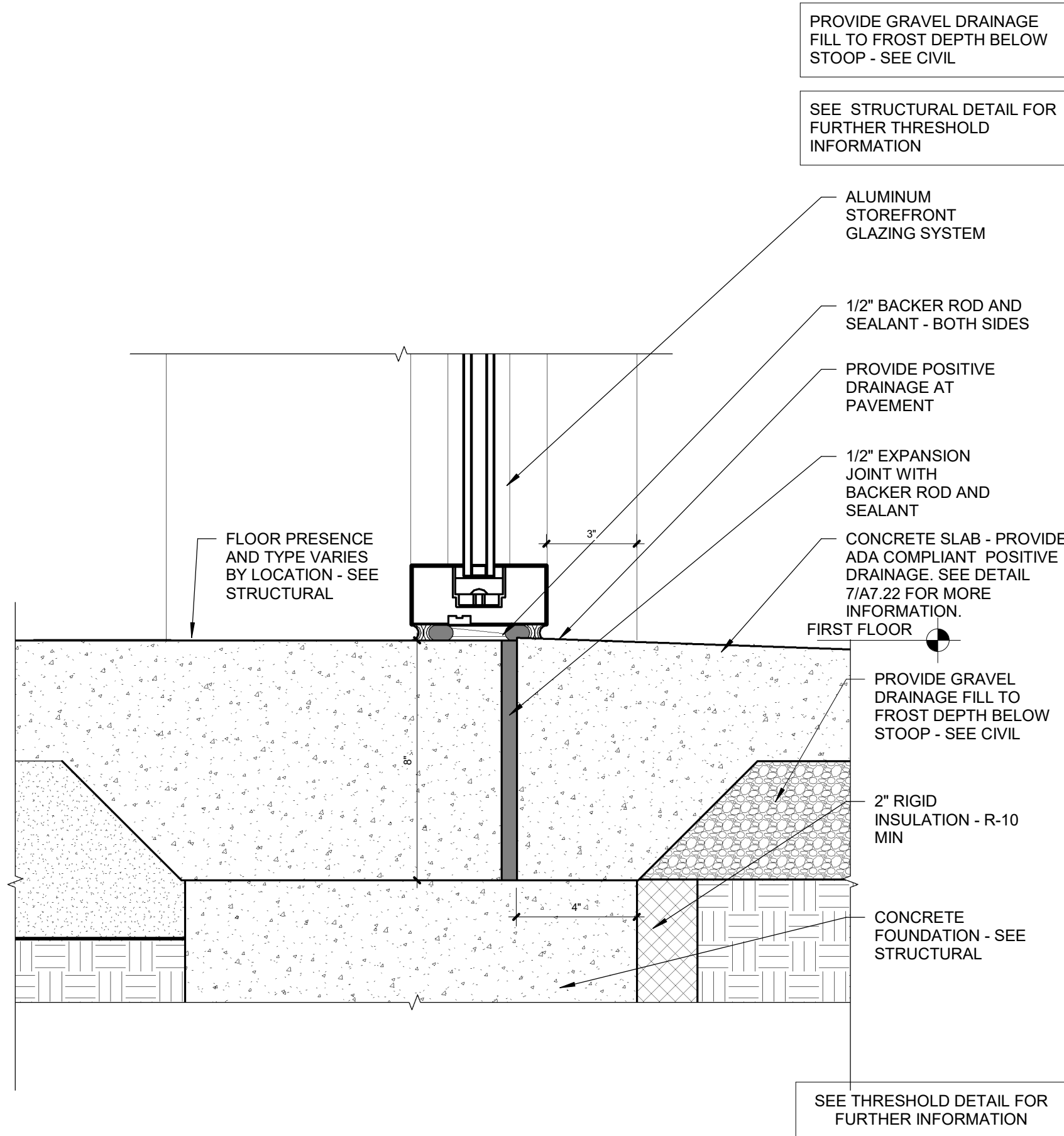
4 BRICK/ MTL STUD - SF - JAMB
SCALE: 3" = 1'-0"



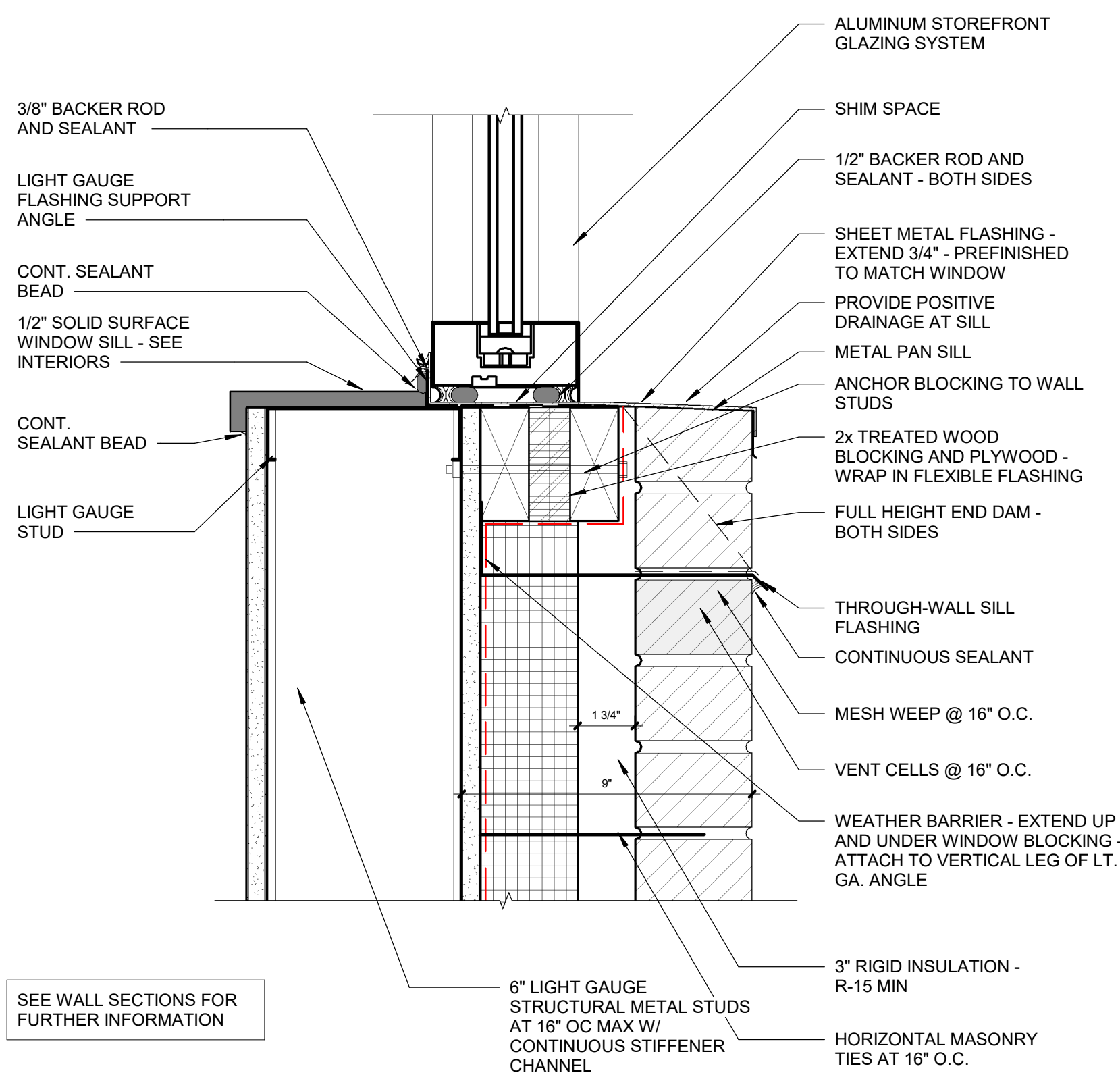
2 BRICK/ MTL STUD - SF - HEAD
SCALE: 3" = 1'-0"



5 EIFS/ MTL STUD - SF - HEAD
SCALE: 3" = 1'-0"



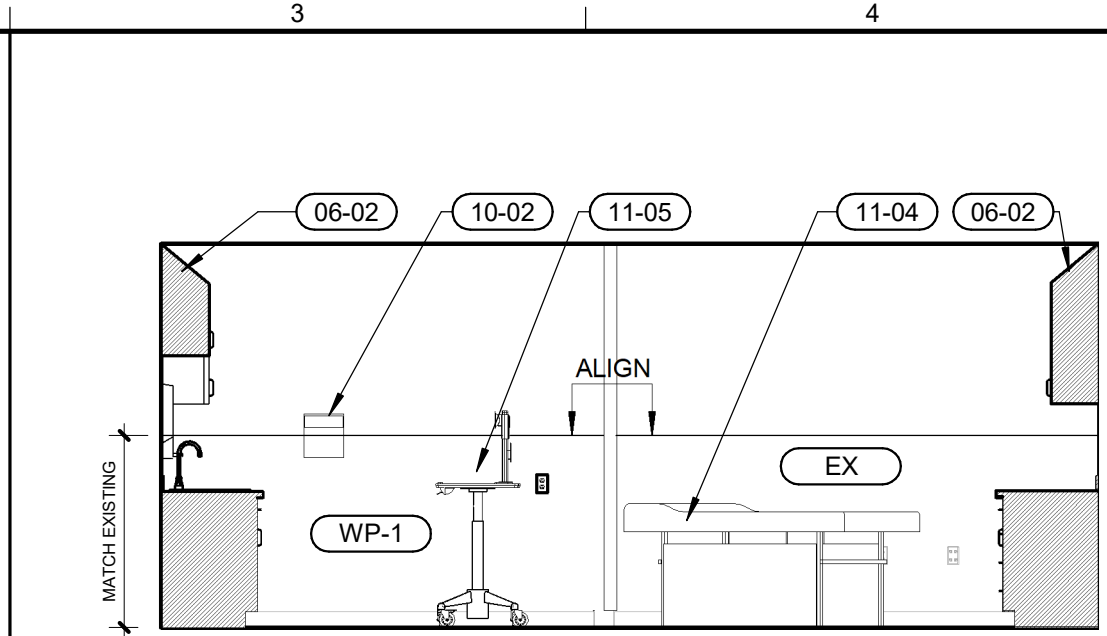
3 SF SILL AT PAVEMENT
SCALE: 3" = 1'-0"



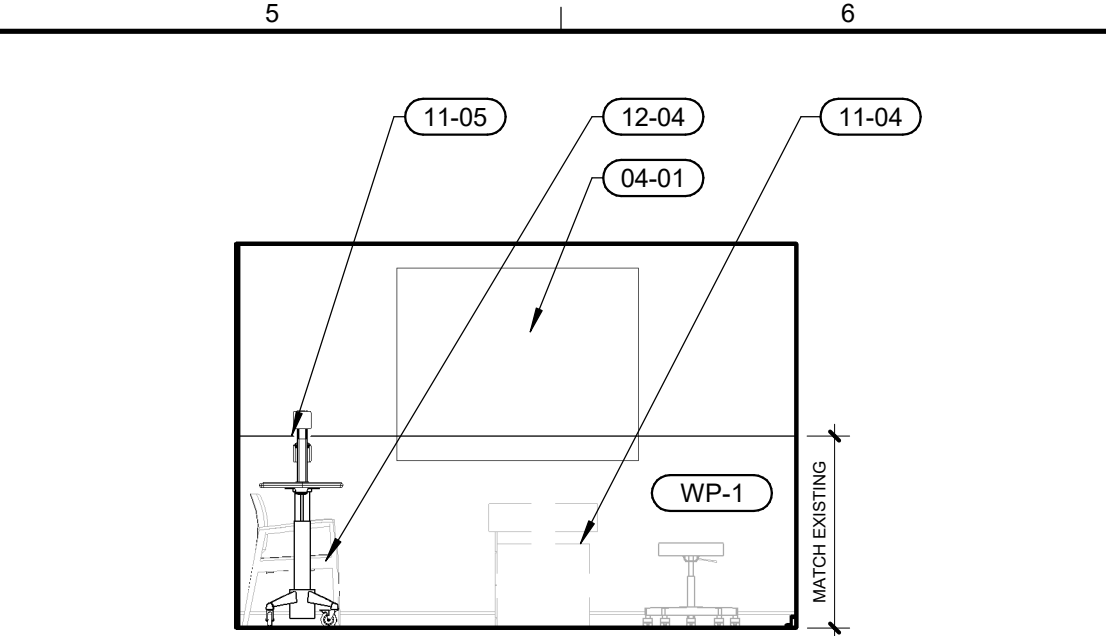
1 BRICK/ MTL STUD - SF - SILL
SCALE: 3" = 1'-0"

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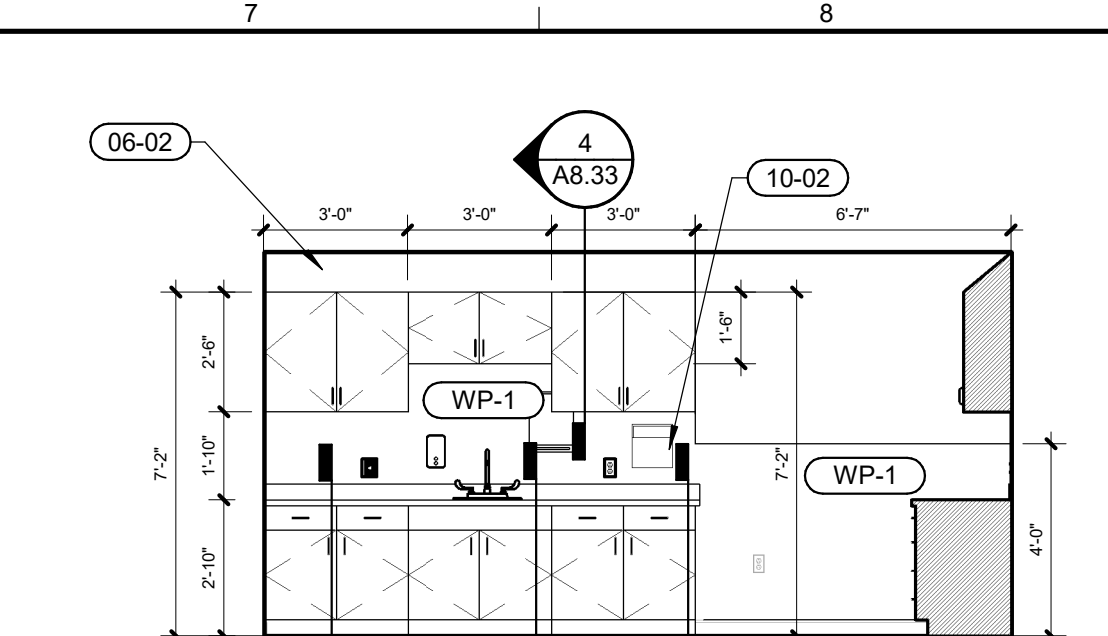
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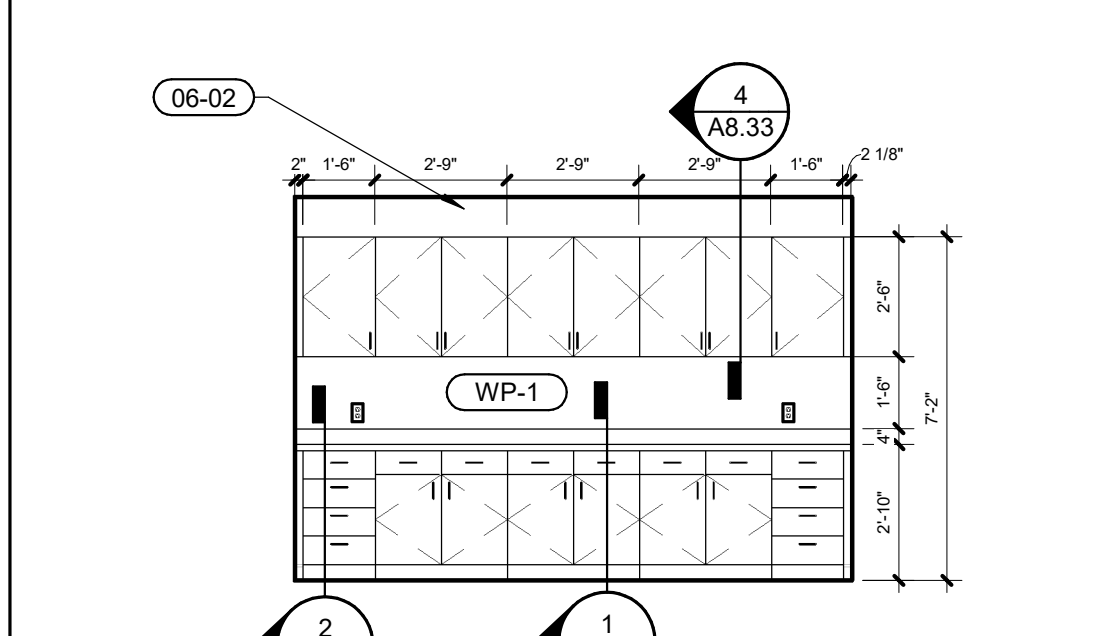
12 ELEVATION- CAST
SCALE: 1/4" = 1'-0"



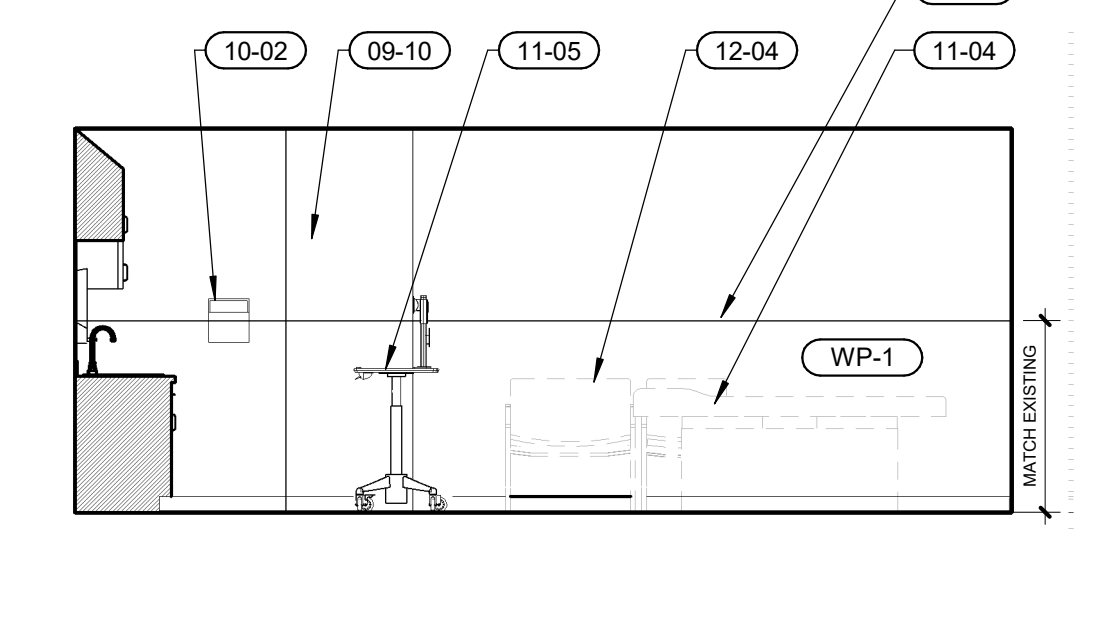
8 ELEVATION EXAM - TYPICAL
SCALE: 1/4" = 1'-0"



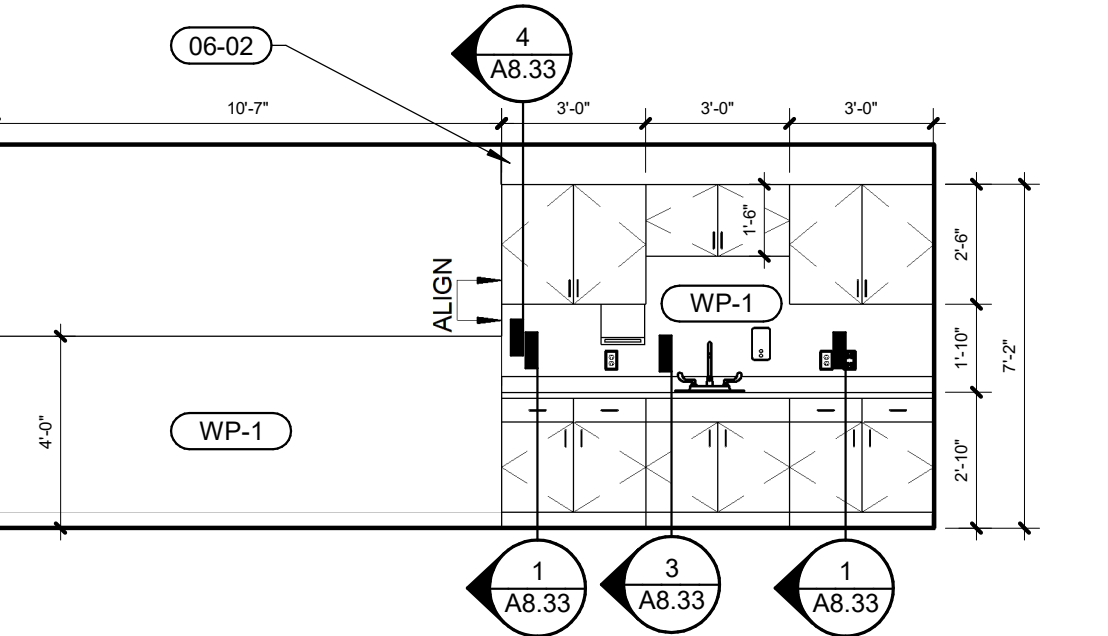
4 ELEVATION-INJECTION
SCALE: 1/4" = 1'-0"



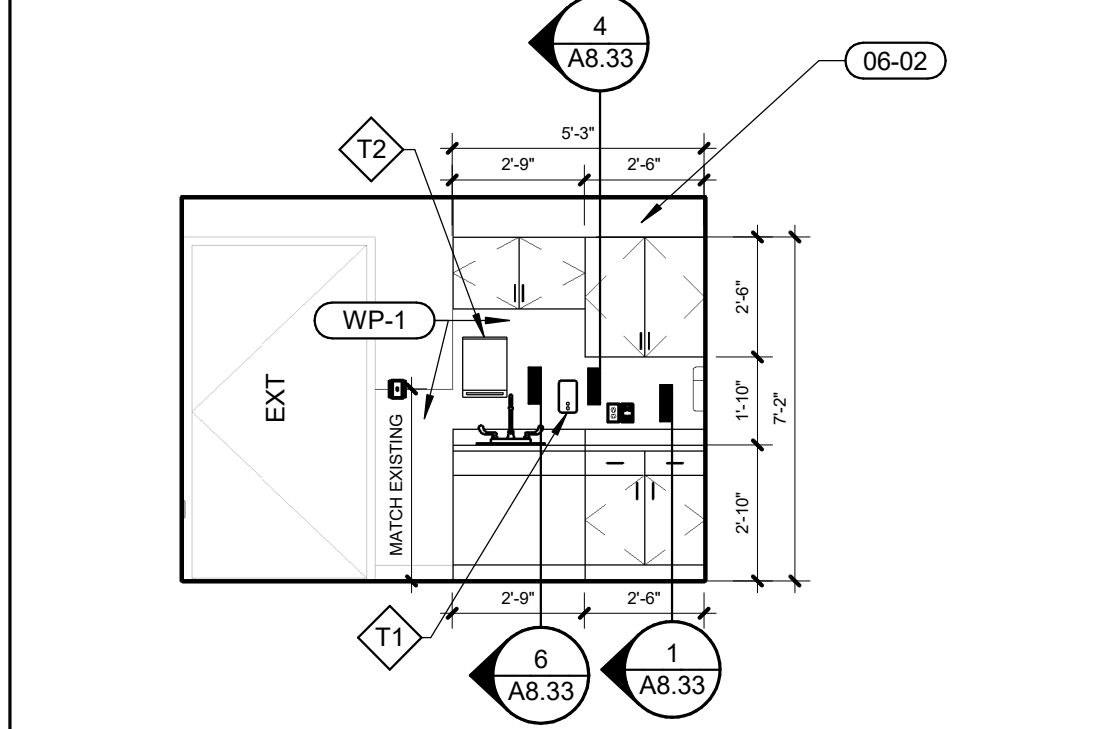
11 ELEVATION- CAST
SCALE: 1/4" = 1'-0"



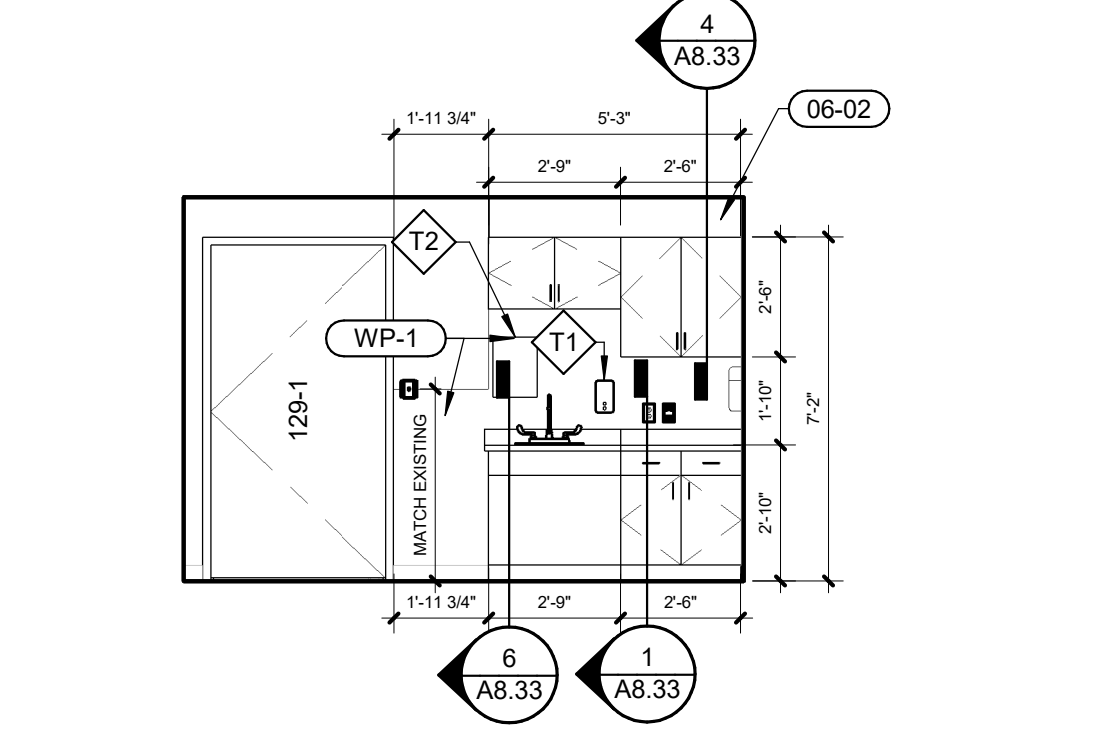
7 ELEVATION EXAM - TYPICAL
SCALE: 1/4" = 1'-0"



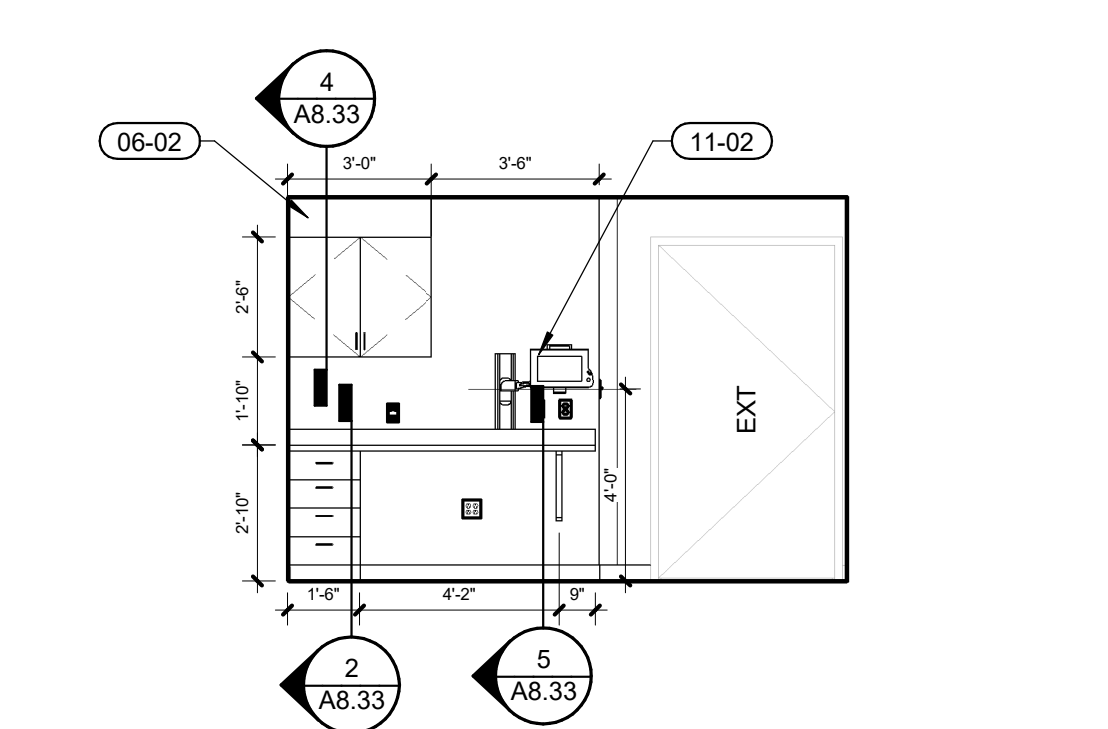
3 ELEVATION-INJECTION
SCALE: 1/4" = 1'-0"



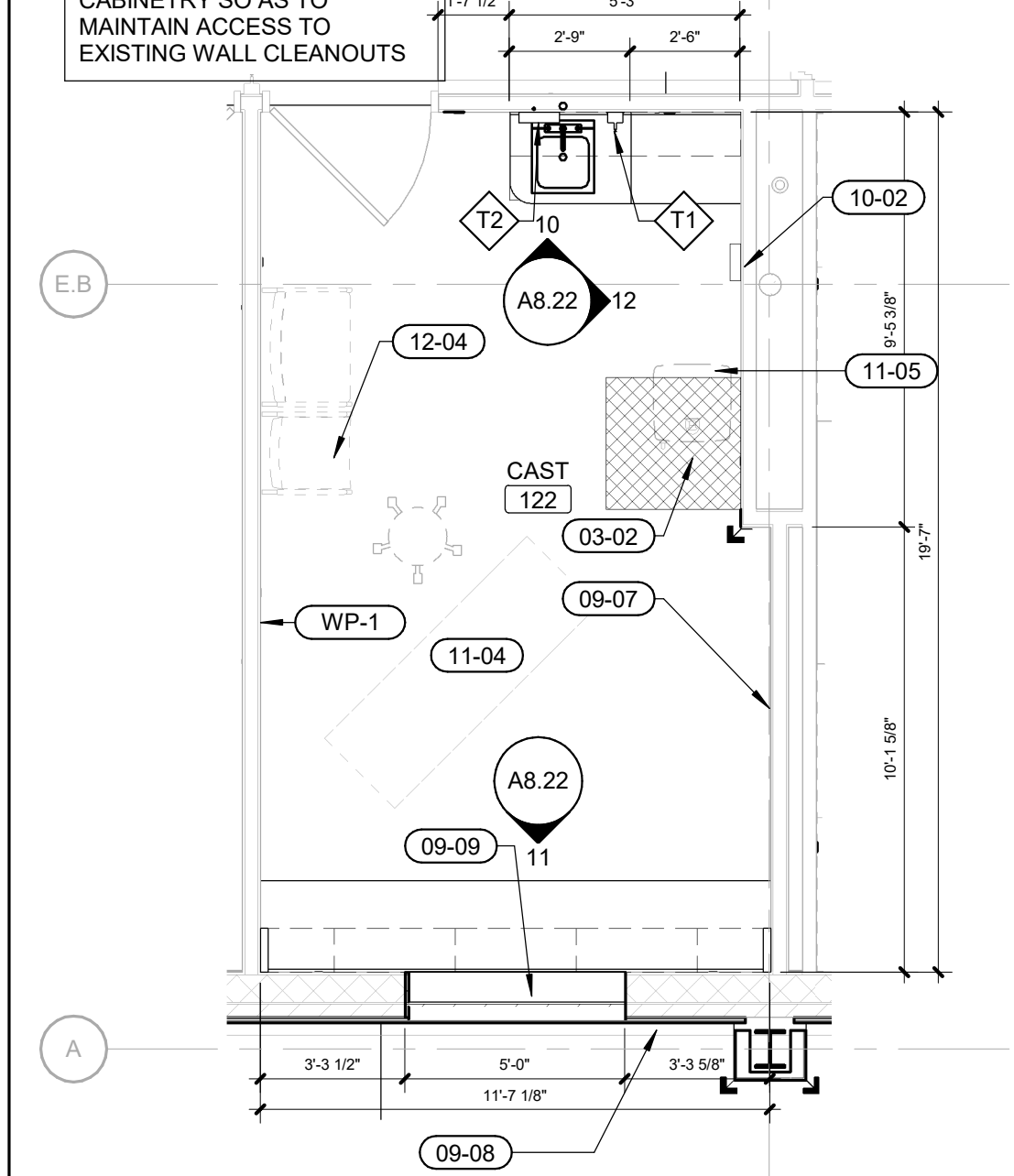
10 ELEVATION- CAST
SCALE: 1/4" = 1'-0"



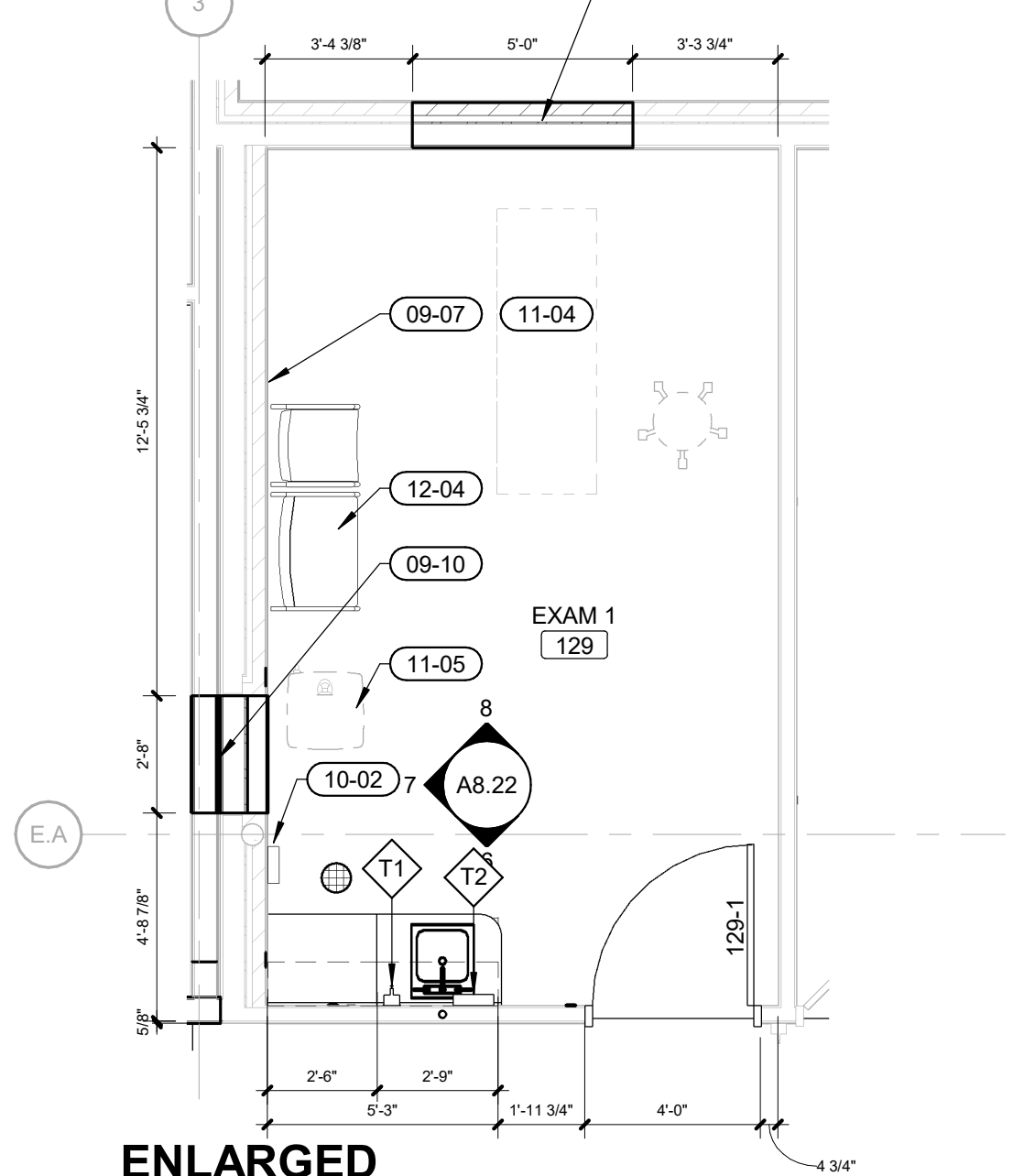
6 ELEVATION- EXAM- TYPICAL
SCALE: 1/4" = 1'-0"



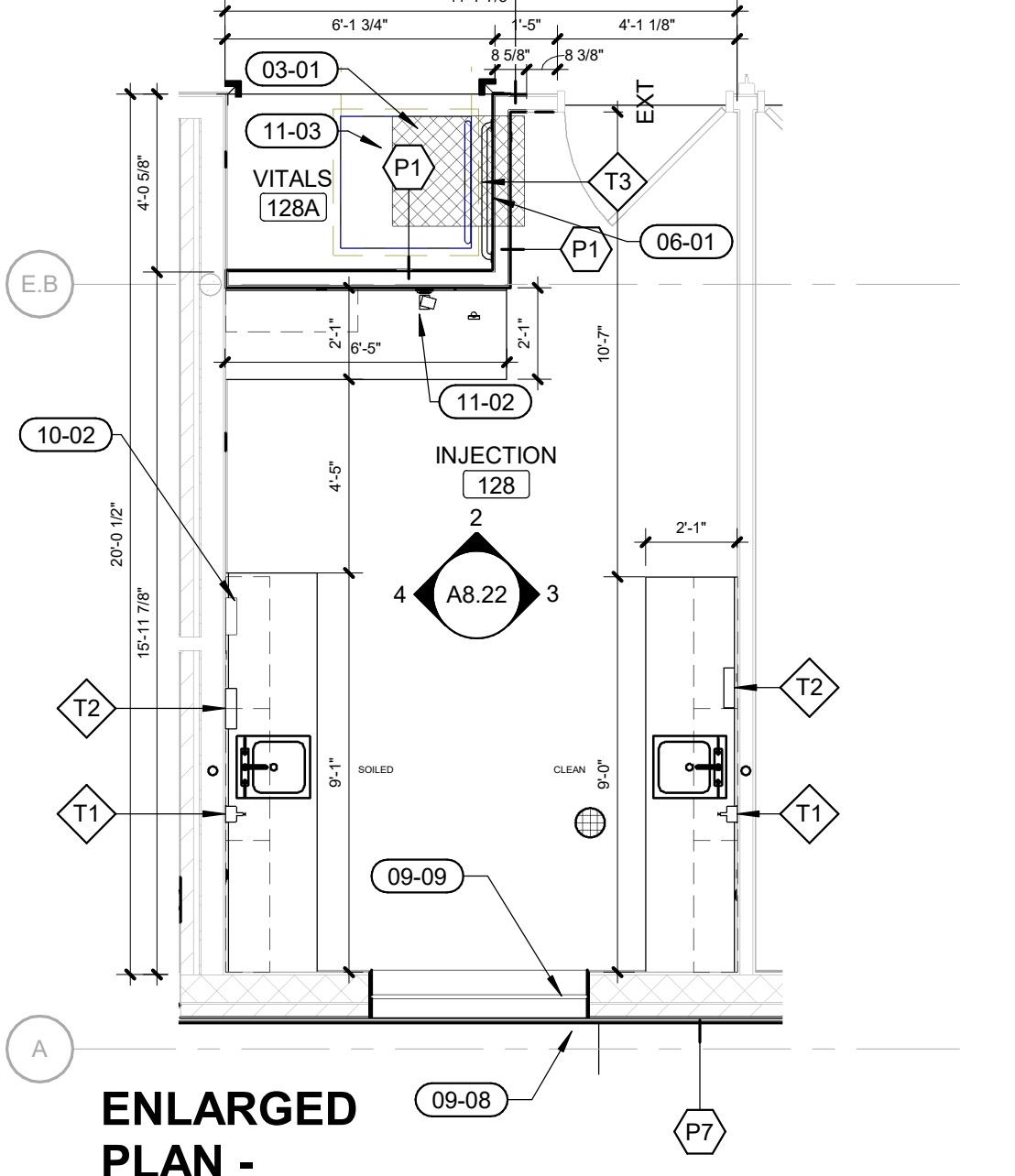
2 ELEVATION - INJECTION
SCALE: 1/4" = 1'-0"



9 ENLARGED PLAN - CAST
SCALE: 1/4" = 1'-0"



5 ENLARGED PLAN - EXAM - TYPICAL
SCALE: 1/4" = 1'-0"



1 ENLARGED PLAN - INJECTION AND VITALS
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES		
A. SEE G0.1 FOR STANDARD MOUNTING HEIGHTS.		
B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.		
C. PROVIDE WALL BLOCKING TO INCLUDE BUT NOT LIMITED TO MOUNTING ANY HEAVY EQUIPMENTS, TOILET, AND OTHER ACCESSORIES.		
KEYNOTES (BY DIVISION)		
DIVISION 03		
03-01	CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATION. COORDINATE THE INFILL WITH THE NEW RECESSED CONCRETE SLAB FOR IN-FLOOR MEDICAL SCALE - SEE STRUCTURAL FOR MORE INFORMATION.	
03-02	CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATIONS. TYPICAL AT ALL LOCATIONS	
DIVISION 04		
04-01	BASE BID - INFILL PREVIOUS WINDOW LOCATION. MATCH EXISTING WALL WIDTH, TYPE, BRICK INFILL TO BE TOOTHED IN TO MATCH THE SURROUNDING BRICK. PROVIDE A SMOOTH UNINTERRUPTED FINISH. * ALTERNATE - 1 RETAIN ALL WINDOWS INCLUDING SILL.	
DIVISION 05		
05-01	PROVIDE STRUCTURAL LINTEL. TOP OF BEAM SHALL BE ONE COURSE BELOW BOTTOM OF PRE CAST PLANK ROOF - SEE STRUCTURAL FOR MORE INFORMATION	
05-02	PROVIDE STRUCTURAL LINTEL. FIELD VERIFY EXISTING EXTERIOR WALL PRIOR TO STEEL FABRICATION AND DEMOLITION OF CMU WALL - SEE STRUCTURAL FOR MORE INFORMATION	
05-03	STRUCTURAL CROSS BRACING - SEE STRUCTURAL	
DIVISION 06		
06-01	PROVIDE BLOCKING FOR GRAB BARS - COORDINATE WITH OWNER FOR LOCATION (CFCI)	
06-02	SLOPED PLAM CLOSURE PANEL (CFCI) - SEE DETAIL FOR NOTES	
06-03	GROMMET FOR EACH WORKSTATION	
DIVISION 07		
07-01	6" DOWNSPOUT WITH CEMENT SPLASH BLOCK - DRAIN TO GRADE	
07-02	PARAPET SCUPPER AND CONDUCTOR HEAD - 16"x12"	
07-03	FULLY ADHERED MEMBRANE ROOF SYSTEM OVER R-30 LTTR RIGID ROOF INSULATION, SLOPED TO DRAIN 1/4":1'-0" MIN	
07-04	4" DOWNSPOUT WITH CEMENT SPLASH BLOCK - DRAIN TO GRADE	
07-05	2" ROOF EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION CONNECTS TO EXISTING BUILDING. TYPICAL	
07-06	GUTTER	
07-07	2" WALL EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION CONNECTS TO EXISTING BUILDING. TYPICAL	
07-08	ADD TAPERED RIGID INSULATION AND ROOF MEMBRANE TO THE EXISTING SOLARIUM ROOF TO DRAIN INTO NEW ROOF - FIELD VERIFY.	
07-09	SEPARATE ROOF INFILL WITH LIGHT GAUGE STUD JOISTS - SEE STRUCTURAL	
07-10	INTUMESCENT FIRE PROOFING AROUND THE COLUMN	
07-11	2" CEILING EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION CONNECTS TO EXISTING BUILDING. TYPICAL	
07-12	2" FIRE RATED WALL EXPANSION JOINT AND JOINT COVER ON EACH SIDE OF PARTITION.	
07-13	ROOF CURB AT MECHANICAL PENETRATION	
07-14	DUCT SUPPORT ROOF CURBS, PATCH EXISTING ROOFING - MAX 8'-0" ON CENTER	
07-15	ADD TAPERED RIGID INSULATION AND ROOF MEMBRANE TO THE ADJACENT EXISTING COPING HEIGHT TO DRAIN INTO EXISTING ROOF - FIELD VERIFY.	
DIVISION 08		
08-01	APPLY GLAZING SURFACE FILM ON THE TOP SPANDREL OF THE EXISTING STOREFRONT AS SHOWN (CFCI) - SEE INTERIORS	
DIVISION 09		
09-01	EXISTING BULKHEAD TO REMAIN	
09-02	12" AXION TRIM TO SPAN VERTICALLY BETWEEN CEILING AND THE TOP OF GLAZING, FULL DISTANCE - SEE DETAIL ON SHEET A9.31	
09-03	EXISTING ACT TO REMAIN. REMOVE AND REINSTALL AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK.	
09-04	REMOVE AND REPLACE EXISTING CEILING AS NEEDED TO UPGRADE EXISTING WALLS TO 2-HOUR FIRE RATING.	
09-05	INFILL EXISTING OPENING WITH METAL STUD WALL OF SIMILAR WIDTH AND TYPE. FINISHES TO MATCH EXISTING. PROVIDE A SMOOTH UNINTERRUPTED FINISH.	
09-06	GYP BULKHEAD TO CONCEAL ROOF DRAIN	
09-07	EXISTING WALL PROTECTION TO REMAIN IN ALL EXAM ROOMS AND CAST ROOM.	
09-08	5/8" GYP BOARD ON 7/8" FURRING CHANNEL ALONG THE LENGTH OF THE WALL. EXTEND 6" ABOVE CEILING.	
09-09	INFILL PREVIOUS WINDOW LOCATION WITH GYP BOARD ON ONE SIDE OF METAL STUDS AT EACH SIDE OF EXISTING WALL. MATCH EXISTING WALL WIDTH. PROVIDE A SMOOTH UNINTERRUPTED FINISH	
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12-04	VISITOR CHAIR (OFOI)	
DIVISION 22		
22-01	RE-ROUTED STORM PIPE - SEE PLUMBING	
TOILET ACCESSORY SCHEDULE		
MARK	DESCRIPTION	REMARKS
T1	LIQUID SOAP DISPENSER	OFOI
T2	PAPER TOWEL DISPENSER	OFOI
T3	GRAB BAR 36"	OFOI - SHOWN FOR REFERENCE

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ISSUE: # DATE: DESCRIPTION:

Bid Set
01/15/2021

PROJECT: Crawford Memorial Hospital

CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street
Robinson, IL 62454

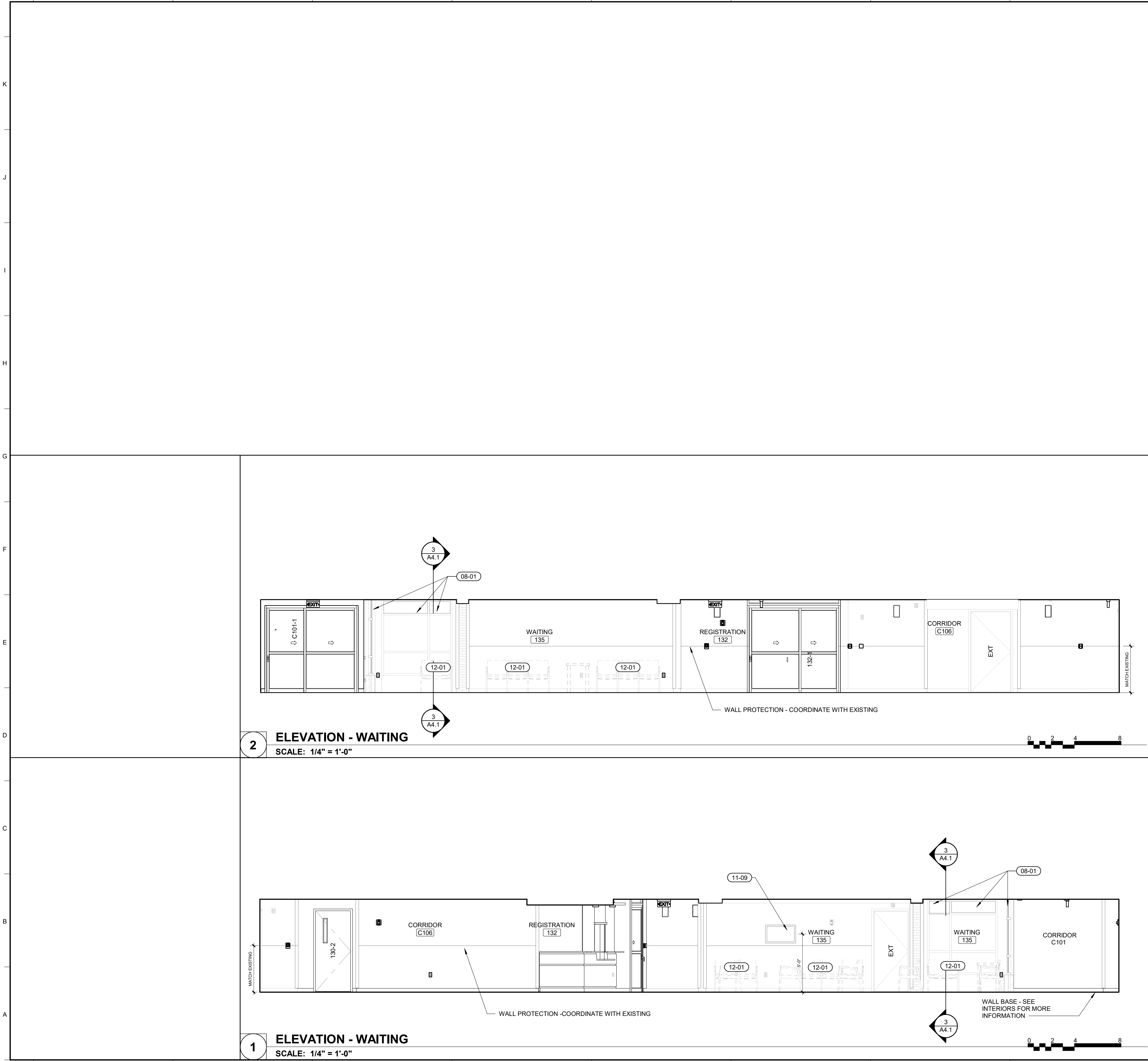
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE: **ENLARGED INJECTION, EXAM, AND CAST PLANS AND ELEVATIONS**

SHEET NUMBER: **A8.22**

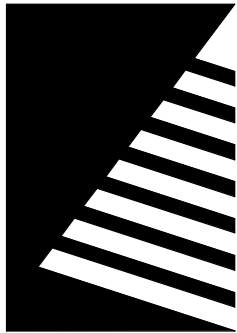
PROJECT NO.: 0200707.00

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INTERIOR ELEVATION GENERAL NOTES		
A. SEE G0.1 FOR STANDARD MOUNTING HEIGHTS.		
B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.		
C. PROVIDE WALL BLOCKING TO INCLUDE BUT NOT LIMITED TO MOUNTING ANY HEAVY EQUIPMENTS, TOILET, AND OTHER ACCESSORIES.		
KEYNOTES (BY DIVISION)		
DIVISION 03		
03-01	CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATION. COORDINATE THE INFILL WITH THE NEW RECESSED CONCRETE SLAB FOR IN-FLOOR MEDICAL SCALE - SEE STRUCTURAL FOR MORE INFORMATION.	
03-02	CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATIONS. TYPICAL AT ALL LOCATIONS	
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04-01	BASE BID - INFILL PREVIOUS WINDOW LOCATION. MATCH EXISTING WALL WIDTH, TYPE. BRICK INFILL TO BE TOOTHED IN TO MATCH THE SURROUNDING BRICK. PROVIDE A SMOOTH UNINTERRUPTED FINISH. * ALTERNATE - 1 RETAIN ALL WINDOWS INCLUDING SILL.	
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T2	PAPER TOWEL DISPENSER	OFOI
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CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: APH/DGB

