

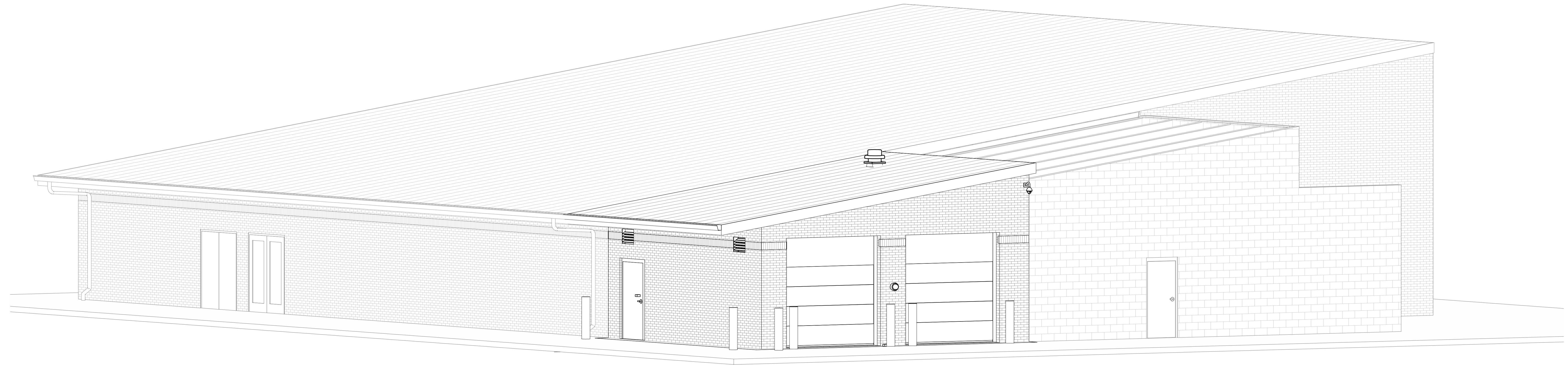
VIGO COUNTY COMMISSIONERS

VIGO COUNTY JUVENILE CENTER SALLYPORT

202 CRAWFORD ST, TERRE HAUTE, IN 47807

CONSTRUCTION DOCUMENTS

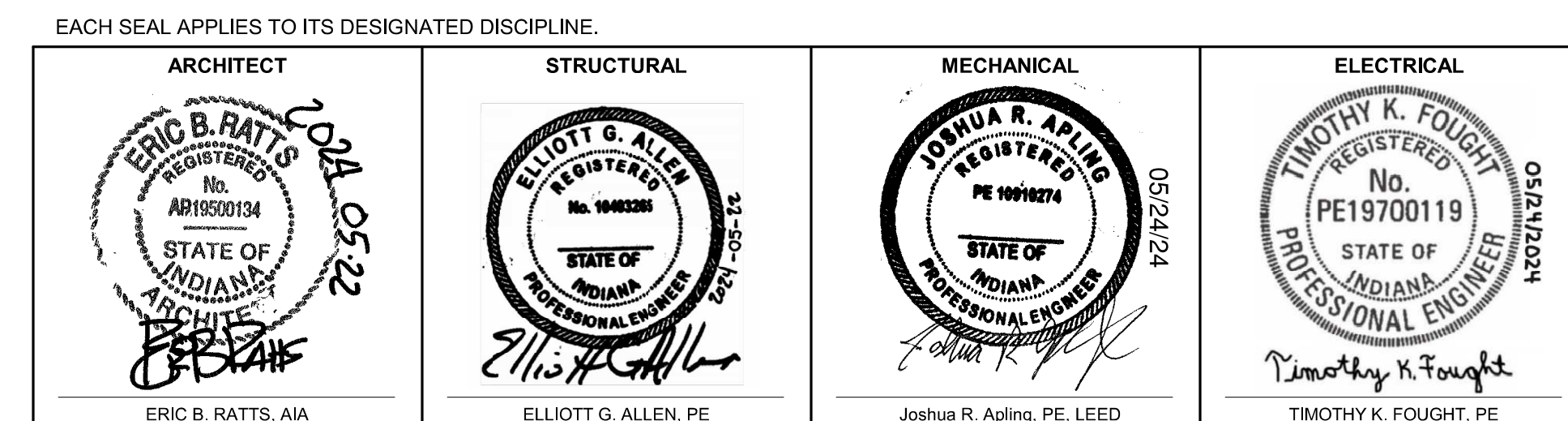
MAY 24, 2024



DLZ PROJECT NO. 2463-4014-90



ARCHITECT/ENGINEER:
DLZ Indiana, LLC
138 N Delaware St,
Indianapolis, IN 46204
Ph: 317.633.4120
www.dlz.com



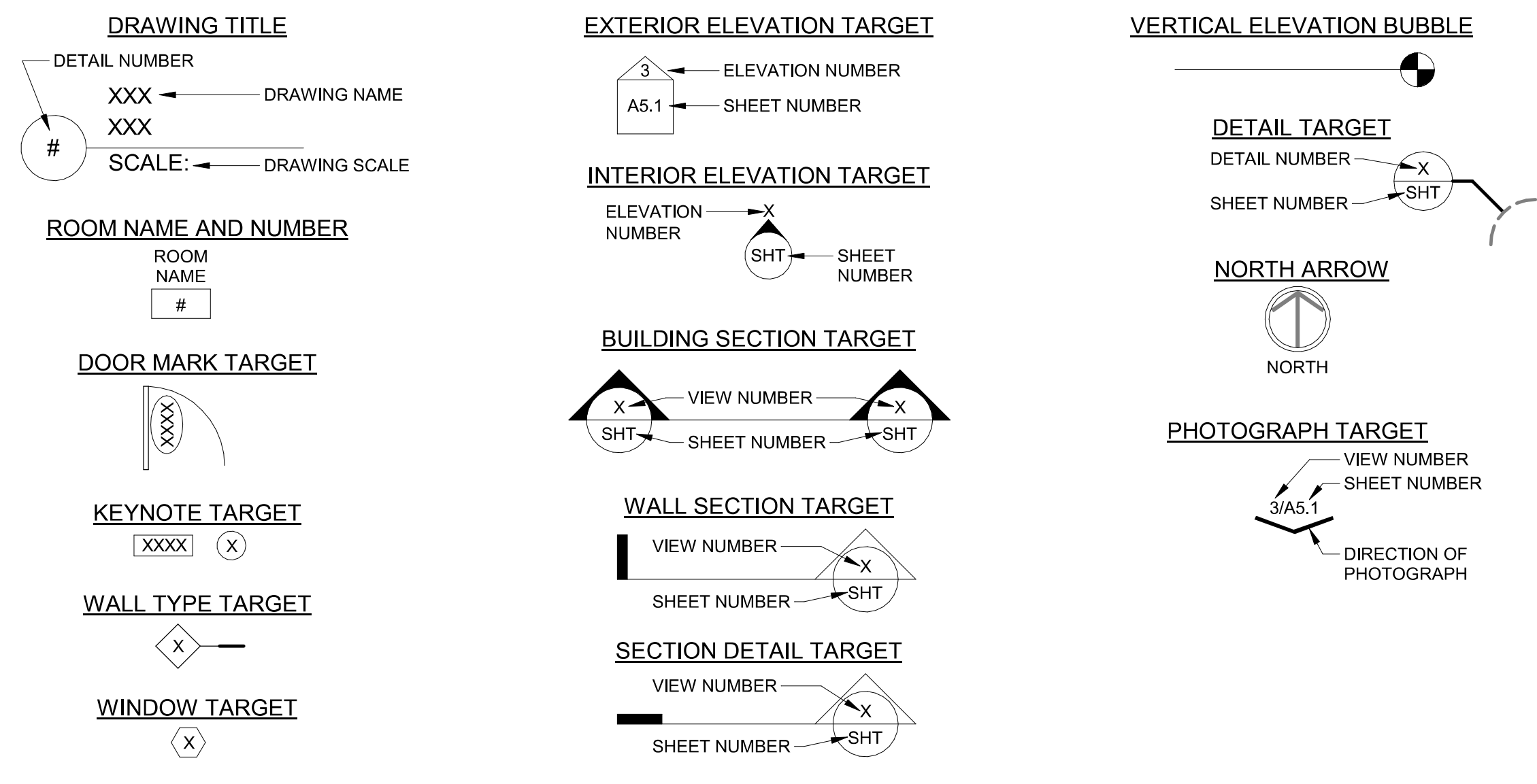
STRUCTURAL GENERAL NOTES

- 1. GENERAL
A. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO INDICATE DESIGN INTENT AND ARE TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
B. THESE DRAWINGS ARE NOT TO BE USED FOR SHOP DETAILING UNLESS SPECIFICALLY STAMPED BY THE STRUCTURAL ENGINEER ON THE DRAWINGS 'FOR DETAILING'.
C. CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING, SCAFFOLDING, BRACING, ERECTION FORMWORK, ETC.), FOR COORDINATION OF THE VARIOUS TRADES, AND FOR SAFE CONDITIONS ON THE JOB SITE.
D. WHERE CONFLICTS OR DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR CLARIFICATION.
E. THESE DRAWINGS ARE NOT TO BE USED FOR SHOP DETAILING UNLESS SPECIFICALLY STAMPED BY THE STRUCTURAL ENGINEER ON THE DRAWINGS 'FOR DETAILING'.
F. DO NOT SUSPEND ANY ITEMS, SUCH AS DUCTWORK, MECHANICAL OR ELECTRICAL FIXTURES, CEILING, ETC. FROM STEEL ROOF DECK OR WOOD ROOF SHEATHING.
2. DESIGN DATA
A. DESIGN CODE:
1) ALL DESIGN IS IN CONFORMANCE WITH THE 2014 INDIANA BUILDING CODE (2012 INTERNATIONAL BUILDING CODE AS AMENDED BY THE INDIANA ADMINISTRATIVE CODE) (IBC), RISK CATEGORY IS TYPE II.
B. DESIGN DEAD LOADS: WEIGHT OF ALL MATERIALS OF CONSTRUCTION INCORPORATED INTO THE BUILDING INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, ROOFS, CEILING, STAIRWAYS, BUILT IN PARTITIONS, FINISHES, CLADDING, EQUIPMENT AND OTHER SIMILARLY INCORPORATED ITEMS AND EQUIPMENT.
C. WIND LOADING CRITERIA
1) ULTIMATE 3-SECOND WIND SPEED V=115 MPH
2) EXPOSURE B
3) GCPI=0.18 (ENCLOSED STRUCTURES)
D. SNOW LOADING CRITERIA
1) PG=20 PSF
2) FF=22 PSF
3) I=1.0
4) CE=1.0, TERRAIN CATEGORY B, FULLY EXPOSED
5) CT=1.0
E. SEISMIC DESIGN CRITERIA
1) I=1.0
2) SS=0.139
3) S1=0.079
4) SDS=0.131
5) SD=0.115
6) SITE CLASS D
7) SEISMIC DESIGN CATEGORY B
8) BASIC SEISMIC FORCE RESISTING SYSTEM - ORDINARY REINFORCED MASONRY SHEAR WALLS
9) SEISMIC RESPONSE COEFFICIENT - CS = 0.0656
10) RESPONSE MODIFICATION FACTOR - R = 2
11) DESIGN BASE SHEAR - V = 0.5 KIPS
12) ANALYSIS PROCEDURE-EQUIVALENT LATERAL FORCE
G. SOIL INFORMATION:
1) NET ALLOWABLE SOIL BEARING PRESSURE BELOW FOOTINGS ON NATURAL MATERIAL IS ASSUMED TO BE 1500 PSF. CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED GEOTECHNICAL ENGINEER TO CONFIRM ALLOWABLE BEARING PRESSURE AND PROVIDE WRITTEN VERIFICATION TO SER.
H. MATERIALS:
1) CAST-IN-PLACE CONCRETE FC=4000 PSI
2) REINFORCING STEEL F60KSI (ASTM A615 U.N.O.)
3) WELDED WIRE FABRIC - ASTM A1064
4) CMU FM=2000 PSI (NET AREA COMPRESSIVE STRENGTH OF UNITS = 2800 PSI) ASTM C-90
5) MORTAR - ASTM C270 TYPE S
6) GROUT - ASTM C476 - COMPRESSIVE STRENGTH 2500 PSI (MIN)
7) STRUCTURAL STEEL
A) W-SECTIONS - ASTM A992
B) PLATES, BARS, RODS, ANGLES AND CHANNELS - A36
C) ANCHOR RODS - ASTM F1554, GRADE 36
D) HIGH STRENGTH BOLTS
AA) GROUP A AS DEFINED BY AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" SECTION J3.1
D) STEEL DECK - ASTM A663
8) FILLER METAL FOR WELDING: SHIELDED METAL ARC WELDING - AWS A5.1 OR A5.5 OR E70XX.
I. DESIGN STANDARDS:
1) ACI 318-11 "BUILDING CODE REQUIREMENTS FOR CONCRETE"
2) TMS 402-11 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" - ASD
3) ANSII/ASCE 360-10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" - ASD
4) AISI 2012 "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" - ASD
3. CONCRETE
A. ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH EQUAL TO 4000 PSI AND HAVE MINIMUM OF 6% AIR CONTENT.
B. PROVIDE LAP BARS MEETING ACI REQUIREMENTS. ALL REINFORCING BARS SHALL BE CONTINUOUS AT CORNERS.
C. FINISH EXPOSED CONCRETE TO MATCH EXISTING.
D. PLACE CONCRETE IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE".
4. MASONRY
A. MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-11 "SPECIFICATION FOR MASONRY STRUCTURES AND COMMENTARY".
B. TRUSS OR LADDER TYPE REINFORCEMENT SHALL BE PLACED IN HORIZONTAL MORTAR JOINTS AT 16" O.C. VERTICAL SPACING, AND AT TOP AND BOTTOM OF WALL OPENINGS (EXTEND 2 FEET PAST OPENING).
C. COORDINATE REQUIRED OPENINGS WITH ALL TRADES AND PROVIDE MASONRY LINTELS FOR ALL OPENING GREATER THAN 1'-0" IN ACCORDANCE WITH THE LITEL SCHEDULES.
D. ALL GROUTING TO BE PLACED USING LOW LIFT METHOD. MAXIMUM HEIGHT OF LIFT SHALL BE 5 FEET.
E. CMU BOND BEAMS SHALL BE PLACED AS INDICATED IN THE DRAWINGS. IN ADDITION THEY SHALL BE LOCATED AT THE TOP OF ALL WALLS, AT A MAXIMUM VERTICAL SPACING OF 8'-0" AND AT THE BOTTOM OF WALLS BRACED BY ROOF DECK AND MEMBERS.
F. PROVIDE MISCELLANEOUS LOOSE L6X8X3/8 LOOSE GALVANIZED LINTEL WITH A MINIMUM OF 8" BEARING AT EACH END OF OPENINGS IN BRICK FACED WHERE OTHER SUPPORT IS NOT SHOWN.
5. STEEL
A. AT ALL STEEL BEAMS SUPPORTING MASONRY WALLS, PROVIDE STUD 1/2" DIA. X 6" LONG HEADED STUDS SPACED AT 16" O.C. WELDED TO STEEL BEAM.
B. ALL EXTERIOR STEEL SHALL BE HO-DIP GALVANIZED AND PAINTED.
C. DECK UNITS THAT ARE BENT, WARPED, OR DAMAGED IN ANY WAY WHICH WOULD IMPAIR THE STRENGTH AND OR APPEARANCE OF THE DECK SHALL BE REJECTED AND REMOVED.
D. COLD-FORMED METAL FRAMING AND TRUSSES
1) CONTRACTOR SHALL PROVIDE DELEGATED DESIGN OF COLD-FORMED STEEL FRAMING AND TRUSSES. DESIGNER CAN BE WITH MANUFACTURER OR INDEPENDENT; HOWEVER, THEY SHALL BE RESPONSIBLE FOR DESIGN, PREPARATION, AND ASSEMBLY OF SYSTEM DELEGATED DESIGN DOCUMENTS.
2) THE TRUSS MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL TRUSS LAYOUT REQUIRED BY THEIR DELEGATED DESIGNER TO MEET DESIGN CRITERIA WITH SHOP DRAWING REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.
3) SECTIONS, DETAILS AND SUCH DEPICTING WEB LAYOUT ARE DIAGRAMMATIC. FINAL LAYOUT AND CONFIGURATION OF TRUSS WEBS IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND CONTRACTOR WHILE MEETING DESIGN.
4) TRUSS SYSTEM SHALL PROVIDE FOR A MINIMUM BEARING OF 1' 1/2" FOR STEEL ROOF DECK.
5) CONTRACTOR TO COORDINATE COLD-FORMED STEEL TRUSSES WITH THE ROUTING AND HANGERS/SUPPORTS OF ALL MECHANICAL, ELECTRICAL, PLUMBING, SECURITY ELECTRONICS AND FIRE PROTECTION PRIOR TO ANY FABRICATION, ROUTING OF TRADES ELEMENTS SHOWN ON PLANS AND ANY TRUSS WEBS SHOWN IN BUILDING SECTIONS ARE DIAGRAMMATIC AND MUST BE COORDINATED WITH COLD-FORMED STEEL TRUSS SUPPLIER AND THEIR STRUCTURAL TRUSS ELEMENT REQUIREMENTS. TRADES TO PROVIDE HANGING LOADS TO TRUSS DELEGATED DESIGNER. MODIFICATION OF HANGERS/SUPPORTS FOR TRADES INCLUDE BUT IS NOT LIMITED TO ADJUSTING SPACING OF HANGERS/SUPPORTS AND/OR ADJUSTING SUPPORTS TO EXTEND TO ADJACENT WALL SURFACES. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

ABBREVIATIONS

Table with 4 columns: ABBREVIATIONS, ANCHOR BOLT, FABRIC WALL COVERING, QUANTITY. Lists various construction abbreviations like A.B., A/C, A.D., etc.

