



ADDENDUM

Project: **Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition**

Project No.: **3221**

Date: **August 17, 2023**

Addendum Number: **#004**

Each Bidder's proposal amount shall include the work described herein.

This Addendum is hereby made a part of the Contract Documents. Unless otherwise indicated, the work described herein shall comply with, and be equal in all respects to the original Specification and Drawings accompanying same. Include incidental work required to properly complete the work, whether stated herein or not.

ARCHITECTURAL DRAWING REVISIONS

TTL – Title Page

ADD: A3.53 Building Sections – Alternate #1

A2.10 – Composite Floor Plan

ADD: Structural column at canopy to align with structural drawings

DELETE: Plastic laminate reception desk gate.

REVISE: Existing Breakroom 111 door swing.

REVISE: Storage 127 to Closet 127.

REVISE: Portal doors at Existing Multi-Purpose 149.

REVISE: Portal doors at Corridor C 142.

A2.11 – Floor Plan (Area A)

ADD: Note 29 – “Patch and repair walls at removed frame.”

ADD: Note tags to drawing sheet A2.11

ADD: Drawing Note 30 as indicated.

DELETE: Plastic laminate reception desk gate.

REVISE: Existing Breakroom 111 door swing.

REVISE: Storage 127 to Closet 127.

REVISE: Portal doors at Corridor C 142.

REVISE: Door tag 106a to 106.

A2.12 – Floor Plan (Area B)

REVISE: Portal doors at Existing Multi-Purpose 149.

REVISE: Portal doors at Corridor C 142.

A2.13 – Dimension Plan (Area A)

DELETE: Plastic laminate reception desk gate.

REVISE: Existing Breakroom 111 door swing.

REVISE: Portal doors at Corridor C 142.

A2.14 – Dimension Plan (Area B)

REVISE: Portal doors at Existing Multi-Purpose 149.

REVISE: Portal doors at Corridor C 142.

A2.61 – Door Schedule

ADD: General Storefront Notes GS1, GS2, GS3, GS4, GS5, GS6, & GS7 as indicated.

A3.00 – Exterior Elevations

ADD: Structural column at canopy to align with structural drawings.

ADD: Drawing Note 25 as indicated.

ADD: Note tags as indicated to drawings sheet A3.00.

A5.02 – Interior Elevations

CHANGE: Note 37

FROM: Plastic laminate entry gate with self-closing continuous hinge and self-latching hardware. Refer to materials schedule.

TO: Not used.

DELETE: 8/A5.02 Plastic laminate reception desk gate.

DELETE: 10/A5.02 Plastic laminate reception desk gate.

A6.10 – Reflected Ceiling Plan

REVISE: A6.10 Graphically change the reflected ceiling plan to align with electrical drawings.

REVISE: Storage 127 to Closet 127.

A9.00 – Exterior Wall Sections

CHANGE: 2/A9.00

FROM: Graphically shown fixed window.

TO: Graphically shown operable window.

REVISE: A9.00 Graphically change the lintels to align with structural drawings.

A9.10 – Exterior Details

REVISE: 3/A9.10 Graphically change the window sill profile.

REVISE: 4/A9.10 Graphically change the window head profile.

REVISE: A9.10 Graphically change the lintels to align with structural drawings.

A9.11 – Exterior Details

REVISE: A9.11 Graphically change the lintels to align with structural drawings.

A9.12 – Exterior Details

REVISE: A9.12 Graphically change the lintels to align with structural drawings.

ADD: Drawing Note 33 as indicated.

ADD: Note tags as indicated to drawings sheet A9.12.

A9.60 – Interior Details

REVISE: A9.60 Graphically change the lintels to align with structural drawings.

A9.65 – Interior Details

REVISE: A9.65 Graphically change the lintels to align with structural drawings.

CHANGE: Note 9

FROM: 5" x 5" brick angle to support existing to remain brick above portal wall.

TO: Structural support for existing brick - Refer to structural drawings.

A9.66 – Interior Details

- REVISE:** A9.66 Graphically change the lintels to align with structural drawings.
- CHANGE:** Note 9
- FROM:** 5" x 5" brick angle to support existing to remain brick above portal wall.
- TO:** Structural support for existing brick - Refer to structural drawings.

TECHNOLOGY DRAWING REVISIONST2.11 – Structured Cabling System Floor Plan (Part A)

- ADD:** Existing Mechanical 138: Add two (2) category 6 data cables.
- ADD:** Add Key Note 4 to Structured Cabling Notes.
- ADD:** Reception 145: Add one (1) category 6 data cable.
- ADD:** Add Key Note 5 to Structured Cabling Notes.

T2.12 – Structured Cabling System Floor Plan (Part B)

- ADD:** Workroom 152: Add one (1) category 6 data cable.

SPECIFICATION REVISIONSSection 00 0115 List of Drawings

- ADD:** A3.53 Building Sections – Alternate #1

Section 08 0671 Door Hardware Schedule

- ADD:** Section to project manual

Section 08 1113 Hollow Metal Doors and Frames

2.04 Hollow Metal Frames

- ADD:** E. Mullions for Pairs of Doors: Removeable type, with profile similar to jambs.

Section 08 7100 Door Hardware

Part 2 Products

- ADD:** Items highlighted within the specification section.

GENERALRFI Questions and Answers

- RFI Question 18: Will there be a hardware set schedule for this project? Please confirm.
- RFI Answer 18: Yes, please refer to attached Spec Section 08 0671 Door Hardware Schedule with this Addendum.
- RFI Question 19: Would you happen to know if this is S2 netbox or Lenel onguard?
- RFI Answer 19: NetBox
- RFI Question 20: Does the S2 system connect to the districts Netbox system?
- RFI Answer 20: It will connect to the district-wide system via a leased data circuit.



RFI Question 21: Do you have enough room to accommodate these portals for access control?

RFI Answer 21: No. This is a completely new system in a new building to the district. All equipment required to support the building shall be included with connection to the district-wide management system.

RFI Question 22: Are all door contacts going to be connected to the access control system or a separate intrusion system?

RFI Answer 22: All door contacts will be connected to the access control system with the ability to send alarms to the district personnel and to an alarm monitoring service provider.

RFI Question 23: I am not sure who to reach out to in regards to seeing if there is the possibility of an alternative option being approved. I reached out to Axiom but they stated I needed to put in a request. Cameras Alternate-Digital Watchdog. Access Control Alternate-Pro Data Key.

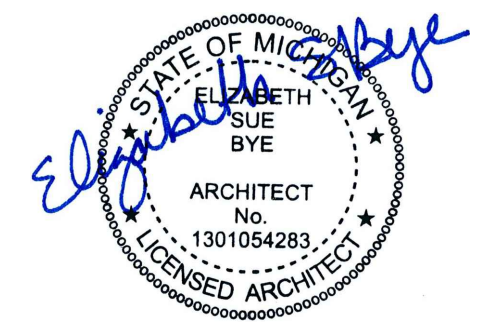
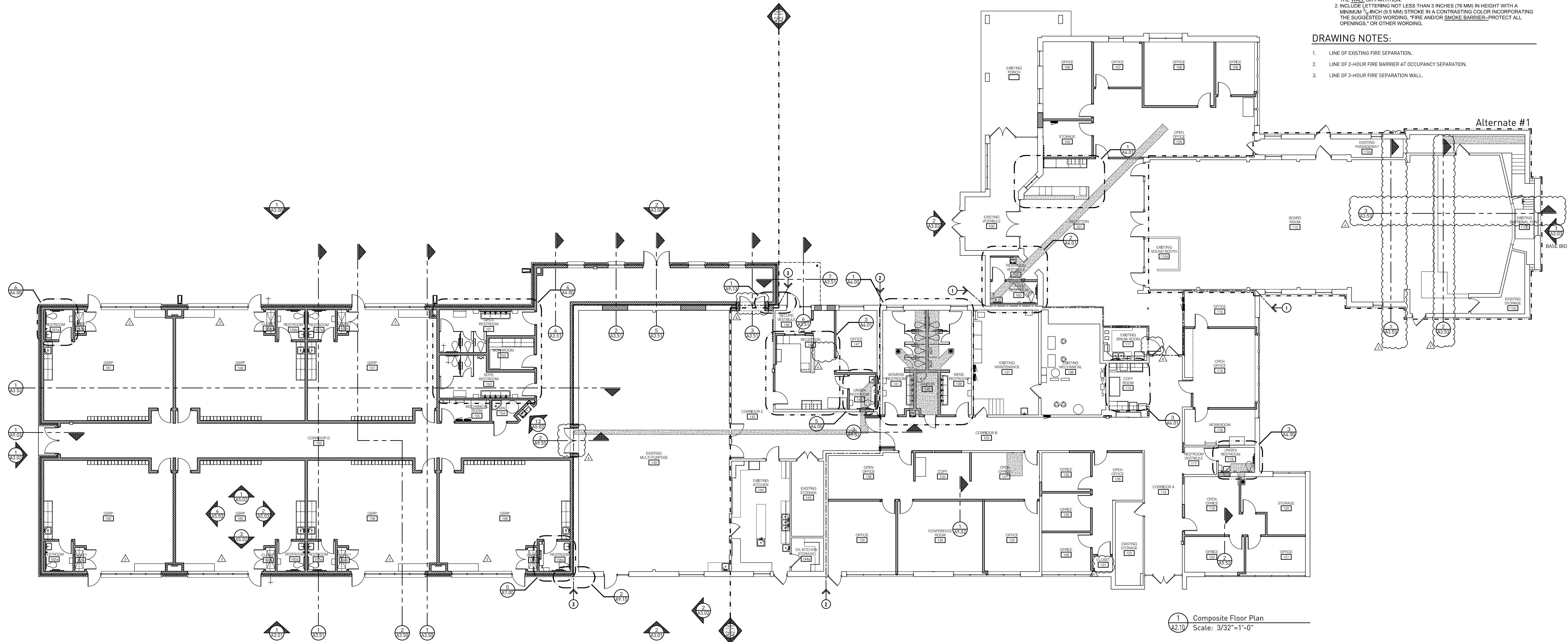
RFI Answer 23: Due to the existing investments and established district standards, no alternates are being considered for the cameras or access control.

GENERAL NOTES:

- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. COMPOSITE PLAN ISSUED FOR REFERENCE ONLY.
- G3. REFER TO SHEETS A2.11 AND A2.12 FOR FURTHER INFORMATION.
- G3. PER SECTION 703.7 MARKING AND IDENTIFICATION OF THE 2015 MICHIGAN BUILDING CODE, WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL:
 - 1. BE LOCATED WITHIN 15 FEET (4572 MM) OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET (9144 MM) MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
 - 2. INCLUDE LETTERING NOT LESS THAN 3 INCHES (76 MM) IN HEIGHT WITH A MINIMUM 1/8-INCH (3.175 MM) STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING: "FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS," OR OTHER WORDING.

DRAWING NOTES:

- 1. LINE OF EXISTING FIRE SEPARATION.
- 2. LINE OF 2-HOUR FIRE BARRIER AT OCCUPANCY SEPARATION.
- 3. LINE OF 2-HOUR FIRE SEPARATION WALL.



▲ Addendum #4: 17 August 2023
 ▲ Addendum #3: 16 August 2023
 Bidding and Permits: 31 July 2023

Composite Floor Plan

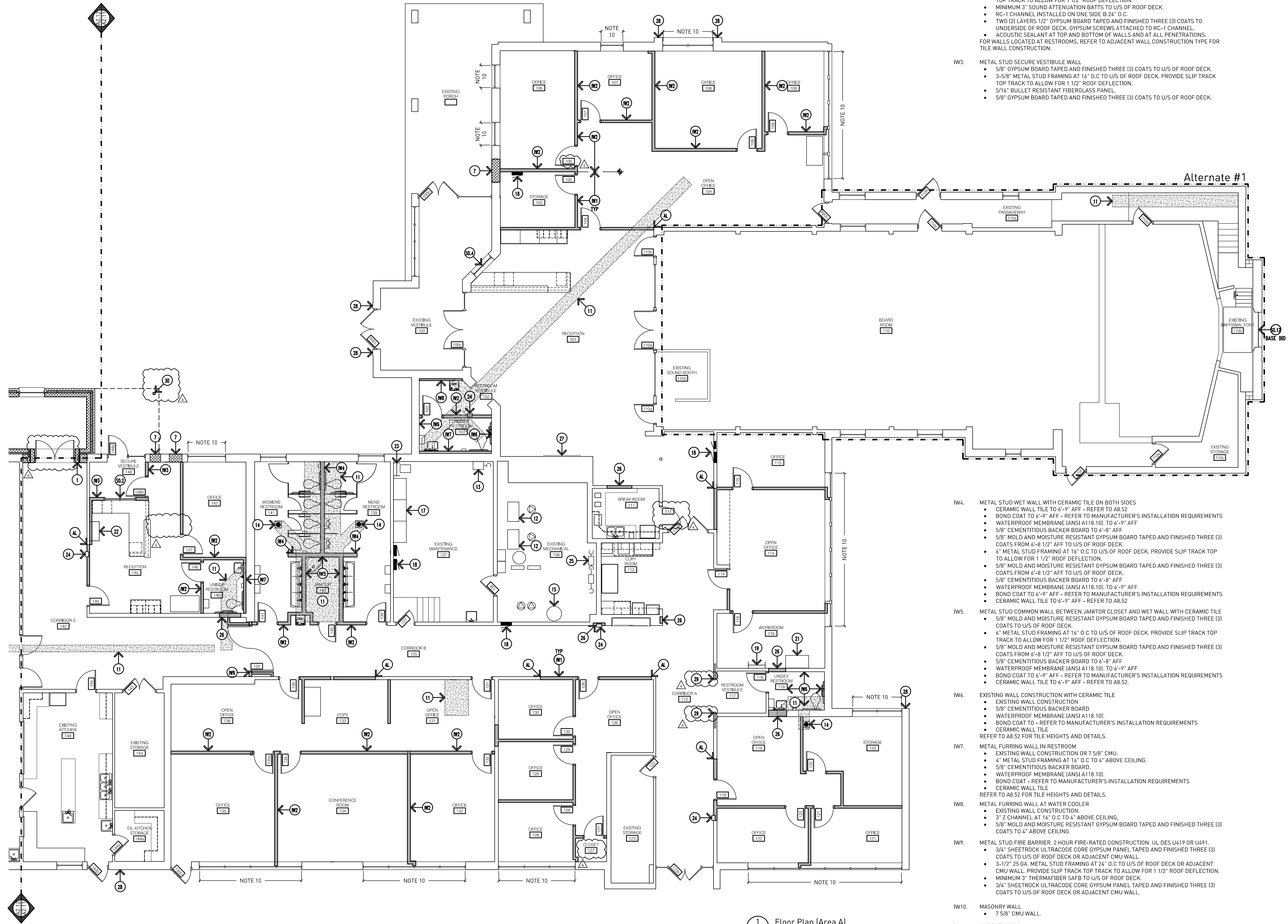


Crestwood School District
 Cherry Hill Baptist Church
 Administration Relocation and Addition

Project No. 3221

A2.10





1 Floor Plan (Area A)
Scale: 1/8"=1'-0"

INTERIOR WALL TAGS:

- IW1. TYPICAL METAL STUD WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTS TO U/S OF ROOF DECK.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
- IW2. METAL STUD SOUND ACOUSTIC WALL - TEST NUMBER RAL-TL-84-134
 - 1/2" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK. GYPSUM SCREWS ATTACHED TO STUDS.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTS TO U/S OF ROOF DECK.
 - RC-1 CHANNEL INSTALLED ON ONE SIDE @ 24" O.C.
 - TWO (2) LAYERS 1/2" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO UNDERSIDE OF ROOF DECK. GYPSUM SCREWS ATTACHED TO RC-1 CHANNEL.
 - ACOUSTIC SEALANT AT TOP AND BOTTOM OF WALLS AND AT ALL PENETRATIONS.
 - FOR WALLS LOCATED AT RESTROOMS, REFER TO ADJACENT WALL CONSTRUCTION TYPE FOR TILE WALL CONSTRUCTION.
- IW3. METAL STUD SECURE VESTIBULE WALL.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - 5/16" BULLET RESISTANT FIBERGLASS PANEL.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
- IW4. METAL STUD WET WALL WITH CERAMIC TILE ON BOTH SIDES
 - CERAMIC WALL TILE TO 6'-9" AFF - REFER TO A8.52
 - BOND COAT TO 6'-9" AFF - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - WATERPROOF MEMBRANE (ANSI A118.10). TO 6'-9" AFF
 - 5/8" CEMENTITIOUS BACKER BOARD TO 6'-8" AFF
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS FROM 6'-8 1/2" AFF TO U/S OF ROOF DECK.
 - 4" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS FROM 6'-8 1/2" AFF TO U/S OF ROOF DECK.
 - 5/8" CEMENTITIOUS BACKER BOARD TO 6'-8" AFF
 - WATERPROOF MEMBRANE (ANSI A118.10). TO 6'-9" AFF
 - BOND COAT TO 6'-9" AFF - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE TO 6'-9" AFF - REFER TO A8.52
- IW5. METAL STUD COMMON WALL BETWEEN JANITOR CLOSET AND WET WALL WITH CERAMIC TILE
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 4" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS FROM 6'-8 1/2" AFF TO U/S OF ROOF DECK.
 - 5/8" CEMENTITIOUS BACKER BOARD TO 6'-8" AFF
 - WATERPROOF MEMBRANE (ANSI A118.10). TO 6'-9" AFF
 - BOND COAT TO 6'-9" AFF - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE TO 6'-9" AFF - REFER TO A8.52
- IW6. EXISTING WALL CONSTRUCTION WITH CERAMIC TILE
 - EXISTING WALL CONSTRUCTION
 - 5/8" CEMENTITIOUS BACKER BOARD
 - WATERPROOF MEMBRANE (ANSI A118.10).
 - BOND COAT TO - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE
- IW7. METAL FURRING WALL IN RESTROOM
 - EXISTING WALL CONSTRUCTION OR 7 5/8" CMU.
 - 4" METAL STUD FRAMING AT 16" O.C TO 4" ABOVE CEILING.
 - 5/8" CEMENTITIOUS BACKER BOARD
 - WATERPROOF MEMBRANE (ANSI A118.10).
 - BOND COAT - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE
- IW8. METAL FURRING WALL AT WATER COOLER
 - EXISTING WALL CONSTRUCTION.
 - 3" Z CHANNEL AT 16" O.C TO 4" ABOVE CEILING.
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO 4" ABOVE CEILING.
- IW9. METAL STUD FIRE BARRIER. 2 HOUR FIRE-RATED CONSTRUCTION. UL DES U419 OR U501.
 - 3/4" SHEETROCK ULTRACODE CORE GYPSUM PANEL TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK OR ADJACENT CMU WALL.
 - 3-1/2" 25 GA. METAL STUD FRAMING AT 24" O.C TO U/S OF ROOF DECK OR ADJACENT CMU WALL. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" THERMAFIBER SAFB TO U/S OF ROOF DECK.
 - 3/4" SHEETROCK ULTRACODE CORE GYPSUM PANEL TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK OR ADJACENT CMU WALL.
- IW10. MASONRY WALL
 - 7 5/8" CMU WALL.
- IW11. MASONRY WALL
 - 5 5/8" CMU WALL.

GENERAL NOTES:

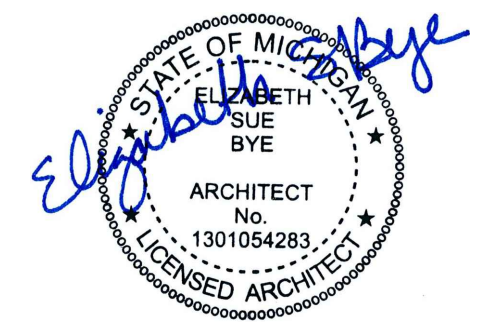
01. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
02. COORDINATE THE TIMING OF WORK TO AVOID CONFLICTS WITH NORMAL SCHOOL OPERATIONS AND ACTIVITIES.
03. CONTRACTOR TO KEEP ALL AREAS NOT AFFECTED BY CONSTRUCTION OPERATIONS OPEN, CLEAN, AND FREE FOR OWNER USE.
04. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS IN FIELD PRIOR TO WORK COMMENCEMENT. IF ANY DISCREPANCIES EXIST BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD CONDITIONS, NOTIFY THE ARCHITECT.
05. ALL MASONRY TO MATCH EXISTING COURSE EXACTLY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO WORK.
06. CONTRACTOR SHALL INSTALL HORIZONTAL JOINT REINFORCING @ 16" O.C VERTICALLY.
07. CONTRACTOR TO INSTALL ADJUSTABLE BRICK VENEER ANCHORS @ 16" O.C VERTICALLY AND HORIZONTALLY. FIELD VERIFY CAVITY SIZE TO PROVIDE CORRECT ANCHOR.
08. CONTRACTOR SHALL INSTALL A CONTINUOUS VAPOR BARRIER FROM FOUNDATION TO ROOFING. REFER TO SPECIFICATION FOR FURTHER INFORMATION.
09. ALL OUTSIDE CORNERS OF INTERIOR CMU MASONRY TO BE BULLNOSE.
10. ALL CORRIDOR WALLS TO BE CONSTRUCTED TO RESIST THE PASSAGE OF SMOKE.
11. FIRE STOP ANY PENETRATIONS THROUGH FIRE WALLS AND BARRIERS.
12. MASONRY CONTROL JOINTS SHOULD BE SPACED 25'-0" APART MAX. AND SHOULD NOT BE SPACED FURTHER THAN 1.5x THE WALL HEIGHT - REFER TO THE MASONRY INSTITUTE FOR FURTHER INFORMATION.
13. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING THE WORK.
13. ALL INTERIOR WALLS TO BE CONSTRUCTED TO UNDERSIDE OF ROOF DECK. PROVIDE COMPRESSIVE FIRE SAFE MATERIAL (FIRE-RATED TO MEET CODE, AS REQUIRED) AT TOP OF WALL TO ALLOW FOR MINIMUM 1" ROOF DEFLECTION.
14. PROVIDE NON-COM WOOD BLOCKING AS REQUIRED TO INSTALL MISC. ACCESSORIES, IFPP'S, MARKER BOARDS ETC WHETHER INDICATED OR NOT. VERIFY ALL LOCATIONS WITH OWNER AT A PRE-CONSTRUCTION MEETING.
15. CONTRACTOR TO COORDINATE CONDUIT RUNS AND TERMINATIONS ASSOCIATED WITH LOW-VOLTAGE COMMUNICATIONS, FIRE ALARM, SECURITY, ETC. AT A PRE-CONSTRUCTION MEETING.
16. ALL WALLS TO BE PAINTED UNLESS NOTED OTHERWISE.
17. PATCH AND REPAIR ALL EXPOSED SURFACES, WHETHER NOTED OR NOT, AT REMOVED ITEMS, REMOVED EQUIPMENT, REMOVED WALLS, CONSTRUCTION DAMAGE, ETC.

DRAWING NOTES:

1. PORTAL WALL SYSTEM PROVIDE MINIMUM 1" GAP AT ALL SIDES.
2. UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS.
3. PLASTIC LAMINATE CUBBIES. REFER TO INTERIOR ELEVATIONS AND SPECIFICATIONS.
4. VISUAL DISPLAY BOARD. REFER TO SPECIFICATIONS.
5. INTERACTIVE FLAT PANEL. FURNISHED AND INSTALLED BY TECHNOLOGY VENDOR.
6. WALL MOUNTED ROOF LADDER.
7. INFILL EXISTING EXTERIOR WALL OPENING. TOOTH IN EXTERIOR MASONRY AS REQUIRED TO MATCH ADJACENT WALL EXACTLY. PROVIDE INTERIOR FINISH TO MATCH EXISTING.
8. INSTALL TWO FIXED AND PAINTED SHELVES IN CLOSET, 63"-6" AND 5'-0" AFF.
9. SINGLE ROLLER WINDOW SHADE, ROOM DARKENING. REFER TO MATERIAL SCHEDULE AND SPECIFICATIONS.
10. SINGLE ROLLER WINDOW SHADE, 5% OPEN - REFER TO MATERIAL SCHEDULE AND SPECIFICATIONS.
11. TRENCH INFILL. MIN 4" THICK CONCRETE FLOOR SLAB ON 15 MIL VAPOR BARRIER. TOP OF NEW CONCRETE TO BE FLUSH WITH EXISTING ADJACENT SLAB EXACTLY.
12. BOILER - REFER TO MECHANICAL.
13. WATER METER - REFER TO MECHANICAL.
14. FLOOR DRAIN - REFER TO MECHANICAL.
15. HOT WATER TANK - REFER TO MECHANICAL.
16. LOCKABLE HOSE BIB - REFER TO MECHANICAL.
17. MSB - REFER TO ELECTRICAL.
18. ELECTRICAL PANEL - REFER TO ELECTRICAL.
19. TMBD - REFER TO ELECTRICAL AND TECHNOLOGY.
20. TGB - REFER TO ELECTRICAL AND TECHNOLOGY.
21. DATA RACK - REFER TO TECHNOLOGY.
22. FIRE ALARM PANEL - REFER TO ELECTRICAL.
23. GROUNDING BAR - REFER TO ELECTRICAL.
24. SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER.
25. EXISTING GAS METER.
26. INFILL INTERIOR WALL OPENING AS REQUIRED TO PROVIDE FLUSH APPEARANCE.
27. FIREPLACE DESIGN INTENT. PATCH AND REPAIR SURFACES AFTER REMOVAL OF MARBLE SURROUND AND BRASS INSERT. PAINT SURROUND AND FIREBOX FOR FINISHED APPEARANCE.
28. CLEAN, PATCH AND REPAIR Limestone/BRICK AT REMOVED OR REPLACED EXTERIOR LIGHT FIXTURES.
29. PATCH AND REPAIR WALLS AT REMOVED FRAME.
30. PAINTED STRUCTURAL COLUMN AT CANOPY - REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.

EXTERIOR WALL TAGS:

- EW1.
 - 7 5/8" CMU MASONRY (PAINT ALL SURFACES EXPOSED TO VIEW).
 - 3" SPRAY FOAM BUILDING INSULATION OVER CONTINUOUS VAPOR BARRIER.
 - 1 1/4" SPACER.
 - 3 5/8" BRICK VENEER WITH ADJACENT BRICK TIES @ 16" O.C VERTICALLY AND HORIZONTALLY (PROVIDE LENGTH AS REQUIRED DUE TO WALL CAVITY SIZE).

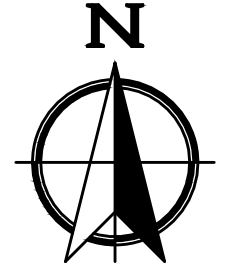


Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Floor Plan (Area A)

EHRESMAN ARCHITECTS
ehresmanarchitects.com

Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition



INTERIOR WALL TAGS:

- IW1. METAL FURRING WALL IN RESTROOM
 - EXISTING WALL CONSTRUCTION OR 7 5/8" CMU.
 - 4" METAL STUD FRAMING AT 16" O.C. TO 4" ABOVE CEILING.
 - 5/8" CEMENTITIOUS BACKER BOARD.
 - WATERPROOF MEMBRANE (ANSI A118.10).
 - BOND COAT - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE
- IW2. METAL FURRING WALL AT WATER COOLER
 - EXISTING WALL CONSTRUCTION
 - 3" Z CHANNEL AT 16" O.C. TO 4" ABOVE CEILING.
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO 4" ABOVE CEILING.
- IW3. METAL STUD FIRE BARRIER, 2 HOUR FIRE-RATED CONSTRUCTION. UL DES U419 OR U491.
 - 3/4" SHEETROCK ULTRACODE CORE GYPSUM PANEL TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK OR ADJACENT CMU WALL.
 - 3-1/2" 25 GA. METAL STUD FRAMING AT 24" O.C. TO U/S OF ROOF DECK OR ADJACENT CMU WALL. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" THERMAFIBER SAFB TO U/S OF ROOF DECK.
 - 3/4" SHEETROCK ULTRACODE CORE GYPSUM PANEL TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK OR ADJACENT CMU WALL.
- IW10. MASONRY WALL
 - 7 5/8" CMU WALL.
- IW11. MASONRY WALL
 - 5 5/8" CMU WALL.
- IW1. TYPICAL METAL STUD WALL CONSTRUCTION UNLESS NOTED OTHERWISE
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C. TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTIS TO U/S OF ROOF DECK.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
- IW2. METAL STUD SOUND ACOUSTIC WALL - TEST NUMBER RAL-TL-84-136
 - 1/2" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK. GYPSUM SCREWS ATTACHED TO STUDS.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C. TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTIS TO U/S OF ROOF DECK.
 - RC-1 CHANNEL INSTALLED ON ONE SIDE @ 24" O.C.
 - TWO (2) LAYERS 1/2" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO UNDERSIDE OF ROOF DECK. GYPSUM SCREWS ATTACHED TO RC-1 CHANNEL.
 - ACOUSTIC SEALANT AT TOP AND BOTTOM OF WALLS AND AT ALL PENETRATIONS.
- IW3. METAL STUD SECURE VESTIBULE WALL
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C. TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTIS TO U/S OF ROOF DECK.
 - 5/16" BULLET RESISTANT FIBERGLASS PANEL.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
- IW4. METAL STUD WET WALL WITH CERAMIC TILE ON BOTH SIDES
 - CERAMIC WALL TILE TO 6'-9" AFF - REFER TO A8.52
 - BOND COAT TO 6'-9" AFF - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - WATERPROOF MEMBRANE (ANSI A118.10) TO 6'-9" AFF
 - 5/8" CEMENTITIOUS BACKER BOARD TO 6'-8" AFF
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS FROM 6'-8 1/2" AFF TO U/S OF ROOF DECK.
 - 6" METAL STUD FRAMING AT 16" O.C. TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS FROM 6'-8 1/2" AFF TO U/S OF ROOF DECK.
 - WATERPROOF MEMBRANE (ANSI A118.10) TO 6'-9" AFF
 - BOND COAT TO 6'-9" AFF - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE TO 6'-9" AFF - REFER TO A8.52
- IW5. METAL STUD COMMON WALL BETWEEN JANITOR CLOSET AND WET WALL WITH CERAMIC TILE
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 6" METAL STUD FRAMING AT 16" O.C. TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS FROM 6'-8 1/2" AFF TO U/S OF ROOF DECK.
 - 5/8" CEMENTITIOUS BACKER BOARD TO 6'-8" AFF
 - WATERPROOF MEMBRANE (ANSI A118.10) TO 6'-9" AFF
 - BOND COAT TO 6'-9" AFF - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE TO 6'-9" AFF - REFER TO A8.52
- IW6. EXISTING WALL CONSTRUCTION WITH CERAMIC TILE
 - EXISTING WALL CONSTRUCTION
 - 5/8" CEMENTITIOUS BACKER BOARD
 - WATERPROOF MEMBRANE (ANSI A118.10)
 - BOND COAT TO - REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS
 - CERAMIC WALL TILE

GENERAL NOTES:

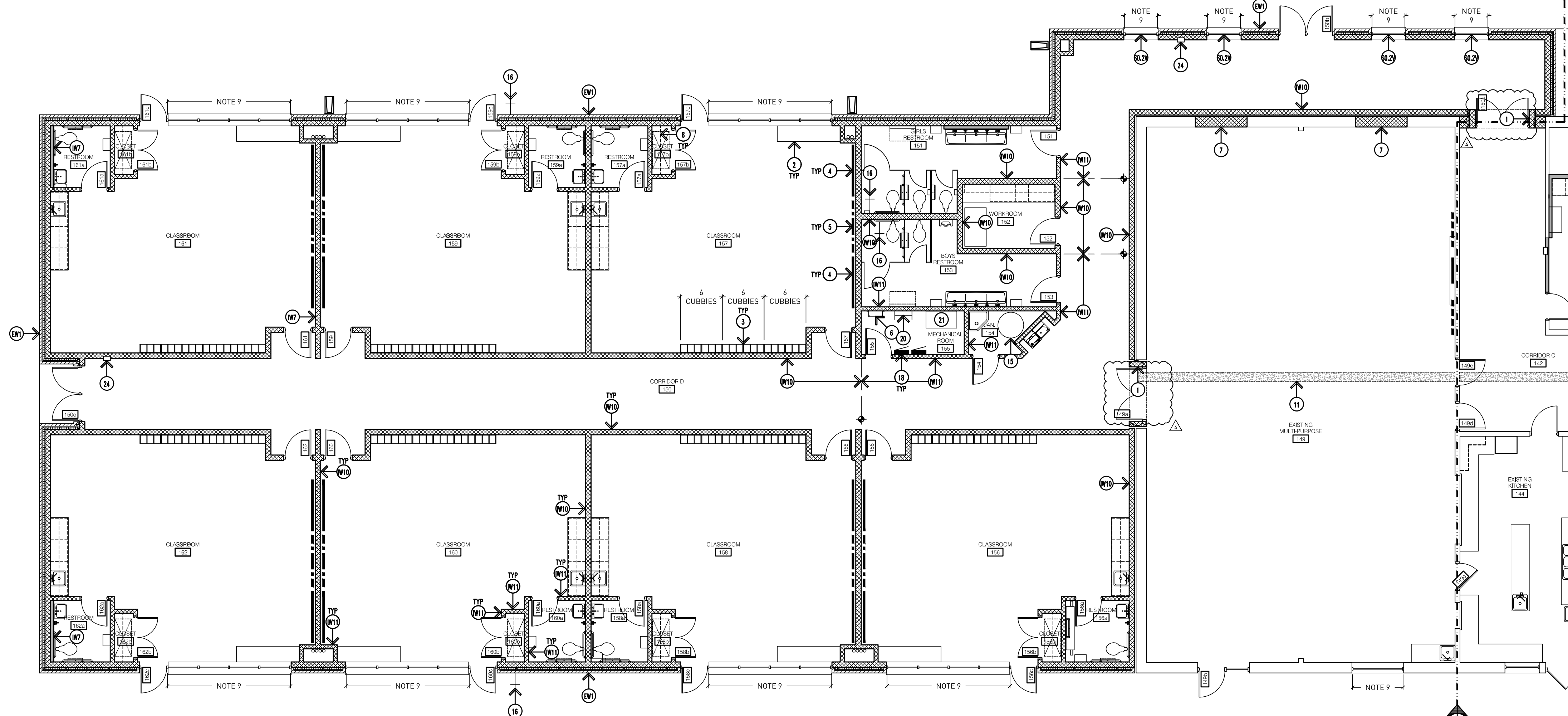
- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. COORDINATE THE TIMING OF WORK TO AVOID CONFLICTS WITH NORMAL SCHOOL OPERATIONS AND ACTIVITIES.
- G3. CONTRACTOR TO KEEP ALL AREAS NOT AFFECTED BY CONSTRUCTION OPERATIONS OPEN, CLEAN, AND FREE FOR OWNER USE.
- G4. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS IN FIELD PRIOR TO WORK COMMENCEMENT. IF ANY DISCREPANCIES EXIST BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD CONDITIONS, NOTIFY THE ARCHITECT.
- G5. ALL MASONRY TO MATCH EXISTING COURSE EXACTLY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO WORK.
- G6. CONTRACTOR SHALL INSTALL HORIZONTAL JOINT REINFORCING @ 16" O.C. VERTICALLY.
- G7. CONTRACTOR TO INSTALL ADJUSTABLE BRICK VENEER ANCHORS @ 16" O.C. VERTICALLY AND HORIZONTALLY. FIELD VERIFY CAVITY SIZE TO PROVIDE CORRECT ANCHOR.
- G8. CONTRACTOR SHALL INSTALL A CONTINUOUS VAPOR BARRIER FROM FOUNDATION TO ROOFING. REFER TO SPECIFICATION FOR FURTHER INFORMATION.
- G9. ALL OUTSIDE CORNERS OF INTERIOR CMU MASONRY TO BE BULLNOSE.
- G10. ALL CORRIDOR WALLS TO BE CONSTRUCTED TO RESIST THE PASSAGE OF SMOKE.
- G11. FIRE STOP ANY PENETRATIONS THROUGH FIRE WALLS AND BARRIERS.
- G12. MASONRY CONTROL JOINTS SHOULD BE SPACED 25'-0" APART MAX. AND SHOULD NOT BE SPACED FURTHER THAN 15x THE WALL HEIGHT - REFER TO THE MASONRY INSTITUTE FOR FURTHER INFORMATION.
- G13. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING THE WORK.
- G13. ALL INTERIOR WALLS TO BE CONSTRUCTED TO UNDERSIDE OF ROOF DECK. PROVIDE COMPRESSIVE FIRE SAFE MATERIAL (FIRE-RATED TO MEET CODE, AS REQUIRED) AT TOP OF WALL TO ALLOW FOR MINIMUM 1" ROOF DEFLECTION.
- G14. PROVIDE NON-COM WOOD BLOCKING AS REQUIRED TO INSTALL MISC. ACCESSORIES, IFP'S, MARKER BOARDS ETC WHETHER INDICATED OR NOT. VERIFY ALL LOCATIONS WITH OWNER AT A PRE-CONSTRUCTION MEETING.
- G15. CONTRACTOR TO COORDINATE CONDUIT RUNS AND TERMINATIONS ASSOCIATED WITH LOW-VOLTAGE COMMUNICATIONS, FIRE ALARM, SECURITY, ETC. AT A PRE-CONSTRUCTION MEETING.
- G16. ALL WALLS TO BE PAINTED UNLESS NOTED OTHERWISE.
- G17. PATCH AND REPAIR ALL EXPOSED SURFACES, WHETHER NOTED OR NOT, AT REMOVED ITEMS, REMOVED EQUIPMENT, REMOVED WALLS, CONSTRUCTION DAMAGE, ETC.