DRAWN: APH/KEC

REVIEWED: MCR/DBG

SHEET TITLE:

INTERNAL ELEVATIONS - WAITING ROOM

SHEET NUMBER:

A8.23

PROJECT NO.: 0200707.00

1 2 3 4 5 6 7 8 9 10

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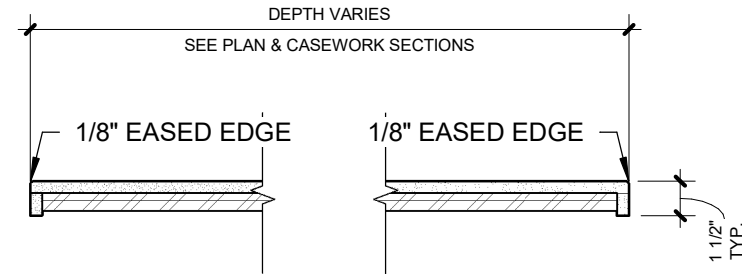
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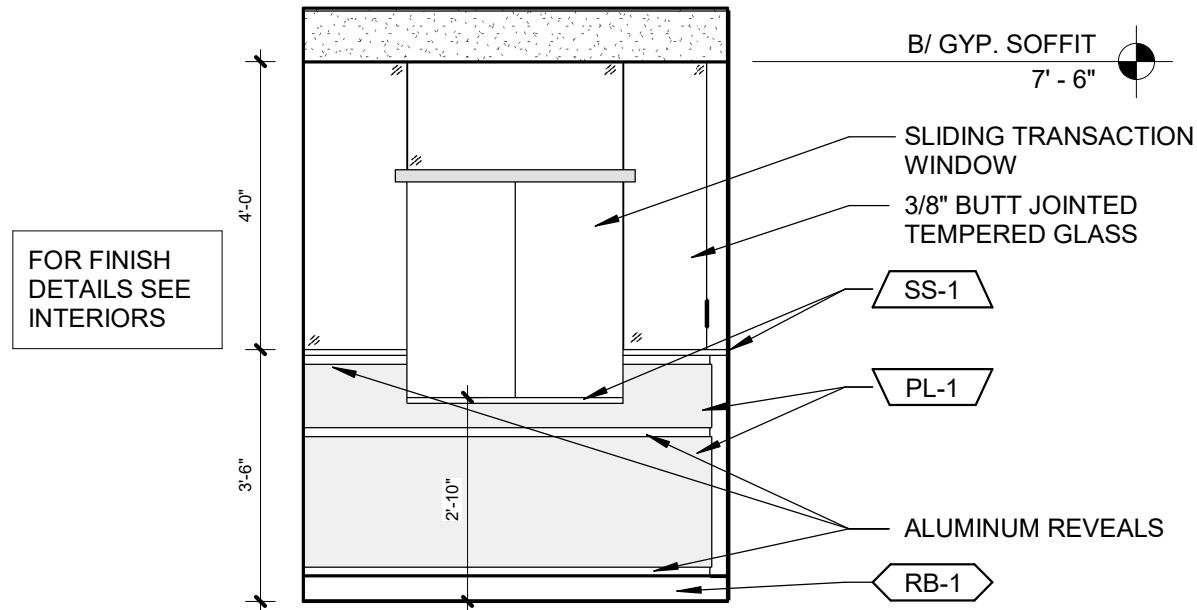
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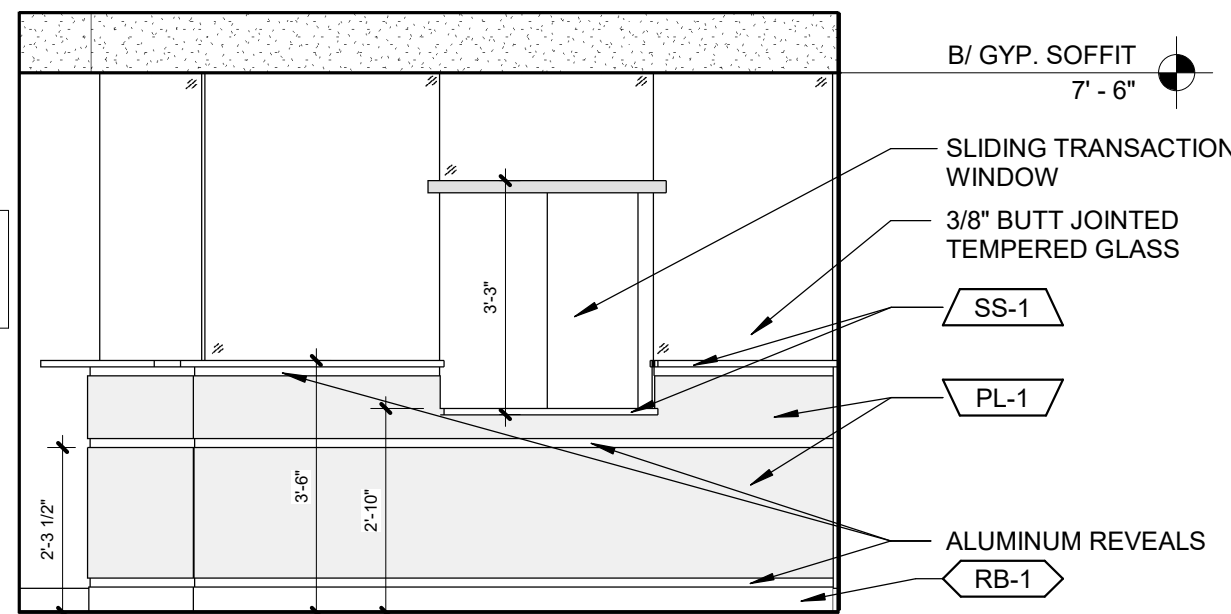
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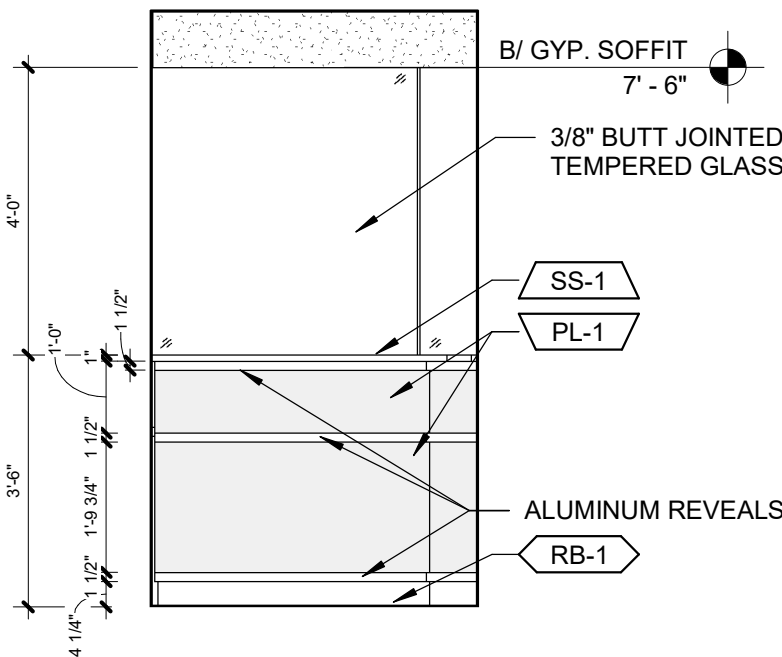
13 COUNTERTOP - SS_RE_TRANSACTION
SCALE: 1 1/2" = 1'-0"



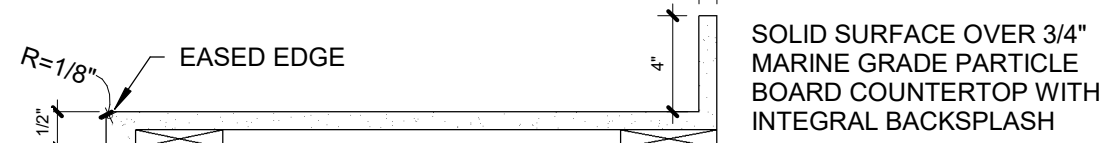
12 ELEVATION - REGISTRATION DESK
SCALE: 3/8" = 1'-0"



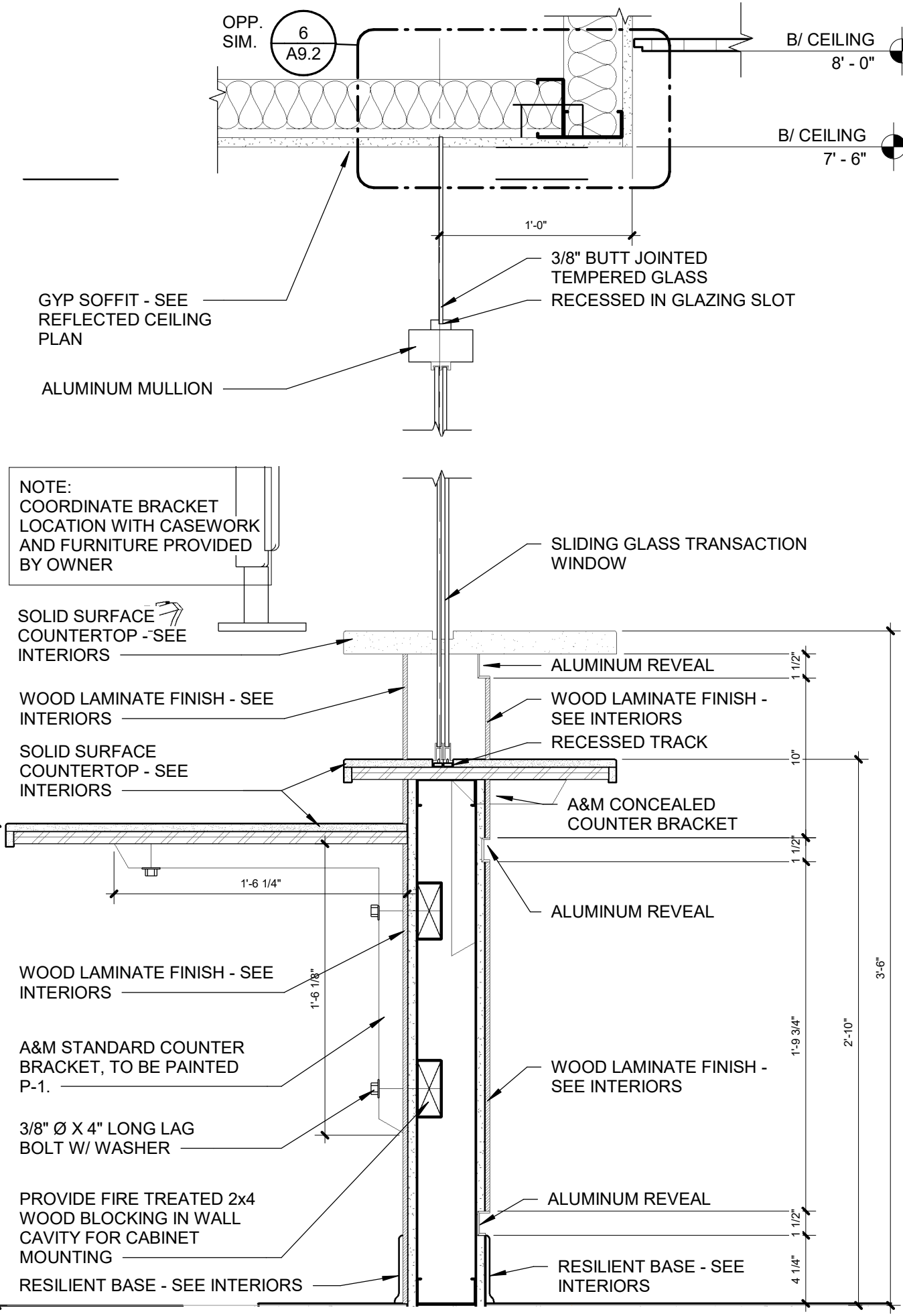
11 ELEVATION - REGISTRATION DESK
SCALE: 3/8" = 1'-0"



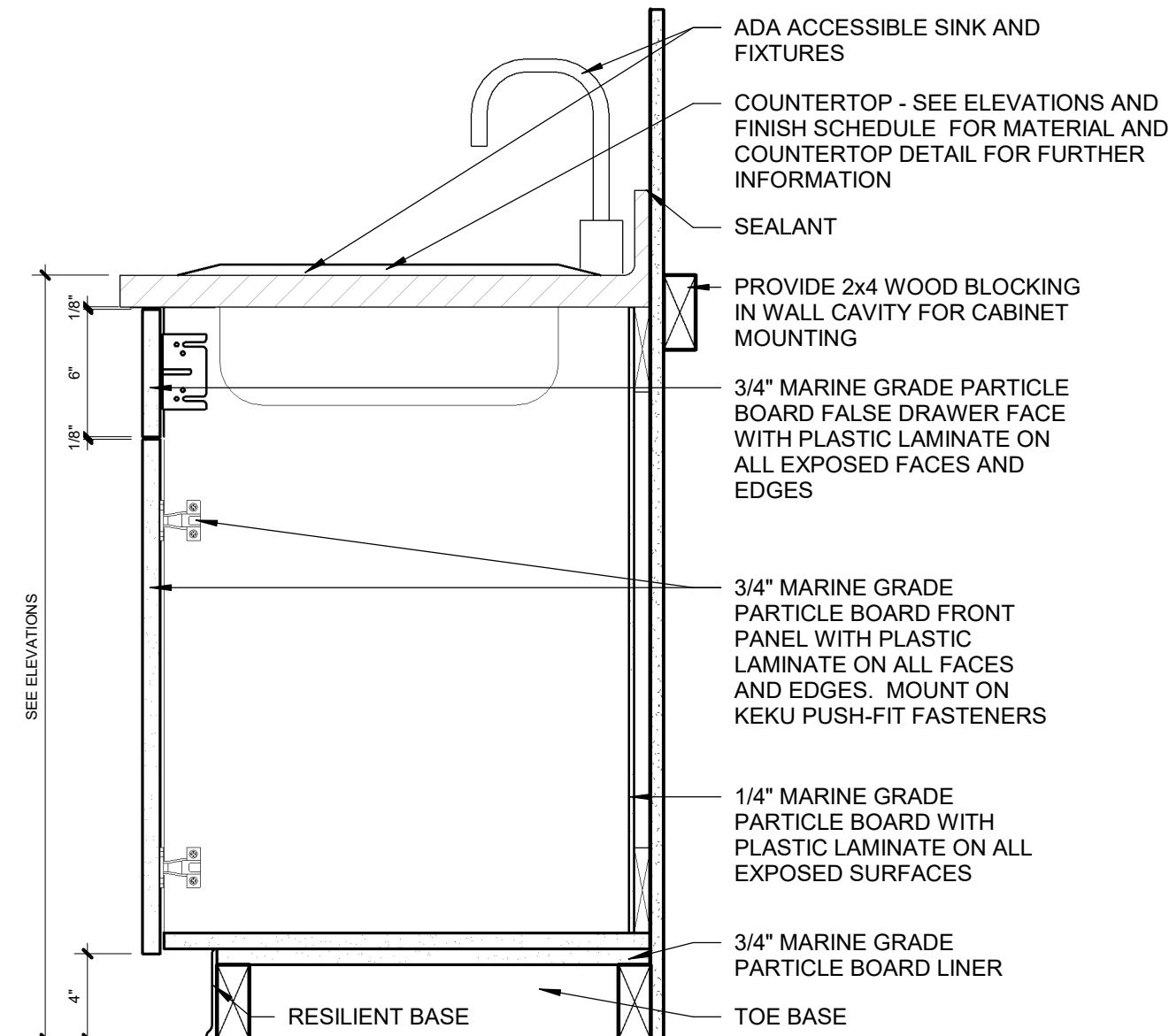
10 ELEVATION - REGISTRATION DESK
SCALE: 3/8" = 1'-0"



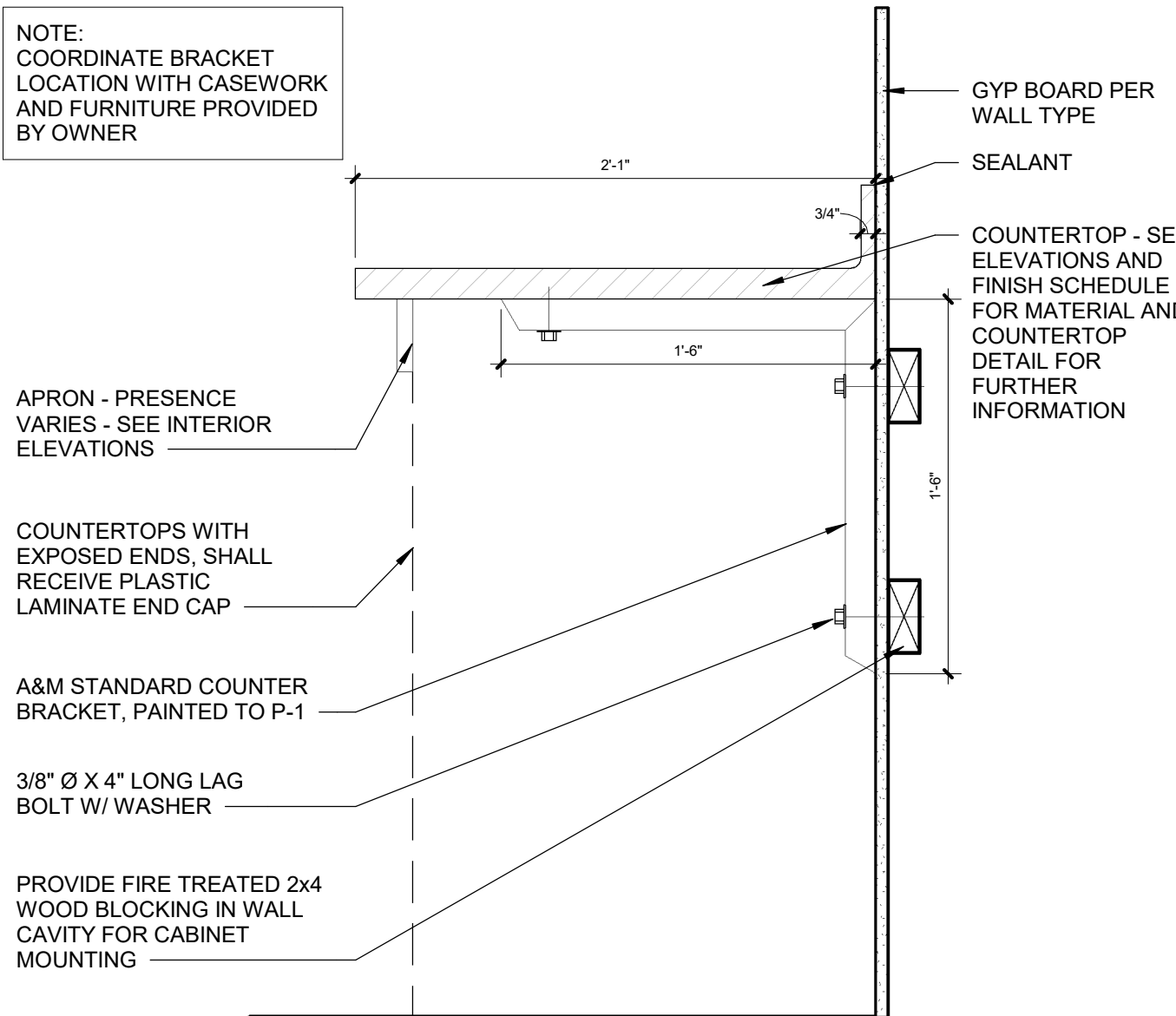
8 TYPICAL COUNTERTOP DETAIL
SCALE: 1 1/2" = 1'-0"



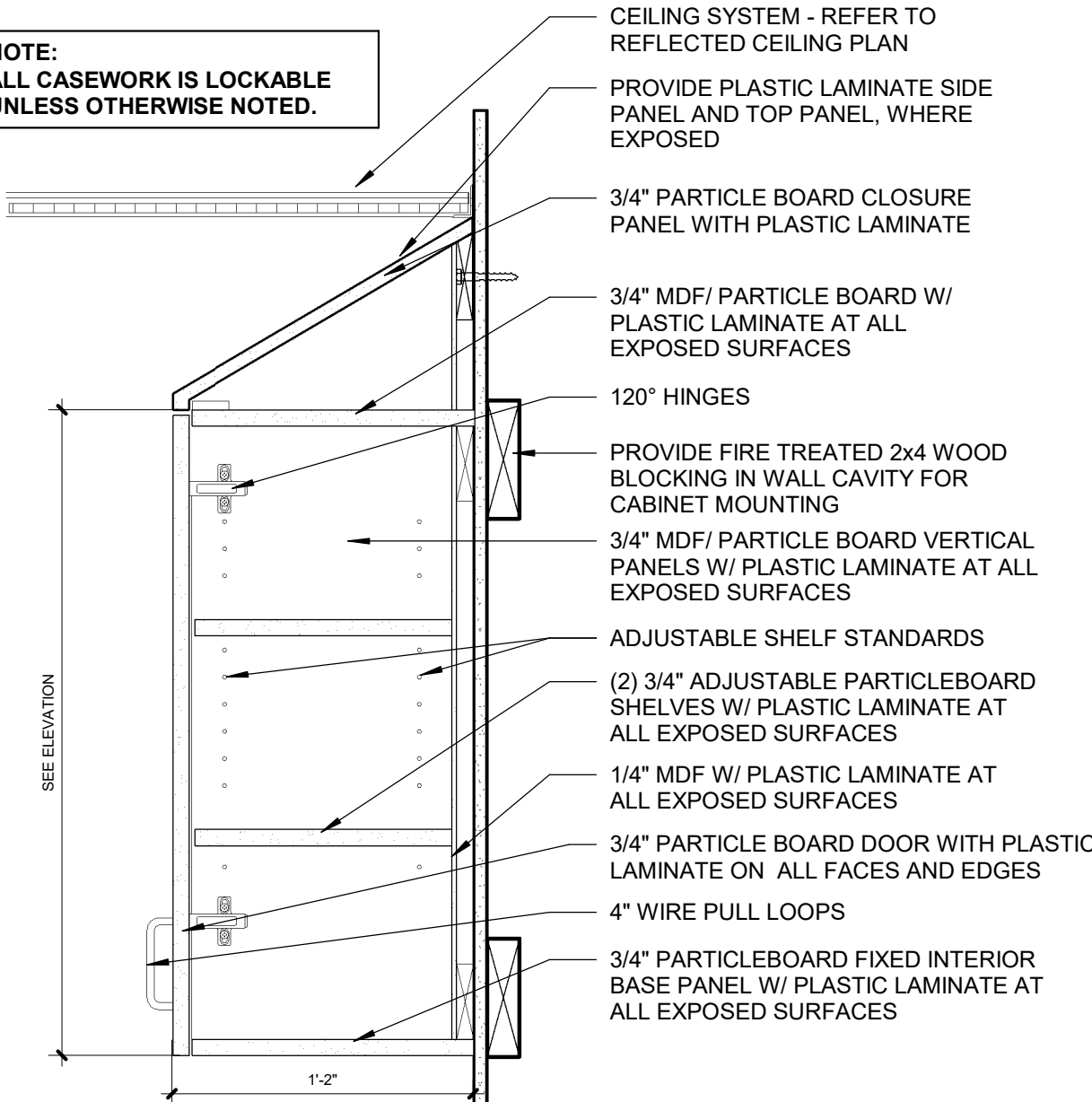
7 REGISTRATION COUNTER AT TRANSACTION WINDOW
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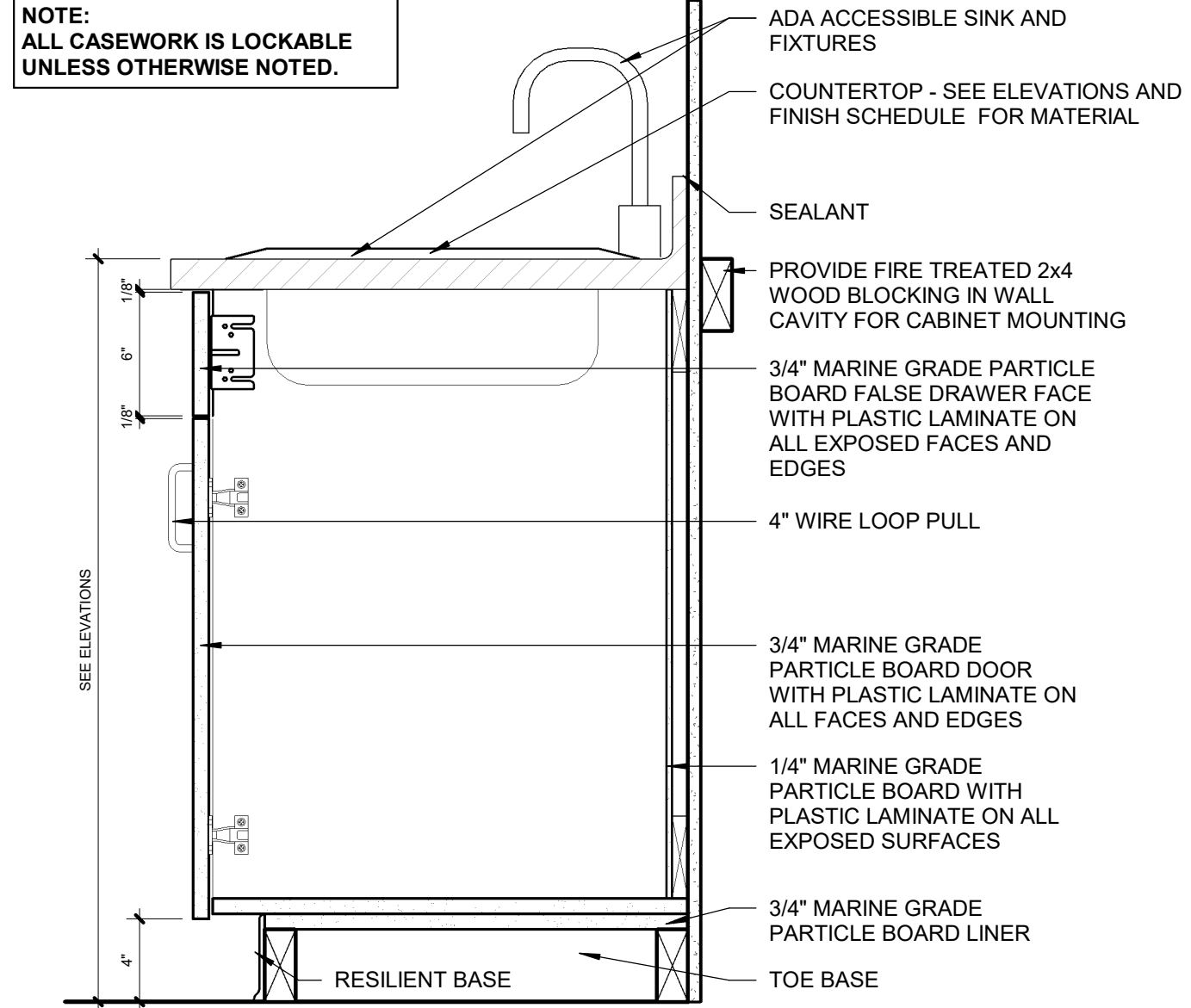
6 CASEWORK - SINK BASE W/ PUSH-FIT PANEL
SCALE: 1 1/2" = 1'-0"



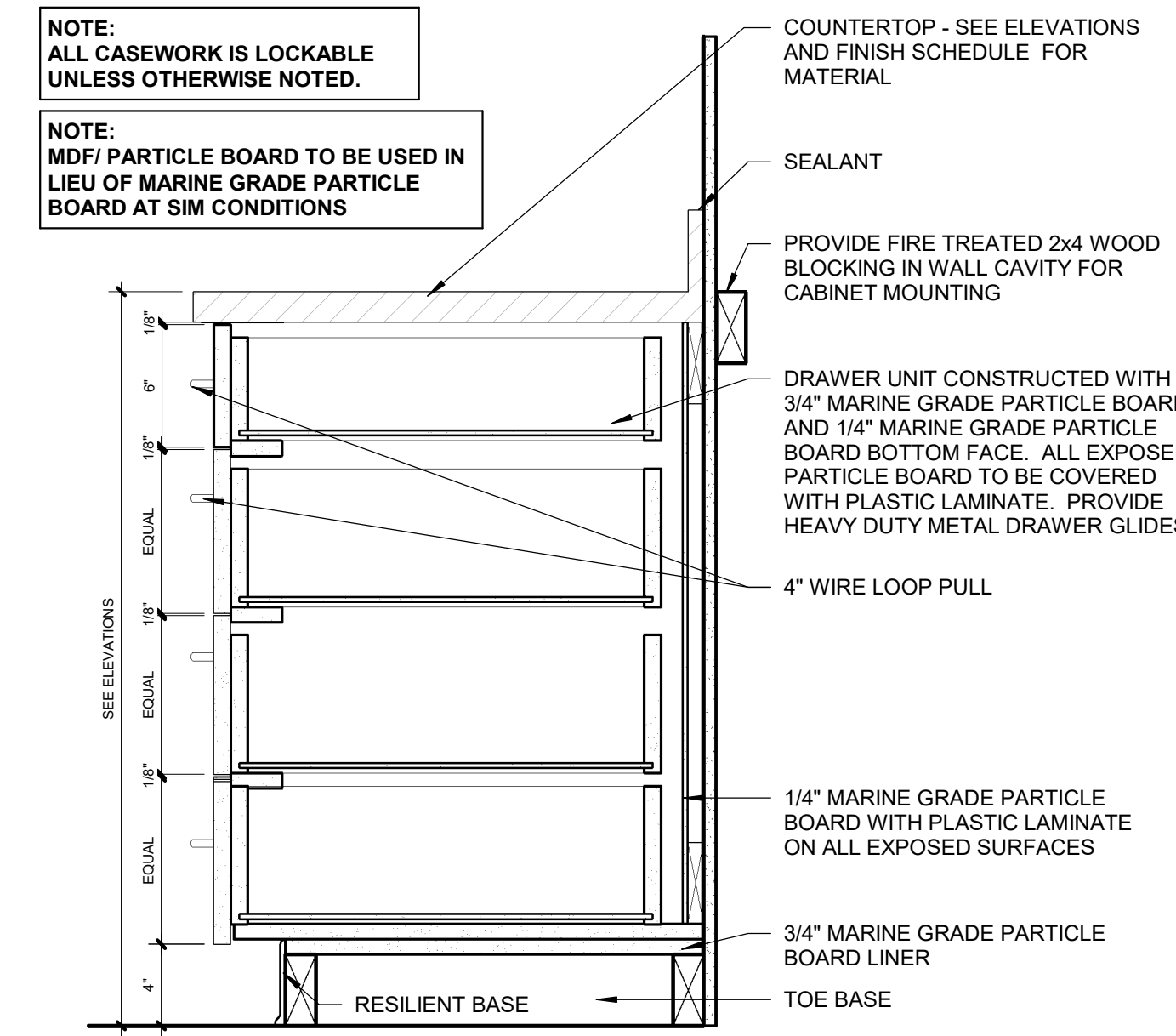
5 CASEWORK - COUNTER BRACING
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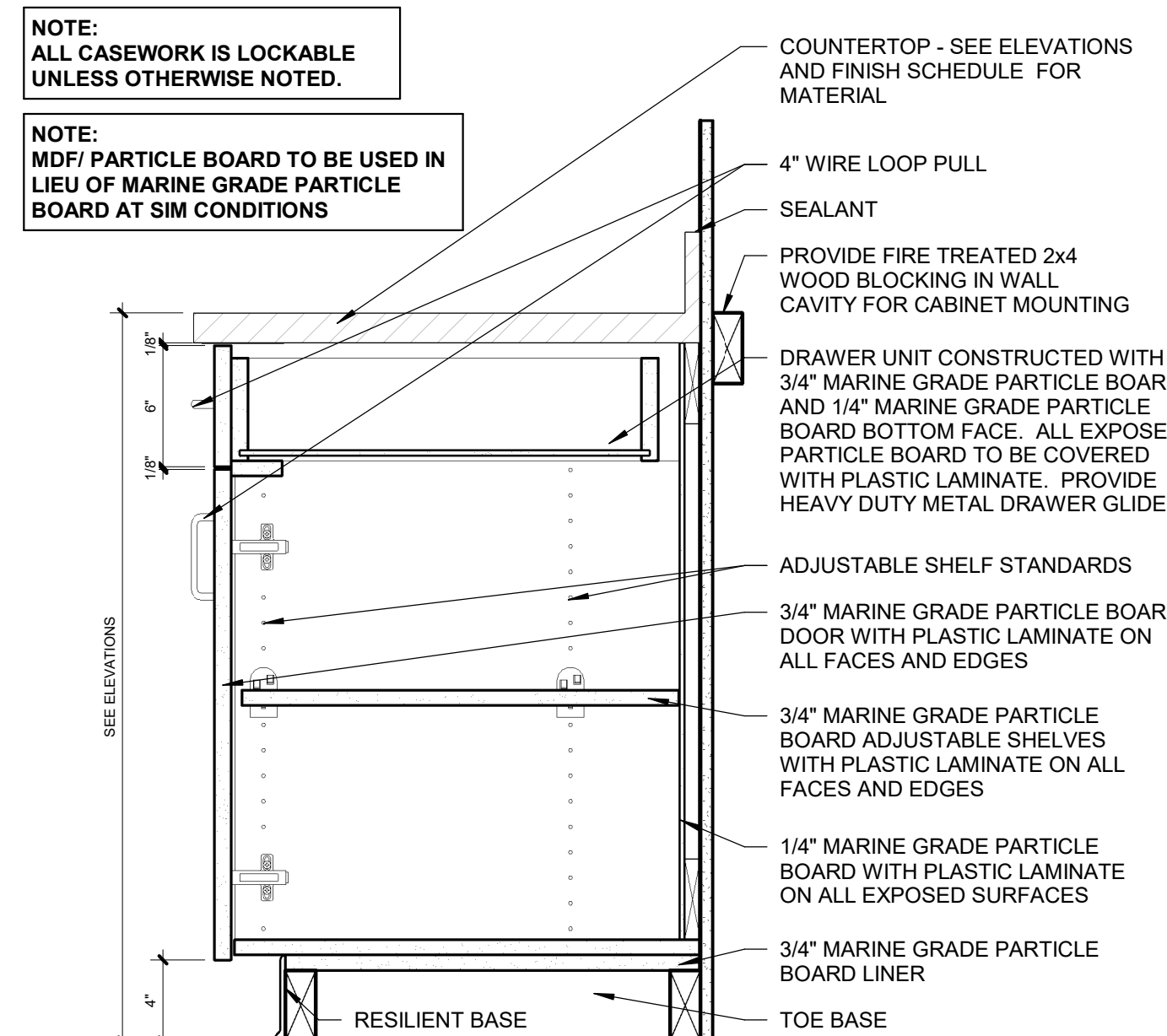
4 CASEWORK - UPPER
SCALE: 1 1/2" = 1'-0"



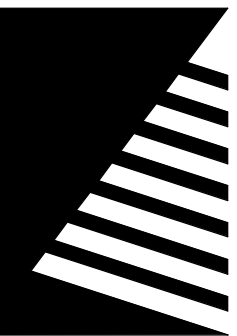
3 CASEWORK - SINK BASE
SCALE: 1 1/2" = 1'-0"



2 CASEWORK - 4 DRAWER BASE
SCALE: 1 1/2" = 1'-0"



1 CASEWORK - TYPICAL BASE
Scale: 1 1/2" = 1'-0"



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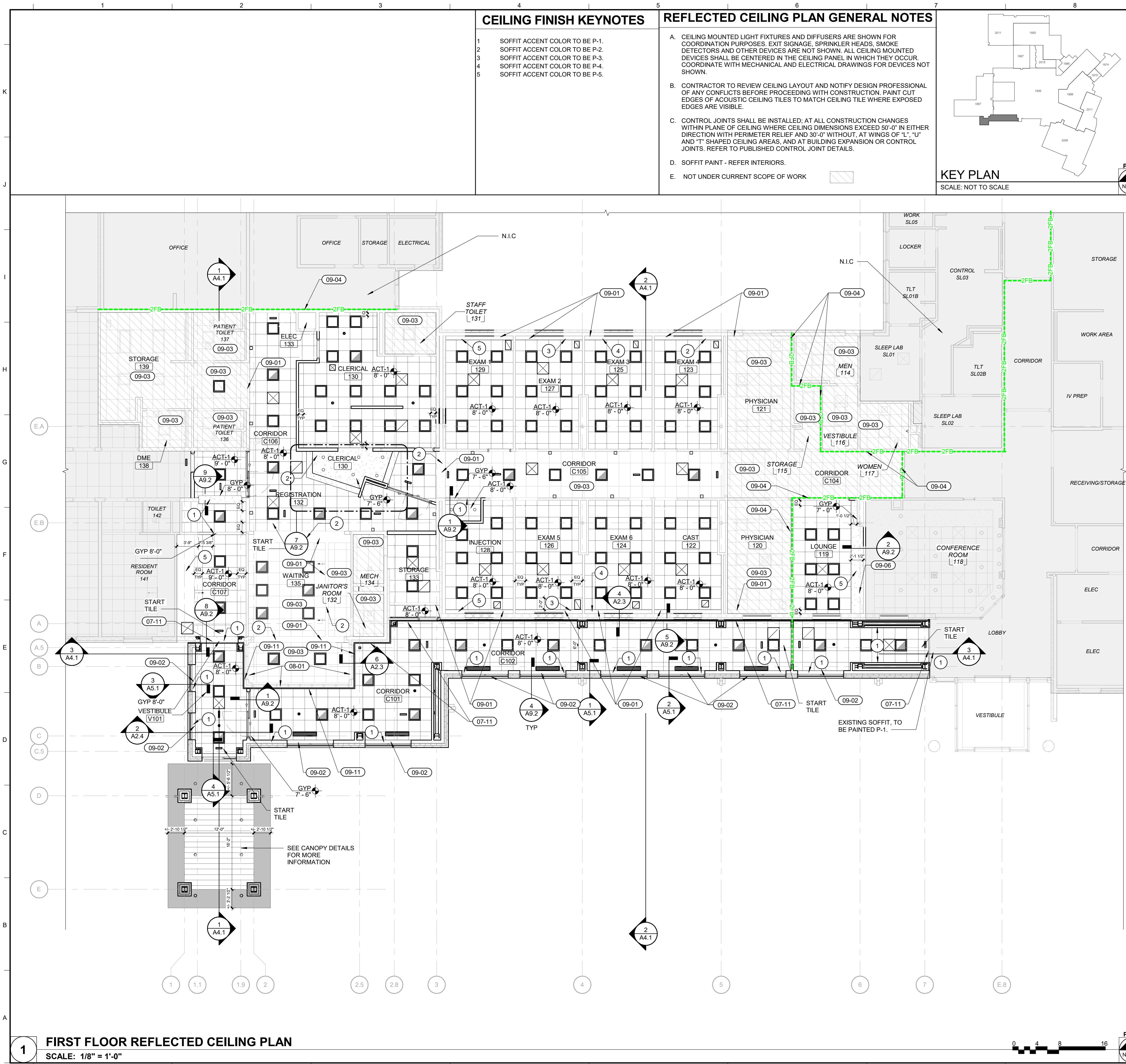
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
TYPICAL CASEWORK
DETAILS

SHEET NUMBER:

A8.33

PROJECT NO.: 0200707.00



CEILING FINISH KEYNOTES

- 1 SOFFIT ACCENT COLOR TO BE P-1.
- 2 SOFFIT ACCENT COLOR TO BE P-2.
- 3 SOFFIT ACCENT COLOR TO BE P-3.
- 4 SOFFIT ACCENT COLOR TO BE P-4.
- 5 SOFFIT ACCENT COLOR TO BE P-5.

REFLECTED CEILING PLAN GENERAL NOTES

- A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN.
- B. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION. PAINT CUT EDGES OF ACOUSTIC CEILING TILES TO MATCH CEILING TILE WHERE EXPOSED EDGES ARE VISIBLE.
- C. CONTROL JOINTS SHALL BE INSTALLED, AT ALL CONSTRUCTION CHANGES WITHIN PLANE OF CEILING WHERE CEILING DIMENSIONS EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30'-0" WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AND AT BUILDING EXPANSION OR CONTROL JOINTS. REFER TO PUBLISHED CONTROL JOINT DETAILS.
- D. SOFFIT PAINT - REFER INTERIORS.
- E. NOT UNDER CURRENT SCOPE OF WORK

KEY PLAN

SCALE: NOT TO SCALE

REFLECTED CEILING PLAN LEGEND

- GYP GYPSUM BOARD CEILING
- ACT-1 2X2 LAY-IN ACOUSTICAL PANEL CEILING
- ACT-2 2X4 LAY-IN ACOUSTICAL PANEL CEILING
- ORTHO PROJECT - NOT UNDER CURRENT SCOPE OF WORK
- CANOPY SOFFIT - METAL PANEL
- EXIT SIGN - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- SUPPLY AIR DIFFUSER - SEE MECHANICAL
- RETURN AIR DIFFUSER - SEE MECHANICAL
- NOT IN CONTRACT

KEYNOTES (BY DIVISION)

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 - 09-07 EXISTING WALL PROTECTION TO REMAIN IN ALL EXAM ROOMS AND CAST ROOM.
 - 09-08 5/8" GYP BOARD ON 7/8" FURRING CHANNEL ALONG THE LENGTH OF THE WALL. EXTEND 6" ABOVE CEILING.
 - 09-09 INFILL PREVIOUS WINDOW LOCATION WITH GYP BOARD ON ONE SIDE OF METAL STUDS AT EACH SIDE OF EXISTING WALL. MATCH EXISTING WALL WIDTH. PROVIDE A SMOOTH UNINTERRUPTED FINISH
 - 09-10 INFILL EXISTING DOOR OPENING WITH GYP BOARD ON ONE SIDE OF METAL STUD FOR EACH SIDE OF THE FORMER DOOR OPENING. MATCH EXISTING WALL WIDTH. PROVIDE A SMOOTH UNINTERRUPTED FINISH
 - 09-11 2" AXIOM TRIM TO SPAN THE CEILING GAP BETWEEN THE EXISTING SOLARIUM AND THE NEW CORRIDOR ADDITION.
- DIVISION 10**
 - 10-01 FIRE EXTINGUISHER CABINET - FULLY RECESSED
 - 10-02 SHARPS CONTAINER (OFOI)
- DIVISION 11**
 - 11-01 REFRIGERATOR (OFOI)
 - 11-02 WALL MOUNTED MONITOR - PROVIDE BLOCKING IN WALL (OFCI)
 - 11-03 SOLACE IN-FLOOR 3'-0"x3'-0" MEDICAL SCALE (OFCI) - REFER STRUCTURAL FOR FOUNDATION AND ELECTRICAL FOR POWER REQUIREMENTS
 - 11-04 EXAM TABLE (OFCI)
 - 11-05 MOBILE COMPUTER STAND (OFCI)
 - 11-06 SHREDDER BIN (OFOI)
 - 11-07 COPIER (OFOI)
 - 11-08 COMPUTER - SHOWN FOR REFERENCE (OFOI)
 - 11-09 WALL MOUNTED TV (OFOI) - PROVIDE NECESSARY BLOCKING.
- DIVISION 12**
 - 12-01 WAITING ROOM CHAIRS (OFOI)
 - 12-02 DINING TABLE AND CHAIRS (OFOI)
 - 12-03 SYSTEMS FURNITURE - WORK DESK AND CABINETS (OFOI) - PROVIDE NECESSARY BLOCKING. COORDINATE WITH OWNER FOR LOCATION
 - 12-04 VISITOR CHAIR (OFOI)
- DIVISION 22**
 - 22-01 RE-ROUTED STORM PIPE - SEE PLUMBING



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ISSUE:
DATE: DESCRIPTION:

Bid Set
01/15/2021

PROJECT:
Crawford Memorial Hospital

CMH - Ortho Clinic Addition and Renovation

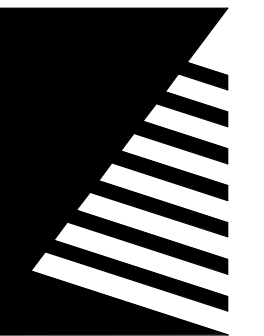
1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
FIRST FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:
A9.1

PROJECT NO.: 0200707.00



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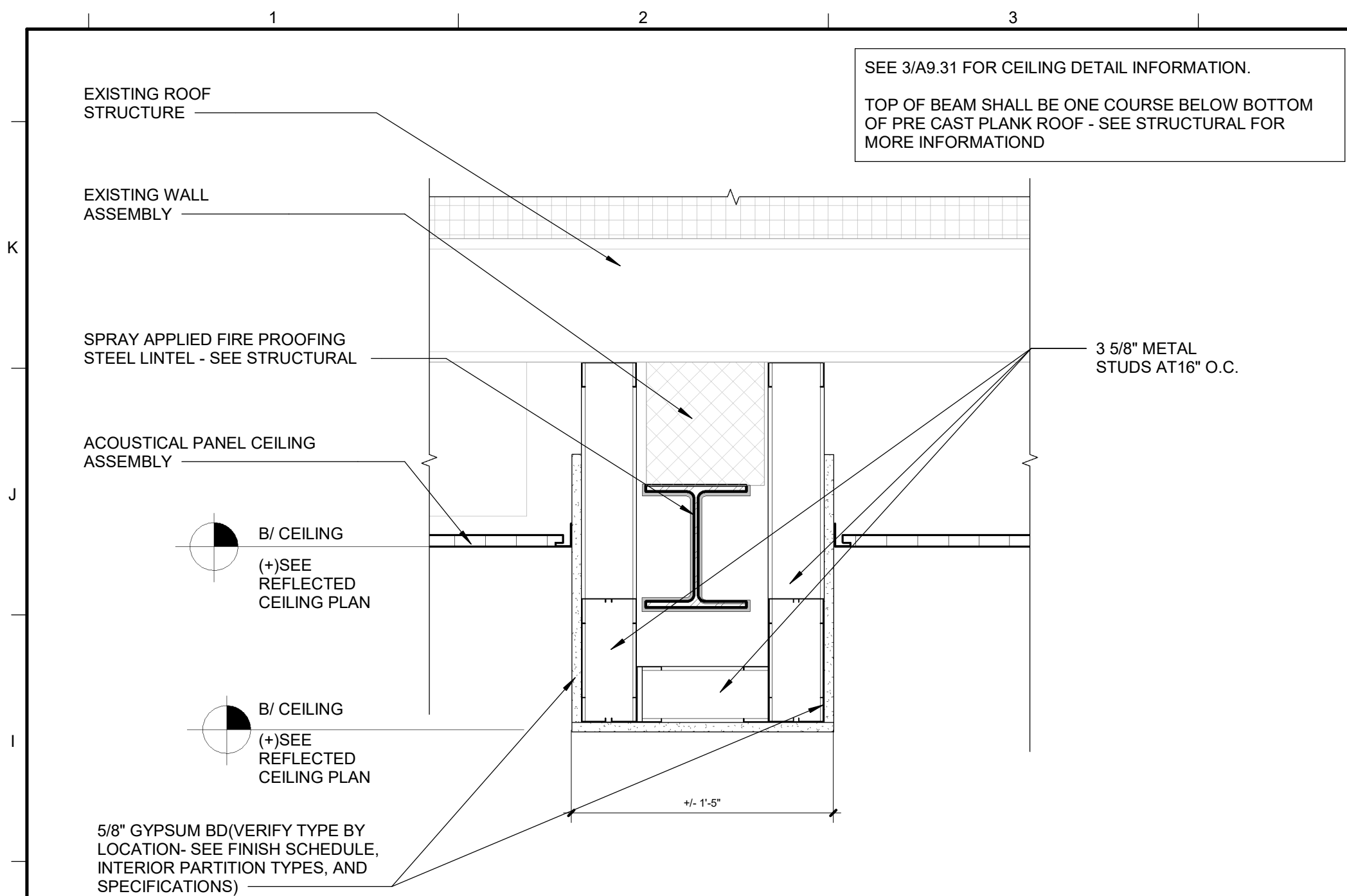
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CEILING DETAILS

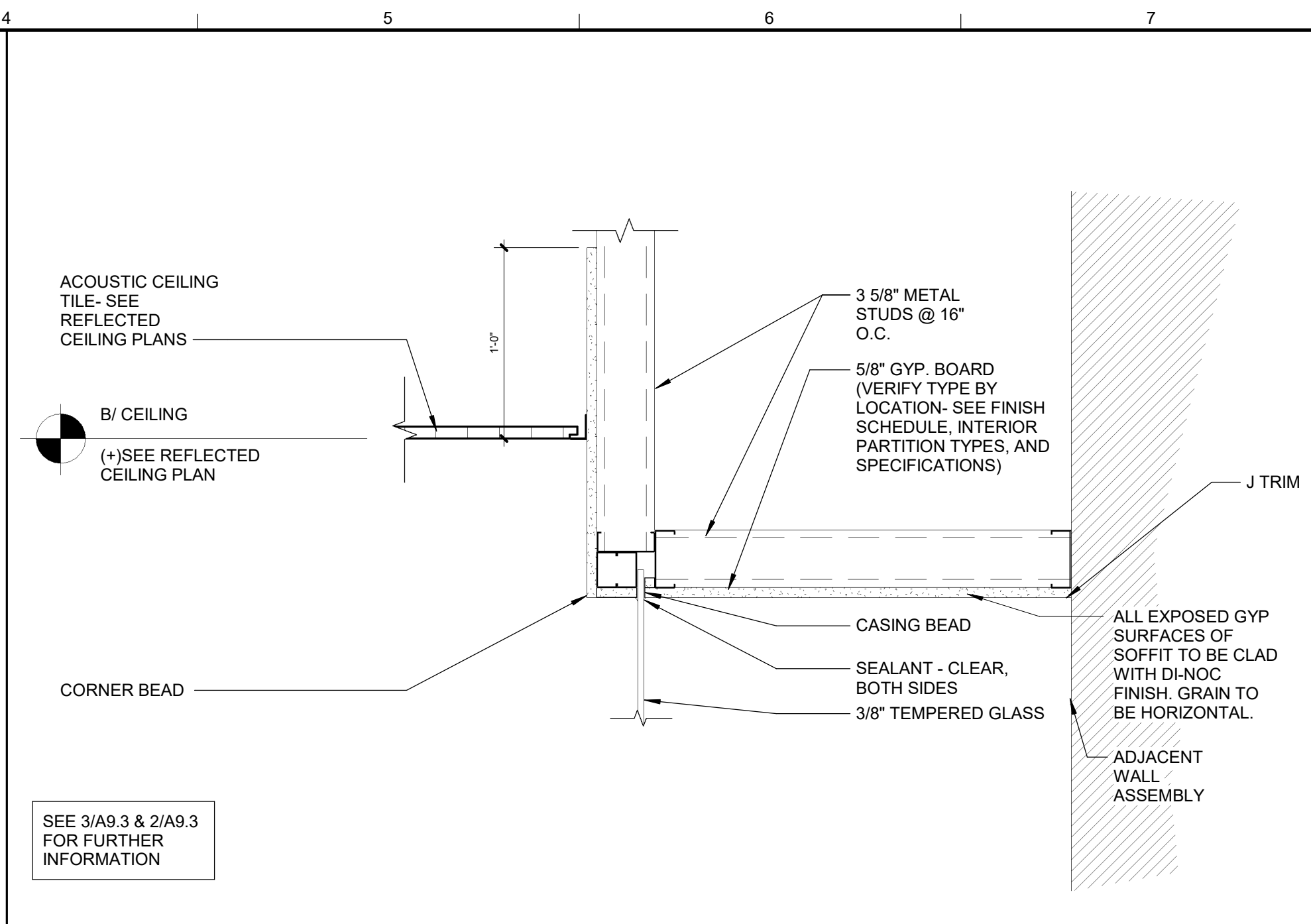
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A9.2