SYMBOLS



LOCATION MAP



GENERAL NOTES

- A. CONTRACTOR IS RESPONSIBLE TO CONFORM WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS INCLUDING APPLICABLE ORDINANCES AND REFERENCED STANDARDS.
B. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SUBMITTING A BID OR BEGINNING ANY WORK. CONDITIONS FOUND TO BE IN VARIANCE FROM THE INFORMATION IN THE DRAWINGS OR PROJECT MANUAL SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING FOR CLARIFICATION.
C. KEYNOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY INDICATED ON THE DRAWINGS.
D. SPECIFIC WORK ITEMS SHALL BE COORDINATED AND INTERFACED WITH ALL OTHER TRADES TO ALLOW FOR NEW CONSTRUCTION AND COMPLETE INSTALLATION AS REQUIRED TO ACCOMPLISH DESIGN INTENT.
E. REFER TO DRAWINGS OF EACH TRADE OR DISCIPLINE FOR ADDITIONAL GENERAL NOTES AND INFORMATION, INCLUDING CIVIL/SITE DEVELOPMENT, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL.
F. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT.
G. FIELD VERIFY ACTUAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES, STRUCTURES, WATER LINES, STORM AND SANITARY LINES, GAS LINES, ELECTRICAL CONDUIT, AND OTHER UNDERGROUND UTILITIES PRIOR TO PERFORMING EARTHWORK, EXCAVATION, OR UTILITY WORK. ENGAGE THE SERVICES OF A PRIVATE UTILITY LOCATE COMPANY IF NECESSARY TO COMPLETELY LOCATE EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
H. LOCATION OF ALL TEMPORARY FACILITIES SHALL BE COORDINATED WITH OWNER AND ARCHITECT PRIOR TO MOBILIZATION ON-SITE, INCLUDING BUT NOT LIMITED TO TEMPORARY STAGING AREA, MATERIAL STORAGE AREA, ACCESS DRIVE(S), PARKING AREA, TOPSOIL STOCKPILE AREA, WASTE DISPOSAL AREA, FIELD OFFICES AND TEMPORARY FACILITIES, JOB SIGN, AND TEMPORARY FENCING.
I. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS BLOCKING REQUIRED FOR INSTALLATION OF ALL BUILDING COMPONENTS, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES, EQUIPMENT, HARDWARE, BRACKETS, AND OWNER-PROVIDED EQUIPMENT. CONTRACTOR SHALL COORDINATE SPECIFIC REQUIREMENTS ASSOCIATED WITH EACH TRADE AND WITH OWNER'S REPRESENTATIVE.
J. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS WOOD AND METAL TRIM, FLASHING, CLIP ANGLES, ANCHORS, SUPPORTS, AND CLOSURE TRIM REQUIRED TO PROVIDE A COMPLETE, UNIFORM, AND WEATHER-TIGHT ASSEMBLY AS REQUIRED TO ACCOMPLISH THE DESIGN INTENT.
K. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORY COMPONENTS AS REQUIRED TO FULLY COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
L. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILING WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATINGS OF THE WALL ASSEMBLY.
M. WHERE DISCREPANCIES EXIST IN THE CONTRACT DOCUMENTS INCLUDING DISCREPANCIES BETWEEN DRAWINGS AND PROJECT MANUAL, CONTRACTOR SHALL REQUEST CLARIFICATION IN WRITING FROM ARCHITECT. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PRECEDENCE OVER THE OTHER. ANY ACTION THE CONTRACTOR MAKES PRIOR TO NOTIFICATION IN WRITING SHALL BE SOLELY AT THE CONTRACTOR'S RISK.
N. CONTRACTOR SHALL SEAL ALL PENETRATIONS IN EXTERIOR WALL AND ROOF ASSEMBLIES WITH APPROPRIATE JOINT SEALANT(S) AND FLASHING(S) TO MAINTAIN A WEATHER-TIGHT AND AIR-TIGHT BUILDING ENVELOPE. ALL JOINTS AND PENETRATIONS SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE, INCLUDING THE FOLLOWING:
1. JOINTS AROUND FENESTRATION AND DOOR FRAMES
2. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AND ROOF OR WALL PANELS.
3. OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH ROOFS, WALLS, AND FLOORS.
4. JOINTS, SEAMS, AND PENETRATIONS OF VAPOR BARRIER.
5. ALL OTHER OPENINGS IN THE BUILDING ENVELOPE.
O. COORDINATE WITH OTHER CONSTRUCTION ACTIVITIES AND CONSTRUCTION SEQUENCING WITH OTHER PROJECT(S) AND WORK BEING PERFORMED CONCURRENTLY ON-SITE.
P. CONTRACTOR TO PROTECT ALL ITEMS WITHIN THE CONSTRUCTION LIMITS (INCLUDING SITE ELEMENTS) THAT ARE DESIGNATED TO REMAIN; ITEMS DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
Q. ALL PENETRATIONS AND JOINTS IN FIRE-RATED WALL ASSEMBLIES AND FLOOR/CEILING ASSEMBLIES SHALL BE SEALED WITH THE FIRESTOPPING SYSTEM OR FIRE-RESISTIVE JOINT SYSTEM WHICH IS THE MOST APPROPRIATE FOR THE SPECIFIC APPLICATION BASED ON THE TYPE OF ASSEMBLY AND TYPE OF PENETRATING ELEMENT. SYSTEMS SHALL BE LISTED FOR EACH APPLICATION.
R. ALL VERTICAL FENESTRATION (OPERABLE AND FIXED GLAZED ASSEMBLIES) SHALL BE LABELED BY THE MANUFACTURER WITH U-FACTOR, SHGC RATING, SAFETY RATING, AND FIRE-RESISTANCE RATING, WHERE APPLICABLE. WINDOWS AND DOORS SHALL BE CERTIFIED AS MEETING AIR LEAKAGE REQUIREMENTS PER NFRC 400.
S. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. IF THE DIMENSIONS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF CONCRETE, UNLESS NOTED OTHERWISE. CEILING HEIGHT DIMENSIONS ARE FROM FINISHED FLOOR TO FACE OF FINISHED CEILING MATERIALS, UNLESS NOTED OTHERWISE.
T. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY DEWATERING ACTIVITIES AS PART OF THE BASE BID AMOUNT.
U. CONTRACTOR IS RESPONSIBLE TO KEEP ALL HVAC EQUIPMENT OPERATIONAL FOR THE DURATION OF THE PROJECT.

SHEET INDEX

- GENERAL
G1.0 TITLE SHEET
G1.1 GENERAL NOTES, INFORMATION AND ABBREVIATIONS
ARCHITECTURE
AD2.1 FIRST FLOOR REMOVAL FLOOR PLAN
AD2.1 FIRST FLOOR, ROOF PLAN AND ELEVATIONS
AS.1 DOOR AND FRAME SCHEDULE AND DETAILS
A7.1 WALL SECTION AND DETAILS
A7.2 WALL SECTION AND DETAILS
MECHANICAL
ME0.1 MECHANICAL AND ELECTRICAL GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES
ME0.2 MECHANICAL PLUMBING AND FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES
ME1.0 PARTIAL FIRST FLOOR MECHANICAL AND ELECTRICAL INSTALLATION PLAN

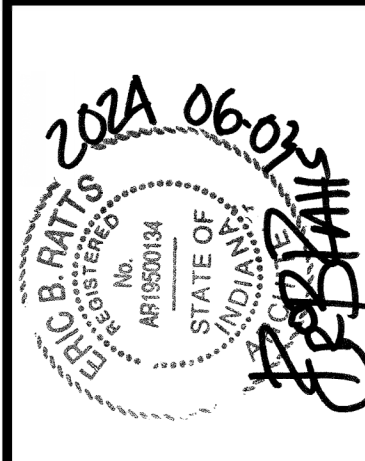
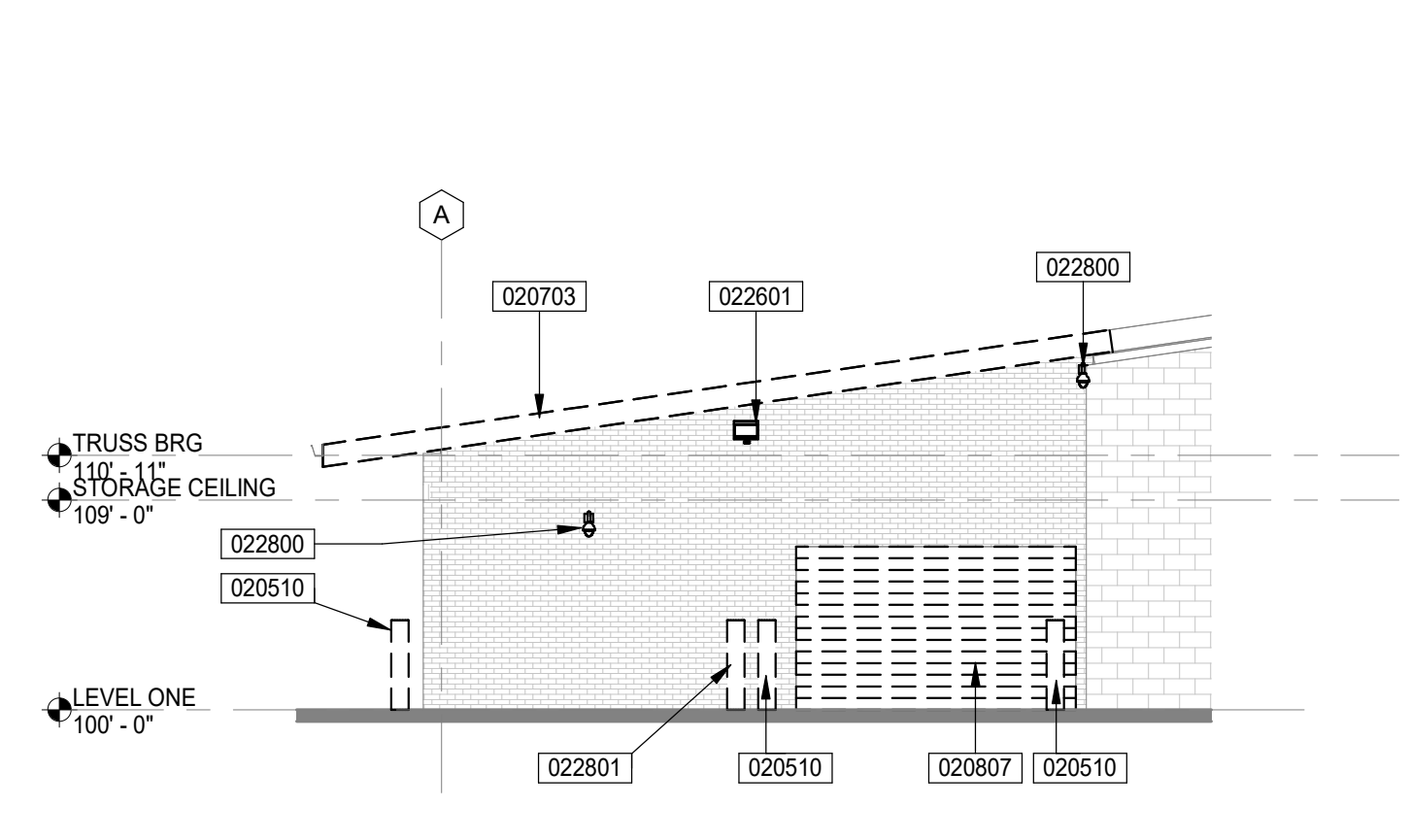
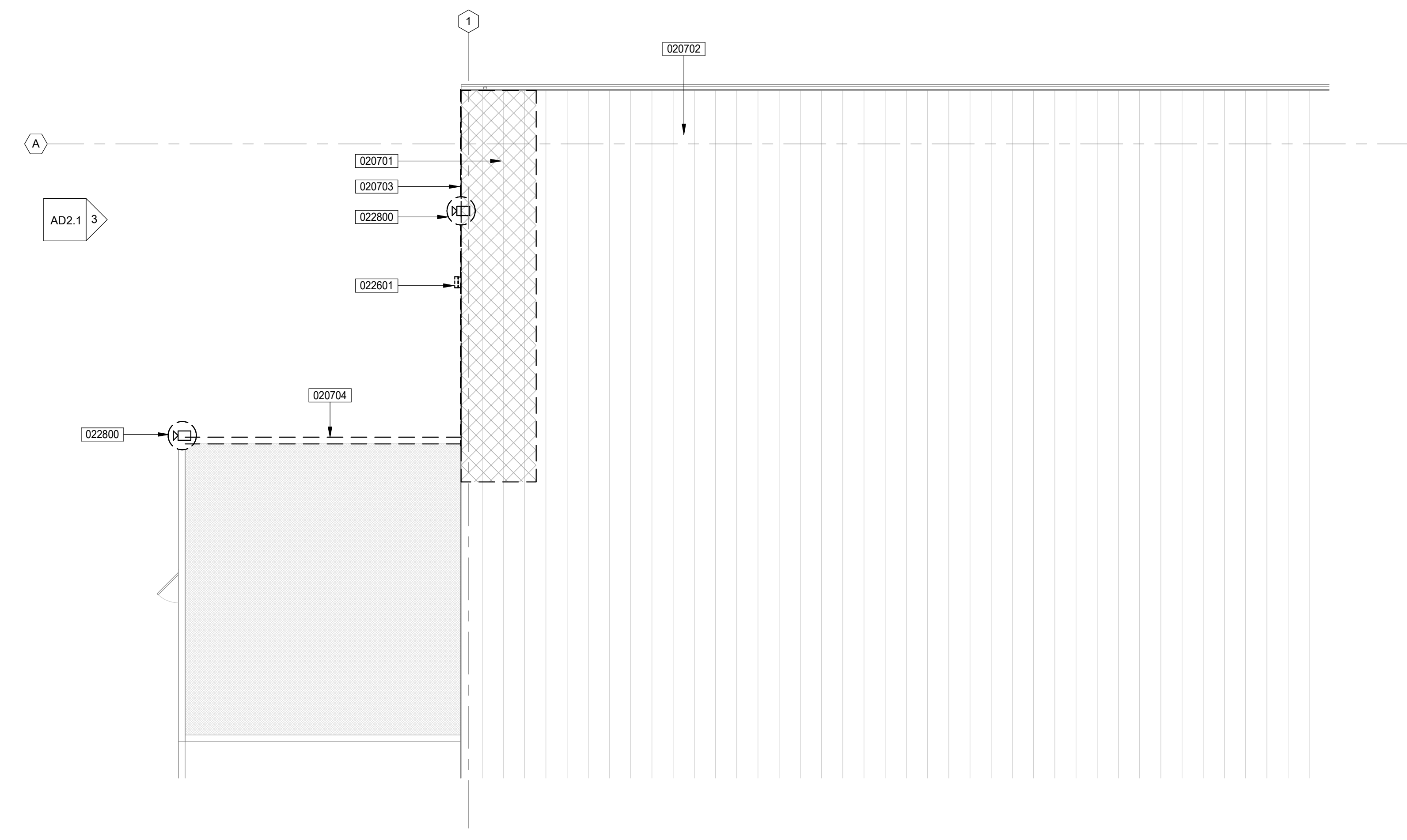


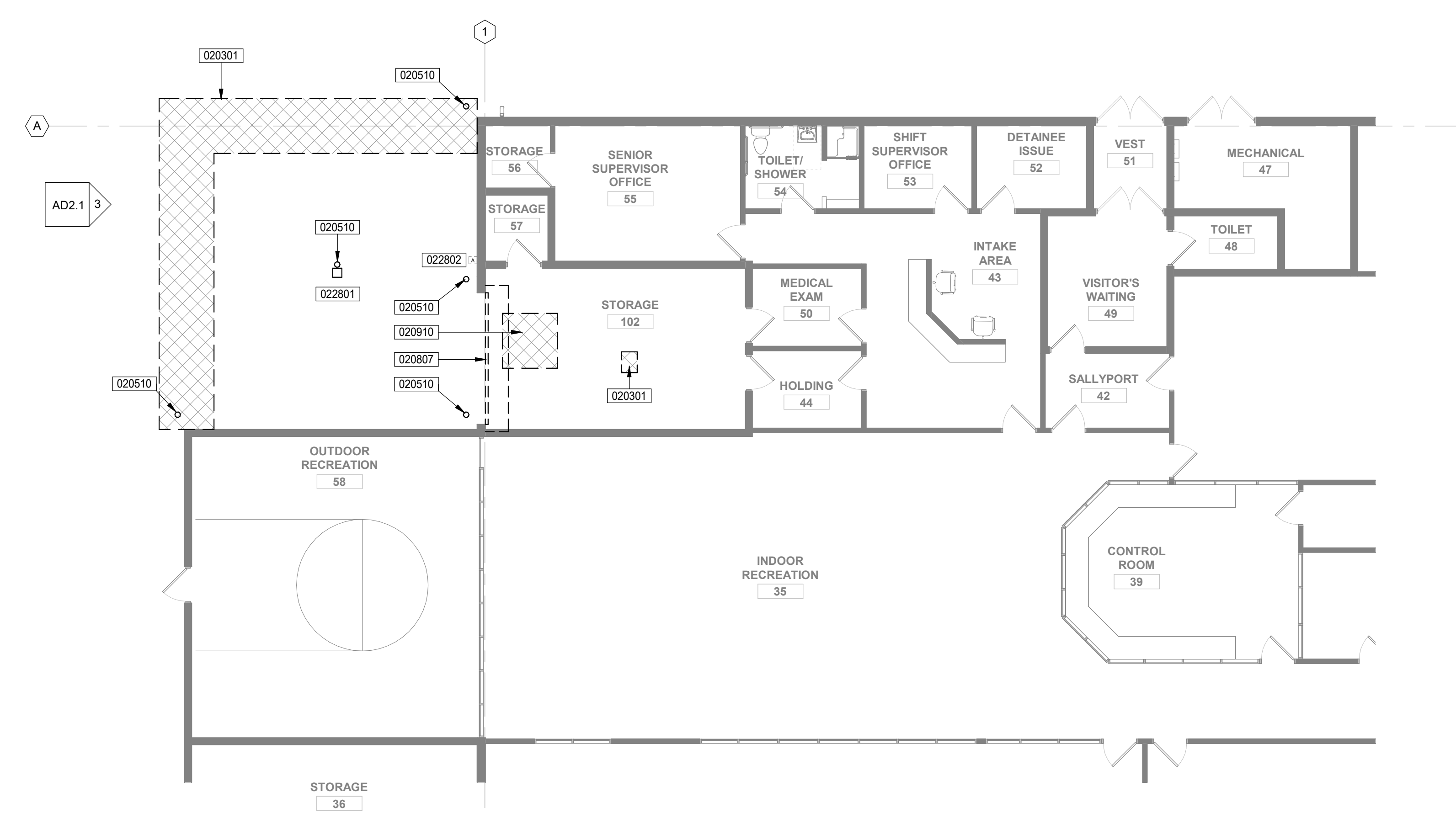
Table with columns: DRAWING NUMBER (G1.1), GENERAL, INDIANA, VIGO COUNTY COMMISSIONERS, VIGO COUNTY JUVENILE CENTER GALLERY PORT, TERRE HAUTE, GENERAL NOTES, INFORMATION AND ABBREVIATIONS. Includes revision table and date fields.