DRAWING NOTES:

1. PORTAL WALL SYSTEM PROVIDE MINIMUM 1" GAP AT ALL SIDES.
2. UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS.
3. PLASTIC LAMINATE CUBBIES. REFER TO INTERIOR ELEVATIONS AND SPECIFICATIONS.
4. VISUAL DISPLAY BOARD. REFER TO SPECIFICATIONS.
5. INTERACTIVE FLAT PANEL. FURNISHED AND INSTALLED BY TECHNOLOGY VENDOR.
6. WALL MOUNTED ROOF LADDER.
7. INFILL EXISTING EXTERIOR WALL OPENING. TOOTH IN EXTERIOR MASONRY AS REQUIRED TO MATCH ADJACENT WALL EXACTLY. PROVIDE INTERIOR FINISH TO MATCH EXISTING.
8. INSTALL TWO FIXED AND PAINTED SHELVES IN CLOSET, 63"-6" AND 5'-0" AFF.
9. SINGLE ROLLER WINDOW SHADE, ROOM DARKENING. REFER TO MATERIAL SCHEDULE AND SPECIFICATIONS.
10. SINGLE ROLLER WINDOW SHADE, 5% OPEN - REFER TO MATERIAL SCHEDULE AND SPECIFICATIONS.
11. TRENCH INFILL, MIN 4" THICK CONCRETE FLOOR SLAB ON 15 MIL VAPOR BARRIER. TOP OF NEW CONCRETE TO BE FLUSH WITH EXISTING ADJACENT SLAB EXACTLY.
12. BOILER - REFER TO MECHANICAL.
13. WATER METER - REFER TO MECHANICAL.
14. FLOOR DRAIN - REFER TO MECHANICAL.
15. HOT WATER TANK - REFER TO MECHANICAL.
16. LOCKABLE HOSE BIB - REFER TO MECHANICAL.
17. MSB - REFER TO ELECTRICAL.
18. ELECTRICAL PANEL - REFER TO ELECTRICAL.
19. TMBD - REFER TO ELECTRICAL AND TECHNOLOGY.
20. TGB - REFER TO ELECTRICAL AND TECHNOLOGY.
21. DATA RACK - REFER TO TECHNOLOGY.
22. FIRE ALARM PANEL - REFER TO ELECTRICAL.
23. GROUNDING BAR - REFER TO ELECTRICAL.
24. SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER.
25. EXISTING GAS METER.
26. INFILL INTERIOR WALL OPENING AS REQUIRED TO PROVIDE FLUSH APPEARANCE.
27. FIREPLACE DESIGN INTENT. PATCH AND REPAIR SURFACES AFTER REMOVAL OF MARBLE SURROUND AND BRASS INSERT. PAINT SURROUND AND FIREBOX FOR FINISHED APPEARANCE.
28. CLEAN, PATCH AND REPAIR LIMESTONE/BRICK AT REMOVED OR REPLACED EXTERIOR LIGHT FIXTURES.
29. PATCH AND REPAIR WALLS AT REMOVED FRAME.

EXTERIOR WALL TAGS:

- EW1.
 - 7 5/8" CMU MASONRY (PAINT ALL SURFACES EXPOSED TO VIEW).
 - 3" SPRAY FOAM BUILDING INSULATION OVER CONTINUOUS VAPOR BARRIER.
 - 1 1/4" SPACE.
 - 3 5/8" BRICK VENEER WITH ADJACENT BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY (PROVIDE LENGTH AS REQUIRED DUE TO WALL CAVITY SIZE).



1 Floor Plan (Area B)
Scale: 1/8"=1'-0"



Addendum #4: 17 August 2023
Addendum #3: 16 August 2023
Bidding and Permits: 31 July 2023

Floor Plan (Area B)



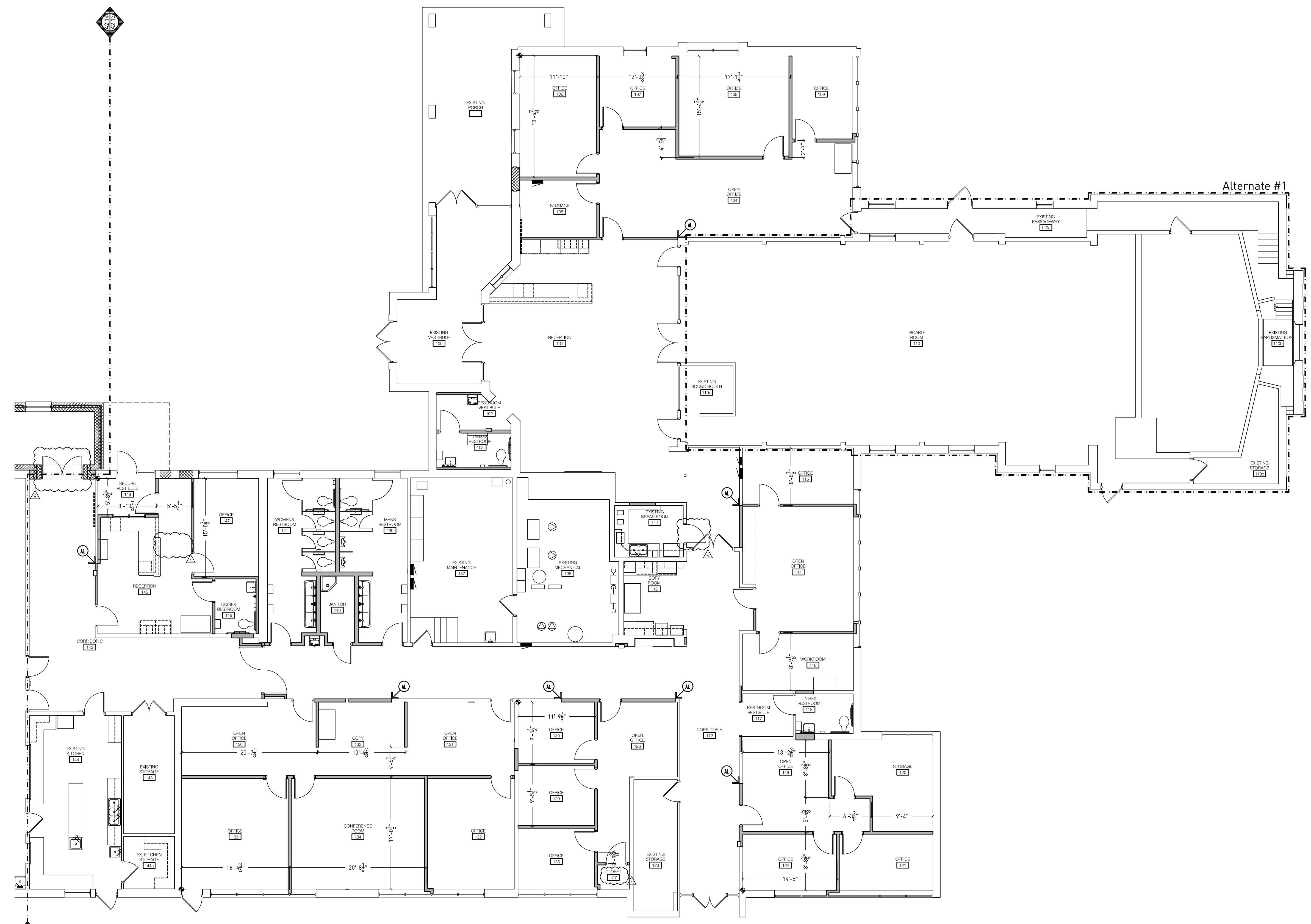
Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

A2.12



- GENERAL NOTES:**
- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
 - G2. ALL EXTERIOR WALLS ARE 1'-3 1/2" UNLESS DIMENSIONED OTHERWISE.
 - G3. ALL DOORS ARE LOCATED 4" TO HINGE SIDE FROM ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
 - G4. ALL MASONRY DIMENSIONS ARE TO FACE OF WALL.
 - G5. ALL STUD FRAMING DIMENSIONS ARE TO THE CENTER OF WALL.



1 Dimension Plan (Area A)
 A2.13 Scale: 1/8"=1'-0"



Addendum #4: 17 August 2023
 Bidding and Permits: 31 July 2023

Dimension Plan (Area A)

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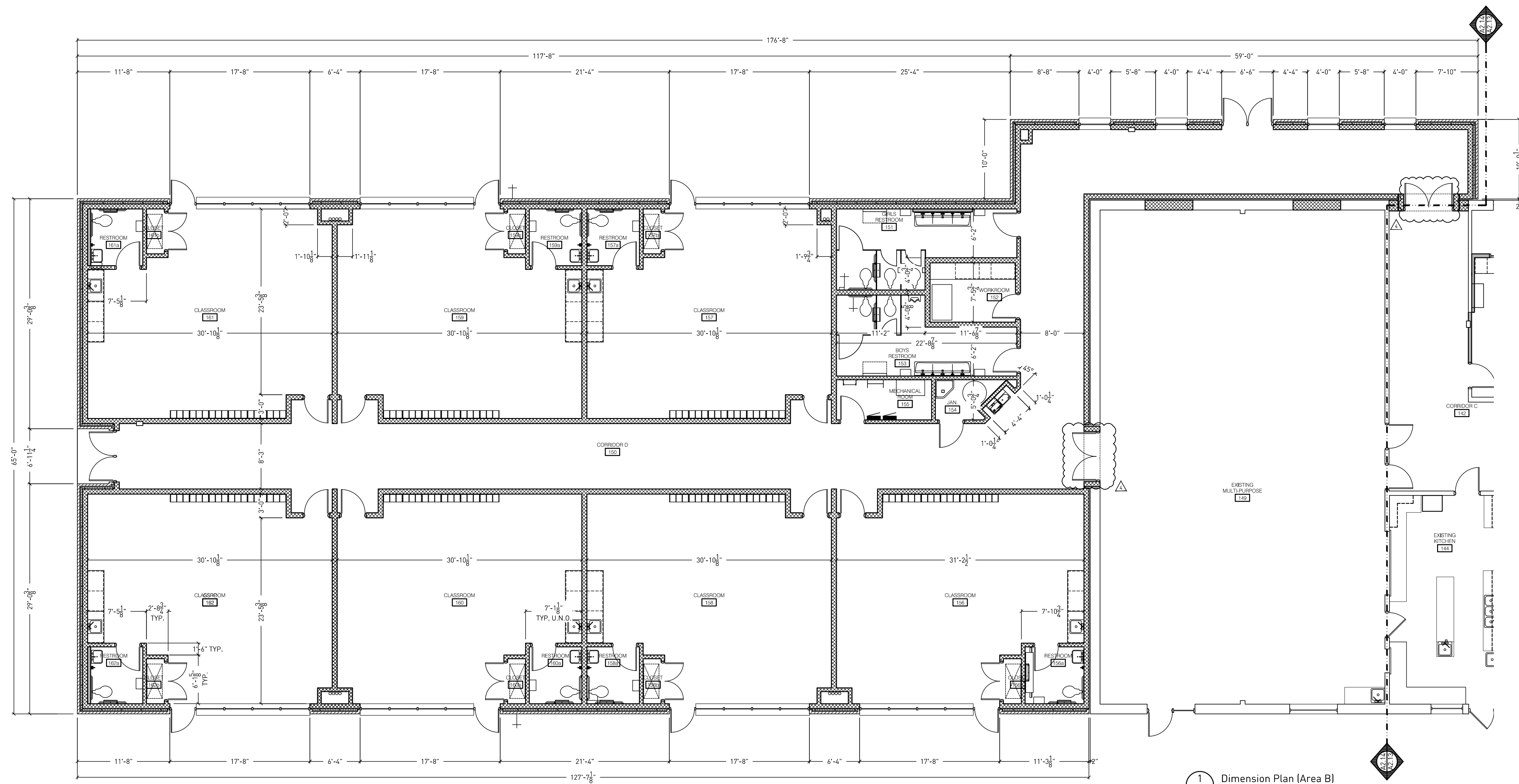
Project No. 3221

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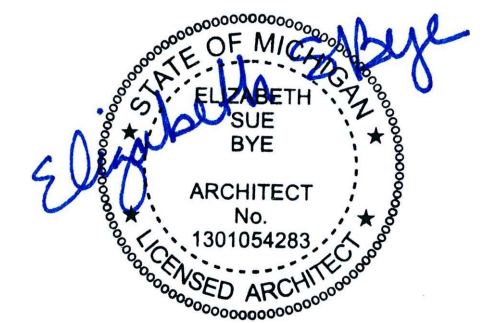


GENERAL NOTES:

- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. ALL EXTERIOR WALLS ARE 1'-3 1/2" UNLESS DIMENSIONED OTHERWISE.
- G3. ALL DOORS ARE LOCATED 4" TO HINGE SIDE FROM ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
- G4. ALL MASONRY DIMENSIONS ARE TO FACE OF WALL.
- G5. ALL STUD FRAMING DIMENSIONS ARE TO THE CENTER OF WALL.



1 Dimension Plan (Area B)
Scale: 1/8"=1'-0"



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Dimension Plan (Area B)

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A2.14



LOCK FUNCTION NOTES:

- CLASSROOM: SIMILAR TO SCHLAGE L9050 WITH VISUAL SECURITY INDICATOR AND ADA THUMBTURN, INDICATOR TO SAY "LOCKED/UNLOCKED, OR VON DUPRIN EXIT DEVICE WITH SECURITY INDICATOR AND ADA THUMBTURN.
CLASSROOM 2: SIMILAR TO SCHLAGE L9070.
EXIT: EXIT DEVICE WITH LEVER TRIM
OFFICE: SIMILAR TO SCHLAGE L9056.
PRIVACY: SIMILAR TO SCHLAGE L9444.
RESTROOM: SIMILAR TO SCHLAGE L443 DEADBOLT (DOOR CAN BE UNLOCKED FROM INSIDE, BUT NOT LOCKED).
SECURE: SIMILAR TO SCHLAGE L960 STOREROOM/CLASSROOM, STOREROOM FUNCTION ON RECEPTION SIDE, CLASSROOM FUNCTION ON CORRIDOR/OFFICE SIDE.
STOREROOM: SIMILAR TO SCHLAGE L980.

GENERAL HARDWARE NOTES:

- GH1. LOCK FUNCTIONS INDICATED ARE APPROXIMATE. FINAL LOCK FUNCTION, ETC. TO BE DETERMINED AT SPECIAL MEETING WITH OWNER AND HARDWARE SUPPLIER SPECIFICALLY INTENDED FOR THAT PURPOSE- REFER TO SPECIFICATIONS.
GH2. REFER TO SPECIFICATIONS FOR HARDWARE SET DESCRIPTIONS.
GH3. REFER TO SPECIFICATIONS FOR FINISH DESIGNATIONS.
GH4. RE-KEY EXISTING HARDWARE TO ALIGN WITH NEW KEYING SYSTEM.

HARDWARE NOTES

- H1. PROVIDE MAGNETIC HOLD - OPEN AT FIRE DOOR.
H2. THUMBTURN FOR VISUAL INDICATOR ORIENTATION TO BE VERTICAL (UP/DOWN) FOR UNLOCKED, HORIZONTAL (LEFT/RIGHT) FOR LOCKED.
H3. PROVIDE 180 DEGREE OPEN.
H4. ADA PUSH BUTTON OPERATOR.
H5. CARD READER.
H6. REMOTE RELEASE.
H7. HM REMOVABLE MULLION.

GENERAL DOOR FRAME NOTES:

- DFN1. PROVIDE PERIMETER SEALANT, (INTERIOR AND EXTERIOR SIDES)

DOOR FRAME NOTES

- DF1. PROVIDE DOUBLE EGRESS FRAME.
DF2. PROVIDE 180 DEGREE OPEN.
DF3. PROVIDE SGG IN SIDELITES, INSTALLED PER MANUFACTURER'S REQUIREMENTS.

GENERAL DOOR NOTES:

- GD1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
GD2. COORDINATE DIMENSIONS WITH MANUFACTURER.
GD3. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
GD4. ALL CLASSROOM DOORS TO CORRIDOR ARE TO BE FIRE RATED UNLESS NOTED OTHERWISE. REFER TO DOOR SCHEDULE FOR RATING.

DOOR NOTES:

- D1. PROVIDE SGG IN DOOR, INSTALLED PER MANUFACTURER'S REQUIREMENTS.

LEGEND:

- FRP FIBERGLASS REINFORCED POLYMER
GL GLASS
HM HOLLOW METAL
IMP INSULATED METAL PANEL
PREFIN PREFINISHED
PT PAINT
SGG SCHOOL GUARD GLASS
TEMP TEMPERED
WD WOOD



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Table with columns: DOOR NO., OPENING LOCATION, FIRE RATING, HARDW. HEADING, LOCK FUNCTION, FRAME INFORMATION (HARDWARE REMARKS, OPENING WIDTH, OPENING HEIGHT, FRAME ELEV., JAMB DEPTH, FRAME MATER., FRAME FINISH, FRAME REMARKS), DOOR INFORMATION (DOOR SIZE, DOOR THICK., DOOR ELEV., DOOR MATER., DOOR FINISH), DOOR REMARKS.

Door Schedule



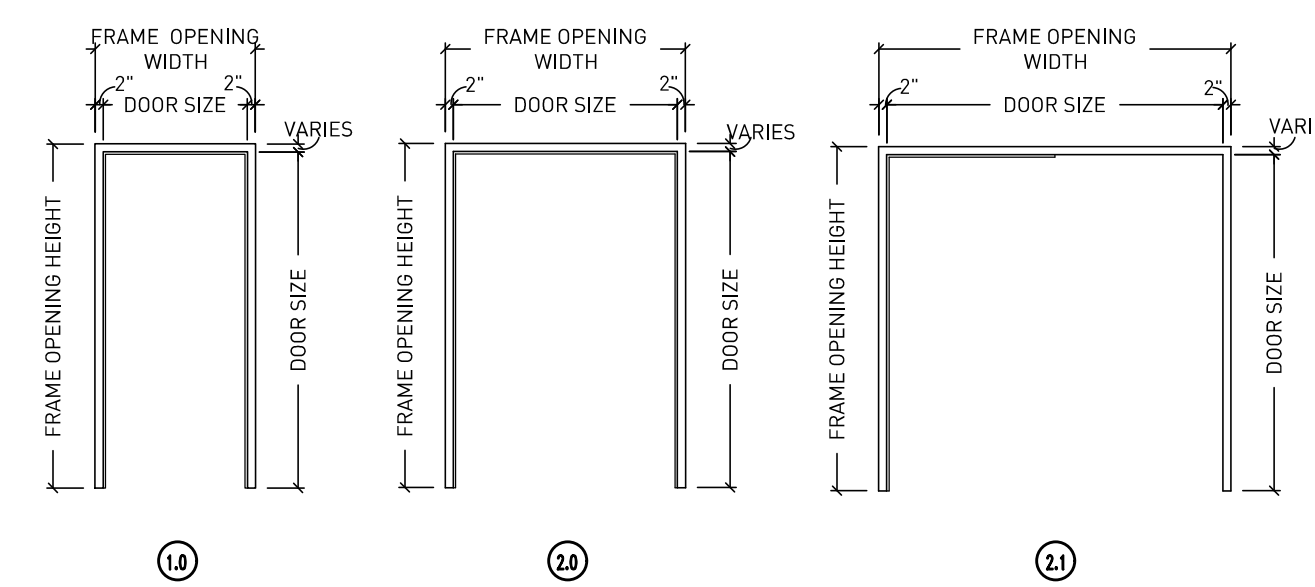
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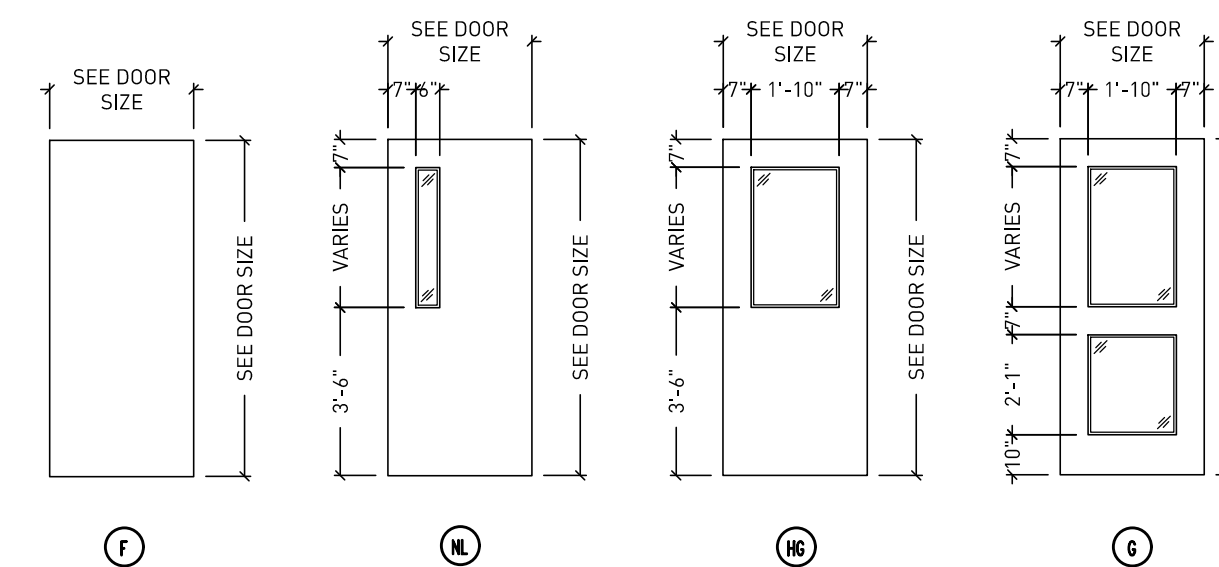
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DOOR SCHEDULE B. Table with columns: DOOR NO., OPENING LOCATION, FIRE RATING, HARDW. HEADW., LOCK FUNCTION, FRAME INFORMATION (HARDWARE REMARKS, OPENING WIDTH, OPENING HEIGHT, FRAME ELEV., JAMB DEPTH, FRAME MATER., FRAME FINISH), FRAME REMARKS, DOOR INFORMATION (DOOR SIZE, DOOR THICK., DOOR ELEV., DOOR MATER., DOOR FINISH), DOOR REMARKS.

HM FRAME ELEVATIONS:



DOOR ELEVATIONS:



LOCK FUNCTION NOTES:

CLASSROOM: SIMILAR TO SCHLAGE L9050 WITH VISUAL SECURITY INDICATOR AND ADA THUMBTURN... CLASSROOM 2: SIMILAR TO SCHLAGE L9070... OFFICE: SIMILAR TO SCHLAGE L9056... RESTROOM: SIMILAR TO SCHLAGE L643 DEADBOLT... CLASSROOM: SIMILAR TO SCHLAGE L9040... STOREROOM: SIMILAR TO SCHLAGE L9080...

GENERAL HARDWARE NOTES:

GHN1. LOCK FUNCTIONS INDICATED ARE APPROXIMATE... GHN2. REFER TO SPECIFICATIONS FOR HARDWARE SET DESCRIPTIONS... GHN3. REFER TO SPECIFICATIONS FOR FINISH DESIGNATIONS... GHN4. RE-KEY EXISTING HARDWARE TO ALIGN WITH NEW KEYING SYSTEM.

HARDWARE NOTES:

- H1. PROVIDE MAGNETIC HOLD - OPEN AT FIRE DOOR.
H2. THUMBTURN FOR VISUAL INDICATOR ORIENTATION TO BE VERTICAL (UP/DOWN) FOR UNLOCKED...
H3. PROVIDE 180 DEGREE OPEN.
H4. ADA PUSH BUTTON OPERATOR.
H5. CARD READER.
H6. REMOTE RELEASE.
H7. HM REMOVABLE MULLION.

GENERAL DOOR FRAME NOTES:

GDFN1. PROVIDE PERIMETER SEALANT, INTERIOR AND EXTERIOR SIDES

DOOR FRAME NOTES:

- DF1. PROVIDE DOUBLE EGRESS FRAME.
DF2. PROVIDE 180 DEGREE OPEN.
DF3. PROVIDE SGG IN SIDELITES, INSTALLED PER MANUFACTURER'S REQUIREMENTS.

GENERAL DOOR NOTES:

- GD1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
GD2. COORDINATE DIMENSIONS WITH MANUFACTURER.
GD3. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
GD4. ALL CLASSROOM DOORS TO CORRIDOR ARE TO BE FIRE RATED UNLESS NOTED OTHERWISE. REFER TO DOOR SCHEDULE FOR RATING.

DOOR NOTES:

DN1. PROVIDE SGG IN DOOR, INSTALLED PER MANUFACTURER'S REQUIREMENTS.

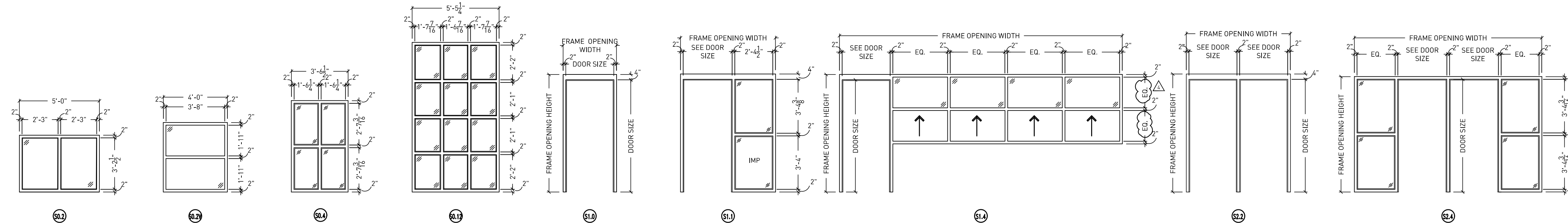
LEGEND:

- FRP: FIBERGLASS REINFORCED POLYMER
GL: GLASS
HM: HOLLOW METAL
IMP: INSULATED METAL PANEL
PREFIN: PREFINISHED
PT: PAINT
SG6: SCHOOL GUARD GLASS
TEMP: TEMPERED
WD: WOOD

GENERAL STOREFRONT NOTES:

- GS1. QUANTITIES AND DIMENSIONS ARE NOT GUARANTEED...
GS2. THIS DRAWING DEPICTS GENERAL CONDITIONS AND SIZES...
GS3. CONTRACTOR SHALL INCLUDE ALL NECESSARY ADJUSTMENTS...
GS4. TEMPERED GLASS ON EXTERIOR ON EXTERIOR LITE...
GS5. SCREENS REQUIRED AT ALL OPERABLE WINDOWS.
GS6. EXTERIOR PANNING COLOR TO MATCH WINDOW COLOR.
GS7. CONTRACTOR TO WEATHERPROOF AND SECURE ANY OPENINGS MADE TO THE EXTERIOR DURING CONSTRUCTION.

STOREFRONT ELEVATIONS:



1.a SHT Barrier Free Latch Side Approach Scale: 1/4"=1'-0"

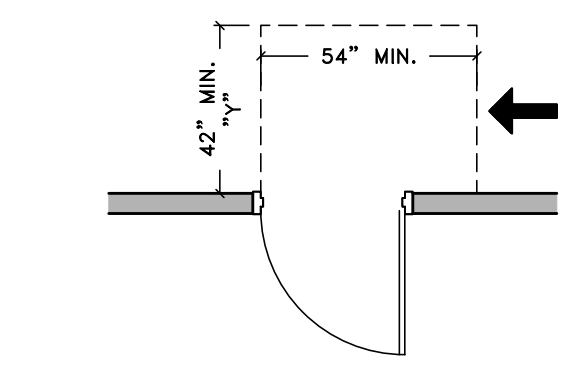
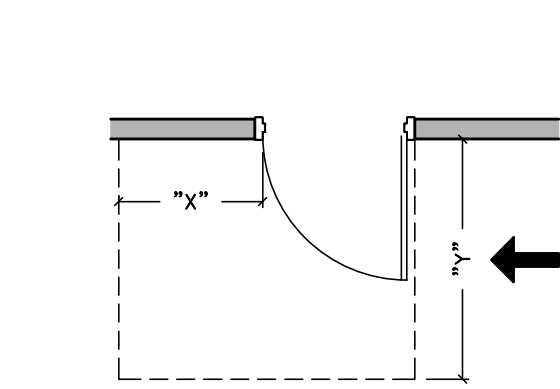
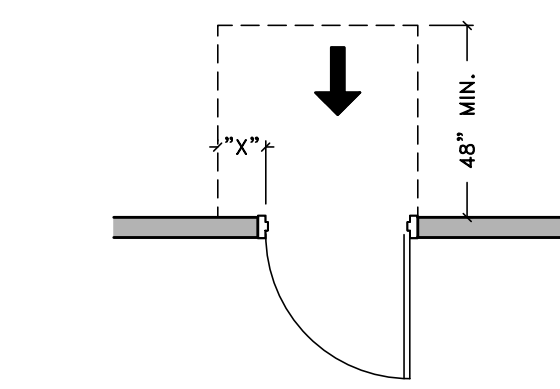
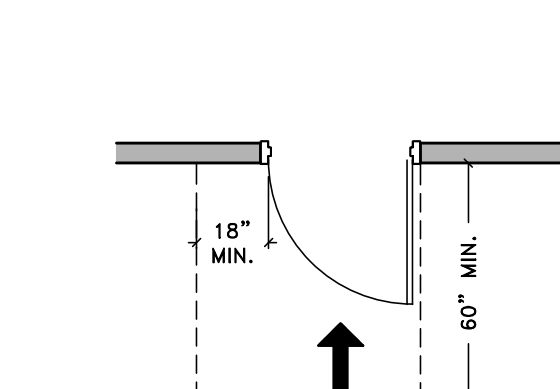
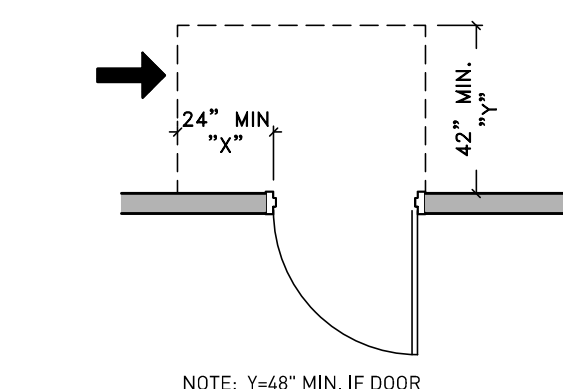
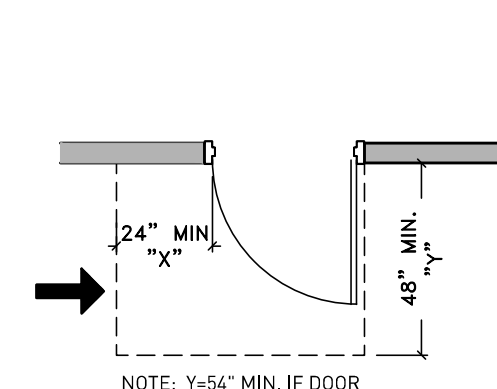
1.b SHT Barrier Free Latch Side Approach Scale: 1/4"=1'-0"

2.a SHT Barrier Free Front Approach Scale: 1/4"=1'-0"

2.b SHT Barrier Free Front Approach Scale: 1/4"=1'-0"

3.a SHT Barrier Free Hinge Side Approach Scale: 1/4"=1'-0"

3.b SHT Barrier Free Hinge Side Approach Scale: 1/4"=1'-0"



Addendum #4: 17 August 2023 Bidding and Permits: 31 July 2023

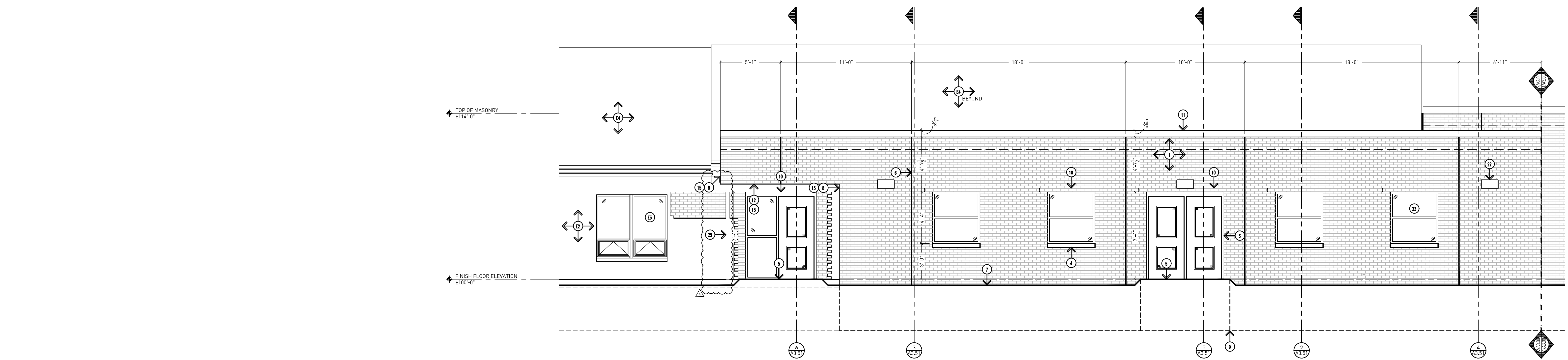
Door Schedule



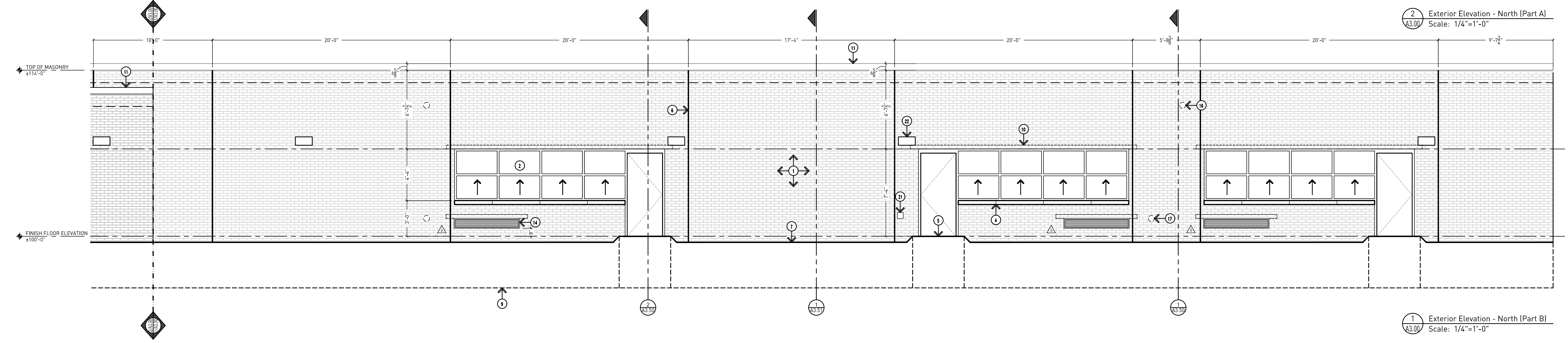
Crestwood School District Cherry Hill Baptist Church Administration Relocation and Addition

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A2.61



2 Exterior Elevation - North (Part A)
Scale: 1/4"=1'-0"



1 Exterior Elevation - North (Part B)
Scale: 1/4"=1'-0"

DRAWING NOTES CONTINUED:

15. BUILDING JOINT COVER - REFER TO DETAILS.
16. ROOF OVERFLOW PIPING THROUGH WALL WITH "COW TONGUE".
17. RAIN CONDUCTOR PIPING THROUGH WALL WITH "COW TONGUE" AND CONCRETE SPLASH BLOCK.
18. CLEAR ANODIZED INSULATED METAL PANEL WITH SMOOTH FINISH. - REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
19. FIXED INSULATED GLASS UNIT IN EXISTING FRAME. TYPE IG-1 - REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
20. FIXED INSULATED GLASS UNITS. TYPE IG-1 IN CLEAR ALUMINUM STOREFRONT FRAMING - REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
21. EXTERIOR WALL HYDRANT WITH LOCKING COVER - REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
22. WALL MOUNTED LED LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
23. FIXED INSULATED GLASS UNITS (TYPE IG-1) IN CLEAR ALUMINUM STOREFRONT FRAMING - REFER TO DOOR SCHEDULE AND SPECIFICATIONS.
24. FIXED INSULATED GLASS UNITS (TYPE IG-1), FRP DOOR AND INSULATED METAL PANEL IN CLEAR ALUMINUM STOREFRONT FRAMING - REFER TO DOOR SCHEDULE AND SPECIFICATIONS.
25. PAINTED STRUCTURAL COLUMN AT CANOPY - REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.