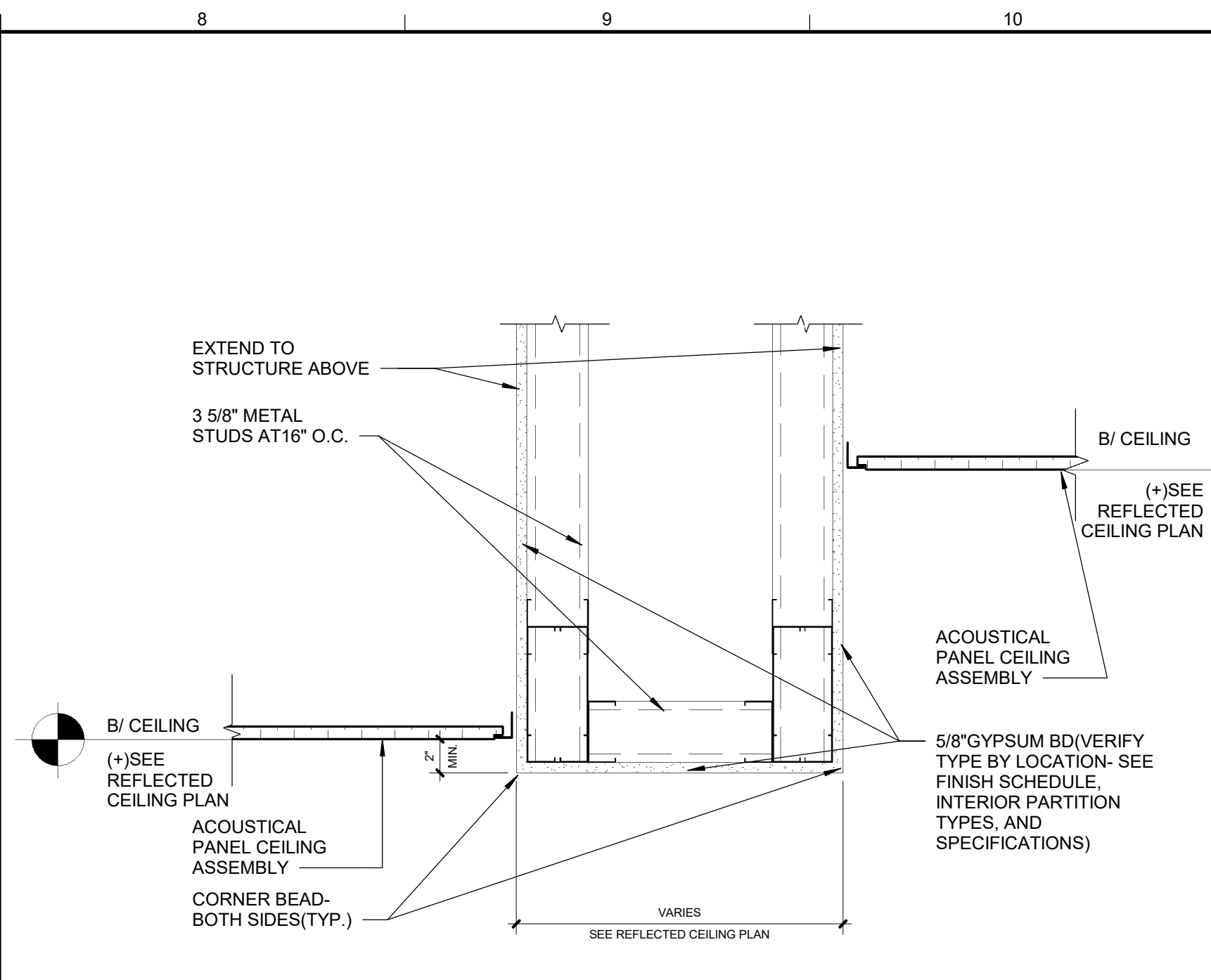
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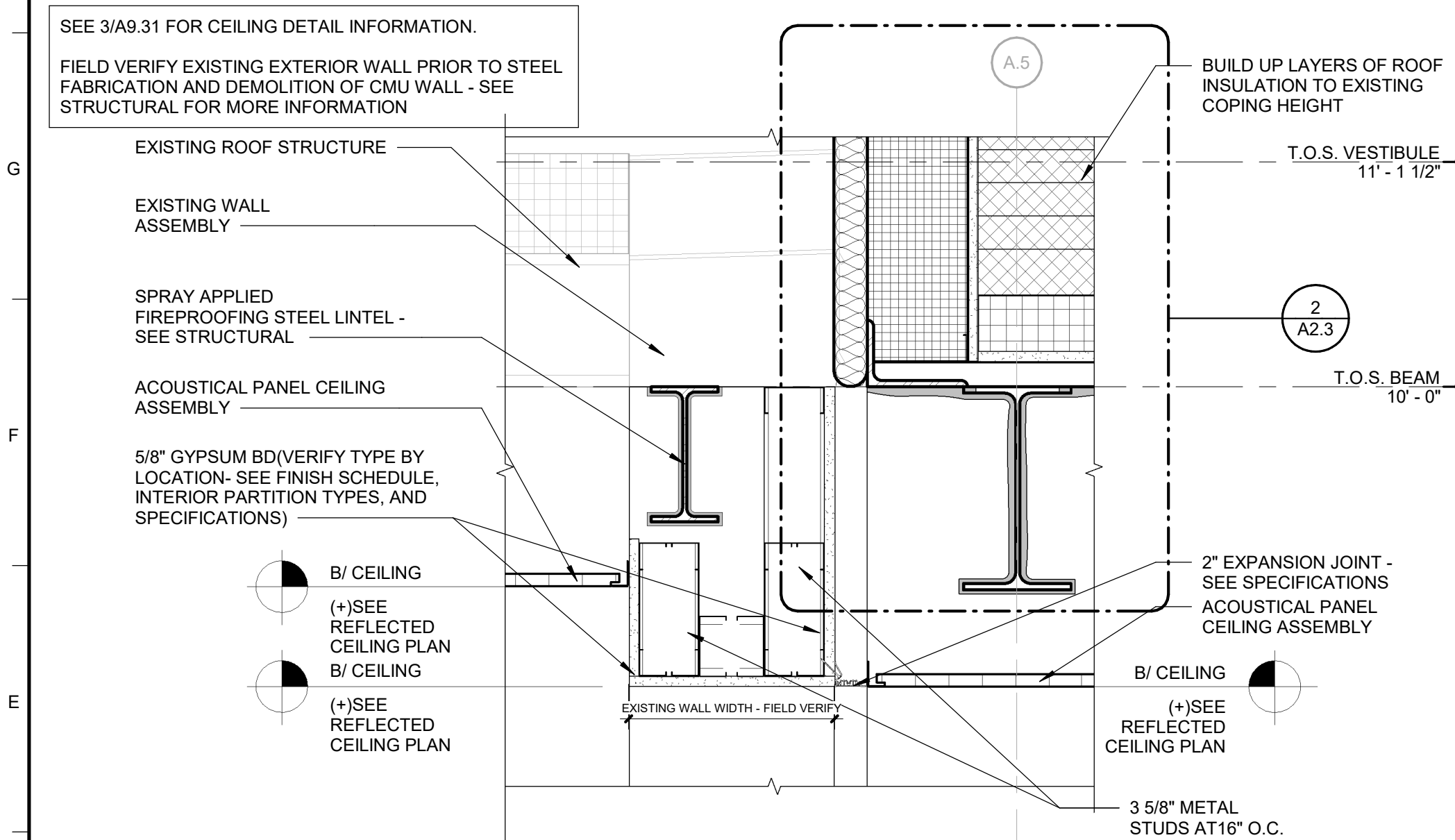
9 LINTEL DETAIL AT CORRIDOR 107
SCALE: 1 1/2" = 1'-0"



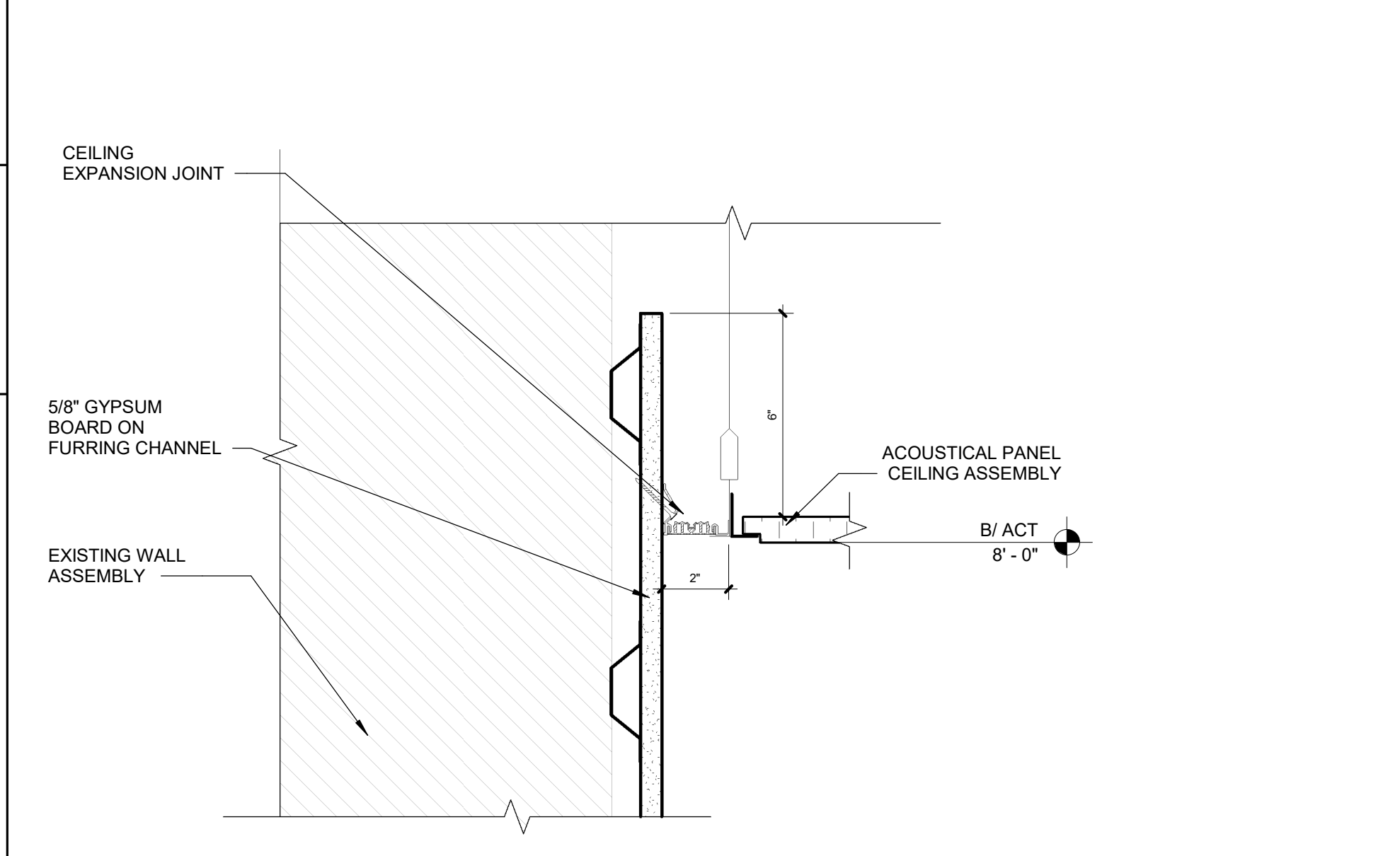
6 REGISTRATION SOFFIT DETAIL - AT GLASS
SCALE: 1 1/2" = 1'-0"



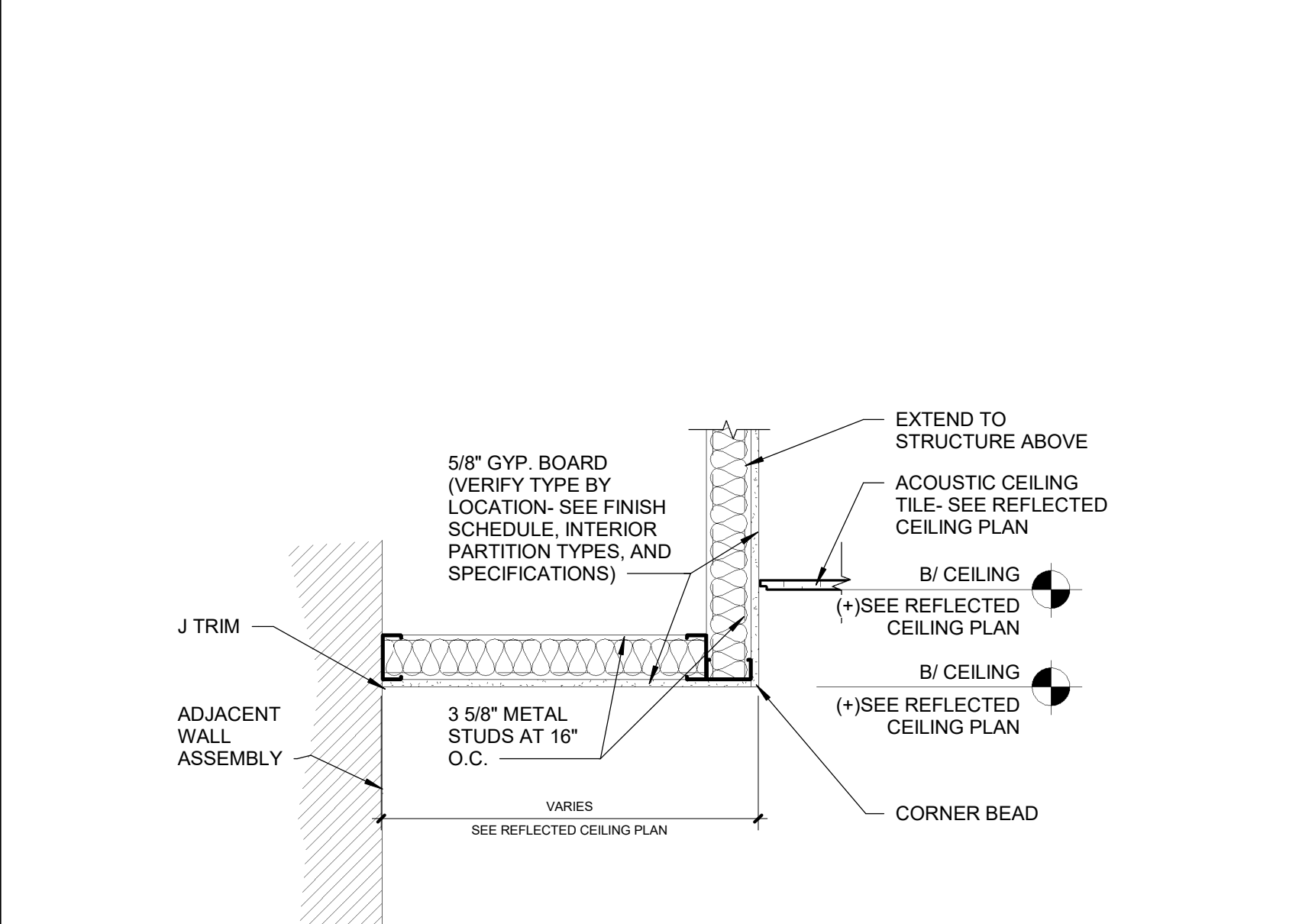
3 BULKHEAD DETAIL - WIDE
SCALE: 1 1/2" = 1'-0"



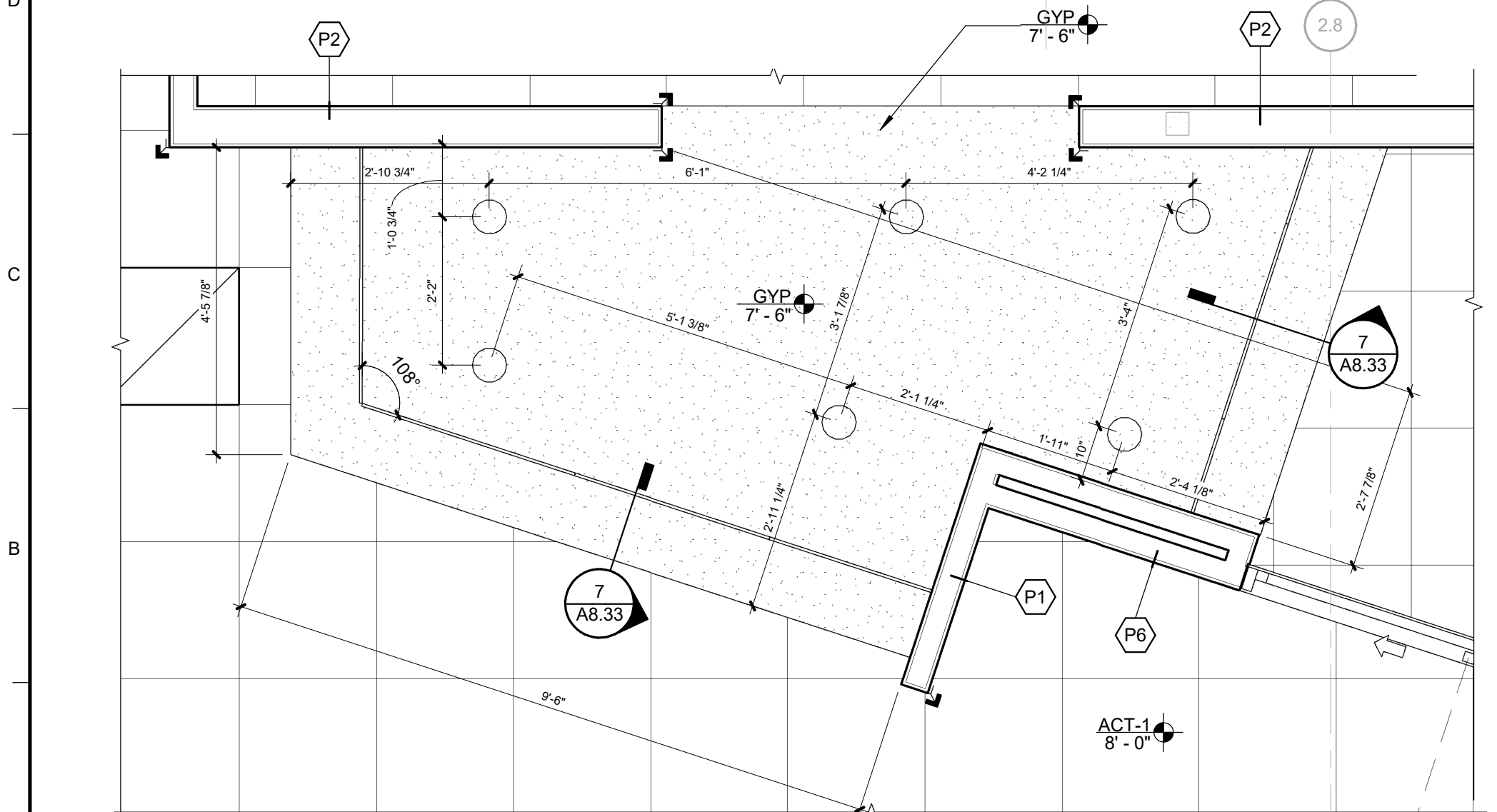
8 LINTEL DETAIL AT CORRIDOR 107 & VESTIBULE 101
SCALE: 1 1/2" = 1'-0"



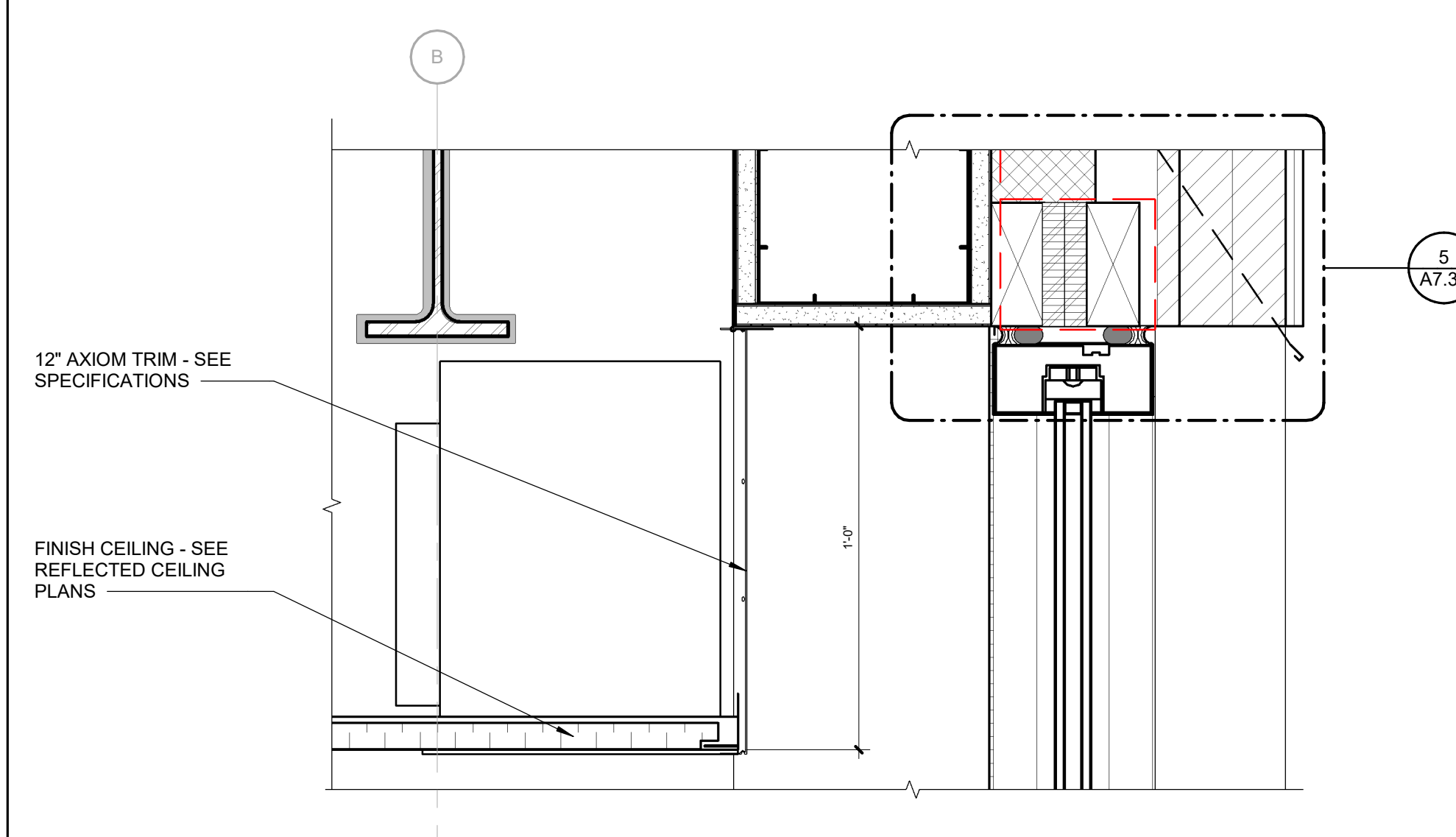
5 CEILING EXPANSION JOINT AT CORRIDOR CONNECTING
SCALE: 3" = 1'-0"



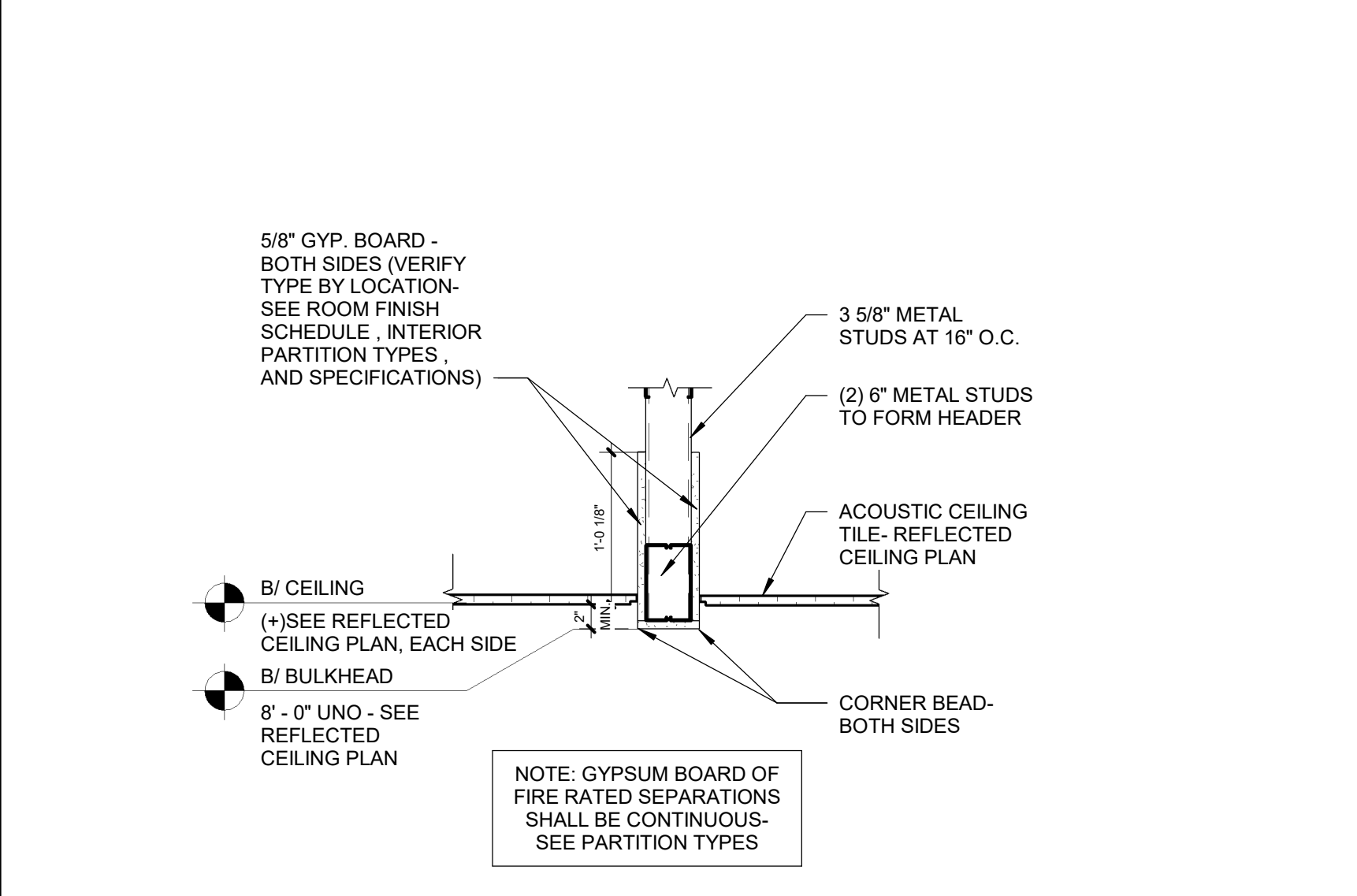
2 BULKHEAD DETAIL - ACT/GYP
SCALE: 1" = 1'-0"



7 ENLARGED REFLECTED CEILING PLAN - CLERICAL
SCALE: 1/2" = 1'-0"

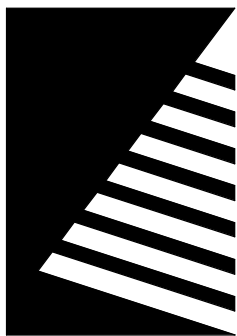


4 AXIOM TRIM DETAIL AT NEW WINDOWS - TYPICAL
SCALE: 3" = 1'-0"



1 BULKHEAD DETAIL - ACT/ACT
SCALE: 1" = 1'-0"

1/16/2021 3:43:59 PM



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DRAWN: APH/KEC
REVIEWED: MCR/DGB

SHEET TITLE:
VIEWS

SHEET NUMBER:

A10.1

PROJECT NO.: 0200707.00

VIEWS FOR REFERENCE ONLY

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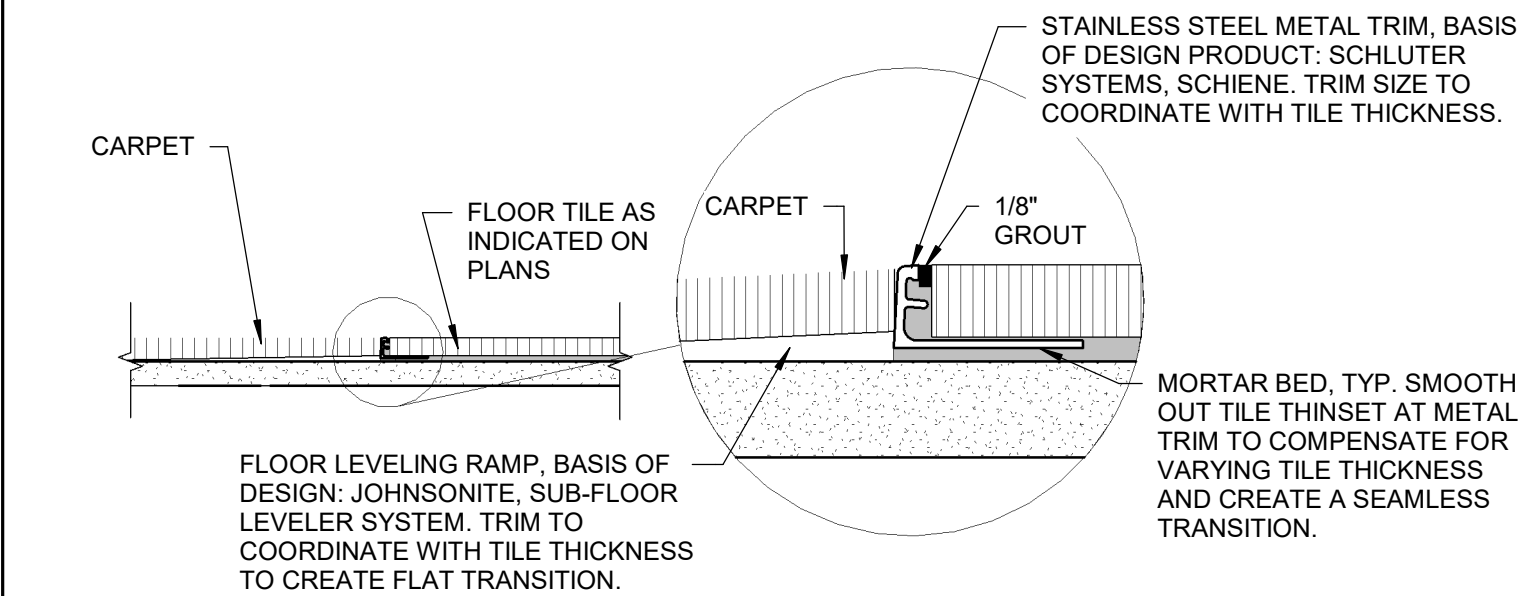
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5

FLOOR TILE TO CARPET TRANSITION

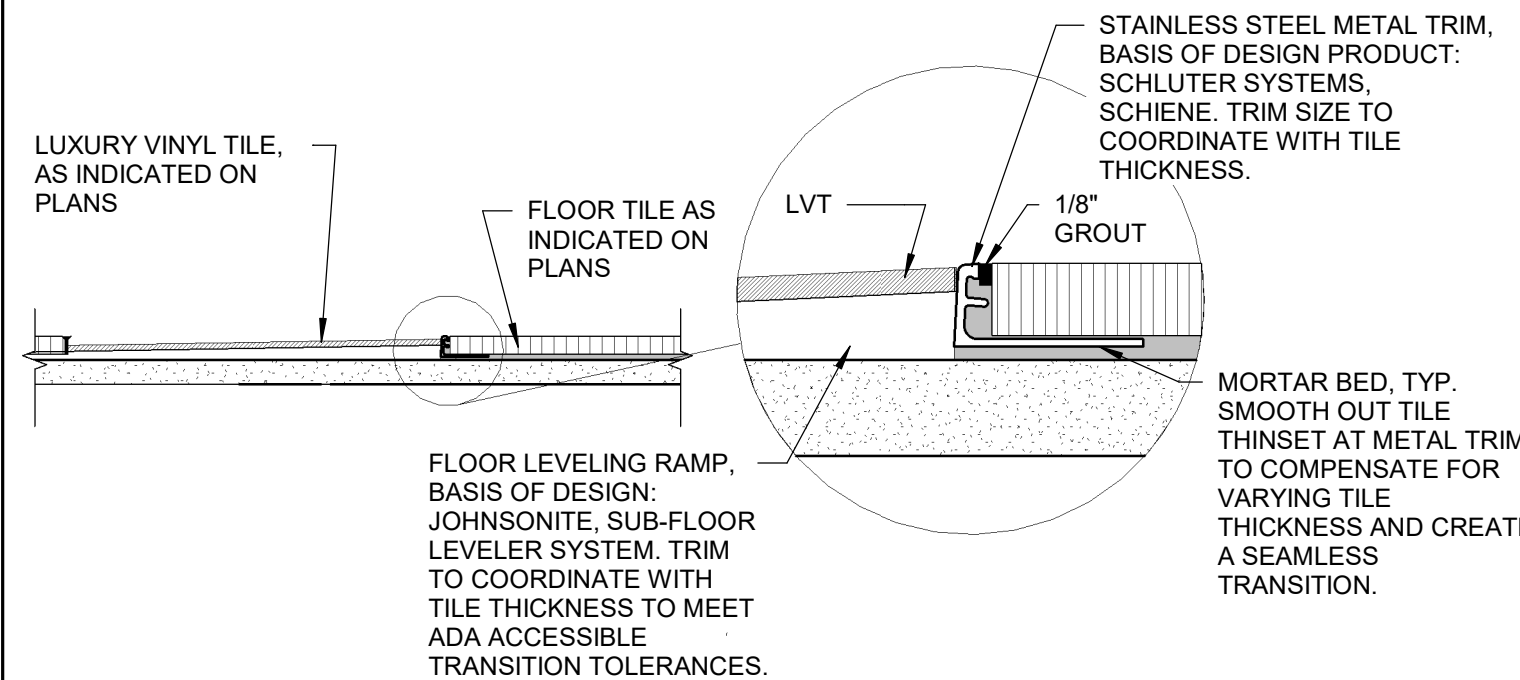
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4

FLOOR TILE TO LVT TRANSITION

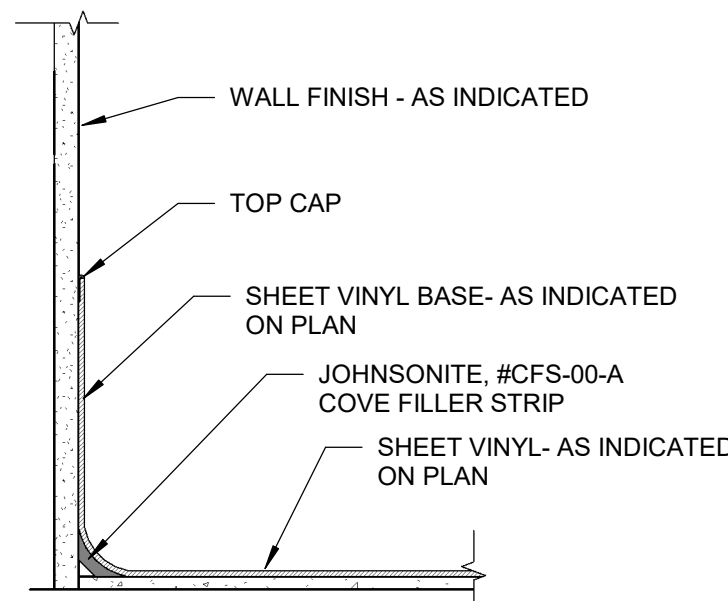
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3

SHEET VINYL COVE BASE

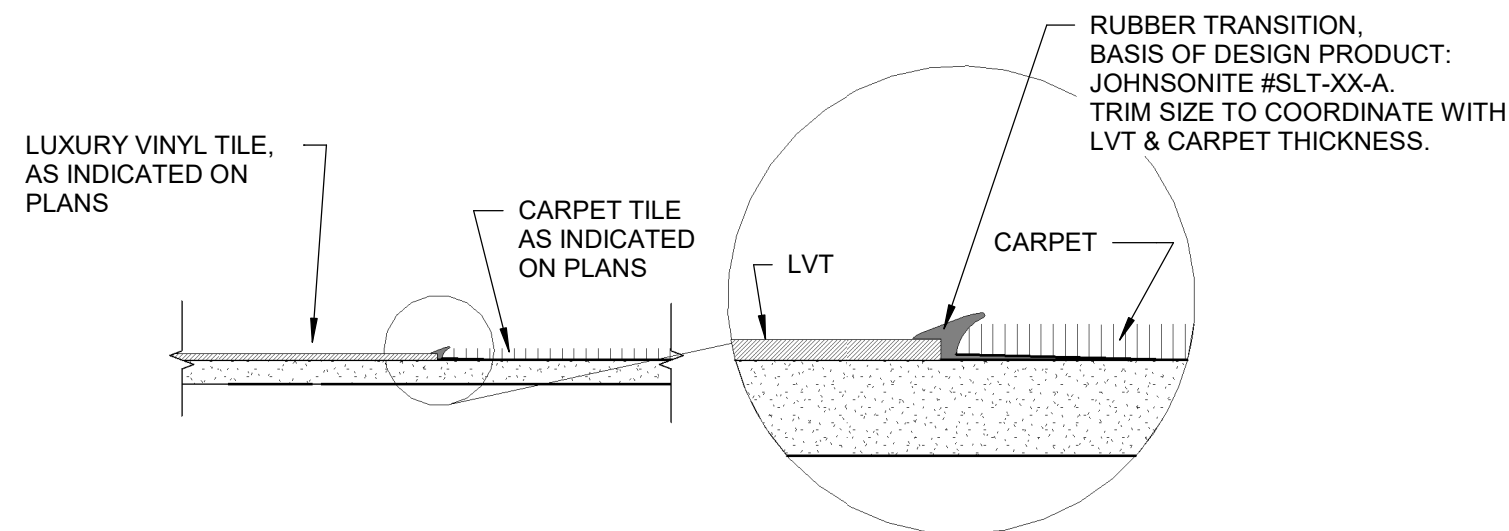
SCALE: 3" = 1'-0"



2

CARPET TO LVT TRANSITION

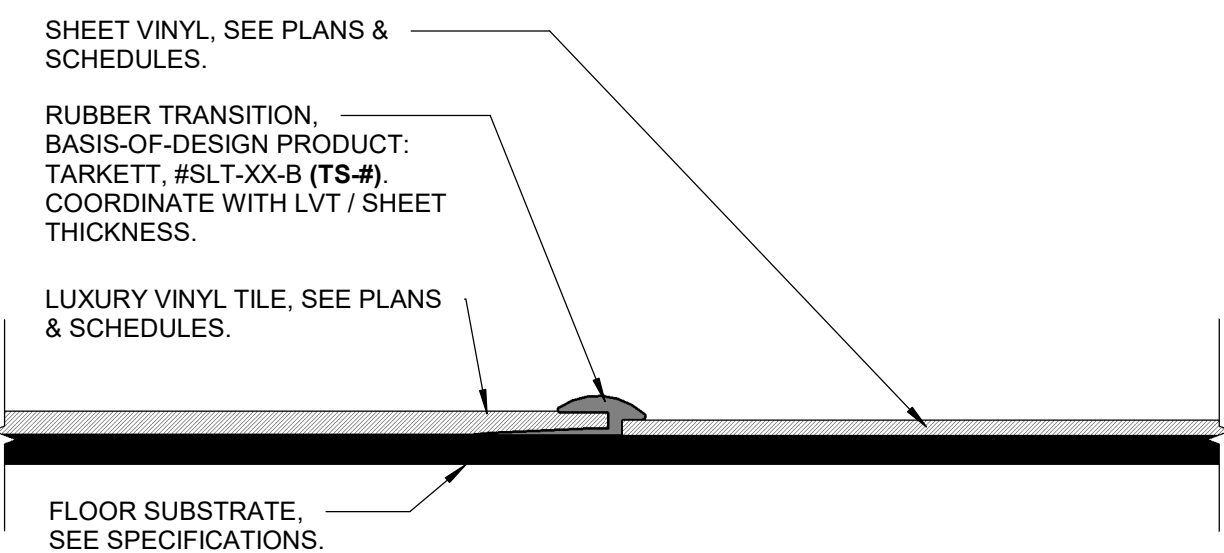
SCALE: 3" = 1'-0"



1

LVT TO SHEET VINYL TRANSITION

SCALE: 12" = 1'-0"



PROJECT GENERAL FINISH NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- U.N.O. ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES.
- ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO WORK.
- BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT / MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS-OF-DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- REFER TO GENERAL INFORMATION SHEETS FOR FINISH SYMBOLS AND ABBREVIATIONS.
- REFER TO PLANS, FINISH SCHEDULE AND DETAILS FOR FINISH INFORMATION AND LOCATIONS.
- NOTES COLUMN PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- U.N.O. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION.
- ALL FINISHES OF SAME TYPE SHALL BE ORDERED AT THE SAME TIME TO ENSURE ALL PRODUCT IS FROM ONLY ONE (1) DYE LOT. A SAMPLE FROM THE SAME DYE LOT TO BE SUBMITTED TO ARCHITECT FOR APPROVAL. WHERE MORE THAN ONE DYE LOT IS REQUIRED, NOTIFY ARCHITECT IMMEDIATELY AND SUBMIT SECOND VERIFICATION SAMPLE FROM OTHER DYE LOT TO ARCHITECT FOR APPROVAL.
- U.N.O. ALL FINISHES TO BE APPLIED FLUSH AND SMOOTH TO SUBSTATE.
- PRIOR TO INSTALLATION OF FLOOR FINISH PERFORM MOISTURE TEST AND CONFIRM COMPLIANCE WITH FLOORING MANUFACTURER'S REQUIREMENTS.
- CLEAN AND PREPARE FLOOR AREA TO ACCEPT NEW FLOORING, MAINTAINING REQUIRED FLOOR ASSEMBLY RATING, TO BE FLUSH AND CONTINUOUS WITH ADJACENT FLOOR SURFACE, AS REQUIRED FOR NEW FINISH.
- U.N.O. ALL FLOORING TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. VERIFY SUBSTRATE CONDITIONS AND SYSTEM COMPATIBILITY WILL ALL MANUFACTURERS AND SUPPLIERS.
- U.N.O. FLOORING SEAMS TO BE MINIMIZED PERPENDICULAR TO DOORWAYS AND CASSED OPENINGS.
- U.N.O. ALL LIGHT SWITCH AND OUTLET COVER PLATES TO MATCH EXISTING, PER OWNER EXISTING INSTALLATION, V.I.F.
- U.N.O. ALL MECHANICAL DIFFUSER/AIR GRILLES TO **MATCH ADJACENT WALL FINISH**.
- U.N.O. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS.
- EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL PRIOR TO DEMOLITION AND CONSTRUCTION.
- G.C. TO COORDINATE WITH ARCHITECT REGARDING SPECIAL PRICING WITH MANUFACTURERS LISTED IN THE PRODUCT MANUFACTURERS CONTACT LIST ON **SHEET 10.1**.



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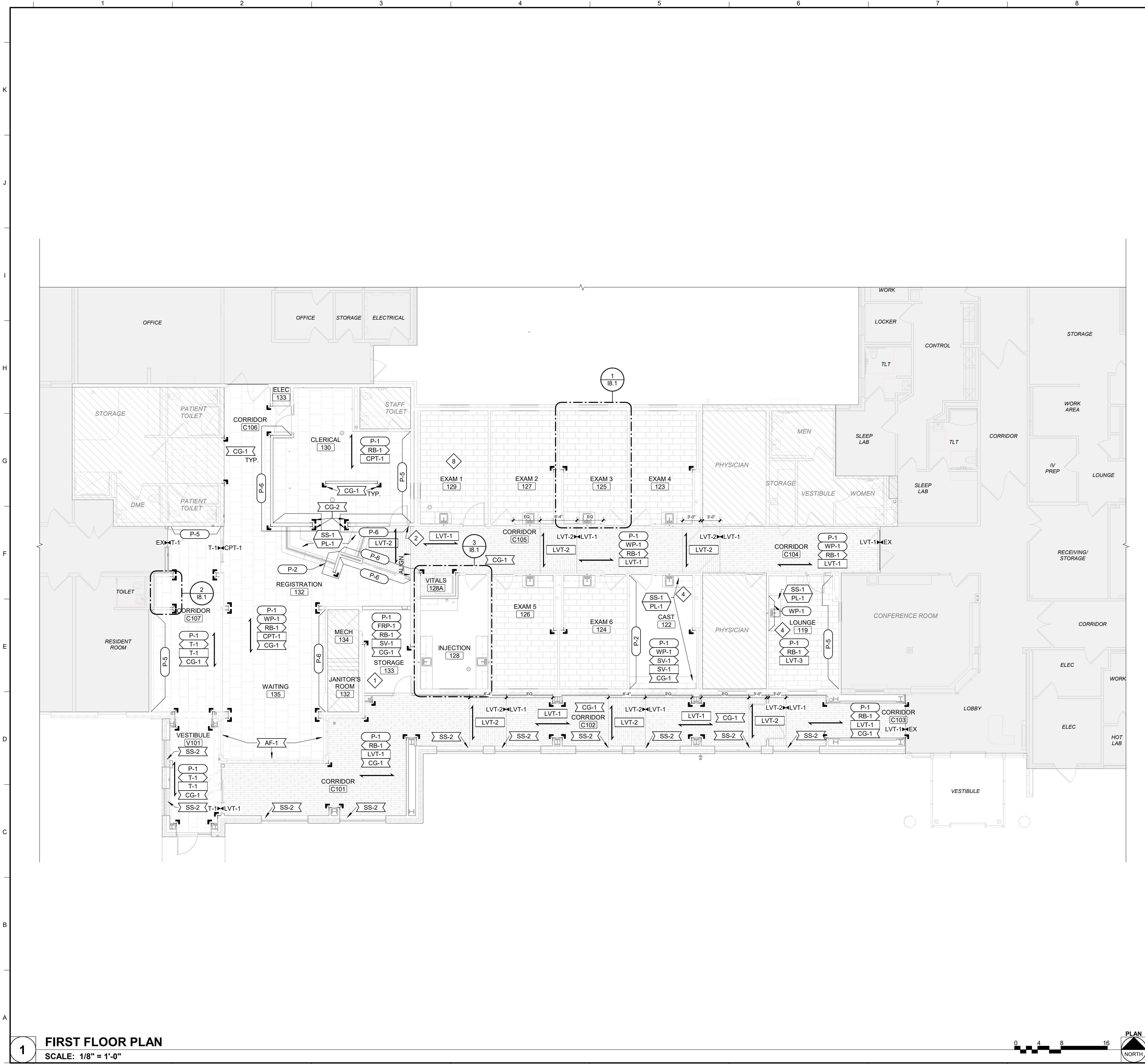
DATE: 01/15/2021
DESIGNED: APH/DGB
DRAWN: MAB/JDP
REVIEWED: MCR/DGB

SHEET TITLE:
**GENERAL
INFORMATION &
INTERIOR FINISH
DETAILS**

SHEET NUMBER:

10.2

PROJECT NO.: 0200707.00



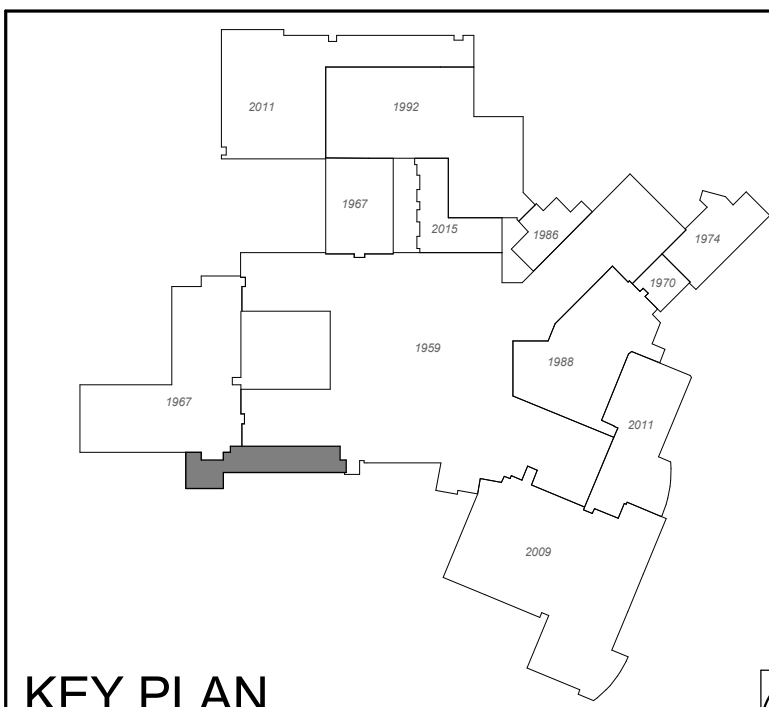
FINISH PLAN GENERAL NOTES

- A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- B. ALL FLOOR FINISHES TO EXTEND BENEATH CASEWORK.
- C. U.N.O. ALL PAINTED SURFACES TO RECEIVE A MINIMUM OF ONE (1) PRIMER COAT AND THEN TWO (2) FINISH PAINT COATS OR UNTIL MANUFACTURER'S MINIMUM MIL THICKNESS IS ACHIEVED. TINT PRIMER COAT PER MANUFACTURER'S SPECIFICATIONS.
- D. U.N.O. ALL PAINTED DRYWALL PARTITIONS TO RECEIVE A LEVEL **FIVE (5)** FINISH PRIOR TO PRIME AND FINISH COATS TO AVOID PAINT FLASHING.
- E. U.N.O. ALL PAINTED SURFACES TO RECEIVE THE FOLLOWING FINISHES:
a. WALL SURFACES: **EGGSHELL (SATIN)**
b. CEILINGS, SOFFITS & BULKHEADS HORIZONTAL SURFACES: **FLAT**
c. HOLLOW METAL SURFACES: **SEMI-GLOSS**
d. WOOD SURFACES: **SEMI-GLOSS**
e. CONCRETE & CMU SURFACES: **EGGSHELL**
- F. U.N.O. ALL PARTITIONS TO RECEIVE PAINT **P-1**.
- G. U.N.O. ALL EXPOSED STRUCTURE, DUCT WORK, PIPING & CONDUITS TO RECEIVE **P-1**.
- H. U.N.O. ALL HOLLOW METAL FRAMES TO RECEIVE **P-6**, REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- I. U.N.O. ALL WALL BASE SHALL BE **RB-1**.
- J. SEE ARCHITECTURAL ELEVATIONS FOR FURTHER FINISH INFORMATION.
- K. WHERE NEW WALL PROTECTION IS SPECIFIED AS A PATCH OR FILL IN TO EXISTING WALL PROTECTION, MATCH ADJACENT INSTALLATION IN HEIGHT, TRIM ACCESSORIES, COLOR AND TEXTURE.
- L. PROTECT AND PATCH EXISTING WALL PROTECTION AND EXISTING WALL MOUNTED HANDRAILS.
- M. WHERE DEMOLITION OR PATCHING OCCURS, PROVIDE NEW HANDRAIL WALL BRACKETS, RETURNS, RETAINERS AND COVERS AS REQUIRED, TO MATCH EXISTING ADJACENT PRODUCT.

FINISH KEYNOTES

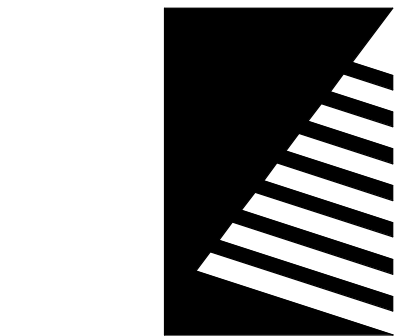
- 1 FINISHED HEIGHT OF FRP TO BE 4'-0" A.F.F.
- 2 PAINT TRANSITION AT CONTROL JOINT. ALIGN TO DOOR FRAME, RIGHT SIDE.
- 3 ACCENT WALL IN EXAM ROOM 4 #123 TO BE P-2. ACCENT WALL IN EXAM ROOM 2 #127 & EXAM ROOM 5 #126 TO BE P-3. ACCENT WALL IN EXAM ROOM 3 #125 & EXAM 6 #124 TO BE P-4. ACCENT WALL IN EXAM ROOM 1 #129 TO BE P-5.
- 4 WALL PROTECTION BACKSPLASH TO ALIGN WITH SIDE OF UPPER CABINET AND COUNTERTOP BACKSPLASH. WALL PROTECTION BACKSPLASH TO GO FROM TOP SIDE OF COUNTERTOP BACKSPLASH AND GO UP TO UNDERSIDE OF UPPER CABINETS.
- 5 NEW WALL PROTECTION TO ALIGN WITH TOP OF EXISTING WALL PROTECTION. SEE ARCHITECTURAL ELEVATIONS AND FIELD VERIFY.
- 6 COORDINATE FLOORING WITH RECESSED FLOOR SCALE.
- 7 FINISHED HEIGHT OF WALL PROTECTION TO BE 4'-0" A.F.F.
- 8 NO EXISTING WALL PROTECTION IN EXAM 1 ROOM 129. PROVIDE NEW WALL PROTECTION, WP-1, ON ALL WALLS AT FINISHED HEIGHT OF 4'-0" A.F.F.