3 WEST ELEVATION - REMOVAL
SCALE: 1/8" = 1'-0"



2 ROOF REMOVAL PLAN
SCALE: 1/8" = 1'-0"
NORTH



1 PARTIAL FIRST FLOOR REMOVAL PLAN
SCALE: 1/8" = 1'-0"
NORTH

REMOVAL NOTES:

- A. REFER TO C1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
- B. REFER TO DRAWINGS OF ALL OTHER DISCIPLINES FOR ADDITIONAL REMOVALS AND SELECTIVE REMOVAL ACTIVITIES.
- C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SELECTIVE REMOVAL ACTIVITIES.
- D. EXISTING TO REMAIN ITEMS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE PROJECT. IF ANY EXISTING ITEM IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPLACED OR RESTORED TO ITS ORIGINAL CONDITION.
- E. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL TEMPORARY SHORING AND BRACING REQUIRED TO COMPLETE THE WORK.
- F. CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED, INCLUDING ASSOCIATED REPAIR AND FINISHING TO MATCH ADJACENT SURFACES.
- G. REMOVE ALL ABANDONED EQUIPMENT, DUCTWORK, PLUMBING, ELECTRICAL, DATA, AND COMMUNICATIONS LINES, DEVICES, AND EQUIPMENT. EXPOSED UTILITIES SHALL BE IDENTIFIED, CAPPED, AND LABELED.
- H. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ENVIRONMENTAL CONTROL MEASURES INCLUDING APPLICABLE AIR QUALITY CONTROL MEASURES, DUST CONTROL, EROSION CONTROL, AND OTHER MEASURES REQUIRED FOR PROTECTION OF OCCUPANTS AND PROPERTY DURING SELECTIVE DEMOLITION AND CONSTRUCTION ACTIVITIES.
- I. CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING CONTRACT DOCUMENTS WITH FIELD CONDITIONS AND WITH WORK REQUIRED FOR EACH TRADE.
- J. EXISTING CONCRETE SLAB-ON-GRADE SHALL BE SAWCUT AND REMOVED AS REQUIRED TO COMPLETE UNDERGROUND PIPING WORK. REPLACE CONCRETE SLAB-ON-GRADE AND FINISH TO MATCH ADJACENT CONSTRUCTION. ALL CONCRETE REMOVAL AND REPLACEMENT BEYOND THAT SHOWN IS INCIDENTAL TO THE WORK AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID AS REQUIRED TO COMPLETE THE PROJECT.
- K. BUILDING SHALL REMAIN OCCUPIED DURING CONSTRUCTION. SEQUENCE ALL DEMOLITION ACTIVITIES ACCORDINGLY TO MINIMIZE DISRUPTION OF BUILDING OCCUPANTS. REFER TO PHASING PLANS.
- L. CONTRACTOR SHALL COORDINATE DEMOLITION ACTIVITIES WITH NEW WORK TO VERIFY DIMENSIONS AND EXTENT OF REMOVALS PRIOR TO BEGINNING WORK.
- M. ALL KEYNOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. CONTRACTOR SHALL USE THE GRAPHICAL REPRESENTATIONS FOR COUNTS AND NOT THE KEYNOTES. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY SHOWN ON THE DRAWINGS.

KEYNOTES

- 020301 SAW CUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR NEW CONSTRUCTION
- 020510 REMOVE EXISTING PIPE BOLLARD AND PATCH/REPAIR TO MATCH GRADE AND MATERIAL
- 020701 REMOVE EXISTING ROOFING SYSTEM AS REQUIRED TO TIE INTO THE NEW CONSTRUCTION
- 020702 EXISTING METAL ROOF SYSTEM TO REMAIN
- 020703 REMOVE EXISTING FASCIA AS REQUIRED TO TIE INTO THE NEW CONSTRUCTION
- 020704 REMOVE EXISTING METAL CAP COMPLETE
- 020807 EXISTING COILING DOOR TO BE REMOVED AND TURNED OVER TO THE OWNER
- 020910 REMOVE EXISTING GYPSUM BOARD AND STUD WALL/CEILING AS REQUIRED. PATCH/REPAIR AND REFINISH TO MATCH EXISTING CONSTRUCTION
- 022801 EXISTING WALL PACK AREA LIGHTING FIXTURE TO BE REMOVED FOR RELOCATION. DISCONNECT AND REMOVE ALL ASSOCIATED POWER CONDUCTORS FROM FIXTURE BACK TO NEAREST JUNCTION/PULLBOX. CONDUCTORS TO REMAIN FOR CONNECTION TO RELOCATED LIGHT FIXTURE. REFER TO DRAWING ME1.0 FOR LOCATION OF RELOCATED WALL PACK AREA LIGHTING FIXTURE AND RE-CONNECTION REQUIREMENTS.
- 022800 EXISTING SECURITY CAMERA TO BE REMOVED FOR RELOCATION. DISCONNECT AND REMOVE ALL ASSOCIATED CABLING FROM CAMERA BACK TO NEAREST JUNCTION/PULLBOX. CABLING TO REMAIN FOR CONNECTION TO RELOCATED CAMERA. REFER TO DRAWING ME1.0 FOR LOCATION OF RELOCATED CAMERA AND RE-CONNECTION REQUIREMENTS.
- 022801 EXISTING SECURITY BOLLARD WITH INTERCOM AND SECURITY CAMERA TO BE REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED CABLING FROM BOLLARD BACK TO NEAREST JUNCTION/PULLBOX. SECURITY CAMERA TO BE GIVEN TO OWNER AS ATTIC STOCK. CABLING TO REMAIN FOR CONNECTION TO RELOCATED INTERCOM AND SECURITY CAMERA. REFER TO DRAWING ME1.0 FOR LOCATION OF RELOCATED INTERCOM AND SECURITY CAMERA AND RE-CONNECTION REQUIREMENTS.
- 022802 EXISTING SURFACE MOUNTED ANTENNA TO BE REMOVED FOR RELOCATION. EXISTING CABLING TO REMAIN FOR RE-CONNECTION TO RELOCATED ANTENNA.

LEGEND:

- EXISTING TO BE REMOVED
- EXISTING MATERIAL TO BE REMOVED - SEE KEYNOTE
- EXISTING TO REMAIN



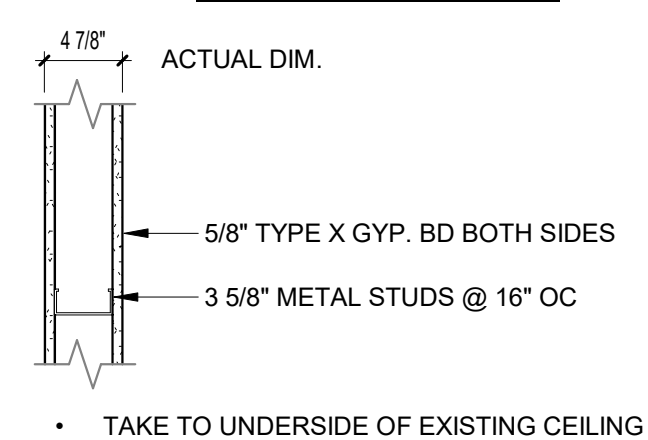
NO.	REVISION	DATE

DRAWN: CAG	CHK'D: EBR
DESIGNED: CAG	APPROV'D: EBR
DATE: MAY 24, 2024	PROJECT NUMBER: 2463-4014-90

INDIANA
TERRE HAUTE
VIGO COUNTY COMMISSIONERS
VIGO COUNTY JUVENILE CENTER SALLYPORT
FIRST FLOOR REMOVAL FLOOR PLAN

DRAWING NUMBER
AD2.1
ARCHITECTURE

WALL TYPE - A



ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORS		WALLS				CEILING	REMARKS
		MAT.	BASE	NORTH FINISH	EAST FINISH	SOUTH FINISH	WEST FINISH	FINISH	
100	SALLYPORT	EXS	---	PT1	PT1	PT1	PT1	PT2	
101	CORRIDOR	EXPKY	---	PT1	PT1	PT1	PT1	PT2	1
102	STORAGE	EXPKY	---	PT1	PT1	PT1	PT1	PT2	1

ABBREVIATIONS:
 EXS EXISTING SLAB ON GRADE TO REMAIN
 EXPKY EXISTING EPOXY FLOOR FINISH
 PT-1 PAINT, COLOR 1

REMARKS:
 1. REPAIR/REFINISH EPOXY FLOOR TO MATCH EXISTING

GENERAL NOTES - FLOOR PLANS:

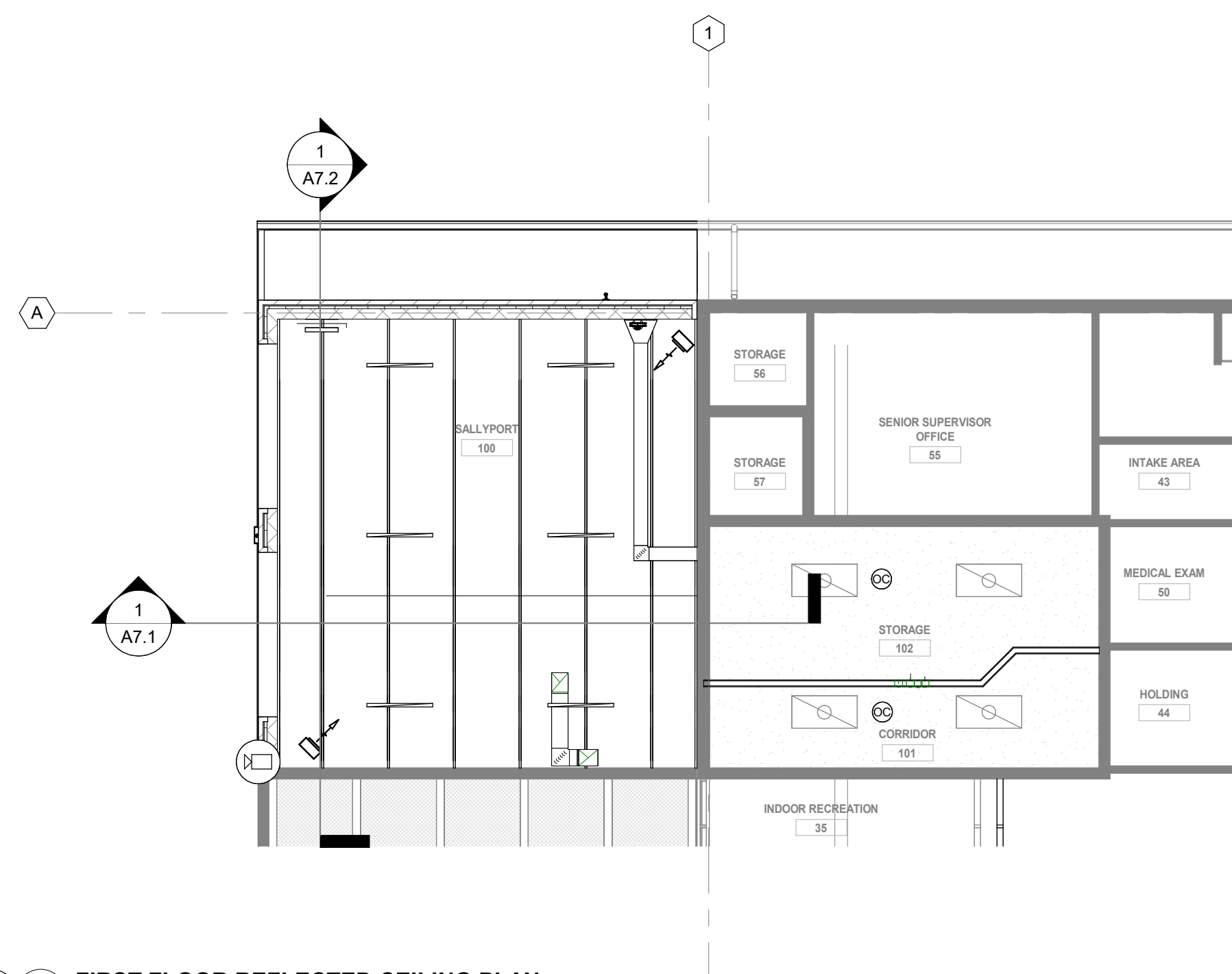
- A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
- B. COORDINATE WITH M.E.P. FOR ANY POWER, DATA OR EQUIPMENT REQUIREMENTS.
- C. DIMENSIONS ARE TO FACE OF STUD, CMU AND POST FRAME CONSTRUCTION.
- D. ALL KEYNOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. CONTRACTOR SHALL USE THE GRAPHICAL REPRESENTATIONS FOR COUNTS AND NOT THE KEYNOTES. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY SHOWN ON THE DRAWINGS.

ROOF PLAN NOTES:

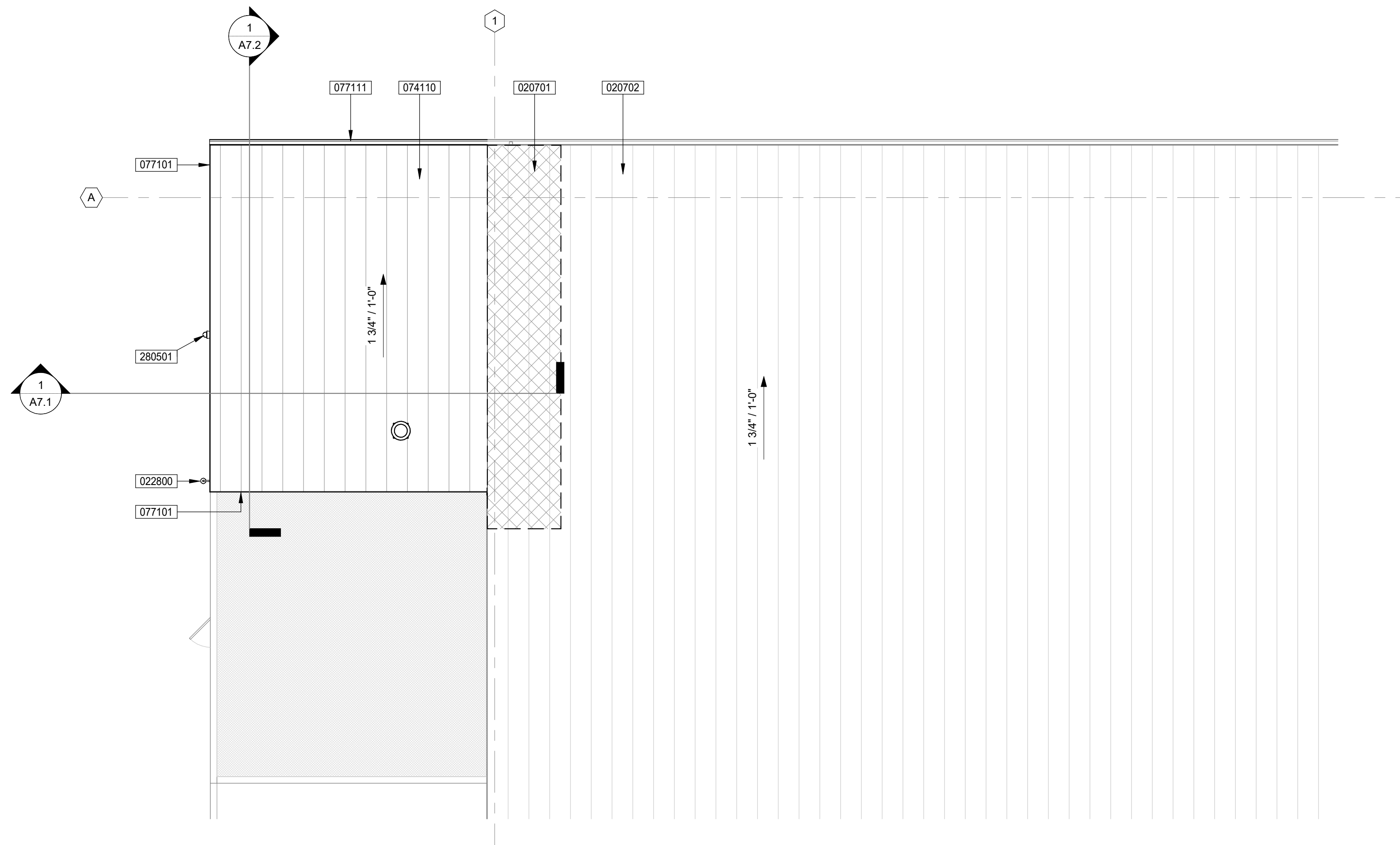
- A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
- B. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ROOF PENETRATING ITEMS. COORDINATE EXACT LOCATION IN THE FIELD.
- C. CENTER PENETRATIONS IN MIDDLE OF ROOF PANEL AT STANDING SEAM METAL ROOFS.