DRAWING NOTES:

1. 4" BRICK VENEER TO MATCH EXISTING, COLOR, TEXTURE, PATTERN, AND COURSINGS. INSTALL HEADER COURSE EVERY 4 ROWS OF BRICK - MATCH BOND COURSING EXACTLY. --COLOR TO BE BELDEN BRICK "EMPIRE GRAY".
2. VERTICAL LIFT INSULATED GLASS UNITS (TYPE IG-1 AND FRP DOOR) IN CLEAR ALUMINUM STOREFRONT FRAMING - REFER TO DOOR SCHEDULE AND SPECIFICATIONS.
3. DOOR, FRAME, HARDWARE, AND FINISH - REFER TO DOOR SCHEDULE AND SPECIFICATIONS FOR FURTHER INFORMATION.
4. LIMESTONE SILL.
5. FROST SLAB.
6. BRICK EXPANSION JOINT - PROVIDE JOINTS PER MIN. RECOMMENDATIONS, MAX 20 FT O.C. TYP. CORNER JOINTS TO BE 20 FT APART MAX WITH ONE OF THE JOINTS AT LEAST 4" AND NOT MORE THAN 10 FT FROM THE CORNER.
7. APPROXIMATE LINE OF GRADE.
8. CONTROL JOINT BETWEEN BUILDINGS.
9. LINE OF FOUNDATION - REFER TO STRUCTURAL DRAWINGS.
10. BRICK LINTEL - REFER TO STRUCTURAL DRAWINGS.
11. PREFINISHED METAL PARAPET CAP FLASHING WITH CONTINUOUS CLEATS ON BOTH SIDES.
12. CEMENT PLASTER SOFFIT.
13. STEEL LINTEL - PAINTED. REFER TO STRUCTURAL DRAWINGS AND WALL SECTIONS.
14. LOUVER, WITH MASONRY LINTEL OVER OPENING - REFER TO MECHANICAL FOR LOUVER SIZE.

GENERAL NOTES:

- G13. ALL FLEMBLE MEMBRANE FLASHING TO BE SECURED TO SUBSTRATE WITH STAINLESS STEEL TERMINATION BAR AND SEALANT INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- G14. PROVIDE STAINLESS STEEL DRIP WITH HEMMED EDGE ABOVE ALL WINDOW AND DOOR OPENINGS. DRIP TO STOP AT WINDOW/DOOR OPENING (DO NOT EXTEND BEYOND).
- G15. PROVIDE END DAMS AT ALL FLASHING ABOVE WINDOWS, DOORS, AND BELOW SILLS.
- G16. AT AREAS ADJACENT TO NEW BUILDING, INSTALL GRADE 6" BELOW FINISH FLOOR AND SLOPE AWAY FROM BUILDING TO MEET CODE REQUIREMENTS. MATCH ALL EXISTING SIDEWALK AND PARKING ELEVATIONS.
- G17. MATCH EXISTING COURSING EXACTLY - C.F.V.
- G18. MATCH EXISTING MORTAR COLOR EXACTLY - C.F.V.

EXISTING TO REMAIN:

- E1. DOOR, FRAME, AND HARDWARE.
- E2. BRICK VENEER.
- E3. PREFINISHED ALUMINUM WINDOW.
- E4. ASPHALT SHINGLE ROOF.
- E5. ATTIC VENT.
- E6. DOWNSPOUT.
- E7. LINE OF EXISTING BUILDING.

GENERAL NOTES:

- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. ALL NOTES MAY NOT APPLY TO THIS SHEET.
- G3. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING ON THE WORK.
- G4. PROTECT ALL ITEMS TO REMAIN FROM CONSTRUCTION OPERATIONS SO AS TO NOT CAUSE DAMAGE.
- G5. ALL AREAS DISTURBED OR DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE PATCHED, REPAIRED, AND FINISHED BACK TO EXISTING CONDITION.
- G6. PROVIDE CONTINUOUS VAPOR AND AIR BARRIER PRIOR TO INSTALLATION OF RIGID AND/OR SPRAY INSULATION. BARRIER SYSTEM SHALL BE CONTINUOUS AROUND THE BUILDING ENVELOPE AND INCLUDES ALL PROPER TECHNIQUES FOR PENETRATIONS, ETC.
- G7. PROVIDE BRICK EXPANSION JOINTS WITH SEALANT AND BACKER ROD PER MASONRY INSTITUTE RECOMMENDATIONS.
- G8. PROVIDE SEALANT AND FOAM BACKER ROD TO SUIT CONDITIONS AROUND ALL WINDOW AND DOOR OPENINGS/PERIMETER.
- G9. REFER TO STRUCTURAL DRAWINGS FOR ANY STEPPED FOOTING LOCATION, ETC.
- G10. CONTRACTOR TO COORDINATE ALL DIMENSIONS WITH APPLICABLE MANUFACTURERS.
- G11. PROVIDE WEEP VENTS AT 32" O.C. AT BOTTOM AND TOP OF WALLS COMPLETE WITH 3/8" x 1 1/2" PLASTIC WEEP VENT. PROVIDE MEMBRANE FLASHING AT ALL BASE OF WALL DRAINAGE LOCATIONS, MIN 6" ABOVE FINISH GRADE.
- G12. PROVIDE ADJUSTABLE BRICK ANCHORS AT 16" O.C. VERTICALLY AND HORIZONTALLY.



Addendum #4: 17 August 2023
Addendum #3: 16 August 2023
Bidding and Permits: 31 July 2023

Exterior Elevations

EHRESMAN ARCHITECTS
ehresmanarchitects.com

Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221 A3.00

GENERAL NOTES:

- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS, DIMENSIONS, ACCESS, ETC. PRIOR TO STARTING WORK.

EXISTING TO REMAIN:

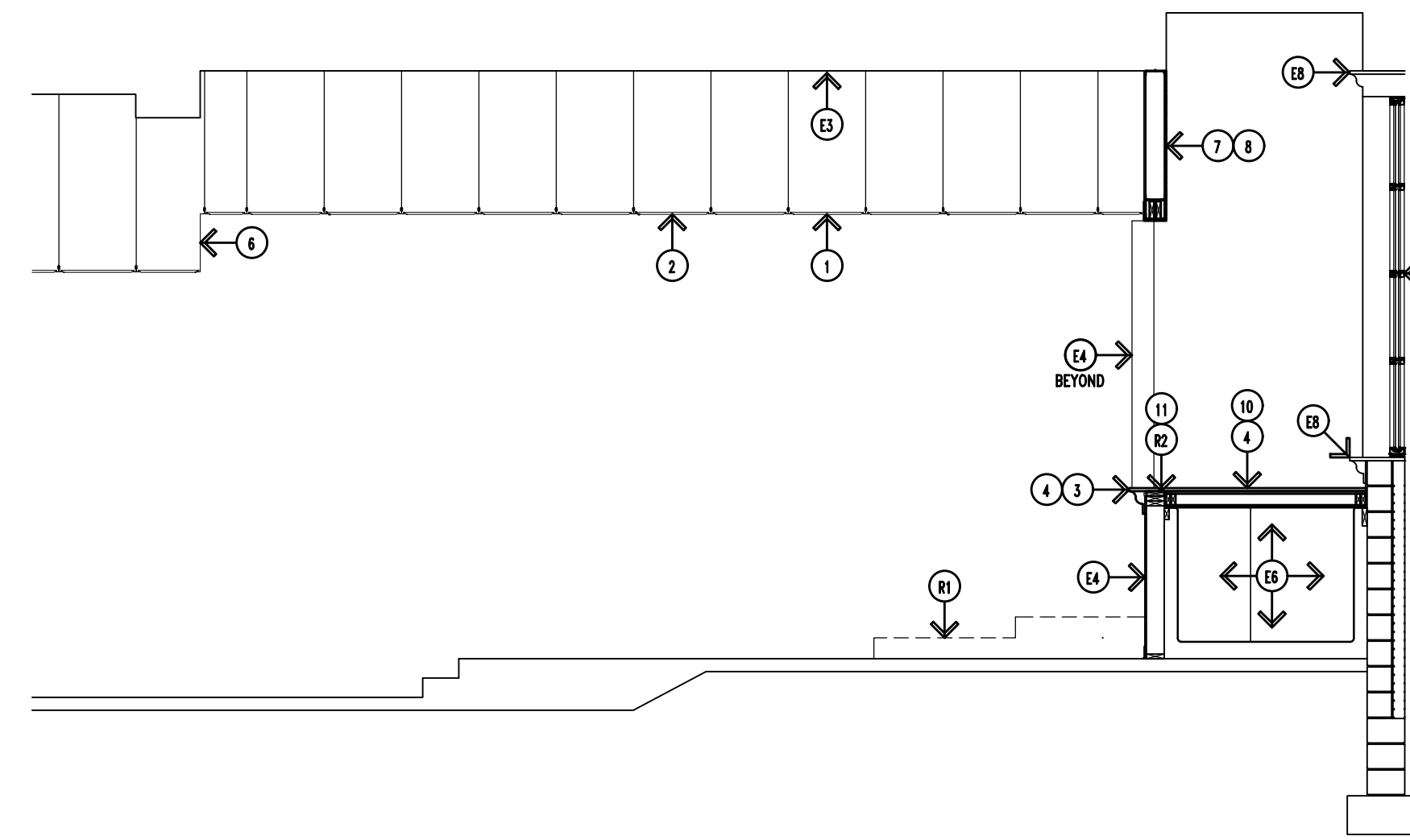
- E1. DOOR, FRAME, AND HARDWARE.
- E2. CMU BLOCK - EXACT CONDITIONS UNKNOWN.
- E3. CEILING AND ROOF STRUCTURE - EXACT CONDITIONS UNKNOWN.
- E4. GYPSUM BOARD WALL - PATCH AND REPAIR AS NECESSARY.
- E5. STRUCTURAL FOOTING - EXACT CONDITIONS UNKNOWN.
- E6. BAPTISMAL FONT - EXACT CONDITIONS UNKNOWN.
- E7. BRICK VENEER - EXACT CONDITIONS UNKNOWN.
- E8. CROWN MOLDING- EXACT CONDITIONS UNKNOWN.

REMOVAL NOTES:

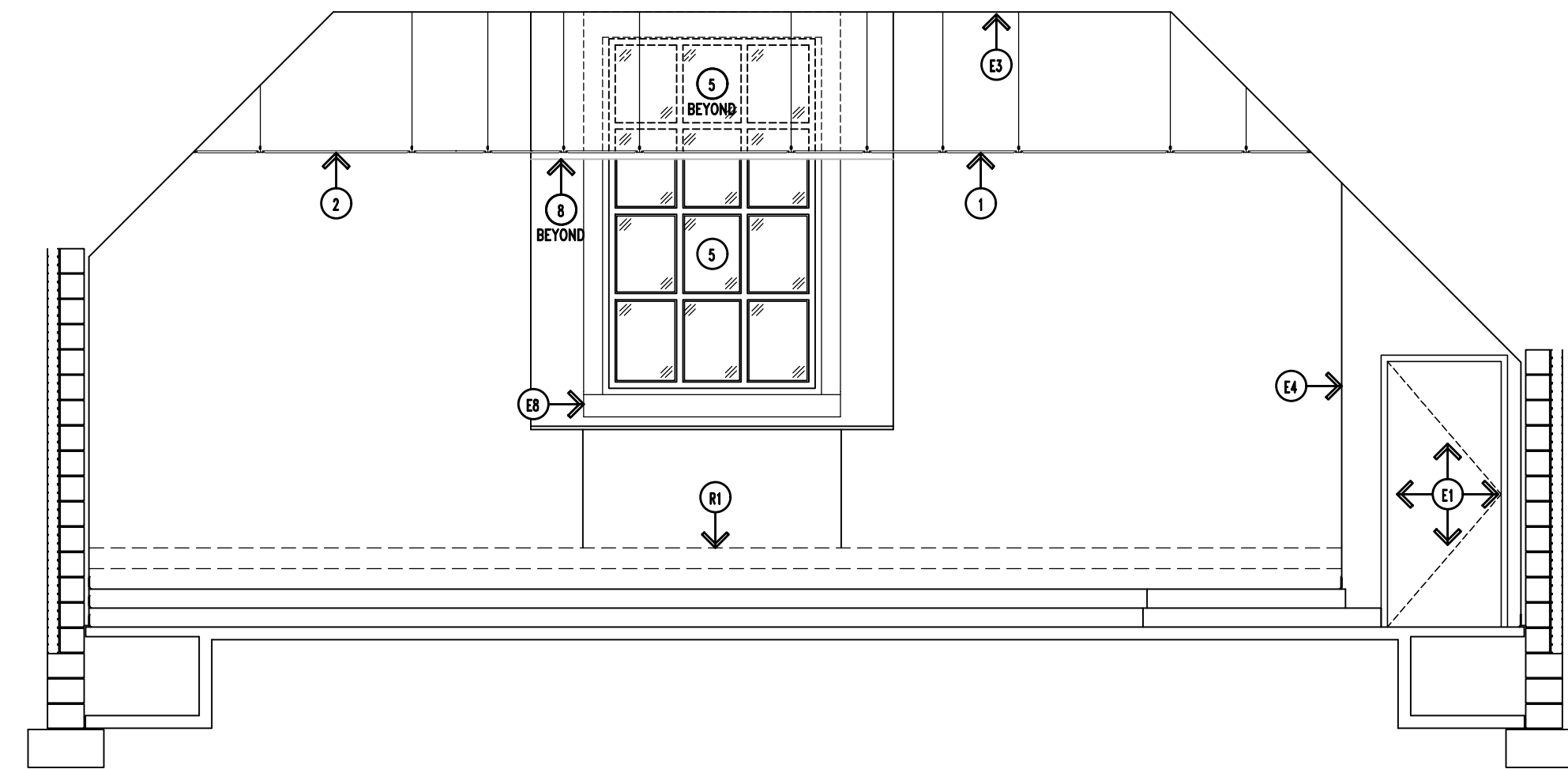
- R1. EXISTING RISERS COMPLETE - EXACT CONDITIONS UNKNOWN (C.F.V.). PATCH AND REPAIR AS NECESSARY IN PREPARATION FOR NEW FLOORING.
- R2. EXISTING WOOD TRIM COMPLETE - EXACT CONDITIONS UNKNOWN (C.F.V.).

DRAWING NOTES:

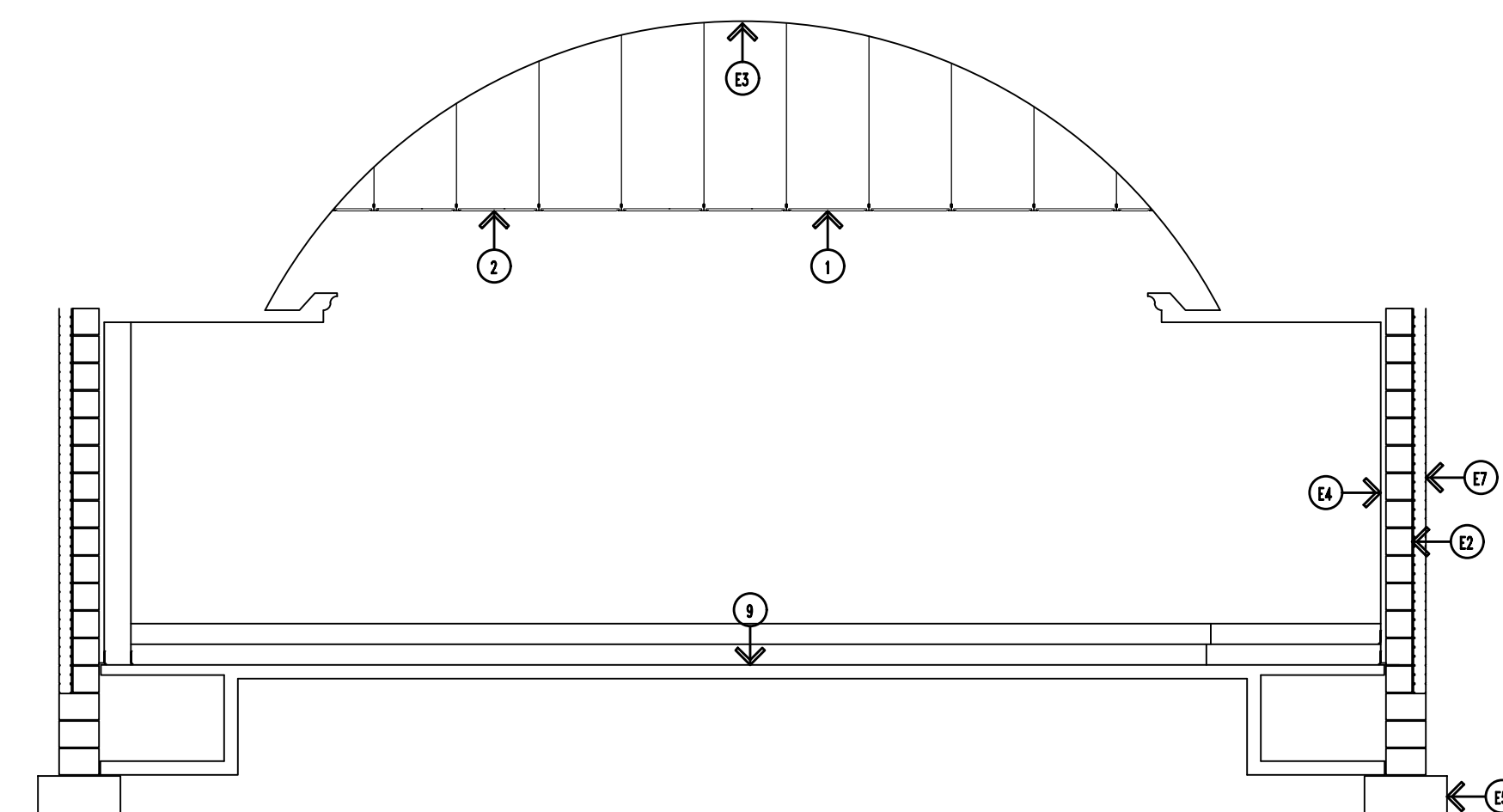
- 1. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO EXISTING CEILING ABOVE.
- 2. LED LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
- 3. CROWN MOLDING - TO MATCH EXISTING WINDOW TRIM PROFILE EXACTLY (C.F.V.).
- 4. CUSTOM WOOD STAIN - TO MATCH EXISTING WINDOW TRIM MOLDING EXACTLY (C.F.V.).
- 5. STOREFRONT FRAMING AND GLAZING -- REFER TO DOOR SCHEDULE AND SPECIFICATIONS.
- 6. CUSTOM BREAK METAL TRIM (SIMILAR TO AXIOM TRIM) - APPROXIMATELY 1'-6" HIGH.
- 7. 1/2" GYPSUM TAPED AND FINISHED THREE (3) COATS- PROVIDE LEVEL 4 FINISH AT ALL WALLS AS DEFINED BY THE GYPSUM ASSOCIATION.
- 8. 6" CONTINUOUS METAL STUD FRAMING @ 16" O.C. WITH BOX HEADER.
- 9. FLOORING AND WALL BASE - REFER TO FINISH SCHEDULE FOR FURTHER INFORMATION.
- 10. 2x6 FRAMING @ 12" O.C. TO SUPPORT NEW PLATFORM (TO BE FRAMED OVER TOP EXISTING BAPTISMAL FONT) WITH 3/4" FINISH GRADE PLYWOOD - STAINED TO MATCH EXISTING WINDOW TRIM MOLDING EXACTLY (C.F.V.). (PLATFORM IS INTENDED FOR DISPLAY PURPOSES ONLY)
- 11. 2x BLOCKING - CUT TO SUIT CONDITIONS.



3 Building Section M - East/West (Area A)
 A3.53 Scale: 1/4"=1'-0"
 REFER TO 1/A3.53 FOR TYPICAL NOTES



2 Building Section L - North/South (Area A)
 A3.53 Scale: 1/4"=1'-0"
 REFER TO 1/A3.53 FOR TYPICAL NOTES



1 Building Section K - North/South (Area A)
 A3.53 Scale: 1/4"=1'-0"



Addendum #4: 17 August 2023

Building Sections - Alternate #1

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Crestwood School District
 Cherry Hill Baptist Church
 Administration Relocation and Addition

Project No. 3221 A3.53

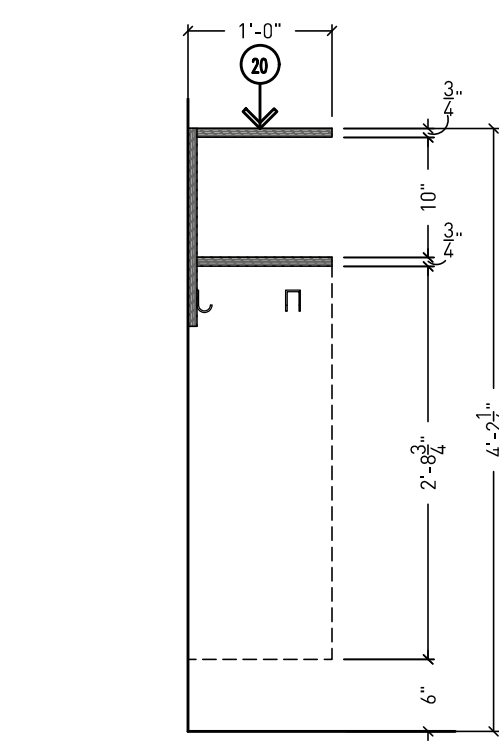
803 W. Big Beaver Road, Suite 350, Troy, MI 48064 | 248.244.9710
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GENERAL NOTES:

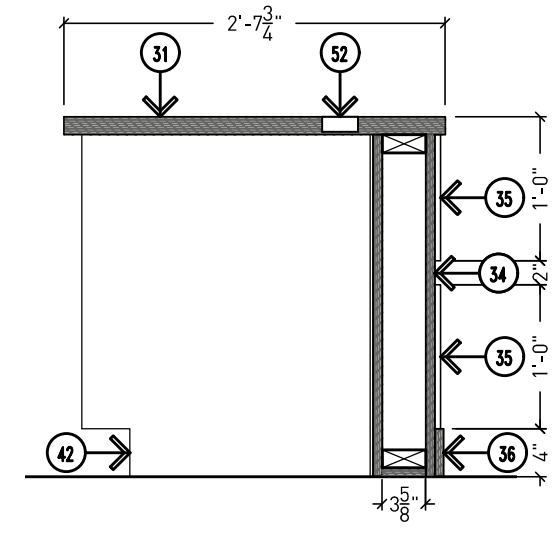
- DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- ALL OUTSIDE CORNERS OF TILED WALLS TO HAVE TRIM PIECE SIMILAR TO SCHLUTER "RONDEC" SIZED APPROPRIATE FOR TILE THICKNESS SATIN ANODIZED ALUMINUM FINISH. EXPOSED TOP EDGE TO BE FINISHED WITH COORDINATING TOP CAP.

DRAWING NOTES:

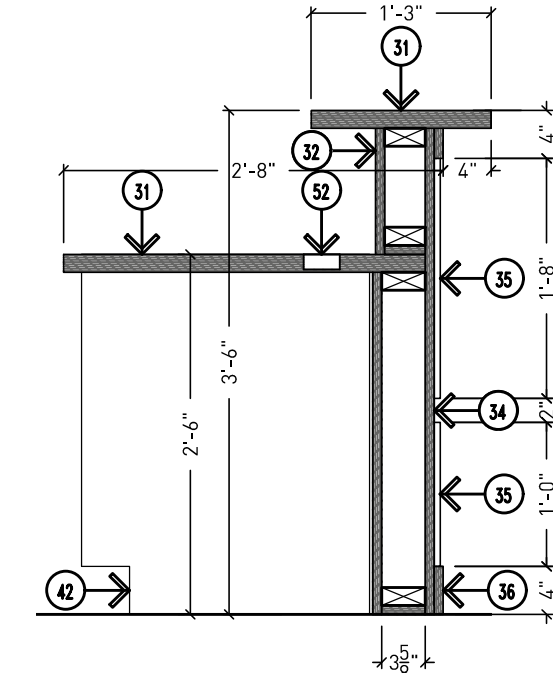
- FLOOR MOUNTED, OVERHEAD BRACED PLASTIC TOILET COMPARTMENT WITH DOOR, HINGES, SLIDE LATCH, DOOR PULL, COAT HOOK, ETC. REFER TO SPECIFICATIONS.
- WALL MOUNTED, PLASTIC URINAL SCREEN WITH CONTINUOUS WALL BRACKET. REFER TO SPECIFICATIONS.
- FLOOR MOUNTED WATERCLOSET PER ADA REQUIREMENTS WITH AUTOMATIC FLUSH VALVE.
- WALL MOUNTED URINAL WITH RIM AT 17" A.F.F. MAXIMUM AND AUTOMATIC FLUSH VALVE. PROVIDE CONCEALED CARRIER WITH TUBE STEEL SUPPORT LEGS.
- WALL MOUNTED WASH FOUNTAIN. REFER TO MECHANICAL SPECIFICATIONS.
- WALL MOUNTED MIRROR. REFER TO SPECIFICATIONS.
- WALL MOUNTED PAPER TOWEL DISPENSER. REFER TO SPECIFICATIONS.
- TOILET PAPER DISPENSER MOUNTED PER ADA REQUIREMENTS. REFER TO SPECIFICATIONS.
- DOOR - REFER TO DOOR SCHEDULE.
- DOOR FRAME - REFER TO DOOR SCHEDULE.
- 42" STAINLESS STEEL GRAB BAR MOUNTED PER ADA REQUIREMENTS. REFER TO A00 & SPECIFICATIONS.
- 36" STAINLESS STEEL GRAB BAR MOUNTED PER ADA REQUIREMENTS. REFER TO A00 & SPECIFICATIONS.
- 18" STAINLESS STEEL GRAB BAR MOUNTED PER ADA REQUIREMENTS. REFER TO A00 & SPECIFICATIONS.
- WALL MOUNTED SOAP DISPENSER. REFER TO SPECIFICATIONS.
- SANITARY NAPKIN DISPOSAL MOUNTED PER ADA REQUIREMENTS. REFER TO SPECIFICATIONS.
- CERAMIC / PORCELAIN TILE WALL BASE - REFER TO FINISH SCHEDULE AND SPECIFICATIONS.
- PAINTED CMU WALL - REFER TO FINISH SCHEDULE.
- FLOOR MOUNTED CHILD SIZE WATERCLOSET PER CHILD ADA REQUIREMENTS WITH AUTOMATIC FLUSH VALVE.
- WALL-MOUNTED LAVATORY MOUNTED PER ADA REQUIREMENTS WITH BATTERY OPERATED FAUCET. PROVIDE CONCEALED WALL CARRIER WITH FLOOR SUPPORTS.
- CUSTOM PLASTIC LAMINATE COAT CUBBIES WITH HOOKS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
- WHITE BOARD/ TACKBOARD (TB-3) COMBINATION. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
- APPROXIMATE LOCATION OF INTERACTIVE FLAT PANEL. COORDINATE BETWEEN TECHNOLOGY AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN. FURNISHED AND INSTALLED BY TECHNOLOGY VENDOR.
- COUNTERTOP W/SIDE AND BACKSPASH TO SUIT CONDITIONS. REFER TO FINISH / MATERIALS SCHEDULE.
- BASE CABINET. REFER TO CABINET SCHEDULE.
- FILLER PANEL AS REQUIRED.
- LAMINATED SAFETY GLAZING IN ALUMINUM STOREFRONT.
- EXISTING WINDOW.
- RECEPTION DESK. REFER TO CABINET SCHEDULE.
- MAIL SLOTS. REFER TO CABINET SCHEDULE.
- UPPER WALL CABINETS. REFER TO CABINET SCHEDULE.
- PLASTIC LAMINATE RECEPTION DESK COUNTERTOP. REFER TO MATERIALS SCHEDULE.
- TACKABLE SURFACE MATERIAL (TB-3). REFER TO MATERIALS SCHEDULE.
- PLASTIC LAMINATE FILE DRAWER. REFER TO MATERIALS SCHEDULE.
- PLASTIC LAMINATE REVEAL. REFER TO MATERIALS SCHEDULE.
- PLASTIC LAMINATE RECEPTION DESK. REFER TO MATERIALS SCHEDULE.
- PLASTIC LAMINATE BASE. REFER TO MATERIALS SCHEDULE.
- NOT USED.
- EXISTING OFFICE EQUIPMENT.
- WALL-MOUNTED LAVATORY MOUNTED PER CHILD ADA REQUIREMENTS WITH BATTERY OPERATED FAUCET. PROVIDE CONCEALED WALL CARRIER WITH FLOOR SUPPORTS.
- CERAMIC / PORCELAIN WALL TILE. REFER TO FINISH / MATERIALS SCHEDULE.
- PAINTED GYPSUM WALL. REFER TO FINISH / MATERIALS SCHEDULE.
- 4" COVED RUBBER BASE. REFER TO MATERIALS SCHEDULE.
- ELECTRIC WATER COOLER WITH BOTTLE FILLER.
- WALL MOUNTED ADJUSTABLE HEIGHT CHANGING STATION. REFER TO SPECIFICATIONS.
- STOREFRONT FRAMING SYSTEM WITH GLASS. REFER TO DOOR SCHEDULE.
- WASTE RECEPTACLE. REFER TO SPECIFICATIONS.
- WINDOW SHADES. REFER TO MATERIALS SCHEDULE.
- TOP OF MIRROR TO ALIGN WITH TOP OF TILE; BOTTOM OF MIRROR NOT TO EXCEED 40" A.F.F. PER BARRIER FREE REQUIREMENTS.
- WALL MOUNTED DIAPER CHANGING STATION. REFER TO SPECIFICATIONS.
- FINISHED END PANEL AS REQUIRED.
- TACKBOARD (TB-3) WITH ALUMINUM FRAME. REFER TO SPECIFICATIONS.
- 3" GROMMET. REFER TO SPECIFICATIONS.
- LINE OF FURRED OUT WALL BEHIND WASH FOUNTAIN.
- HOSE BIBB ENCLOSURE. REFER TO SPECIFICATIONS.