SHADING INDICATES AREAS OF FACILITY NOT INCLUDED IN SCOPE OF WORK



KEY PLAN

SCALE: NOT TO SCALE



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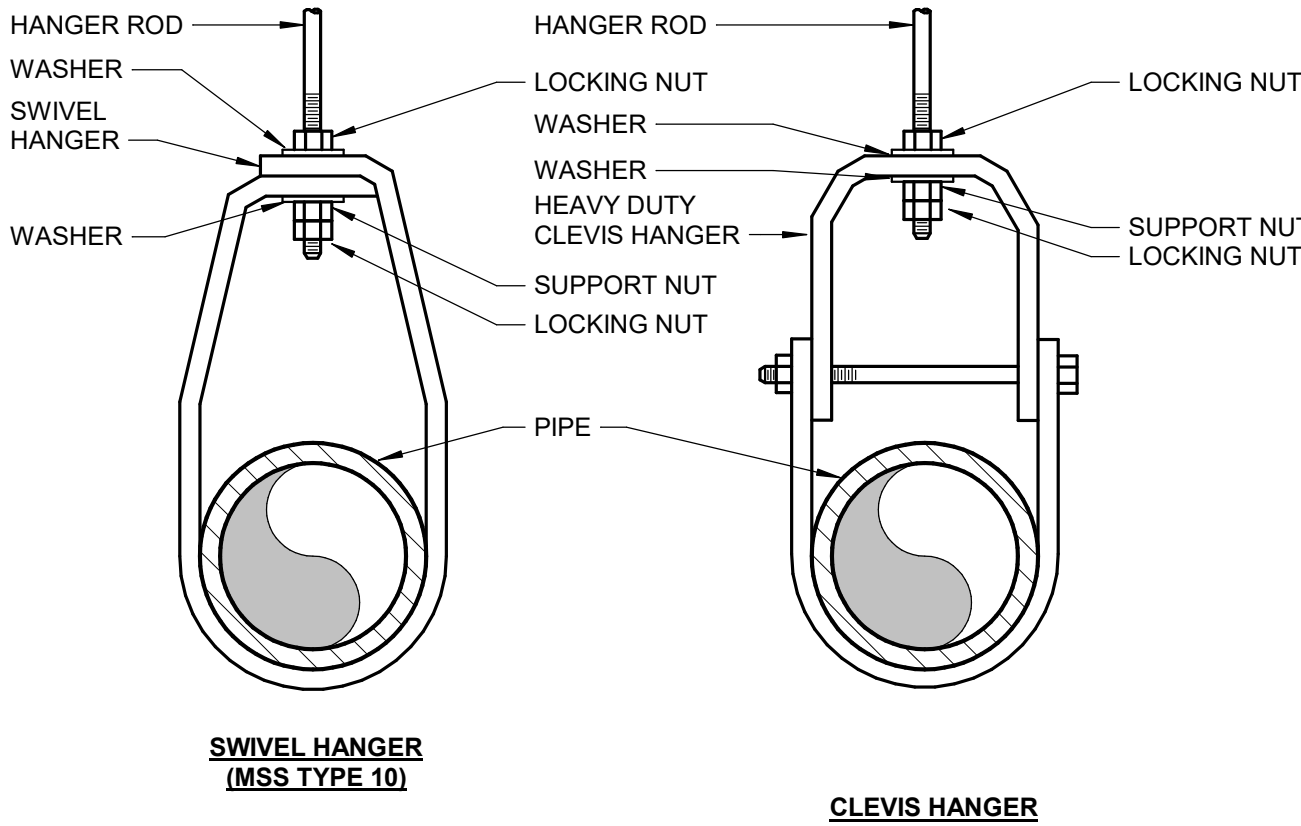
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REVIEWED: MCR/DGB

SHEET TITLE:
**FIRST FLOOR FINISH
PLAN**

SHEET NUMBER:

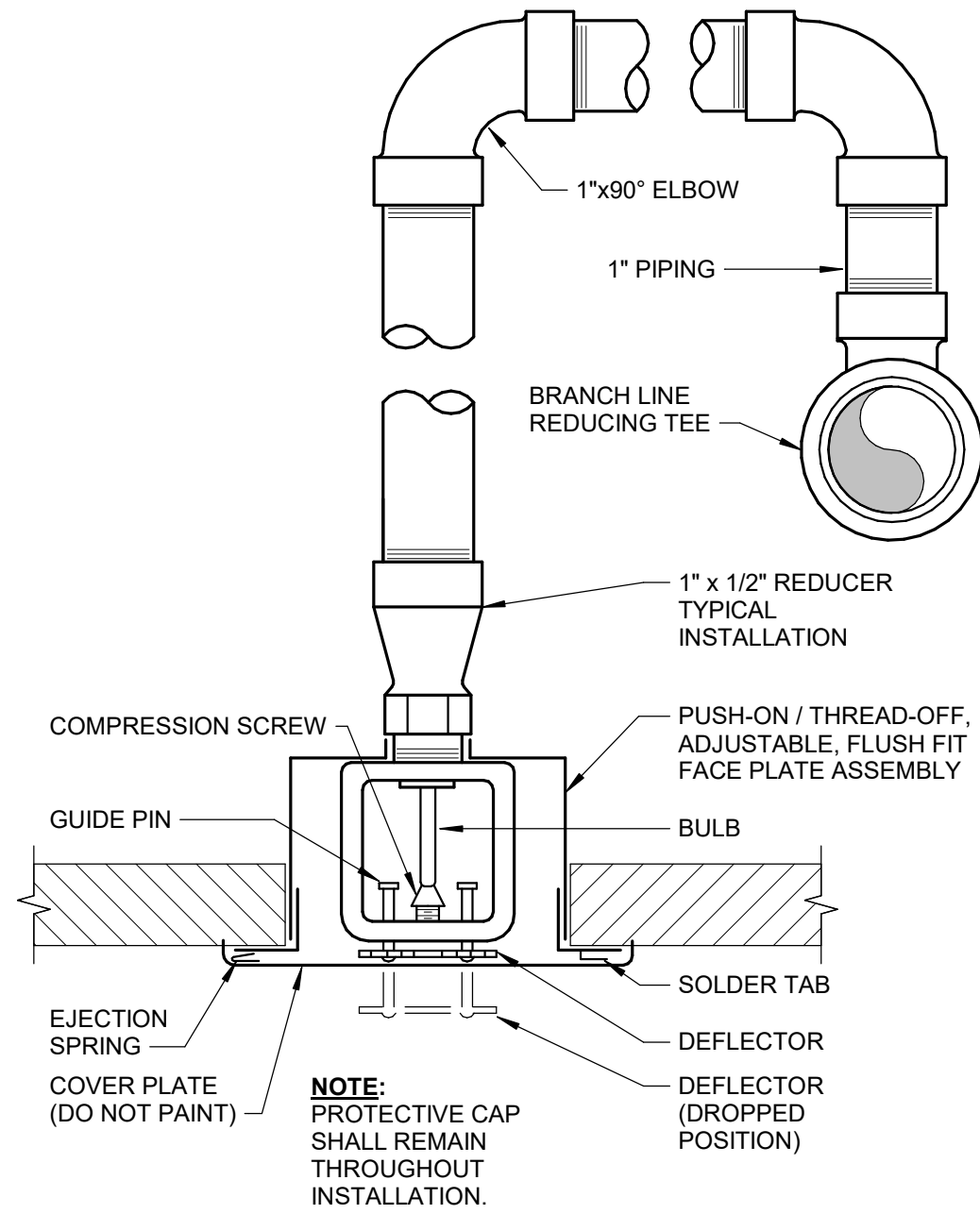
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PROJECT NO.: 0200707.00



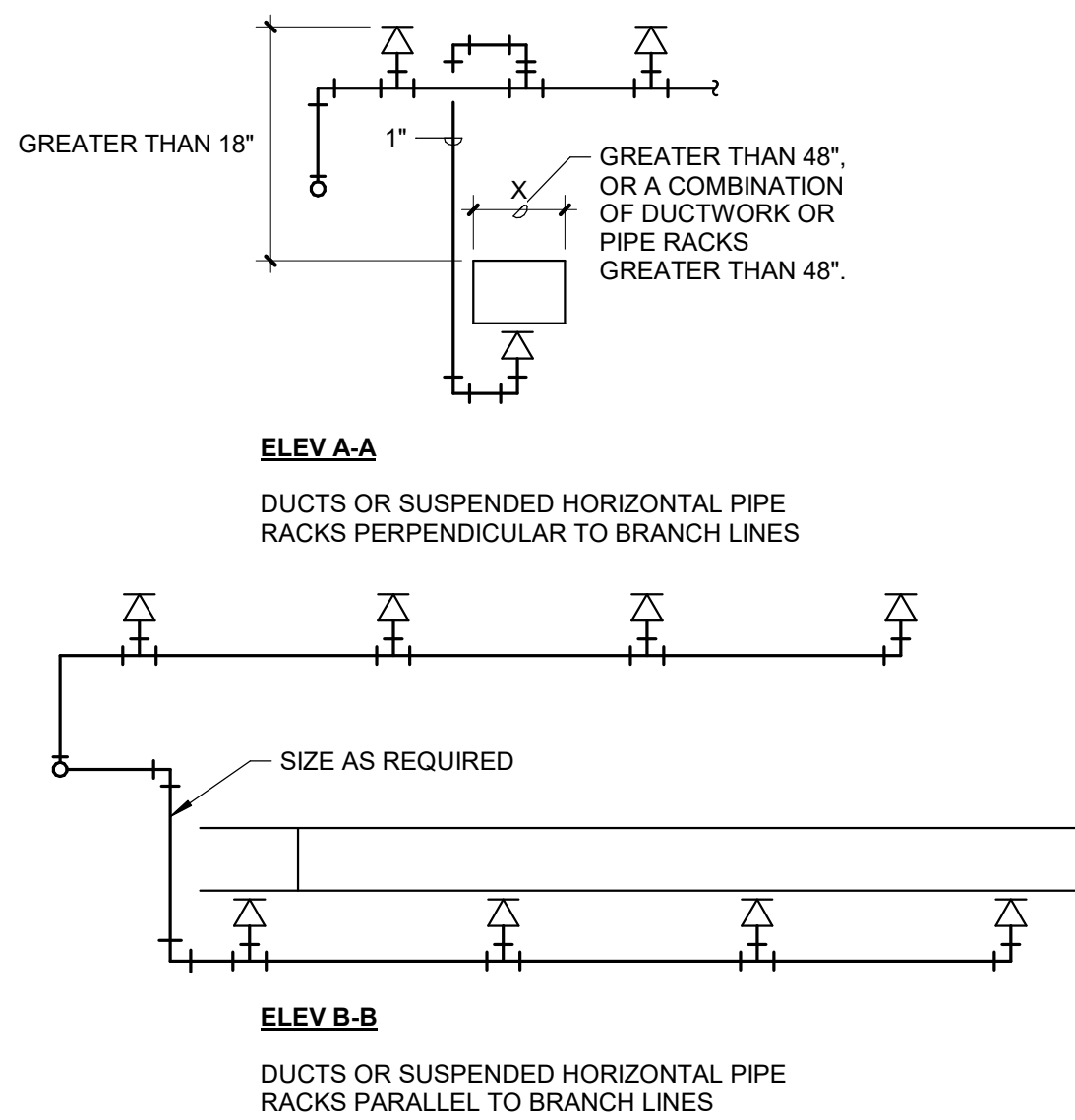
3 PIPING SUPPORTS

SCALE: No Scale



2 CONCEALED SPRINKLER HEAD

SCALE: No Scale



1 AUTOMATIC SPRINKLER HEAD UNDER DUCTS AND PIPE RACKS

SCALE: No Scale

SYMBOLS LEGEND AND ABBREVIATIONS

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

—FL—	FIRE LINE	EC	ELECTRICAL CONTRACTOR
○	UPRIGHT SPRINKLER HEAD	FPC	FIRE PROTECTION CONTRACTOR
◉	SEMI-RECESSED SPRINKLER HEAD	MC	MECHANICAL CONTRACTOR
⊗	CONCEALED SPRINKLER HEAD	PC	PLUMBING CONTRACTOR
●	PENDANT SPRINKLER HEAD	↺	BACKFLOW PREVENTER
◀	SIDEWALL SPRINKLER HEAD	↗	CHECK VALVE
▨	ORDINARY HAZARD GROUP 1 OCCUPANCY	↖	GATE VALVE
▩	ORDINARY HAZARD GROUP 2 OCCUPANCY	↗↖	TEST AND DRAIN ASSEMBLY
①	KEYNOTE	■TS	TAMPER SWITCH
②	DETAIL OR SECTION MARK	■FS	FLOW SWITCH
③	DETAIL #	↗↖	FIRE DEPARTMENT CONNECTION (FDC)
④	SHEET #	↗↖	POINT OF NEW CONNECTION
		↗↖	POINT OF TERMINATION/CAP

INFECTION CONTROL MEASURES

- CONTRACTOR SHALL COMPLY WITH THE OWNER'S INFECTION CONTROL RISK ASSESSMENT REQUIREMENTS AND WRITTEN DUST CONTROL PLAN.
- EXISTING AIR QUALITY REQUIREMENTS AND OTHER UTILITY REQUIREMENTS FOR OCCUPIED AREAS SHALL BE MAINTAINED.
- RENOVATION AREAS SHALL BE ISOLATED FROM OCCUPIED AREAS DURING CONSTRUCTION USING AIRTIGHT BARRIERS. PROVIDE EXHAUST AIRFLOW IN A MANNER THAT SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE. COORDINATE TEMPORARY BARRIERS WITH INTERIM LIFE SAFETY MEASURES.
- FIRE PROTECTION SYSTEM REVISIONS SHALL BE PROPERLY PERFORMED TO LIMIT WATERBOURNE OPPORTUNISTIC PATHOGENS.
- DOUBLE-BAGGING IS REQUIRED FOR CONSTRUCTION DEBRIS. COMPLY WITH OWNER'S DESIGNATED ROUTE FOR REMOVAL.
- CRUCIAL VENTILATION SPECIFICATIONS FOR AIR BALANCE AND FILTRATION SHALL BE VERIFIED BEFORE OWNER'S ACCEPTANCE.

BUILDING AND OCCUPANT SAFETY - INTERRUPTION OF FIRE PROTECTION SERVICE

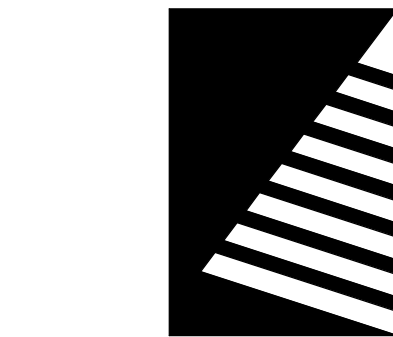
- DURING THE TIME THAT THE FIRE PROTECTION RENOVATION WORK IS BEING PERFORMED, AND THE FIRE PROTECTION SYSTEM IS DOWN AND OUT OF COMMISSION, THE FIRE PROTECTION CONTRACTOR SHALL HAVE SUFFICIENT PERSONNEL ONSITE TO KEEP A "FIRE WATCH" ON THE FACILITY.
- A FIRE PROTECTION WATCH IS IMPLEMENTED TO ENSURE THE FIRE SAFETY OF A BUILDING IN THE EVENT OF ANY ACT, OR SITUATION INSTIGATING AN INCREASED RISK TO PERSONS OR PROPERTY. THE TERM "FIRE WATCH" IS USED TO DESCRIBE A DEDICATED PERSON OR PERSONS WHO'S SOLE RESPONSIBILITY IS TO LOOK FOR FIRES WITHIN AN ESTABLISHED AREA.
- IN THE OPINION OF THE FIRE AND LIFE-SAFETY GROUP (FLS) OF FACTORY MUTUAL (FM), ANY REQUIRED FIRE PROTECTION SYSTEM THAT IS OUT OF SERVICE FOR MORE THAN 4 HOURS AND OCCUPIED IS REQUIRED TO ESTABLISH A FIRE WATCH. FOR THE PERSON OR PERSONS ASSIGNED TO THE FIRE WATCH, THIS MUST BE THEIR ONLY JOB DUTY DURING THE TIME PERIOD OF THE FIRE PROTECTION RENOVATION WORK.
- IN ADDITION THE BUILDING OWNER IS REQUIRED TO HAVE AN IMPAIRMENT COORDINATOR. THE OUT OF SERVICE EQUIPMENT MUST BE TAGGED "OUT OF SERVICE". AN OUT OF SERVICE TAG MUST BE PLACED AT THE FIRE ALARM PANEL AND THE FIRE DEPARTMENT CONNECTION (REFERENCE INTERNATIONAL FIRE CODE- CHAPTER 9, SECTION 901.7).
- FIRE WATCH PERSONNEL ARE TO KEEP WATCH FOR FIRES IN THE GENERAL AREA OF PERFORMANCE, THE PERSONS PERFORMING THE FIRE WATCH ARE NOT PERMITTED TO PERFORM ANY OTHER DUTIES.
- FIRE WATCH PERSONNEL ARE TO HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TO BE TRAINED IN ITS USE.
- THE QUANTITY OF PERSONNEL INVOLVED IN THE FIRE WATCH IS TO BE ADEQUATE SUCH THAT EACH FLOOR, LEVEL, AND ROOM OF THE FIRE AREA IS COVERED.
- IN GENERAL, A FIRE WATCH IS TO FULFILL THE INTENT OF NFPA-72 AS FOLLOWS: 1. NOTIFY OCCUPANTS TO EVACUATE WHEN THERE IS A FIRE IN THE BUILDING; 2. NOTIFY THE CENTRAL MONITORING STATION TO INITIATE EMERGENCY PERSONNEL RESPONSE; 3. ACTIVATE FIRE PROTECTION SYSTEMS IN ORDER TO RELEASE DOOR HOLDERS, CLOSE SMOKE DAMPERS, AND SHUT DOWN FANS.
- IF BUILDING OCCUPANTS ASSIST WITH FIRE WATCH DUTIES, THE PROCEDURES FOR CONTACTING EMERGENCY PERSONNEL AND EVACUATING THE BUILDING ARE TO BE DISTRIBUTED TO BUILDING OCCUPANTS. FOR PLANNED OUTAGES, THE PROCEDURES ARE TO BE SENT TO THE BUILDING OWNER FOR DISTRIBUTION.

GENERAL NOTES

DEMOLITION

- LOCATIONS SHOWN FOR EXISTING FIRE PROTECTION PIPE AND EQUIPMENT ARE APPROXIMATE. THE CONTRACTOR IS TO FIELD VERIFY THE EXACT LOCATIONS OF EXISTING FIRE PROTECTION LINES AND EQUIPMENT INCLUDING RISERS AND VALVES PRIOR TO THE START OF WORK.
 - COORDINATE WITH OWNER FOR ANY SHUTDOWNS OR PLANNED INTERRUPTIONS OF THE FIRE PROTECTION SERVICE. THE CONTRACTOR SHALL GIVE THE OWNER THREE (3) DAYS NOTICE PRIOR TO THE PLANNED SHUTDOWN OR INTERRUPTION.
 - COORDINATE DEMOLITION OF FIRE PROTECTION PIPING WITH OTHER PIPING WHICH IS NOT TO BE REMOVED. PROTECT OTHER PIPING WHICH IS NOT TO BE REMOVED FROM DAMAGE, DIRT, AND DEBRIS.
 - ALL FIRE PROTECTION RELATED EQUIPMENT AND PIPING WHICH IS REMOVED FROM THE BUILDING IS TO BE TAKEN OFFSITE AND DISPOSED OF.
- ### GENERAL NOTES
- THE FIRE PROTECTION CONTRACTOR SHOULD USE NFPA-13 (CURRENT EDITION), "PLANS AND CALCULATIONS" AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM.
 - THE FIRE PROTECTION CONTRACTOR SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE (LATEST ADOPTED EDITION). INSTALLATION SHALL MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULE WHICH INDICATE CEILING HEIGHTS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN FOR PROPOSED LOCATION OF SPRINKLER HEADS IN AREAS WITH CEILINGS. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS REQUIRED BY IFC, NFPA AND AUTHORITY HAVING JURISDICTION REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
 - THIS FACILITY SHALL BE A TOTALLY SPRINKLERED BUILDING. FIRE SUPPRESSION SYSTEM SHALL BE WET/DRY PIPE TYPE SYSTEM WITH COMPLETE SPRINKLER PROTECTION UNLESS NOTED OTHERWISE. SYSTEM TO BE DESIGNED AS REQUIRED BY IFC, NFPA, AND AUTHORITY HAVING JURISDICTION REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
 - SPRINKLER HEAD LAYOUTS INDICATED ARE BASED ON OCCUPANCY HAZARD CLASSIFICATIONS OUTLINED IN NFPA-13 STANDARDS. GENERALLY, PUBLIC / OFFICE AREAS ARE BASED ON "LIGHT HAZARD", AND STORAGE / MECHANICAL AREAS ARE BASED ON "ORDINARY HAZARD". EXTENDED COVERAGE DISTRIBUTION IS NOT INDICATED, BUT MAY BE UTILIZED WHERE SPACE MEETS REQUIREMENTS SET FORTH IN NFPA-13.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO HYDRAULICALLY CALCULATE SPRINKLER REQUIREMENTS PER THE APPROPRIATE HAZARD OCCUPANCY AND PROVIDE ACTUAL NUMBER OF HEADS, REQUIRED SPACING AND PIPE ROUTING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS AND OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH IFC, NFPA AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
 - FIRE PROTECTION CONTRACTOR SHOULD OBTAIN FLOW TEST DATA INDICATING THE WATER FLOW AND PRESSURE AVAILABLE TO THE FACILITY OR MAKE ARRANGEMENTS TO HAVE A FLOW TEST PERFORMED. FIRE PROTECTION CONTRACTOR TO INCLUDE IN THEIR BID, ALL COSTS ASSOCIATED WITH FLOW TEST. SUBMIT HYDRAULIC CALCULATIONS AND PLANS RELATED TO A MINIMUM OF 1 REMOTE AREA FOR REVIEW.
 - PIPING IS SHOWN IN SCHEMATIC FORM TO INDICATE APPROXIMATE ARRANGEMENT OF EQUIPMENT AND PIPING. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.
 - REFER TO SPECIFICATION SECTIONS IN DIVISION 21 FOR ADDITIONAL INFORMATION PERTAINING TO THE FIRE PROTECTION SYSTEM.
 - SUPPORT ALL NEW PIPING AND EQUIPMENT FROM STRUCTURE ABOVE AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE DESIGN OF SUPPLEMENTAL STEEL AND SUPPORTS INCLUDING REACTION LOADS AT PRIMARY BUILDING STRUCTURAL MEMBERS.
 - PROVIDE SPRINKLER HEADS IN CONCEALED LOCATIONS PER NFPA REQUIREMENTS.
 - DURING CONSTRUCTION PROCEDURES, THE ENTIRE WORK AREA SHALL BE CLEAN OF ALL DUST, DIRT, AND OTHER DEBRIS BEFORE APPLICATION OF ANY NEW MATERIALS.
 - THESE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK AND ARE NOT INTENDED TO SHOW OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF CONTRACT DOCUMENTS.
 - PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.
 - INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION, AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO NO ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.
 - PROMPTLY INFORM THE ENGINEER, IN WRITING, OF ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES, MUNICIPALITIES, STATE OR FEDERAL LAWS AND REGULATIONS. PERFORM WORK IN ACCORDANCE WITH SUCH REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 - FIRE PROTECTION CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DRAWINGS, HYDRAULIC CALCULATIONS, CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES PREPARED BY OR UNDER THE SUPERVISION OF, AND SEALED BY A PROFESSIONAL ENGINEER. THE SUBMITTAL SHALL BE SENT TO ALL AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL. SYSTEM SHALL ALSO BE IN COMPLIANCE WITH ALL REQUIRED PLUMBING CODES.
 - ALL EXPENSES CARRIED BY THE A/E IN TROUBLESHOOTING SYSTEM(S) PROBLEMS CAUSED BY INADEQUATE WORKMANSHIP, LACK OF TECHNICAL EXPERTISE OR OTHER FORMS OF POOR PERFORMANCE ON THE PART OF A CONTRACTOR, SHALL BE BORN BY THAT CONTRACTOR.
 - PROVIDE FIRE STOP / SEALANT AT ALL PIPE PENETRATIONS THROUGHOUT FIRE RATED WALLS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING AND INDICATE FIRE-RATED PENETRATION LOCATIONS ON SPRINKLER LAYOUT SUBMITTAL.
 - ELECTRONIC FLOW AND TAMPER SWITCHES ARE TO BE PURCHASED AND INSTALLED BY SPRINKLER CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
 - WATER SERVICE AND DETECTOR TYPE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER TO BE PROVIDED, INSTALLED AND TESTED BY PLUMBING CONTRACTOR. SPRINKLER CONTRACTOR IS TO INCORPORATE ASSOCIATED PRESSURE DROP OF SELECTED BACKFLOW PREVENTER DEVICE IN HYDRAULIC CALCULATIONS.
 - FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL ARMOVER SUPPORTS FOR ALL END OF LINE BRANCH LINES PER NFPA-13, SECTION: 9.2.3.4. REFER TO A.9.2.3.4.3(B) FOR ACCEPTABLE.
 - ALL DROPS TO SPRINKLER HEADS SHALL TEE / ELBOW OFF TOP OF BRANCH PIPE, EXCEPT WHERE STRUCTURAL, ARCHITECTURAL OR MECHANICAL EQUIPMENT CONDITIONS PRECLUDE CONVENTIONAL INSTALLATION.
 - SPRINKLER HEADS SHALL BE IN A SYMMETRICAL PATTERN, NOT NECESSARILY IN THE CENTER OF ROOMS, CORRIDORS OR CEILING TILE.
 - THE FIRE PROTECTION CONTRACTOR SHALL LOCATE THE INSPECTOR'S TEST CONNECTION AND MAIN DRAIN LOCATIONS IN ACCORDANCE WITH NFPA-13.

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Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:

Bid Set
01/15/2021

PROJECT:
Crawford Memorial Hospital

**CMH - Ortho Clinic
Addition and
Renovation**

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: E.J.G

DRAWN: C.J.A

REVIEWED: R.R.O

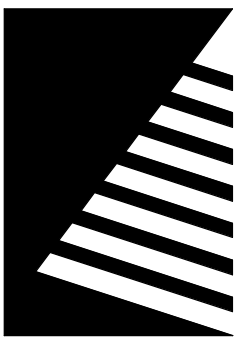
SHEET TITLE:

**GENERAL
INFORMATION**

SHEET NUMBER:

F0.1

PROJECT NO.: 0200707.00



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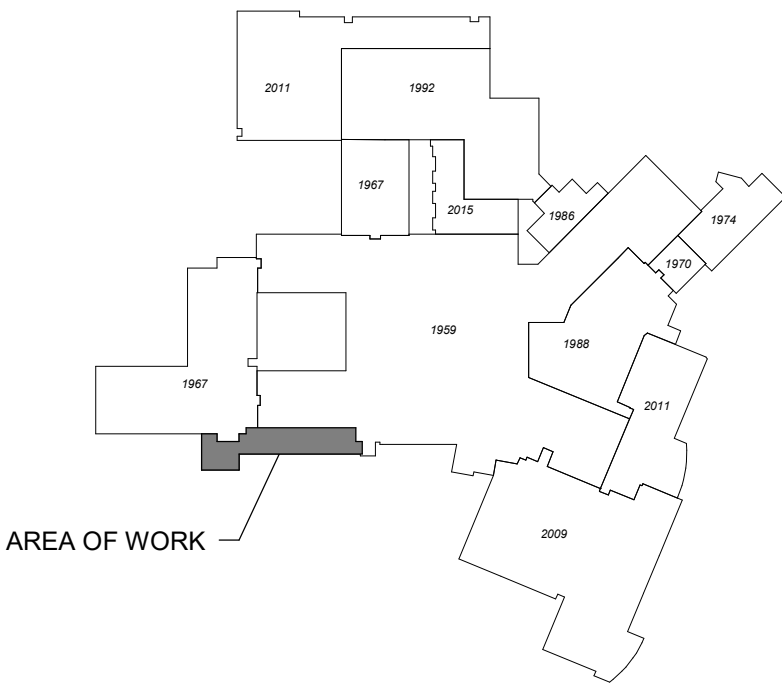
SHEET TITLE:
FIRST FLOOR FIRE
PROTECTION
DEMOLITION PLAN

SHEET NUMBER:

FD1.1

PROJECT NO.: 0200707.00

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY". AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTERS 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.



KEY PLAN

SCALE: NOT TO SCALE



EXTENT OF FIRE
PROTECTION
DEMOLITION WORK

DISCONNECT AND REMOVE
SPRINKLER HEADS AND REMOVE
SPRINKLER PIPING AS NECESSARY.
CAP ANY OPEN ENDS OF PIPE.

EXTENT OF FIRE
PROTECTION
DEMOLITION WORK

EXTENT OF FIRE
PROTECTION
DEMOLITION WORK

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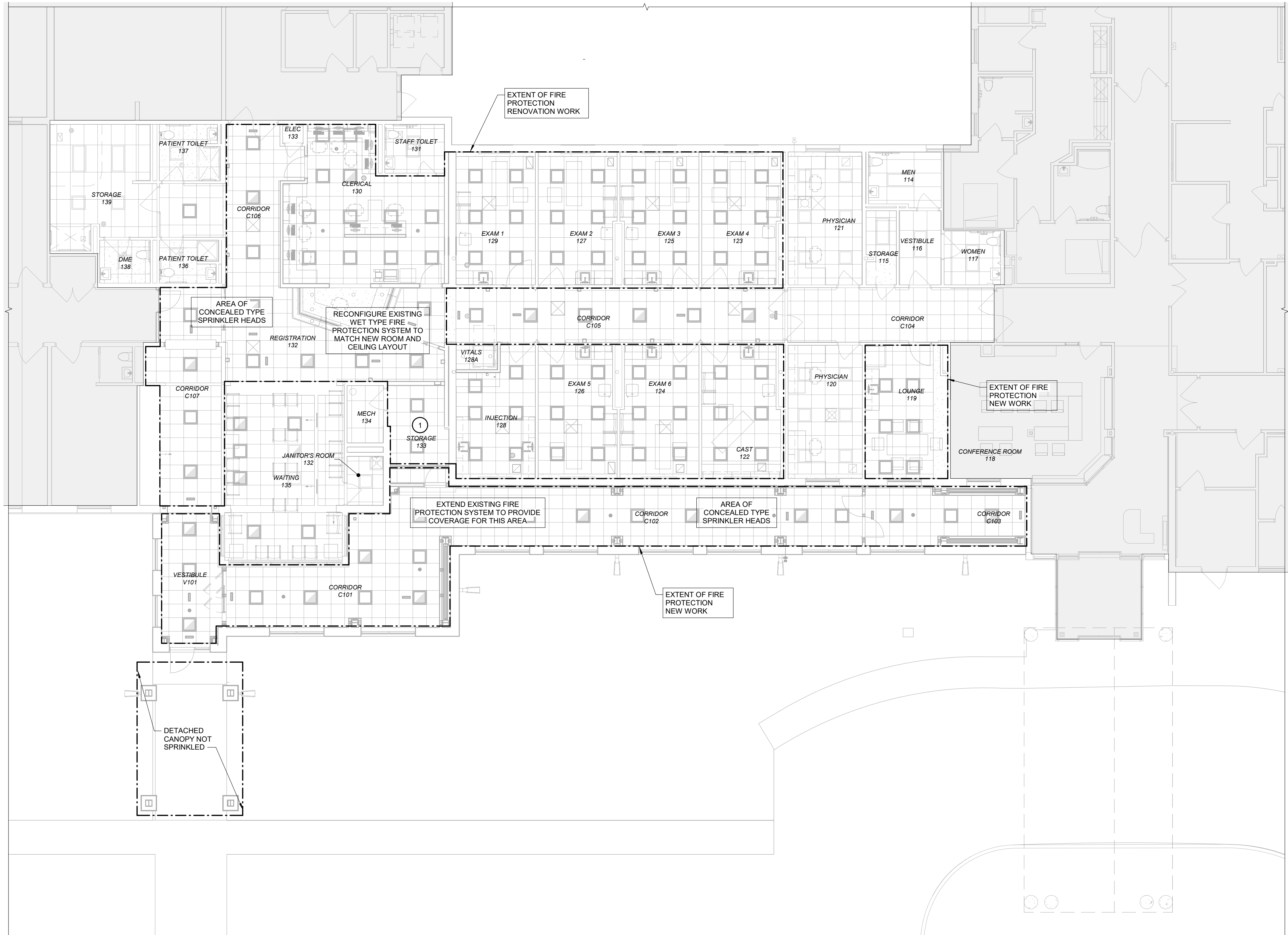
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FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

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

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1 FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"



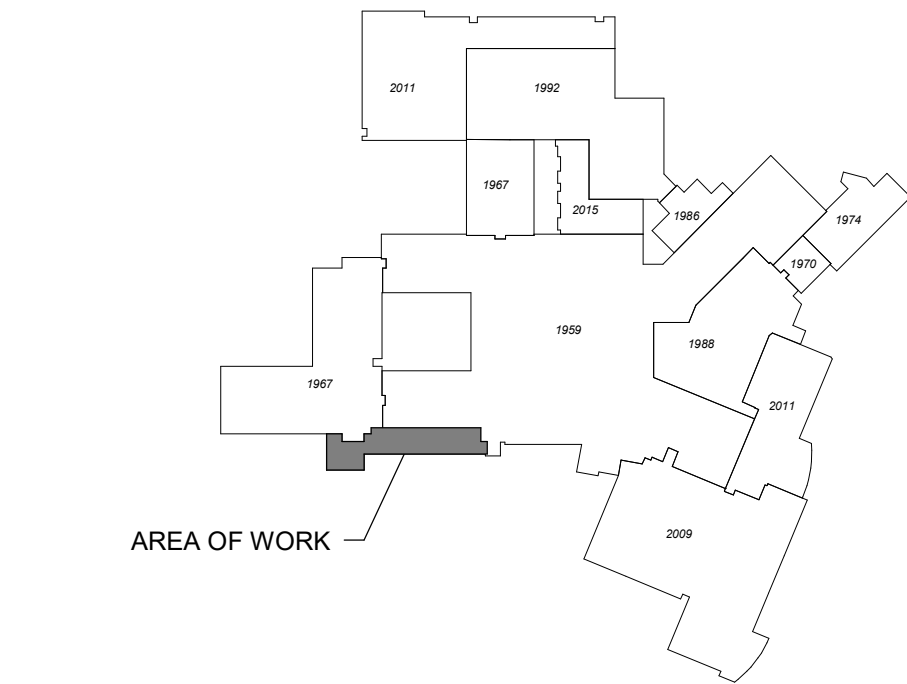
GENERAL NOTES

A. ALL AREAS ARE LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE NOTED.

KEYNOTES #

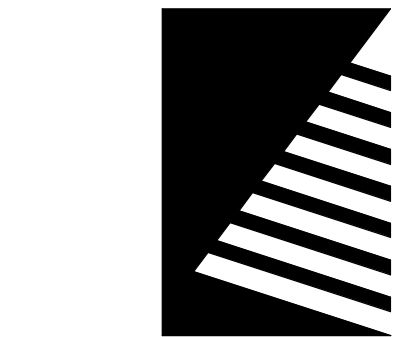
1 AREA OF ORDINARY HAZARD, GROUP 1 OCCUPANCY.

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KEY PLAN

SCALE: NOT TO SCALE



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FIRST FLOOR FIRE
PROTECTION PLAN

SHEET NUMBER:

F1.1

PROJECT NO.: 0200707.00

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

PIPING			GENERAL		
	PIPE SLOPE ARROW			DETAIL OR SECTION MARK	
	FLOW ARROW			DETAIL #	
	CONCENTRIC REDUCER			SHEET #	
	ECCENTRIC REDUCER			POINT OF NEW CONNECTION	
	3-WAY CONTROL VALVE			POINT OF TERMINATION/CAP	
	ANGLE GATE VALVE			PLUMBING EQUIPMENT DESIGNATION	
	ANGLE GLOBE VALVE			PLUMBING KEYNOTE	
	BALANCING/SHUTOFF VALVE			KITCHEN EQUIPMENT DESIGNATION	
	BALL VALVE			BOLD TEXT INDICATES NEW ITEM	
	BUTTERFLY VALVE			ITALIC TEXT INDICATES EXISTING ITEM	
	CALIBRATED BALANCING VALVE			LINE STYLE INDICATES DEMOLISHED ITEM	
	CHECK VALVE				
	CONTROL VALVE				
	EXPANSION VALVE				
	GAS COCK				
	GATE VALVE				
	GLOBE VALVE				
	PLUG VALVE				
	PRESSURE REDUCING VALVE (WATER)				
	PRESSURE REGULATOR (GAS)				
	QUICK OPEN VALVE				
	SAFETY RELIEF VALVE				
	SOLENOID VALVE				
	VACUUM RELIEF VALVE				
	BACKFLOW PREVENTER				
	HOSE BIBB / SILLCOCK				
	AUTOMATIC AIR VENT				
	PRESSURE GAUGE				
	THERMOMETER				
	FLOW SWITCH				
	PRESSURE SWITCH				
	TEMPERATURE SWITCH				
	PIPE UNION				
	WYE STRAINER				
	WYE STRAINER W/DRAIN VALVE				
	PUMP				
	FLOOR DRAIN - ROUND OR SQUARE				
	FLOOR CLEANOUT - ROUND OR SQUARE				
	SUSPENDE CLEANOUT				
	WALL CLEANOUT				
	PIPE CAP				
	PIPE TURNING DOWN				
	PIPE TURNING UP				
	TEE UP				
	TEE DOWN				
	DROP AND RUN				
	DROP AND TURN				
	TEE OFF TOP				
	TEE OFF BOTTOM				
	CROSS AND RISER				
	PLAN 90° ELBOW				
	PIPE TEE				
	FLEXIBLE PIPE CONNECTOR				
	PIPE ANCHOR				
	PIPE GUIDES				
	WATER METER				

PIPING SYSTEM

AW	ACID WASTE
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CO2	CARBON DIOXIDE
G	NATURAL GAS
GW	GREASE WASTE
MA	MEDICAL AIR
N2	NITROGEN
N2O	NITROUS OXIDE
OST	OVERFLOW STORM
OW	OIL WASTE
O2	OXYGEN
PD	PUMP DISCHARGE
ST	STORM
VAC	VACUUM
WAGD	WASTE ANESTHETIC GAS DISPOSAL
W	SANITARY WASTE
AV	ACID VENT
OV	OIL VENT
V	SANITARY VENT
CW	DOMESTIC COLD WATER
DI	DE-IONIZED WATER
FCW	FILTERED COLD WATER
LOW	LAB COLD WATER
NPCW	NONPOTABLE COLD WATER
RO	REVERSE OSMOSIS WATER
SCW	SOFTENED COLD WATER
HW	DOMESTIC HOT WATER
HW (---)	DOMESTIC HOT WATER (OTHER TEMP)
LHW	LAB HOT WATER
TW	TEPID WATER
HWC	DOMESTIC HW RECIRCULATION
LHWC	LAB HW RECIRCULATION

ABBREVIATIONS

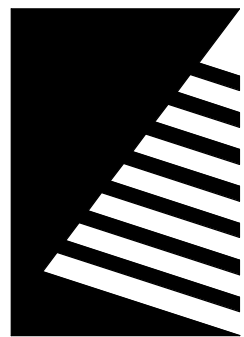
AC	ABOVE CEILING
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BF	BELOW FLOOR
BG	BELOW GRADE
BH	BOOSTER HEATER
BFP	BACKFLOW PREVENTION DEVICE
BJ	BETWEEN JOISTS
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CF	COMBINATION FIXTURE
COND	CONDENSATE
CP	CONDENSATE PUMP
CSS	CLINICAL SERVICE SINK
CV	CONTROL VALVE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT NOZZLE
DW	DISHWASHER
EC	ELECTRICAL CONTRACTOR
EEW	EMERGENCY EYE WASH
ESH	COMB. EMERGENCY EYE WASH/SHOWER
ET	EXPANSION TANK
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
FA	FROM ABOVE
FB	FROM BELOW
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FPC	FIRE PROTECTION SUBCONTRACTOR
FS	FLOOR SINK
FT	FILL TANK
GD	GARBAGE DISPOSAL
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
GC	GENERAL CONTRACTOR
HAP	HIGH AS POSSIBLE
HB	HOSE BIBB (INTERIOR)
HS	HOSE STATION
HWCP	HOT WATER RECIRCULATION PUMP
IM	ICE MAKER
L	LAVATORY
LT	LAUNDRY TUB
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MSB	MOP SINK BASIN
NTS	NOT TO SCALE
ORD	OVERFLOW ROOF DRAIN
P	PUMP
PC	PLUMBING CONTRACTOR
PRV	PRESSURE RELIEF VALVE
RD	ROOF DRAIN
SC	SILLCOCK (EXTERIOR)
SE	SEWAGE EJECTOR
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SP	SUMP PUMP
SS	SERVICE SINK
TFA	TO FLOOR ABOVE
TB	TO BELOW
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
UR	URINAL
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WFL	WATER FILTER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

GENERAL NOTES

- COMMON REQUIREMENTS**
- A. WORK SHALL BE PERFORMED BY A LICENSED PLUMBER OF THE STATE OF ILLINOIS.
- B. MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. APPLICABLE CODES AND STANDARDS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
"2014 ILLINOIS STATE PLUMBING CODE"
"INTERNATIONAL PLUMBING CODE"
"INTERNATIONAL FUEL GAS CODE"
"NFPA 54 - NATIONAL FUEL GAS CODE"
APPLICABLE LOCAL AND MUNICIPAL CODES AND ORDINANCES.
- C. MEANING AND INTENT OF DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND PLUMBING SYSTEMS ARE SHOWN IN SCHEMATIC FORM. DRAWINGS DO NOT SHOW EVERY PLUMBING SYSTEM COMPONENT AND SHOULD BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT. PLUMBING SYSTEM INSTALLATIONS RELATED TO THIS PROJECT SHALL BE PROVIDED TO MEET THE INTENT AND MEANING OF THE DRAWINGS IN COMPLIANCE WITH APPLICABLE CODES, AND STANDARDS. WHERE APPLICABLE THE PLUMBING CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION. REPORT ANY QUESTIONS, OR CONCERNS TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. MINOR CHANGES IN LOCATIONS OF PLUMBING EQUIPMENT, &/OR SYSTEMS FROM THOSE INDICATED ON DRAWINGS SHALL BE MADE WITHOUT EXTRA COST. A COMPLETE AND OPERATIONAL PLUMBING SYSTEM SHALL BE PROVIDED.
- D. THE PLUMBING CONTRACTOR SHALL REFER TO BOTH DRAWINGS AND SPECIFICATIONS FOR ALL PLUMBING CRITERIA REQUIRED FOR THIS PROJECT.
- E. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL PLUMBING UTILITY SERVICES FROM 5'-0" OUTSIDE BUILDING FOUNDATION WALL TO WITHIN THE BUILDING UNLESS NOTED OTHERWISE ON PLANS. SEE SITE UTILITY PLANS FOR RELATED SITE UTILITY WORK BY OTHERS.
- F. COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES AND STRUCTURAL CONDITIONS TO AVOID ANY ROUTING CONFLICTS OR SERVICE INTERFERENCES.
- G. MAINTAIN A MINIMUM CLEARANCE IN FRONT OF AND FROM EITHER SIDE OF ELECTRICAL PANELS, EQUIPMENT, ETC., AS OUTLINED IN NEC STANDARDS. PIPE SYSTEMS SHALL NOT BE ROUTED DIRECTLY OVER PANELS, EQUIPMENT, ETC.
- H. INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO THAT NO UNEXPECTED ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.
- I. ALL CLEANOUTS, VALVES, WATER HAMMER ARRESTORS, ETC. ARE TO BE ACCESSIBLE. EXTEND PIPING AND COORDINATE ACCESS PANEL SIZE AND LOCATION AS NECESSARY.
- J. PLUMBING CONTRACTOR SHALL CLEAN WORK AREA OF ALL DUST AND DEBRIS GENERATED BY THEIR WORK AT THE END OF EACH WORK DAY.
- K. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN A LOCATION AND ORIENTATION THAT WILL PERMIT INTENDED USE.
- L. PROVIDE STOPS AND/OR ISOLATION VALVES TO EACH INDIVIDUAL FIXTURE, FIXTURE GROUP OR PIECE OF EQUIPMENT PER APPLICABLE CODES TO ALLOW FOR INDIVIDUAL SERVICING UNLESS NOTED OTHERWISE ON PLANS.
- M. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.
- N. INDIRECT DRAIN PIPING FROM FIXTURES, SPECIALTIES, AND EQUIPMENT SHALL BE ROUTED TO FLOOR DRAIN OR OTHER APPROVED RECEPACLE AND TERMINATED WITH AN AIR GAP 2 TIMES THE DIAMETER OF THE DRAIN PIPING, BUT NOT LESS THAN 1 INCH GAP. SUPPORT PIPING SO DRAIN PIPING CANNOT BE DEFLECTED FROM DRAIN SOURCE.
- O. ALL VENTS FROM HORIZONTAL SOIL OR WASTE PIPE SHALL COME OFF TOP OR AT 45 DEGREE VERTICALLY FROM CENTER OF PIPE BEFORE OFFSETTING HORIZONTALLY TO RISER.
- P. ALL VENT TERMINATIONS SHALL BE COORDINATED WITH BUILDING OPENINGS, AIR INTAKES AND AIR EXHAUST OPENINGS. ADJUST VENT THROUGH ROOF LOCATIONS TO COMPLY WITH APPLICABLE CODE.
- Q. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL HANGERS AND SUPPORTS ARE SECURELY ANCHORED OR ATTACHED TO BUILDING ELEMENTS ADEQUATE FOR INTENDED PLUMBING SYSTEM OR EQUIPMENT.
- R. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF NAILING SURFACE TO PROTECT PIPE FROM NAILS OR DRYWALL SCREWS.
- S. PLUMBING CONTRACTOR SHALL PROVIDE APPROVED WATER HAMMER ARRESTORS IN WATER LINES SERVING QUICK-CLOSING VALVES, BATTERIED, OR BACK TO BACK FIXTURES WITH INDIVIDUAL ISOLATION VALVES.
- T. ALL NEWLY INSTALLED CIRCULATED HOT WATER SHALL BE WITHIN THE MAXIMUM ALLOWABLE PIPE LENGTH TO TERMINATE AT EACH FIXTURE, OR APPLIANCE AS OUTLINED IN THE INTERNATIONAL ENERGY CONSERVATION CODE. SPECIAL ATTENTION SHOULD BE PAID TO PUBLIC LAVATORIES WHERE MAXIMUM PIPE LENGTHS ARE LIMITED. REFER TO PLUMBING PLANS AND DETAILS FOR CLARIFICATION.
- U. ALL P-TRAPS FOR FLOOR DRAINS AND FLOOR SINKS SHALL BE DEEP SEAL TYPE. TRAPS SHALL MAINTAIN THE SEWER GAS SEALS BY MEANS OF A PRIMING DEVICE DESIGNED FOR SUCH PURPOSES OR BY OTHER METHODS AS ACCEPTABLE BY CODE AND AHJ.
- V. PLUMBING CONTRACTOR TO INSTALL, TEST, AND FIELD BALANCE APPROVED EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
- W. PROVIDE INSULATION FOR THE PLUMBING PIPING SYSTEMS DESCRIBED IN THESE DRAWINGS AS PER THE IPC AND THE IECC.
- X. PLASTIC PIPING SHALL NOT BE ALLOWED IN ANY CAVITY THAT CAN BE USED AS AN AIR TRANSFER PLENUM.

DEMOLITION

- A. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL PLUMBING FIXTURES, PIPING, EQUIPMENT, AND ASSOCIATED APPURTENANCES. NO PERSON OTHER THAN A LICENSED PLUMBER SHALL REMOVE PLUMBING ITEMS FROM THEIR ORIGINAL LOCATION.
- B. SHUTDOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO LIMIT INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL, THE PROPOSED PHASING PLAN FOR SHUTDOWN OF EXISTING SERVICES.
- C. CONTRACTOR SHALL COMPLY WITH GENERAL CONDITIONS AND PROTECTION PROVISIONS SPECIFIED FOR JOINT OWNER/CONTRACTOR OCCUPANCY WORK AREAS.
- D. CONTRACTOR SHALL PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. ANY UTILITIES AND SERVICES DAMAGED SHALL BE REPAIRED AT NO EXPENSE TO OWNER.
- E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO TEMPORARILY MOVING OR TAKING EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.
- F. WHERE APPLICABLE, THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE OWNER AND GENERAL TRADE FOR ANY WALL AND CEILING OPENINGS IN WHICH PLUMBING WORK IS TO BE PERFORMED. GENERAL TRADE SHALL BE RESPONSIBLE FOR PATCHING SUCH WALL AND CEILING OPENINGS TO MATCH EXISTING ONCE PLUMBING INSTALLATION HAS BEEN COMPLETED. WHERE PLUMBING CONTRACTOR IS PRIME, THEY WILL BE RESPONSIBLE FOR ARRANGING ALL WORK DESCRIBED ABOVE AND INCLUDE RELATED COST IN BID.
- G. WHERE APPLICABLE THE PLUMBING CONTRACTOR SHALL DEMARCAT E EXISTING CONCRETE FLOOR AREAS FOR SAW CUT AND REMOVAL BY GENERAL TRADE. PLUMBING CONTRACTOR SHALL PROVIDE ALL EXCAVATION AND BACKFILL REQUIRED FOR INSTALLATION OF SYSTEM PIPING AND SPECIALTIES. GENERAL TRADE WILL BE RESPONSIBLE FOR PATCHING FLOOR AREAS FLUSH TO MATCH WITH EXISTING FLOOR ONCE PLUMBING INSTALLATION HAS BEEN COMPLETED. WHERE PLUMBING CONTRACTOR IS PRIME, THEY WILL BE RESPONSIBLE FOR ARRANGING ALL WORK DESCRIBED ABOVE AND INCLUDE RELATED COST IN BID.