KEYNOTES

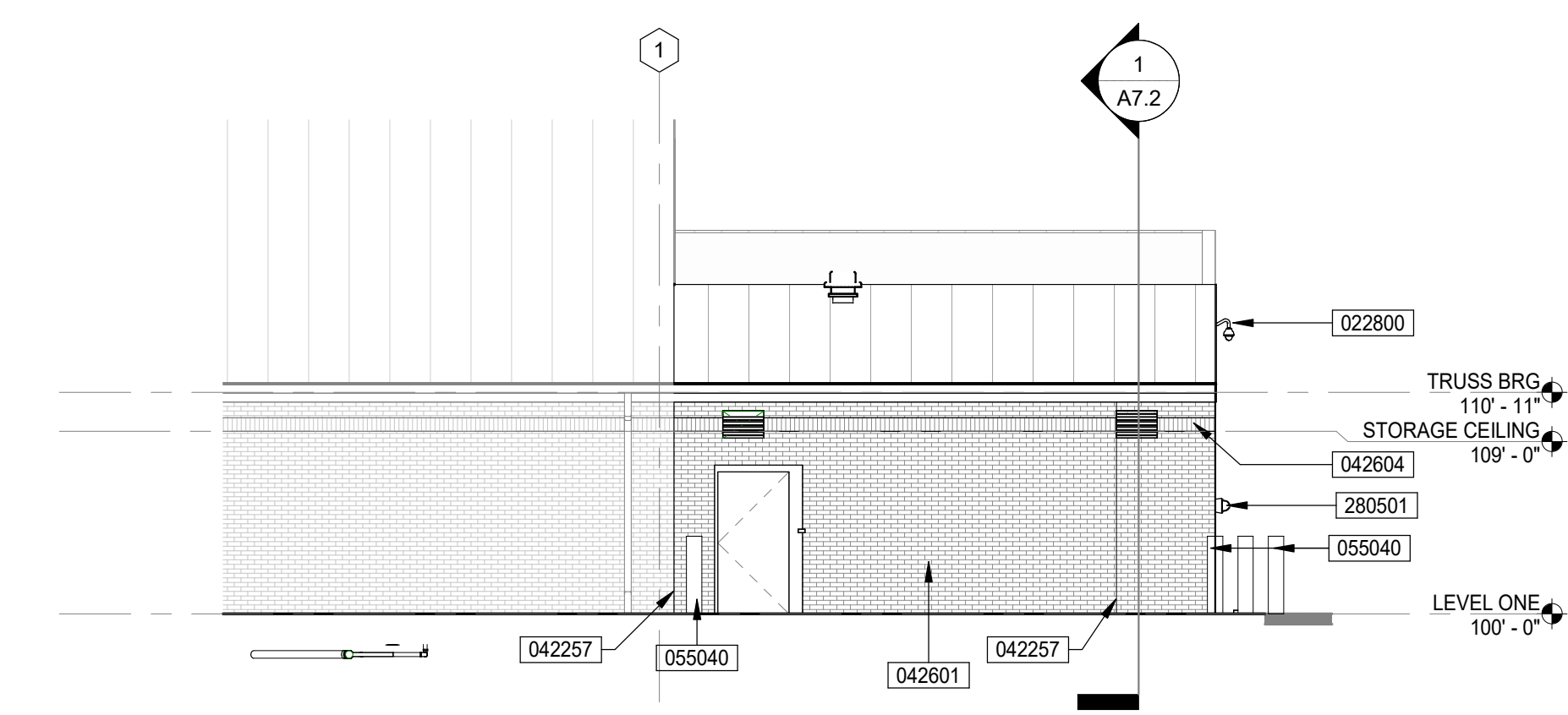
- 020701 REMOVE EXISTING ROOFING SYSTEM AS REQUIRED TO TIE INTO THE NEW CONSTRUCTION
- 020702 EXISTING METAL ROOF SYSTEM TO REMAIN
- 022210 SINK - SEE PLUMBING
- 022800 EXISTING SECURITY CAMERA TO BE REMOVED FOR RELOCATION. DISCONNECT AND REMOVE ALL ASSOCIATED CABLING FROM CAMERA BACK TO NEAREST JUNCTION/PULLBOX. CABLING TO REMAIN FOR CONNECTION TO RELOCATED CAMERA. REFER TO DRAWING M.E.1.0 FOR LOCATION OF RELOCATED CAMERA AND RE-CONNECTION REQUIREMENTS.
- 042249 MASONRY CONTROL JOINT
- 042257 BRICK EXPANSION JOINT
- 042601 MASONRY BRICK VENEER - TYPE 1, MATCH EXISTING
- 042604 MASONRY BRICK VENEER - TYPE 1, SOLDIER COURSE MATCH EXISTING
- 055040 6" DIA. METAL PIPE BOLLARDS WITH PLASTIC COVERS
- 074110 STANDING-SEAM METAL ROOF PANEL - MATCH EXISTING
- 077101 PRE-FINISHED METAL FASCIA - MATCHING EXISTING
- 077111 METAL GUTTER - MATCH EXISTING
- 280501 RE-INSTALL EXISTING REMOVED SECURITY CAMERA. REFER TO KEYNOTE #022800 ON DRAWING A02.1 FOR MORE INFORMATION. CAMERA TO BE SURFACE MOUNTED ON WALL. PROVIDE ONE (1) 2-GANG SURFACE MOUNTED WEATHERPROOF DEVICE BOX ON WALL AT SAME HEIGHT AS EXISTING. FIELD VERIFY EXACT HEIGHT. MODIFY AND EXTEND EXISTING CABLING AS NEEDED TO RELOCATED CAMERA. SPlicing OF EXISTING CABLING SHALL NOT BE ACCEPTABLE UNLESS APPROVED BY ENGINEER.



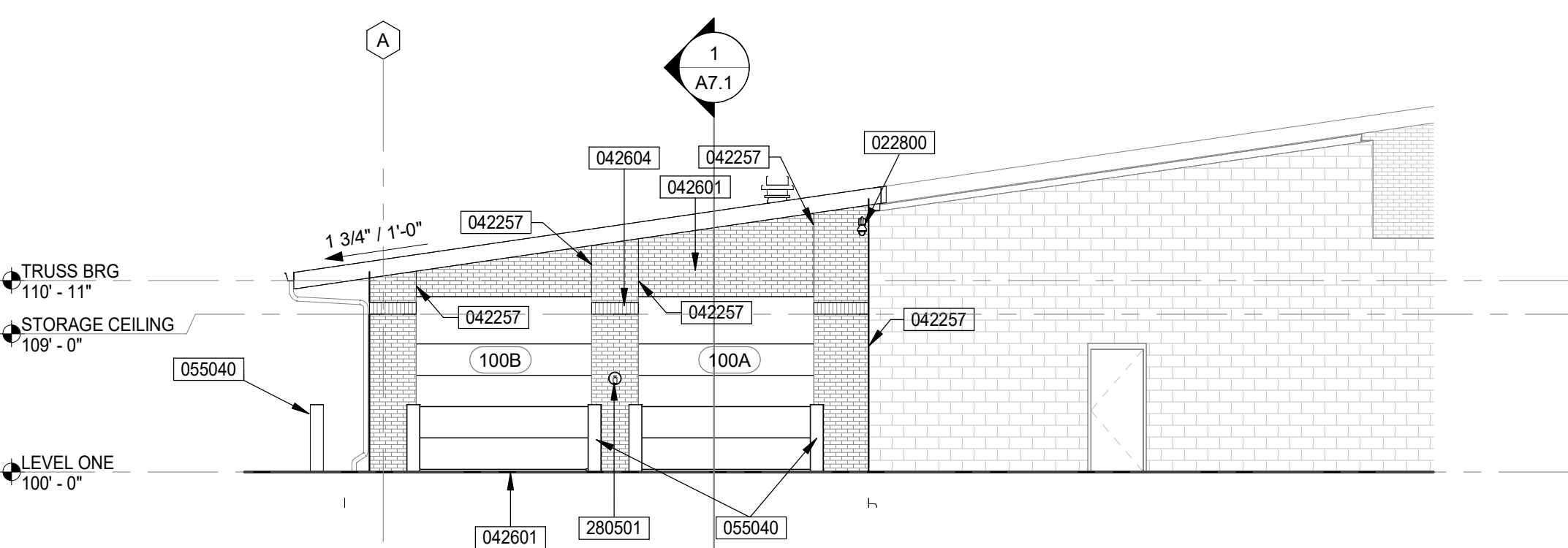
6 FIRST FLOOR REFLECTED CEILING PLAN
 SCALE: 1/8" = 1'-0"
 NORTH



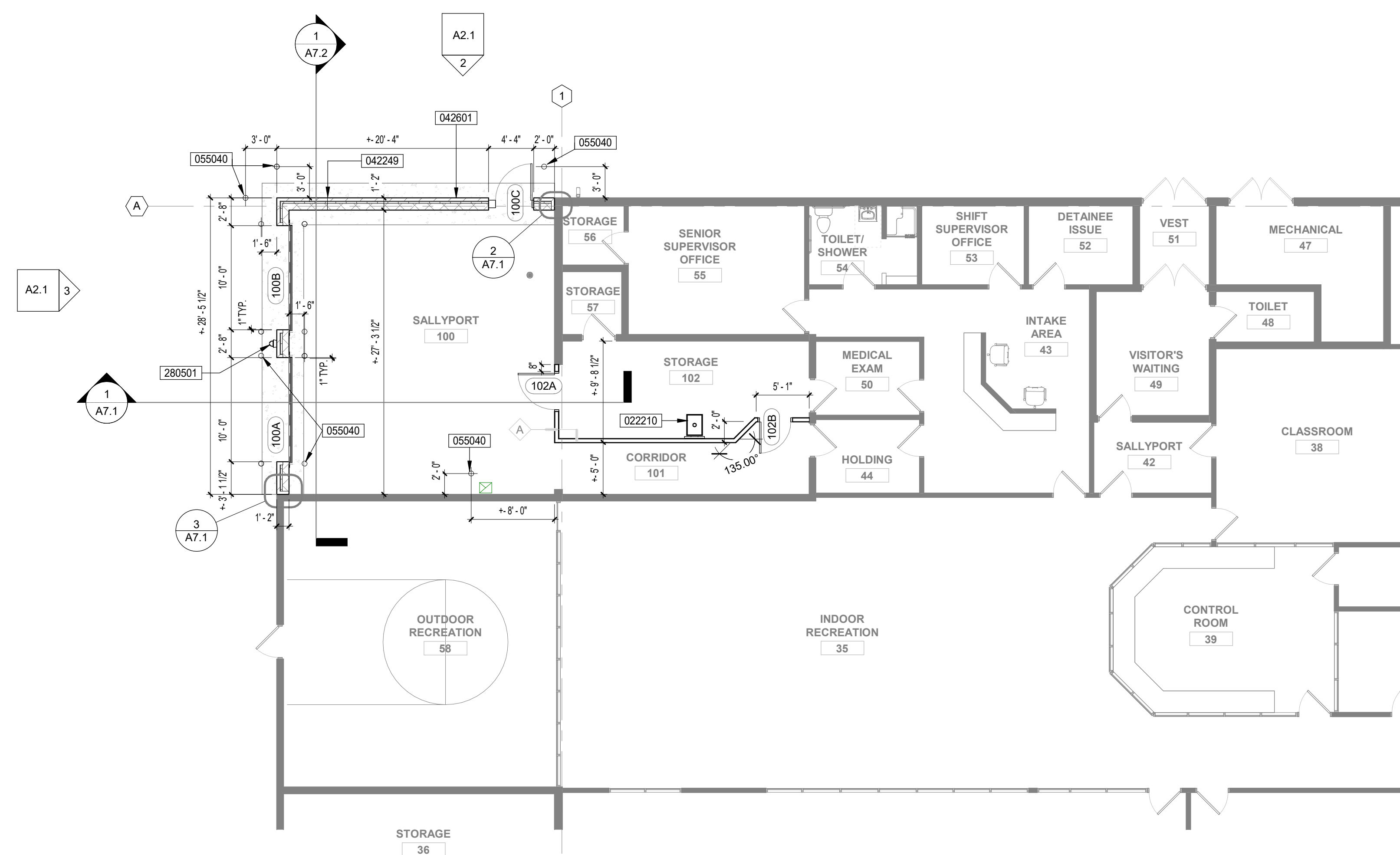
4 ROOF PLAN
 SCALE: 1/8" = 1'-0"
 NORTH



2 PARTIAL NORTH ELEVATION
 SCALE: 1/8" = 1'-0"



3 PARTIAL WEST ELEVATION
 SCALE: 1/8" = 1'-0"



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

LEGEND:

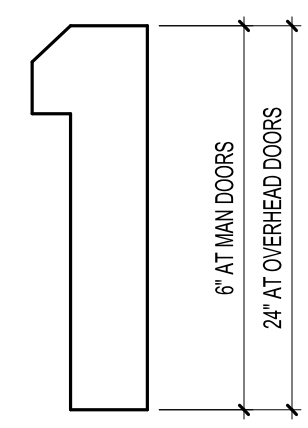
- NEW CONSTRUCTION
- EXISTING TO REMAIN

NO.	REVISION	DATE

DRAWN: CAG	CHK'D: EBR
DESIGNED: CAG	APPROV'D: EBR
DATE: MAY 24, 2024	PROJECT NUMBER: 2463-4014-90

INDIANA
 TERRE HAUTE
VIGO COUNTY COMMISSIONERS
 VIGO COUNTY JUVENILE CENTER SALLYPORT
 FIRST FLOOR, ROOF PLAN AND ELEVATIONS

DRAWING NUMBER: **A2.1**
 ARCHITECTURE



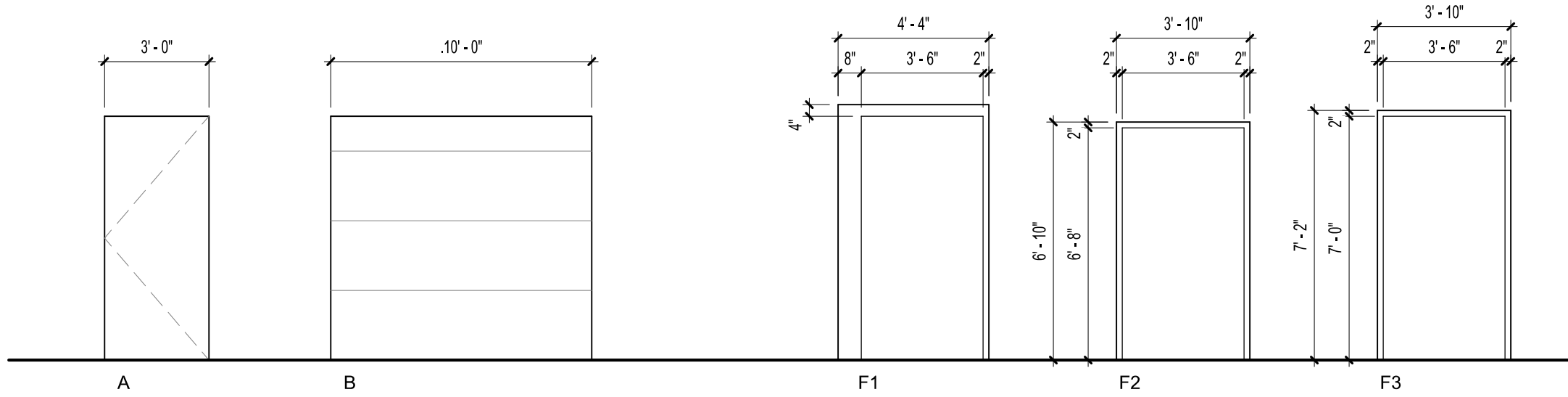
- PAINT ONE (1) DESIGNATION PER DOOR
- UP TO 3 DIGITS

SIGN ELEVATIONS

WT	DOOR						FRAME			DOOR SIGN	HWDR SET	COMMENTS	OPENING NUMBER
	SIZE		MAT'L	ELEV	MAT'L	ELEV	DETAILS						
	HEIGHT	WIDTH					HEAD	JAMB	SILL				
100A	10'-0"	10'-0"	STL	B	STL	---	H2	J2	S2	2	---	100A	
100B	10'-0"	10'-0"	STL	B	STL	---	H2	J2	S2	2	---	100B	
100C	7'-0"	3'-6"	DHM	A	DHM	F1	H1	J1	S1	2	S01	100C	
102A	6'-8"	3'-6"	HM	A	HM	F2	HJ3	HJ3	---	S2	C02	102A	
102B	7'-0"	3'-0"	HM	A	HM	F3	HJ3	HJ3	---	S2	C01	102B	

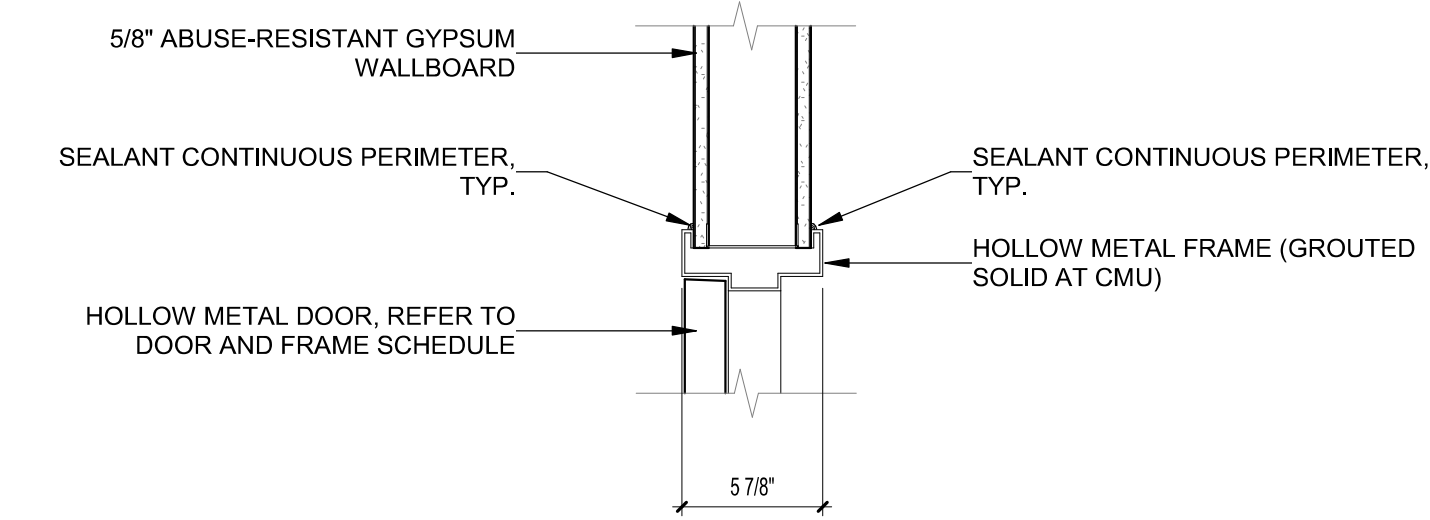
ABBREVIATIONS:
 DHM DETENTION HOLLOW METAL
 STL STEEL

REMARKS:
 1. FOR DOOR HARDWARE, REFER TO PROJECT MANUAL SECTION 08 71 00.
 2. ALL EXTERIOR DOORS TO BE INSULATED.