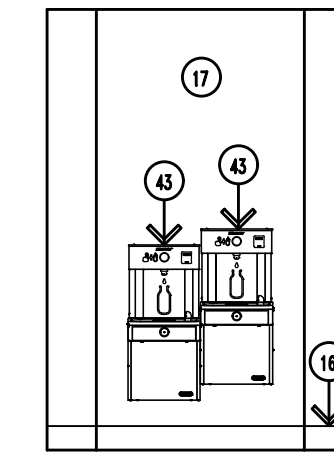
15 GSRP Cubbie Section
Scale: 3/4"=1'-0"



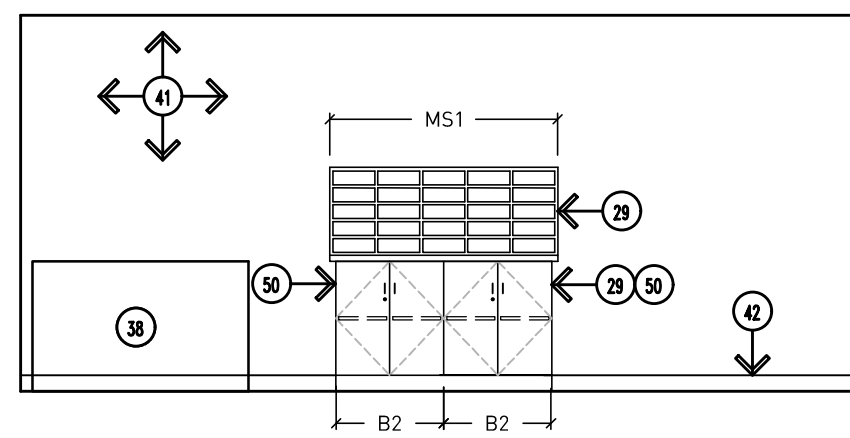
14 Reception Desk Section
Scale: 3/4"=1'-0"



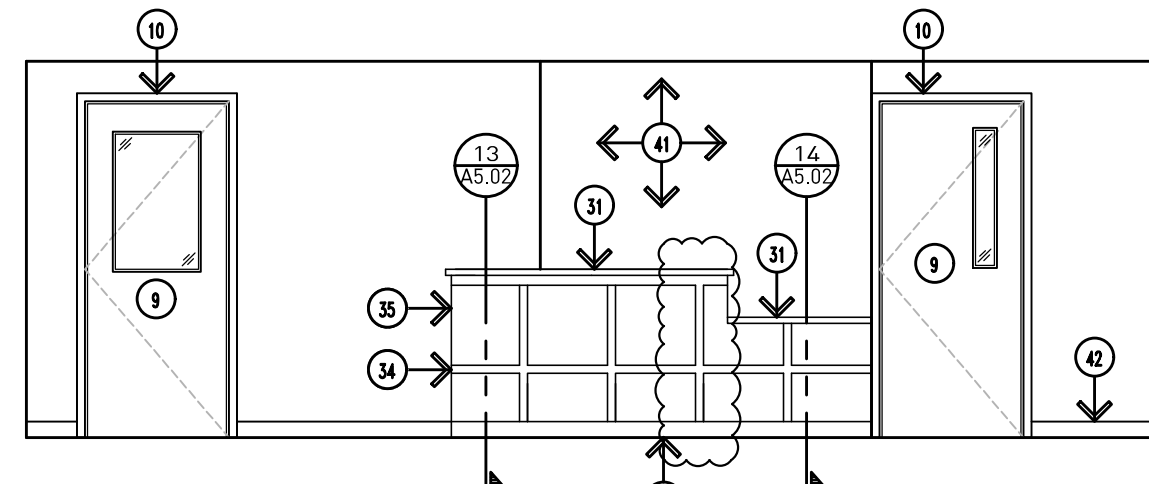
13 Reception Desk Section
Scale: 3/4"=1'-0"



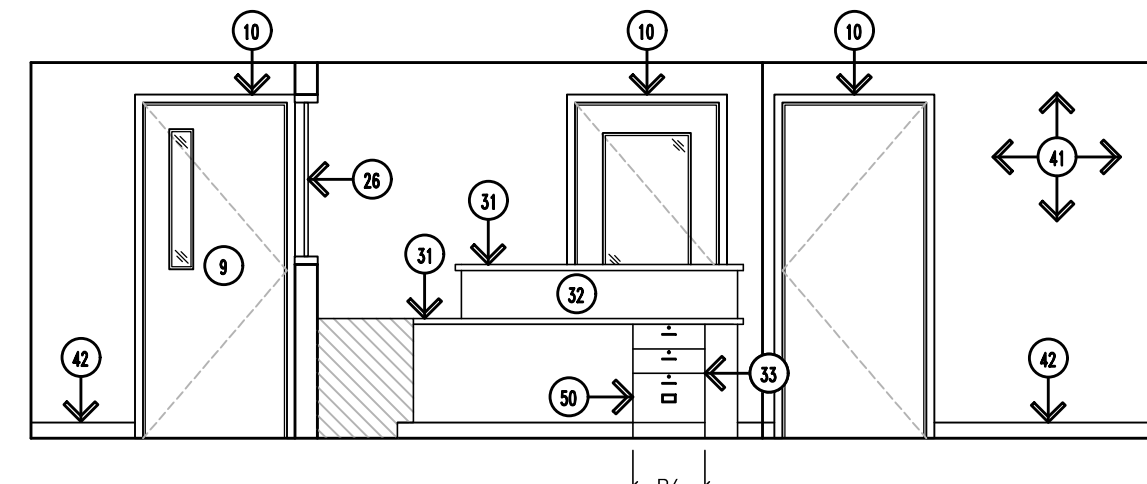
12 Corridor D 150 Drinking Fountains
Scale: 1/4"=1'-0"



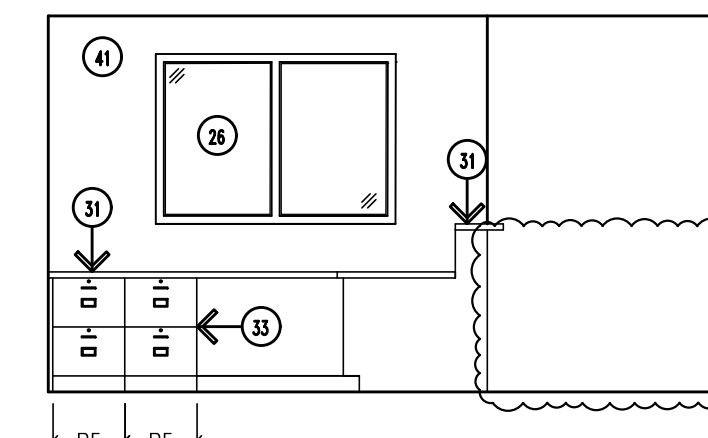
11 145 Reception Mailbox South Elevation
Scale: 1/4"=1'-0"



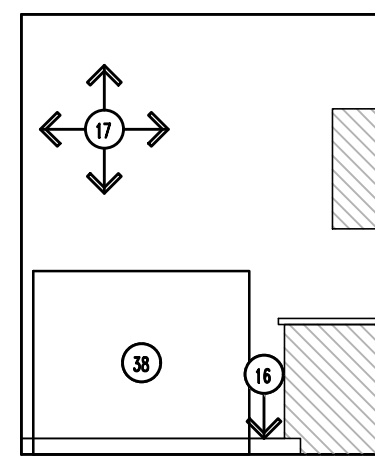
10 145 Reception Desk West Elevation
Scale: 1/4"=1'-0"



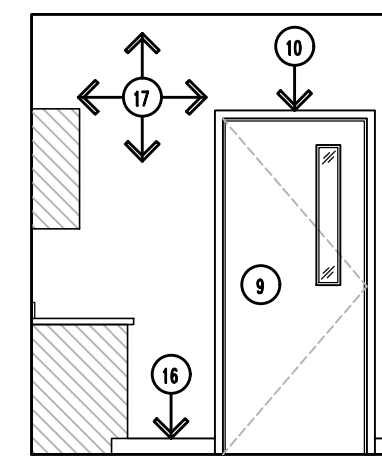
9 145 Reception Desk East Elevation
Scale: 1/4"=1'-0"



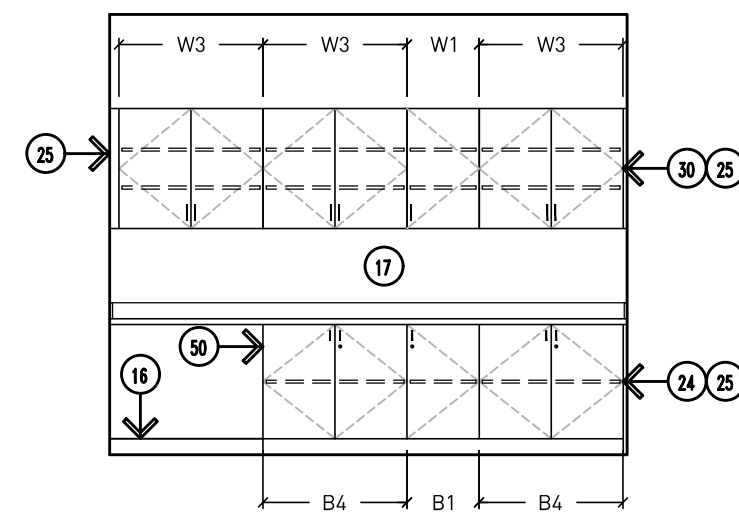
8 145 Reception Desk North Elevation
Scale: 1/4"=1'-0"



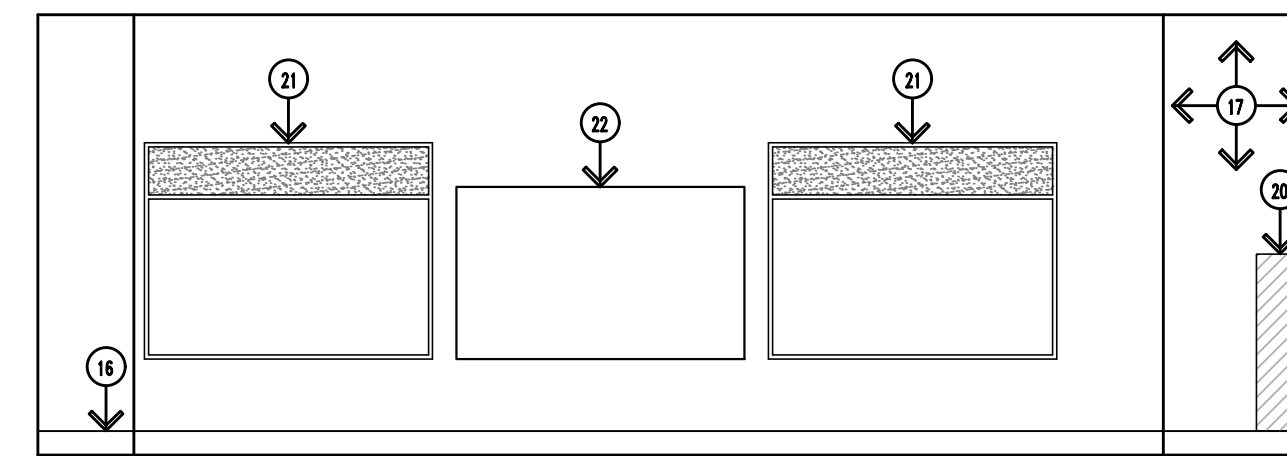
7 152 Storage Room West Elevation
Scale: 1/4"=1'-0"



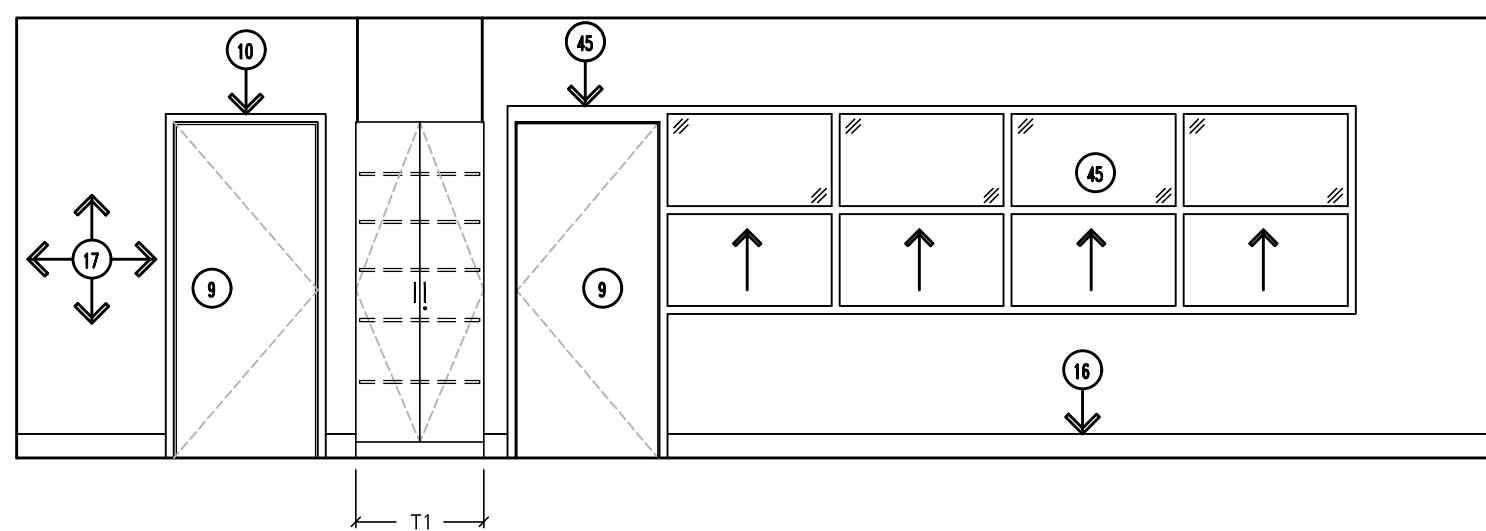
6 152 Storage Room East Elevation
Scale: 1/4"=1'-0"



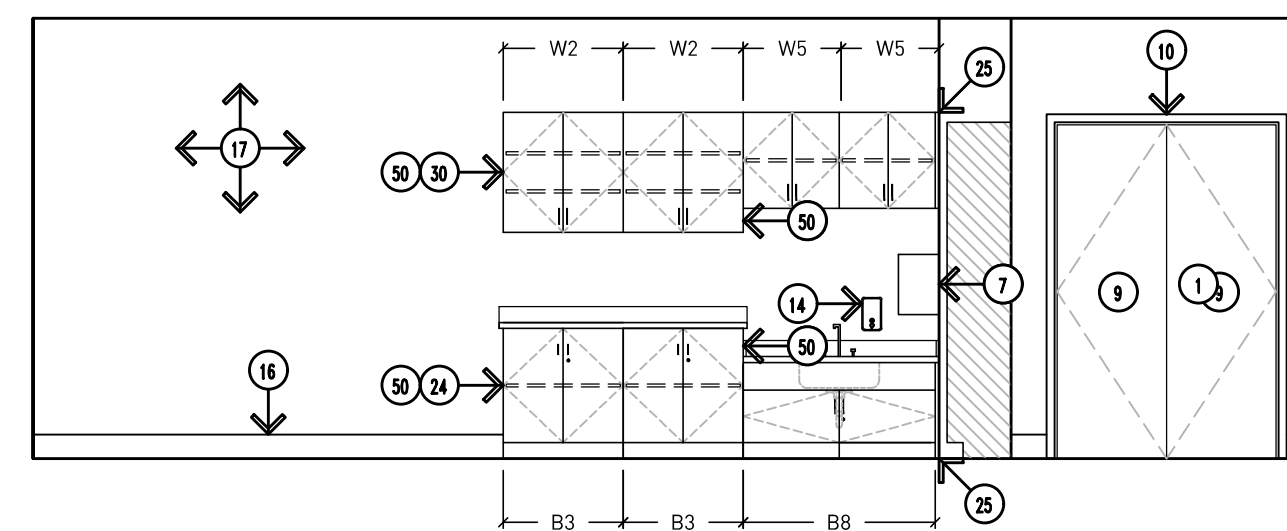
5 152 Storage Room North Elevation
Scale: 1/4"=1'-0"



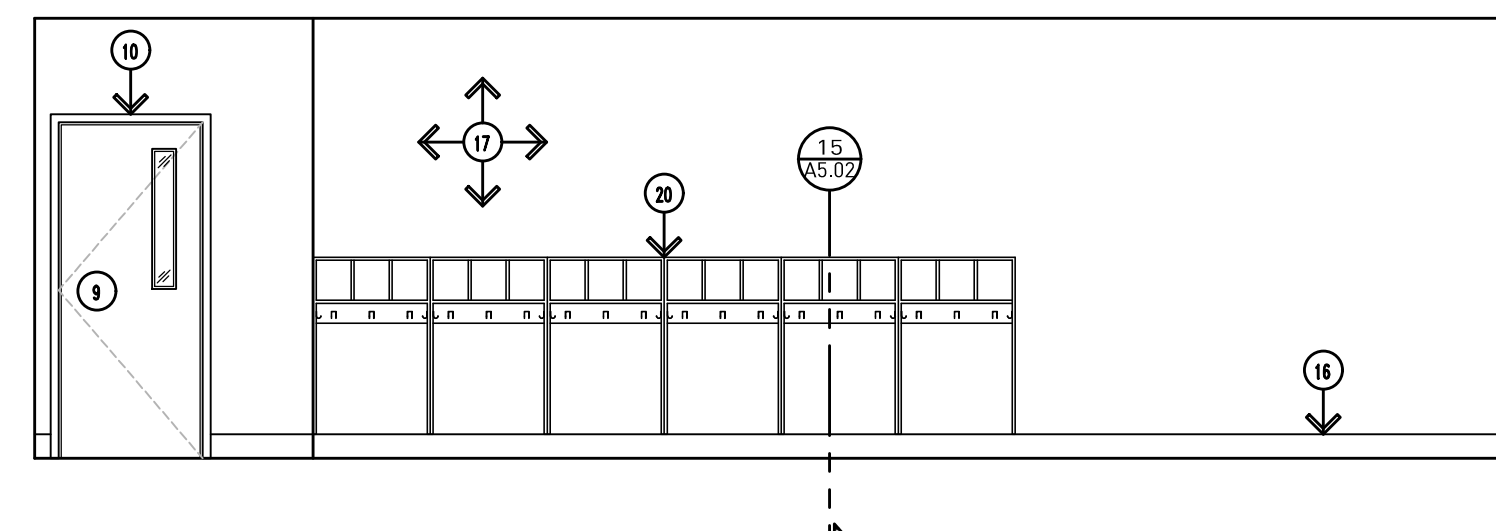
4 GSRP Room West Elevation
Scale: 1/4"=1'-0"
NOTE: ALL GSRP ROOMS SIMILAR



3 GSRP Room South Elevation
Scale: 1/4"=1'-0"
NOTE: ALL GSRP ROOMS SIMILAR



2 GSRP Room East Elevation
Scale: 1/4"=1'-0"
NOTE: ALL GSRP ROOMS SIMILAR



1 GSRP Room North Elevation
Scale: 1/4"=1'-0"
NOTE: ALL GSRP ROOMS SIMILAR

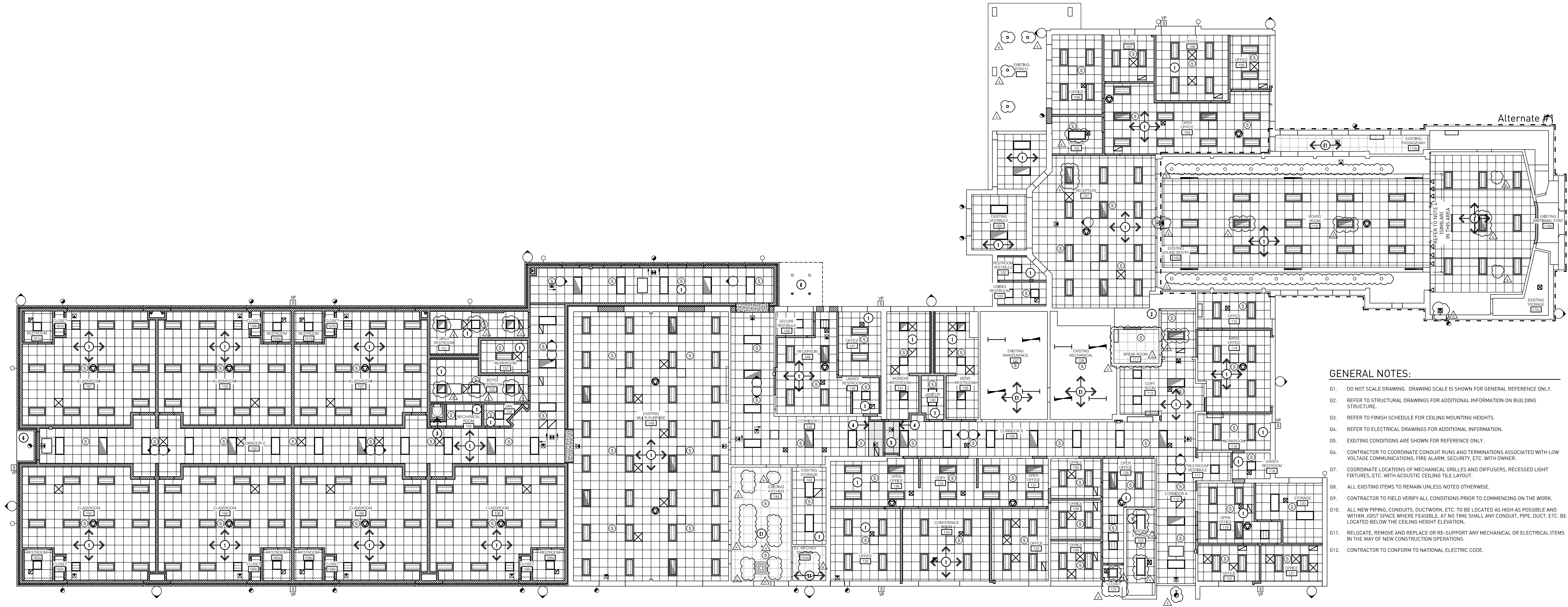


Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Interior Elevations



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition



- GENERAL NOTES:**
- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
 - G2. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON BUILDING STRUCTURE.
 - G3. REFER TO FINISH SCHEDULE FOR CEILING MOUNTING HEIGHTS.
 - G4. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - G5. EXISTING CONDITIONS ARE SHOWN FOR REFERENCE ONLY.
 - G6. CONTRACTOR TO COORDINATE CONDUIT RUNS AND TERMINATIONS ASSOCIATED WITH LOW VOLTAGE COMMUNICATIONS, FIRE ALARM, SECURITY, ETC. WITH OWNER.
 - G7. COORDINATE LOCATIONS OF MECHANICAL GRILLES AND DIFFUSERS, RECESSED LIGHT FIXTURES, ETC. WITH ACOUSTIC CEILING TILE LAYOUT.
 - G8. ALL EXISTING ITEMS TO REMAIN UNLESS NOTED OTHERWISE.
 - G9. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCING ON THE WORK.
 - G10. ALL NEW PIPING, CONDUITS, DUCTWORK, ETC. TO BE LOCATED AS HIGH AS POSSIBLE AND WITHIN JOIST SPACE WHERE FEASIBLE. AT NO TIME SHALL ANY CONDUIT, PIPE, DUCT, ETC. BE LOCATED BELOW THE CEILING HEIGHT ELEVATION.
 - G11. RELOCATE, REMOVE AND REPLACE OR RE-SUPPORT ANY MECHANICAL OR ELECTRICAL ITEMS IN THE WAY OF NEW CONSTRUCTION OPERATIONS.
 - G12. CONTRACTOR TO CONFORM TO NATIONAL ELECTRIC CODE.

1 Composite RCP
 A6.10 Scale: 3/32"=1'-0"

LEGEND CONTINUED:

- CEILING MOUNTED ACU - REFER TO MECHANICAL DRAWINGS
- CAMERA - REFER TO TECHNOLOGY DRAWINGS
- WAP - REFER TO TECHNOLOGY DRAWINGS
- CEILING MOUNTED SPEAKER - REFER TO TECHNOLOGY DRAWINGS
- WALL MOUNTED SPEAKER - REFER TO TECHNOLOGY DRAWINGS
- WALL MOUNTED ACU. MOUNT HIGH ON THE WALL - REFER TO MECHANICAL DRAWINGS

LEGEND CONTINUED:

- SUPPLY AIR DIFFUSER - REFER TO MECHANICAL DRAWINGS
- RETURN AIR GRILLE - REFER TO MECHANICAL DRAWINGS
- EXISTING SUPPLY AIR DIFFUSER
- EXISTING RETURN AIR GRILLE
- EXISTING 1X1 LIGHT
- EXISTING RECESSED CAN LIGHT
- EXISTING TRACK LIGHT
- EXISTING CEILING FAN

LEGEND CONTINUED:

- LINEAR 4" LIGHT WITH EMERGENCY BACK UP - REFER TO ELECTRICAL DRAWINGS
- 8" ROUND RECESSED CAN LIGHT - REFER TO ELECTRICAL DRAWINGS
- 8" ROUND RECESSED CAN LIGHT WITH EMERGENCY BACK UP - REFER TO ELECTRICAL DRAWINGS
- SURFACE OR PENDANT MOUNTED LED EXIT LIGHT WITH BATTERY PACK AND DIRECTIONAL ARROWS AS INDICATED ON PLAN - REFER TO ELECTRICAL DRAWINGS
- EXTERIOR LIGHT - REFER TO ELECTRICAL DRAWINGS
- 3"x4" LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP - REFER TO ELECTRICAL DRAWINGS
- TRACK LIGHT - REFER TO ELECTRICAL DRAWINGS
- EXTERIOR LIGHT WITH EMERGENCY BATTERY BACKUP - REFER TO ELECTRICAL DRAWINGS
- ACOUSTIC CEILING TILE

LEGEND:

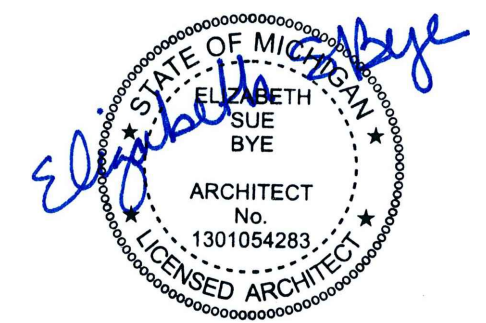
- 2X4 RECESSED LED LIGHT FIXTURE WITH CENTER BASKET - REFER TO ELECTRICAL DRAWINGS
- REPRESENTS LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP - REFER TO ELECTRICAL DRAWINGS
- 2X4 RECESSED FLAT PANEL LED LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS
- REPRESENTS LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP - REFER TO ELECTRICAL DRAWINGS
- 2X2 RECESSED LED LIGHT FIXTURE WITH CENTER BASKET - REFER TO ELECTRICAL DRAWINGS
- 2X2 RECESSED FLAT PANEL LED LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS
- REPRESENTS LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP - REFER TO ELECTRICAL DRAWINGS
- LINEAR 4" LIGHT - REFER TO ELECTRICAL DRAWINGS

DRAWING NOTES:

1. SUSPENDED ACOUSTICAL TILE AND METAL GRID SUSPENSION SYSTEM.
2. PATCH AND REPAIR EXISTING GYPSUM BOARD/PLASTER CEILING, FINISH 3 COATS (PT-12, FLAT).
3. 30" x 36" ROOF HATCH -- COORDINATE WITH ROOF STRUCTURE.
4. AXIOM TRIM PIECE AS REQUIRED TO SUIT CONDITIONS - REFER TO SECTION 3/A9.52 FOR MORE INFORMATION.
5. LOWER CEILING TO ALLOW ELECTRICAL CONDUIT AND DATA CABLING ABOVE DOOR - REFER TO SECTION 3/A9.52 FOR MORE INFORMATION.
6. EIFS CANOPY FINISH.

EXISTING TO REMAIN:

- E1. EXISTING CEILING SYSTEM TO REMAIN.



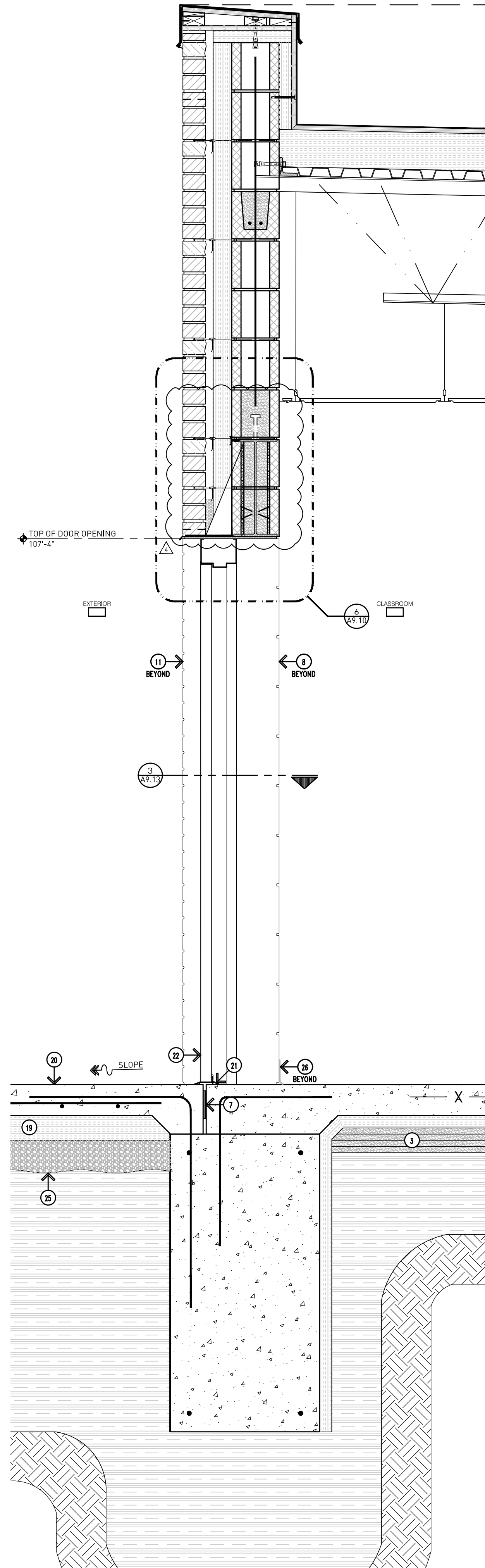
Addendum #4: 17 August 2023
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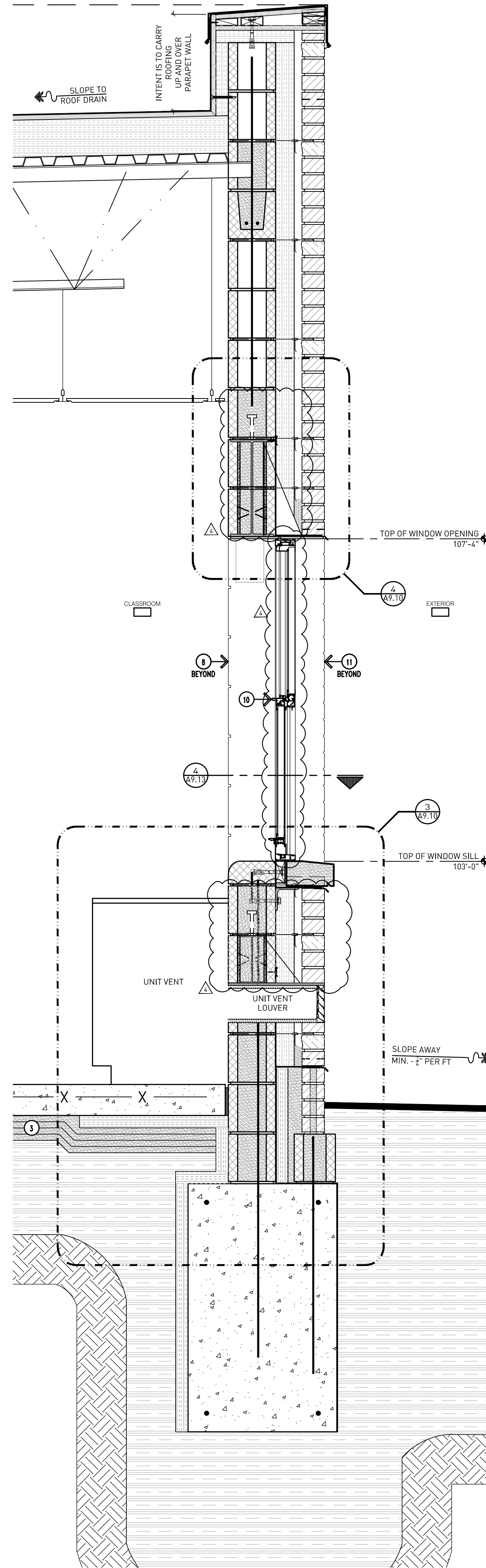
Crestwood School District
 Cherry Hill Baptist Church
 Administration Relocation and Addition

Project No. 3221

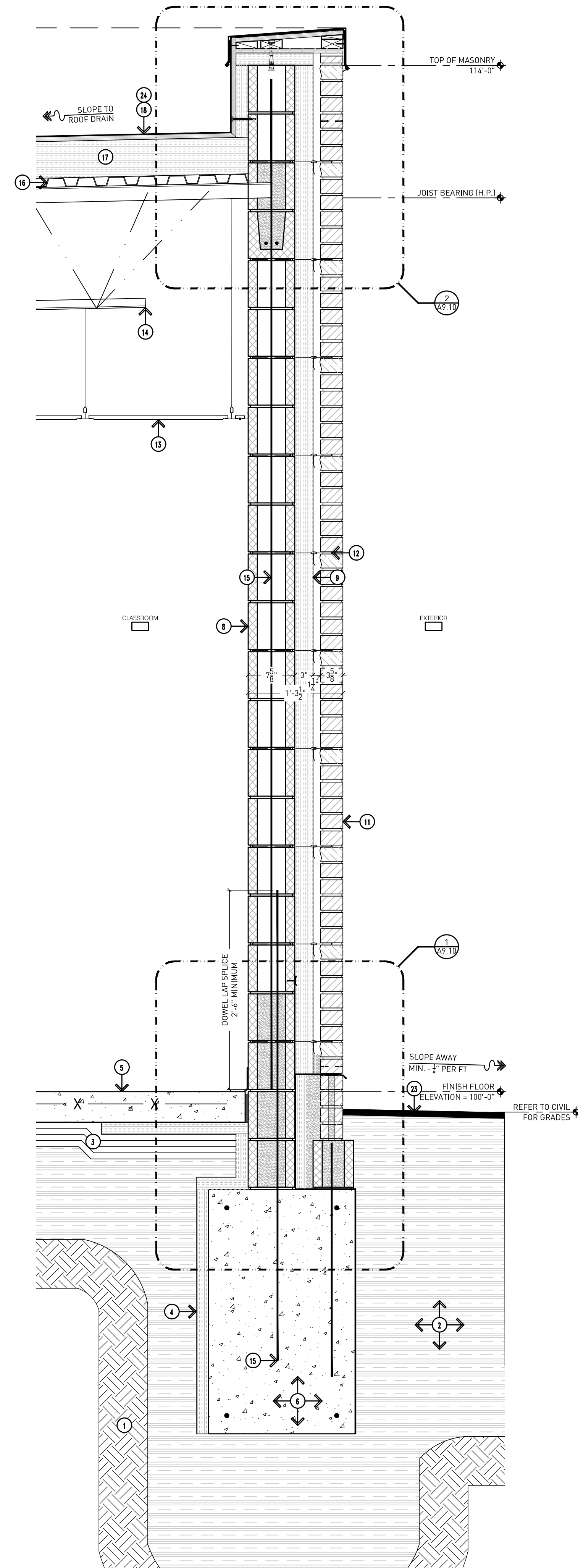
A6.10



3 Ext. Wall Section C - North/South (Area B)
 Scale: 1"=1'-0"
 REFER TO 1/A9.00 FOR TYPICAL NOTES



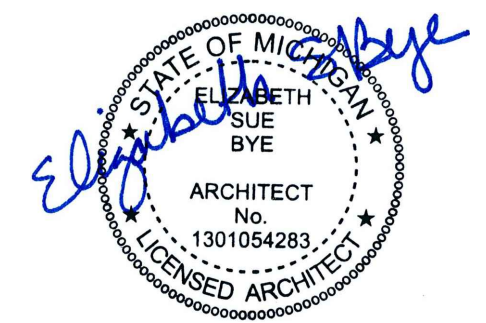
2 Ext. Wall Section B - North/South (Area B)
 Scale: 1"=1'-0"
 REFER TO 1/A9.00 FOR TYPICAL NOTES



1 Ext. Wall Section A - North/South (Area B)
 Scale: 1"=1'-0"

- GENERAL NOTES:**
- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
 - G2. PROVIDE MASONRY ANCHORS @ 16" O.C. VERTICALLY AND HORIZONTALLY.
 - G3. PROVIDE NON-COM WOOD BLOCKING BEHIND ALL MISCELLANEOUS TRIM LOCATIONS AND ALL OTHER ATTACHMENT LOCATIONS WHETHER PARTICULARLY SHOWN ON THE DOCUMENTS OR NOT.
 - G4. ALL PREFINISHED METAL COPING TO BE COMPLETE WITH CONCEALED CLIP ANCHORS ON BOTH SIDES (NO VISIBLE FASTENERS).
 - G5. CARRY ROOFING UP AND OVER PARAPET CAP -- TYPICAL.
 - G6. PROVIDE CONTINUOUS SPRAY-APPLIED VAPOR BARRIER COVERING FACE OF WALL AND UP AND OVER PARAPET WALL. TERMINATE WITH ROOFING PER MANUFACTURER'S REQUIREMENTS. BARRIER SYSTEM SHALL BE CONTINUOUS AROUND THE ENTIRE BUILDING ENVELOPE AND INCLUDE ALL PROPER TECHNIQUES FOR PENETRATIONS, ETC.
 - G7. ALL FLEXIBLE MEMBRANE FLASHING TO BE SECURED TO SUBSTRATE WITH TERMINATION BAR AND SEALANT -- INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - G8. FILL BRICK CORES AND COLLAR JOINTS SOLID BELOW GRADE AND BELOW ALL FLASHINGS.
 - G9. PROVIDE STAINLESS STEEL DRIP WITH HEMMED EDGE ABOVE ALL EXTERIOR WINDOW AND DOOR OPENINGS.
 - G10. PROVIDE MASONRY WEEP VENTS @ 32" O.C. HORIZONTALLY AT TOP AND BOTTOM OF WALL COMPLETE WITH 3/8" x 1-1/2" PLASTIC WEEP VENT AND FLEXIBLE MEMBRANE FLASHING MIN. 16" UP WALL.
 - G11. MASONRY CONTROL JOINTS SHOULD BE SPACED 25'-0" APART MAX. AND SHOULD NOT BE SPACED FURTHER THAN 1.5x THE WALL HEIGHT - REFER TO THE MASONRY INSTITUTE FOR FURTHER INFORMATION.

- DRAWING NOTES:**
1. PROPERLY COMPACTED EXISTING SUBGRADE.
 2. COMPACTED ENGINEERED FILL AS REQUIRED AFTER REMOVAL OF EXISTING LAWN / UNSUITABLE SOILS AS REQUIRED FOR PROPER SLAB ELEVATION.
 3. COMPACTED SAND CUSHION BASE (MINIMUM 4").
 4. 2" RIGID INSULATION BOARD MINIMUM 24" INSIDE BUILDING, AND VERTICALLY BEHIND FOUNDATION.
 5. CONCRETE FLOOR SLAB OVER 15 MIL VAPOR BARRIER -- PROPERLY LAP AND SEAL JOINTS PER MANUFACTURER'S REQUIREMENTS - REFER TO STRUCTURAL DRAWINGS.
 6. CONCRETE FOUNDATION -- REFER TO STRUCTURAL DRAWINGS.
 7. 1/2" PREMOLDED EXPANSION JOINT WITH SEALANT.
 8. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW).
 9. 3" SPRAY FOAM BUILDING INSULATION SYSTEM WITH INTEGRAL CONTINUOUS VAPOR BARRIER.
 10. STOREFRONT FRAMING AND GLAZING -- REFER TO DOOR SCHEDULE AND DETAILS.
 11. 4" BRICK VENER WITH ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY (PROVIDE LENGTH AS REQUIRED DUE TO WALL CAVITY SIZE).
 12. HORIZONTAL JOINT REINFORCING @ 16" O.C. VERTICALLY.
 13. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.
 14. STRUCTURAL STEEL ROOF FRAMING -- REFER TO STRUCTURAL DRAWINGS.
 15. REINFORCING -- REFER TO STRUCTURAL DRAWINGS.
 16. 1 1/2" GALVANIZED METAL ROOF DECK.
 17. RIGID ROOF INSULATION BOARD (MINIMUM 6" THICKNESS -- TWO LAYERS AND COVERBOARD).
 18. FULLY ADHERED SINGLE-PLY EPDM ROOFING -- CARRY UP AND OVER FACE OF PARAPET WALL.
 19. INSULATION FORM - REFER TO STRUCTURAL DRAWINGS.
 20. 5" CONCRETE FROST SLAB -- SLOPE AWAY FROM BUILDING MINIMUM 1/2" PER FOOT.
 21. ALUMINUM THRESHOLD.
 22. DOOR - REFER TO DOOR SCHEDULE.
 23. LINE OF GRADE.
 24. ROOFING COVERBOARD.
 25. DRAINAGE MATERIAL (AGGREGATE) - REFER TO STRUCTURAL DRAWINGS.
 26. WALL BASE--REFER TO FINISH SCHEDULE.