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01/15/2021

PROJECT:

Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: E.J.G

DRAWN: C.JA

REVIEWED: RRO

SHEET TITLE:

GENERAL
INFORMATION

SHEET NUMBER:

P0.1

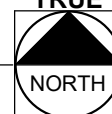
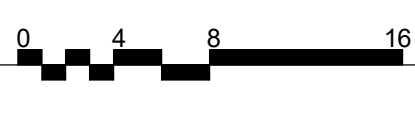
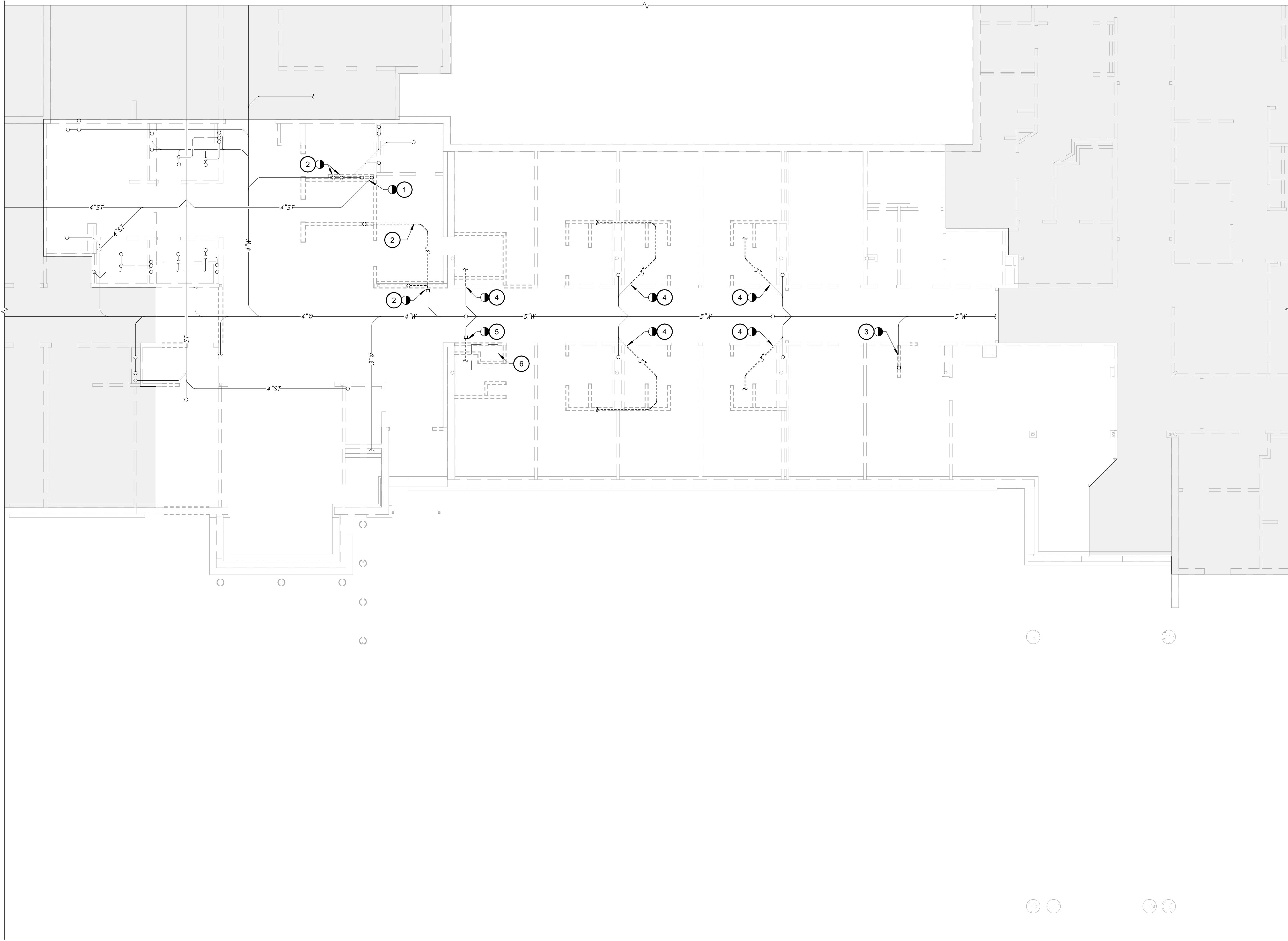
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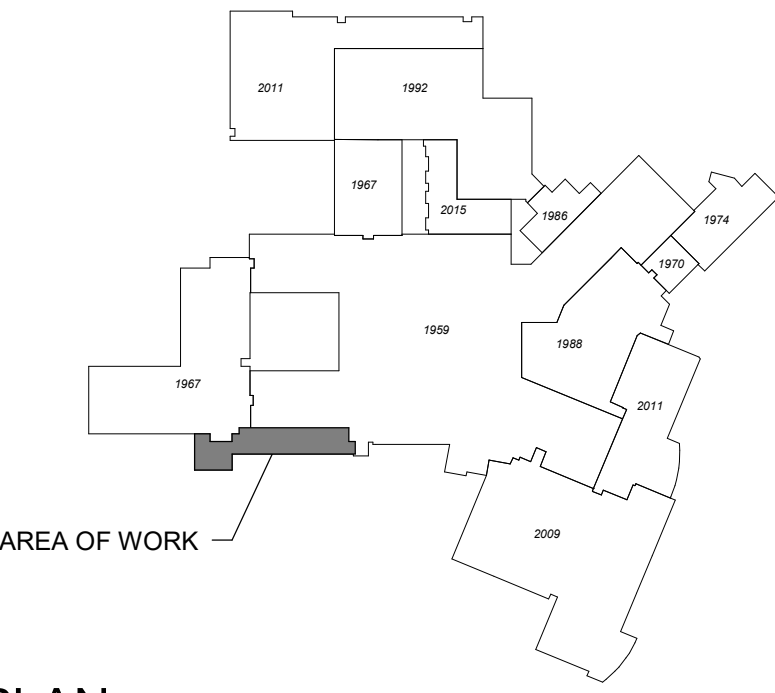
UNDERSLAB PLUMBING DEMOLITION PLAN

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



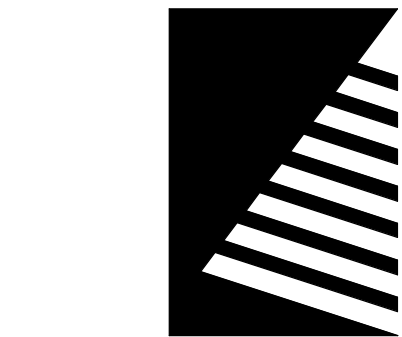
KEY PLAN

SCALE: NOT TO SCALE



KEYNOTES #

- 1 DISCONNECT AND REMOVE STORM PIPING AS INDICATED AND TEMPORARILY CAP FOR EXTENSION UNDER NEW WORK.
- 2 DISCONNECT AND REMOVE WASTE PIPING FROM SINKS AND PERMANENTLY CAP WASTE BELOW FLOOR.
- 3 DISCONNECT AND REMOVE WASTE PIPING FROM SINK AND TEMPORARILY CAP FOR EXTENSION UNDER NEW WORK.
- 4 DISCONNECT AND REMOVE WASTE FROM RESTROOM AND TEMPORARILY CAP FOR EXTENSION UNDER NEW WORK.
- 5 DISCONNECT AND REMOVE WASTE FROM RESTROOM AND PERMANENTLY CAP WASTE BELOW FLOOR.
- 6 COORDINATE ANY CONCRETE WORK IN THIS AREA WITH GC FOR INSTALLATION OF FOUNDATION FOR NEW FLOOR SCALE.



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SHEET TITLE:

UNDERSLAB
PLUMBING
DEMOLITION PLAN

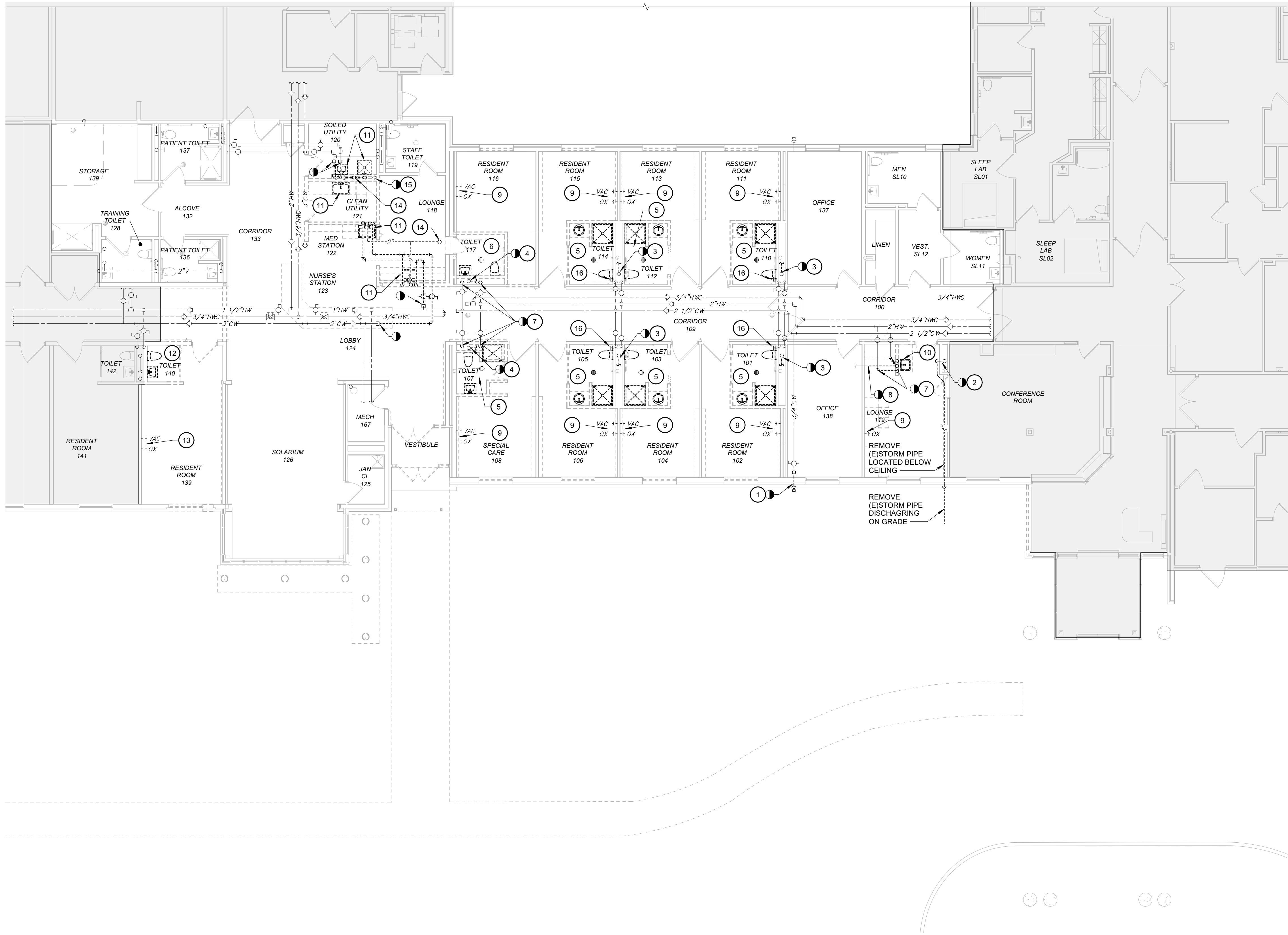
SHEET NUMBER:

PD1.0

PROJECT NO.: 0200707.00

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

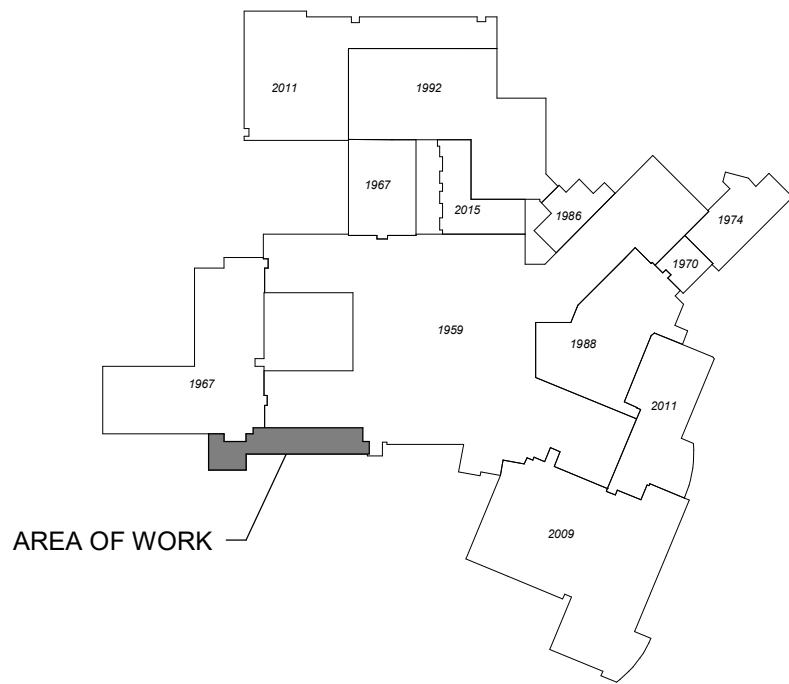


KEYNOTES #

- 1 DISCONNECT AND REMOVE SILLCOCK. TEMPORARILY CAP WATER PIPING FOR EXTENSION UNDER NEW WORK.
- 2 DISCONNECT AND REMOVE STORM PIPING FROM ROOF DRAIN AND TEMPORARILY CAP FOR EXTENSION UNDER NEW WORK.
- 3 DISCONNECT AND REMOVE ALL WASTE, VENT, AND WATER PIPING FROM TOILET ROOM FIXTURES. 4" WASTE AND VENT STACK AND WATER SUPPLIES TO CHASE ARE TO REMAIN.
- 4 DISCONNECT AND REMOVE ALL WASTE, VENT, AND WATER PIPING FROM TOILET ROOM FIXTURES. TEMPORARILY CAP VTR ABOVE CEILING FOR EXTENSION UNDER NEW WORK.
- 5 DISCONNECT AND REMOVE LAVATORY, SHOWER, WATER CLOSET, AND FLOOR DRAIN AND ALL ASSOCIATED PIPING AND PATCH FLOOR TO MATCH EXISTING.
- 6 DISCONNECT AND REMOVE LAVATORY, WATER CLOSET, AND FLOOR DRAIN AND ALL ASSOCIATED PIPING AND PATCH FLOOR TO MATCH EXISTING.
- 7 TEMPORARILY CAP HOT AND COLD WATER PIPING FOR EXTENSION UNDER NEW WORK.
- 8 TEMPORARILY CAP VENT PIPING FOR EXTENSION UNDER NEW WORK.
- 9 REMOVE MEDICAL GAS OUTLET(S) AND PERMANENTLY CAP PIPING IN THE WALL. PATCH WALL TO MATCH EXISTING. ASSOCIATED AREA ALARM PANEL AND MEDICAL GAS ZONE VALVE BOXES TO BE DISCONNECTED AND REMOVED BY OTHERS.
- 10 DISCONNECT AND REMOVE SINK AND ASSOCIATED WASTE, VENT, AND WATER PIPING.
- 11 DISCONNECT AND REMOVE SINK AND ASSOCIATED WASTE, VENT, AND WATER PIPING BACK TO LAST ACTIVE SERVICE AND PERMANENTLY CAP.
- 12 DISCONNECT AND REMOVE LAVATORY AND WATER CLOSET AND ALL ASSOCIATED PIPING AND PATCH FLOOR TO MATCH EXISTING.
- 13 REMOVE MEDICAL GAS OUTLET(S) AND ASSOCIATED PIPING TO ABOVE CEILING AND PERMANENTLY CAP. ASSOCIATED AREA ALARM PANEL AND MEDICAL GAS ZONE VALVE BOXES TO BE DISCONNECTED AND REMOVED BY OTHERS.
- 14 DISCONNECT AND REMOVE ALL VENT PIPING CONNECTED TO VTR. PERMANENTLY CAP VTR ABOVE AND BELOW ROOF.
- 15 DISCONNECT AND REMOVE STORM PIPING FROM ROOF DRAIN DOWN TO BELOW THE FLOOR AND TEMPORARILY CAP FOR EXTENSION UNDER NEW WORK.
- 16 WALL CLEANOUT TO REMAIN.

KEY PLAN

SCALE: NOT TO SCALE



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DATE: 01/15/2021

DESIGNED: E.J.G.

DRAWN: C.J.A.

REVIEWED: R.R.O.

SHEET TITLE:
FIRST FLOOR
PLUMBING
DEMOLITION PLAN

SHEET NUMBER:

PD1.1

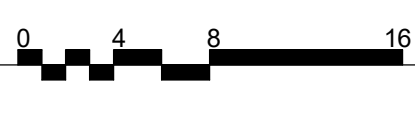
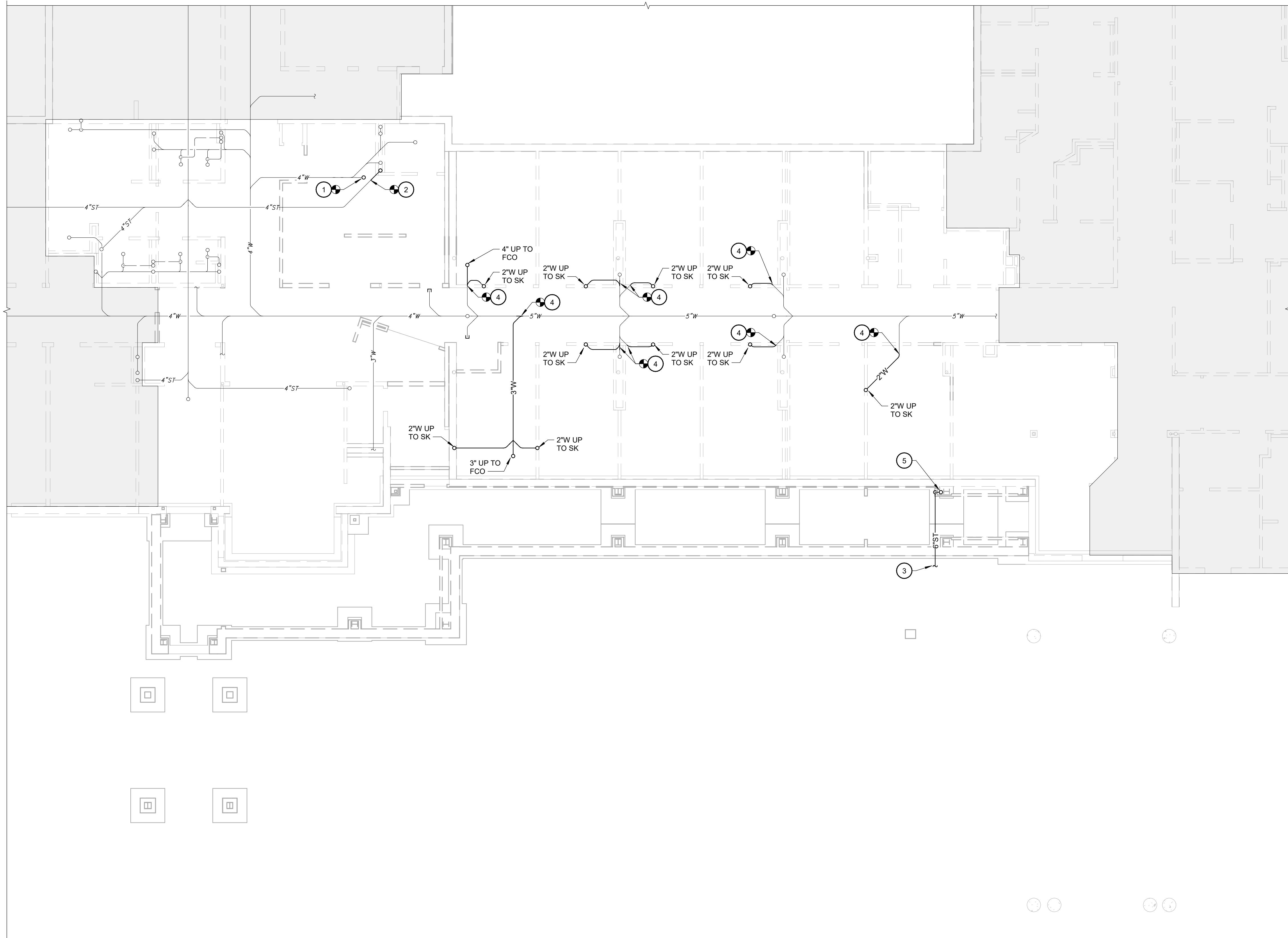
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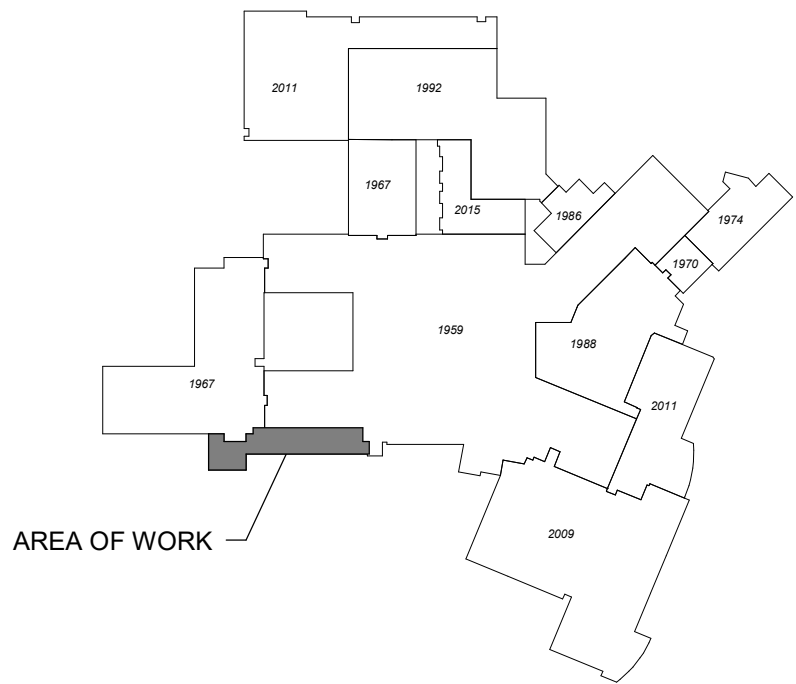
UNDERSLAB PLUMBING PLAN

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



KEY PLAN

SCALE: NOT TO SCALE



KEYNOTES

#

- 1
- CONNECT TO EXISTING WASTE PIPING AND EXTEND UP TO NEW FLOOR CLEANOUT.
- 2
- CONNECT TO EXISTING STORM PIPING AND EXTEND AS INDICATED.
- 3
- 6" STORM PIPE (INV=546.76). SEE CIVIL DRAWINGS FOR CONTINUATION.
- 4
- CONNECT TO EXISTING WASTE PIPING AND EXTEND TO NEW SINKS AS INDICATED.
- 5
- 6" STORM UP. OFFSET AT 45 DEGREES TO AVOID COLUMN PEDESTAL.



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PLUMBING PLAN

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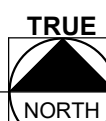
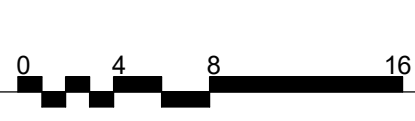
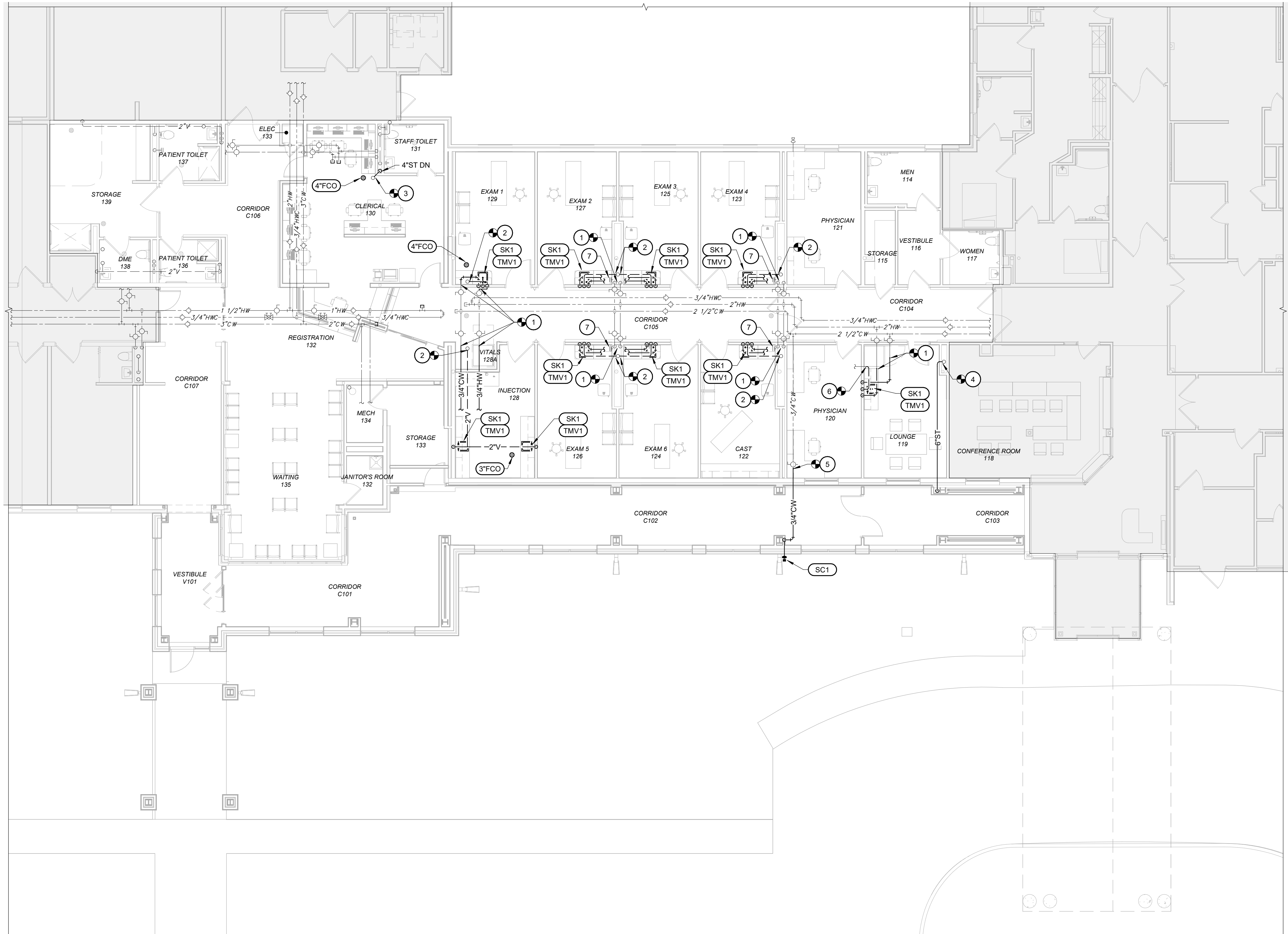
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PROJECT NO.:

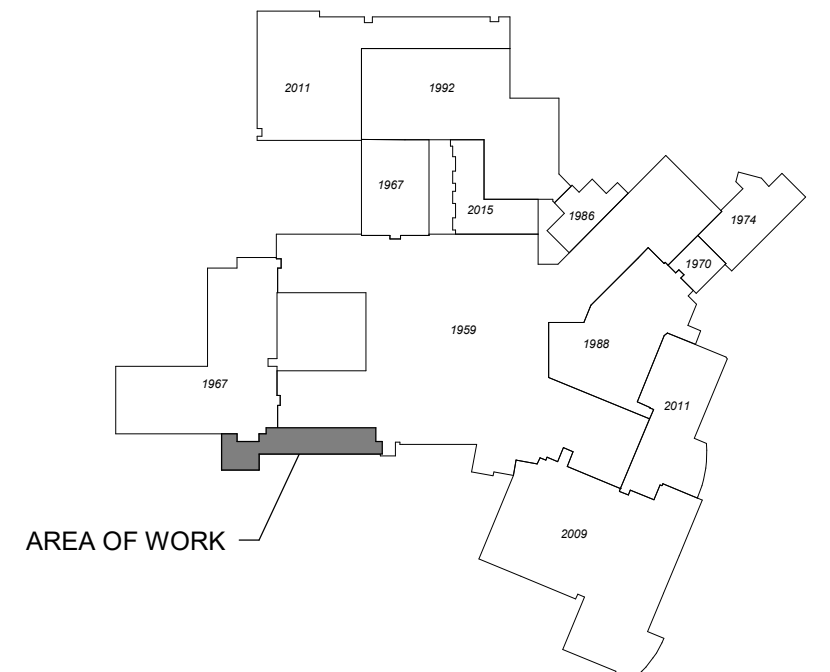
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1 FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"



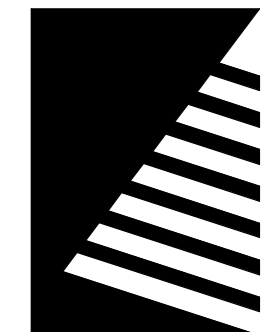
KEY PLAN
SCALE: NOT TO SCALE



PROJECT NO.: 0200707.00

KEYNOTES #

- 1 EXTEND HOT AND COLD WATER PIPING TO NEW SINK(S) AS INDICATED.
- 2 CONNECT TO EXISTING VTR AS INDICATED.
- 3 CONNECT TO EXISTING 4" ROOF DRAIN AND REDIRECT PIPING TO CHASE.
- 4 CONNECT TO EXISTING 4" ROOF DRAIN. SLOPE DOWN AT 45 DEGREES TO BELOW CEILING AND TRANSITION TO A 6" PIPE IN THE HORIZONTAL.
- 5 EXTEND COLD WATER TO NEW SILLCOCK LOCATION AS INDICATED.
- 6 CONNECT TO VENT FROM PREVIOUS SINK AND EXTEND TO NEW SINK.
- 7 PC TO COORDINATE WITH GC FOR ANY FIELD MODIFICATION TO CASEWORK AS NECESSARY. THE MODIFICATION THAT IS REQUIRED IS TO PROVIDE A HOLE IN THE SIDE OF THE BASE CABINETRY SO AS TO MAINTAIN ACCESS TO EXISTING WALL CLEANOUTS. PC SHALL PROVIDE GC WITH ACCURATE DIMENSIONS FOR LOCATION OF HOLE.



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DRAWN: C.J.A.
REVIEWED: R.R.O.

SHEET TITLE:
**FIRST FLOOR
PLUMBING PLAN**

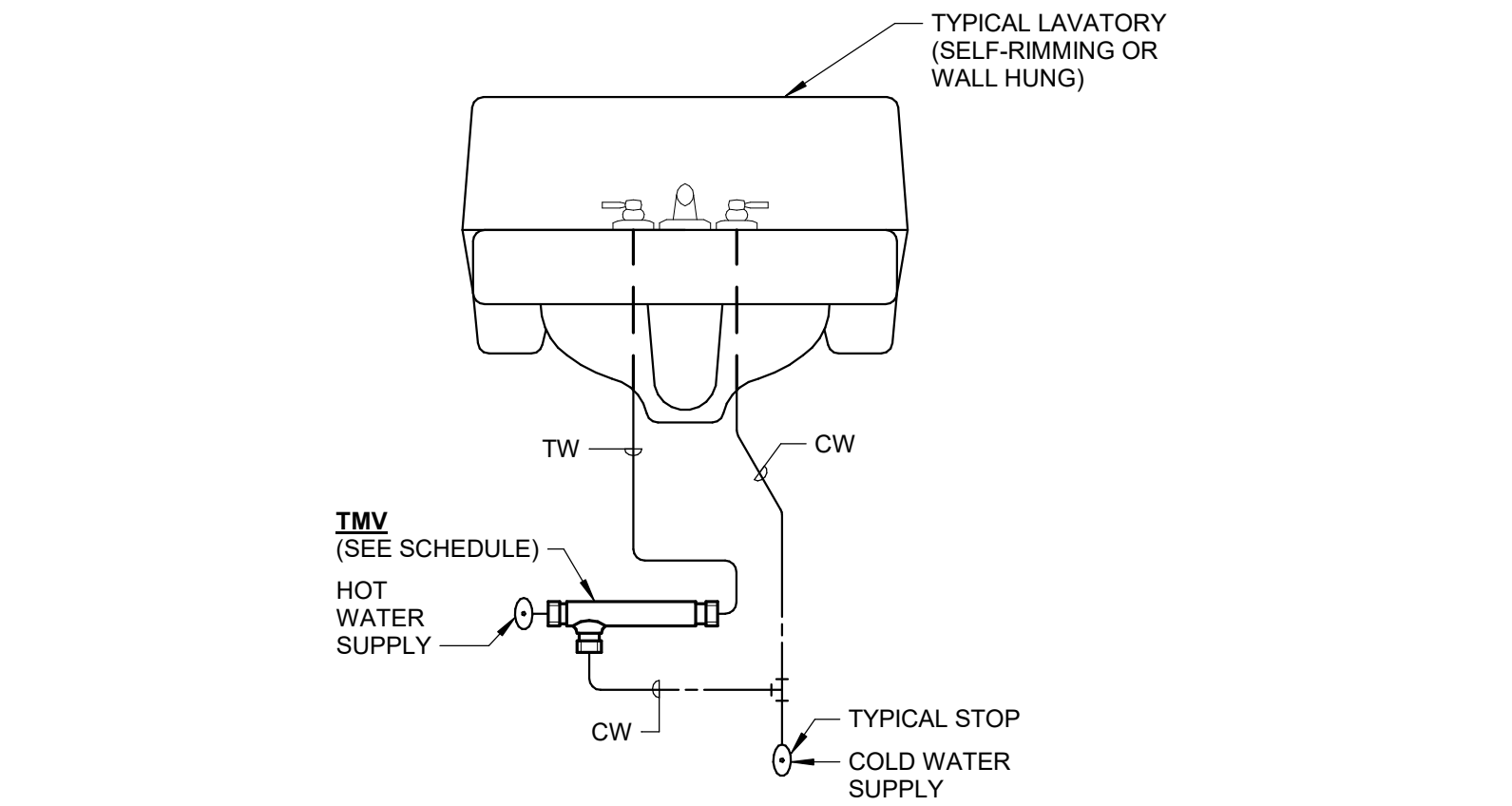
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PLUMBING FIXTURE SCHEDULE						
PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES				
		COLD WATER	HOT WATER	WASTE	VENT	
SC1	SILLCOCK - SATIN NICKEL BRONZE FLUSH MOUNTED FACE, STRAIGHT INLET CONNECTION WITH ALL BRASS INTERIOR PARTS, INTEGRAL ANTI-SIPHON, NON-FREEZE VACUUM BREAKER AND WALL CLAMP. ACCEPTABLE MANUFACTURERS: WOODFORD (67), WADE, JOSAM, ZURN. LENGTH OF WALL CLAMP AS REQUIRED BY WALL CONSTRUCTION AND ALL OTHER MOUNTING AS REQUIRED BY MANUFACTURER.	3/4"	N/A	N/A	N/A	
SK1 (HC)	SINK - SELF-RIMMING, 18 GAUGE TYPE 302 STAINLESS STEEL 17 INCH x20 INCH x 6 INCH DEEP SINGLE COMPARTMENT, UNDERCOATED AND THREE HOLE DRILLING. ACCEPTABLE MANUFACTURERS: ELKAY (LRAD1720-60), JUST. SINK TRIM: 8 INCH SUPPLY FITTINGS, 4 INCH WRIST BLADES, AERATOR, BASKET STRAINER, ANGLE STOPS BY BRASSCRAFT OR MCGUIRE, 17 GAUGE 1 1/2 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/2 INCH P-TRAP BY BRASSCRAFT, MCGUIRE, OR DEARBORN, AND 9 INCH GOOSENECK SPOUT. ACCEPTABLE MANUFACTURERS: CHICAGO FAUCET (201-G8AE3-317AB), T&S BRASS, SPEAKMAN, DELTA COMMERCIAL. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS. ALL EXPOSED TRIM SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/2"	1 1/2"	

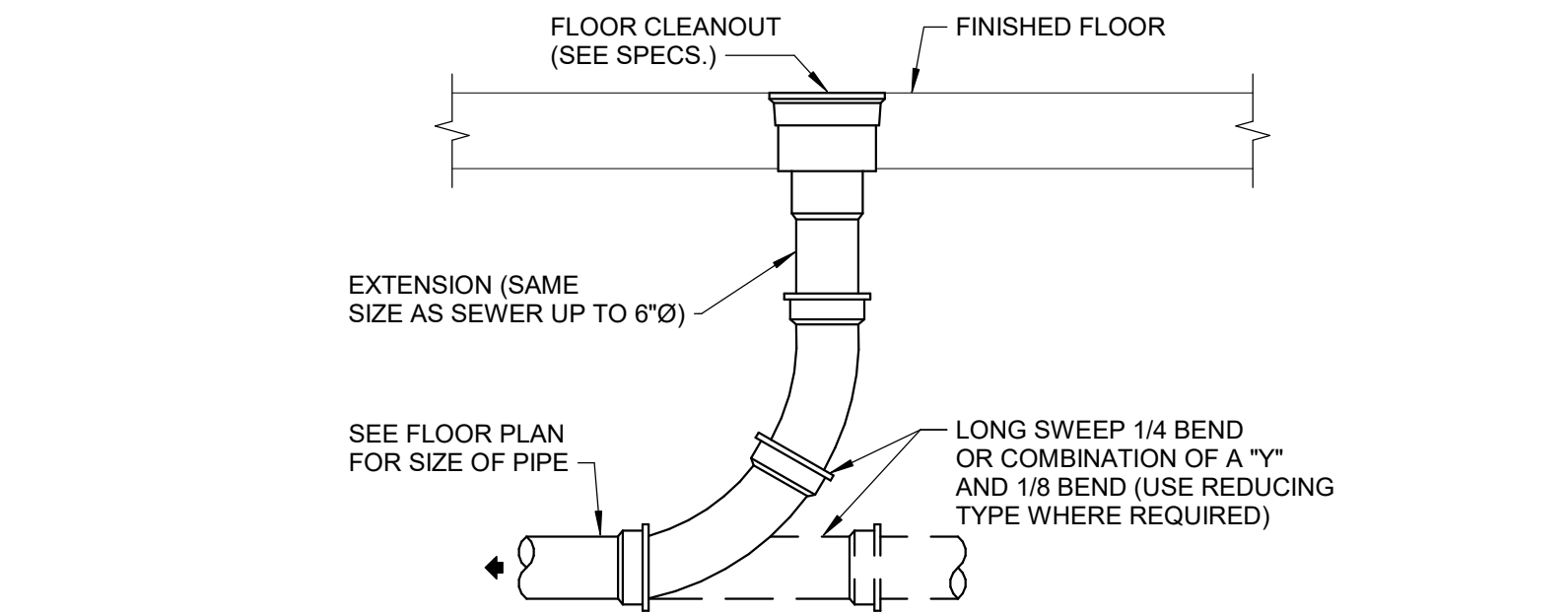
THERMOSTATIC MIXING VALVE SCHEDULE							
PLAN MARK	MANUFACTURER	MODEL	GPM	INLET	OUTLET	MOUNTING	REMARKS
TMV1	WILKINS/ZURN	ZW1070XLHT	0.5-6	1/2"-1"	1/2"-1"	WALL	(LEAD FREE) HIGH TEMP MIXING VALVE. PROVIDE WITH UNION ENDS, INLET CHECK VALVES, SET TO 110 F DEGREES. ASSE1017 (POINT-OF-USE) ASSE 1016,1070 (SINGLE FAUCET)
DESIGN FLOWS BASED ON 5 PSI PRESSURE DROP MAXIMUM.							
* 0.5 GPM MINIMUM FLOW RATE CAN BE ACHIEVED WHEN PROPERLY INSTALLED WITH A RECIRCULATION SYSTEM AND RECIRCULATION PUMP AND PIPED PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.							
NOTE: OTHER ACCEPTABLE MANUFACTURER'S SHALL BE: BRADLEY, SIMMONS, POWERS, LEONARD, WILKINS, ZURN.							

CLEANOUT SCHEDULE			
PLAN MARK	MAKE/MODEL	LOCATION	REMARKS
FCO	WADE 6000,1 WATTS J.R. SMITH JOSAM ZURN	FINISHED ROOMS	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, WITH WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND POLISHED NICKEL BRONZE SCORIATED VANDAL PROOF SECURED TOP, ADJUSTABLE TO FINISH FLOOR.
FLOOR: CAST IRON, ADJUSTABLE HOUSING, CUT-OFF FERRULE, BRASS COUNTERSUNK TAPERED SCREW TYPE PLUG WITH NEOPRENE SEAL. ABOVE CEILING EXPOSED VERTICAL OR HORIZONTAL LINES: CAST IRON, FERRULE WITH ROUGH BRASS RAISED HEAD TAPERED PLUG. WHEN LOCATED IN SECURE AREAS: VANDAL RESISTANT FASTENERS SHALL BE USED. FLOORS WITH TILE OR SHEET VINYL: COUNTERSUNK CLEANOUT AND ROUND SECURED FRAME AND COVER WITH TILE RING WITH MATCHING TILE INSERTED WITHIN RING. FLOORS WITH CARPETING: COUNTERSUNK CLEANOUT AND ROUND, NICKEL BRASS SECURED FRAME WITH CARPET FLANGE OR CARPET MARKER. ON FLOORS ABOVE GRADE: FLASHING FLANGE AND CLAMPING DEVICE WITH FLASHING REQUIRED. IN CONCRETE FLOORS: ROUND, NICKEL BRASS SECURED FRAME WITH NON-SKID SCORIATED NICKEL BRASS COVER SECURED TO FRAME WITH BRASS SCREWS. RISER CLEANOUTS: CAST IRON SHELL WITH COUNTERSUNK BRASS PLUG WITH ROUND SECURED 18 GA. STAINLESS STEEL COVER WITH STAINLESS STEEL SETTING SCREW. YARD CLEANOUT: CAST IRON WITH CUT-OFF FERRULE, TAPERED BRASS PLUG, ADJUSTABLE HOUSING AND EXTRA HEAVY SECURED FRAME, SCORIATED TRACTOR COVER.			



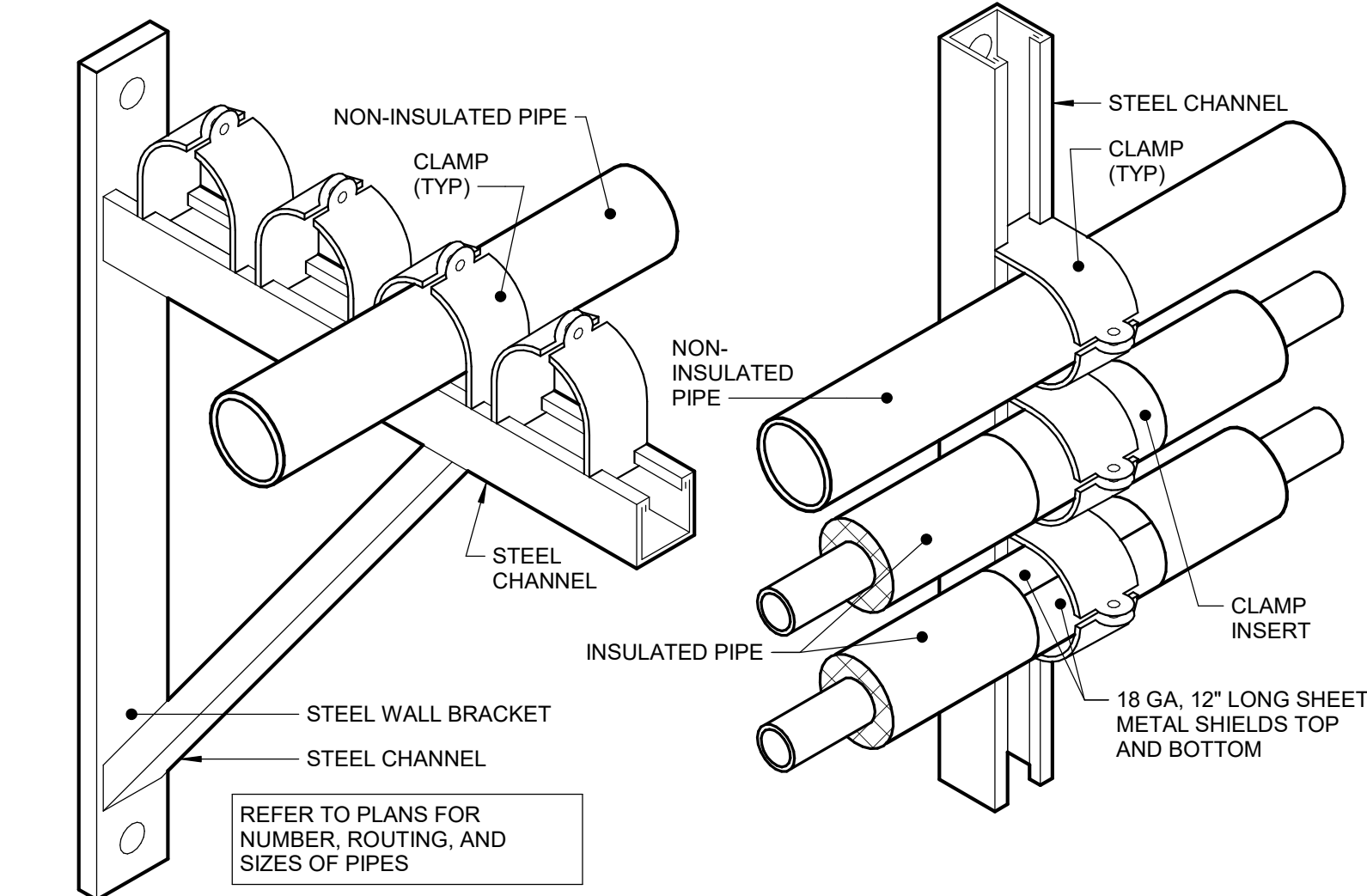
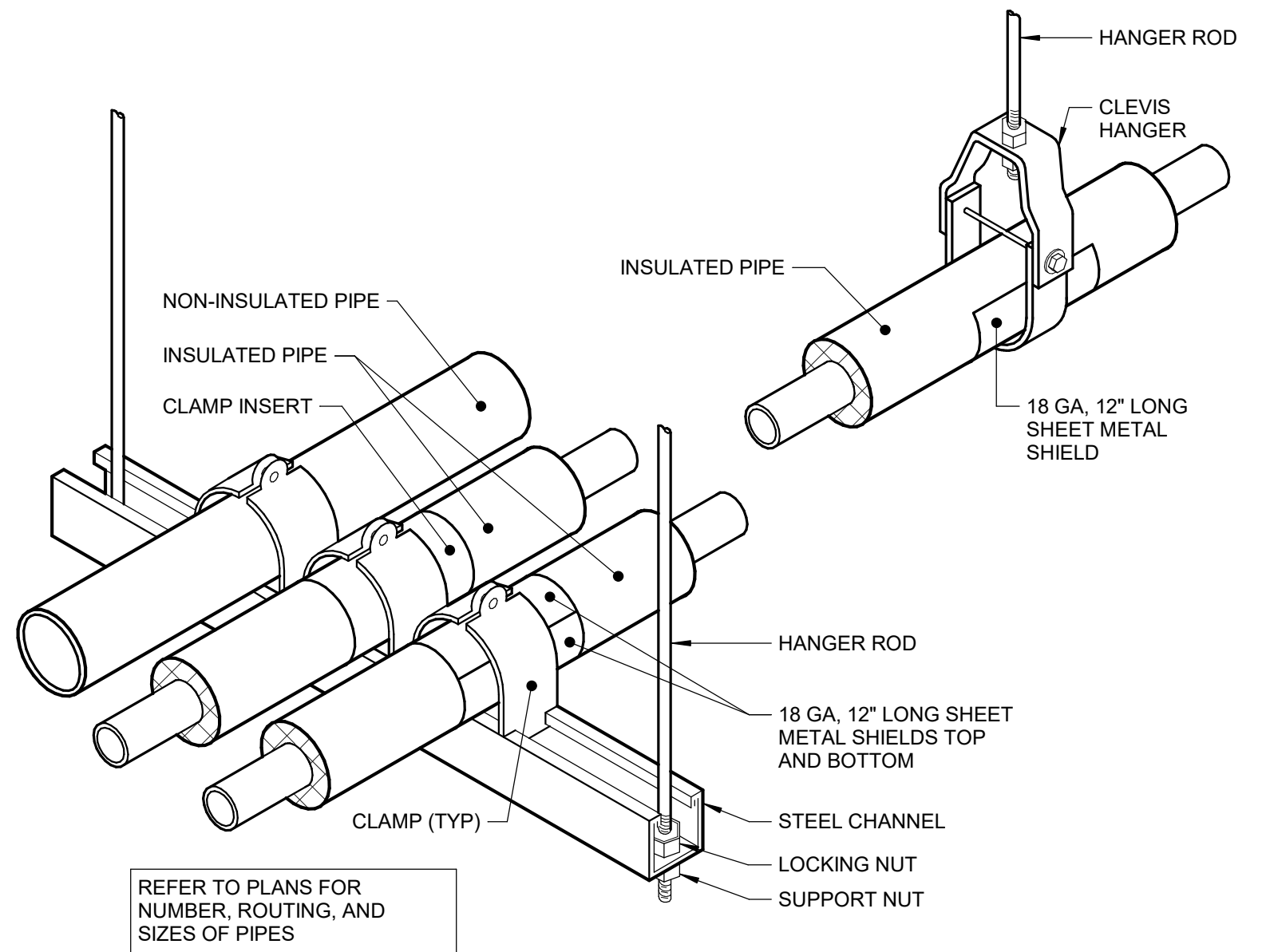
3 POINT-OF-USE MIXING VALVE

SCALE: No Scale



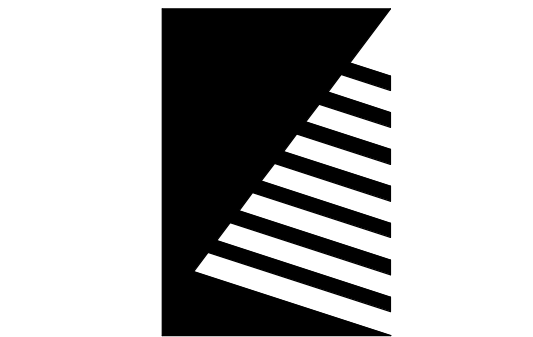
2 FLOOR CLEANOUT

SCALE: No Scale



1 PIPING SUPPORTS

SCALE: No Scale



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DRAWN: C.J.A

REVIEWED: R.R.O

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DIAGRAMS AND
SCHEDULES

SHEET NUMBER:

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SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

HYDRONIC

- 3-WAY CONTROL VALVE
- ANGLE GATE VALVE
- ANGLE GLOBE VALVE
- BALANCING/SHUTOFF VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CALIBRATED BALANCING VALVE
- CHECK VALVE
- CONTROL VALVE
- EXPANSION VALVE
- GAS COCK
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE (WATER)
- PRESSURE REGULATOR (GAS)
- QUICK OPEN VALVE
- SAFETY RELIEF VALVE
- SOLENOID VALVE
- VACUUM RELIEF VALVE
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- FLOW SENSOR/SWITCH
- PRESSURE SENSOR/SWITCH
- TEMPERATURE SENSOR/SWITCH
- PRESSURE GAUGE
- THERMOMETER
- PIPE SLOPE ARROW
- PIPE ANCHOR
- PIPE GUIDES
- PIPE EXPANSION JOINT
- FLEXIBLE PIPE CONNECTOR
- PIPE UNION
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- WYE STRAINER
- WYE STRAINER W/DRAIN VALVE

- DIRECTION OF FLOW
- STEAM BUCKET TRAP
- STEAM F&T TRAP
- BACKFLOW PREVENTER
- PRESSURE/TEMPERATURE PLUG

- PUMP
- METER
- PIPE TURNING UP
- PIPE TURNING DOWN
- TEE OFF TOP
- TEE OFF BOTTOM
- PIPE TEE
- PIPE CAP
- PLAN 90 DEGREE ELBOW
- PLAN 45 DEGREE ELBOW

PIPING SYSTEM (SOLID LINE)

- BD BOILER BLOW DOWN
- CD CONDENSATE DRAIN
- CHS CHILLED WATER SUPPLY
- CWS CONDENSER WATER SUPPLY
- HCWS DUAL TEMPERATURE SUPPLY
- HPS HIGH PRESSURE STEAM
- HRS HEAT RECOVERY SUPPLY
- HTWS HIGH TEMP WATER SUPPLY
- HWS HOT WATER SUPPLY
- LPS LOW PRESSURE STEAM
- LS LOOP SUPPLY
- MPS MEDIUM PRESSURE STEAM
- PD PUMP DISCHARGE
- RHG REFRIGERANT HOT GAS
- RL REFRIGERANT LIQUID
- RS REFRIGERANT SUCTION

PIPING SYSTEM (DASHED LINE)

- CHR CHILLED WATER RETURN
- CWR CONDENSER WATER RETURN
- HCWR DUAL TEMPERATURE RETURN
- HPR HIGH PRESSURE STEAM CONDENSATE RETURN
- HRR HEAT RECOVERY RETURN
- HTWR HIGH TEMP WATER RETURN
- HWR HOT WATER RETURN
- LPR LOW PRESSURE STEAM CONDENSATE RETURN
- LR LOOP RETURN
- MPR MEDIUM PRESSURE STEAM CONDENSATE RETURN

VENTILATION

- THERMOSTAT
- AHU-1 EQUIPMENT TO BE CONTROLLED GUARD - LOCKABLE GUARD WHERE INDICATED
- SENSOR
- HUMID ELEMENT TO BE MONITORED
- CO2 GUARD - LOCKABLE GUARD WHERE INDICATED
- HUMIDISTAT
- WALL SWITCH
- TRANSFER AIR
- RECTANGULAR DUCT
- ROUND DUCT
- FLAT OVAL DUCT
- SUPPLY DIFFUSER/REGISTER
- RETURN REGISTER/GRILLE
- EXHAUST REGISTER/GRILLE
- DIFFUSER AIRFLOW PATTERN IF OTHER THAN 4-WAY BLOW
- FLEXIBLE BRANCH RUNOUT TO SUPPLY DIFFUSER, 36" MAX LENGTH
- CEILING RETURN REGISTER WITH LINED DUCT FOR SOUND ATTENUATION OPEN TO CEILING PLENUM
- FLEXIBLE DUCT CONNECTION TO EQUIPMENT OR BETWEEN DUCTS
- VOLUME DAMPER
- MOTORIZED DAMPER
- FIRE DAMPER
- SMOKE DAMPER
- COMBINATION FIRE/SMOKE DAMPER
- SUPPLY AIR DUCT TOWARDS
- RETURN/OUTDOOR AIR DUCT TOWARDS
- RETURN/OUTDOOR AIR DUCT AWAY
- EXHAUST AIR DUCT TOWARDS
- EXHAUST AIR DUCT AWAY