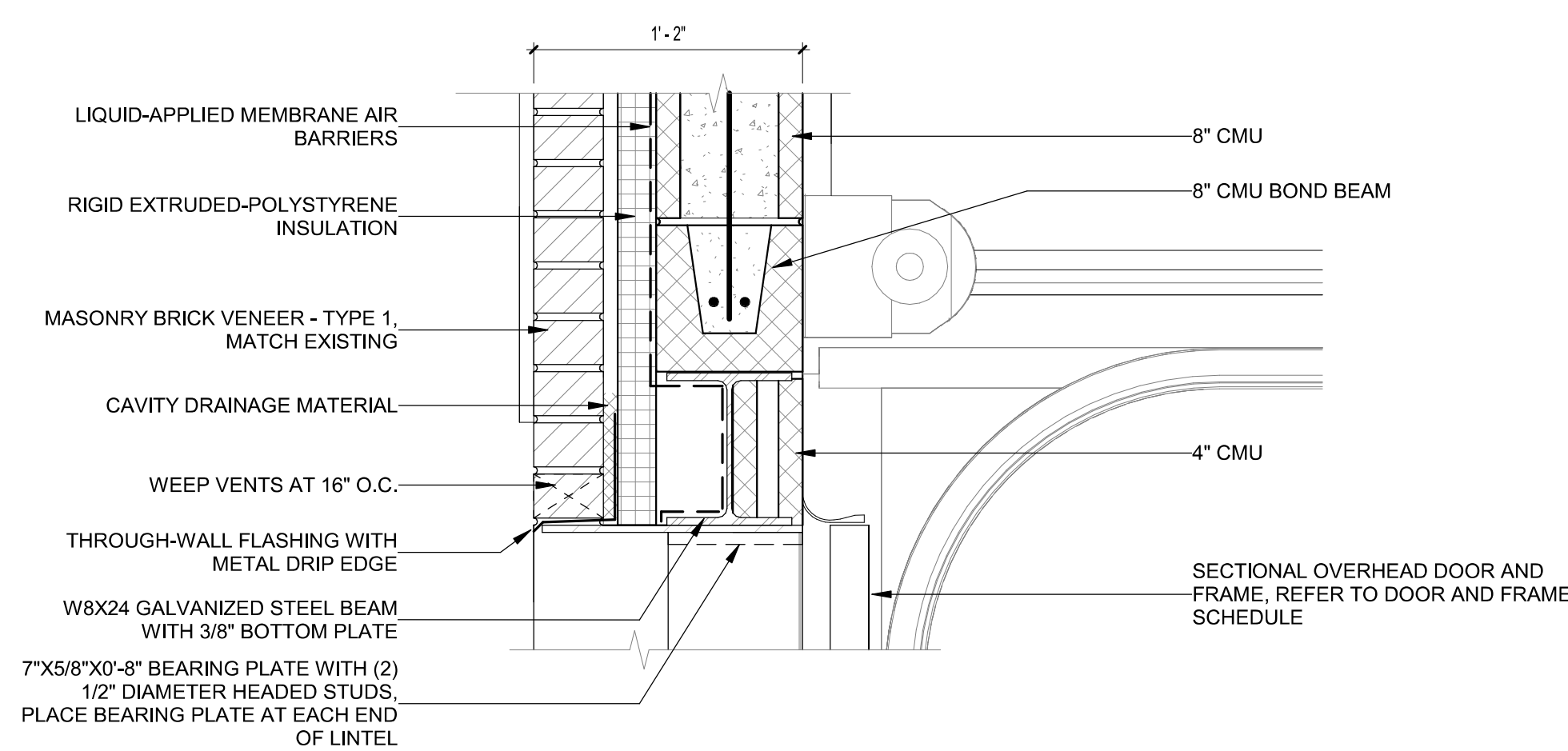


DOOR ELEVATIONS

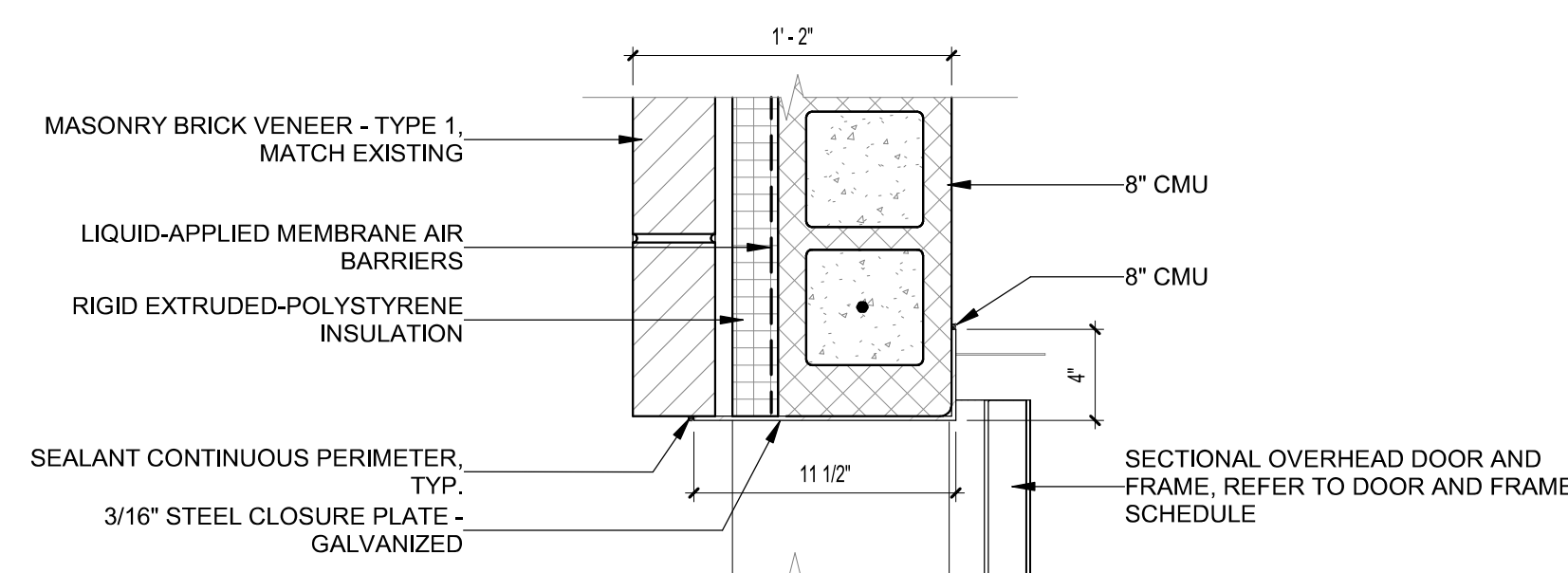
FRAME ELEVATIONS



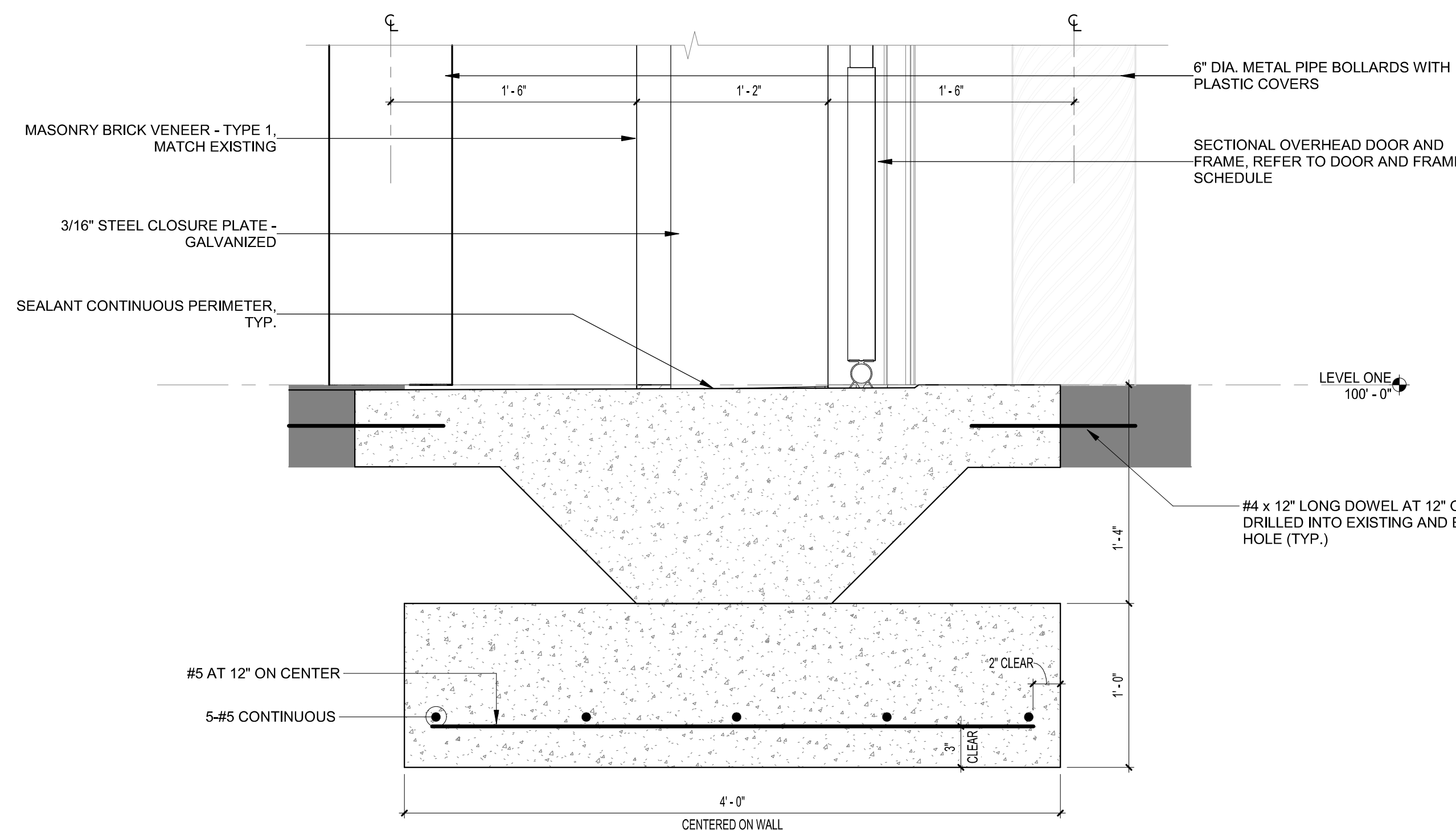
HJ3 DOOR DETAIL - HEAD/JAMB - METAL STUD
 SCALE: 1 1/2" = 1'-0"



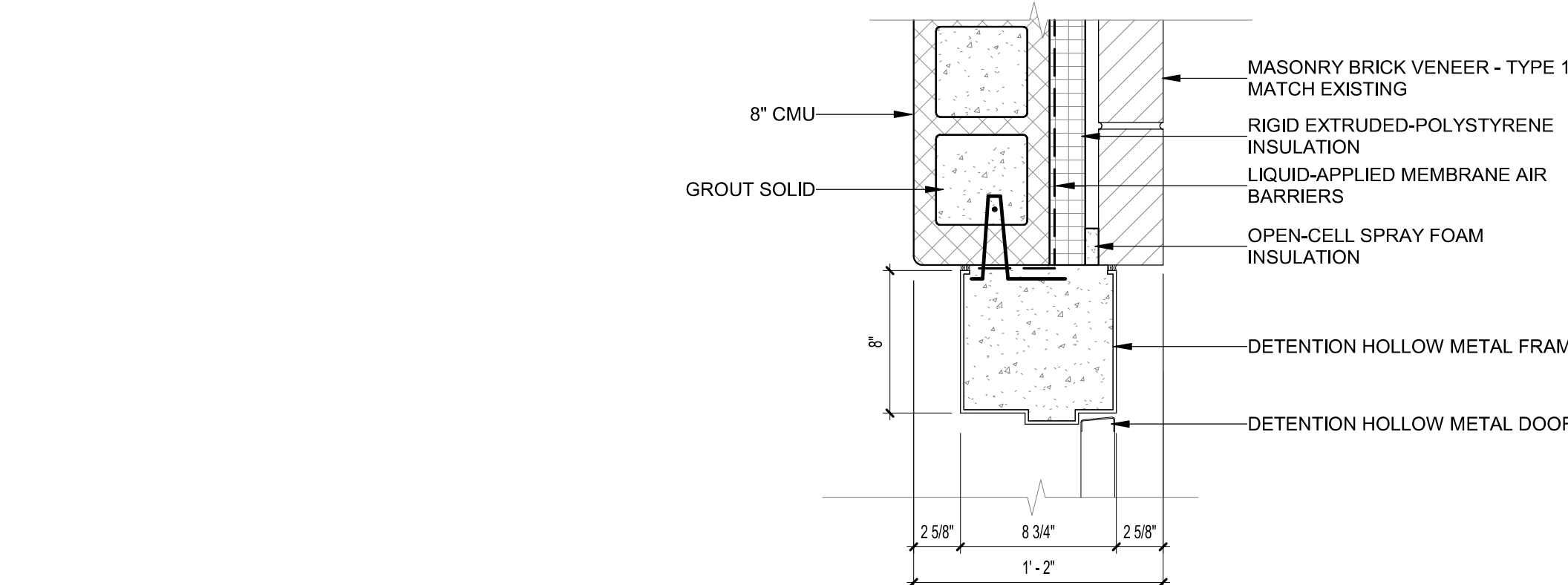
H2 SECTIONAL DOOR HEAD DETAIL
 SCALE: 1 1/2" = 1'-0"



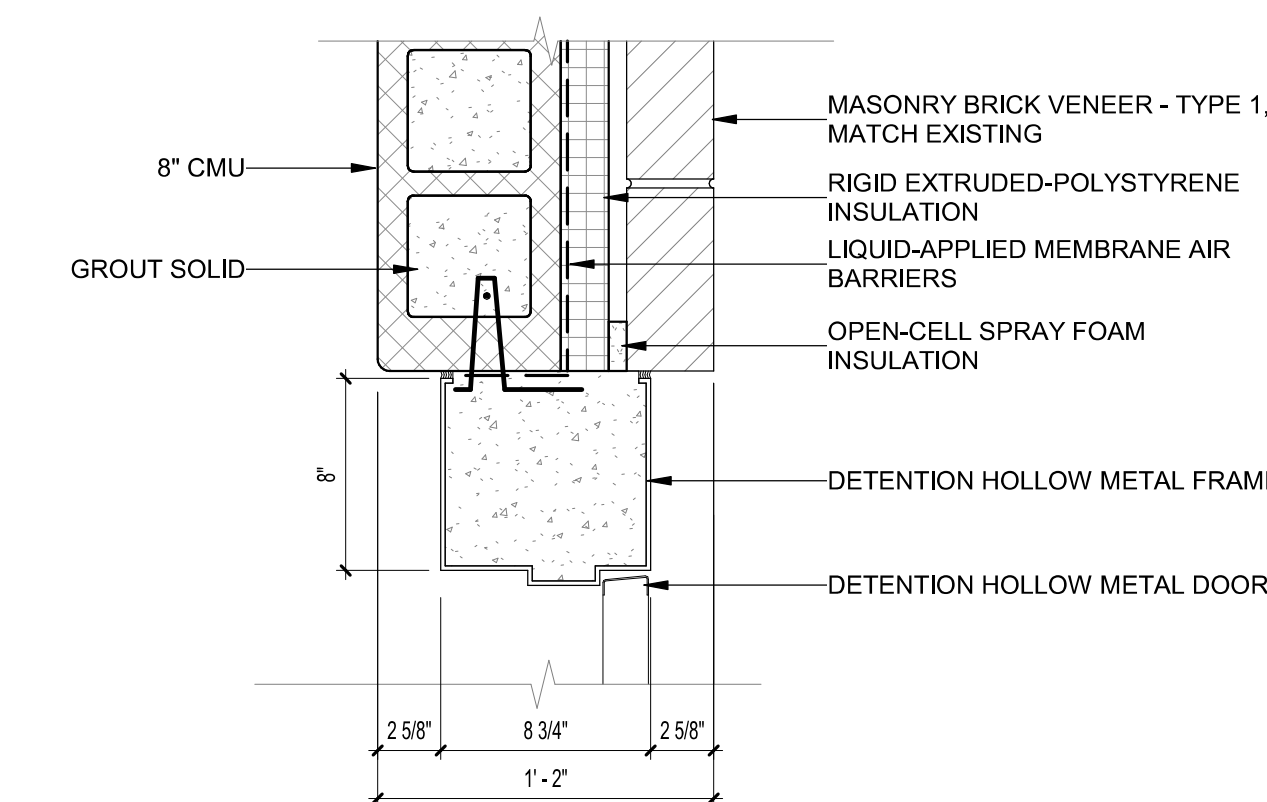
J2 SECTIONAL DOOR JAMB DETAIL
 SCALE: 1 1/2" = 1'-0"