Addendum #4: 17 August 2023
 Bidding and Permits: 31 July 2023

Exterior Wall Sections

EHRESMAN ARCHITECTS
 ehresmanarchitects.com

Crestwood School District
 Cherry Hill Baptist Church
 Administration Relocation and Addition

DRAWING NOTES (CONT.):

- 44. LINE OF GRADE.
- 45. WINDOW SHADE.
- 46. MINIMUM 4" CONCRETE PATCH ABOVE FOUNDATION AT LOCATION OF NEW WALL OPENING.
- 47. INSULATION FORM - REFER TO STRUCTURAL DRAWINGS.
- 48. DRAINAGE MATERIAL (AGGREGATE) - REFER TO STRUCTURAL DRAWINGS.
- 49. ALUMINUM THRESHOLD.
- 50. WALL BASE--REFER TO FINISH SCHEDULE.

DRAWING NOTES (CONT.):

- 38. GROUT CMU CORES SOLID BELOW FLASHING AT WHERE BELOW GRADE.
- 39. FILL BRICK/CMU CORES AND COLLAR JOINTS SOLID BELOW FLASHING AND WHERE BELOW GRADE.
- 40. DOOR FRAME - REFER TO DOOR SCHEDULE.
- 41. DOOR - REFER TO DOOR SCHEDULE.
- 42. JAMB ANCHOR TO SUIT CONDITIONS.
- 43. WATERPROOFING.

GENERAL NOTES:

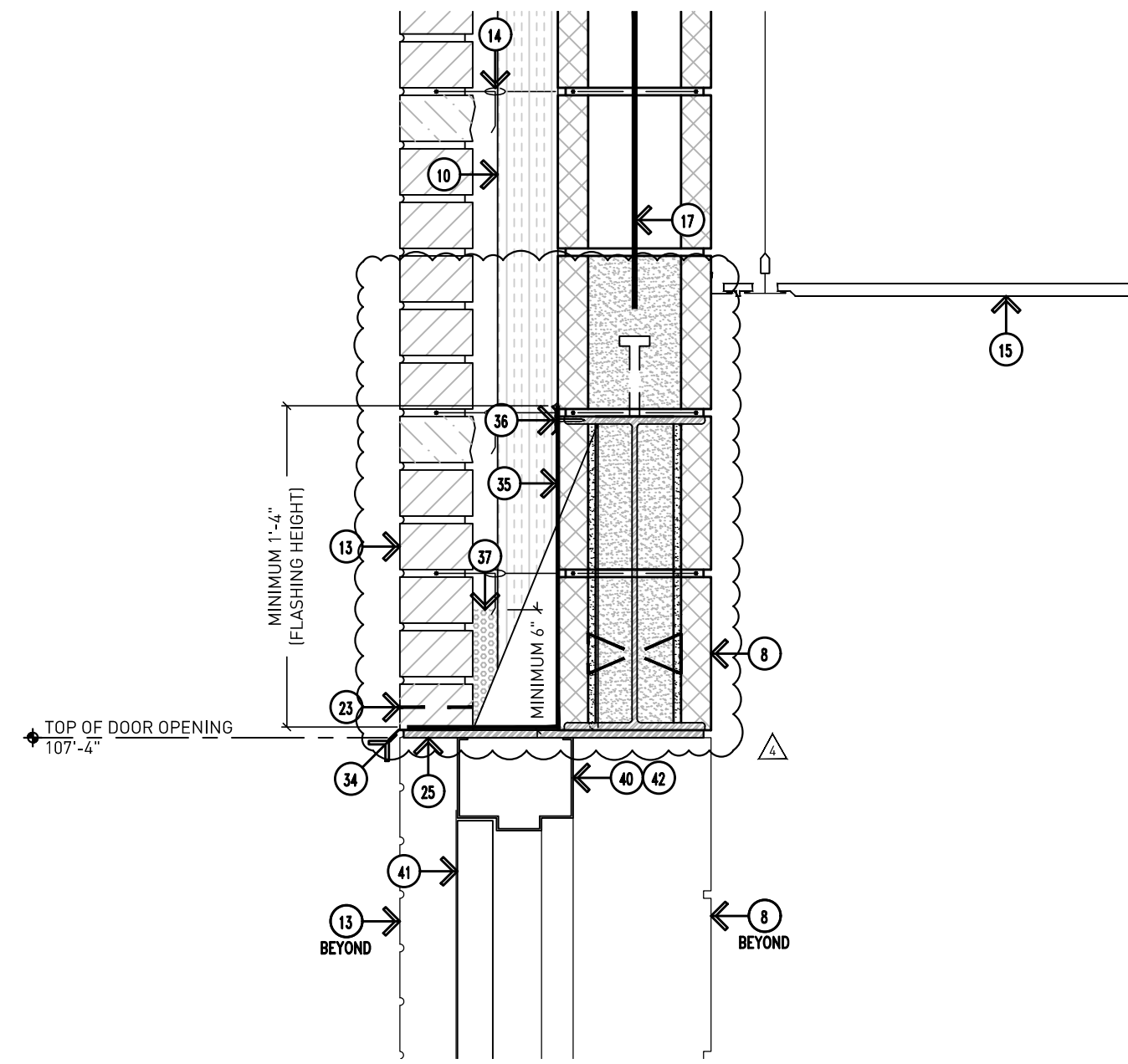
- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. NOT ALL NOTES ARE APPLICABLE TO THIS SHEET.
- G3. PROVIDE MASONRY ANCHORS @ 16" O.C. VERTICALLY AND HORIZONTALLY.
- G4. PROVIDE NON-COM WOOD BLOCKING BEHIND ALL MISCELLANEOUS TRIM LOCATIONS AND ALL OTHER ATTACHMENT LOCATIONS WHETHER PARTICULARLY SHOWN ON THE DOCUMENTS OR NOT.
- G5. ALL PREFINISHED METAL COPING TO BE COMPLETE WITH CONCEALED CLIP ANCHORS ON BOTH SIDES AND VISIBLE FASTENERS.
- G6. CARRY ROOFING UP AND OVER PARAPET CAP -- TYPICAL.
- G7. PROVIDE CONTINUOUS SPRAY-APPLIED VAPOR BARRIER COVERING FACE OF WALL AND UP AND OVER PARAPET WALL. TERMINATE WITH ROOFING PER MANUFACTURER'S REQUIREMENTS. BARRIER SYSTEM SHALL BE CONTINUOUS AROUND THE ENTIRE BUILDING ENVELOPE AND INCLUDE ALL PROPER TECHNIQUES FOR PENETRATIONS, ETC.
- G8. ALL FLEXIBLE MEMBRANE FLASHING TO BE SECURED TO SUBSTRATE WITH TERMINATION BAR AND SEALANT -- INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- G9. FILL BRICK CORES AND COLLAR JOINTS SOLID BELOW GRADE AND BELOW ALL FLASHINGS.
- G10. PROVIDE STAINLESS STEEL DRIP WITH HEMMED EDGE ABOVE ALL EXTERIOR WINDOW AND DOOR OPENINGS.
- G11. PROVIDE MASONRY WEEP VENTS @ 32" O.C. HORIZONTALLY AT TOP AND BOTTOM OF WALL COMPLETE WITH 3/8" x 1-1/2" PLASTIC WEEP VENT AND FLEXIBLE MEMBRANE FLASHING MIN. 16" UP WALL.
- G12. MASONRY CONTROL JOINTS SHOULD BE SPACED 25'-0" APART MAX. AND SHOULD NOT BE SPACED FURTHER THAN 1.5x THE WALL HEIGHT - REFER TO THE MASONRY INSTITUTE FOR FURTHER INFORMATION.

EXISTING TO REMAIN NOTES:

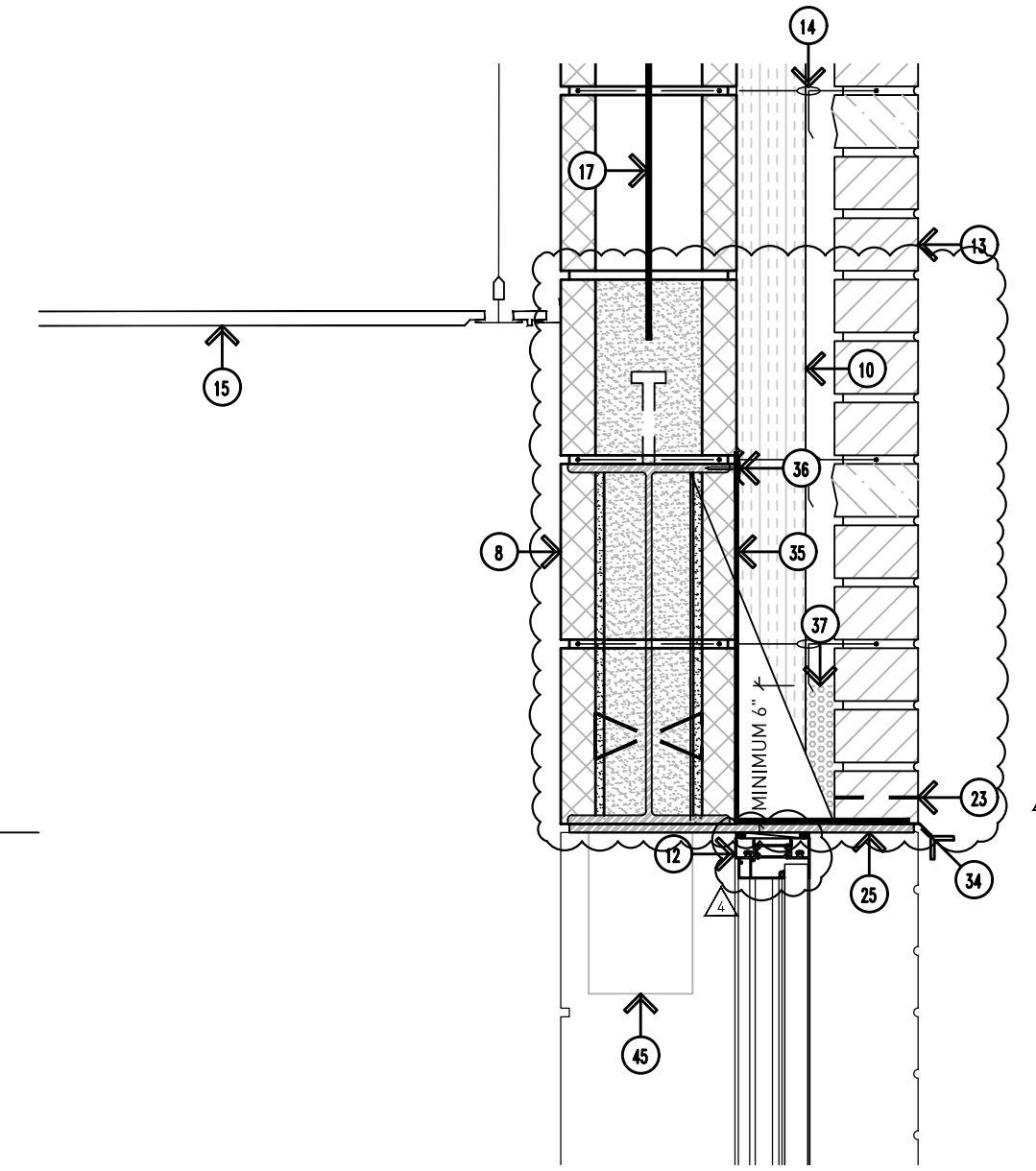
- E1. CONCRETE FLOOR SLAB - EXACT CONDITIONS UNKNOWN.
- E2. STRUCTURAL FOOTING - EXACT CONDITIONS UNKNOWN. CONTRACTOR TO FIELD VERIFY DEPTH.

DRAWING NOTES:

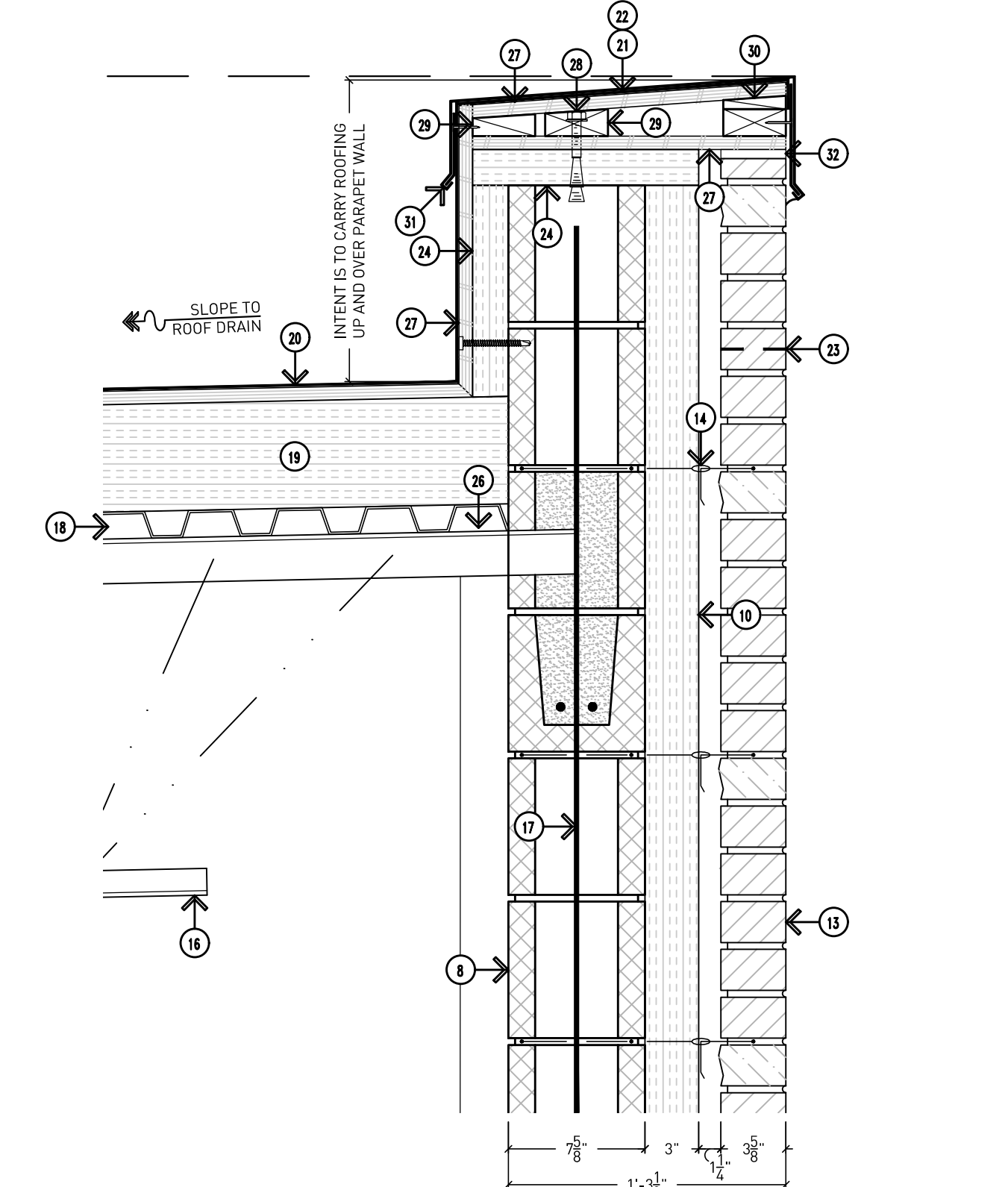
- 1. PROPERLY COMPACTED EXISTING SUBGRADE.
- 2. COMPACTED ENGINEERED FILL AS REQUIRED AFTER REMOVAL OF EXISTING LAWN / UNSUITABLE SOILS AS REQUIRED FOR PROPER SLAB ELEVATION.
- 3. COMPACTED SAND CUSHION BASE (MINIMUM 4").
- 4. 2" RIGID INSULATION BOARD MINIMUM 24" INSIDE BUILDING, AND VERTICALLY BEHIND FOUNDATION.
- 5. CONCRETE FLOOR SLAB OVER 15 MIL VAPOR BARRIER -- PROPERLY LAP AND SEAL JOINTS PER MANUFACTURER'S REQUIREMENTS - REFER TO STRUCTURAL DRAWINGS.
- 6. CONCRETE FOUNDATION -- REFER TO STRUCTURAL DRAWINGS.
- 7. 1/2" PREMOLDED EXPANSION JOINT WITH SEALANT.
- 8. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW).
- 9. BULLNOSE CMU MASONRY BLOCK.
- 10. 3" SPRAY FOAM BUILDING INSULATION SYSTEM WITH INTEGRAL CONTINUOUS VAPOR BARRIER AND ACCESSORIES AS REQUIRED TO PROVIDE BARRIER FROM FOUNDATION TO ROOFING.
- 11. LIMESTONE WINDOW SILL AND PROFILE TO MATCH EXISTING.
- 12. STOREFRONT FRAMING AND GLAZING -- REFER TO WINDOW SCHEDULE AND DETAILS.
- 13. 4" BRICK VENEER WITH ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY (PROVIDE LENGTH AS REQUIRED DUE TO WALL CAVITY SIZE).
- 14. HORIZONTAL JOINT REINFORCING @ 16" O.C. VERTICALLY.
- 15. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.
- 16. STRUCTURAL STEEL ROOF FRAMING -- REFER TO STRUCTURAL DRAWINGS.
- 17. REINFORCING -- REFER TO STRUCTURAL DRAWINGS.
- 18. 1 1/2" GALVANIZED METAL ROOF DECK.
- 19. RIGID ROOF INSULATION BOARD (MINIMUM 6" THICKNESS -- TWO LAYERS AND COVERBOARD).
- 20. FULLY ADHERED SINGLE-PLY EPDM ROOFING -- CARRY UP AND OVER FACE OF PARAPET WALL.
- 21. PARAPET WALL BLOCKING -- REFER TO DETAIL 9/A9.14 FOR FURTHER INFORMATION.
- 22. PREFINISHED METAL PARAPET CAP FLASHING WITH CONCEALED CLIP ANCHORS BOTH SIDES (NO EXPOSED FASTENERS).
- 23. 1/2" x 1 1/2" PLASTIC WEEP VENT WITH INSECT SCREEN.
- 24. 2" RIGID BUILDING INSULATION OVER CONTINUOUS VAPOR BARRIER.
- 25. STEEL LINTEL WITH PLATE, PAINT -- REFER TO STRUCTURAL DRAWINGS.
- 26. STEEL ANGLE DECK SUPPORT -- REFER TO STRUCTURAL DRAWINGS.
- 27. 2" PRESERVATIVE TREATED PLYWOOD SHEATHING.
- 28. PRESERVATIVE TREATED WOOD NAILER WITH EXPANSION ANCHORS.
- 29. 2"x4" PRESERVATIVE TREATED WOOD NAILER.
- 30. 1"x4" PRESERVATIVE TREATED WOOD NAILER--CUT TO FIT PROFILE (CONTRACTOR OPTION TO UTILIZE CARLISLE SECREDGE 200 COPING INSTEAD).
- 31. SEALANT (WITH FOAM BACKER ROD AS NECESSARY TO SUIT CONDITIONS).
- 32. COMPRESSIBLE FILLER.
- 33. 5" CONCRETE FROST SLAB - SLOPE AWAY FROM BUILDING MINIMUM 1/2" PER FOOT.
- 34. STAINLESS STEEL METAL DRIP WITH HEMMED EDGE.
- 35. FULLY ADHERED FLEXIBLE MEMBRANE FLASHING WITH END DAMS.
- 36. TERMINATION BAR WITH TOP SEALANT--INSTALL PER MANUFACTURER'S REQUIREMENTS.
- 37. PEA STONE DRAINAGE MATERIAL (MINIMUM 6" HEIGHT).



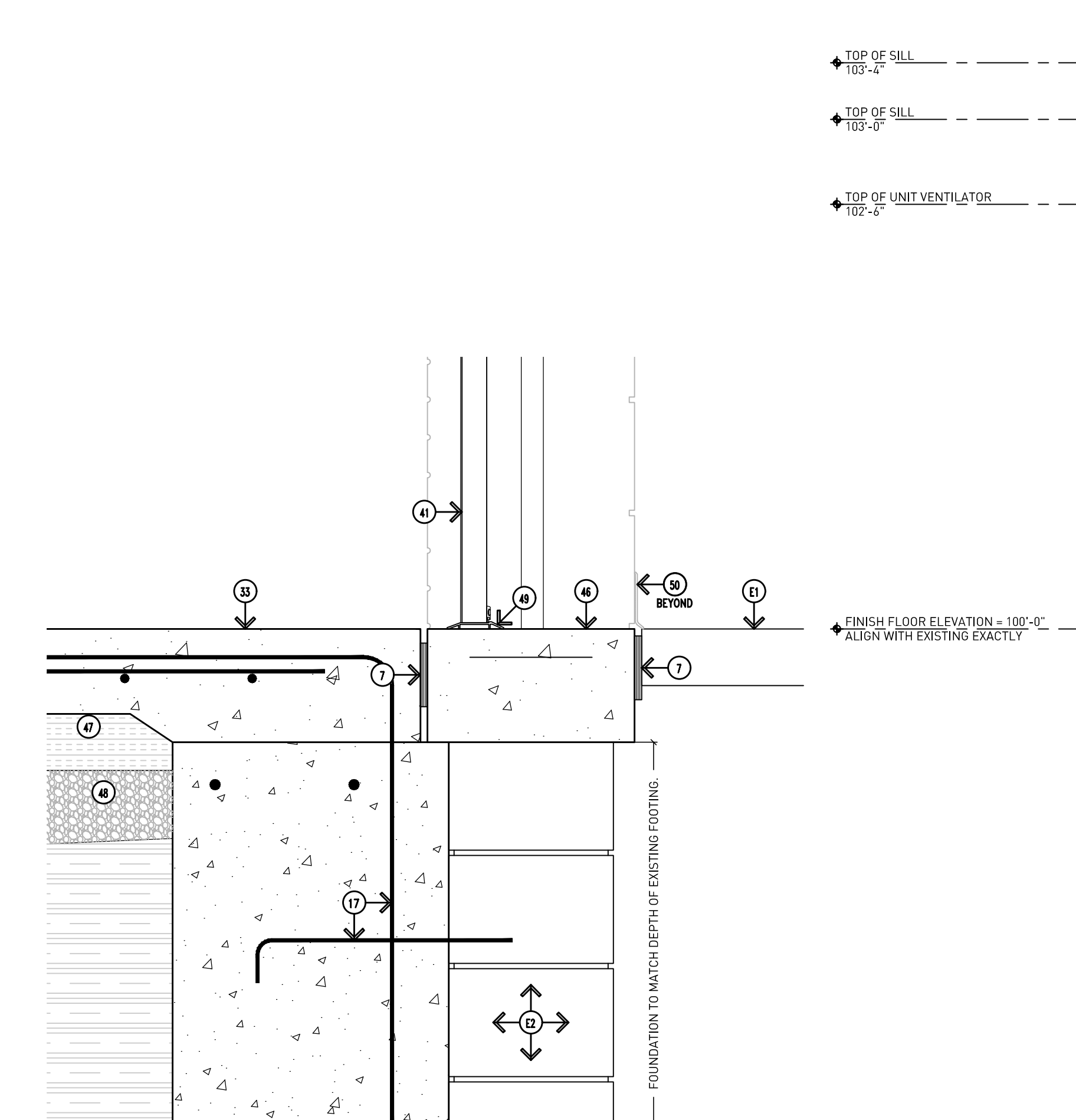
6 Typical Egress Door Head Detail (Area B)
Scale: 1-1/2"=1'-0"



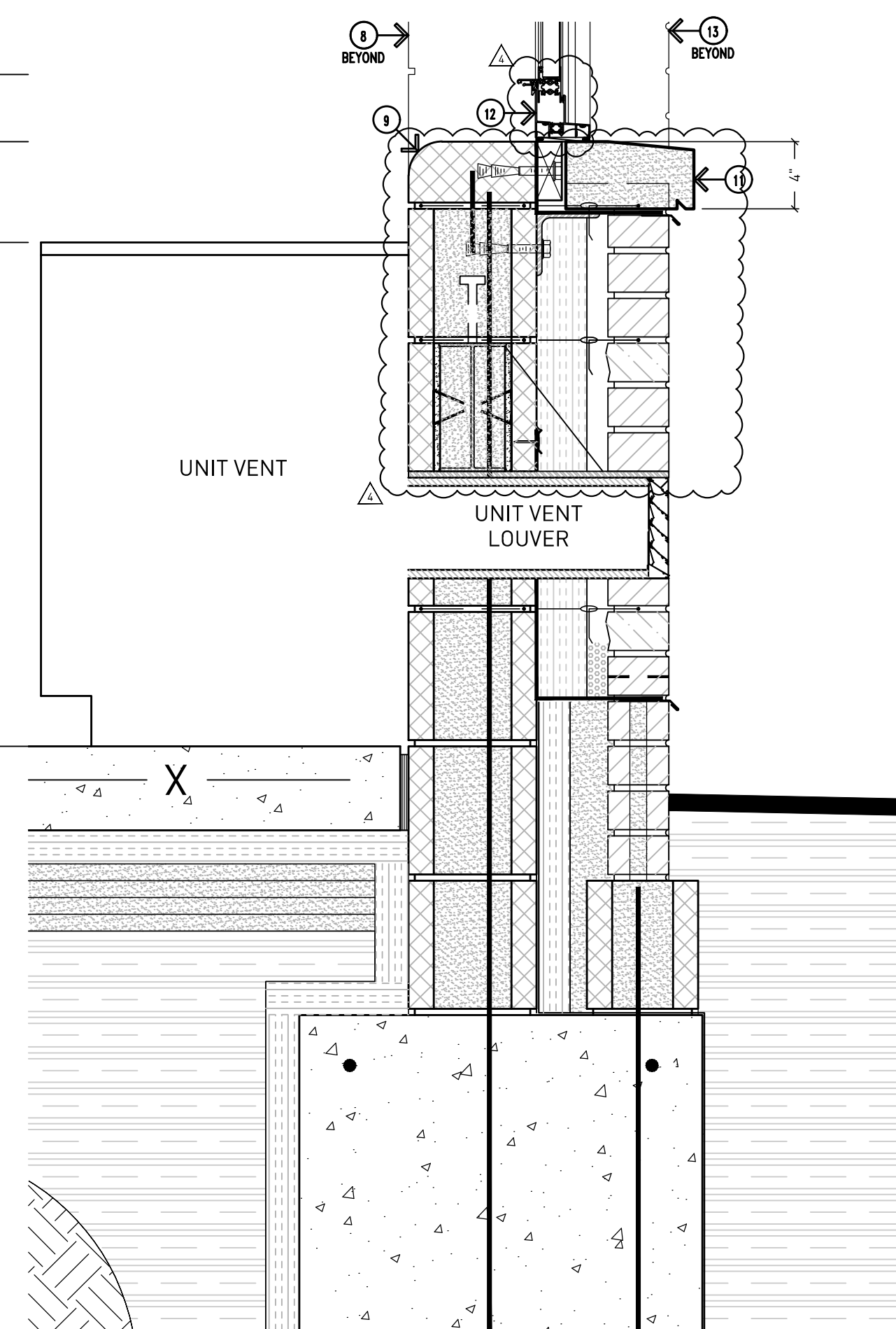
4 Typical Classroom Window Head Detail (Area B)
Scale: 1-1/2"=1'-0"



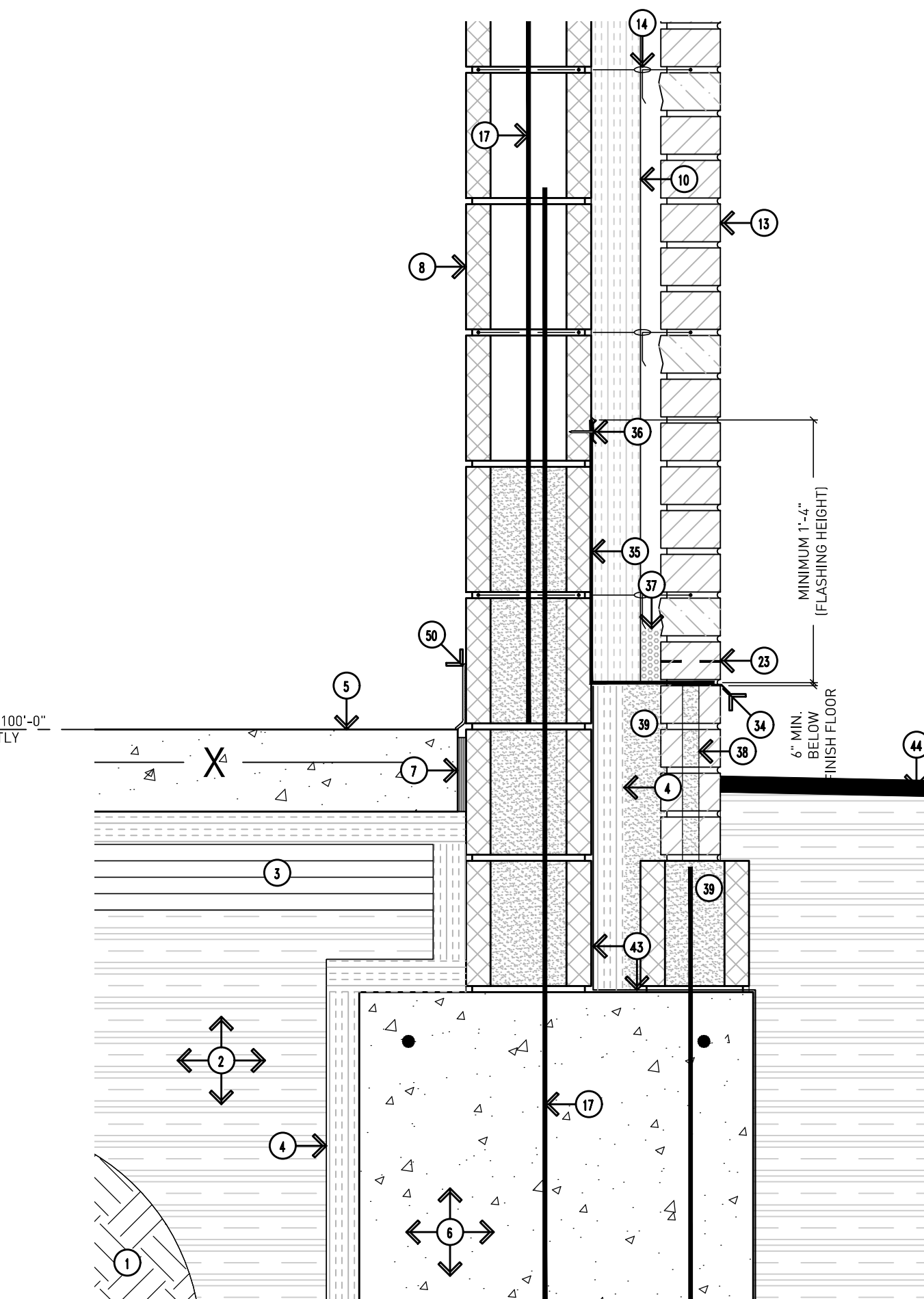
2 Typical Parapet Cap Detail (Area B)
Scale: 1-1/2"=1'-0"



5 Frost Slab/Floor Infill (Area A)
Scale: 1-1/2"=1'-0"
REFER TO 1/A9.10 FOR TYPICAL NOTES



3 Typical Window Sill/Louwer Detail (Area B)
Scale: 1-1/2"=1'-0"
REFER TO 1/A9.10 FOR TYPICAL NOTES



1 Typical Base of Wall (Area B)
Scale: 1-1/2"=1'-0"



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Exterior Details



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

A9.10

DRAWING NOTES (CONT.):

- 46. 1"x4" PRESERVATIVE TREATED WOOD NAILER--CUT TO FIT PROFILE (CONTRACTOR OPTION TO UTILIZE CARLISLE SECUREEDGE 200 COPING INSTEAD).
- 47. SEALANT (WITH FOAM BACKER ROD AS NECESSARY TO SUIT CONDITIONS).
- 48. COMPRESSIBLE FILLER
- 49. 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS ON 3/4" METAL FRAMING @ 16" O.C. ATTACHED TO SUPPORT STRUCTURE ABOVE.

DRAWING NOTES (CONT.):

- 34. DOOR - REFER TO DOOR SCHEDULE.
- 35. FULLY ADHERED SINGLE-PLY EPDM ROOFING -- CARRY UP AND OVER FACE OF PARAPET WALL.
- 36. 1/2" CEMENT PLASTER SOFFIT ON GALVANIZED METAL LATH -- PAINT (COLOR AS SELECTED FROM MANUFACTURER'S STANDARD COLOR RANGE).
- 37. 1/2" CROSS FURRING SPACED PER MANUFACTURER'S RECOMMENDATIONS.
- 38. 2" CRC MAIN RUNNER ATTACHED TO BUILDING STRUCTURE WITH GALVANIZED TIE WIRE (SPACED PER MANUFACTURER'S RECOMMENDATIONS).
- 39. RECESSED LIGHT FIXTURE -- REFER TO ELECTRICAL DRAWINGS.
- 40. 2"x4" PRESERVATIVE TREATED WOOD NAILER.
- 41. PARAPET WALL BLOCKING -- REFER TO DETAIL 9/A9.14 FOR FURTHER INFORMATION.
- 42. UNFINISHED METAL PARAPET CAP FLASHING WITH CONCEALED CLIP ANCHORS BOTH SIDES (NO EXPOSED FASTENERS).
- 43. 2" RIGID BUILDING INSULATION.
- 44. 1/2" PRESERVATIVE TREATED PLYWOOD SHEATHING.
- 45. PRESERVATIVE TREATED WOOD NAILER WITH EXPANSION ANCHORS

GENERAL NOTES:

- 01. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- 02. NOT ALL NOTES ARE APPLICABLE TO THIS SHEET.
- 03. PROVIDE MASONRY ANCHORS @ 16" O.C. VERTICALLY AND HORIZONTALLY.
- 04. PROVIDE NON-COM WOOD BLOCKING BEHIND ALL MISCELLANEOUS TRIM LOCATIONS AND ALL OTHER ATTACHMENT LOCATIONS WHETHER PARTICULARLY SHOWN ON THE DOCUMENTS OR NOT.
- 05. ALL PREFINISHED METAL COPINGS TO BE COMPLETE WITH CONCEALED CLIP ANCHORS ON BOTH SIDES INTO VISIBLE FASTENERS).
- 06. CARRY ROOFING UP AND OVER PARAPET CAP -- TYPICAL.
- 07. PROVIDE CONTINUOUS SPRAY-APPLIED VAPOR BARRIER COVERING FACE OF WALL AND UP AND OVER PARAPET WALL. TERMINATE WITH ROOFING PER MANUFACTURER'S REQUIREMENTS. BARRIER SYSTEM SHALL BE CONTINUOUS AROUND THE ENTIRE BUILDING ENVELOPE AND INCLUDE ALL PROPER TECHNIQUES FOR PENETRATIONS, ETC.
- 08. ALL FLEXIBLE MEMBRANE FLASHING TO BE SECURED TO SUBSTRATE WITH TERMINATION BAR AND SEALANT -- INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- 09. FILL BRICK CORES AND COLLAR JOINTS SOLID BELOW GRADE AND BELOW ALL FLASHINGS.
- 010. PROVIDE STAINLESS STEEL DRIP WITH HEMMED EDGE ABOVE ALL EXTERIOR WINDOW AND DOOR OPENINGS.
- 011. PROVIDE MASONRY WEEP VENTS @ 32" O.C. HORIZONTALLY AT TOP AND BOTTOM OF WALL COMPLETE WITH 3/8" x 1-1/2" PLASTIC WEEP VENT AND FLEXIBLE MEMBRANE FLASHING MIN. 16" UP WALL.
- 012. MASONRY CONTROL JOINTS SHOULD BE SPACED 25'-0" APART MAX. AND SHOULD NOT BE SPACED FURTHER THAN 1.5x THE WALL HEIGHT - REFER TO THE MASONRY INSTITUTE FOR FURTHER INFORMATION.