GENERAL

- MECHANICAL EQUIPMENT TAG
- EQUIPMENT TYPE
- EQUIPMENT MARK
- AIR TERMINAL DESIGNATION
- THROAT SIZE
- AIRFLOW IN CFM
- DETAIL OR SECTION MARK
- DETAIL #
- SHEET #
- KEYNOTE
- POINT OF NEW CONNECTION
- CAP EXISTING PIPE OR DUCT
- NEW
- BOLD TEXT INDICATES PROPOSED ITEM
- ITALIC TEXT INDICATES EXISTING ITEM
- LINE STYLE INDICATES DEMOLISHED ITEM

ABBREVIATIONS

- AC ABOVE CEILING/AIR CONDITIONER
- ACC AIR COOLED CONDENSER
- AF AIR FILTER
- AFF ABOVE FINISHED FLOOR
- AHU AIR HANDLING UNIT
- AL ALUMINUM
- AMS AIR MEASURING STATION
- AS AIR SEPARATOR
- AV AUTOMATIC AIR VENT
- B BOILER
- BAS BUILDING AUTOMATION SYSTEM
- BDD BACKDRAFT DAMPER
- BFC BELOW FINISHED CEILING
- BFP BACKFLOW PREVENTION DEVICE
- BJ BETWEEN JOISTS
- BOD BOTTOM OF DUCT
- BOP BOTTOM OF PIPE
- BTUH BRITISH THERMAL UNITS PER HOUR
- CA COMPRESSED AIR
- CBS COUNTER BALANCED SHUTTER
- CC COOLING COIL
- CF CEILING / CIRCULATING FAN
- CFM CUBIC FEET PER MINUTE
- CH CHILLER
- CHP CHILLED WATER PUMP
- CHR CHILLED WATER RETURN
- CHS CHILLED WATER SUPPLY
- CNV CONVECTOR
- COND CONDENSATE
- CP CONDENSATE PUMP
- CRAC COMPUTER ROOM AIR CONDITIONER
- CT COOLING TOWER
- CU CONDENSING UNIT
- CUH CABINET UNIT HEATER
- CV CONTROL VALVE
- CW DOMESTIC COLD WATER
- CWP CONDENSER WATER PUMP
- CWR CONDENSER WATER RETURN
- CWS CONDENSER WATER SUPPLY
- DAC DOOR AIR CURTAIN
- DC DRY COOLER
- DH DEHUMIDIFIER
- DN DOWN
- DOAS DEDICATED OUTDOOR AIR SYSTEM
- DP DIFFERENTIAL PRESSURE
- DS DUCT SILENCER
- DSU DUCTLESS SPLIT UNIT
- DX DX COOLING COIL
- EA EXHAUST AIR
- EBB ELECTRIC BASEBOARD HEATER
- EC ELECTRICAL CONTRACTOR
- EF EXHAUST FAN
- EG EXHAUST GRILLE (LESS DAMPER)
- EHC ELECTRIC HEATING COIL
- EL ELEVATION
- ER EXHAUST REGISTER
- ERP ELECTRIC RADIANT PANEL
- ERV ENERGY RECOVERY VENTILATOR
- ESP EXTERNAL STATIC PRESSURE
- ET EXPANSION TANK
- EUH ELECTRIC UNIT HEATER
- FA FRESH AIR
- FCU FAN COIL UNIT
- FD FIRE DAMPER
- FDC FLEXIBLE DUCT CONNECTION
- FFA FROM FLOOR ABOVE
- FFB FROM FLOOR BELOW
- FPC FLEXIBLE PIPE CONNECTION
- FPT FAN POWERED AIR TERMINAL
- FT FINNED TUBE RADIATION
- GC GENERAL CONTRACTOR
- GF GAS FURNACE
- GIH GRAVITY INTAKE HOOD
- GPM GALLONS PER MINUTE
- GR GLYCOL RETURN
- GRH GAS RADIANT HEATER
- GS GLYCOL SUPPLY
- GUH GAS UNIT HEATER
- HU HUMIDIFIER
- HC HEATING COIL
- HCWR DUAL TEMPERATURE RETURN
- HCWS DUAL TEMPERATURE SUPPLY
- HP HEAT PUMP
- HPR HIGH PRESSURE STEAM RETURN
- HPS HIGH PRESSURE STEAM SUPPLY
- HRC HEAT RECOVERY COIL
- HRV HEAT RECOVERY VENTILATOR (SENSIBLE)
- HS HUMIDITY SENSOR
- HWP HOT WATER PUMP
- HWR HOT WATER RETURN
- HWS HOT WATER SUPPLY
- HX HEAT EXCHANGER
- ISP INTERNAL STATIC PRESSURE
- KH KITCHEN HOOD - COMMERCIAL
- L LOUVER
- LPR LOW PRESSURE STEAM RETURN
- LPS LOW PRESSURE STEAM SUPPLY
- MA MIXED AIR
- MAU MAKEUP AIR UNIT
- MBH THOUSANDS OF BTU PER HOUR
- MC MECHANICAL CONTRACTOR
- MD MOTORIZED DAMPER
- MS MOTORIZED SHUTTER
- NTS NOT TO SCALE
- OA OUTDOOR AIR
- OBD OPPOSED BLADE DAMPER
- P PUMP
- PC PLUMBING CONTRACTOR
- PBD PARALLEL BLADE DAMPER
- PDH POOL ROOM DEHUMIDIFIER
- PRV PRESSURE RELIEF VALVE
- PS PRESSURE SWITCH
- PSI POUNDS PER SQUARE INCH
- PTAC PACKAGED TERMINAL AIR CONDITIONER
- RA RETURN AIR
- RF RETURN AIR FAN
- RG RETURN GRILLE (LESS DAMPER)
- RH ROOF HOOD
- RHC REHEAT COIL
- RLFA RELIEF AIR
- RP RADIANT PANEL
- RPZ REDUCED PRESSURE BFP
- RR RETURN REGISTER (WITH DAMPER)
- RTU ROOFTOP AIR HANDLING UNIT
- SA SUPPLY AIR
- SAS SELF-ACTING SHUTTER
- SD SUPPLY DIFFUSER/SMOKE DAMPER
- SF SUPPLY FAN / SQUARE FOOT
- SFD SMOKE/FIRE DAMPER
- SG SUPPLY GRILLE
- SR SUPPLY REGISTER
- TCAC TEMP. CONTROL AIR COMPRESSOR
- TCAD TEMP. CONTROL AIR DRYER
- TDV TRIPLE DUTY VALVE
- TFA TO FLOOR ABOVE
- TFB TO FLOOR BELOW
- TJ THROUGH JOISTS
- TOD TOP OF DUCT
- TOP TOP OF PIPE
- TSP TOTAL STATIC PRESSURE
- UC UNIT COOLER
- UFD UNDERFLOOR DUCT
- UFT UNDERFLOOR FAN TERMINAL
- UH UNIT HEATER
- UV UNIT VENTILATOR
- VAV VARIABLE AIR VOLUME TERMINAL
- VD VOLUME DAMPER
- VFD VARIABLE FREQUENCY DRIVE
- VRP VERTICAL RADIANT PANEL
- WAC WINDOW / WALL AIR CONDITIONER

GENERAL NOTES

COMMON REQUIREMENTS

- THIS FACILITY HAS BEEN DESIGNATED A "SMOKE-FREE" ENVIRONMENT. NO MECHANICAL VENTILATION PROVISIONS HAVE BEEN MADE TO ACCOMMODATE TOBACCO USAGE BY THE BUILDING OCCUPANTS
- ALL MECHANICAL SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE LOCAL CODE AUTHORITIES HAVING JURISDICTION
- EVERY ATTEMPT HAS BEEN MADE TO COORDINATE THE ROUTING OF DUCTWORK WITHIN THE CLEAR STRUCTURAL SPACE. ACTUAL LOCATION OF ALL STRUCTURAL MEMBERS HOWEVER CAN NOT BE DETERMINED UNTIL FABRICATION DRAWINGS ARE SUBMITTED FOR REVIEW. WHERE POSSIBLE, REFRAIN FROM PREFABRICATING DUCTWORK DESIGNATED FOR INSTALLATION UNTIL FRAMING IS IN PLACE AND ACTUAL STRUCTURAL CONDITIONS CAN BE FIELD VERIFIED.
- INSTALL EQUIPMENT TO ALLOW MAXIMUM POSSIBLE HEADROOM UNLESS SPECIFIC MOUNTING HEIGHTS ARE INDICATED
- INSTALL EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS IN EXPOSED INTERIOR SPACES, UNLESS OTHERWISE INDICATED
- INSTALL HVAC EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF REMOVAL, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS
- AIR FILTERS SHALL BE REPLACED IN ALL AIR HANDLING EQUIPMENT EMPLOYING SUCH PRIOR TO FINAL COMPLETION AND OWNER OCCUPANCY
- THE INSTALLING CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL MECHANICAL EQUIPMENT PUT INTO OPERATION PRIOR TO THE INSTALLATION OF A WORKING CONTROL SYSTEM, TESTING, AND BALANCING, AND SUBSTANTIAL COMPLETION. ALL RETURN AND EXHAUST DUCT OPENINGS SHALL BE COVERED WITH ROLL TYPE FILTER MEDIUM DURING SUCH TEMPORARY OPERATION. OPERATION OF THE MECHANICAL EQUIPMENT PRIOR TO FINAL COMPLETION SHALL NOT IMPACT THE EQUIPMENT WARRANTY. MINIMUM 1-YEAR FROM SUBSTANTIAL COMPLETION UNLESS SPECIFIED OTHERWISE
- PROVIDE FLEXIBLE DUCT CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND SHEET METAL SUPPLY, OUTDOOR AIR, EXHAUST, AND/OR RETURN AIR DUCTWORK CONNECTIONS
- PROVIDE FLEXIBLE PIPE CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND CONNECTING PIPING
- BASIS OF DESIGN MECHANICAL EQUIPMENT IS AS SCHEDULED ON THE DRAWINGS. INSTALLING CONTRACTOR ASSUMES RESPONSIBILITY FOR COORDINATING PHYSICAL SPACE REQUIREMENTS OF EQUIVALENT CAPACITY MECHANICAL EQUIPMENT DEEMED ACCEPTABLE BY THE ENGINEER
- MECHANICAL EQUIPMENT FACTORY FINISH DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE

DUCTWORK REQUIREMENTS

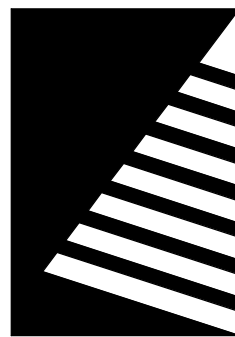
- DUCTWORK IS SHOWN IN SCHEMATIC FORM. ALL REQUIRED DUCT RISERS AND DROPS TO ALLOW GENERAL ROUTING DEPICTED MAY NOT BE SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES AND FIELD CONDITIONS. EXACT LOCATION OF THE DUCTWORK MAY VARY ACCORDING TO THE COORDINATED SPACE REQUIREMENTS. EACH TRADE SHALL BE TOTALLY RESPONSIBLE FOR COORDINATION WITH OTHER TRADES. NOTIFY ENGINEER OF CONDITIONS REPRESENTING SIGNIFICANT CHANGES TO THE DESIGNED ROUTING
- COMPLY WITH NFPA 90A, "INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS," UNLESS OTHERWISE INDICATED
- FABRICATE RECTANGULAR DUCTS, ELBOWS, TRANSITIONS, OFFSETS, BRANCH CONNECTIONS, AND OTHER CONSTRUCTION WITH GALVANIZED, SHEET STEEL, ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS--METAL AND FLEXIBLE." COMPLY WITH REQUIREMENTS FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS
- COORDINATE SIZE, QUANTITY, AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCT AND PIPE PENETRATIONS THROUGH WALLS, FLOORS, AND ROOFS, WITH CONTRACTOR RESPONSIBLE FOR ROUGH FRAMING. COORDINATE LOCATION OF AIR INTAKES WITH EXHAUST AND PLUMBING VENTS SO THAT INTAKES ARE A MINIMUM OF 10 FEET FROM EXHAUST OPENINGS OR PLUMBING VENTS
- INSTALL DUCTS IN LONGEST LENGTH POSSIBLE AND FEWEST POSSIBLE JOINTS. INSTALL FABRICATED FITTINGS FOR CHANGES IN DIRECTIONS, CHANGES IN SIZE AND SHAPE, AND CONNECTIONS
- INSTALL DUCTS, UNLESS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY, PARALLEL AND PERPENDICULAR TO BUILDING LINES; AVOID DIAGONAL RUNS UNLESS SPECIFICALLY INDICATED ON DRAWINGS
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED DEVICES. COORDINATE MECHANICAL CEILING DEVICES SUCH AS DIFFUSERS AND REGISTERS WITH LIGHT FIXTURES, SPEAKERS, SPRINKLER HEADS, ETC.
- ELECTRICAL EQUIPMENT SPACES: ROUTE DUCTWORK TO AVOID PASSING THROUGH TRANSFORMER VAULTS AND ELECTRICAL EQUIPMENT SPACES AND ENCLOSURES. AVOID ROUTING DUCTWORK DIRECTLY ABOVE ELECTRICAL EQUIPMENT UNLESS SPECIFICALLY INDICATED ON THE MECHANICAL DRAWINGS
- NON-FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS AND ARE EXPOSED TO VIEW IN MECHANICAL ROOMS, CONCEAL SPACE BETWEEN CONSTRUCTION OPENINGS AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME METAL THICKNESS AS DUCT. OVERLAP OPENING ON FOUR SIDES BY AT LEAST 1-1/2 INCHES UNLESS INDICATED OTHERWISE
- FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS, INSTALL APPROPRIATELY RATED FIRE DAMPER. FIRE DAMPER INSTALLATION MUST STRICTLY ADHERE TO MANUFACTURER'S WRITTEN INSTRUCTIONS
- PROVIDE MANUAL VOLUME-CONTROL BALANCING DAMPER AT ALL BRANCH DUCTS AND AT ALL OTHER LOCATIONS REQUIRED FOR A COMPLETE AND BALANCEABLE AIR DISTRIBUTION SYSTEM
- BALANCE ENTIRE AIR DISTRIBUTION SYSTEM TO AIRFLOW QUANTITIES INDICATED ON MECHANICAL DRAWINGS
- FLEXIBLE DUCTWORK SHALL BE ALLOWED ONLY IN POSITIVE PRESSURE APPLICATIONS AT SUPPLY BRANCH RUNOUTS TO DIFFUSERS ABOVE ACCESSIBLE CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 36" IN LENGTH. 90 DEGREE TURNS SHALL ONLY BE ALLOWED IF RETAINING BANDS EQUAL TO THERMAFLEX "FLEX-FLOW" ARE EMPLOYED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE DUCTWORK BE ALLOWED IN NEGATIVE PRESSURE APPLICATIONS

PIPING SYSTEM REQUIREMENTS

- DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS WERE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, PUMP SIZING, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED BY ENGINEER
- DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS, AND MOISTURE
- COORDINATE PIPE ROUTINGS, CHASES, AND OPENINGS IN BUILDING STRUCTURE WITH ALL TRADES DURING PROGRESS OF CONSTRUCTION. COORDINATE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED
- INSTALL PIPING IN CONCEALED LOCATIONS, UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE
- INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING PANEL REMOVAL
- INSTALL PIPING TO PERMIT VALVE SERVICING
- INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS
- INSTALL PIPING TO ALLOW APPLICATION OF INSULATION
- INSTALL ESCUTCHEONS FOR PENETRATIONS OF FINISHED WALLS, CEILINGS, AND FLOORS
- SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES.
- PERMANENT SLEEVES ARE NOT REQUIRED FOR HOLES FORMED BY REMOVABLE PE SLEEVES
- INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS AND CONCRETE FLOOR AND ROOF SLABS
- UNDERGROUND, EXTERIOR-WALL PIPE PENETRATIONS: INSTALL CAST-IRON "WALL PIPES" FOR SLEEVES. SEAL PIPE PENETRATIONS USING MECHANICAL SLEEVE SEALS. SELECT SLEEVE SIZE TO ALLOW FOR 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPE AND SLEEVE FOR INSTALLING MECHANICAL SLEEVE SEALS
- FIRE-BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PIPE PENETRATIONS WITH FIRESTOP MATERIALS.
- VERIFY FINAL EQUIPMENT LOCATIONS FOR ROUGHING-IN.

DEMOLITION

- VERIFY EXACT SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION WORK
- RELOCATE, REMOVE, AND ADJUST ALL MECHANICAL AND ELECTRICAL ITEMS AS REQUIRED TO ACCOMPLISH SCOPE OF NEW WORK
- EXISTING MECHANICAL ITEMS ARE SHOWN IN SCHEMATIC FORM BASED UPON EXISTING CONSTRUCTION DOCUMENTS AND/OR FIELD INVESTIGATION
- REMOVE EXISTING PIPING AND DUCTWORK BACK TO LAST ACTIVE SERVICE AND CAP
- FIXTURES AND EQUIPMENT INDICATED TO BE REUSED OR SALVAGED SHALL REMAIN THE PROPERTY OF THE OWNER AND BE STORED IN A LOCATION AS DIRECTED BY OWNER'S REPRESENTATIVE
- IN LOCATIONS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH EXISTING CONSTRUCTION TO MATCH ADJACENT SURFACES AND FINISHES
- CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING UTILITIES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING



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ISSUE:
DATE: DESCRIPTION:

Bid Set
01/15/2021

PROJECT:
Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2020

DESIGNED: VUJ

DRAWN: VUJ

REVIEWED: DRR

SHEET TITLE:

GENERAL
INFORMATION

DESIGN CONDITIONS

HVAC DESIGN LOAD CALCULATIONS ARE BASED ON THE FOLLOWING CLIMATE DATA:

CITY AND STATE: INDIANAPOLIS, INDIANA (FOR THE NEARBY CITY OF ROBINSON,IL)

WINTER OUTDOOR AMBIENT DB: -3.0

SUMMER OUTDOOR AMBIENT DB/WB: 91/75

MECHANICAL SYSTEMS HAVE BEEN DESIGNED BASED UPON THE 2015 INTERNATIONAL MECHANICAL CODE, 2018 INTERNATIONAL ENERGY CONSERVATION CODE, NATIONAL FIRE PROTECTION (NFPA) STANDARDS, AND ACCEPTED AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS (ASHRAE) ACCEPTED STANDARDS AND PRACTICES

M0.1

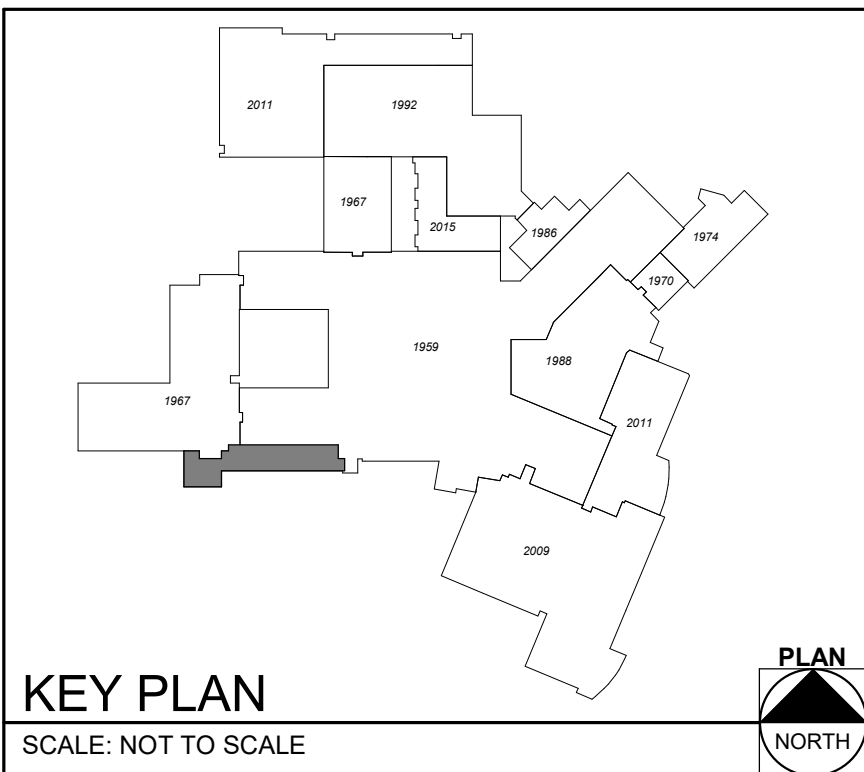
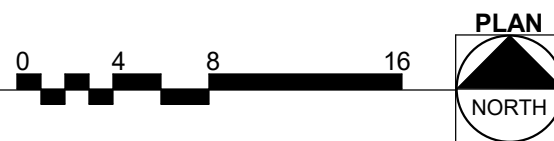
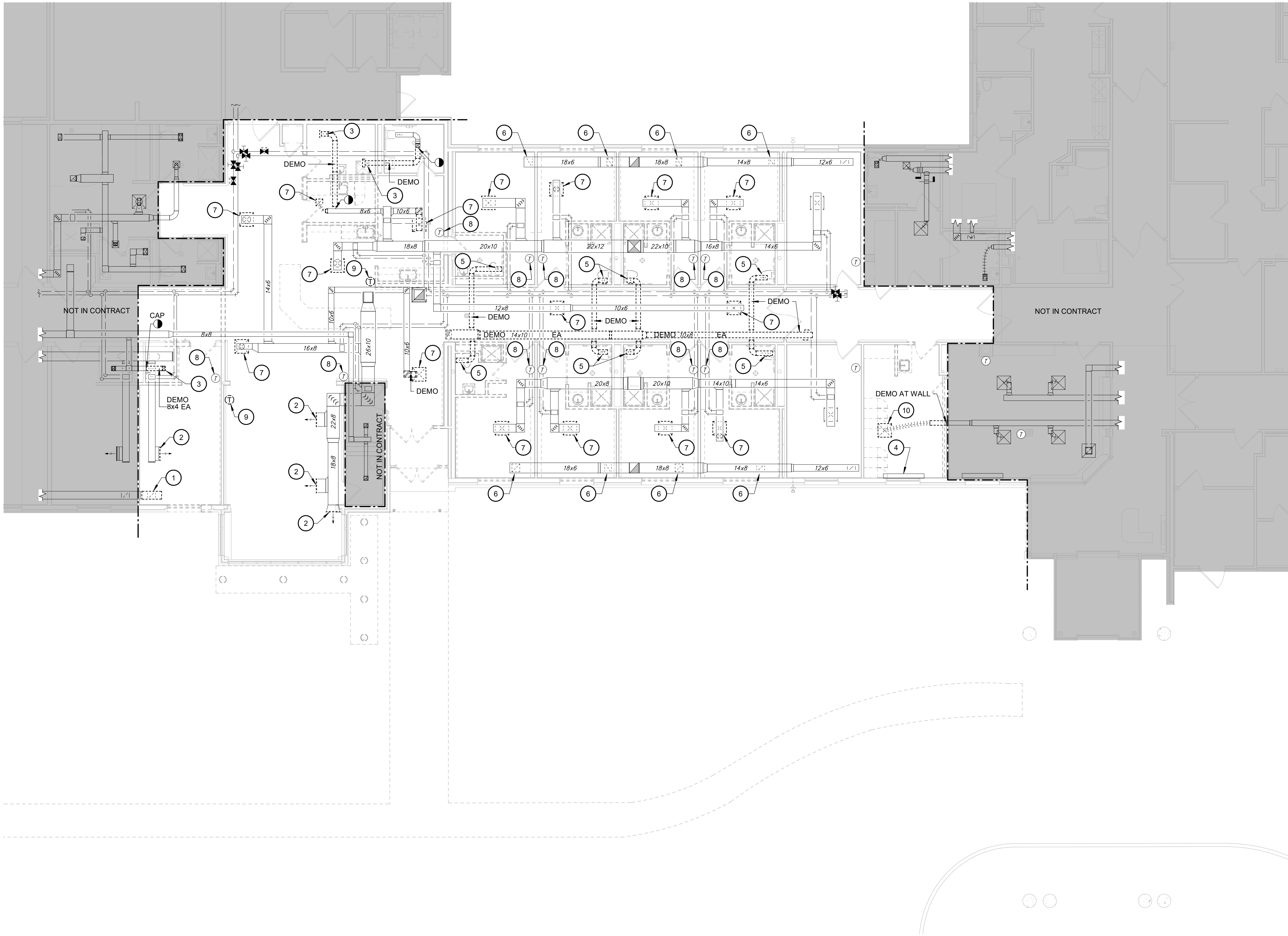
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FIRST FLOOR MECHANICAL DEMOLITION PLAN

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

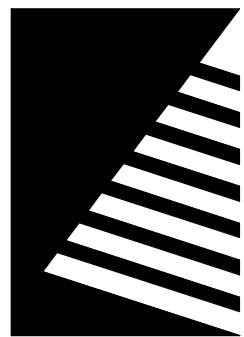


GENERAL NOTES

A. REMOVE THERMOSTATS FROM WALLS UNTIL NEW FINISHES ARE COMPLETE.
REINSTALL THERMOSTATS IN SAME LOCATION.

KEYNOTES

- 1 DEMO EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK. CAP REMAINING OPENING.
- 2 REMOVE AIR DEVICE FROM WALL TO ALLOW NEW FINISHES TO BE APPLIED TO EXISTING WALL. REINSTALL AIR DEVICE AFTER ALL WALL FINISHES HAVE BEEN APPLIED.
- 3
- 4 EXISTING BASEBOARD HEATER TO REMAIN.
- 5 DEMO EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK.
- 6 REMOVE AND REINSTALL EXISTING RETURN AIR GRILLE IN NEW CEILING GRID AT LOCATION SHOWN IN NEW WORK PHASE PLANS ON SHEET M1.1.
- 7 REMOVE EXISTING SUPPLY DIFFUSER AND FLEXIBLE DUCTWORK. REPLACE IN NEW LOCATION SHOWN ON SHEET M1.1. MODIFY EXISTING DUCTWORK AS NECESSARY TO MAKE NEW CONNECTION.
- 8 CONTRACTOR TO TEMPORARILY REMOVE EXISTING THERMOSTAT AND REPLACE IN SAME LOCATION WHEN WALL FINISHES ARE COMPLETED.
- 9 REMOVE THERMOSTAT FROM WALL. THERMOSTAT TO BE RE-INSTALLED IN NEW LOCATION.
- 10 REMOVE EXISTING SUPPLY DIFFUSER AND FLEXIBLE DUCTWORK. REPLACE IN NEW LOCATION SHOWN ON SHEET M1.1.



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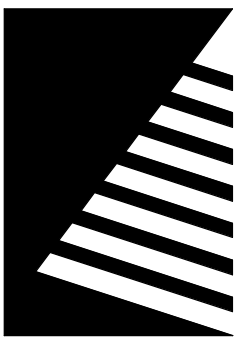
DATE: 01/15/2020
DESIGNED: VUJ
DRAWN: VUJ
REVIEWED: DRR

SHEET TITLE:
FIRST FLOOR
MECHANICAL
DEMOLITION PLAN

SHEET NUMBER:

MD1.1

PROJECT NO.: 0200707.00



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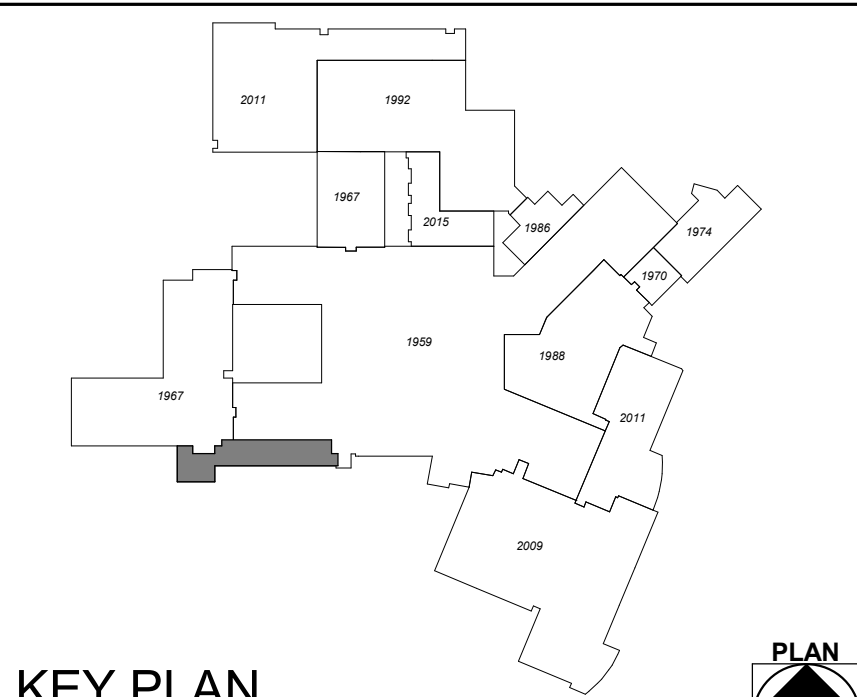
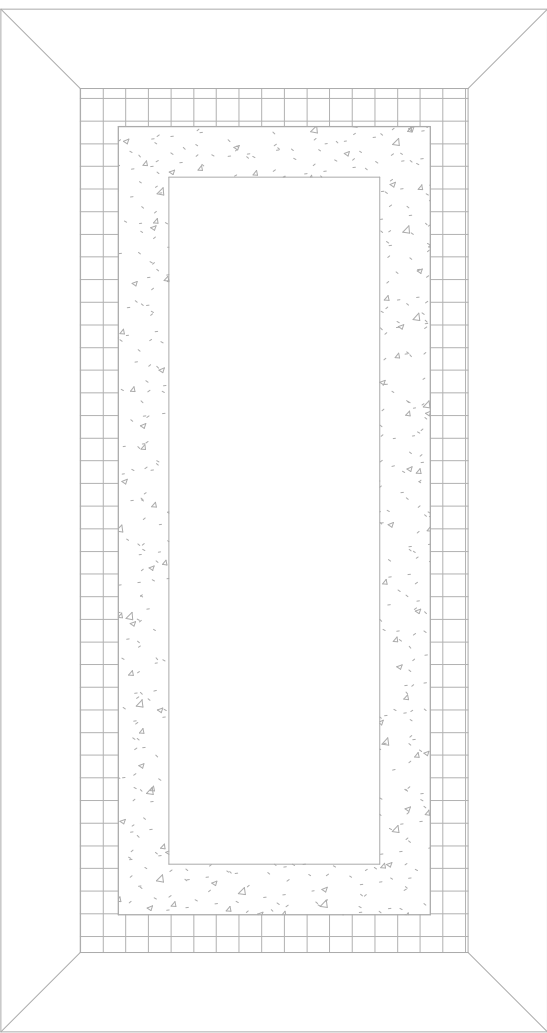
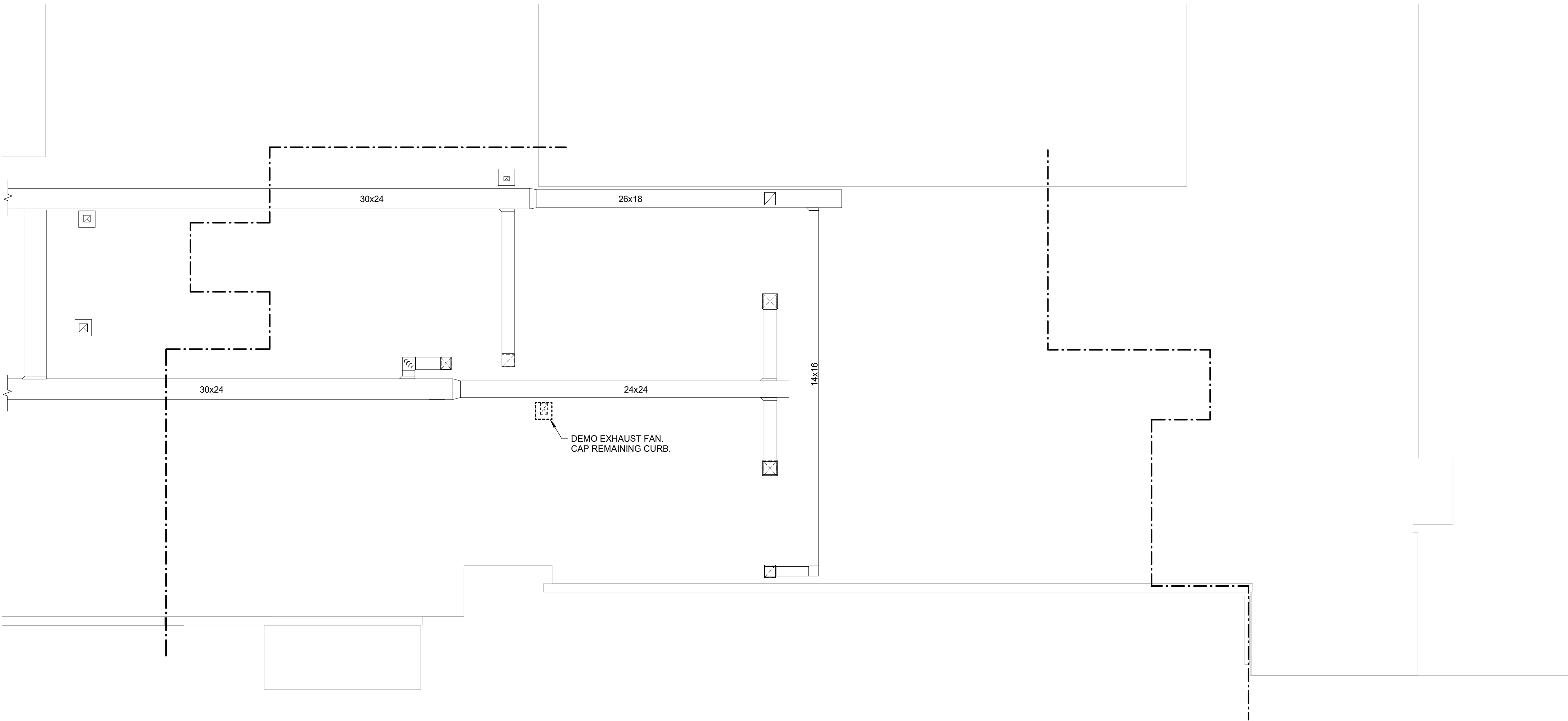
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REVIEWED:	DRR

SHEET TITLE:
ROOF MECHANICAL
DEMOLITION PLAN

SHEET NUMBER:

MD1.2

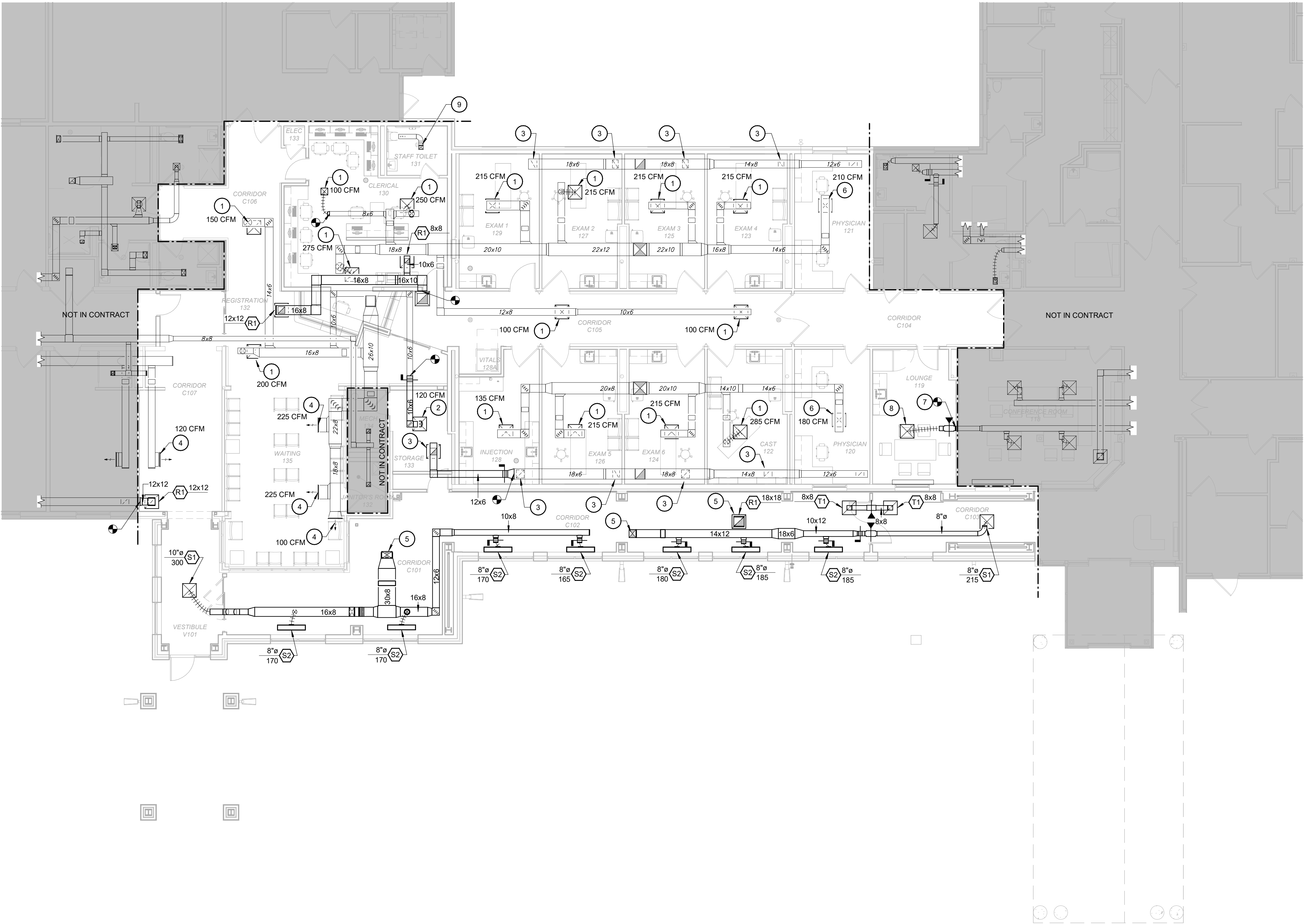
PROJECT NO.: 0200707.00



KEY PLAN
SCALE: NOT TO SCALE



AIR DEVICE SCHEDULE											
PLAN MARK	MANUFACTURER	MODEL	SERVICE	STYLE	MAX. N.C.	MAX. AIR P.D. (IN. W.C.)	MODULE SIZE	FRAME	FINISH	MATERIAL	REMARKS
R1	TITUS	PAR-AA	RETURN	PERFORATED	20	0.08	24X24	LAY-IN	WHITE	ALUMINUM	
S1	TITUS	OMNI-AA	SUPPLY	PLAQUE	20	0.08	24X24	LAY-IN	WHITE	ALUMINUM	
S2	TITUS	ML-39	SUPPLY	SLOT	20	0.12	48X7	LAY-IN	WHITE	ALUMINUM	1, 2
T1	TITUS	PAR-AA	TRANSFER	PERFORATED	20	0.08	24X24	LAY-IN	WHITE	ALUMINUM	
NOTES: 1. 4-SLOTS OF 1" SPACING. 2. INSTALL WITH LOW-PROFILE, INSULATED PLENUM											

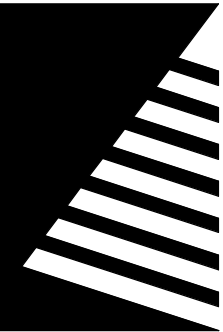


GENERAL NOTES

A. ADJUST BALANCING VALVES FOR HEATING COILS TO PROVIDE 95 DEGREES FAHRENHEIT SUPPLY AIR TEMPERATURE.

KEYNOTES #

- 1 REINSTALL PREVIOUSLY REMOVED SUPPLY AIR DIFFUSER IN NEW LOCATION AS SHOWN IN PLAN VIEW. INSTALL NECESSARY FLEXIBLE DUCTWORK FROM EXISTING SUPPLY DUCTWORK TO NEWLY INSTALLED AIR DIFFUSER. BALANCE EXISTING SUPPLY DIFFUSER TO CFM AMOUNT SHOWN IN PLAN VIEW.
- 2 REINSTALL PREVIOUSLY REMOVED SUPPLY AIR DIFFUSER IN NEW LOCATION AS SHOWN IN PLAN VIEW.
- 3 REINSTALL PREVIOUSLY REMOVED RETURN AIR GRILLE IN NEW LOCATION AS SHOWN IN PLAN VIEW. INSTALL NEW BRANCH DUCTWORK TO NEWLY INSTALLED AIR GRILLE FROM EXISTING RETURN AIR MAIN. BALANCE EXISTING RETURN AIR GRILLE TO CFM AMOUNT SHOWN IN PLAN VIEW.
- 4 REINSTALL PREVIOUSLY REMOVED SUPPLY AIR DIFFUSER IN NEW LOCATION AS SHOWN IN PLAN VIEW. BALANCE TO AIRFLOW VALUE SHOWN IN PLAN VIEW.
- 5 NEW DUCTWORK DOWN FROM NEW ROOF.
- 6 BALANCE EXISTING SUPPLY DIFFUSER TO CFM AMOUNT SHOWN IN PLAN VIEW.
- 7 INSTALL NEW FIRE DAMPER AT WALL, ABOVE CEILING.
- 8 REINSTALL PREVIOUSLY REMOVED SUPPLY AIR DIFFUSER IN NEW LOCATION AS SHOWN IN PLAN VIEW. INSTALL NEW BRANCH WORK TO NEWLY INSTALLED SUPPLY DIFFUSER.
- 9 REBALANCE EXISTING BELT-DRIVE EXHAUST FAN TO 100 CFM.



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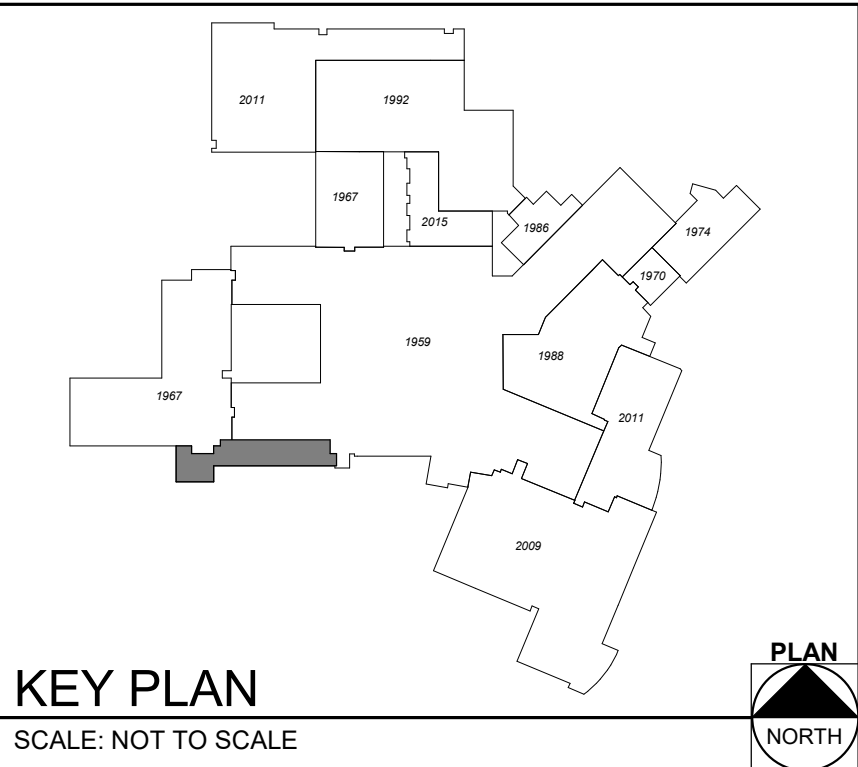
FIRST FLOOR
VENTILATION PLAN

SHEET NUMBER:

M1.1

PROJECT NO.: 0200707.00

1 FIRST FLOOR VENTILATION PLAN
SCALE: 1/8" = 1'-0"

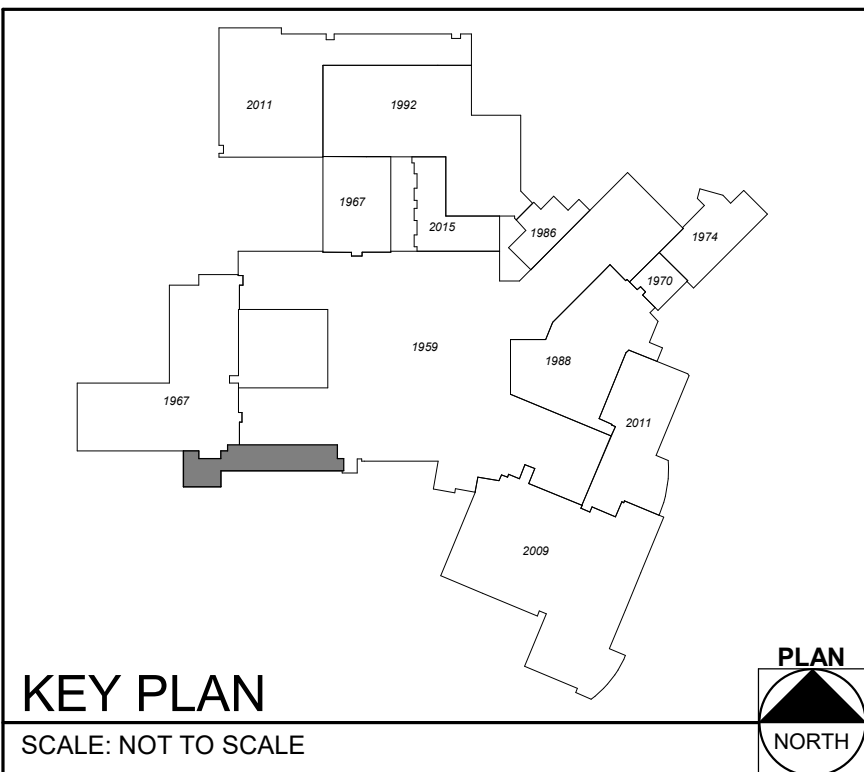
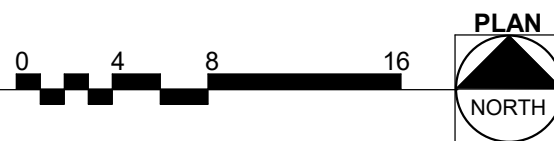
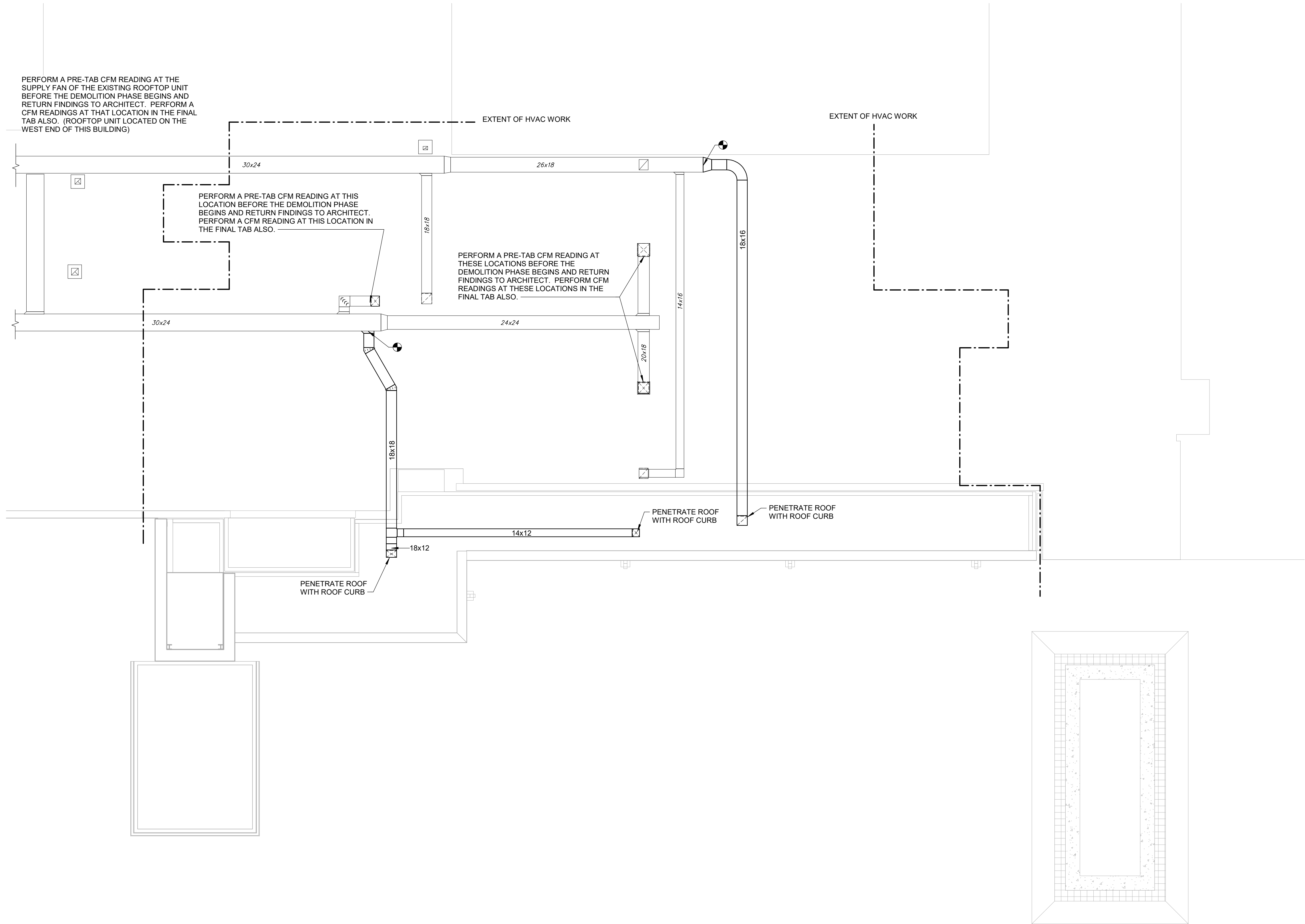


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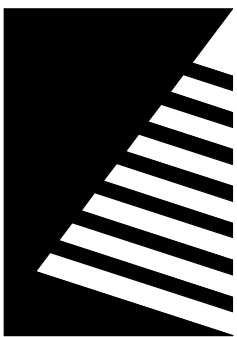
ROOF MECHANICAL PLAN

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



GENERAL NOTES

- A. EXISTING DUCTWORK IS INTERNALLY LINED WITH 3/4" ELASTOMERIC INSULATION. NEW INSULATION SHALL BE EXTERNALLY WRAPPED WITH ALUMINUM JACKET AND PAINTED WHITE TO MATCH EXISTING DUCTWORK.
- B. DUCT SUPPORTS FOR ROOF SHALL BE AT 8 FEET MAXIMUM SPACING.