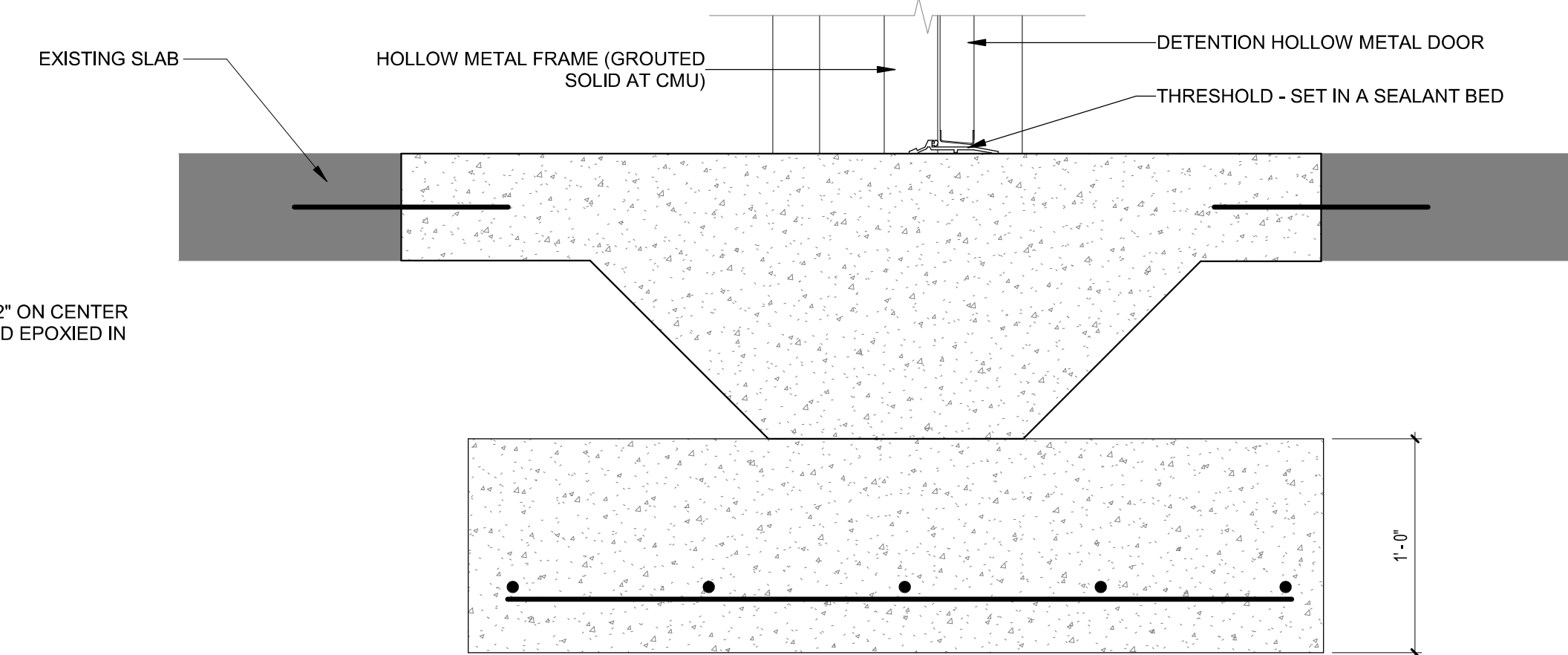
S2 SECTIONAL DOOR SILL DETAIL
 SCALE: 1 1/2" = 1'-0"



H1 DOOR HEAD DETAIL - EXTERIOR
 SCALE: 1 1/2" = 1'-0"



J1 DOOR JAMB DETAIL - EXTERIOR
 SCALE: 1 1/2" = 1'-0"



S1 DOOR SILL DETAIL
 SCALE: 1 1/2" = 1'-0"

GENERAL NOTES - FLOOR PLANS:

- REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
- COORDINATE WITH M.E.P. FOR ANY POWER, DATA OR EQUIPMENT REQUIREMENTS.
- DIMENSIONS ARE TO FACE OF STUD, CMU AND POST FRAME CONSTRUCTION.
- ALL KEYNOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. CONTRACTOR SHALL USE THE GRAPHICAL REPRESENTATIONS FOR COUNTS AND NOT THE KEYNOTES. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY SHOWN ON THE DRAWINGS.

GENERAL NOTES - DOORS:

- REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
- ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED.
- EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED.
- ALL EXTERIOR DOORS SHALL BE INSULATED.
- COORDINATE DOOR HARDWARE (I.E. ELECTRIC STRIKE, DOOR POWER SUPPLY, DOOR POSITION SWITCH, DOOR ACTUATOR/CONTROLLER, ETC.) WITH ELECTRICAL CONTRACTOR AND OR SECURITY ELECTRONICS (ACCESS CONTROL) VENDOR. REFER TO KEYNOTE 262003 ON DRAWING ME1.0 FOR ADDITIONAL COORDINATION REQUIREMENTS.
- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

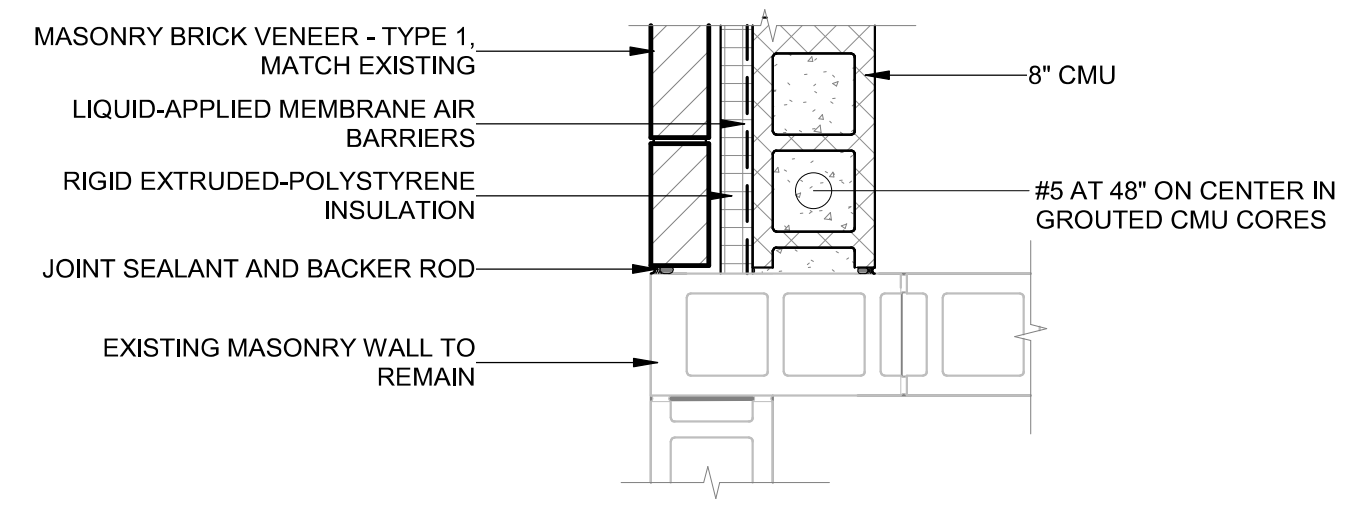
KEYNOTES

- 042201 4" CMU
- 042203 8" CMU
- 042208 8" CMU BOND BEAM
- 042241 THROUGH-WALL FLASHING WITH METAL DRIP EDGE
- 042243 WEEP VENTS AT 16" O.C.
- 042244 CAVITY DRAINAGE MATERIAL
- 042251 GROUT SOLID
- 042801 MASONRY BRICK VENEER - TYPE 1, MATCH EXISTING
- 051202 W8X24 GALVANIZED STEEL BEAM WITH 3/8" BOTTOM PLATE
- 051203 L6X6X3/8 GALVANIZED LOOSE LINTEL AT OPENING
- 051208 3/16" STEEL CLOSURE PLATE - GALVANIZED
- 051209 7x5/8"x0-8" BEARING PLATE WITH (2) 1/2" DIAMETER HEADED STUDS. PLACE BEARING PLATE AT EACH END OF LINTEL
- 055040 6" DIA. METAL PIPE BOLLARDS WITH PLASTIC COVERS
- 072112 OPEN-CELL SPRAY FOAM INSULATION
- 072120 RIGID EXTRUDED-POLYSTYRENE INSULATION
- 072720 LIQUID-APPLIED MEMBRANE AIR BARRIERS
- 079202 SEALANT CONTINUOUS PERIMETER, TYP.
- 081101 HOLLOW METAL DOOR, REFER TO DOOR AND FRAME SCHEDULE
- 081102 HOLLOW METAL FRAME (GROUTED SOLID AT CMU)
- 083412 DETENTION HOLLOW METAL DOOR
- 083413 DETENTION HOLLOW METAL FRAME
- 083601 SECTIONAL OVERHEAD DOOR AND FRAME, REFER TO DOOR AND FRAME SCHEDULE
- 087103 THRESHOLD - SET IN A SEALANT BED
- 092931 5/8" ABUSE-RESISTANT GYPSUM WALLBOARD

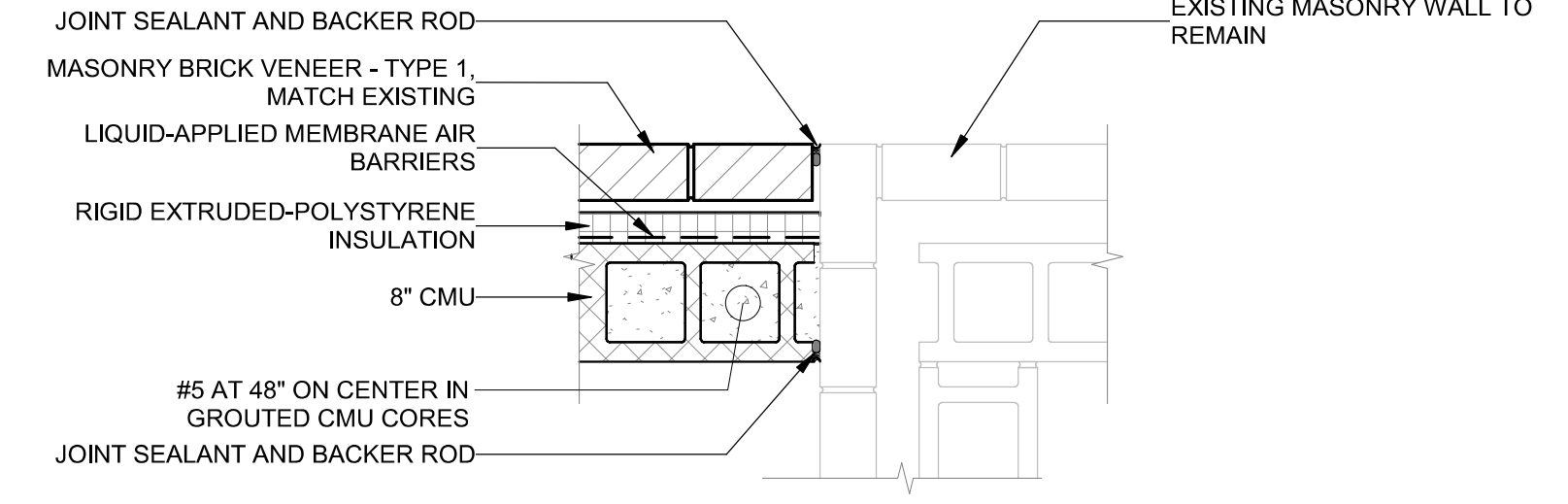


NO.	REVISION	DATE

INDIANA	INDIANA	INDIANA	INDIANA
TERRE HAUTE	VIGO COUNTY COMMISSIONERS	VIGO COUNTY JUVENILE CENTER SALLYPORT	DOOR AND FRAME SCHEDULE AND DETAILS
DRAWING NUMBER	A3.1	PROJECT NUMBER	2463-4014-90
ARCHITECTURE			

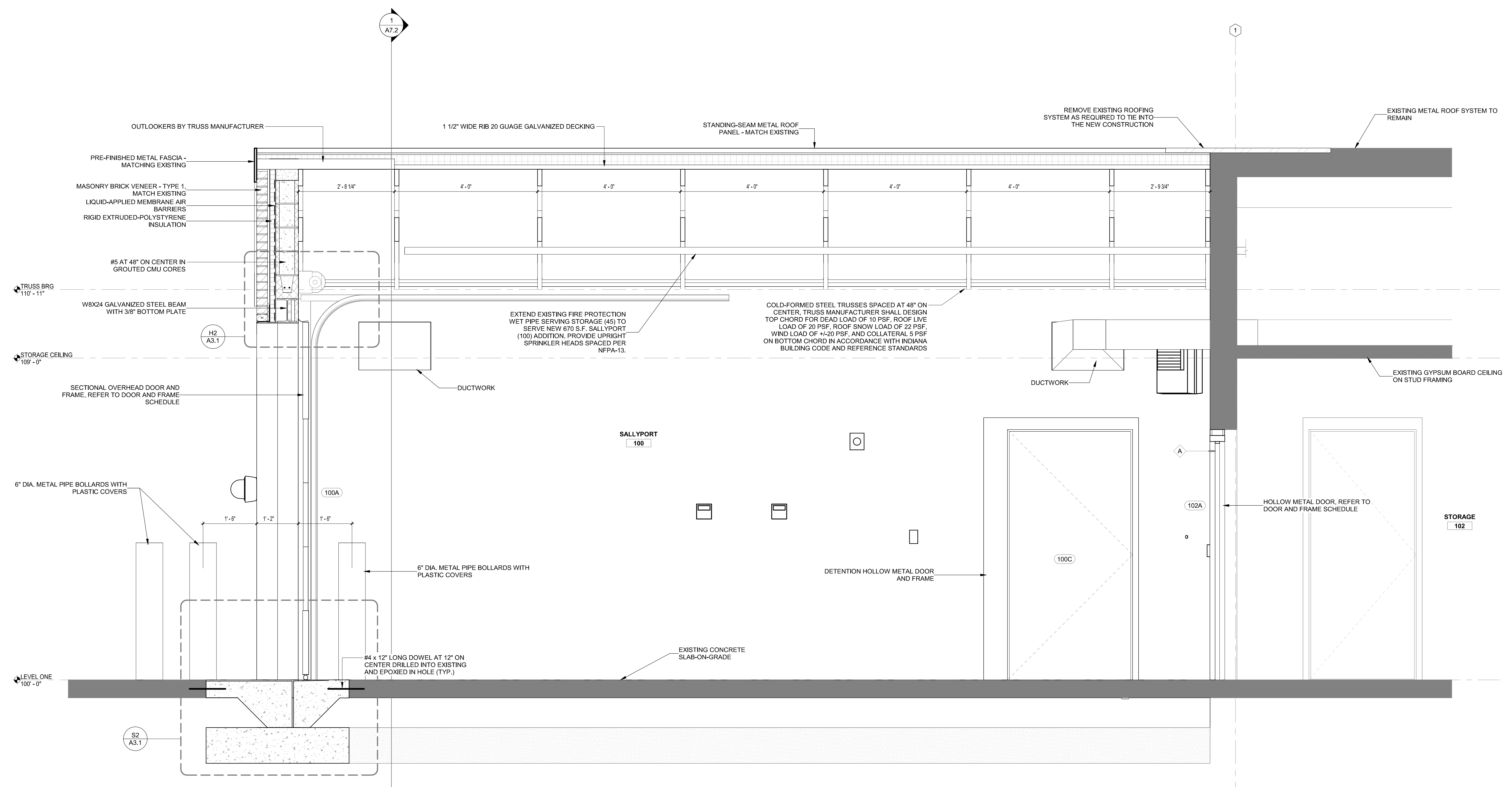
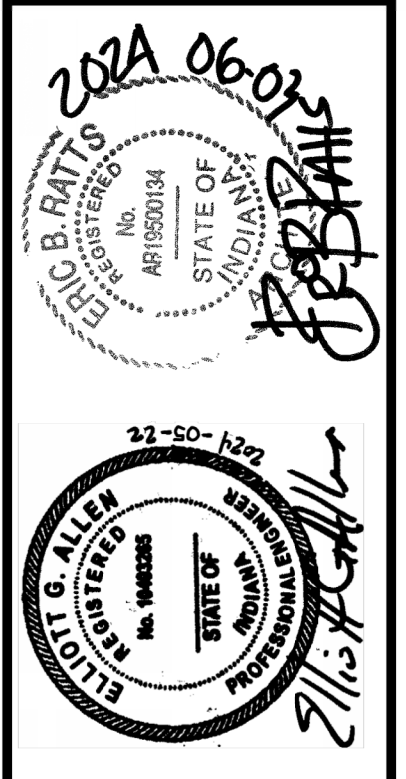


3 NEW TO EXISTING WALL DETAIL 02
SCALE: 1" = 1'-0"



2 NEW TO EXISTING WALL DETAIL 01
SCALE: 1" = 1'-0"

GENERAL NOTES:
A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
B. ALL KEYNOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. CONTRACTOR SHALL USE THE GRAPHICAL REPRESENTATIONS FOR COUNTS AND NOT THE KEYNOTES. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY SHOWN ON THE DRAWINGS.