REMOVAL NOTES:

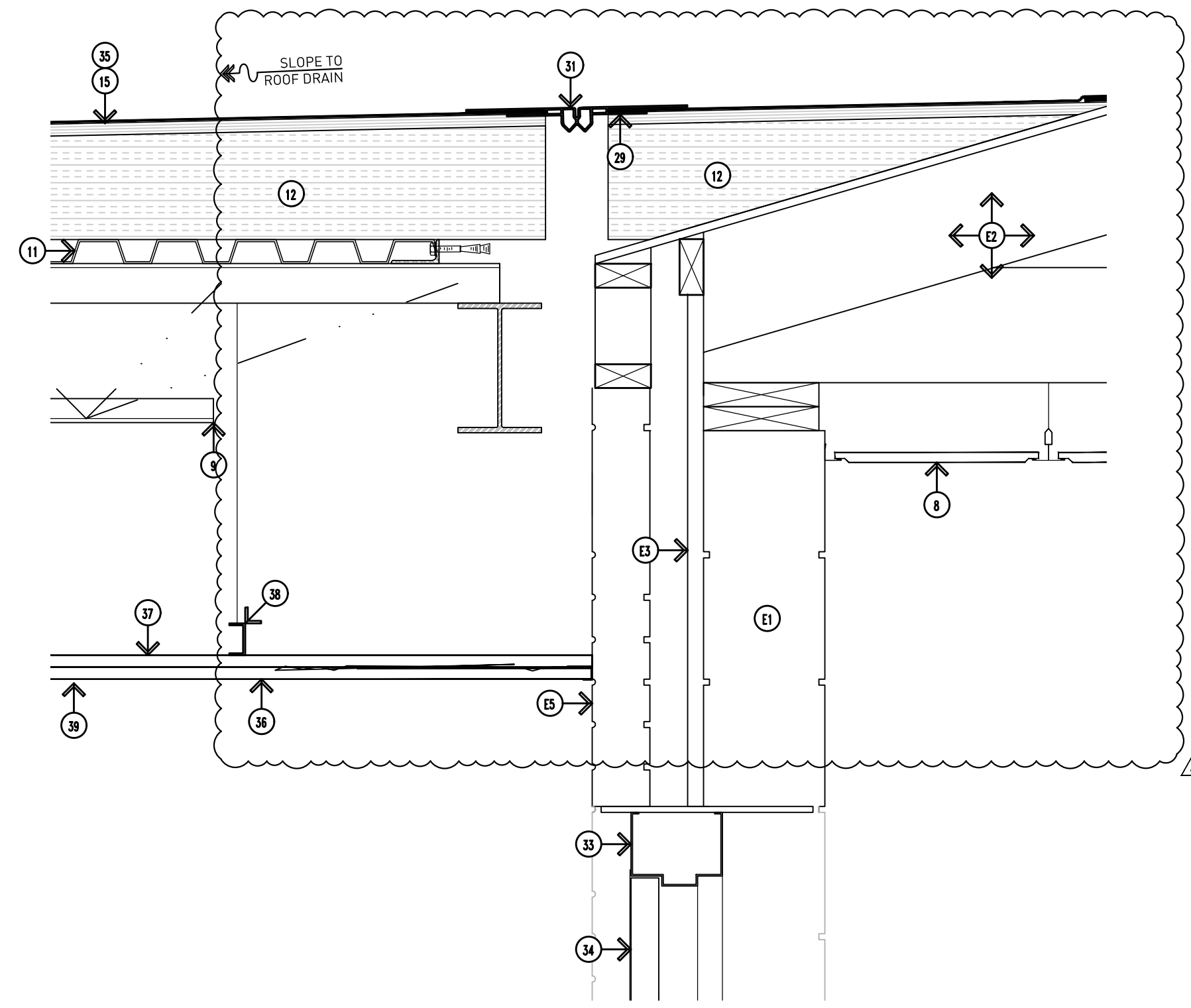
- R1. EXISTING ROOF, SOFFIT, GUTTER, DOWNSPOUT, ETC. AS REQUIRED - E.C.U.

EXISTING TO REMAIN NOTES:

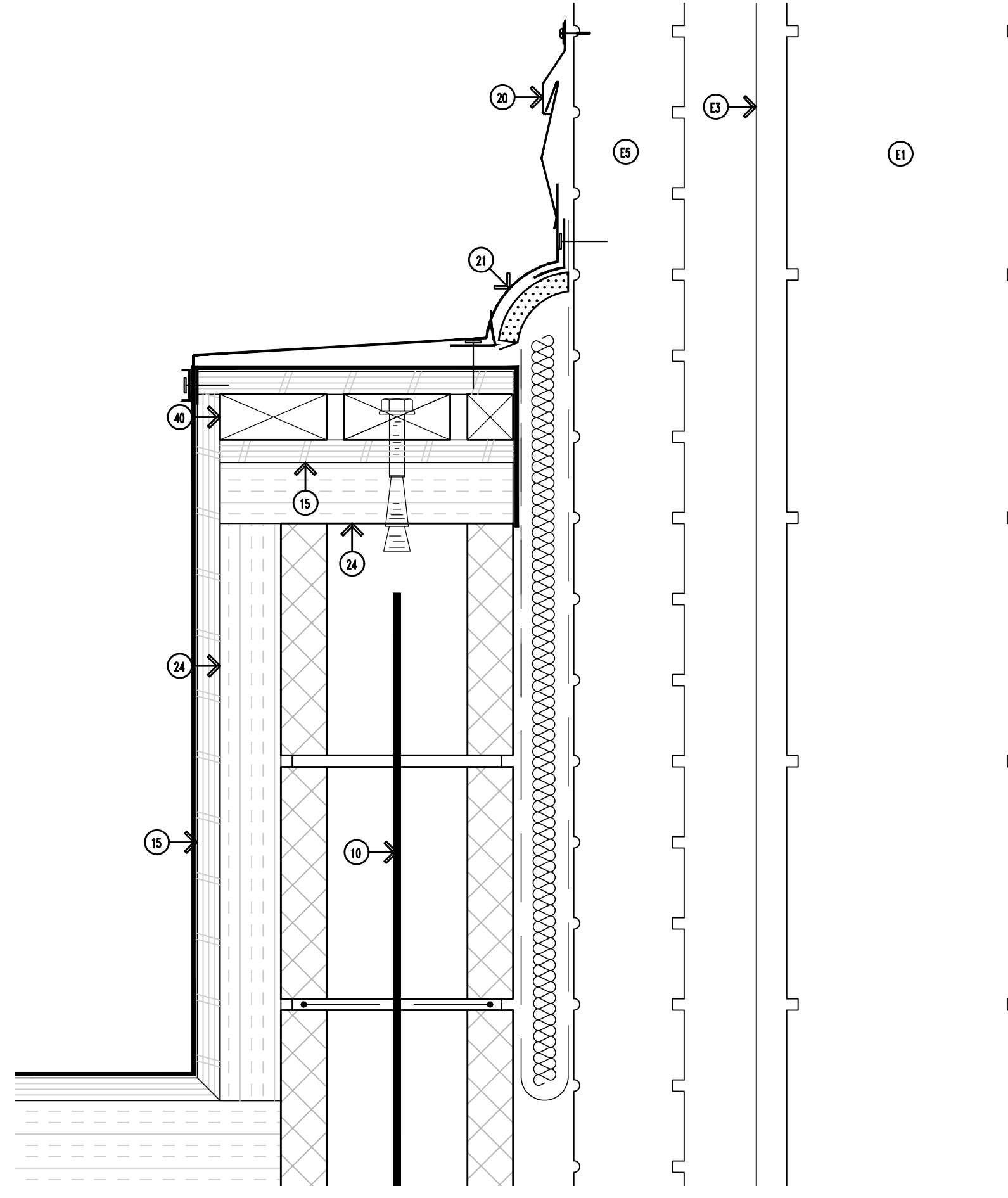
- E1. CMU BLOCK - EXACT CONDITIONS UNKNOWN.
- E2. ROOF, ROOF STRUCTURE, AND ROOF DECK - EXACT CONDITIONS UNKNOWN.
- E3. WALL INSULATION - EXACT CONDITIONS UNKNOWN.
- E4. ROOF INSULATION - EXACT CONDITIONS UNKNOWN. REMOVE WHERE NECESSARY FOR CONSTRUCTION OF NEW WALL.
- E5. BRICK VENEER - EXACT CONDITIONS UNKNOWN.

DRAWING NOTES:

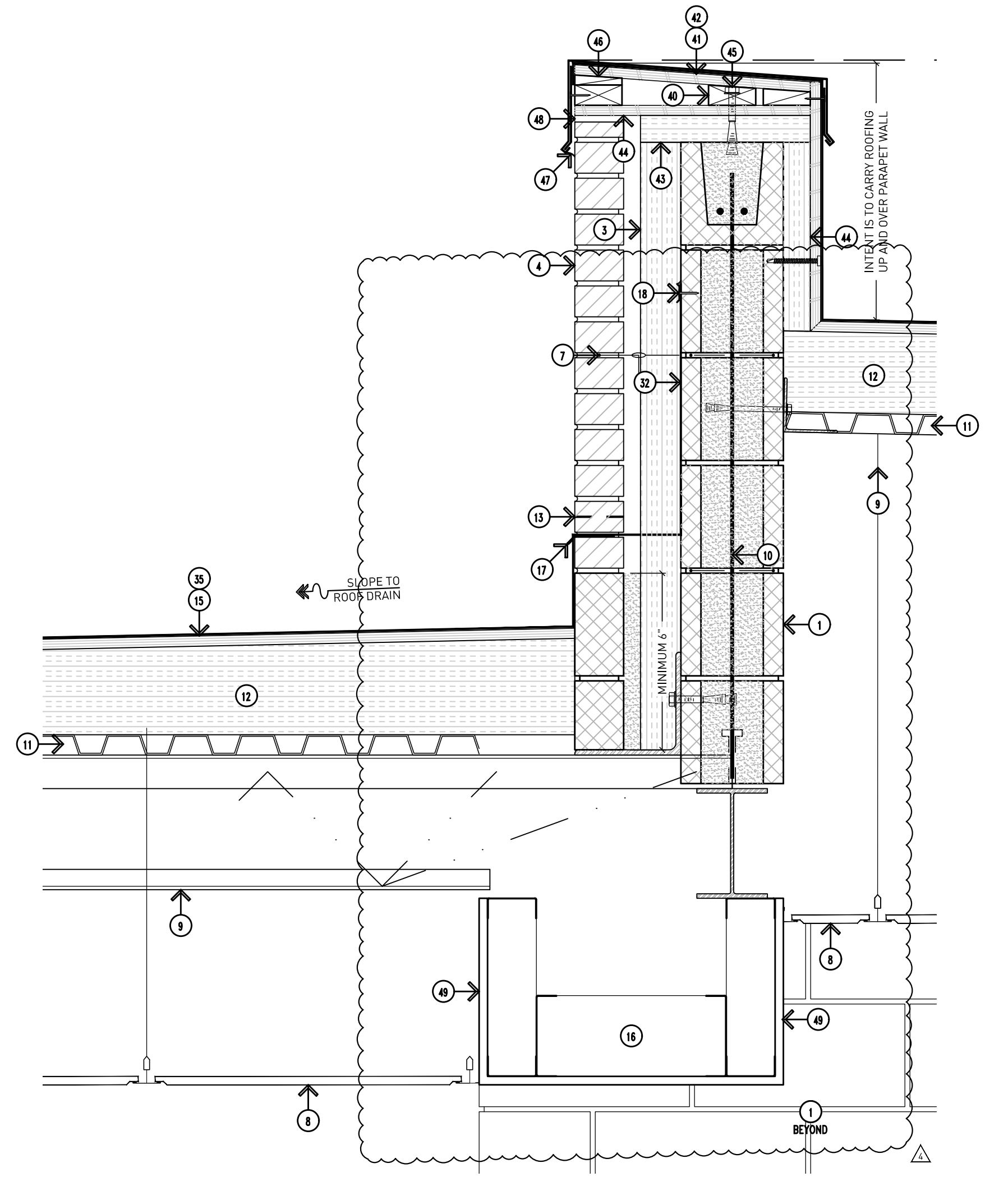
- 1. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW).
- 2. BULLNOSE CMU MASONRY BLOCK.
- 3. 3" SPRAY FOAM BUILDING INSULATION SYSTEM WITH INTEGRAL CONTINUOUS VAPOR BARRIER AND ACCESSORIES AS REQUIRED TO PROVIDE BARRIER FROM FOUNDATION TO ROOFING.
- 4. LIMESTONE WINDOW SILL AND PROFILE TO MATCH EXISTING.
- 5. STOREFRONT FRAMING AND GLAZING -- REFER TO WINDOW SCHEDULE AND DETAILS.
- 6. 4" BRICK VENEER WITH ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY (PROVIDE LENGTH AS REQUIRED DUE TO WALL CAVITY SIZE).
- 7. HORIZONTAL JOINT REINFORCING @ 16" O.C. VERTICALLY.
- 8. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.
- 9. STRUCTURAL STEEL ROOF FRAMING -- REFER TO STRUCTURAL DRAWINGS.
- 10. REINFORCING -- REFER TO STRUCTURAL DRAWINGS.
- 11. 1/2" GALVANIZED METAL ROOF DECK.
- 12. RIGID ROOF INSULATION BOARD (MINIMUM 6" THICKNESS -- TWO LAYERS AND COVERBOARD).
- 13. 1/2" x 1/2" PLASTIC WEEP VENT WITH INSECT SCREEN.
- 14. STEEL LINTEL WITH PLATE, PAINT -- REFER TO STRUCTURAL DRAWINGS.
- 15. 1/2" PRESERVATIVE TREATED PLYWOOD SHEATHING.
- 16. 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS ON 6" METAL FRAMING @ 12" O.C.
- 17. STAINLESS STEEL METAL DRIP WITH HEMMED EDGE.
- 18. TERMINATION BAR WITH TOP SEALANT--INSTALL PER MANUFACTURER'S REQUIREMENTS.
- 19. PEA STONE DRAINAGE MATERIAL (MINIMUM 6" HEIGHT).
- 20. PREFINISHED TWO-PIECE COUNTER FLASHING.
- 21. PARAPET TO WALL JOINT COVER - BELLOWS TYPE, SIZE TO SUIT APPLICATION, INSULATED, 2 HOUR FIRE RATING.
- 22. SHINGLES, SHAKES, SLATE, ETC. BY OTHERS.
- 23. UNDERLAYMENT MAT OF WATER SHEDDING SYSTEM TO BE ABOVE CARLISLE MEMBRANE IN SHINGLE-FASHION, OVERLAP MIN. 6" (15cm).
- 24. CARLISLE FASTENER & SEAM PLATE, MAX. 12" (30cm) O.C.
- 25. 6" (15cm) WIDE PRESSURE- SENSITIVE RUSS AND EPDM PRIMER.
- 26. APPROVED SUBSTRATE.
- 27. ROOF MEMBRANE EXTENDED UNDER THE SHINGLE COURSES.
- 28. SURE-SEAL BONDING ADHESIVE.
- 29. LOWER ROOF JOINT FLAP.
- 30. TOP ROOF JOINT FLAP.
- 31. ROOF JOINT RJ-0200 (BY SIKA EMSEAL).
- 32. FULLY ADHERED FLEXIBLE MEMBRANE FLASHING WITH END DAMS.
- 33. DOOR FRAME - REFER TO DOOR SCHEDULE.



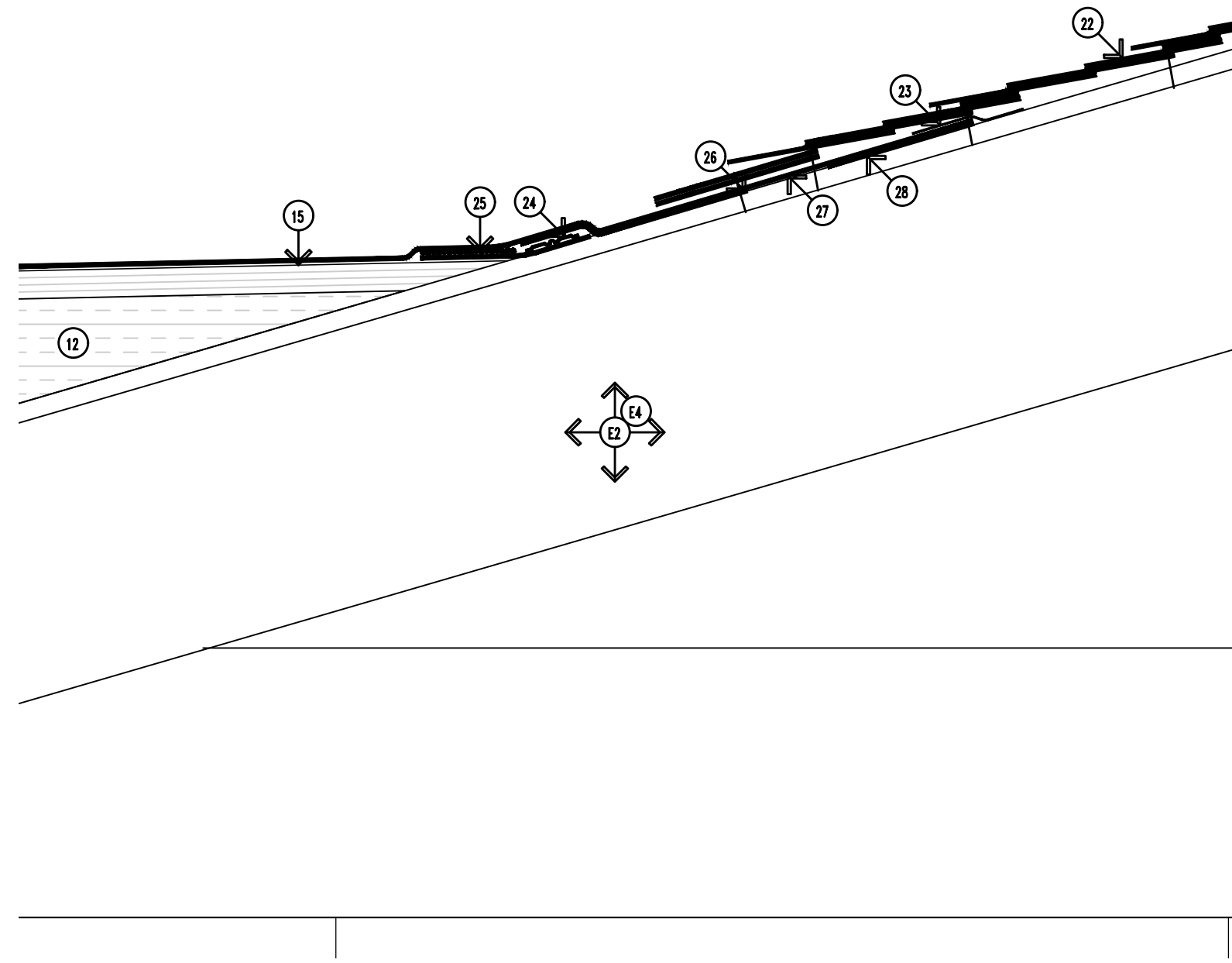
7 Roof Expansion Joint Detail @ Canopy (North/South)
Scale: 3"=1'-0"



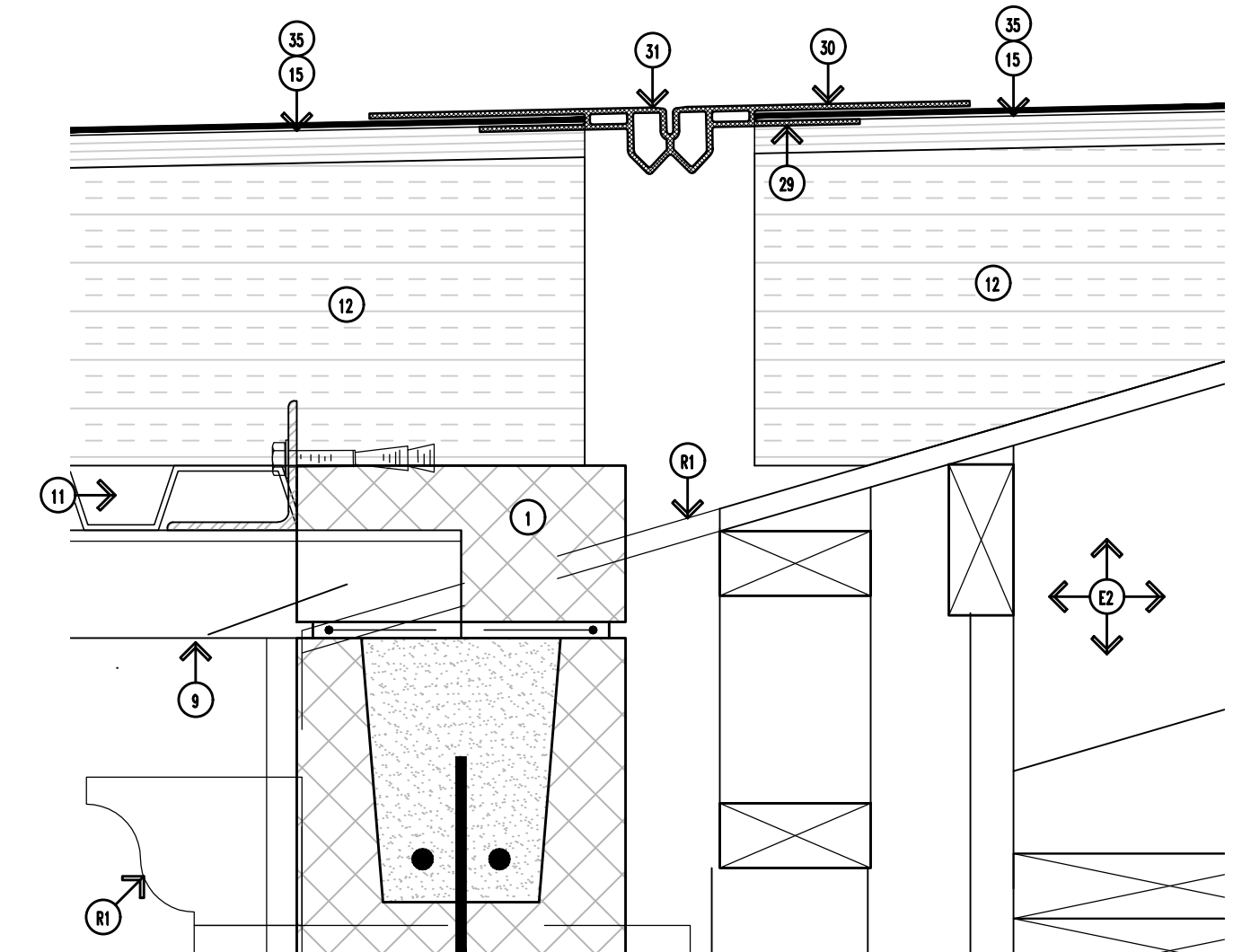
5 Roof Expansion Joint Detail (b)
Scale: 3"=1'-0"



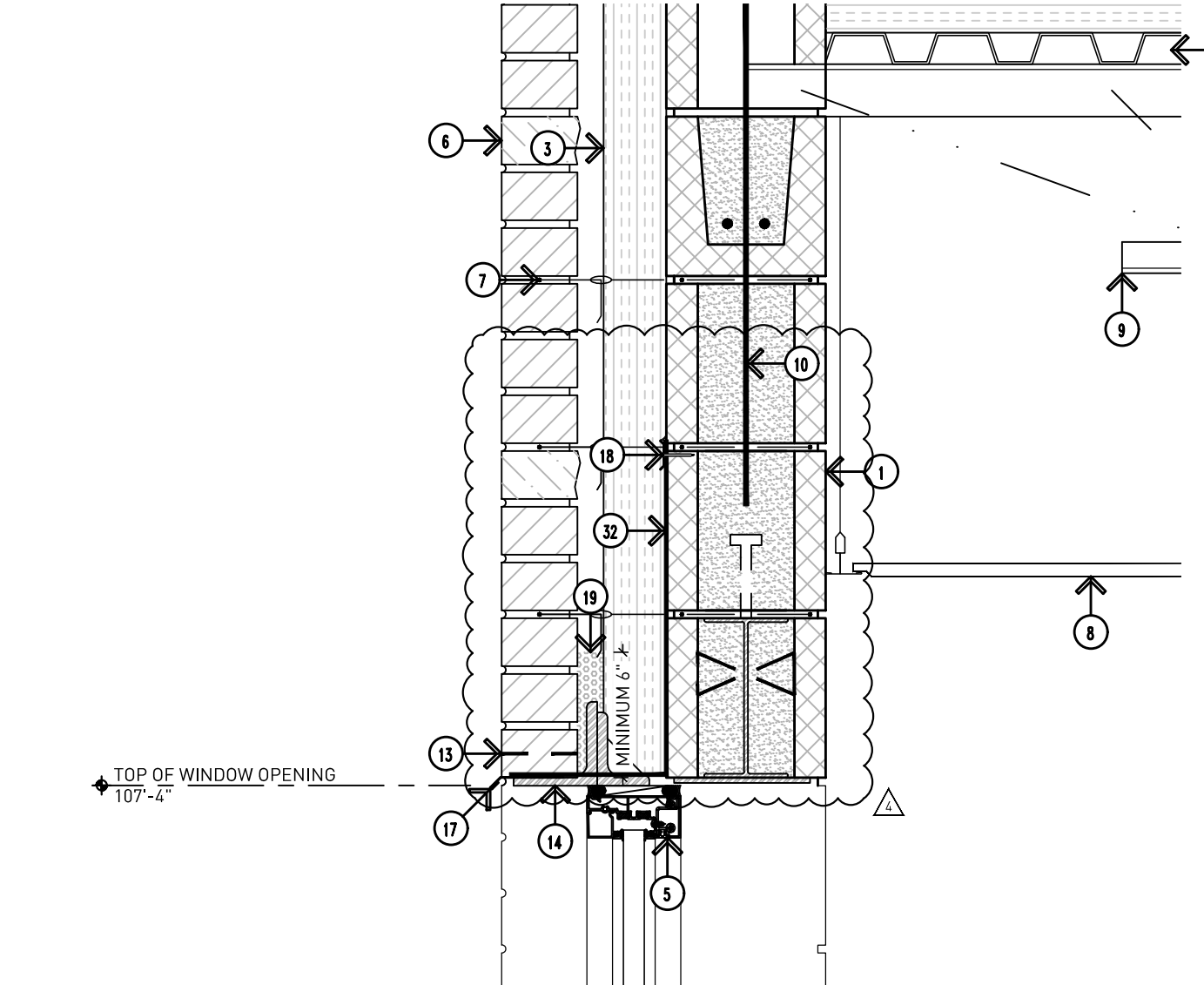
6 Corridor D Soffit Detail
Scale: 3"=1'-0"



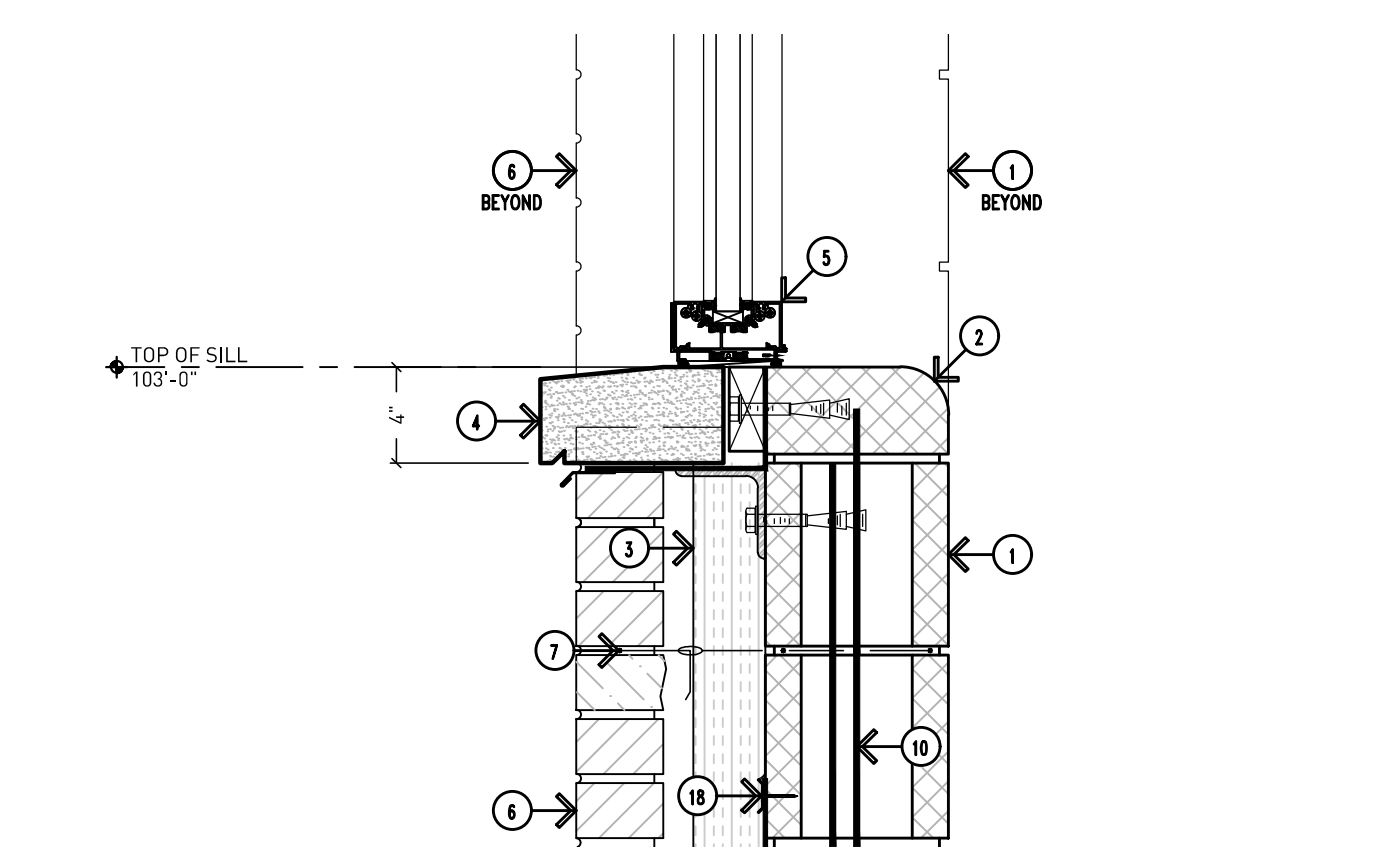
4 EPDM to Asphalt Shingle Expansion Joint Detail
Scale: 3"=1'-0"



3 Roof Expansion Joint Detail (a)
Scale: 3"=1'-0"



2 Typical Corridor Window Head Detail (Area B)
Scale: 1-1/2"=1'-0"



1 Typical Corridor Window Sill Detail (Area B)
Scale: 1-1/2"=1'-0"



Addendum #4: 17 August 2023
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Exterior Details



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

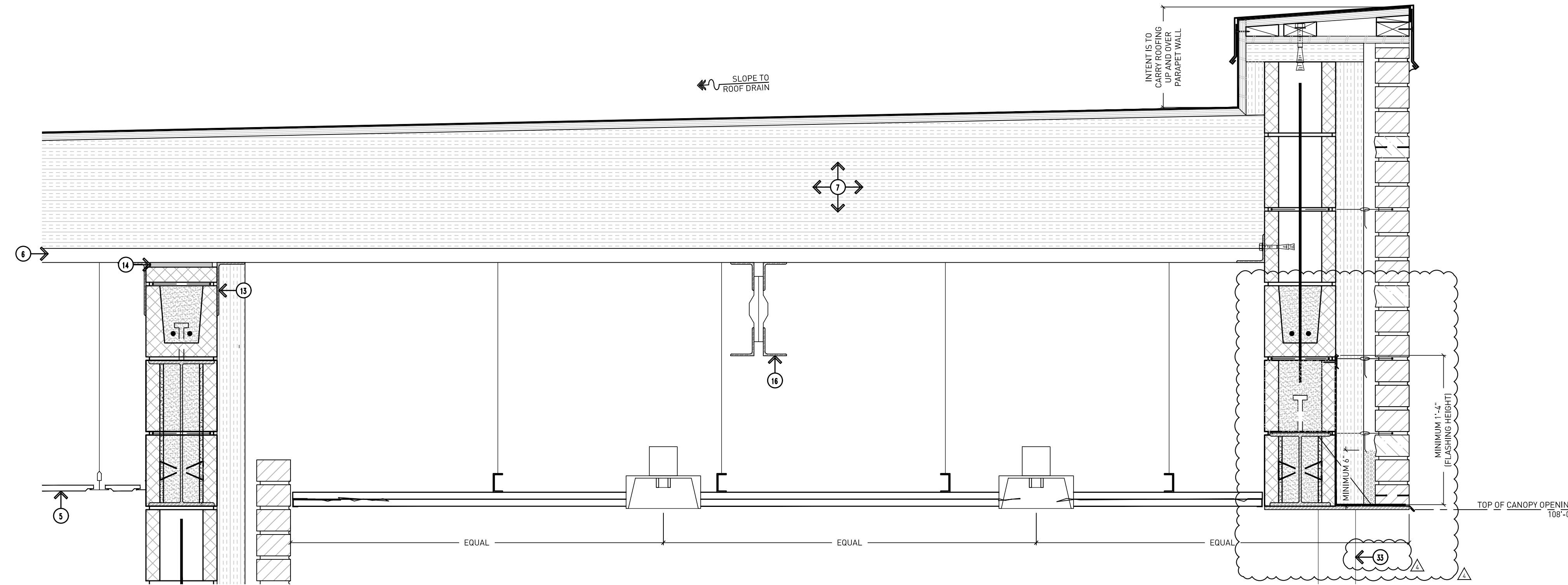
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GENERAL NOTES:

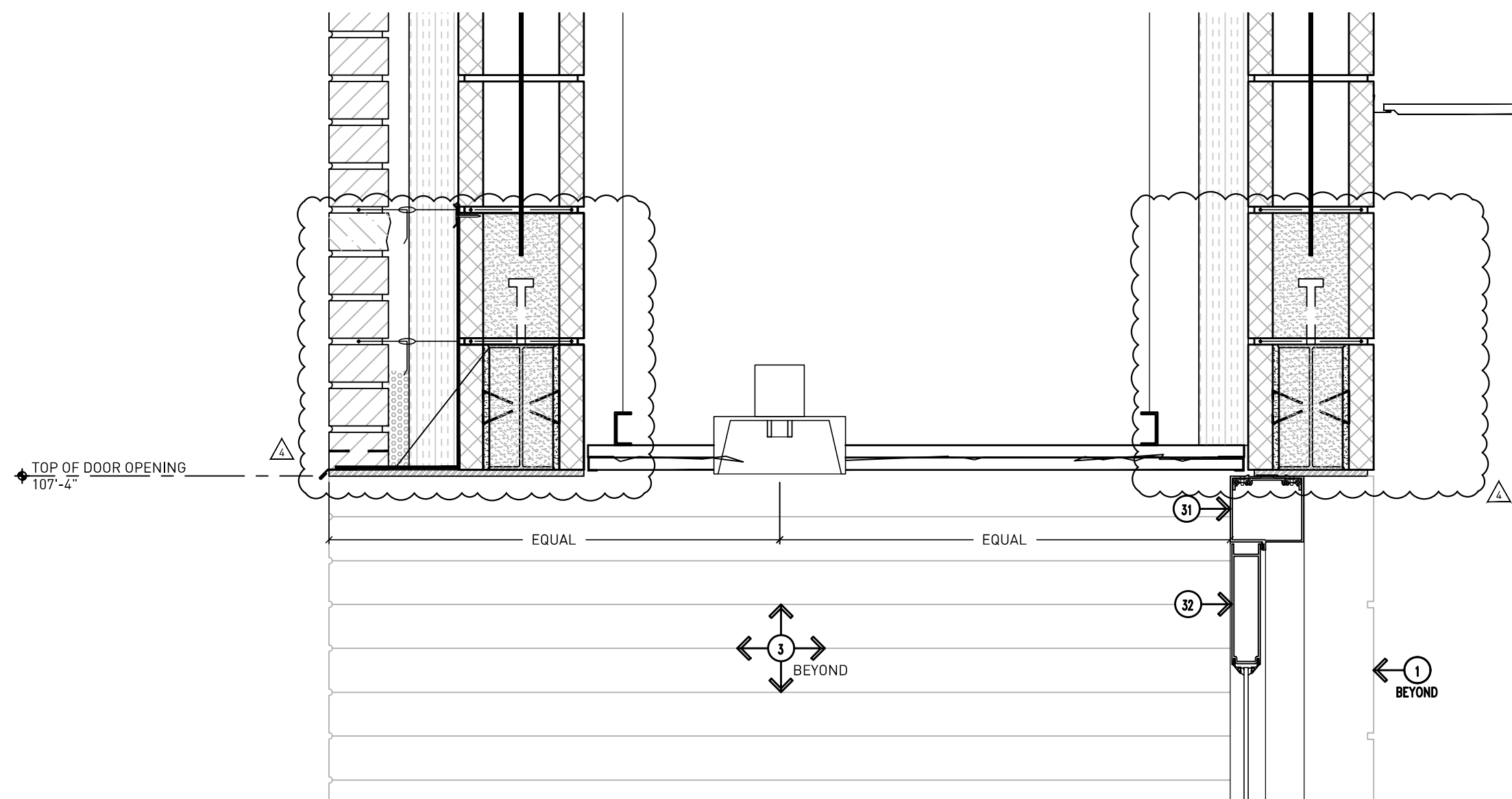
- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. NOT ALL NOTES ARE APPLICABLE TO THIS SHEET.
- G3. PROVIDE MASONRY ANCHORS @ 16" O.C. VERTICALLY AND HORIZONTALLY.
- G4. PROVIDE NON-COM WOOD BLOCKING BEHIND ALL MISCELLANEOUS TRIM LOCATIONS AND ALL OTHER ATTACHMENT LOCATIONS WHETHER PARTICULARLY SHOWN ON THE DOCUMENTS OR NOT.
- G5. ALL PREFINISHED METAL COPING TO BE COMPLETE WITH CONCEALED CLIP ANCHORS ON BOTH SIDING VISIBLE FASTENERS).
- G6. CARRY ROOFING UP AND OVER PARAPET CAP -- TYPICAL.
- G7. PROVIDE CONTINUOUS SPRAY-APPLIED VAPOR BARRIER COVERING FACE OF WALL AND UP AND OVER PARAPET WALL. TERMINATE WITH ROOFING PER MANUFACTURER'S REQUIREMENTS. BARRIER SYSTEM SHALL BE CONTINUOUS AROUND THE ENTIRE BUILDING ENVELOPE AND INCLUDE ALL PROPER TECHNIQUES FOR PENETRATIONS, ETC.
- G8. ALL FLEXIBLE MEMBRANE FLASHING TO BE SECURED TO SUBSTRATE WITH TERMINATION BAR AND SEALANT -- INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- G9. FILL BRICK CORES AND COLLAR JOINTS SOLID BELOW GRADE AND BELOW ALL FLASHINGS.
- G10. PROVIDE STAINLESS STEEL DRIP WITH HEMMED EDGE ABOVE ALL EXTERIOR WINDOW AND DOOR OPENINGS.
- G11. PROVIDE MASONRY WEEP VENTS @ 32" O.C. HORIZONTALLY AT TOP AND BOTTOM OF WALL COMPLETE WITH 3/8" x 1-1/2" PLASTIC WEEP VENT AND FLEXIBLE MEMBRANE FLASHING MIN. 16" UP WALL.
- G12. MASONRY CONTROL JOINTS SHOULD BE SPACED 25'-0" APART MAX. AND SHOULD NOT BE SPACED FURTHER THAN 1.5x THE WALL HEIGHT - REFER TO THE MASONRY INSTITUTE FOR FURTHER INFORMATION.