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ISSUE:		
#	DATE:	DESCRIPTION:

Bid Set
01/15/2021

PROJECT:
Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE:	01/15/2020
DESIGNED:	VUJ
DRAWN:	VUJ
REVIEWED:	DRR

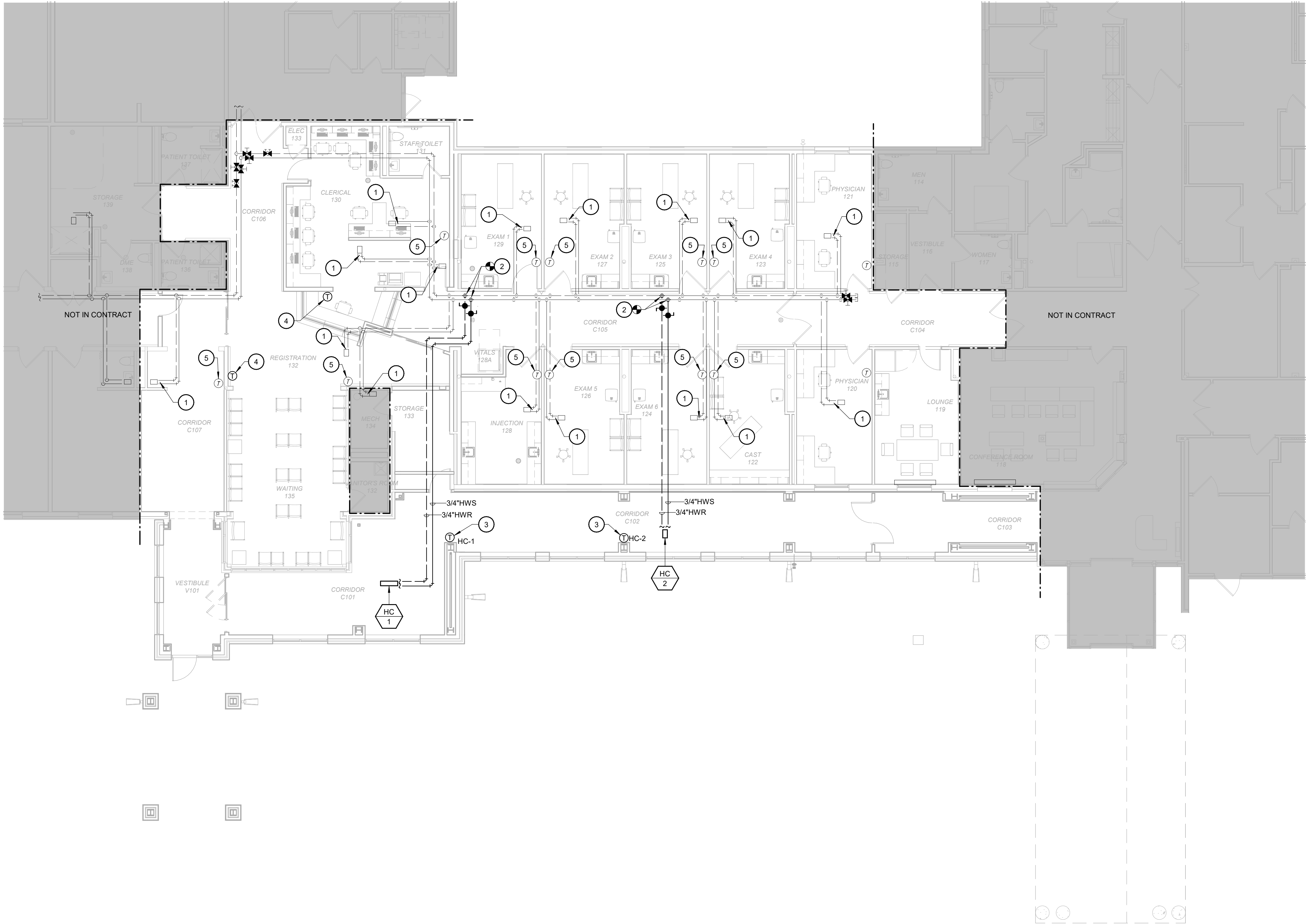
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ROOF MECHANICAL
PLAN

SHEET NUMBER:

M1.2

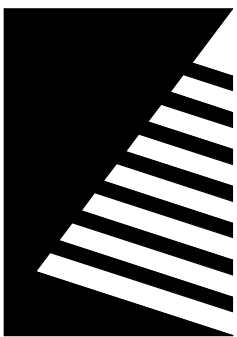
PROJECT NO.: 0200707.00

HEATING COIL SCHEDULE													
PLAN MARK	MANUFACTURER	MODEL	LOCATION	CFM	MAX. AIR P.D. (IN. W.C.)	TOTAL CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (°F)	LWT (°F)	EAT (°F)	LAT (°F)	REMARKS
HC 1	GREENHECK	HWxxF	NEW CORRIDOR	975	0.42	39.1	1.75	0.6	180	134	55	90	
HC 2	GREENHECK	HWxxF	NEW CORRIDOR	765	0.52	30.8	1.61	0.41	180	141	55	90	



KEYNOTES #

- ADJUST EXISTING BALANCING VALVE TO PRODUCE LEAVING AIR AT THE TEMPERATURE OF 95 DEGREES FAHRENHEIT.
- INSTALL NEW HYDRONIC PIPING FOR NEW HEATING COIL. CONNECT TO EXISTING HYDRONIC PIPING MAINS.
- LOCATE NEW THERMOSTAT AWAY FROM DIRECT SUNLIGHT.
- INSTALL PREVIOUSLY REMOVED THERMOSTAT IN THE LOCATION SHOWN IN PLAN VIEW.
- REINSTALL THERMOSTAT IN PREVIOUS LOCATION AFTER WALL FINISHES ARE COMPLETE.



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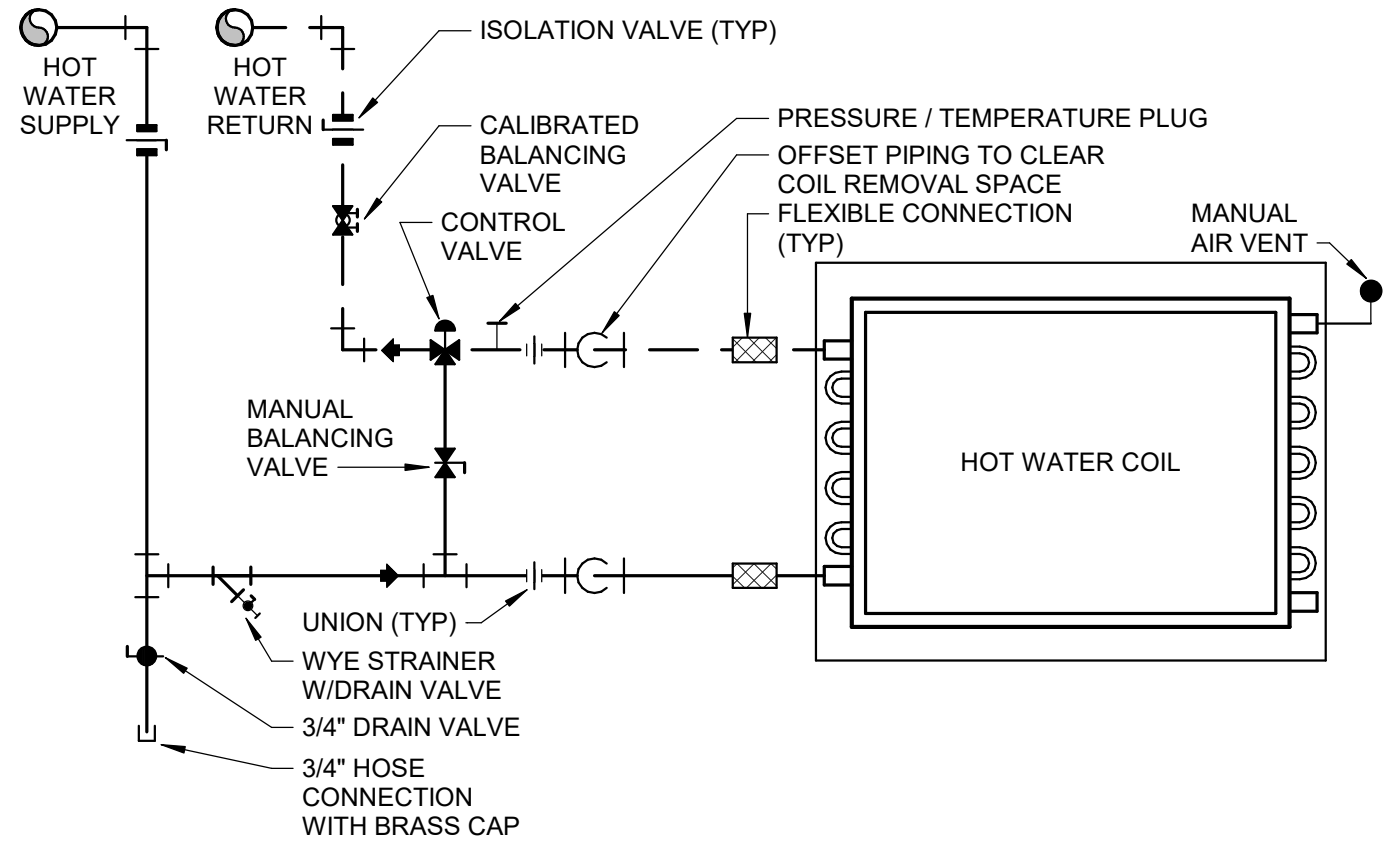
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FIRST FLOOR
HYDRONIC PLAN

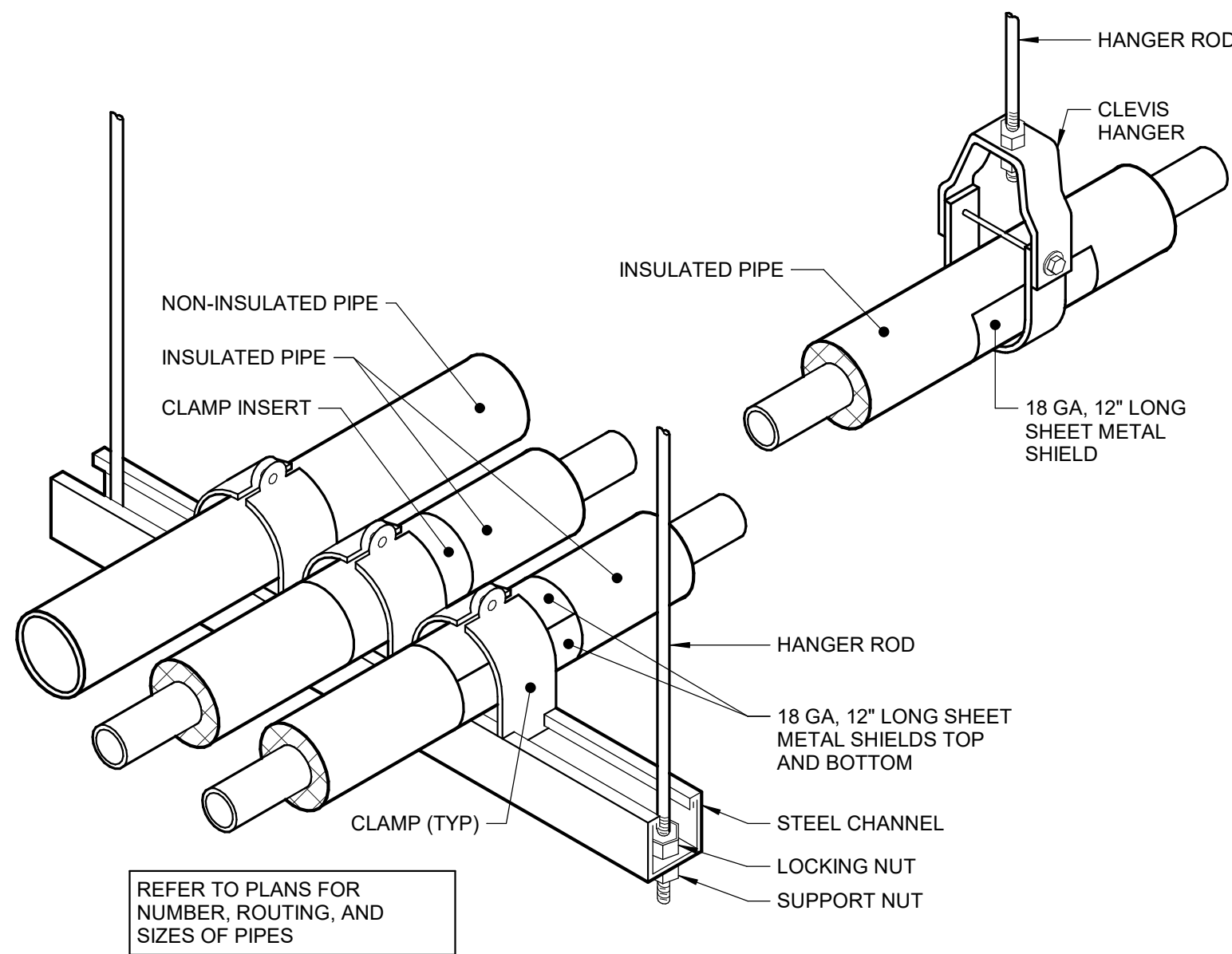
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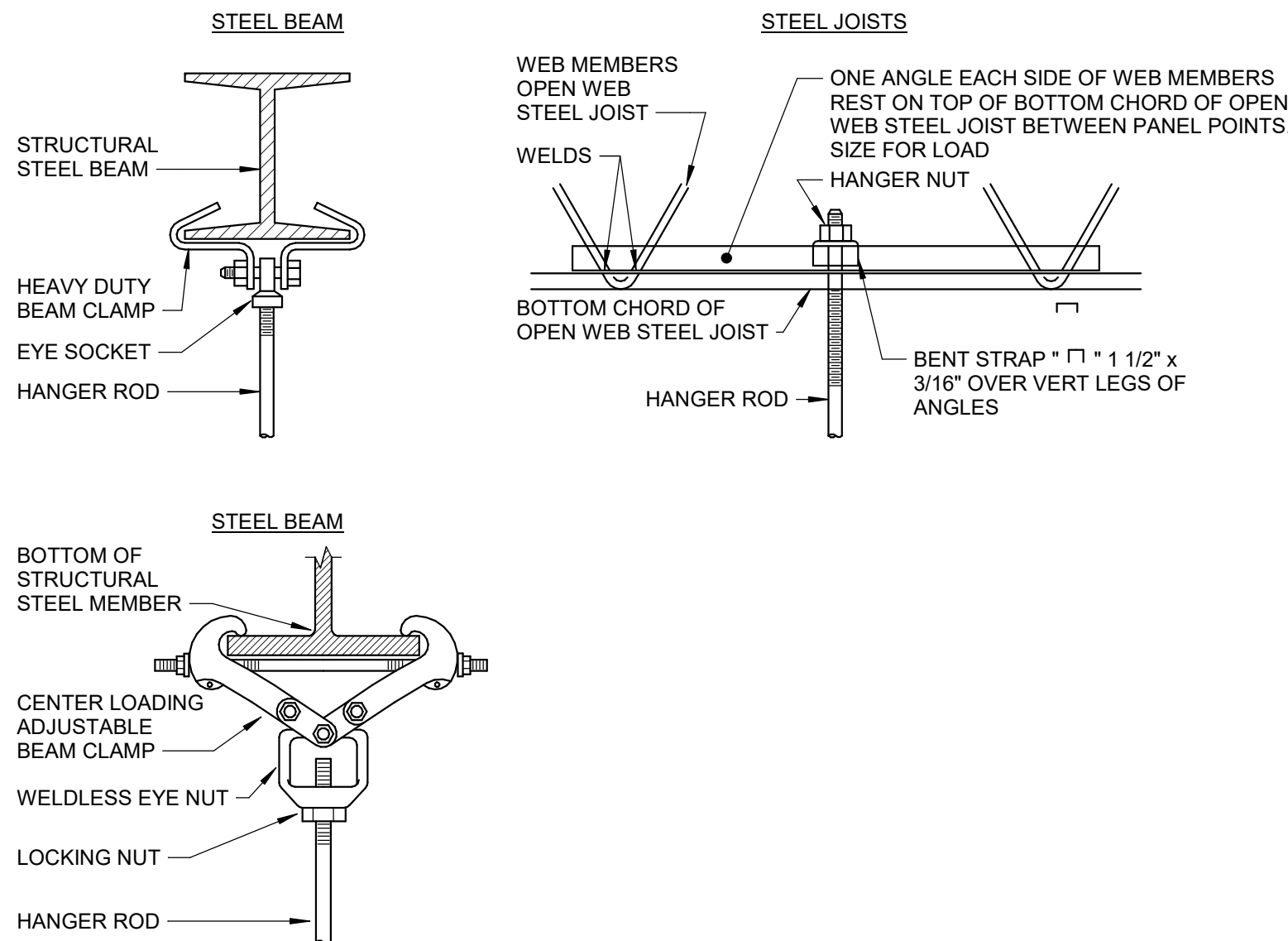
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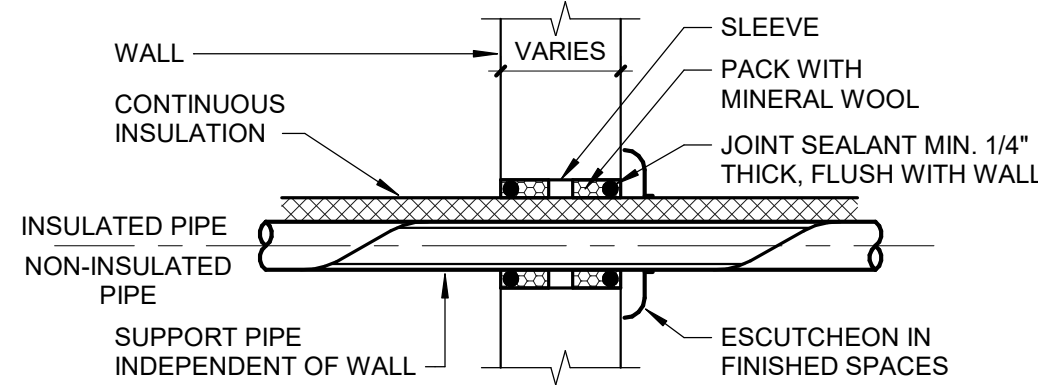
9 HOT WATER COIL W/3-WAY VALVE
SCALE: No Scale



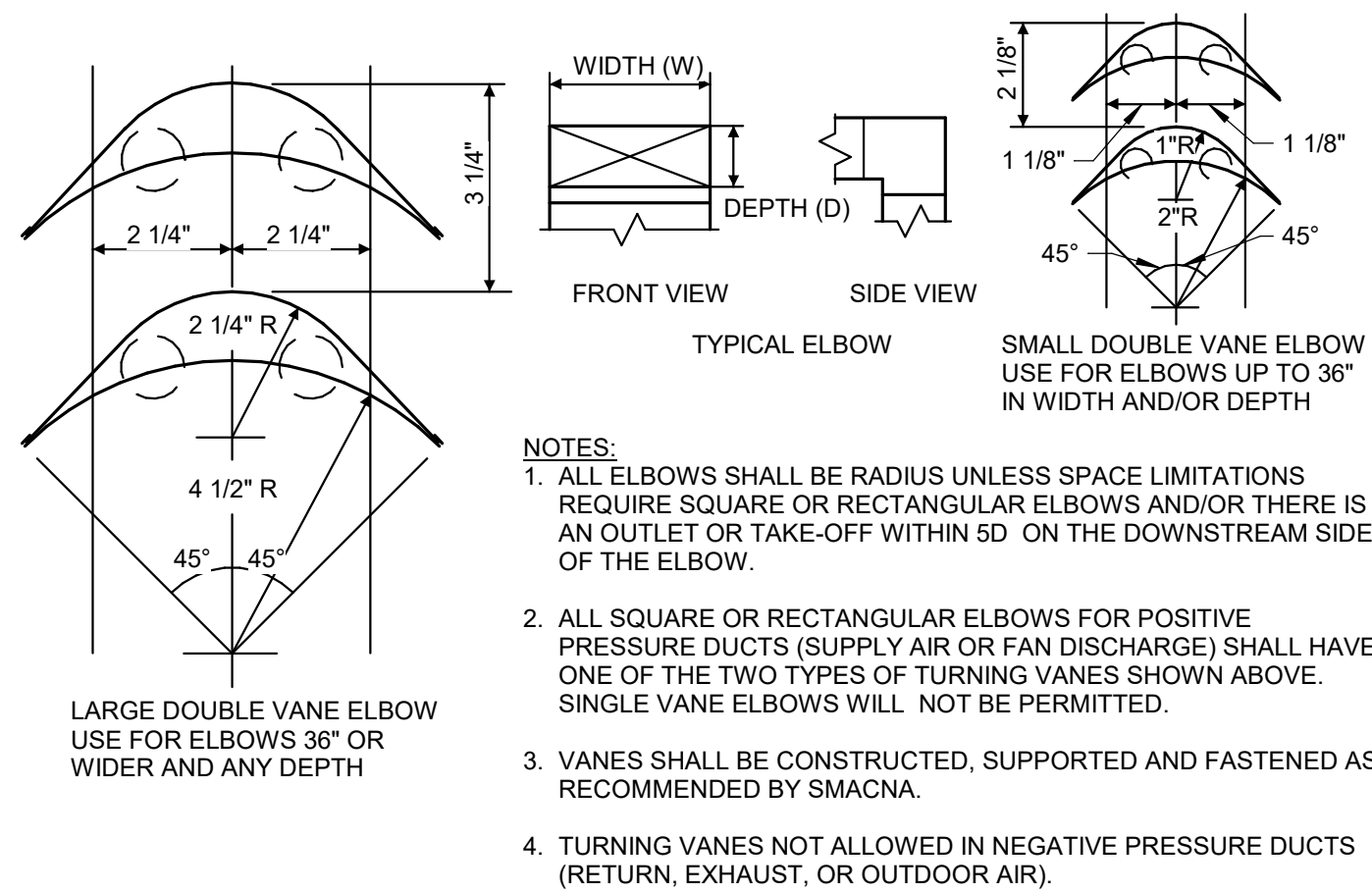
8 PIPING SUPPORTS
SCALE: No Scale



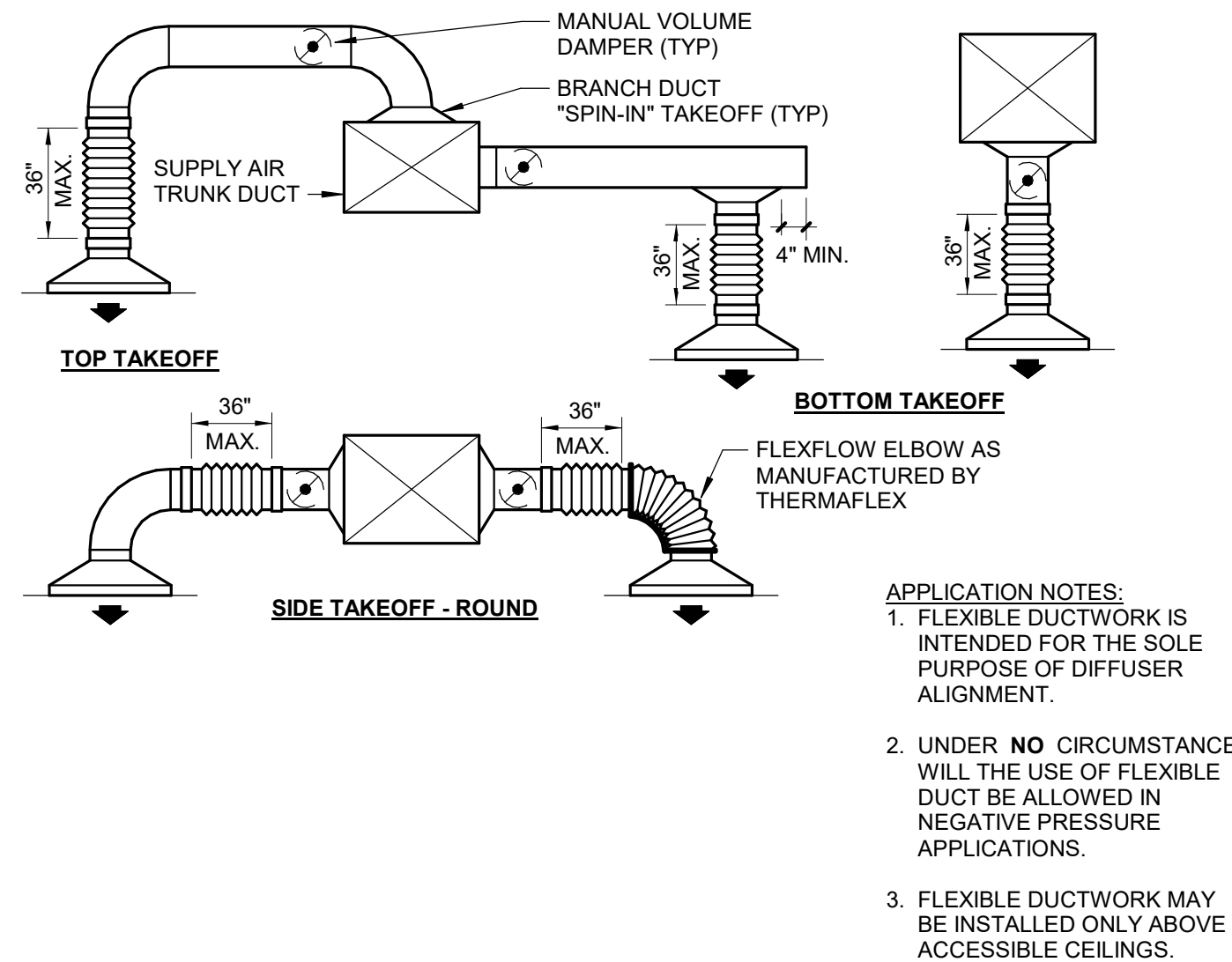
7 PIPING SUPPORT ATTACHMENT TO STRUCTURE
SCALE: No Scale



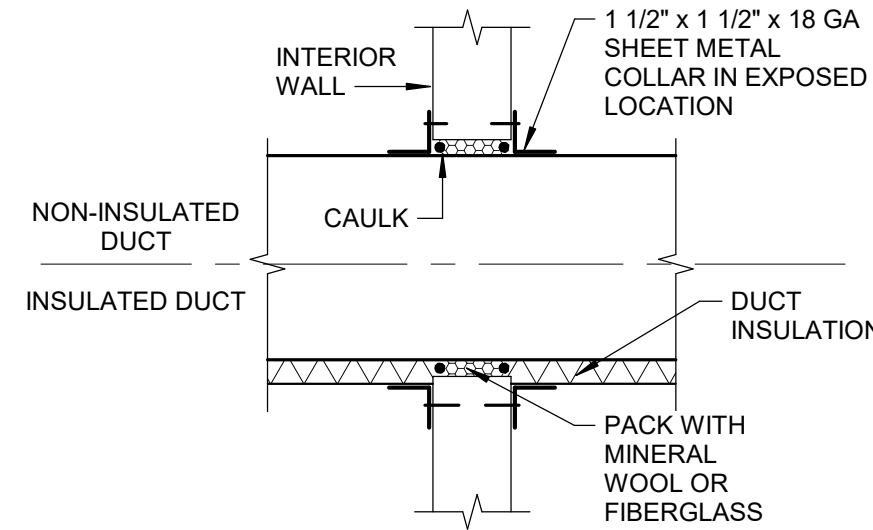
6 PIPE PENETRATION FOR NON-RATED WALLS AND FLOORS
SCALE: No Scale



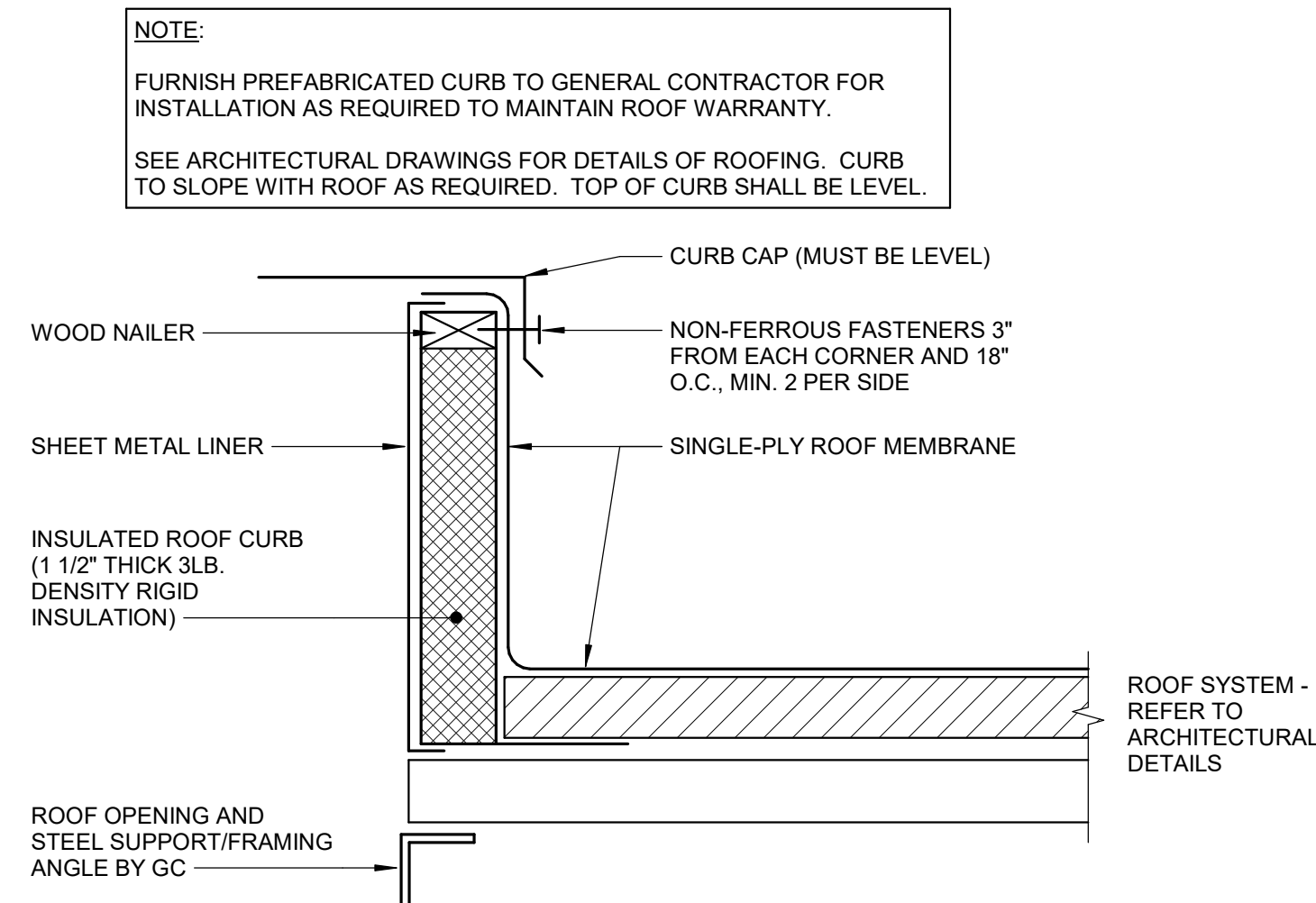
5 TURNING VANES
SCALE: No Scale



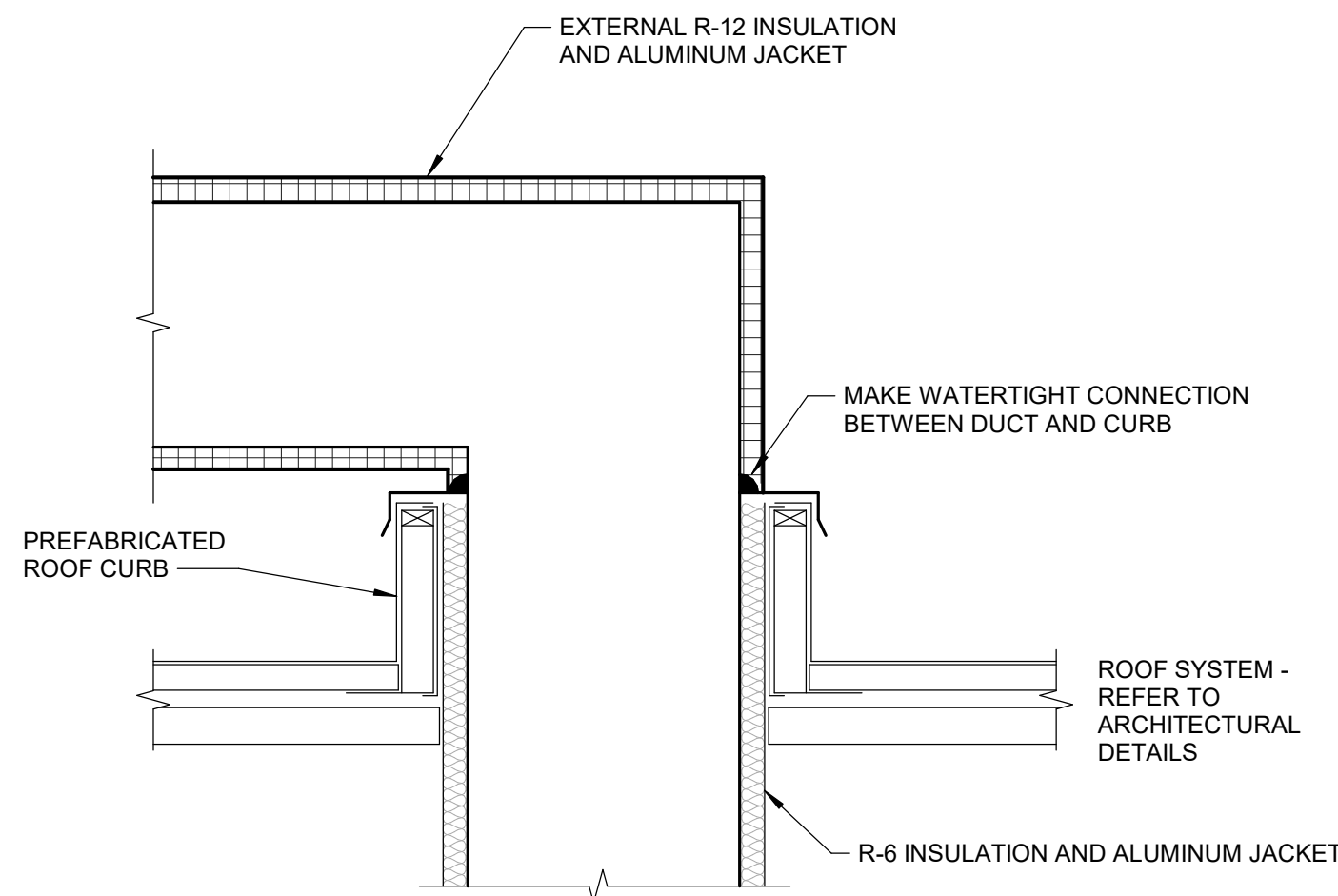
4 FLEXIBLE DUCT CONNECTIONS
SCALE: No Scale



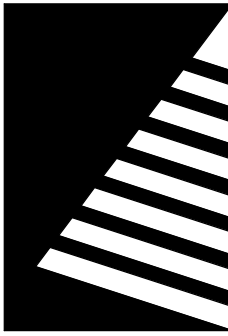
3 DUCT PENETRATION FOR NON-RATED WALLS
SCALE: No Scale



2 PREFABRICATED ROOF CURB
SCALE: No Scale



1 ROOF PENETRATIONS DETAIL
SCALE: No Scale



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DETAIL VIEWS

SHEET NUMBER:

M3.1

PROJECT NO.: 0200707.00

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

GENERAL

	MECHANICAL EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
	PLUMBING EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
	KEYNOTE
	FEEDER CALL-OUT
	FOOD SERVICE EQUIPMENT DESIGNATION
	ROOM NUMBER
	REVISION CALL-OUT
	NEW EQUIPMENT (TYPICAL)
	EXISTING EQUIPMENT (TYPICAL)
	DEMOLITION EQUIPMENT (TYPICAL)
	WALL MOUNT BRACKET (TYPICAL)

WIRING AND CONDUITS

	CONDUIT - CONCEALED IN SUSPENDED CEILING OR WALL
	CONDUIT - EXPOSED
	CONDUIT - CONCEALED BELOW SLAB OR GRADE
	CONDUIT - TURNING UP
	CONDUIT - TURNING DOWN
	CONDUIT - UP AND DOWN (CHANGE IN ELEVATION)
	CONDUIT - CONTINUED
	CONDUIT - FLEXIBLE
	CONDUIT - CAPPED
	JUNCTION BOX
	JUNCTION BOX - EMERGENCY POWER
	CONDUIT FITTING (CONDULET)
	EXPANSION FITTING
	SEALING FITTING
	CABLE TRAY

COMMUNICATIONS (FOR ROUGH-IN ONLY WITH 1" CONDUIT TO ACCESSIBLE CEILING)

	TELEPHONE TERMINAL BACKBOARD (PROVIDE WITH 3/4" FIRERATED PLYWOOD)
	TELEPHONE OUTLET - WALL MOUNTED
	TELEPHONE OUTLET - FLUSH FLOOR MOUNTED
	TELEPHONE OUTLET - CEILING MOUNTED
	DATA OUTLET - WALL MOUNTED
	DATA OUTLET - ABOVE COUNTER
	DATA OUTLET - FLUSH FLOOR MOUNTED
	DATA OUTLET - CEILING MOUNTED
	COMBINATION TELEPHONE/DATA OUTLET - WALL MOUNTED
	COMBINATION TELEPHONE/DATA OUTLET - ABOVE COUNTER
	COMBINATION TELEPHONE/DATA OUTLET - FLUSH FLOOR MOUNTED
	COMBINATION TELEPHONE/DATA OUTLET - CEILING MOUNTED
	WIRELESS ACCESS POINT

POWER

	BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED
	DISTRIBUTION PANELBOARD OR SWITCHBOARD
	TRANSFORMER
	POLE MOUNTED TRANSFORMER
	MOTOR CONTROL CENTER
	CONTROL PANEL
	GROUND BAR
	UTILITY KILOWATT-HOUR METER
	SAFETY SWITCH - NON-FUSIBLE
	SAFETY SWITCH - FUSIBLE
	ENCLOSED CIRCUIT BREAKER
	MAGNETIC STARTER
	COMBINATION STARTER VFD VARIABLE FREQUENCY DRIVE
	EQUIPMENT - MOTOR
	DUPLEX RECEPTACLE (NEMA 5-20R) GFI GROUND FAULT CIRCUIT INTERRUPTER SS SURGE SUPPRESSOR (ISOLATED GROUND TYPE) WP WEATHERPROOF HG HOSPITAL GRADE TR TAMPER RESISTANT D DEDICATED USB STANDARD DUPLEX WITH 2 USB PORTS
	DUPLEX RECEPTACLE - ABOVE COUNTER
	DUPLEX RECEPTACLE - SPLIT WIRED
	DUPLEX RECEPTACLE - EMERGENCY POWER
	DUPLEX RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
	QUADRUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE - ABOVE COUNTER
	QUADRUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
	SINGLE RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE - CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACLE - FLUSH FLOOR MOUNTED
	FLOOR BOX - SEE SPECS OR KEYED NOTES ON PLAN FOR DETAILS
	POWER POLE
	CEILING FAN
	HAND DRYER

NURSE CALL

	NURSE CALL CONTROL PANEL
	NURSE CALL DEVICE P PULL CORD B BED STATION D DUTY STATION M MASTER STATION
	NURSE CALL DOME LIGHT

LIGHTING

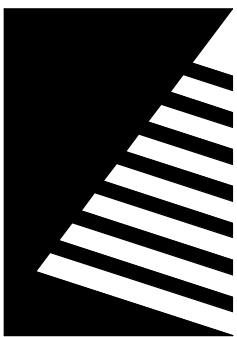
	LUMINAIRE TYPE
	LUMINAIRE - RECESSED (REFER TO LUMINAIRE SCHEDULE)
	CONNECTED FOR NIGHT LIGHT USE CIRCUIT NUMBER AND SWITCH LEG (LUMINAIRES ARE CONTROLLED BY LOCAL SWITCH UNLESS DESIGNATION GIVEN)
	PANEL NAME
	LUMINAIRE - SURFACE MOUNTED
	RECESSED LUMINAIRE CONNECTED TO THE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER
	OPEN INDUSTRIAL LUMINAIRE
	OPEN INDUSTRIAL LUMINAIRE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER
	WALL MOUNTED LUMINAIRE
	RECESSED DOWNLIGHT - CEILING MOUNTED
	RECESSED DOWNLIGHT w/ EMERGENCY BALLAST/DRIVER - CEILING MTD.
	SURFACE MOUNTED DOWNLIGHT
	RECESSED ADJUSTABLE/WALLWASH - CEILING MOUNTED
	POLE MOUNTED SITE LIGHTING - SINGLE HEAD
	POLE MOUNTED SITE LIGHTING - DUAL HEAD
	POLE MOUNTED SITE LIGHTING - TRIPLE HEAD
	POLE MOUNTED SITE LIGHTING - QUAD HEAD
	LINEAR PENDANT
	PENDANT
	TRACK LIGHTING
	EXIT SIGN - SINGLE FACE, CEILING MOUNTED ARROW INDICATES DIRECTION OF EXIT
	EXIT SIGN - SINGLE FACE, WALL MOUNTED
	EXIT SIGN - DUAL FACE, CEILING MOUNTED
	EXIT SIGN - DUAL FACE, WALL MOUNTED
	EXIT SIGN WITH EMERGENCY LIGHT ARROW INDICATES DIRECTION OF EXIT
	EMERGENCY LIGHT
	TOGGLE SWITCH 2 DOUBLE-POLE SINGLE-THROW (DPST) 3 3-WAY 4 4-WAY b LOWER CASE LETTER DENOTES LTG. SWITCH GROUP D DIMMER (WALL BOX TYPE) K KEY OPERATED LV LOW VOLTAGE SWITCH MC MOMENTARY CONTACT SWITCH OS WALL BOX OCCUPANCY SENSOR OS2 WALL BOX OCCUPANCY SENSOR FOR TWO LEVEL SWITCHING P PILOT LIGHT T TIMER TC TEACHER CONTROLS STATION TE TEACHER ENTRY STATION VS WALL BOX VACANCY SENSOR WP WEATHERPROOF
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
	CEILING MOUNTED DAYLIGHT SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
	CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
	PHOTOCCELL
	ROOM CONTROLLER
	LIGHTING CONTACTOR
	LIGHTING RELAY PANEL
	INVERTER

FIRE ALARM

	MAIN CONTROL PANEL (FCP) FCP F/A MAIN CONTROL PANEL FSA FIRE SYSTEM ANNUNCIATOR FTR F/A TRANSPONDER OR TRANSMITTER ESR ELEVATOR STATUS RECALL FRP F/A RELAY PANEL FAC F/A COMMUNICATOR FPS FIRE ALARM ANNUNCIATION CIRCUIT POWER SUPPLY
	MANUAL PULL STATION
	SMOKE DETECTOR P PHOTOELECTRIC PL PLENUM SMOKE DETECTOR S SOUNDER BASE
	DUCT DETECTOR HOUSING AND SAMPLING TUBE
	THERMAL (HEAT) DETECTOR R RATE OF RISE ONLY F FIXED TEMPERATURE L LINE TYPE FIXED TEMPERATURE CABLE ALL HEAT DETECTORS SHALL BE 135°, COMBINATION TYPE UNLESS INDICATED OTHERWISE.
	SUPERVISORY SWITCH - DRY-PIPE PRESSURE SWITCH
	SUPERVISORY SWITCH - TAMPER SWITCH
	SUPERVISORY SWITCH - WATER FLOW SWITCH
	CONTROL DEVICE - DOOR HOLD OPEN
	ADDRESSABLE INTERFACE MODULE C CONTROL M MONITORING S SIGNALLING V SOLENOID VALVE
	NOTIFICATION APPLIANCE C CHIME H HORN LF LOW FREQUENCY
	NOTIFICATION APPLIANCE - STROBE ONLY CANDELA VALUE AS SHOWN MINIMUM
	NOTIFICATION APPLIANCE WITH STROBE CANDELA VALUE AS SHOWN MINIMUM C CHIME H HORN LF LOW FREQUENCY
	SHUNT TRIP PUSH BUTTON
	NOTIFICATION APPLIANCE (CEILING) C CHIME STROBE H HORN STROBE LF LOW FREQUENCY CANDELA VALUE AS SHOWN MINIMUM
	CARBON MONOXIDE DETECTOR
	CEILING MOUNTED COMBINATION VOICE EVACUATION SPEAKER AND STROBE CANDELA VALUE AS SHOWN MINIMUM
	COMBINATION VOICE EVACUATION SPEAKER AND STROBE NOTIFICATION APPLIANCE CANDELA VALUE AS SHOWN MINIMUM
	CEILING MOUNTED VOICE EVACUATION SPEAKER
	VOICE EVACUATION SPEAKER NOTIFICATION APPLIANCE
	REMOTE TEST SWITCH

SPECIAL SYSTEMS

	ACCESS CONTROL CONTROL PANEL
	DVR AND RACK
	CARD READER - WITH 3/4" CONDUIT K WITH KEY PAD
	ELECTRIC STRIKE WITH 3/4" CONDUIT
	ELECTRO-MAGNETIC LOCK WITH 3/4" CONDUIT
	VIDEO MONITOR, FLAT SCREEN LCD WITH 3/4" CONDUIT
	DOOR STATUS SWITCH WITH 3/4" CONDUIT
	MOTION DETECTOR WITH 3/4" CONDUIT
	POWER SUPPLY FOR PTZ CAMERA WITH 3/4" CONDUIT
	4-CHANNEL CAMERA POWER SUPPLY WITH 3/4" CONDUIT
	INDOOR FIXED CAMERA WITH 3/4" CONDUIT PTZ PAN TILT ZOOM WP WEATHERPROOF
	TV OUTLET WITH 3/4" CONDUIT
	HANDICAP DOOR OPERATORS - SEE ARCHITECTURALS WITH 3/4" CONDUIT
	GLASS BREAK SENSOR WITH 3/4" CONDUIT
	VOLUME CONTROLLER - WITH 3/4" CONDUIT
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	INTERCOM MASTER STATION
	INTERCOM REMOTE STATION P PEDESTAL MOUNT S HIGH SECURITY G GENERAL USE
	PUSH BUTTON
	DOOR BELL SPEAKER/ CHIME
	CLOCK
	DOUBLE SIDED CLOCK
	REQUEST TO EXIT



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DRAWN: BPH/TMT/AJ

REVIEWED: BMS

SHEET TITLE:

GENERAL
INFORMATION

SHEET NUMBER:

E0.1

PROJECT NO.: 0200707.00

GENERAL NOTES

COMMON REQUIREMENTS:

- A. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS, AND BUILDING DETAILS. VERIFY LOCATION OF ALL WALL OUTLETS, SWITCHES, ETC., WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS.
- B. PRIOR TO ROUGH-IN AND FINAL CONNECTION OF EQUIPMENT, VERIFY ELECTRICAL REQUIREMENTS OF EQUIPMENT WITH OTHER TRADES CONSTRUCTION DOCUMENTS AND FINALIZED SHOP DRAWINGS. VERIFICATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: VOLTAGE, AMPERAGE, TOTAL LOAD, OVER-CURRENT PROTECTION REQUIREMENTS, MOUNTING HEIGHT OF ELECTRICAL CONNECTION, CABLE TYPE AND SIZE, WIRING DIAGRAMS.
- C. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LAYOUT OF LUMINAIRES AND CEILING TYPES. VERIFY CEILING TYPES PRIOR TO ORDERING LUMINAIRES.
- E. REFER TO ARCHITECTURAL PLANS TO CONFIRM ALL FIRE-RATED CEILINGS AND WALLS.
1. ALL PENETRATIONS OF FIRE-RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS' LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS." THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. THESE FINAL AND APPROVED DRAWINGS SHALL BE READILY AVAILABLE TO THE LOCAL INSPECTORS AT ALL TIMES AT THE PROJECT SITE.
- F. ALL LIGHT FIXTURES SHALL BE EQUIPPED WITH A GREEN GROUND WIRE BONDED TO THE HOUSING.
- G. FINISH OF ALL LIGHTING FIXTURES IS SUBJECT TO ARCHITECT'S APPROVAL. SUBMIT SAMPLES IF REQUESTED.
- H. THE ELECTRICAL CONTRACTOR SHALL BE HELD FINANCIALLY RESPONSIBLE FOR ANY AND ALL COSTS OF THE ENGINEERS TIME REQUIRED TO REVIEW AND RESEARCH NON-SPECIFIED EQUIPMENT SUBMITTED FOR SUBSTITUTION BY THE ELECTRICAL CONTRACTOR. THESE COSTS SHALL BE AUTOMATICALLY INVOICED TO THE CONTRACTOR UNLESS SUCH SUBSTITUTIONS FOLLOW THE GUIDELINES FOR SUBSTITUTION AND ARE WITHIN THE PROPER TIME FRAME AS OUTLINED IN OTHER SECTIONS OF THIS SPECIFICATION.
- I. PROVIDE AND INSTALL IN EACH PANEL, TYPEWRITTEN NEAT TWO-COLUMN CIRCUIT INDEX CARD SET UNDER PLASTIC COVERS ON INSIDE OF DOORS. EACH ODD-NUMBERED CIRCUIT SHALL BE IN SEQUENCE ON ONE COLUMN AND THE EVEN-NUMBERED CIRCUITS ON THE OTHER COLUMN (E.G. 1,3,5...2,4,6...). EACH CIRCUIT SHALL BE IDENTIFIED AS TO THE USE AND ROOM NAME(S) OR AREA(S). THE CONTRACTOR SHALL CONFIRM ROOM NAMES AND/OR ROOM NUMBERS WITH THE ARCHITECT PRIOR TO PROJECT COMPLETION.
- J. CONTRACTOR SHALL NOT SCALE DRAWING FOR QUANTITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS.
- K. IF POSSIBLE, ALL NEWLY INSTALLED RECEPTACLES SHALL BE INSTALLED IN SEPARATE OR ADJACENT STUD SPACES, TO AVOID SOUND TRANSMISSION AND WALL INTEGRITY ISSUES. ALL NEWLY INSTALLED RECEPTACLES LOCATED IN COMMON STUD SPACES OF FIRE-RESISTANT WALLS SHALL BE EQUIPPED WITH FIRE-RESISTANT PUTTY PADS AT THE BACK OF EACH BOX IN ACCORDANCE WITH NEC.
- L. WHERE CONDUIT AND WIRING RUNS ARE NOT SHOWN ON FLOOR PLANS, THE CONTRACTOR SHALL DETERMINE AND PROVIDE THE REQUIRED CONDUIT AND WIRING FOR SPECIFIED CIRCUITING IN ACCORDANCE WITH NEC AND THE FOLLOWING MINIMUM REQUIREMENTS:
1. MINIMUM CONDUIT SIZE SHALL BE 3/4".
 2. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. #10 AWG SHALL BE USED FOR HOME RUNS OF 20 AMP BRANCH CIRCUITS OVER 100 FEET IN LENGTH.
 3. EACH RACEWAY SHALL CONTAIN AN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC.
 4. DERATING OF CONDUCTOR AMPACITY SHALL BE APPLIED PER NEC.
 5. NO SHARING OF NEUTRALS ALLOWED. CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTORS, ONE CIRCUIT, ONE NEUTRAL.
 6. MAXIMUM SIX FOOT FLEXIBLE LUMINAIRE WHIP SHALL BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES INSTALLED IN LAY-IN CEILINGS. MAXIMUM FOUR LUMINAIRE WHIPS SHALL BE CONNECTED FROM ONE JUNCTION BOX. FEED THRU BETWEEN LUMINAIRES SHALL NOT BE ALLOWED.
 - a. EXCEPTION: ALL RECESSED LUMINAIRES IN HARD CEILINGS SHALL HAVE FEED-THRU JUNCTION BOXES.

RENOVATION NOTES:

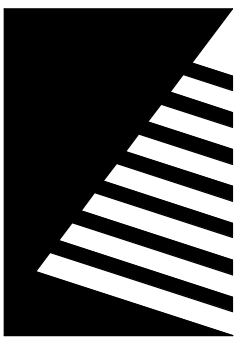
- A. RENOVATION OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, LUMINAIRES, ETC., IN EXISTING AREAS ARE APPROXIMATE ONLY.
1. DRAWINGS SHOW EXISTING CONDITIONS OF THE SITE. AN ATTEMPT HAS BEEN MADE TO SHOW EXISTING BUILDING, SITE DETAILS, ETC., BUT ACCURACY CANNOT BE GUARANTEED. VERIFY EXACT LOCATIONS OF ALL CIRCUITS, CONDUITS, PIPING, EQUIPMENT, ETC. VERIFY ALL SITE AND BUILDING DETAILS.
- B. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE WIREMOLD RACEWAY WITH #800 BEING THE MINIMUM SIZE ACCEPTABLE.
- C. EXISTING ELECTRICAL WIRINGS WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED. OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
- D. OUTLETS FROM WHICH LUMINAIRES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF IT IS NOT POSSIBLE TO REMOVE, PLACE A BLANK COVER ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC., ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
- E. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, IN A CRAWL SPACE OR IN AN ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED, THAT IT WILL NOT PROTRUDE BEYOND THE FINISHED SURFACE. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.
- F. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
- G. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- H. EXAMINE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
- I. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME LIMIT. CHANGEOVERS SHALL BE AS SHORT A DURATION AS POSSIBLE AND SHALL NOT INTERFERE WITH NORMAL OPERATION OF THE OWNER'S FACILITIES. NOTICE SHALL BE REQUIRED IN ADVANCE OF A SHUTDOWN OF ANY ELECTRICAL CIRCUIT FOR CHANGEOVER, AND SUCH A CHANGEOVER SHALL BE DONE DURING HOURS AS DIRECTED BY OWNER. WORK SHALL BE SCHEDULED SO THAT AT NO TIME WILL ANY EMERGENCY FEEDER, CIRCUIT, OR FIRE ALARM ZONE BE OUT OF SERVICE. PROVIDE NECESSARY TEMPORARY FEEDERS TO ACCOMPLISH THIS REQUIREMENT.
- J. EXISTING LOW VOLTAGE WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO CONDITION, OR POSITION, AS REQUIRED. PROPERLY RE-SECURE CABLE IN CHASES, CRAWL SPACES, TUNNELS, AND CEILING SPACES AS REQUIRED BY NEC. IN SOME CASES IT MAY BE NECESSARY TO ADD SUPPORTING HARDWARE TO ACCOMPLISH THIS REQUIREMENT.