1 E-W BUILDING SECTION
SCALE: 3/4" = 1'-0"

C:\Rev\Backup\2023\2463-4014-90 VIGO JUVENILE ADDITION_ARCH_03.dwg 5/24/2024 11:09:48 AM

DRAWING NUMBER	ARCHITECTURE
A7.1	
TERRA HAUTE	VIGO COUNTY COMMISSIONERS
INDIANA	VIGO COUNTY JUVENILE CENTER SALLYPORT
	WALL SECTION AND DETAILS
PROJECT NUMBER	2463-4014-90
DATE	MAY 24, 2024
DESIGNED: CAG	CHKD: EBR
APPROVED: EBR	
NO.	REVISION
DATE	

ELECTRICAL SYMBOLS:

- GFCI
SUR
JUNCTION BOX
DISTRIBUTION PANELBOARD
PANELBOARD
NON-FUSED DISCONNECT SWITCH
NON-COMBINATION MAGNETIC MOTOR STARTER
MOTOR
CONDUIT CONCEALED IN GROUND OR FLOOR
CONDUIT TURN UP AND TURN DOWN RESPECTIVELY
LIGHT FIXTURE
FIRE ALARM MANUAL PULL STATION
FIRE ALARM HORN WITH VISUAL SYNCHRONIZED STROBE
FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR
TOGGLE SWITCH
DUAL TECHNOLOGY OCCUPANCY SENSOR

- REMOTE INTERCOM STATION
ELECTRIC DOOR STRIKE
POE VIDEO SURVEILLANCE SECURITY CAMERA
CAM
FIRE ALARM MANUAL PULL STATION
FIRE ALARM HORN WITH VISUAL SYNCHRONIZED STROBE
FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR

SPECIFICATIONS (ELECTRICAL):

- GROUNDING AND BONDING
LOW-VOLTAGE CONDUCTORS AND CABLING
CONDUIT HANGERS AND SUPPORTS
WIRING DEVICE BOXES LOCATED IN EXTERIOR LOCATIONS
WIRING DEVICE BOXES LOCATED IN INTERIOR DRY LOCATIONS
CABLE TIES SHALL BE UV-RESISTANT

IDENTIFICATION:

- PRIOR TO CONSTRUCTION COMPLETION, EC SHALL CLEARLY LABEL BOXES, ENCLOSURES, WIRING DEVICES, ETC.
COLOR-CODING FOR PHASE- AND VOLTAGE-LEVEL IDENTIFICATION
PROVIDE CLEAR SELF-ADHESIVE WEATHER RESISTANT LABELS WITH TYPED BLACK LETTERING

ELECTRICAL ABBREVIATIONS:

Table with 4 columns: Abbreviation, Description, and two additional columns for related terms or standards.

ELECTRICAL GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC. LOCATIONS/HEIGHTS FOR NEW/RELOCATED ELECTRICAL ITEMS SHALL BE FIELD VERIFIED/DETERMINED PRIOR TO CONSTRUCTION.
ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.
CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT.

Branch Panel: LP-B

Location: (E) Mechanical Room
Supply From: (E) Distribution Panel 'DP-1'
Mounting: Surface
Enclosure: 1
Volts: 120/208 Vye
Phases: 3
Wires: 4
A.I.C. Rating: Existing
Mains Type: Main Lug Only
Mains Rating: 225 A

Notes: EXISTING SURFACE MOUNTED GE 'A SERIES' PANELBOARD TO REMAIN.

Table with columns: CKT, Circuit Description, Trip, Poles, A (VA), B (VA), C (VA), Poles, Trip, Circuit Description, CKT. Includes a Total Load summary row.

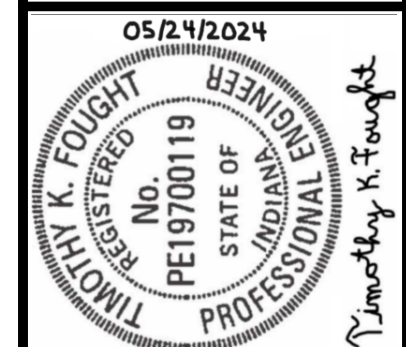
Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes sub-totals for Lighting, Motor, Receptacle, Heating, MISC EQUIP.

Notes:
** = PROVIDE 20A/1P BREAKER IN EXISTING PANELBOARD SPACE.
** = PROVIDE 30A/3P BREAKER IN EXISTING PANELBOARD SPACE.

Lighting Fixture Schedule table with columns: TYPE, LAMP, WATTAGE, VOLTS, DESCRIPTION, BASIS OF DESIGN, EQUAL MANUFACTURER APPROVED BY ENGINEER, TYPE COMMENTS.

LIGHTING FIXTURE SCHEDULE NOTES:

- FOR TYPE A1 FIXTURES: ADJUST INTEGRAL PIR OCCUPANCY SENSOR SETTINGS AS REQUIRED.
FOR TYPE X1 AND X2 FIXTURES: ADJUST AIMING OF HEADS SO A MINIMUM OF ONE (1) FOOT CANDLES ALONG PATH(S) OF EGRESS.



DATE:
REVISION:
NO.
DRAWN:
DESIGNED:
APPROVED:
DATE:
PROJECT NUMBER: 2463-4014-90

INDIANA
TERRE HAUTE
VIGO COUNTY COMMISSIONERS
VIGO COUNTY JUVENILE CENTER SALLYPORT
ELECTRICAL GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES

DRAWING NUMBER: ME0.1
MECHANICAL

SPECIFICATIONS (HVAC PLUMBING AND FIRE PROTECTION):

- ALL EQUIPMENT SHALL BE INSTALLED AND ADJUSTED AS REQUIRED TO PROVIDE SAFE AND SATISFACTORY OPERATING CONDITIONS. ALL MISCELLANEOUS AUXILIARY EQUIPMENT NECESSARY FOR OPERATION OF THE FINISHED SYSTEM SHALL BE PROVIDED EVEN THOUGH NOT SHOWN.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, TAXES, FEES AND OTHER COSTS IN CONNECTION WITH THE WORK.
- LOCATIONS OF EQUIPMENT SHOWN ON DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED ON SITE. CONTRACTOR SHALL PROVIDE A FINISHED WORKMANLIKE JOB. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND LABOR PROVIDED BY HIM TO BE FREE OF DEFECTS AND SHALL AGREE TO REPLACE AND/OR REPAIR, WITHOUT COST TO THE OWNER, ANY SUCH DEFECTS WITHIN ONE YEAR OF THE DATE OF FINAL ACCEPTANCE.
- IN CASE OF ANY DISCREPANCY BETWEEN VARIOUS DRAWINGS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY REFER THE MATTER TO THE ENGINEER FOR HIS INTERPRETATION BY MEANS OF A DULY ISSUED ADDENDA. ALL INTERPRETATIONS OF THE DRAWINGS AND SPECIFICATIONS SHALL REST SOLELY WITH THE ENGINEER AND HIS INTERPRETATION SHALL BE CONSIDERED AS FINAL. NO ORAL INTERPRETATION OF ANY KIND REGARDING ANY PART OF CONTRACT DOCUMENTS SHALL BE BINDING UPON THE OWNER, ARCHITECT/ENGINEER OR BIDDER. ANY ADDENDA ISSUED DURING THE TIME OF BIDDING SHALL BE INCLUDED IN THE BID PROPOSAL AND SHALL BECOME A PART OF THE CONTRACT DOCUMENTS UPON AWARD OF THE CONTRACT.
- CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT AND VERIFY EXTENT OF DEMOLITION FOR BIDDING PURPOSES.
- SUBMIT ELECTRONIC COPIES (PDF FILES) OR SHOP DRAWINGS SHOWING DETAILED ARRANGEMENT OF WORK BEFORE COMMENCING WORK ON THE JOB. SHOP DRAWINGS SHALL BEAR STAMP OF APPROVAL OF CONTRACTOR AS EVIDENCE THAT DRAWINGS HAVE BEEN CHECKED BY HIM AND COMPLY WITH THE REQUIREMENTS OF CONTRACT DRAWINGS AND SPECIFICATIONS. ANY DRAWINGS SUBMITTED WITHOUT THIS STAMP OF APPROVAL WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBMISSION. IF DRAWINGS SUBMITTED SHOW VARIATIONS FROM REQUIREMENTS OF CONTRACT, THE CONTRACTOR WILL MAKE SPECIFIC MENTION OF SUCH VARIATIONS IN HIS LETTER OF TRANSMITTAL IN ORDER THAT IF ACCEPTABLE SUITABLE ACTION MAY BE TAKEN FOR PROPER ADJUSTMENT AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL RECORD ALL INSTALLED WORK INCLUDING CHANGES AND DEVIATIONS FROM DESIGN DRAWINGS. RECORDINGS SHALL BE PRINTED ON BLUE LINE PRINTS KEPT IN GOOD CONDITION AT THE JOB SITE AS WORK PROGRESSES AND BEFORE ANY WORK IS COVERED. UPON COMPLETION OF WORK, THE JOB SITE PRINTS SHALL BE DELIVERED TO THE DESIGN ENGINEER CERTIFIED THAT ALL WORK WAS INSTALLED AS SHOWN. AFTER APPROVAL BY THE ENGINEER, THE CONTRACTOR SHALL TRANSFER ALL DATA FROM PRINTS TO AUTOCAD/DREVIT DRAWINGS. A CD, PDF AND TWO (2) SETS OF PRINTS SHALL BE DELIVERED TO THE ENGINEER. FINAL APPROVAL OF THE WORK AND FINAL PAYMENT SHALL BE WITHHELD UNTIL THE RECEIPT OF THE CD, PDF AND PRINTS.
- CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK.
- FINISH PAINTING SHALL BE DONE UNDER THE GENERAL CONTRACT. FINISHED SURFACES OF EQUIPMENT SHALL BE TOUCHED UP WITH SAME PAINT AS APPLIED AT THE FACTORY.
- CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN SATISFACTORY CONDITION TO BE STARTED.
- THE WORK COVERED UNDER THIS DIVISION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIALS AND TOOLS NECESSARY FOR A COMPLETE SYSTEM FOR HVAC, PLUMBING AND FIRE PROTECTION WORK, AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GUARANTEED (PARTS AND LABOR) FOR A PERIOD OF ONE (1) YEAR.
- RIGID DUCTWORK SHALL BE CONSTRUCTED OF NEW PRIME GRADE GALVANIZED STEEL. LOW PRESSURE DUCTWORK SHALL BE DESIGNED FOR STATIC PRESSURE RATING UP TO 2" WC. HIGH PRESSURE DUCTWORK SHALL BE USED FOR DUCT STATIC PRESSURE EXCEEDING 2" WC. DUCTWORK SHALL BE FABRICATED AS PER SMACNA STANDARDS.
- PROVIDE FIRE AND/OR SMOKE DAMPERS IN FIRE AND SMOKE WALLS SPECIFICALLY WHETHER INDICATED ON THE PLANS OR NOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, LATEST APPLICABLE EDITION. DAMPERS SHALL BE IN COMPLIANCE WITH UL STANDARD FOR FIRE DAMPERS, UL 555 AND SHALL BE UL LABELED, TESTED AND INSPECTED.
- CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FUNCTIONING SYSTEM OF PLUMBING AND DRAINAGE.
- DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH SIL-FOS SILVALOY OR APPROVED EQUAL.
- SANITARY AND VENT PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH SOLVENT WELDED JOINTS, OR NO-HUB CAST IRON PIPE. NOTE: IF USED, PVC PIPING WITHIN CIRCULATED AIR PLenums SHALL BE COMPLETELY INSULATED WITH 1/2" THICK FIRE RETARDANT RETARDANT INSULATION MEETING THE REQUIRED FLAME AND SMOKE DEVELOP RATINGS.
- DOMESTIC WATER PIPING SYSTEMS SHALL BE INSULATED AS FOLLOWS: (NOTE MAXIMUM OF TWO (2) MATERIALS MAY BE USED).
 - A) DOMESTIC HOT WATER, COLD WATER AND RECIRCULATED WATER
 - i) 1" THICK MOLDED GLASS FIBER - ALL SIZES
 - ii) 1" THICK ELASTOMERIC - UP TO AND INCLUDING 1-1/2"
 - iii) 1" RIGID PHENOLIC - ALL SIZES
 - B) ALL SANITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES)
 - i) 1" THICK MOLDED GLASS FIBER - ALL SIZES
 - ii) 1" THICK ELASTOMERIC - UP TO AND INCLUDING 1-1/2"
 - iii) 1" RIGID PHENOLIC - ALL SIZES
- PREPARATION OF WORKING PLANS, CALCULATIONS AND FIELD TEST REPORTS FOR FIRE PROTECTION SYSTEMS SHALL BE CARRIED OUT BY A QUALIFIED FIRE PROTECTION ENGINEER LICENSED IN THE STATE OF THE INDIANA. FIRE PROTECTION PIPE SHALL BE OF SCHEDULE 40 GRADE.
- AT ALL DUCTWORK PENETRATIONS PROVIDE DUCT SLEEVE, CAULK AIRTIGHT BETWEEN SLEEVE & DUCT, FULL PERIMETER. PROVIDE NON-SHRINK GROUT AROUND SLEEVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY SHUTDOFFS WITH THE OWNER. PROVIDE ISOLATION VALVES AS REQUIRED TO MINIMIZE IMPACT OF SHUTDOWNS.

PLUMBING GENERAL NOTES

- INSTALLATION OF PLUMBING FIXTURES AND ACCESSORIES, INCLUDING FLUSH CONTROL VALVES INTENDED FOR PEOPLE WITH DISABILITIES, SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
- INSTALLATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.
- NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
- IF NON DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR MODIFICATIONS TO THE ORIGINAL SYSTEM(S) INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW.
- PROVIDE WATER HAMMER ARRESTERS AT PLUMBING FIXTURES AND GROUPS OF PLUMBING FIXTURES THAT ARE SUBJECT TO WATER HAMMER. SELECT ARRESTERS IN ACCORDANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE STANDARD.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS.
- ALL PLUMBING WORK SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL PLUMBING CODE, LATEST EDITION ADOPTED BY THE STATE OF INDIANA WITH INDIANA AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.
- INSTALL BALL VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING EQUIPMENT AND FIXTURES.
- CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED WHETHER INDICATED ON THE DRAWINGS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL / CEILING ASSEMBLY.
- ALL REQUIRED SHUT-OFF VALVES SHALL BE CLEARLY MARKED LOCATED IN THE SAME PLACE AND ACCESSIBLE WITHOUT A LADDER. SHUT-OFF VALVES LOCATED ABOVE THE CEILING THROUGHOUT THE BUILDING SHALL BE WITHIN 24" OF THE CEILING.
- PROVIDE SIZES TO FIXTURES AS INDICATED ON PLANS, RISERS, AND SECTIONS. IF SIZE IS NOT INDICATED, PROVIDE SIZE SHOWN ON PLUMBING FIXTURE SCHEDULE.
- PROVIDE HOUSING PADS FOR EQUIPMENT. PAD SIZES SHOWN ARE APPROXIMATE AND BASED ON BASIS OF DESIGN EQUIPMENT. PROPER EQUIPMENT OPERATION AND MAINTENANCE REQUIRES EQUIPMENT PADS SIZED TO SPECIFIC EQUIPMENT. PROVIDE COORDINATION DRAWINGS ILLUSTRATING PROPOSED PAD DIMENSIONS BASED ON APPROVED EQUIPMENT. DO NOT PERFORM LAYOUT WORK OR BEGIN FORM WORK PRIOR TO APPROVAL OF COORDINATION DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED PATCHING, SAW CUTTING OF WALLS, FLOORS, CEILING ETC. AS NEEDED FOR INSTALLATION OF NEW EQUIPMENT, PIPING, PLUMBING FIXTURES ETC. PATCH AS NEEDED TO MATCH ADJACENT CONDITIONS.

GENERAL DEMOLITION NOTES

- THE CONTRACTOR SHALL VERIFY ALL EXISTING MECHANICAL SYSTEMS TO DETERMINE EXTENT OF REMOVAL WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS OR IN SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL DEMOLITION WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE STATE OF INDIANA, OSHA, AND NFPA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND INSPECTIONS.
- ALL DEMOLITION WORK SHALL BE COORDINATED WITH DEMOLITION WORK SHOWN ON OTHER CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES PRIOR TO BEGINNING WORK.
- OWNER RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL INDICATED TO BE DEMOLISHED.
- ALL ITEMS DESIGNATED TO BE REMOVED SHALL INCLUDE ALL EQUIPMENT, PIPING, HANGERS, AND POWER & CONTROLS ASSOCIATED WITH ITEM TO BE REMOVED. CAP ASSOCIATED PIPING, PATCH WALL TO MATCH EXISTING CONDITIONS WHERE THROUGH PENETRATIONS AND/OR REMOVALS OCCURRED, CAREFULLY AND SKILFULLY REMOVE ALL ITEMS IN ORDER TO PREVENT DAMAGE. REPAIR FINISHES TO MATCH EXISTING. OWNER HAS SALVAGE RIGHTS TO ALL REMOVALS. COORDINATE WITH THE OWNER SPECIFIC SALVAGE ITEMS PRIOR TO REMOVAL.
- CONTRACTOR REQUIRED TO COORDINATE AREAS OF DEMOLITION WORK WITH OWNER'S REPRESENTATIVE IN ORDER TO HAVE AREAS CLEARED. CONTRACTOR TO IDENTIFY AND BLOCK OFF THESE AREAS OF CONSTRUCTION.
- PATCH, REPAIR, RESTORE AND REFINISH ALL ADJACENT MATERIALS AND CONSTRUCTION INTENDED TO REMAIN TO LIKE-NEW CONDITION AS WELL AS CORRECTION OF DAMAGE RESULTING FROM DEMOLITION OR NEW CONSTRUCTION ACTIVITIES. PATCH AND REPAIR EXISTING SURFACES LEFT EXPOSED AFTER DEMOLITION AND PREPARE THEM FOR NEW CONSTRUCTION. INFILL VOIDS LEFT BY DEMOLITION TO MATCH SURROUNDING.
- IF ADDITIONAL EQUIPMENT IS DETERMINED REQUIRED TO BE DISCONNECTED OR REMOVED DURING DEMOLITION FOR NEW INSTALLATION PURPOSES, VERIFY WITH ENGINEER AND OWNER'S REPRESENTATIVE BEFORE DISCONNECTION AND/OR REMOVAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY SUPPORTING DEVICES IN THE CEILINGS TO BE REPLACED INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLES, SPRINKLERS ETC. REINSTALL EXISTING COMPONENTS OR PROVIDE NEW COMPONENTS AS INDICATED ON THE PLANS UPON REPLACEMENT OF CEILINGS OR ROOM LAYOUT MODIFICATIONS.
- CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTDOWNS WITH THE OWNER PRIOR TO ANY INSTALLATION. PROVIDE ISOLATION VALVES AS NECESSARY.