DRAWING NOTES:

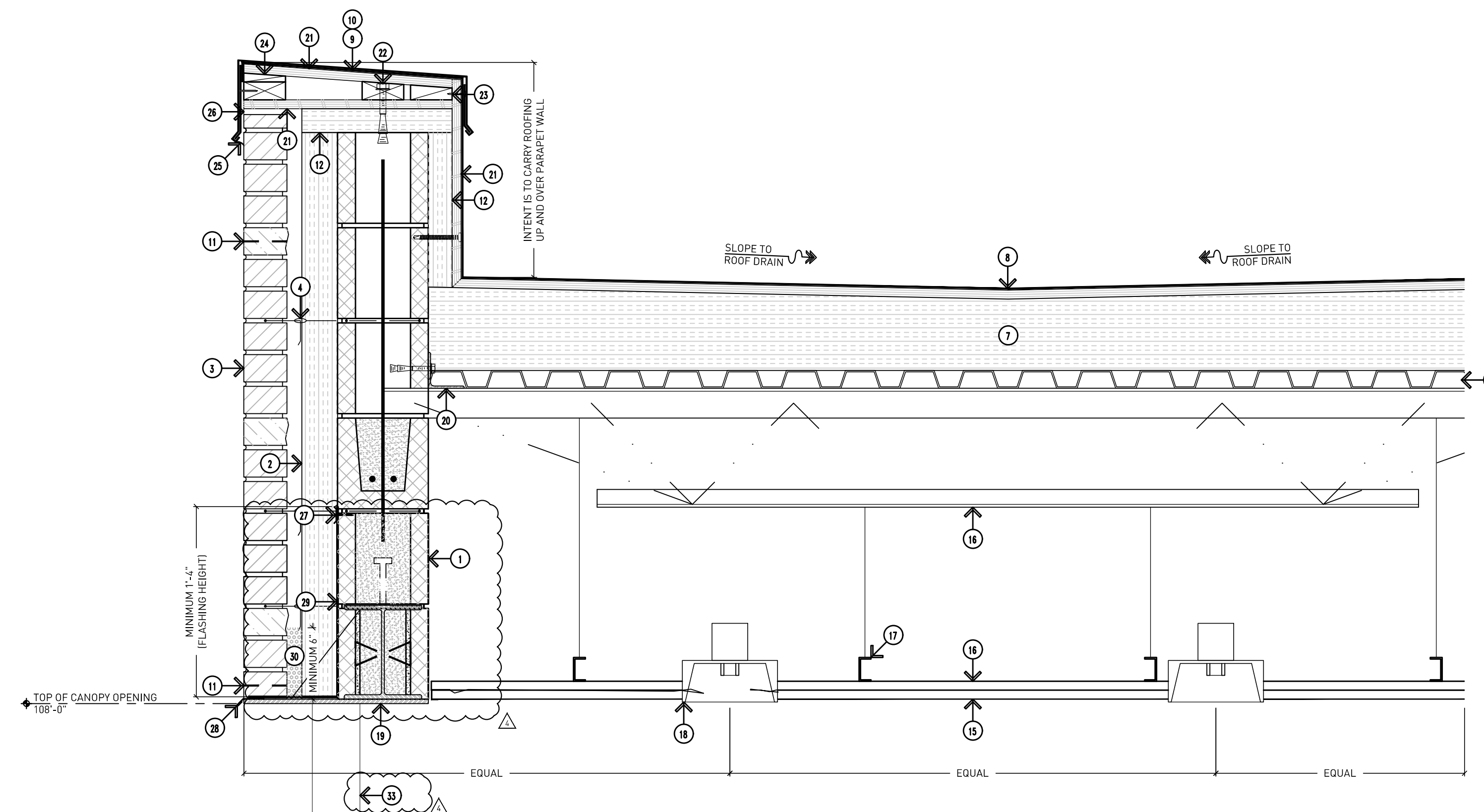
1. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW).
2. 3" SPRAY FOAM BUILDING INSULATION SYSTEM WITH INTEGRAL CONTINUOUS VAPOR BARRIER AND ACCESSORIES AS REQUIRED TO PROVIDE BARRIER FROM FOUNDATION TO ROOFING.
3. 4" BRICK VENEER WITH ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY (PROVIDE LENGTH AS REQUIRED DUE TO WALL CAVITY SIZE).
4. HORIZONTAL JOINT REINFORCING @ 16" O.C. VERTICALLY.
5. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.
6. 1/2" GALVANIZED METAL ROOF DECK.
7. RIGID ROOF INSULATION BOARD (MINIMUM 6" THICKNESS -- TWO LAYERS AND COVERBOARD).
8. FULLY ADHERED SINGLE-PLY EPDM ROOFING -- CARRY UP AND OVER FACE OF PARAPET WALL.
9. PARAPET WALL BLOCKING -- REFER TO DETAIL 9/A9.14 FOR FURTHER INFORMATION.
10. PREFINISHED METAL PARAPET CAP FLASHING WITH CONCEALED CLIP ANCHORS BOTH SIDES (NO EXPOSED FASTENERS).
11. 2" x 1/2" PLASTIC WEEP VENT WITH INSECT SCREEN.
12. 2" RIGID BUILDING INSULATION.
13. STEEL ANGLE WALL BRACE -- REFER TO STRUCTURAL FOR FURTHER INFORMATION.
14. FILL VOID WITH COMPRESSIBLE FILLER MATERIAL FOR ALLOW FOR MINIMUM 1" ROOF DEFLECTION.
15. 2" CEMENT PLASTER SOFFIT ON GALVANIZED METAL LATH -- PAINT (COLOR AS SELECTED FROM MANUFACTURER'S STANDARD COLOR RANGE).
16. 2" CROSS FURRING SPACED PER MANUFACTURER'S RECOMMENDATIONS.
17. 2" O/C MAIN RUNNER ATTACHED TO BUILDING STRUCTURE WITH GALVANIZED TIE WIRE (SPACED PER MANUFACTURER'S RECOMMENDATIONS).
18. RECESSED LIGHT FIXTURE -- REFER TO ELECTRICAL DRAWINGS.
19. STEEL LINTEL WITH PLATE, PAINT -- REFER TO STRUCTURAL DRAWINGS.
20. STEEL ANGLE DECK SUPPORT -- REFER TO STRUCTURAL DRAWINGS.
21. 2" PRESERVATIVE TREATED PLYWOOD SHEATHING.
22. PRESERVATIVE TREATED WOOD NAILER WITH EXPANSION ANCHORS.
23. 2"x4" PRESERVATIVE TREATED WOOD NAILER.
24. 1"x4" PRESERVATIVE TREATED WOOD NAILER--CUT TO FIT PROFILE (CONTRACTOR OPTION TO UTILIZE CARLISLE SECUREDDGE 200 COPING INSTEAD).
25. SEALANT (WITH FOAM BACKER ROD AS NECESSARY TO SUIT CONDITIONS).
26. COMPRESSIBLE FILLER.
27. TERMINATION BAR WITH TOP SEALANT--INSTALL PER MANUFACTURER'S REQUIREMENTS.
28. STAINLESS STEEL METAL DRIP WITH HEMMED EDGE.
29. FULLY ADHERED FLEXIBLE MEMBRANE FLASHING WITH END DAMS.
30. PEA STONE DRAINAGE MATERIAL (MINIMUM 6" HEIGHT).
31. DOOR FRAME - REFER TO DOOR SCHEDULE.
32. DOOR - REFER TO DOOR SCHEDULE.
33. PAINTED STRUCTURAL COLUMN AT CANOPY - REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.



3 Canopy Detail - East/West (Area A)
Scale: 1-1/2"=1'-0"
REFER TO 1/A9.12 FOR TYPICAL NOTES



2 Ext. Recessed Door Head Detail - East/West (Area B)
Scale: 1-1/2"=1'-0"
REFER TO 1/A9.12 FOR TYPICAL NOTES



1 Canopy Detail - North/South (Area A)
Scale: 1-1/2"=1'-0"



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Exterior Details



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

A9.12

GENERAL NOTES:

- G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.
- G2. NOT ALL NOTES ARE APPLICABLE TO THIS SHEET.
- G3. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS WHERE NEW BUILDING IS TYING INTO THE EXISTING.

EXISTING TO REMAIN NOTES:

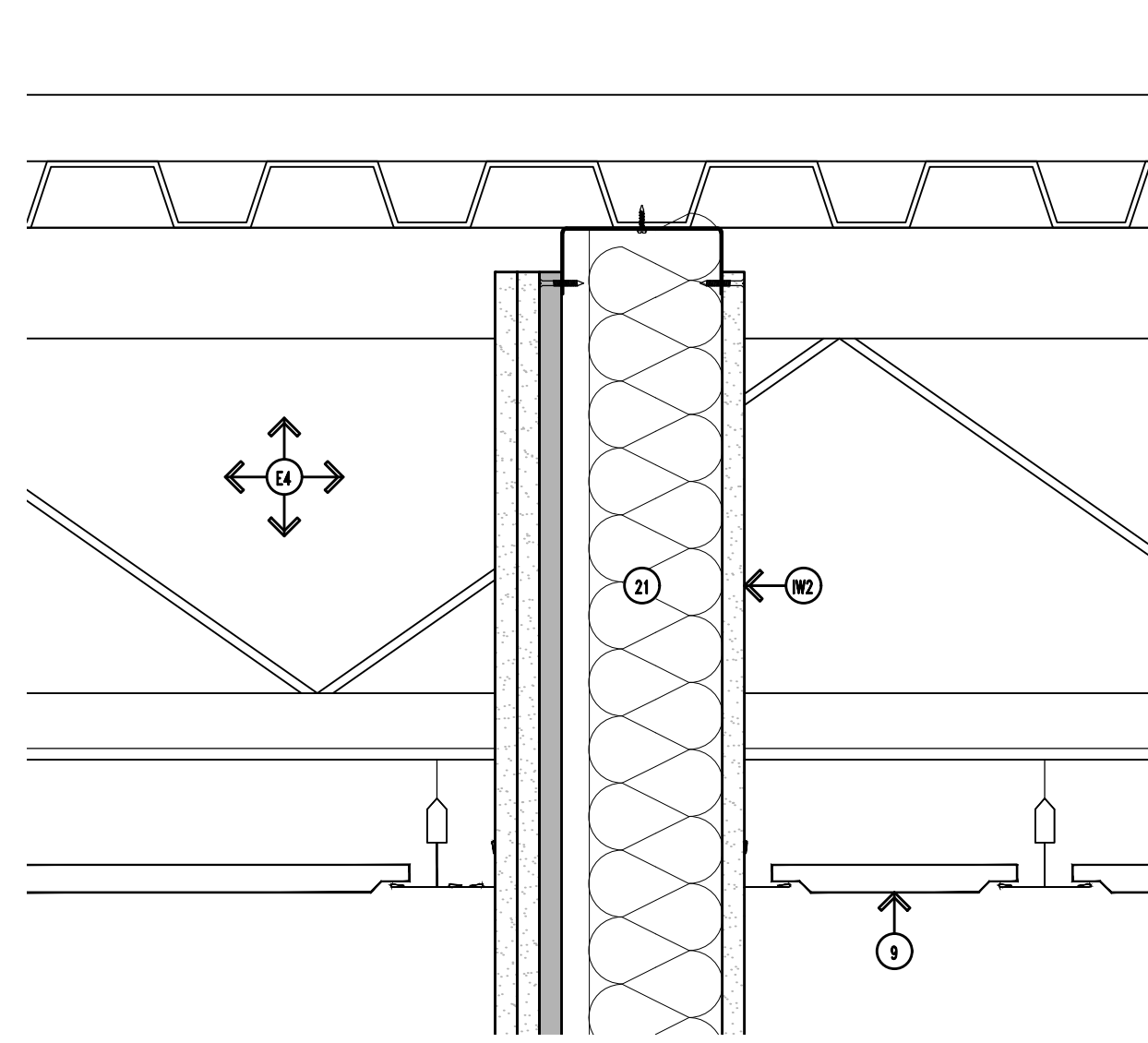
- E1. CONCRETE FLOOR SLAB - EXACT CONDITIONS UNKNOWN.
- E2. CMU BLOCK - EXACT CONDITIONS UNKNOWN.
- E3. BRICK VENEER - EXACT CONDITIONS UNKNOWN.
- E4. ROOF, ROOF STRUCTURE, AND ROOF DECK - EXACT CONDITIONS UNKNOWN.
- E5. STRUCTURAL FOOTING - EXACT CONDITIONS UNKNOWN.
- E6. UNDISTURBED SOIL - EXACT CONDITIONS UNKNOWN.
- E7. LIMESTONE - EXACT CONDITIONS UNKNOWN.

DRAWING NOTES:

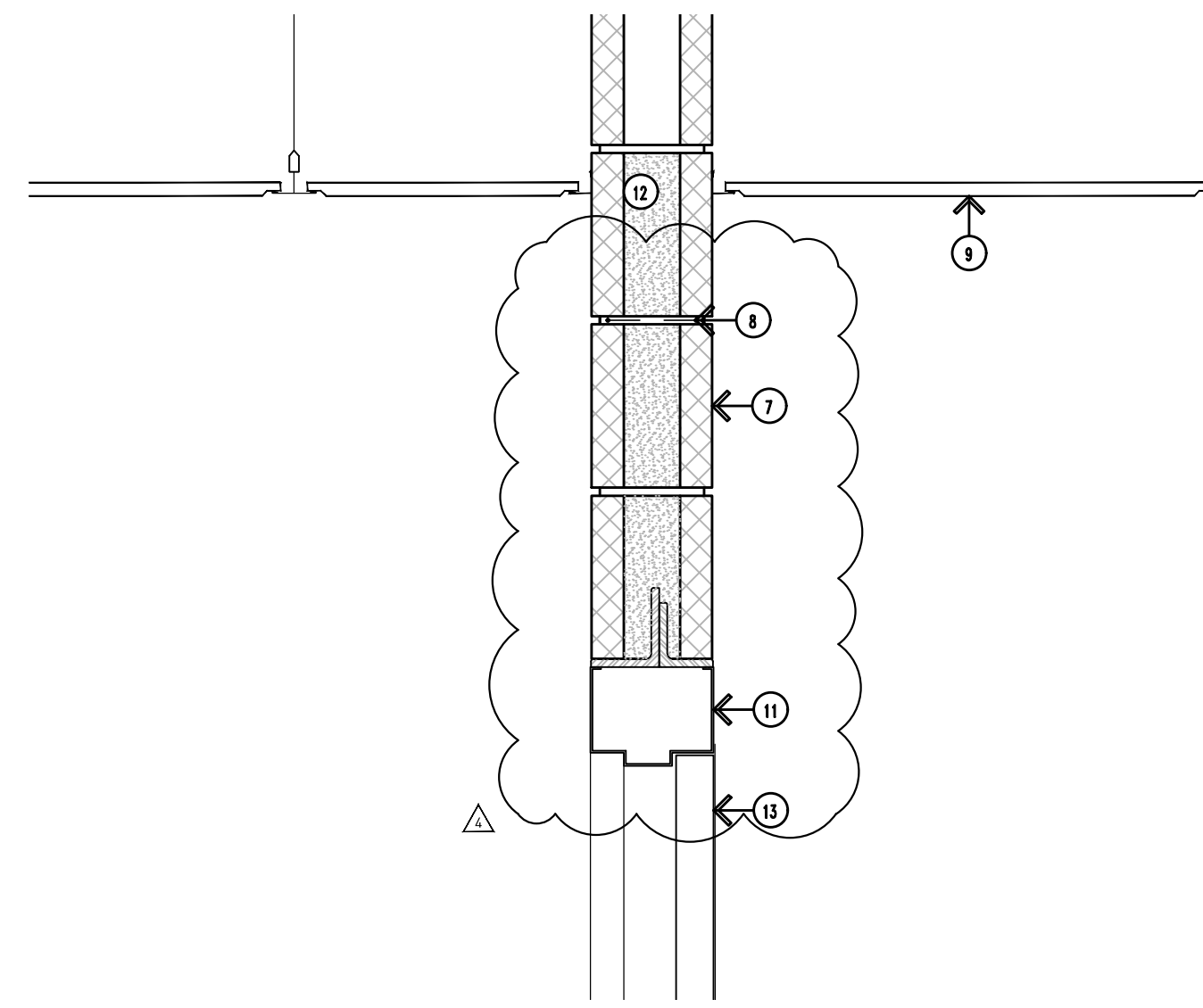
- 1. PROPERLY COMPACTED EXISTING SUBGRADE.
- 2. COMPACTED ENGINEERED FILL AS REQUIRED AFTER REMOVAL OF EXISTING LAWN / UNSUITABLE SOILS AS REQUIRED FOR PROPER SLAB ELEVATION.
- 3. COMPACTED SAND CUSHION BASE (MINIMUM 4").
- 4. CONCRETE FLOOR SLAB OVER 15 MIL VAPOR BARRIER -- PROPERLY LAP AND SEAL JOINTS PER MANUFACTURER'S REQUIREMENTS.
- 5. CONCRETE FOUNDATION -- REFER TO STRUCTURAL DRAWINGS.
- 6. 1/2" PREMOLDED EXPANSION JOINT WITH SEALANT.
- 7. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW).
- 8. HORIZONTAL JOINT REINFORCING @ 16" O.C. VERTICALLY.
- 9. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.
- 10. REINFORCING -- REFER TO STRUCTURAL DRAWINGS.
- 11. DOOR FRAME -- REFER TO DOOR SCHEDULE.
- 12. GROUT CMU SOLID.
- 13. DOOR -- REFER TO DOOR SCHEDULE.
- 14. SEALANT (WITH FOAM BACKER ROD AS NECESSARY TO SUIT CONDITIONS.)
- 15. GROUT CMU CORES SOLID BELOW FLASHING AT WHERE BELOW GRADE.
- 16. JAMB ANCHOR TO SUIT CONDITIONS.
- 17. GROUT FILLED DOOR FRAME.
- 18. CUBBIES -- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
- 19. OUTLINE OF PORTABLE FIRE EXTINGUISHER.
- 20. RECESSED FIRE EXTINGUISHER CABINET WITH 5/16" FLAT TRIM.
- 21. CONTINUOUS METAL STUD FRAMING--REFER TO INTERIOR WALL TAG DESIGNATIONS FOR SIZING, GAUGE, ETC.
- 22. 3/8" x 4" EXPANSION ANCHORS @ 48" O.C. OR EQUAL STRENGTH POWERED FASTENERS, MINIMUM 2" EMBEDMENT INTO CONCRETE FLOOR SLAB.
- 23. WALL BASE--REFER TO FINISH SCHEDULE.
- 24. 3/8" EPOXY DOWEL INTO EXISTING CONCRETE FLOOR SLAB @ 36" O.C. STAGGERED.
- 25. PLUMBING PIPING. REFER TO MECHANICAL DRAWINGS FOR SIZE AND MATERIAL.

INTERIOR WALL TAGS:

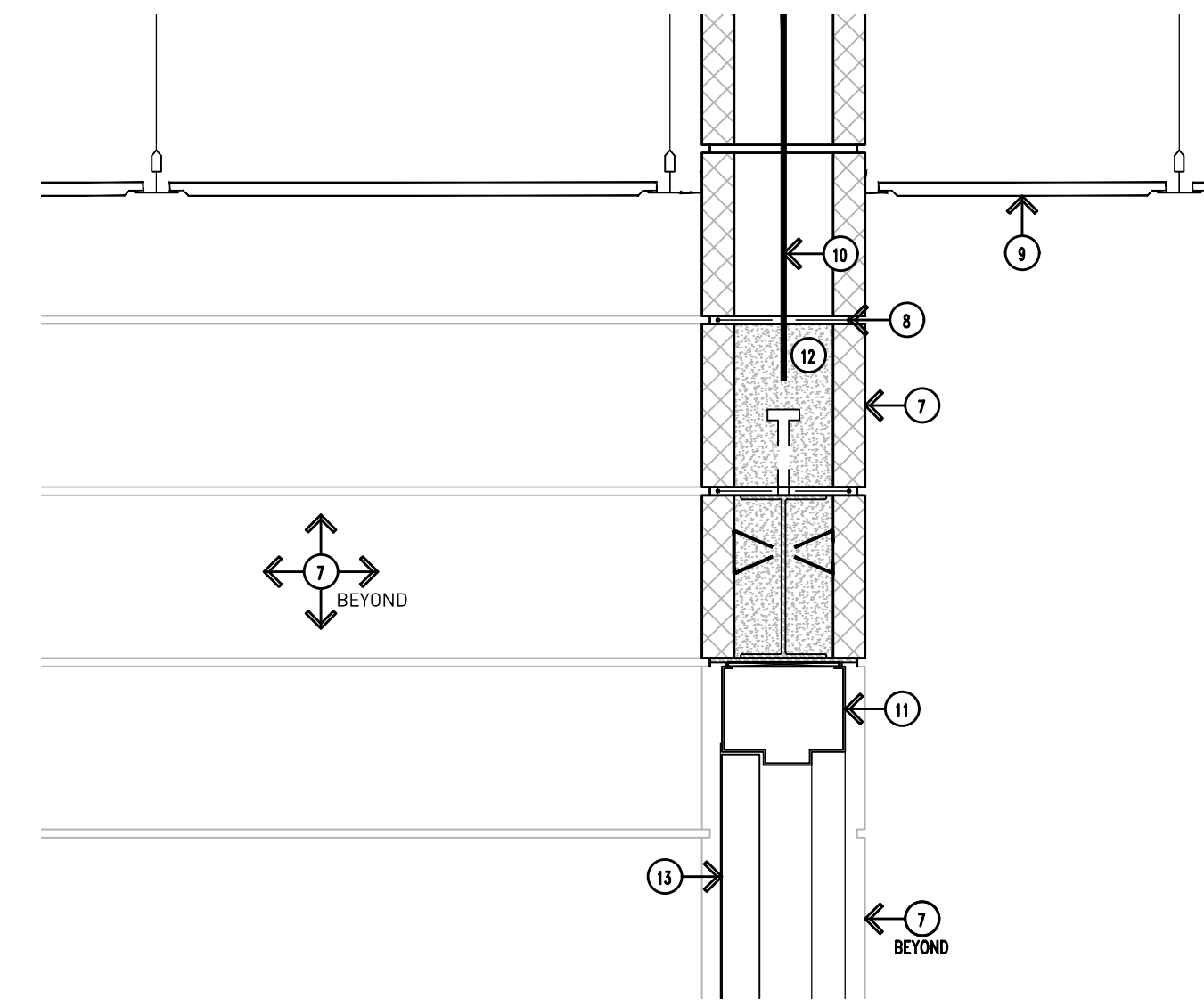
- IW1. TYPICAL METAL STUD WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTS TO U/S OF ROOF DECK.
 - 5/8" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
- IW2. METAL STUD SOUND ACOUSTIC WALL - TEST NUMBER RAL-TL-84-136
 - 1/2" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK.
 - GYPSUM SCREWS ATTACHED TO STUDS.
 - 3-5/8" METAL STUD FRAMING AT 16" O.C TO U/S OF ROOF DECK. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" SOUND ATTENUATION BATTS TO U/S OF ROOF DECK.
 - RC-1 CHANNEL INSTALLED ON ONE SIDE @ 24" O.C.
 - TWO (2) LAYERS 1/2" GYPSUM BOARD TAPED AND FINISHED THREE (3) COATS TO UNDERSIDE OF ROOF DECK. GYPSUM SCREWS ATTACHED TO RC-1 CHANNEL.
 - ACOUSTIC SEALANT AT TOP AND BOTTOM OF WALLS AND AT ALL PENETRATIONS.
- IW3. METAL STUD FIRE BARRIER 2 HOUR FIRE-RATED CONSTRUCTION. UL DES U419 OR U491.
 - 3/4" SHEETROCK ULTRACORE CORE GYPSUM PANEL TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK OR ADJACENT CMU WALL.
 - 3-1/2" 25 GA. METAL STUD FRAMING AT 24" O.C TO U/S OF ROOF DECK OR ADJACENT CMU WALL. PROVIDE SLIP TRACK TOP TRACK TO ALLOW FOR 1 1/2" ROOF DEFLECTION.
 - MINIMUM 3" THERMAFIBER SAFB TO U/S OF ROOF DECK.
 - 3/4" SHEETROCK ULTRACORE CORE GYPSUM PANEL TAPED AND FINISHED THREE (3) COATS TO U/S OF ROOF DECK OR ADJACENT CMU WALL.



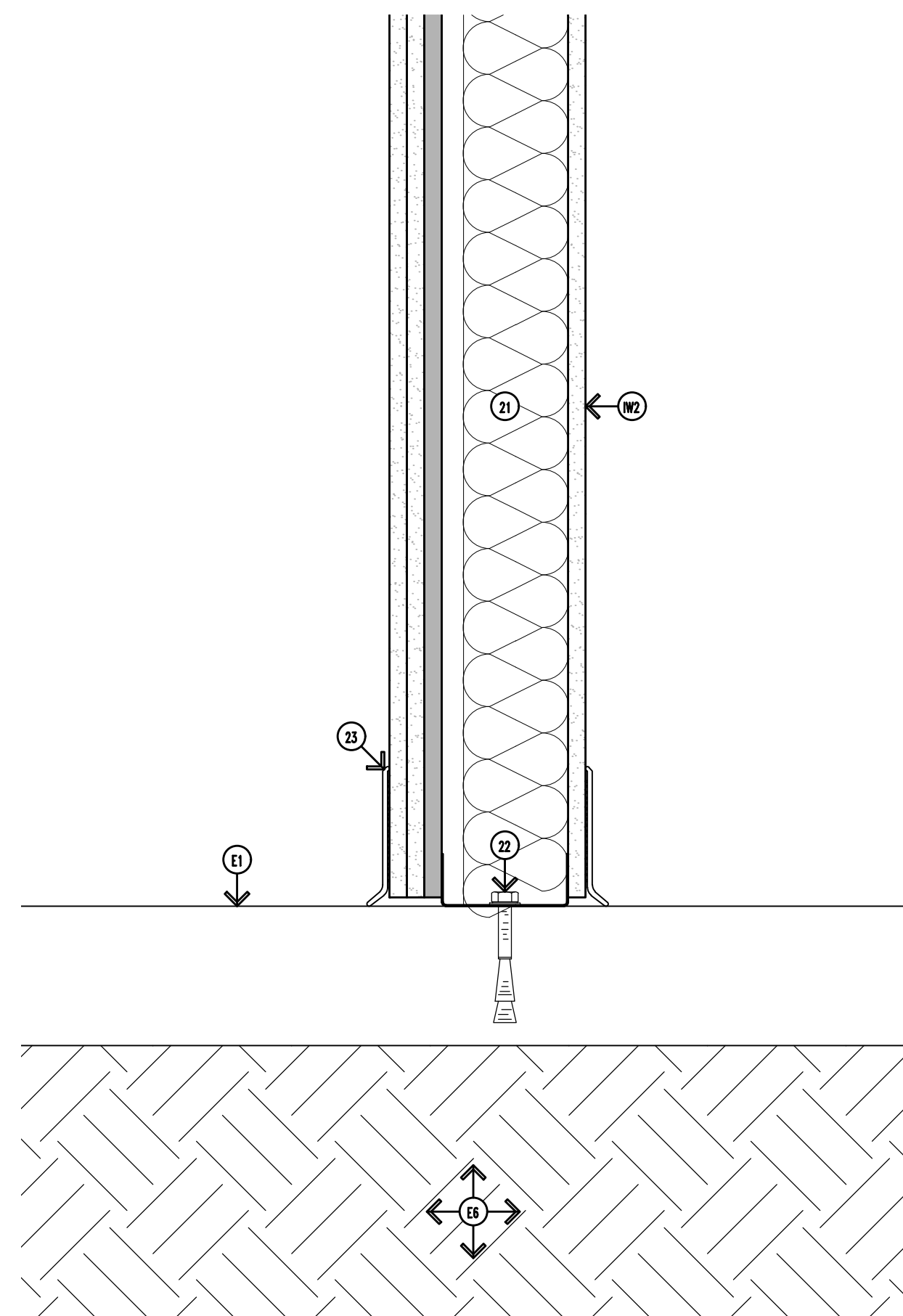
6 Typical Sound Dampening Wall - Top of Wall
Scale: 3"-1'-0"



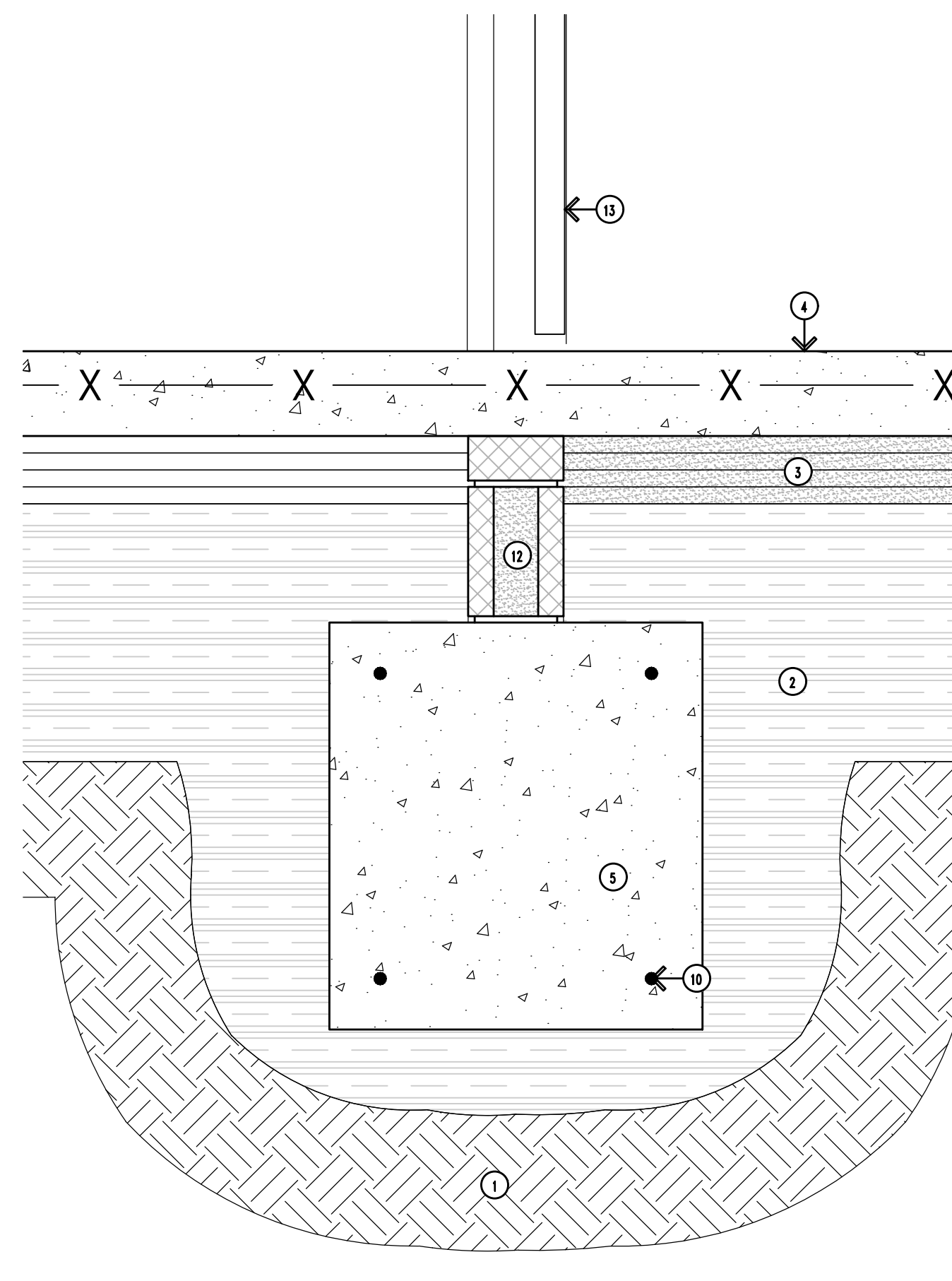
4 Typical Door Head Detail @ 6" CMU Bearing Wall
Scale: 1-1/2"-1'-0"



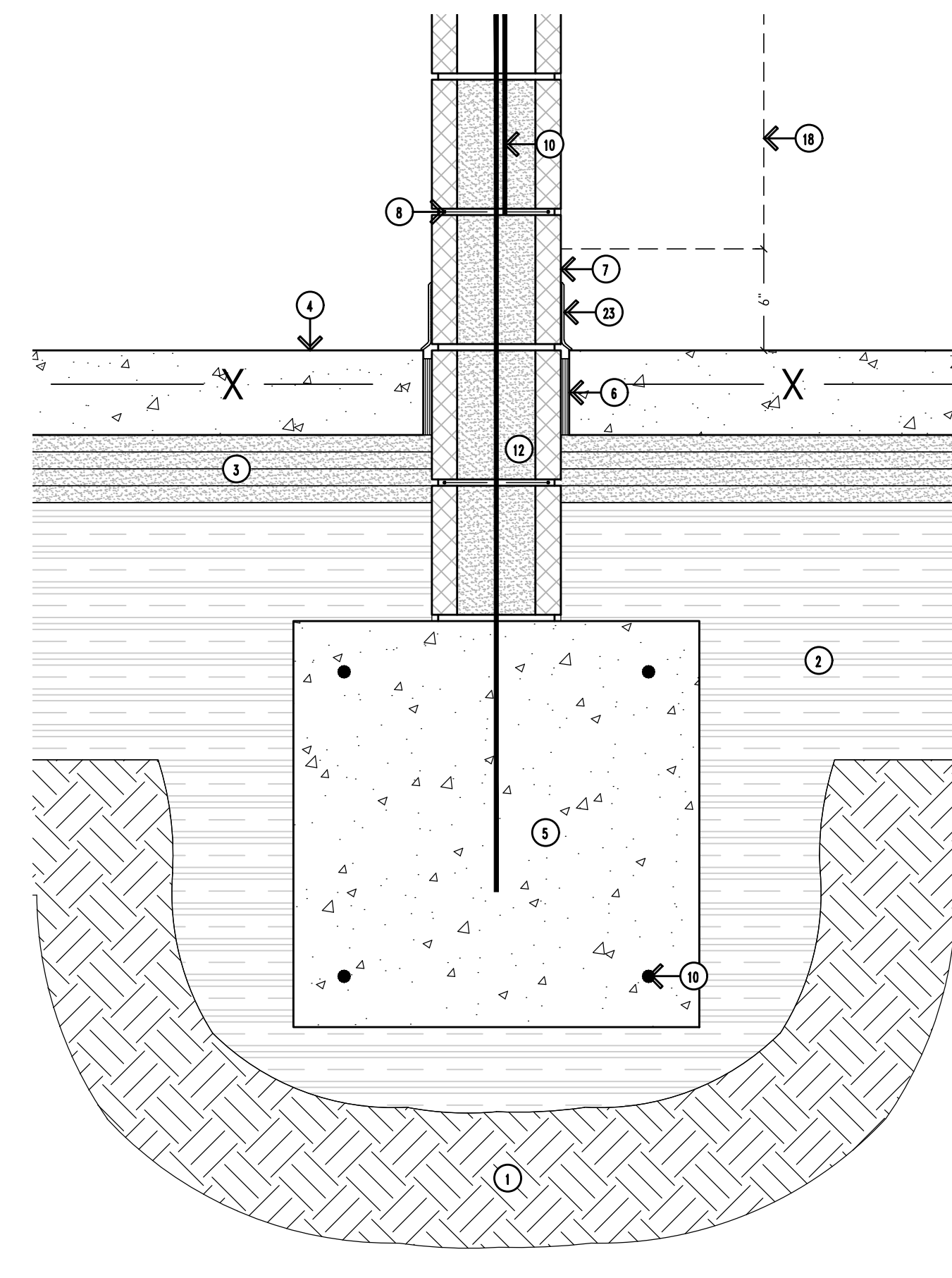
2 Typical Door Head Detail @ Recessed Classroom Door
Scale: 1-1/2"-1'-0"



5 Typical Sound Dampening Wall - Base of Wall
Scale: 3"-1'-0"



3 Typical 6" CMU Bearing Wall Base of Wall @ Door
Scale: 1-1/2"-1'-0"



1 Typical Bearing Wall Base of Wall
Scale: 1-1/2"-1'-0"



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221 A9.60

GENERAL NOTES:

G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.