DEMOLITION:

- A. RETURN REMOVED MATERIAL DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
- B. REMOVE ALL EXISTING WIRING DEVICES, LUMINAIRES, WIRE, CONDUIT, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN). REWORK AS NECESSARY CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
- C. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY LABOR, CONDUIT, WIRE, CONNECTIONS, ETC., FOR DEVICES, LUMINAIRES, ETC., NOTED AS "EXISTING TO REMAIN" SUCH THAT EXISTING CIRCUIT CONTINUITY IS MAINTAINED.
- D. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
- E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK IN REMOVING AND REPLACING "EXISTING TO REMAIN" LUMINAIRES, DEVICES, ETC., AS REQUIRED SO THAT THESE DEVICES ARE NOT DAMAGED DURING DEMOLITION. RELOCATED TO NEAREST APPROPRIATE LOCATION TO AVOID CONFLICTS WITH OTHER TRADES' WORK. REPLACE WITH NEW ANY "EXISTING TO REMAIN" LUMINAIRE, DEVICE, ETC., NOT DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE.
- F. REMOVED OR DAMAGED CONDUIT, WIRE, AND FITTINGS SHALL NOT BE REUSED FOR RELOCATED OR NEW DEVICES.
- G. MAKE AS-BUILTS WITH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS, INDICATING CIRCUIT DESCRIPTION (USED OR SPARE), CIRCUIT BREAKERS AND CIRCUIT LOAD.
- H. WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
1. REMOVAL OF FEEDER FROM EQUIPMENT TO POINT OF FEED.
 2. REMOVAL OR RE-CIRCUITING OF ALL BRANCH CIRCUITING.
 3. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
 4. PATCHING OF WALLS, FLOORS AND CEILINGS PER ARCHITECT'S INSTRUCTIONS.
 5. CAPPING OF FEEDER CONDUIT AT 6" ABOVE OR BELOW FLOOR/CEILING AS REQUIRED AND MARKING LOCATION OF POINT OF FEED WITH AN ENGRAVED BRASS TAG.
 6. REMOVAL OF FEEDER CONDUIT IF FOUND TO BE UNSALVAGEABLE BY ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE.
- I. EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN UNCHANGED", UNLESS NOTED OTHERWISE.

ABBREVIATIONS

%Z	IMPEDANCE	MCC	MOTOR CONTROL CENTER
(E)	EXISTING (ALSO COVERED BY TEXT WEIGHT)	MCP	MOTOR CIRCUIT PROTECTOR
(F)	FUTURE	MDF	MAIN DISTRIBUTION FRAME
(PART)	PARTIAL CIRCUIT	MDP	MAIN DISTRIBUTION PANEL
(R)	RELOCATE	MEPFP	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
A	AMPERES	MGB	MASTER GROUND BAR
AC	6" ABOVE COUNTER	MH	METAL HALIDE
ADA	AMERICANS WITH DISABILITIES ACT	MIN	MINIMUM
AF	AMPERES FRAME	MLO	MAIN LUG ONLY
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MOCP	MAXIMUM OVERCURRENT PROTECTION
AFF	ABOVE FINISHED FLOOR	MSB	MAIN SWITCHBOARD
AFG	ABOVE FINISHED GRADE	MTG	MOUNTING
AHJ	AUTHORITY HAVING JURISDICTION	MTS	MANUAL TRANSFER SWITCH
AIC	AMPERES INTERRUPTION CAPACITY	MVA	MEGAVOLT-AMPERES
AL	ALUMINUM	MW	MEGAWATT
AT	AMPERES TRIP	MWH	MEGAWATT-HOURS
ATS	AUTOMATIC TRANSFER SWITCH	N	NEUTRAL
AWG	AMERICAN WIRE GAUGE	N/A	NOT APPLICABLE
BMS	BUILDING MANAGEMENT SYSTEM	NC	NORMALLY CLOSED
C	CONDUIT	NEC	NATIONAL ELECTRIC CODE
CAM	CAMERA	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER	NF	NON-FUSED
CCTV	CLOSED CIRCUIT TELEVISION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
COW	COUNTER CLOCKWISE	NIC	NOT IN CONTRACT
OKT	CIRCUIT	NL	NIGHT LIGHT
CL	CENTER LINE	NO	NORMALLY OPEN
CLG	CEILING	NP	NAMEPLATE
CO	CONDUIT ONLY	NTS	NOT TO SCALE
ORI	COLOR RENDERING INDEX	OC	ON CENTER
CT	CURRENT TRANSFORMER	OD	OUTSIDE DIAMETER
CJ	COPPER	OH	OVERHEAD
CW	CLOCKWISE	OWN	OWNER
D	DEDICATED	P	POLE
DIA	DIAMETER	PA	PUBLIC ADDRESS
DISC	DISCONNECT	PB	PULL BOX
DIST	DISTRIBUTION	PC	PLUMBING CONTRACTOR
DPDT	DOUBLE POLE DOUBLE THROW	PF	POWER FACTOR
DPST	DOUBLE POLE SINGLE THROW	PH	PHASE
DR	DUPLEX RECEPTACLE	PIR	PASSIVE INFRARED
DWG	DRAWING(S)	PLC	PROGRAMMABLE LOGIC CONTROLLER
EC	ELECTRICAL CONTRACTOR	PNL	PANEL
ELC	ELEVATOR CONTRACTOR	PR	PAIR
ELEC	ELECTRIC/ELECTRICAL	PRI	PRIMARY
EM	EMERGENCY	PT	POTENTIAL TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	PV	PHOTOVOLTAIc
EQUIP	EQUIPMENT	PVC	POLYVINYL CHLORIDE
EVC	ELECTRIC WATER COOLER	PWC	PRE-WIRED CONTROLS
F	FUSED	PWR	POWER
FA	FIRE ALARM	RCPT	RECEPTACLE
FAA	FIRE ALARM ANNUNCIATOR	REQD	REQUIRED
FACP	FIRE ALARM CONTROL PANEL	RF	RADIO FREQUENCY
FC	FOOTCANDLE	RM	ROOM
FLA	FULL LOAD AMPERES	RMC	RIGID METAL CONDUIT
FMC	FLEXIBLE METAL CONDUIT	RNC	RIGID NON-METALLIC CONDUIT (SCH 40)
FO	FIBER OPTIC	RVAT	REDUCED VOLTAGE - AUTOTRANSFORMER
FPC	FIRE PROTECTION CONTRACTOR	SC	SHORT CIRCUIT
FS	FUSED SWITCH	SCC	SHORT CIRCUIT CURRENT RATING
FSC	FOOD SERVICE CONTRACTOR	SDP	SUBDISTRIBUTION PANEL
FSD	FIRE/SMOKE DAMPER	SEC	SECONDARY
FT	FOOT/FEET	SHLD	SHIELD(ED) (AS IN CABLE)
FVNR	FULL VOLTAGE, NON-REVERSING	SHT	SHEET
FVR	FULL VOLTAGE, REVERSING	SPD	SURGE-PROTECTIVE DEVICE
G/GND	GROUND/GROUNDING	SPDT	SINGLE POLE DOUBLE THROW
GC	GENERAL CONTRACTOR	SPST	SINGLE POLE SINGLE THROW
GEN	GENERATOR	SR	SINGLE RECEPTACLE
GF	GROUND FAULT	SS	SURGE SUPPRESSOR (ISOLATED GROUND TYPE)
GF/GFCI	GROUND FAULT INTERRUPTER	ST	SHUNT TRIP
H	HORIZONTALLY MOUNTED	SW	SWITCH
HG	HOSPITAL GRADE	SWBD	SWITCHBOARD
HH	HANDHOLE	SWGR	SWITCHGEAR
HID	HIGH INTENSITY DISCHARGE	TBD	TO BE DETERMINED
HOA	HAND-OFF-AUTO	TC	TIMECLOCK
HP	HORSEPOWER	TCC	TEMPERATURE CONTROLS CONTRACTOR
HPS	HIGH PRESSURE SODIUM	TEMP	TEMPERATURE
HZ	FREQUENCY	TR	TAMPER RESISTANT
I/O	INPUT/OUTPUT	TT	THERMAL TRIP SWITCH
ID	INSIDE DIAMETER	TTB	TELEPHONE TERMINAL BOARD
IDF	INTERMEDIATE DISTRIBUTION FRAME	TYP	TYPICAL
IG	ISOLATED GROUND	U	UTILITY
IMC	INTERMEDIATE METAL CONDUIT	UG	UNDERGROUND
ISC	SHORT CIRCUIT CURRENT	UL	UNDERWRITERS LABORATORY
JB	JUNCTION BOX	UON	UNLESS OTHERWISE NOTED
K	KELVIN (COLOR TEMPERATURE)	UPS	UNINTERRUPTABLE POWER SUPPLY
KCMIL	1000 CIRCULAR MILS	USB	STANDARD DUPLEX WITH 2 USB PORTS
KV	KILOVOLTS	V	VOLTS
KVA	KILVOLT-AMPERES	VA	VOLT-AMPERES
KW	KILOWATTS	VAC	VOLTS ALTERNATING CURRENT
KWH	KILOWATT-HOUR	VDC	VOLTS DIRECT CURRENT
LAN	LOCAL AREA NETWORK	VFD	VARIABLE FREQUENCY DRIVE
LC	LIGHTING CONTACTOR	VND	VENDOR
LCP	LIGHTING CONTROL PANEL	W	WATTS
LED	LIGHT EMITTING DIODE	W	WIRE
LF	LINEAR FOOT	WHM	WATTHOUR METER
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT	WP	WEATHERPROOF
LM	LUMEN	XFMR	TRANSFORMER
LTG	LIGHTING	XP	EXPLOSION PROOF
LV	LOW VOLTAGE		
MAX	MAXIMUM		
MC	MECHANICAL CONTRACTOR		
MCA	MINIMUM CIRCUIT AMPERES		
MCB	MAIN CIRCUIT BREAKER		



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01/15/2021

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DATE: 01/15/2021

DESIGNED: JDE

DRAWN: BPH/TMT/AJ

REVIEWED: BMS

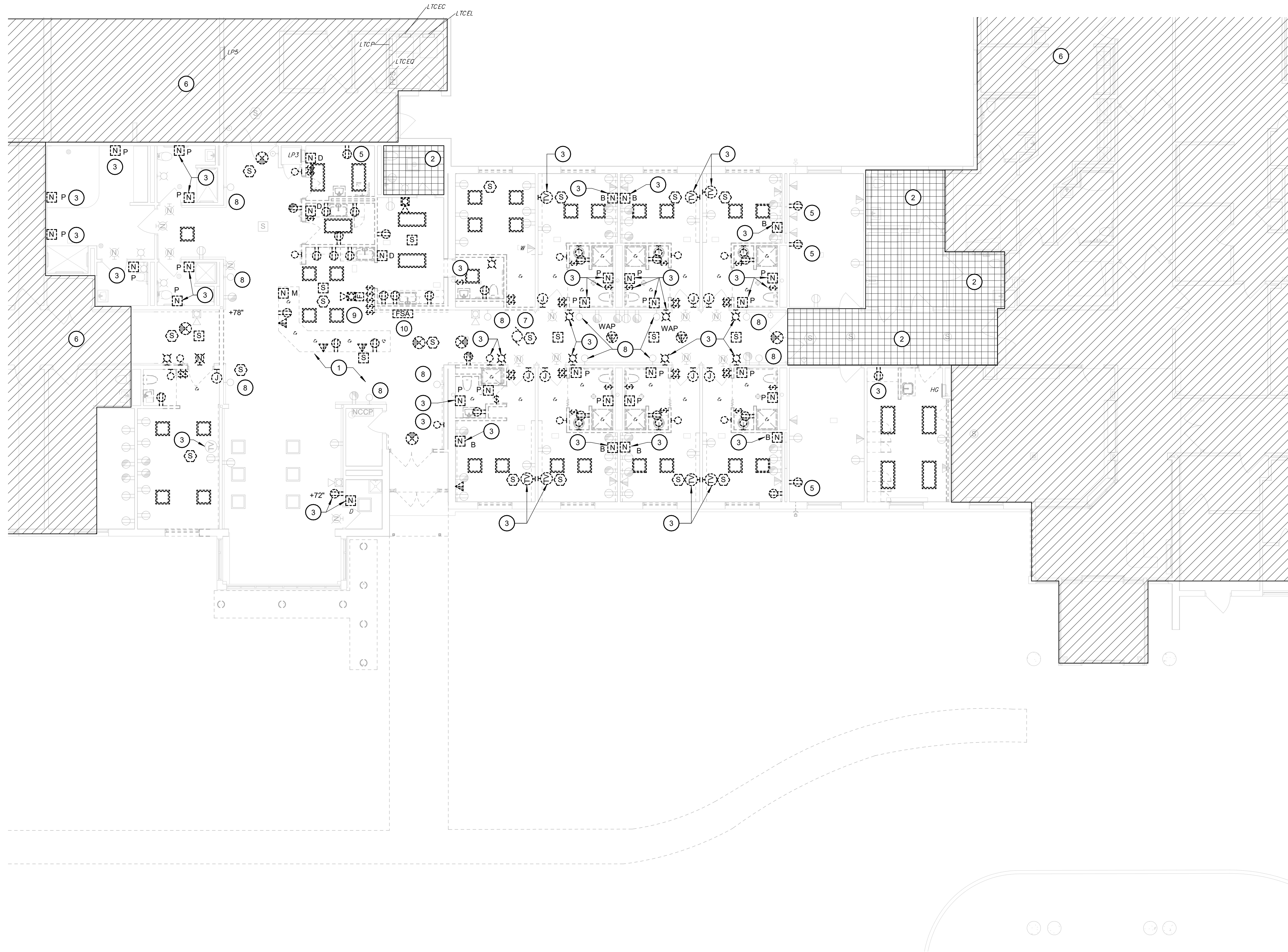
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GENERAL
INFORMATION

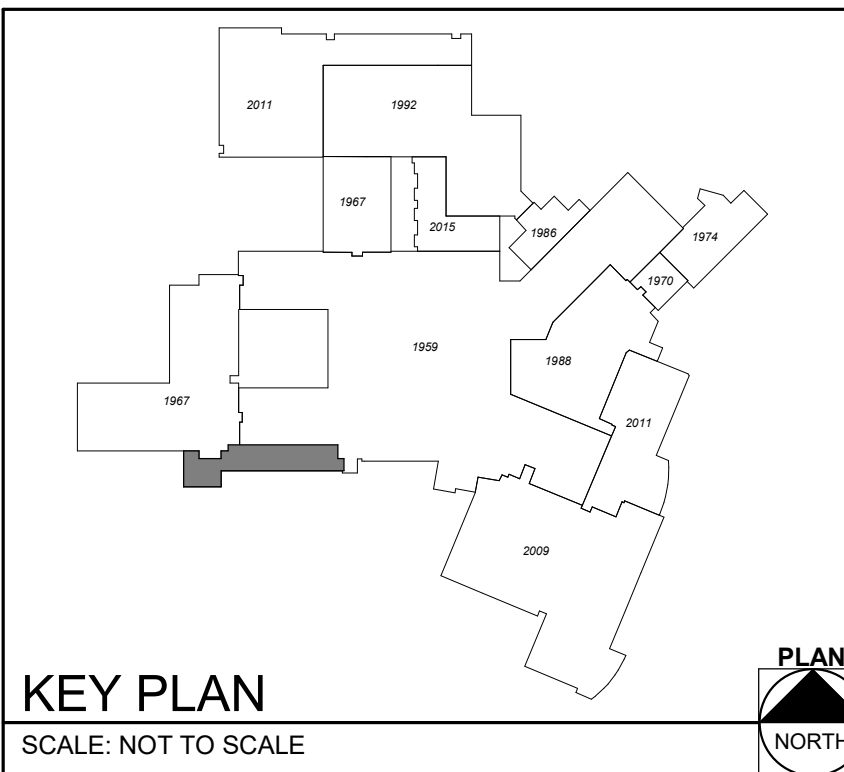
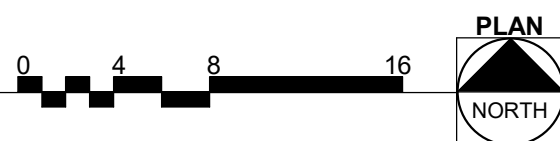
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E0.2

PROJECT NO.: 0200707.00



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

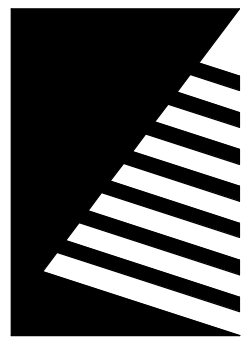


GENERAL NOTES

A. OWNER HAS FIRST RIGHT OF SALVAGE. COORDINATE WITH OWNER WHERE THEY WANT THE SALVAGE. ANYTHING THE OWNER DOES NOT SALVAGE SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

KEYNOTES #

- 1 REMOVE ALL EXISTING ELECTRICAL DEVICES LOCATED ON WALLS, CEILINGS, ETC. THAT ARE BEING REMOVED IN THIS PROJECT. REFER TO ARCHITECTURAL PLANS FOR REMOVED ITEMS. EXISTING ELECTRICAL ITEMS ON WALLS AND CEILINGS TO REMAN SHALL BE DEMOLISHED OR LEFT IN PLACE AS SHOWN ON PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUITY OF EXISTING CIRCUITS DURING DEMOLISION.
- 2 AREA IN ORTHO SUITE, NO DEMO.
- 3 REMOVE ALL WIRING DEVICES AND COVERS. EXISTING JUNCTION BOX AND CONDUIT TO REMAIN. INSTALL BLANK COVER OVER BOX. REMOVE ALL WIRING BACK TO NEAREST JUNCTION BOX. TAPE/SECURE ENDS OF WIRES IN BOX.
- 5 REMOVE EXISTING DEVICE, INSTALL NEW DEVICE SEE E2.1
- 6 NO ELECTRICAL DEMO WORK THIS AREA.
- 7 ELECTRICALLY DISCONNECT EXHAUST FAN ON ROOF FOR REMOVAL BY OTHER TRADES.
- 8 EXISTING WALL SCONE TO REMAIN AND BE RECIRCUITED. SEE SHEET E1.1.
- 9 REWORK LIGHTING CONTROL FOR WEST CORRIDOR, INTO WEST CORRIDOR.
- 10 RELOCATE UNIT. SEE E3.1.



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Renovation**

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DATE: 01/15/2021

DESIGNED: JDE

DRAWN: BPH/TMT/AJ

REVIEWED: BMS

SHEET TITLE:

**FIRST FLOOR
ELECTRICAL
DEMOLITION PLAN**

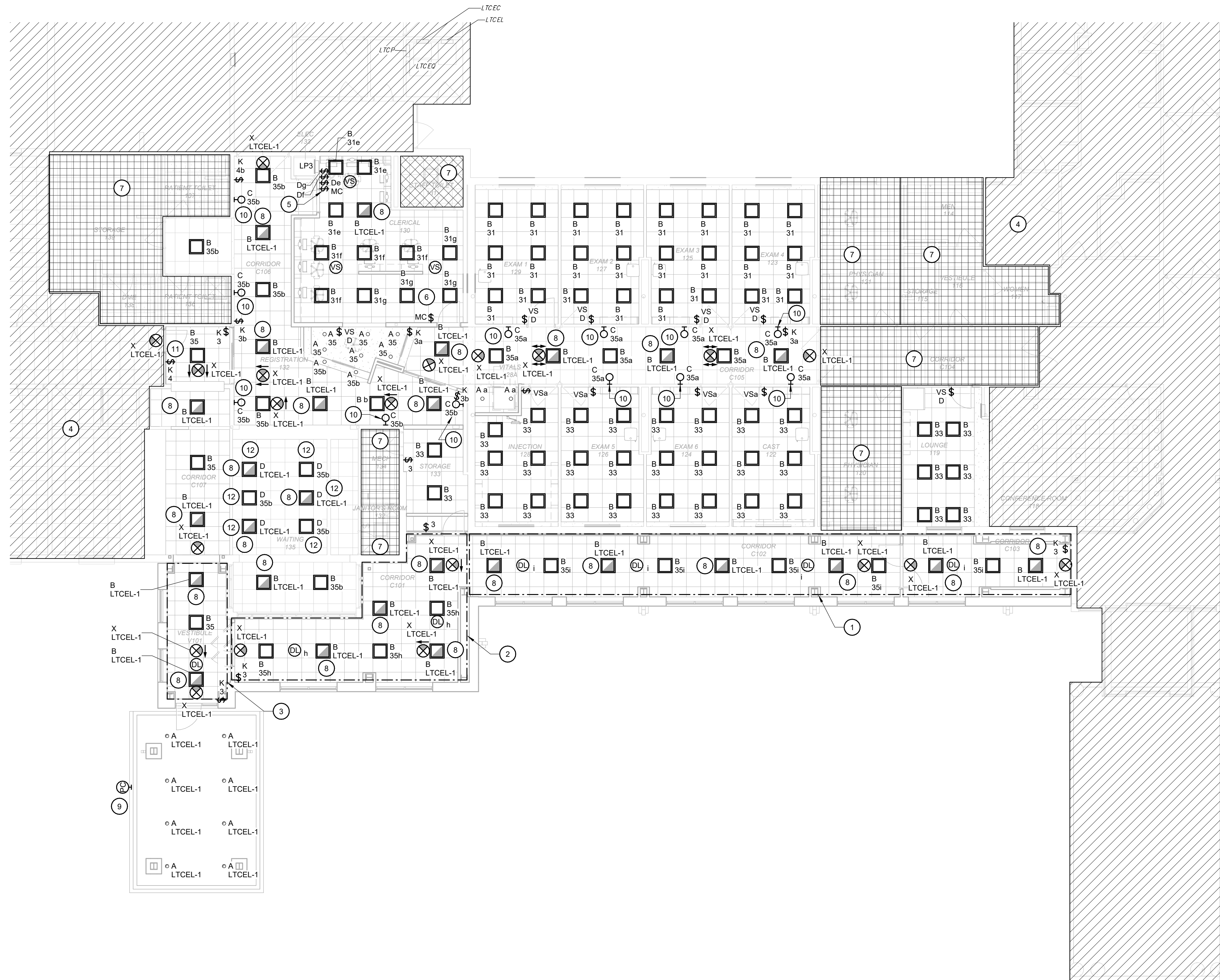
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ED1.1

PROJECT NO.: 0200707.00

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1 FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

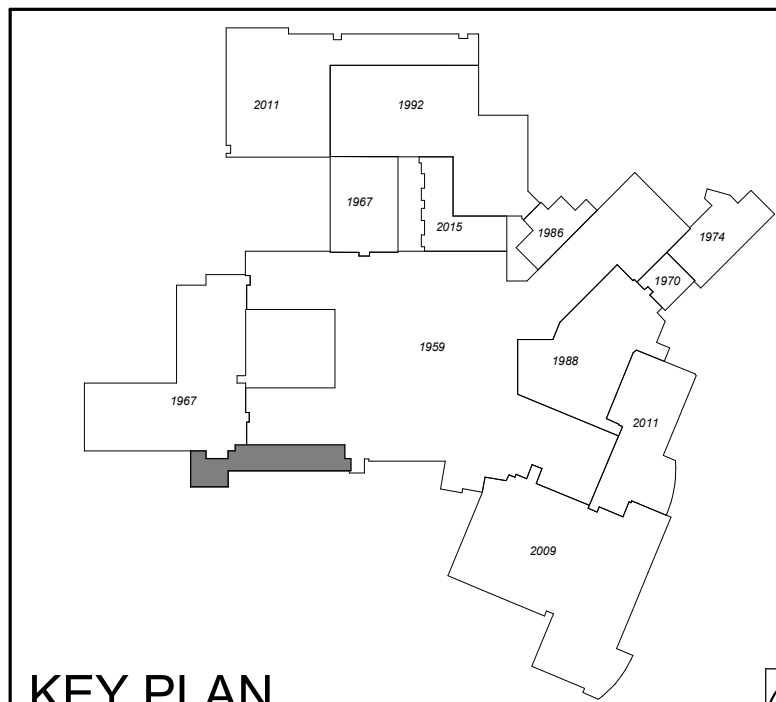


GENERAL NOTES

- A. LIGHTING SYSTEM CONTROLS ARE DIAGRAMMATIC AND ARE GENERIC. SUCCESSFUL LIGHTING CONTROL SYSTEM VENDOR SHALL THOROUGHLY EXAMINE PLANS AND SHALL PROVIDE CONTRACTOR WITH DETAILED LAYOUT DRAWINGS AND BILL OF MATERIALS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM WITHOUT REQUESTS FOR ADDITIONAL MONETARY COMPENSATION FOR "MISSING" COMPONENTS.
- B. ALL CIRCUIT NUMBERS REFER TO PANEL LP3 UNLESS OTHERWISE NOTED.
- C. CIRCUITING IS BASED ON EXISTING DRAWINGS AND EXISTING PANELBOARD PANEL DIRECTORIES IN FIELD, CONTRACTOR TO VERIFY WITH OWNER.

KEYNOTES #

- 1 DAYLIGHT ZONE 1.
- 2 DAYLIGHT ZONE 2.
- 3 DAYLIGHT ZONE 3.
- 4 NO LIGHTING WORK THIS AREA.
- 5 MOMENTARY CONTACT SWITCH FOR "ALL LIGHTS ON" WITH DIMMERS FOR ZONE CONTROL.
- 6 MOMENTARY CONTACT SWITCH FOR "ALL LIGHTS ON".
- 7 NO LIGHTING WORK THIS AREA OF ORTHO SUITE.
- 8 EMERGENCY LIGHTING UNIT SHALL BE "ON" AT ALL TIMES AND SHALL NOT BE CONTROLLED.
- 9 PHOTOCELL ON ROOF FOR CONTROL OF CANOPY LIGHTS.
- 10 EXISTING WALL SCONCE TO REMAIN, CLEAN AND RELAMP. CIRCUIT AND CONTROL AS SHOWN.
- 11 PROVIDE NEW LIGHTING CONTROL THIS LOCATION FOR COORIDOR TO THE WEST CONTROL PREVIOUSLY IN NURSES STATION BUT REMOVED DURING DEMOLITION.
- 12 EXISTING 2X2 LUMINAIRE TO REMAIN, BUT RECIRCUITED.



KEY PLAN
SCALE: NOT TO SCALE



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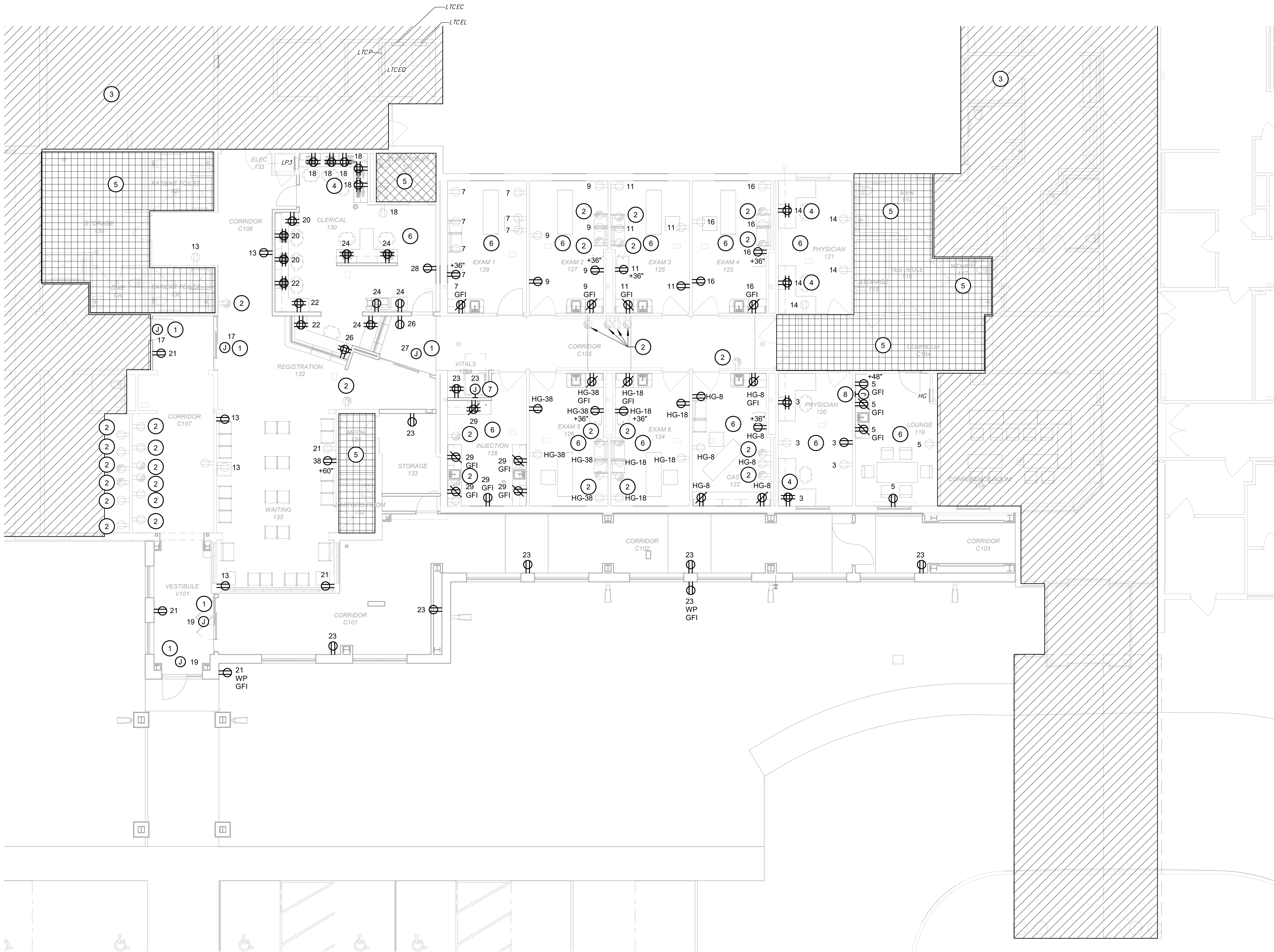
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DESIGNED: JDE
DRAWN: BPH/TMT/AJ
REVIEWED: BMS

SHEET TITLE:
FIRST FLOOR
LIGHTING PLAN

SHEET NUMBER:

E1.1

PROJECT NO.: 0200707.00

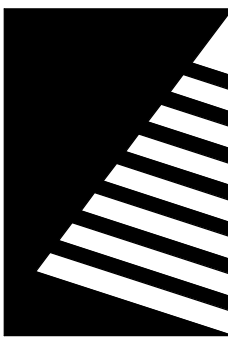


GENERAL NOTES

- A. ALL CIRCUIT NUMBERS REFER TO PANEL LP3 UNLESS OTHERWISE NOTED.
B. CIRCUITING IS BASED ON EXISTING DRAWINGS AND EXISTING PANELBOARD PANEL DIRECTORIES IN FIELD, CONTRACTOR TO VERIFY WITH OWNER.

KEYNOTES #

- 1 PROVIDE 120V 20A CIRCUIT FOR POWERED DOOR. REFER TO DRAWING E3.1 FOR ANY ACCESS CONTROL OR ADA PUSHBUTTON REQUIREMENTS.
2 EXISTING DEVICE NO WORK.
3 NO NEW POWER WORK THIS AREA.
4 INSTALL NEW QUADPLEX WIRING DEVICE IN LOCATION OF OLD WIRING DEVICE SEE ED1.1.
5 AREA IN ORTHO SUITE, NO POWER WORK TO BE DONE.
6 ROOMS TO BE RECIRCUITED.
7 COORDINATE LOCATION OF SCALE CONTROL PANEL WITH VENDOR.
8 REMOTE DEAD FACE TEST/RESET GFI DEVICE FOR REFRIDGERATOR RECEPTACLE MOUNT ABOVE COUNTER.



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FIRST FLOOR POWER
PLAN

SHEET NUMBER:

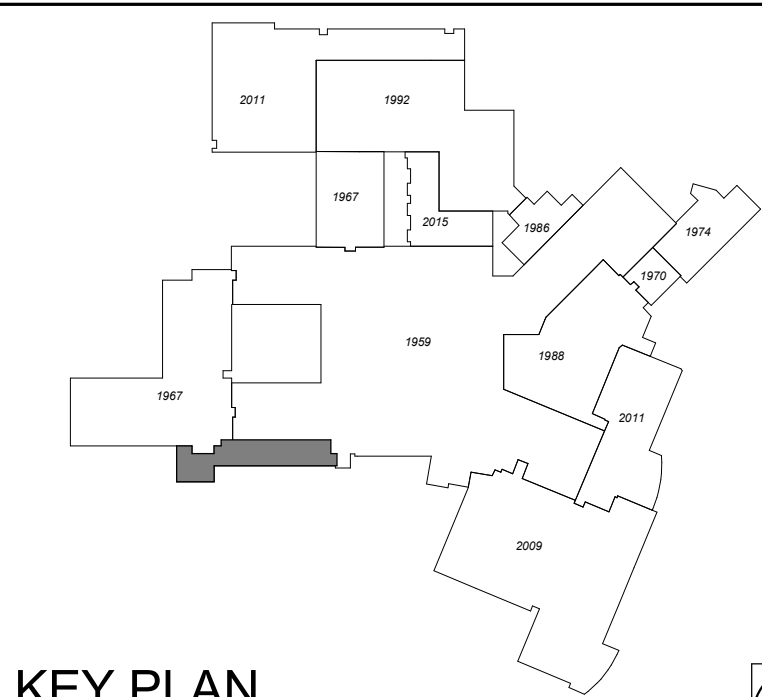
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PROJECT NO.: 0200707.00

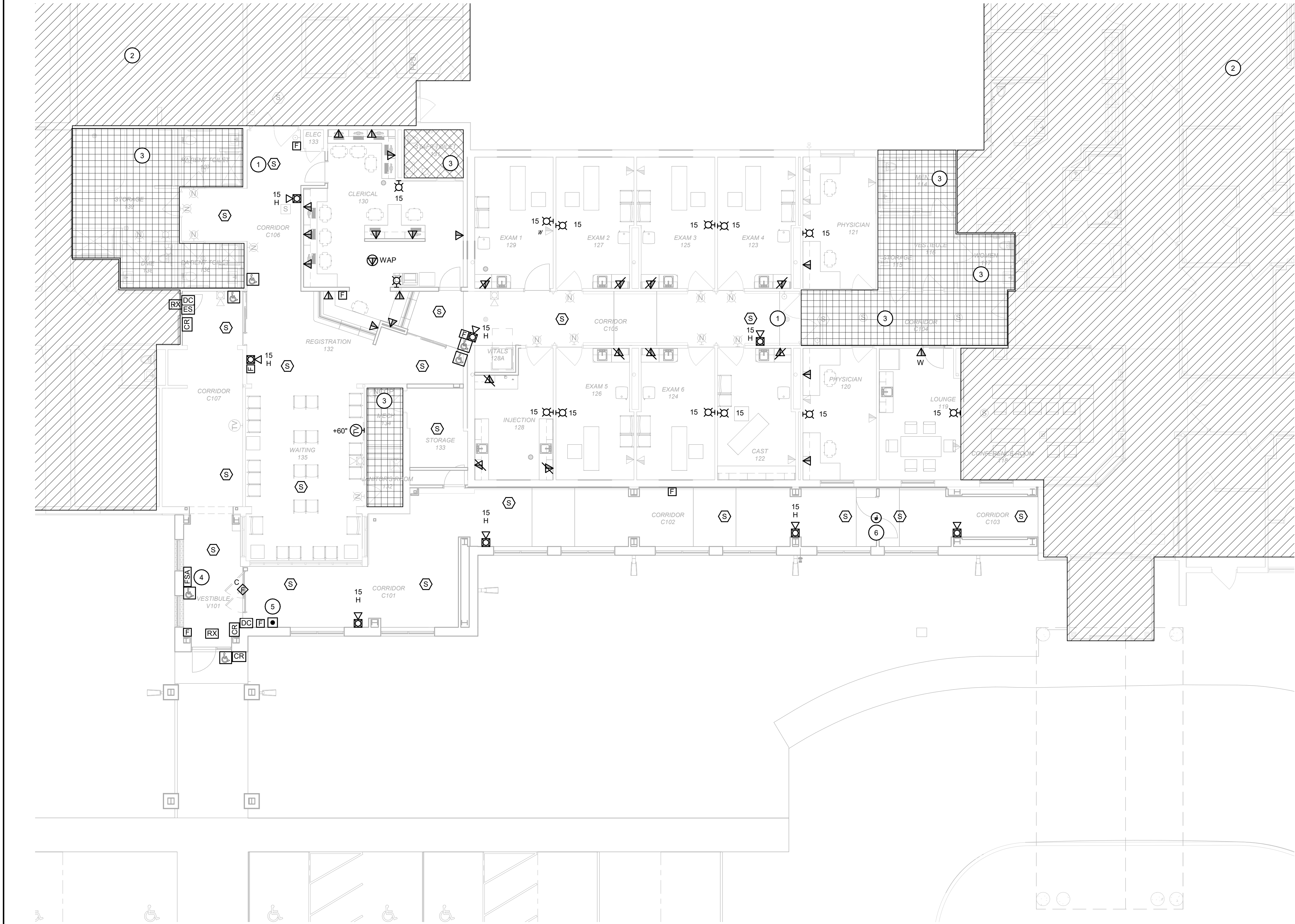
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SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NOT TO SCALE



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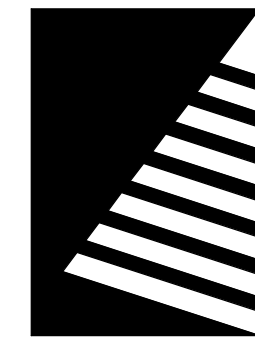
1 FIRST FLOOR SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. ALL FIRE ALARM WORK SHALL BE 'NOTIFIER', AS PROVIDED BY F.E. MORAN.

KEYNOTES

- 1 WIRE INTO EXISTING DOOR CLOSER.
- 2 NO NEW SYSTEMS WORK THIS AREA.
- 3 AREA IN ORTHO SUITE, NO SYSTEMS WORK TO BE DONE.
- 4 RELOCATED UNIT.
- 5 PUSH BUTTON FOR DOOR RELEASE.
- 6 FIRE DOOR HOLD OPEN DEVICES BUILT INTO THE CLOSER, TIE TO FIRE ALARM SYSTEM.



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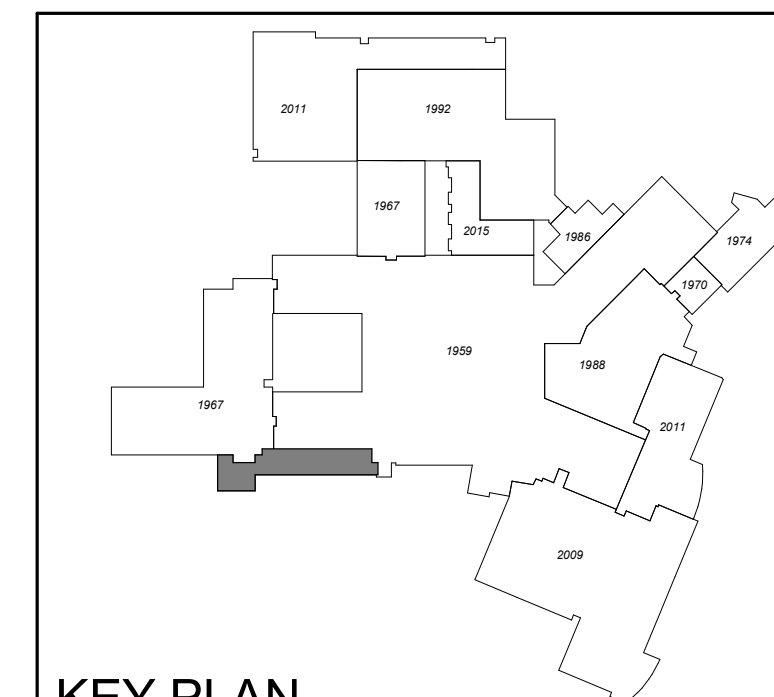
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**FIRST FLOOR
SYSTEMS PLAN**

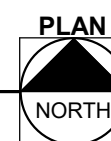
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PROJECT NO.: 0200707.00



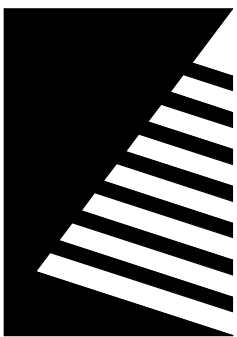
KEY PLAN
SCALE: NOT TO SCALE



LUMINAIRE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NUMBER	LAMP DESCRIPTION	VOLTAGE	LOAD (VA)	FINISH	MOUNTING	DESCRIPTION
A	ELITE LED LIGHTING JUNO HALO	RL670-1000LDIMTRMVOLT40K90+VWH JSF 7IN 10LM 40K 90CRI MVOLT ZT WH HLC6099401EWH-6BP	LED, 4K, 1000 LUMENS	120 V	14		SURFACE	6" JUNCTION BOX MOUNTED DOWNLIGHT
B	COLUMBIA LIGHTING LITHONIA METALUX	CFP22-3340-HE CPX 2X2 3200LM 40K Z2FP3240C	LED, 4K, 3500 LUMENS	120 V	26		RECESSED	2X2 RECESSED FLAT PANEL LUMINAIRE
C	VISA LIGHTING	CB-3550-1F27BABC DIMMING	CFL, 4K	120 V	27	EXISTING	WALL	EXISTING SCONCE, CLEAN AND RELAMP WITH 4K LAMP
D	EATON	Z2FP3240C	LED, 4K, 3100 LUMENS	120 V	30	EXISTING	RECESSED	EXISTING 2X2 FLAT PANEL TO BE REUSED.
X	DUALITE LITHONIA SURE-LITE	EVEURWAI LOM S W 3 R 120/277 EL N LPX7SD	LED	120 V	-	WHITE	SURFACE	EXIT LIGHT, RED LETTERS
NOTES: A. REMOVE ALL FINGER PRINTS FROM LENSES, REFLECTORS, AND LOUVERS FOLLOWING LIGHT FIXTURE INSTALLATION. B. FOR APPROVAL OF FIXTURES FROM MANUFACTURERS OTHER THAN THOSE LISTED, PROPOSED FIXTURES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER TEN BUSINESS DAYS PRIOR TO BID FOR REVIEW. FINAL DETERMINATION OF 'EQUAL' STATUS FOR BIDDING SHALL BE THE SOLE DETERMINATION OF THE ARCHITECT/ENGINEER.								

EXISTING PANELBOARD HG															
VOLTAGE: 208/120V				CONNECTED LOAD PER						ISOLATED GROUND BUS (Y/N):					
PHASE / WIRE: 3Ø / 4W				PHASE						BUSSING: SEE SPEC					
RATED AMPERAGE: 225 A				A		B		C		MOUNTING: RECESSED					
MAIN: 225 A MLO										MCB GROUND FAULT PROTECTION (Y/N):					
SCC RATING (SYM): SEE ONE-LINE				2160 VA		0 VA		1080 VA		MCB SHUNT TRIP (Y/N):					
				19 A		0 A		10 A		MCB 100% RATED (Y/N):					
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LOBBY		20 A	1	0	0					1	20 A		HALL AUTO DOORS	2
3	CONF. RM BLUG MOLD		20 A	1			0	0			1	20 A		CONEDNSATE PUMP SL01	4
5	CONF. RM BLUG MOLD		20 A	1					0	0	1	20 A		CONDENSATE PUMP SL02	6
7	CONF. RM BLUG MOLD		20 A	1	0	1080					1	20 A		RCPT - CAST 122	8
9	SOUTHWEST RCPT CONF. RM.		20 A	1			0	0							10
11	REC. OFFICE COUNTER		20 A	1					0	0	2	20 A		RTU-1 CONFERENCE ROOM	12
13	COUNTER CONF. RM N. WALL		20 A	1	0	0									14
15	SL01, SL01B, SL10, SL11, SL12		20 A	1			0	0			2	20 A		ROOFTOP UNIT SL01, SL02	16
17	SL02, SL02B, SL03		20 A	1							1	20 A		RCPT - EXAM 6 124	18
19	SL08, SL09		20 A	1	0	0				1080	1	20 A		CORRIDOR LTG LINEN CLOSET	20
21	LTG - SL03 SL05-SL09		20 A	1			0	0			1	20 A		EXHAUST FAN SL11	22
23	EXHAUST FAN SL02B		20 A	1					0	0	1	20 A		ERC-06	24
25	EXHAUST FAN SL02		20 A	1	0	0					1	20 A		H-1	26
27	SL05		20 A	1			0	0			1	20 A		H-1	28
29	SL05		20 A	1					0	0	1	20 A		H-1	30
31	SL04, SL05		20 A	1	0	0									32
33	SL06		20 A	1			0	0			3	20 A		RTU-2 SLEEP LAB	34
35	SL06		20 A	1					0	0					36
37	SL03, SL06		20 A	1	0	1080					1	20 A		RCPT - EXAM 5 126	38
39	BASEMBOARD HEAT						0	0							40
41	CONFERENCE ROOM		20 A	2					0	0	2	20 A		BASEBOARD HEAT OFFICE	42
Load Classification				Connected Load		Demand Factor		Demand Load		PANEL TOTALS					
Receptacle				3240 VA		100.00%		3240 VA		TOTAL CONNECTED LOAD: 3240 VA					
										TOTAL DEMAND: 3240 VA					
										TOTAL CONNECTED CURRENT: 9 A					
										TOTAL DEMAND CURRENT: 9 A					
NOTES:															
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED															
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.															

EXISTING PANELBOARD LP3																	
VOLTAGE: 208/120V				CONNECTED LOAD PER						ISOLATED GROUND BUS (Y/N): N							
PHASE / WIRE: 3Ø / 4W				PHASE						BUSSING: SEE SPEC							
RATED AMPERAGE: 200 A				A		B		C		MOUNTING: RECESSED							
MAIN: 200 A MLO										MCB GROUND FAULT PROTECTION (Y/N): N							
SCC RATING (SYM): SEE ONE-LINE				7390 VA		6304 VA		9992 VA		MCB SHUNT TRIP (Y/N): N							
				63 A		53 A		85 A		MCB 100% RATED (Y/N): N							
CKT	IDENTIFICATION		TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION		CKT
1	LTG - N. STATION, LNGE., S. TLT.			20 A	1	0	0					1	20 A		LTG - RESTRMS 122, 124, 126, 128		2
3	RCPT - PHYSICIAN 120			20 A	1			1080	0			1	20 A		LTG - RM 120 & 121		4
5	RCPT - LOUNGE 119			20 A	1					900	0	1	20 A		LTG - RSTRMS 123, 125, 127		6
7	RCPT - EXAM 1 129			20 A	1	1440	0					1	20 A		LTG - RM 129, S. STAFF TLT.		8
9	RCPT - EXAM 2 127			20 A	1			1080	0			1	20 A		LTG - CORRIDOR 100 & 109		10
11	RCPT - EXAM 3 125			20 A	1					1080	0	1	20 A		LTG - CORRIDORS 135 & 136		12
13	RCPT - GENERAL PURPOSE			20 A	1	900	1260					1	20 A		RCPT - PHYSICIAN 121		14
15	RCPT - SHOWER #2 & #3			20 A	1			0	1080			1	20 A		RCPT - EXAM 4 123		16
17	MOTORIZED DOOR			20 A	1					400	1980	1	20 A		RCPT - CLERICAL 130		18
19	MOTORIZED DOOR			20 A	1	400	1080					1	20 A		RCPT - CLERICAL 130		20
21	RCPT - GENERAL PURPOSE			20 A	1			900	1080			1	20 A		RCPT - CLERICAL 130		22
23	RCPT - GENERAL PURPOSE			20 A	1					2000	1440	1	20 A		RCPT - CLERICAL 130		24
25	CLEAN LINEN - WEST HALL			20 A	1	0	540					1	20 A		RCPT - CLER. 130, CORR. C105		26
27	MOTORIZED DOOR			20 A	1			200	180			1	20 A		RCPT - CLERICAL 130		28
29	RCPT - INJECTION 128			20 A	1					1260	0	1	20 A		SPARE		30
31	LIGHTING			20 A	1	770	0								PANEL LP-2 FEEDER		32
33	LIGHTING			20 A	1			704	0			3	20 A				34
35	LIGHTING			20 A	1					932	0						36
37	SPARE			20 A	1	0	1000					1	20 A		TV		38
39	SPARE			20 A	1			0	0			1	20 A		SPARE		40
41	SPARE			20 A	1					0	0	1	20 A		SPARE		42
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS						
Lighting - Continuous					2406 VA		125.00%		3008 VA		TOTAL CONNECTED LOAD: 23686 VA						
Receptacle					20080 VA		74.90%		15040 VA								
Other Non-Continuous Load					1200 VA		100.00%		1200 VA		TOTAL CONNECTED CURRENT: 66 A						



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Engineers | Architects | Surveyors | Scientists

ISSUE:

DATE: DESCRIPTION:

Bid Set

01/15/2021

PROJECT:

Crawford Memorial Hospital

CMH - Ortho Clinic
Addition and
Renovation

1000 N Allen Street
Robinson, IL 62454

DATE: 01/15/2021

DESIGNED: JDE

DRAWN: BPH/TMT/AJ

REVIEWED: BMS

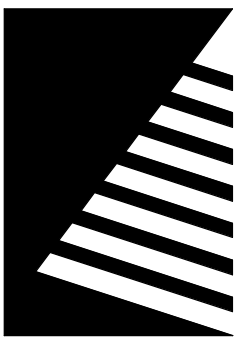
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SCHEDULES

SHEET NUMBER:

E5.1

PROJECT NO.: 0200707.00



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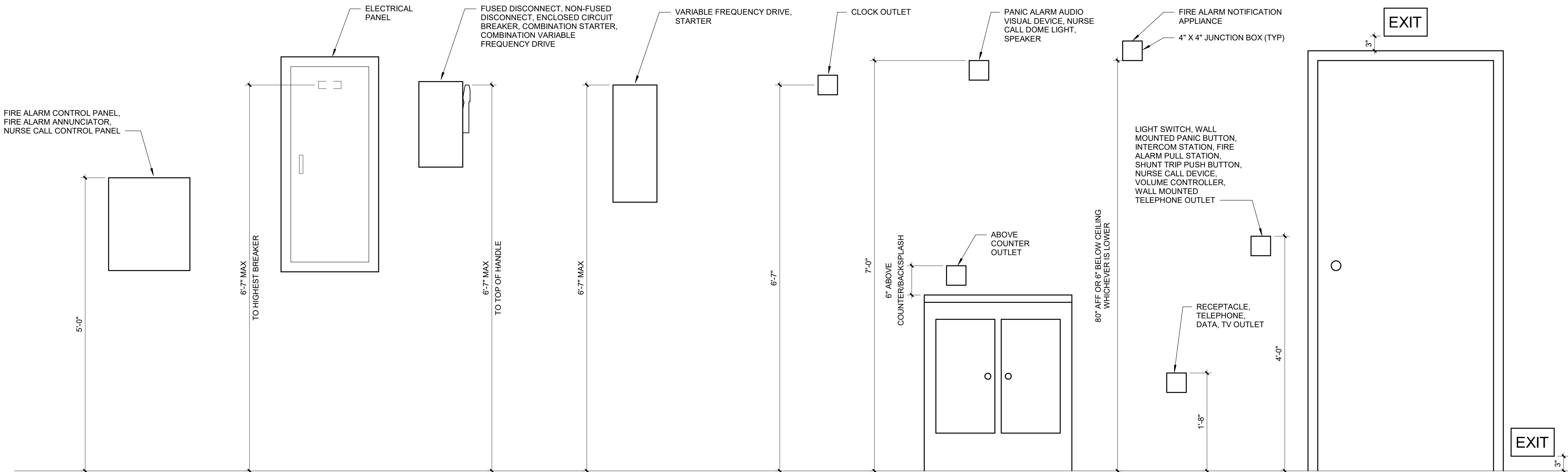
SHEET TITLE:

DETAILS

SHEET NUMBER:

E6.1

PROJECT NO.: 0200707.00



1 TYPICAL MOUNTING HEIGHT DETAIL
SCALE: NOT TO SCALE