PLUMBING ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- BT BRINE TANK
- BV BALANCING VALVE
- CONT CONTINUATION
- CW C/W
- DN DOWN
- DWG DRAWING
- ELEV ELEVATION
- FBG FROM BELOW GRADE
- FFA FROM FLOOR ABOVE
- FFB FROM FLOOR BELOW
- FUT FUTURE
- G NATURAL GAS
- GPM GALLONS PER MINUTE
- HW HOT WATER
- HWR HOT WATER RETURN
- IE INVERT ELEVATION
- LAVATORY LAVATORY KITCHEN WASTE
- LKX WASTE
- W WASTE
- MAX MAXIMUM
- MIN MINIMUM
- OSBY OUTSIDE SCREW & YOKE
- PHE PLATE HEAT EXCHANGER
- STORM STORM
- SQFT SQUARE FEET
- TBS TO BELOW GRADE
- TFA TO FLOOR ABOVE
- TFB TO FLOOR BELOW
- TEMPERATURE SENSOR TEMPERATURE SENSOR
- TYP TYPICAL
- V VENT
- VTR VENT THROUGH ROOF
- W WASTE

PLUMBING SYMBOLS

- DCW (S)--- DOMESTIC SOFTENED COLD WATER
- DCW (R)--- DOMESTIC RAW COLD WATER
- DHW--- DOMESTIC HOT WATER
- HW-140--- DOMESTIC HOT WATER (140)
- DHR--- HOT WATER RETURN
- SAN SANITARY ABOVE GROUND
- SAN SANITARY BELOW GROUND
- ST STORM ABOVE GROUND
- ST STORM BELOW GROUND
- V ABOVE GROUND VENT
- V BELOW GROUND VENT
- BALL VALVE
- CALIBRATED BALANCING VALVE
- CHECK VALVE
- SINGLE LINE - PIPE DROP
- SINGLE LINE - PIPE RISE
- SINGLE LINE - PIPE RISE TEE
- SINGLE LINE - PIPE DROP TEE
- TWO LINE - PIPE DROP
- TWO LINE - PIPE RISE

SYMBOLS

- AxB RECTANGULAR DUCT DIMENSION
- A/B FLAT-OVAL DUCT DIMENSION
- AØ ROUND DUCT DIMENSION
- RECTANGULAR SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN
- RECTANGULAR RETURN AIR DUCT - UP OR DOWN
- RECTANGULAR EXHAUST AIR DUCT - UP OR DOWN
- ROUND SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN
- ROUND RETURN AIR DUCT - UP OR DOWN
- ROUND EXHAUST AIR DUCT - UP OR DOWN
- EXHAUST GRILLE (SQUARE)
- VOLUME DAMPER
- CONNECT TO EXISTING
- EQUIPMENT TYPE (SEE ABBREVIATIONS) SCHEDULE #
- THERMOSTAT
- KEYNOTE
- CARBON MONOXIDE SENSOR
- NITROGEN DIOXIDE SENSOR
- FIRE PROTECTION WET

MECHANICAL ABBREVIATIONS:

- AMPS AMPERES
- ADJ. ADJUSTABLE
- AIR PRESSURE DROP
- ABOVE FINISHED FLOOR
- CUBIC FEET PER MINUTE
- DUCT STATIC PRESSURE
- EXHAUST AIR
- ENTERING AIR TEMPERATURE
- ENTERING DRY BULB
- EXHAUST FAN
- EFFICIENCY
- ELECTRICAL
- EXTERNAL STATIC PRESSURE
- ENTERING WET BULB
- ELECTRIC WATER COOLER
- FIRE DAMPER
- FEET PER MINUTE
- FROM FLOOR ABOVE
- FROM FLOOR BELOW
- FEET
- GENERAL CONTRACTOR
- HORSE POWER
- IDENTIFICATION
- INTAKE HOOD
- 1000 BRITISH THERMAL UNITS PER HOUR
- IN INCH
- LOUVER
- LAT LEAVING AIR TEMPERATURE
- LDB LEAVING DRY BULB
- LBS LEAVING WET BULB
- MAX MAXIMUM
- MIN MINIMUM
- NO NUMBER
- OUTSIDE AIR
- PHASE
- POLYDIPS PER SQUARE INCH
- RELIEF AIR FAN
- RELIEF AIR HOOD
- ROOM
- SMOKE EXHAUST
- SMOKE DAMPER
- TFA TO FLOOR ABOVE
- TFB TO FLOOR BELOW
- TSP TOTAL STATIC PRESSURE
- VARIABLE AIR VOLUME BOX
- VOLTAGE
- VFD VARIABLE FREQUENCY DRIVE
- W.C. WATER COLUMN
- W.P. WATER PRESSURE DROP

MECHANICAL GENERAL NOTES:

- ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH INDIANA MECHANICAL CODE, LATEST APPLICABLE EDITION, THE AUTHORITY HAVING JURISDICTION AND AS SPECIFIED (WHICHEVER IS MORE STRINGENT).
- IF NON-DESIGN BASE EQUIPMENT IS SELECTED, THIS CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS FOR MODIFICATION TO THE PROPOSED BUILDING SYSTEM CAUSED BY SELECTION OF THE NON-DESIGN BASE EQUIPMENT INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS. IF DIMENSIONS CANNOT BE ACCURATELY DETERMINED, REQUEST THE INFORMATION FROM THE ARCHITECT/ENGINEER.
- KEY NOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT EXCEPT AS SPECIFICALLY NOTED.
- CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED, WHETHER INDICATED ON THE PLANS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL/CEILING ASSEMBLY.
- DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AS NECESSARY AND COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.
- DUCTWORK:
 - A. ALL LISTED DUCTWORK DIMENSIONS ARE CLEAR AIR FLOW DIMENSIONS.
 - B. ALL DUCTS IN FINISHED ROOMS AND SPACES SHALL BE CONCEALED IN CHASES OR ABOVE THE CEILINGS, UNLESS OTHERWISE NOTED.
 - C. FIELD VERIFY LOCATION OF BEAMS, GENERAL STRUCTURE, LIGHTING, PIPING, ETC. BEFORE FABRICATION AND INSTALLATION OF DUCTWORK. COORDINATE ELEVATIONS, OFFSETS, AND TRANSITIONS AS REQUIRED.
 - D. MAXIMUM LENGTH OF FLEX DUCT SHALL BE 6'-0". FLEX DUCT SHALL NOT BE USED WHERE DUCTWORK IS EXPOSED. THE LAST ELBOW BEFORE CONNECTION TO AN AIR DEVICE SHALL BE A HARD DUCT.
 - E. VOLUME DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS.
 - F. THE ELBOWS FOR DUCTWORK SHALL HAVE TURNING VANES UNLESS NOTED OTHERWISE.
 - G. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR AIR DEVICE LOCATIONS.
 - H. ALL AIR DEVICES IN CMU WALLS SHALL MATCH BLOCK COURSING.
 - I. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED WALLS, FLOORS AND SMOKE BARRIERS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS, SMOKE DAMPERS IN ALL DUCTS PENETRATING SAID WALLS/FLOOR, WHETHER INDICATED ON THE MECHANICAL PLANS OR NOT.
- ALL HANGER SYSTEMS FOR PIPING, DIFFUSERS, GRILLES, DUCTWORK AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM.
- COORDINATE ALL WORK WITH EXISTING WORK TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.
- CONNECTION TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATION.
- ALL HVAC CONTROL WIRING SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR UNLESS OTHERWISE NOTED. EXPOSED CONTROL WIRING SHALL BE IN CONDUIT. TEMPERATURE CONTROL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND LOCATING ANY 24V TRANSFORMERS REQUIRED FOR CONTROL COMPONENTS. COORDINATE WITH DIV. 26 CONTRACTOR FOR POWER WIRING.
- REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED PATCHING, SAW CUTTING OF WALLS, FLOORS, CEILING ETC. AS NEEDED FOR INSTALLATION OF NEW EQUIPMENT, PIPING, DUCTWORK ETC. PATCH AS NEEDED TO MATCH ADJACENT CONDITIONS.
- FOR ANY 24V EQUIPMENT OR ACCESSORY NEEDING POWER, DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POWER UPSTREAM OF THE TRANSFORMER. DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR 24V POWER DOWNSTREAM OF TRANSFORMER.
- FOR EQUIPMENT NOT BEING DEMOLISHED OR TO REMAIN AS EXISTING, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POSSIBLE MEANS AND METHODS REQUIRED FOR TEMPORARY SUPPORTS AND REINSTALLS.
- NUMEROUS PENETRATIONS ARE REQUIRED THROUGH EXISTING MULTI-WYTHE LOAD BEARING MASONRY WALLS.
 - A. PROVIDE LINTEL AT PENETRATION CONSISTING OF (1) 1 1/2x3 1/2x3/8" FOR EACH 4" THICKNESS OF MASONRY WALL AT ALL PENETRATIONS GREATER THAN 12" IN WIDTH.
 - B. GROUPS OF PENETRATIONS SHALL BE TREATED AS ONE PENETRATION WHERE PENETRATIONS ARE PLACED CLOSER THAN 12" IN PLAN.
 - C. ALL LINTELS SHALL HAVE A MINIMUM OF 8" BEARING AT EACH END ON SOLID MASONRY.
 - D. AFTER DETAIL ANY PENETRATION AS DESCRIBED ABOVE EXCEED 4'-0". CONTACT ENGINEER FOR DIRECTION.
 - E. IN NO CASE SHALL PENETRATIONS BE PLACED DIRECTLY BELOW ANY BEAM OR LINTEL BEARING.
 - F. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED FOR ALL SHORING REQUIRED FOR PENETRATIONS.
- ALL DDC CONTROLS SHALL BE BACKNET IP INCLUDING BUT NOT LIMITED TO UNITARY CONTROLS. PROVIDE CONTROLS TO ALLOW FOR DAISY CHAIN CONNECTION.

FIRE PROTECTION GENERAL NOTES:

- THE BUILDING EXISTING SPRINKLER SYSTEM SHALL BE EXTENDED TO COVER NEW ADDITION AS NOTED ON THE DRAWINGS.
- THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED. DESIGN DENSITIES AND SPRINKLER HEAD COVERAGE SHALL BE PROVIDED AS PER NFPA-13 STANDARDS BASED ON OCCUPANCY AND FIRE HAZARD TYPES.
- HYDRAULIC CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE NFPA-13 STANDARD.
- ALL PIPING SHALL BE CONCEALED IN AREAS WITH FINISHED CEILINGS.
- ALL FLOW TEST DRAINS SHALL BE PIPED TO A SUITABLE DRAIN THAT DISCHARGES TO THE EXTERIOR OF THE BUILDING OR AS INDICATED ON THE DRAWINGS.
- AUXILIARY DRAINS SHALL BE PROVIDED, WHERE REQUIRED, FOR SYSTEM DRAINAGE.
- COORDINATE FIRE SPRINKLER WORK WITH ARCHITECTURAL (REFLECTED CEILING PLAN), ELECTRICAL (LIGHTING), HVAC (DUCTWORK AND PIPING), AND PLUMBING, BEFORE COMMENCING WORK.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR COSTS, PERMIT FEES AND EQUIPMENT REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL SPRINKLER SYSTEM, AS INDICATED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL PREPARE AND SUBMIT SPRINKLER PLANS AND PRODUCT DATA SHEETS THAT CONTAIN SUFFICIENT DETAIL FOR THE AUTHORITIES HAVING JURISDICTION TO EVALUATE THE HAZARD AND EFFECTIVENESS OF THE SPRINKLER SYSTEM.
- INSTALLATION OF THE FIRE SUPPRESSION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, THE STATE OF INDIANA FIRE CODE, AND OTHER LOCAL FIRE CODE AUTHORITY HAVING JURISDICTION.
- HYDRAULIC CALCULATIONS AND SHOP DRAWINGS SUBMITTALS SHALL BE SIGNED AND STAMPED BY A QUALIFIED FIRE PROTECTION PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA.
- ANY CONFLICTS WHICH OCCUR DUE TO LACK OF COORDINATION OF THE SPRINKLER CONTRACTOR WITH OTHER DIVISIONS SHALL BE CORRECTED BY THE SPRINKLER CONTRACTOR WITH NO FURTHER EXPENSE TO OWNER.
- SPRINKLER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE NFPA-13 AND BY THE AUTHORITY HAVING JURISDICTION BEFORE COMMISSIONING THE SPRINKLER SYSTEMS.
- REFER TO ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS.
- ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO DRAIN BACK TO ALARM VALVES OR DRAIN STATIONS.
- PIPE ROUTINGS ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ARCHITECTURAL DRAWINGS FOR UNDERSTANDING OF CEILING CONDITIONS AND WHERE PIPING IS ROUTED TO REMAIN CONCEALED IN OCCUPIED AREAS.
- ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO NOT BE ROUTED OVER ELECTRICAL EQUIPMENT.

LOUVER SCHEDULE											
TAG	MANUFACTURER	MODEL	DESIGNATION	NOMINAL DIMENSIONS (IN)			FREE AREA (SF)	AIRFLOW (CFM)	VELOCITY (FFM)	WEIGHT (LBS)	NOTES
				WIDTH	HEIGHT	DEPTH					
L 1	GREENHECK	ESD-635-24x16	INTAKE	24	16	6	0.9	860	933	10	1
L 2	GREENHECK	ESD-635-24x16	EXHAUST	24	16	6	0.9	500	546	9	1

- NOTES:
1. COORDINATE LOUVER COLOR WITH ARCHITECTURE.

ELECTRIC UNIT HEATER SCHEDULE											
TAG	MANUFACTURER	MODEL	CAPACITY (MBH)	ELECTRICAL DATA			FAN MOTOR DATA			NOTES	
				VOLTAGE	PHASE	KW	FLA	CFM	RPM		HP
EUH 1	QMARK	MUH-07-8	25.6	208	3	7.5	20.8	650	1600	1/30	1.2
EUH 2	QMARK	MUH-07-8	25.6	208	3	7.5	20.8	650	1600	1/30	1.2

- NOTES:
1. PROVIDE STARTER/DISCONNECT.
2. MOUNTING HEIGHT TO BE 8' A.F.F.

EXHAUST FAN SCHEDULE											
TAG	MANUFACTURER	MODEL	DRIVE TYPE	AIRFLOW (CFM)	EXTERNAL SP (IN WG)	MOTOR (HP)	MOTOR (RPM)	ELECTRICAL DATA			NOTES
								VOLTAGE	PHASE	FLA	
EF 1	GREENHECK	G-130-VG	DIRECT	860	25	813	1/4	115	1	3.8	1,2,3

- NOTES:
1. PROVIDE STARTER/DISCONNECT.
2. FAN TO TURN ON WHENEVER CO CONCENTRATION EXCEEDS 25 PPM (ADJ.) AND NO2 CONCENTRATION EXCEEDS 1 PPM (ADJ.). FAN SHALL TURN OFF WHENEVER CO CONCENTRATION FALLS BELOW 20 PPM (ADJ.) AND 7 PPM (ADJ.) RESPECTIVELY. PROVIDE MOTOR RATED TOGGLE SWITCH (WITH THERMAL OVERLOAD, OVERLOAD RESET, AND RED "ENERGIZED" LED PILOT LIGHT) TO TURN ON THE FAN. ALARM SHALL BE PROVIDED IF USER TURNS OFF THE MANUAL SWITCH AND FAN REMAINS OFF FOR MORE THAN 15 MINS (ADJ.). LOCATE SWITCH IN SALLY PORT.
3. PROVIDE GFCI RECEPTICAL WITH WEATHERPROOF COVER.

PLUMBING FIXTURE SCHEDULE								
TAG	FIXTURE	DESCRIPTION	BASIS OF DESIGN	SAN/WASTE	VENT	COLD WATER	HOT WATER	REMARKS
S-1	HAND SINK	● BOWL - ONE (1) 38-1/2"x29-13/16"x43-3/4" 16 GA ONE COMPARTMENT SINK W/ 18" RIGHT DRAIN BOARD AND STAINLESS-STEEL LEGS. CENTER HOLE DRAIN ● FAUCET - CHROME PLATE BRASS, 8" CENTERSET WALL MOUNT 44" FLEXIBLE NOSE WITH 1.2 GPM SPRAY HEAD. 2" LEVEL HANDLES, 8" ARC TUBE SPOUT ● DRAIN AND TRAP - LOOSE KEY ANGLE STOP, 3/8" IPS, CHROME PLATED INLET, 3/8" O.D FLEXIBLE RISER, AND WALL ESCUTCHEON. PROVIDE CAST BRASS T-RAP, SINK DRAIN, AND FITTINGS.	● BOWL - ELKAY MODEL 14-1C18X24-R-18X ● FAUCET - ELKAY MODEL LK943AF08LC ● DRAIN - ELKAY MODEL LK18B ● TRAP - ELKAY	2"	1 1/4"	1/2"	1/2"	-

WATER HAMMER ARRESTOR SCHEDULE			
TYPE	FIXTURE UNIT RATING	I.P.S.	MODEL
WHA-A	1-11	3/4"	5005