EXISTING TO REMAIN NOTES:

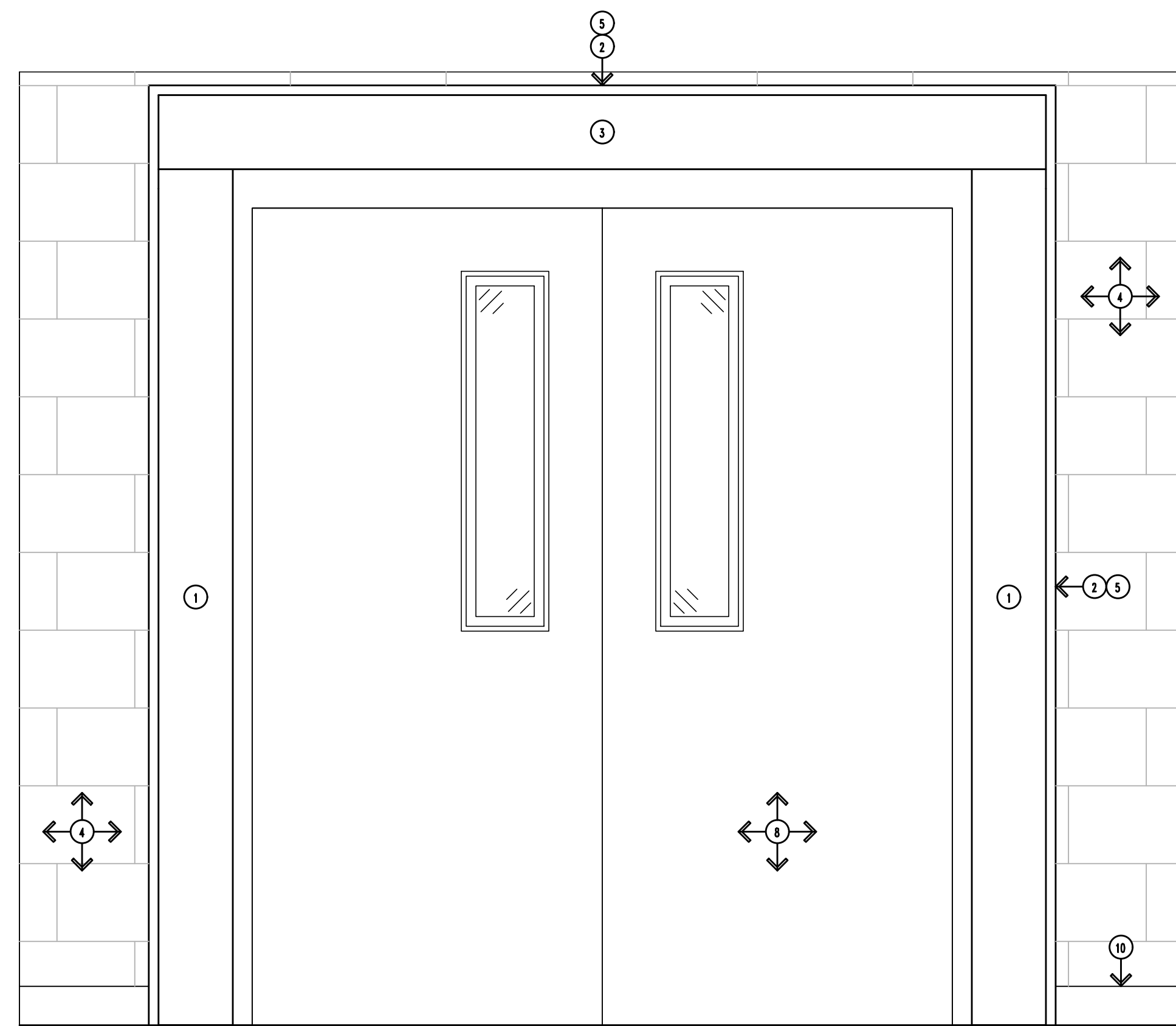
- E1. CONCRETE FLOOR SLAB - EXACT CONDITIONS UNKNOWN.
- E2. CMU BLOCK - EXACT CONDITIONS UNKNOWN.
- E3. BRICK VENEER - EXACT CONDITIONS UNKNOWN.
- E4. ROOF, ROOF STRUCTURE, AND ROOF DECK - EXACT CONDITIONS UNKNOWN.
- E5. WALL INSULATION - EXACT CONDITIONS UNKNOWN.

REMOVAL NOTES:

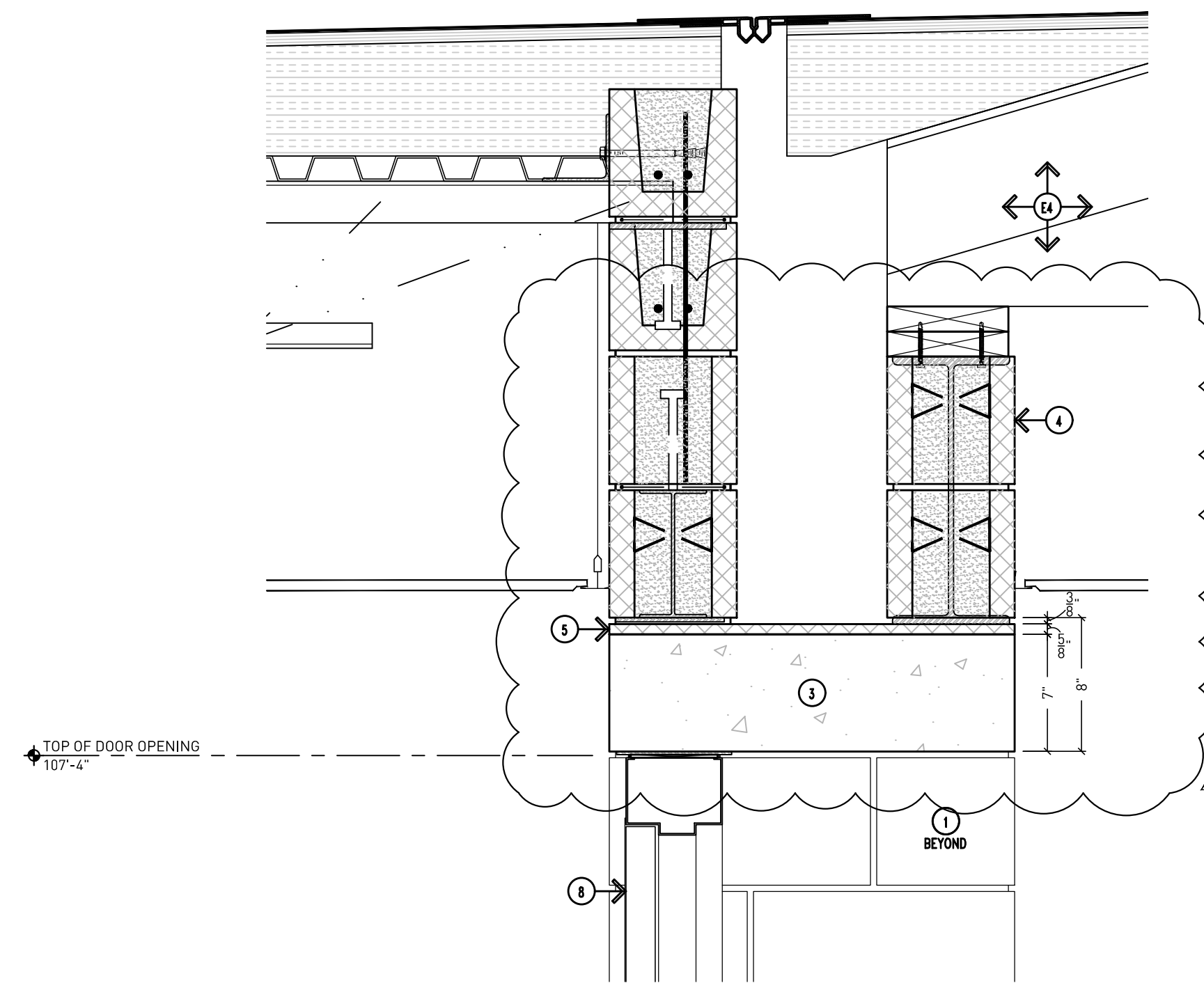
- R1. EXISTING FLOOR MINIMUM 4" BELOW FINISH FLOOR AT LOCATION OF NEW WALL.

DRAWING NOTES:

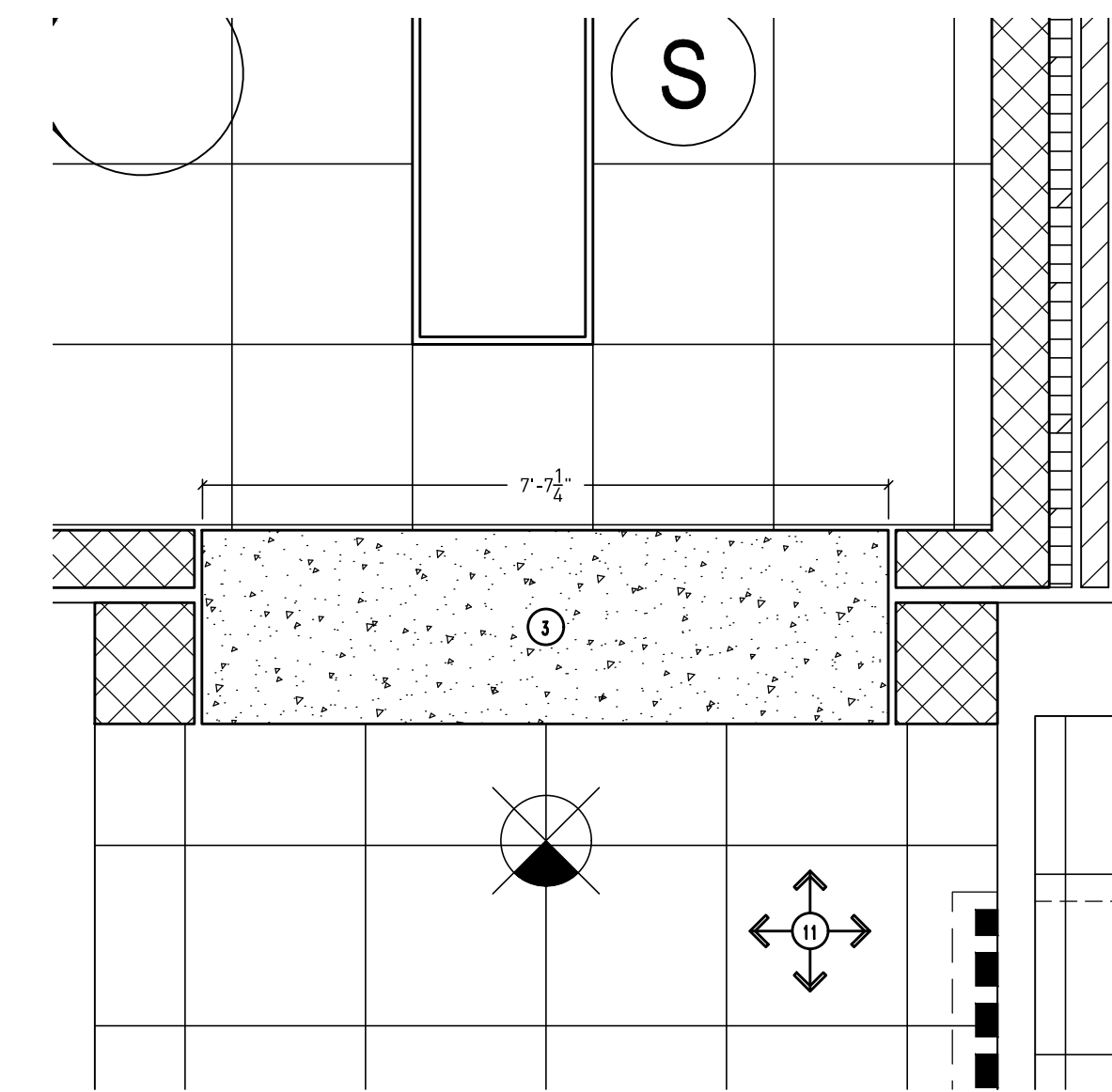
- 1. PORTAL WALL PIERS.
- 2. MINIMUM 1" GAP AT ALL SIDES OF THE PORTAL WALL. REFER TO SHEET A9.62 FOR FURTHER INFORMATION ON FIRESTOPPING.
- 3. C.I.P. PORTAL LID ABOVE. REFER TO STRUCTURAL DRAWINGS.
- 4. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW). TOOTH-IN AS NECESSARY.
- 5. FIRE STOP - REFER TO SHEET A9.62 FOR FURTHER INFORMATION ON FIRESTOPPING.
- 6. MINIMUM 4" CONCRETE PATCH ABOVE FOUNDATION AT LOCATION OF NEW WALL.
- 7. TRANSITION STRIP.
- 8. DOOR, FRAME, AND HARDWARE. REFER TO DOOR SCHEDULE AND SPECIFICATIONS.
- 9. STRUCTURAL SUPPORT FOR EXISTING BRICK - REFER TO STRUCTURAL DRAWINGS.
- 10. WALL BASE. REFER TO FINISH SCHEDULE.
- 11. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.



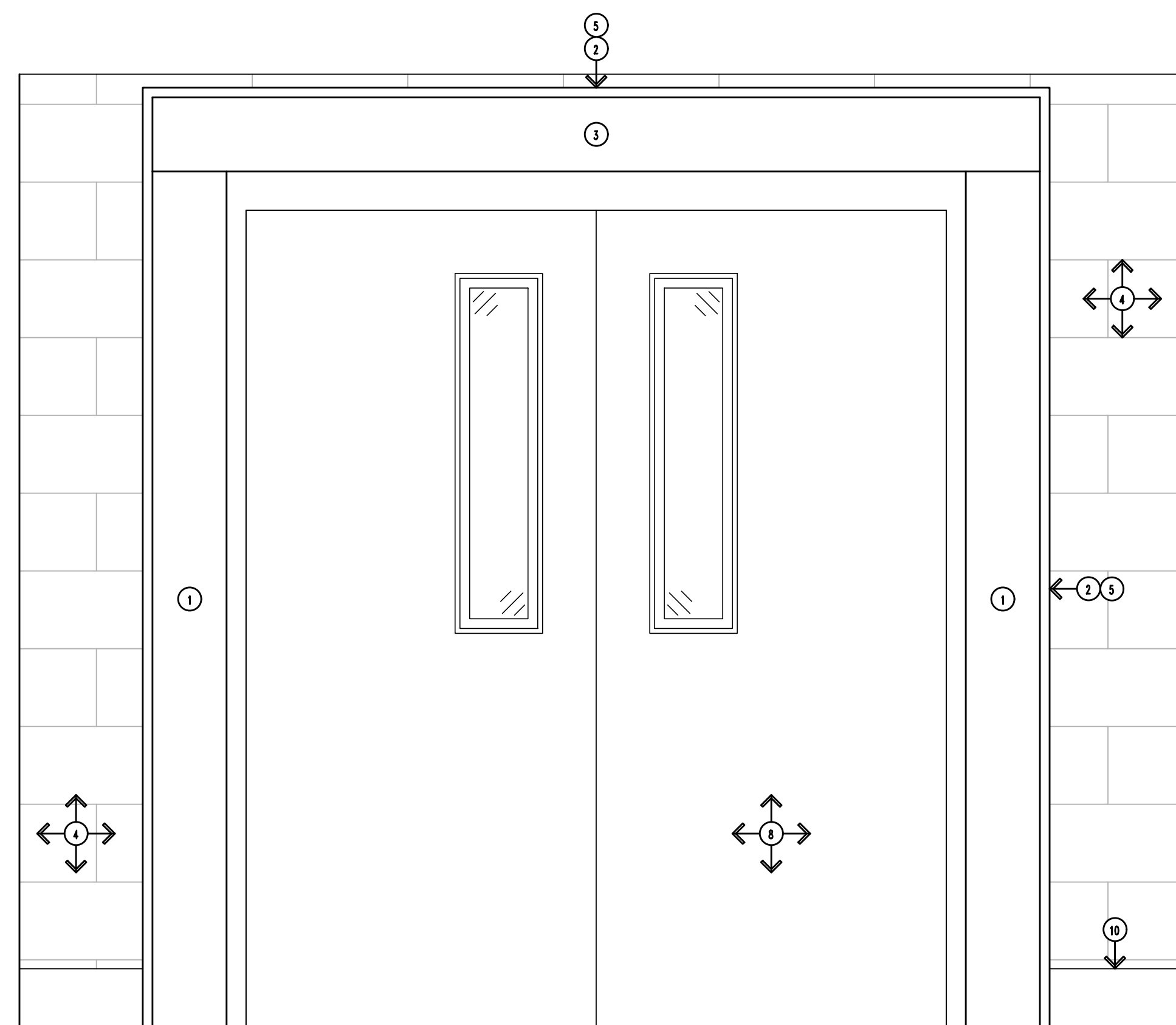
6 Portal A - New Work Elevation (Existing Side)
Scale: 1"=1'-0"



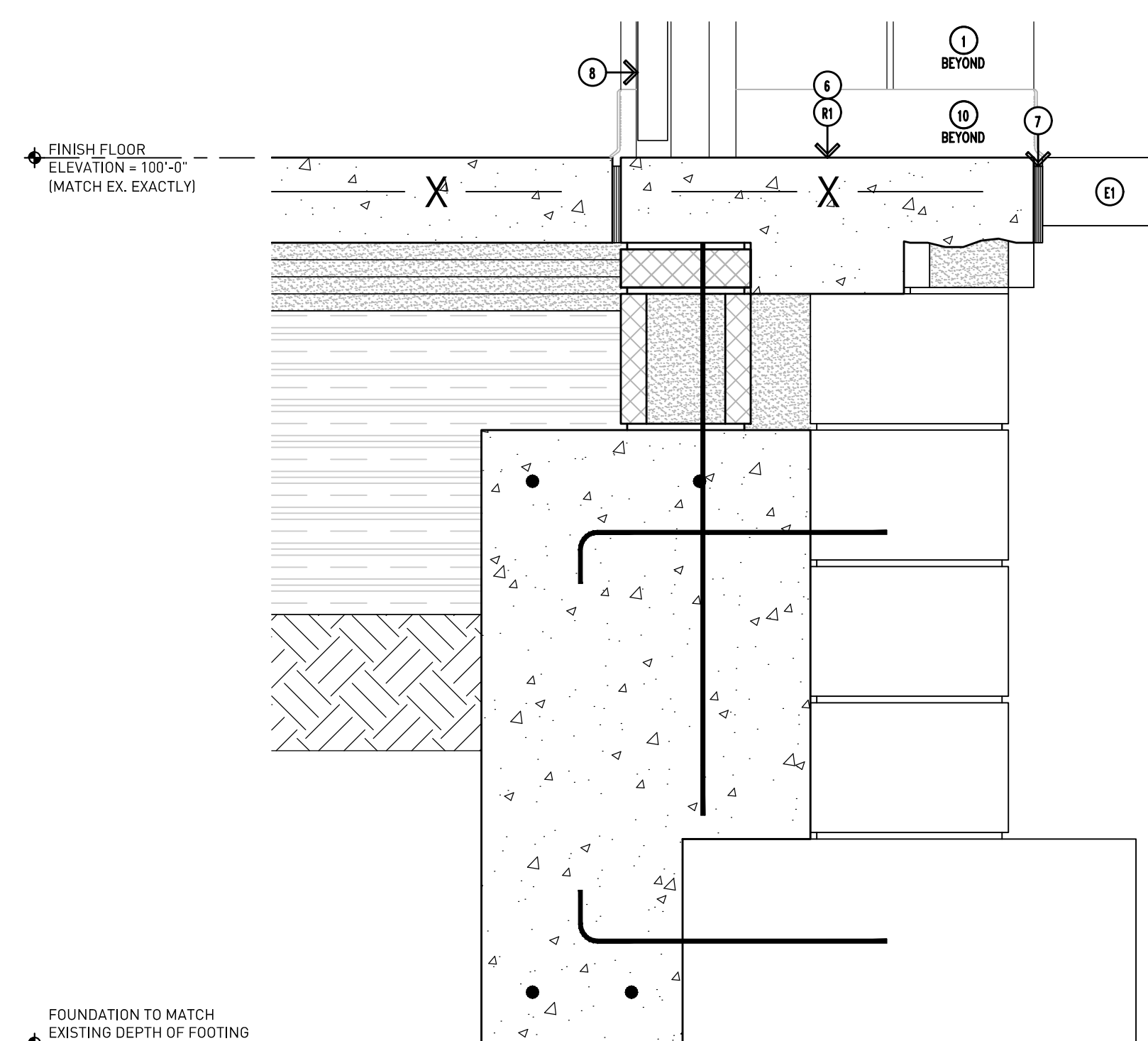
4 Portal A - Door Head Detail
Scale: 1-1/2"=1'-0"



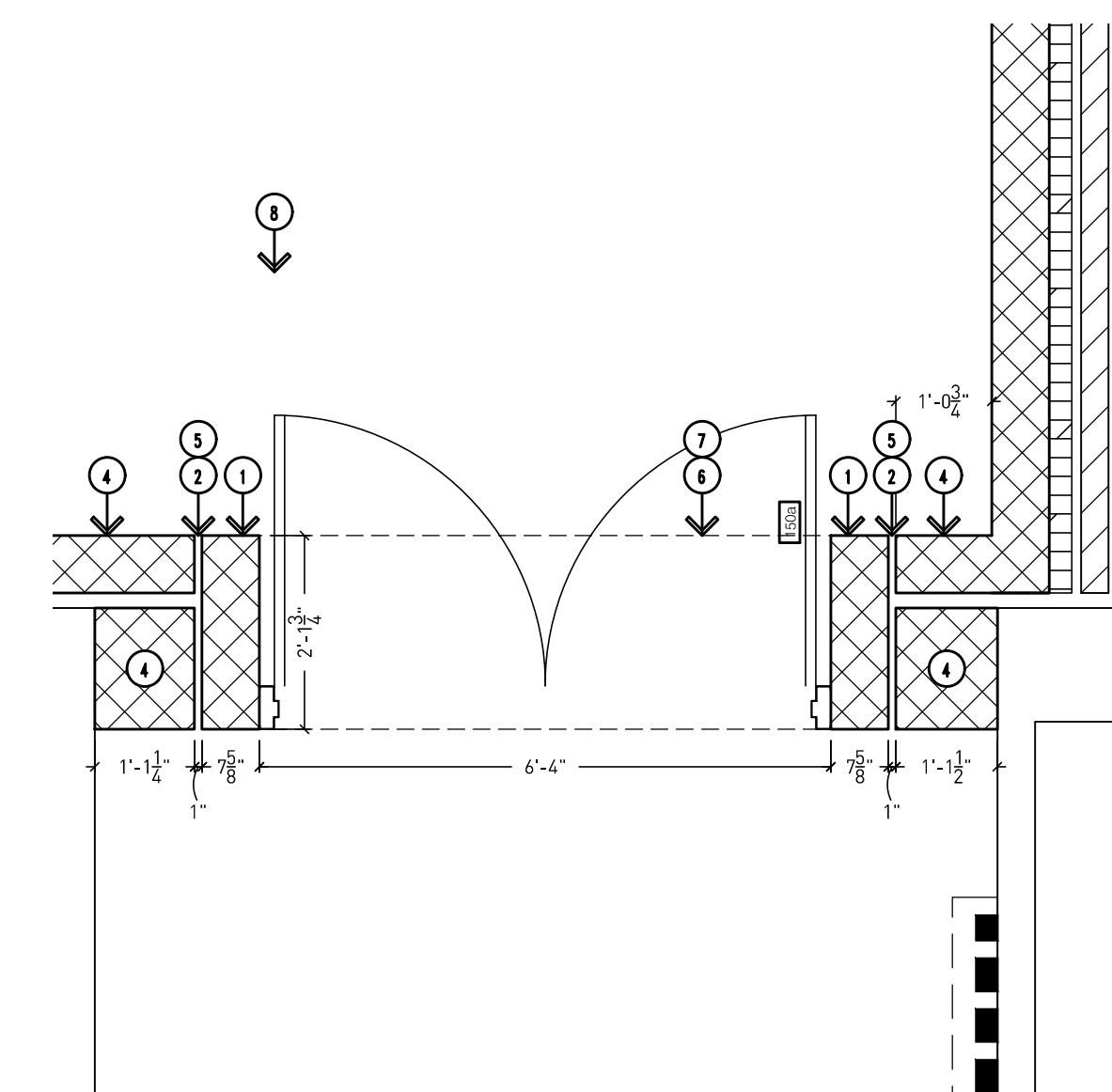
2 Portal A - Enlarged RCP
Scale: 1/2"=1'-0"



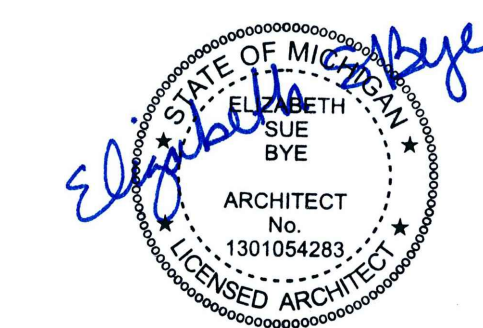
5 Portal A - New Work Elevation (Addition Side)
Scale: 1"=1'-0"



3 Portal A - Base of Wall
Scale: 1-1/2"=1'-0"



1 Portal A - Enlarged Floor Plan
Scale: 1/2"=1'-0"



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Portal A Details



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

A9.65

GENERAL NOTES:

G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.

EXISTING TO REMAIN NOTES:

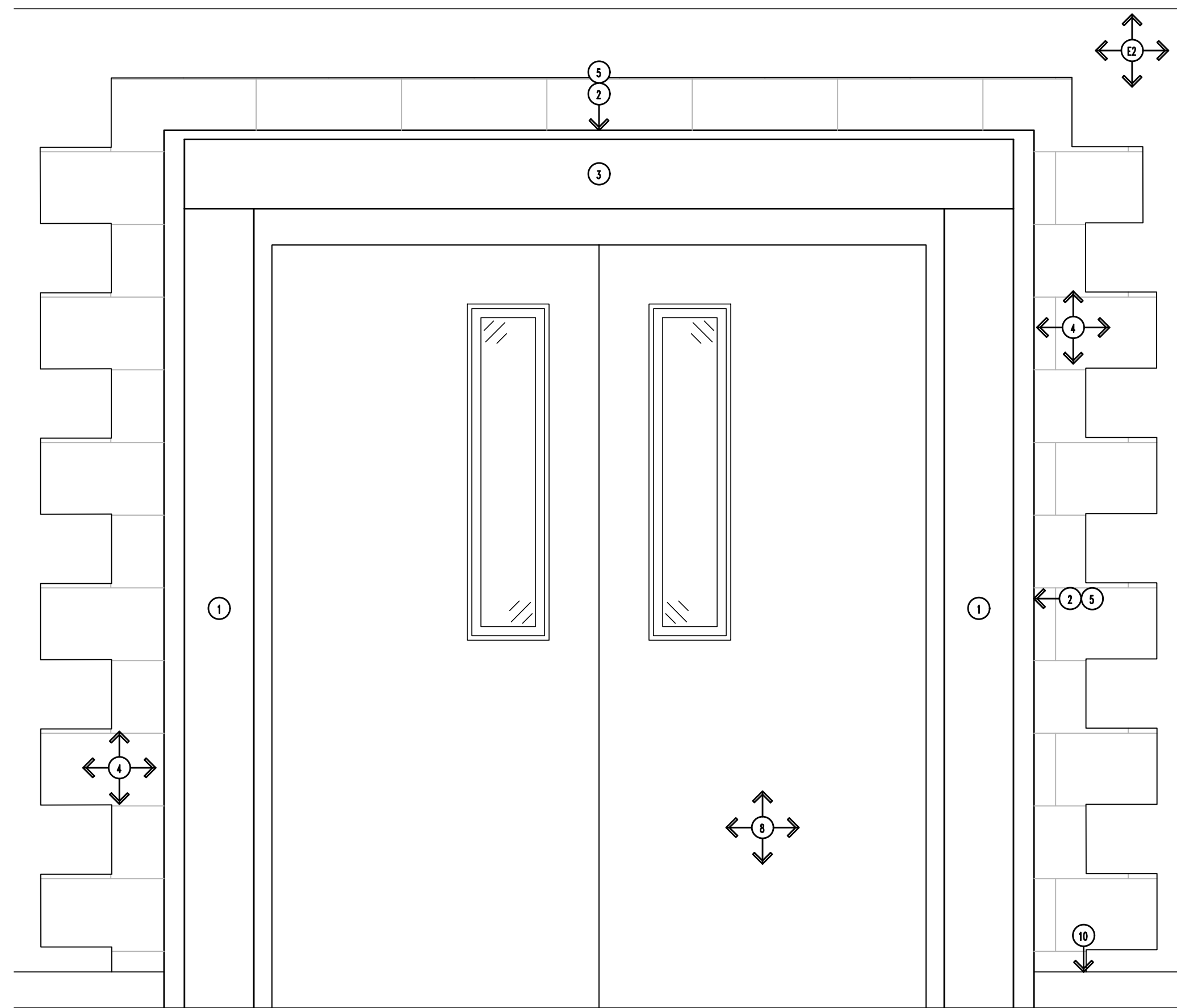
- E1. CONCRETE FLOOR SLAB - EXACT CONDITIONS UNKNOWN.
- E2. CMU BLOCK - EXACT CONDITIONS UNKNOWN.
- E3. BRICK VENEER - EXACT CONDITIONS UNKNOWN.
- E4. ROOF, ROOF STRUCTURE, AND ROOF DECK - EXACT CONDITIONS UNKNOWN.
- E5. WALL INSULATION - EXACT CONDITIONS UNKNOWN.

REMOVAL NOTES:

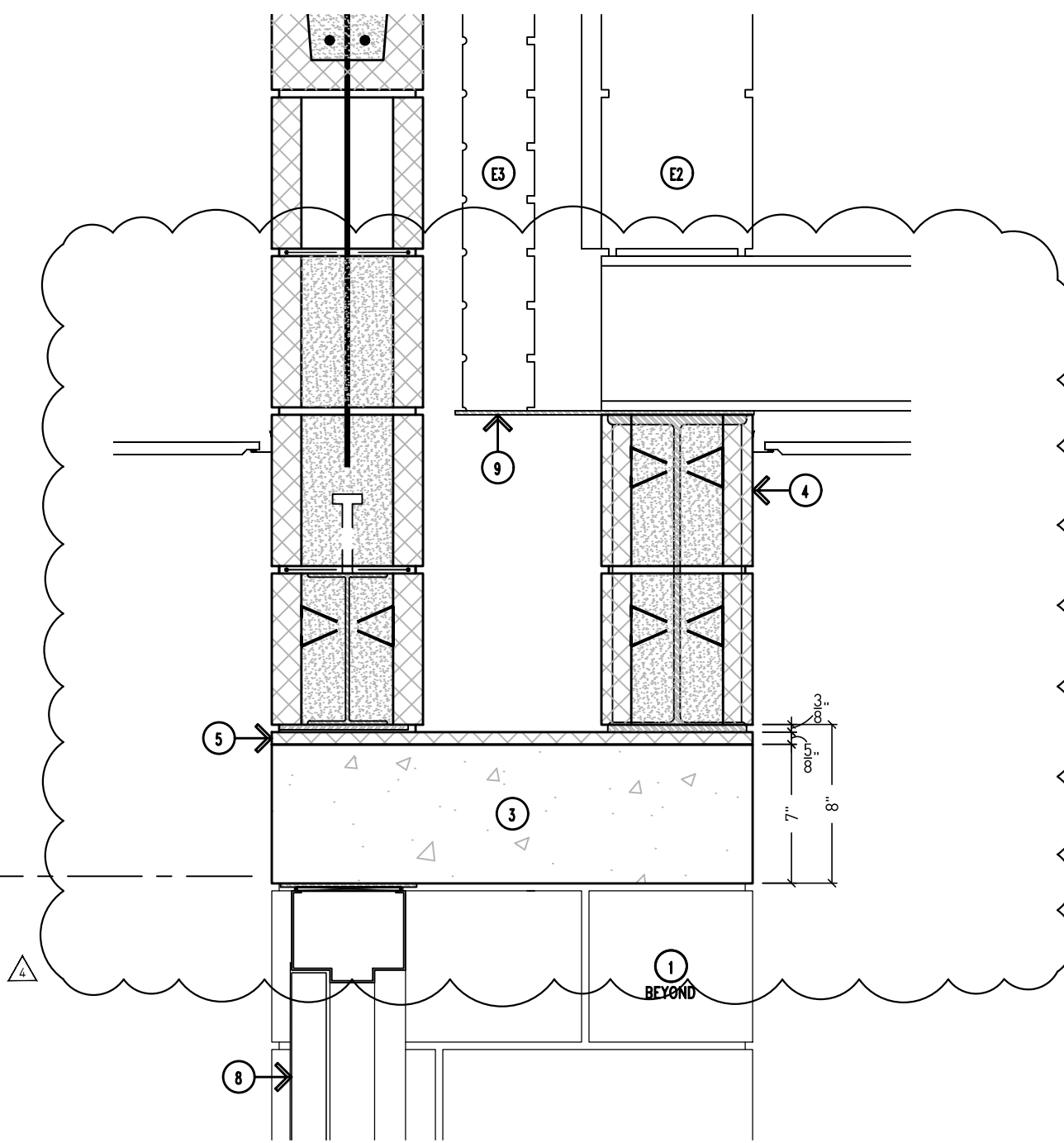
- R1. EXISTING FLOOR MINIMUM 4" BELOW FINISH FLOOR AT LOCATION OF NEW WALL.

DRAWING NOTES:

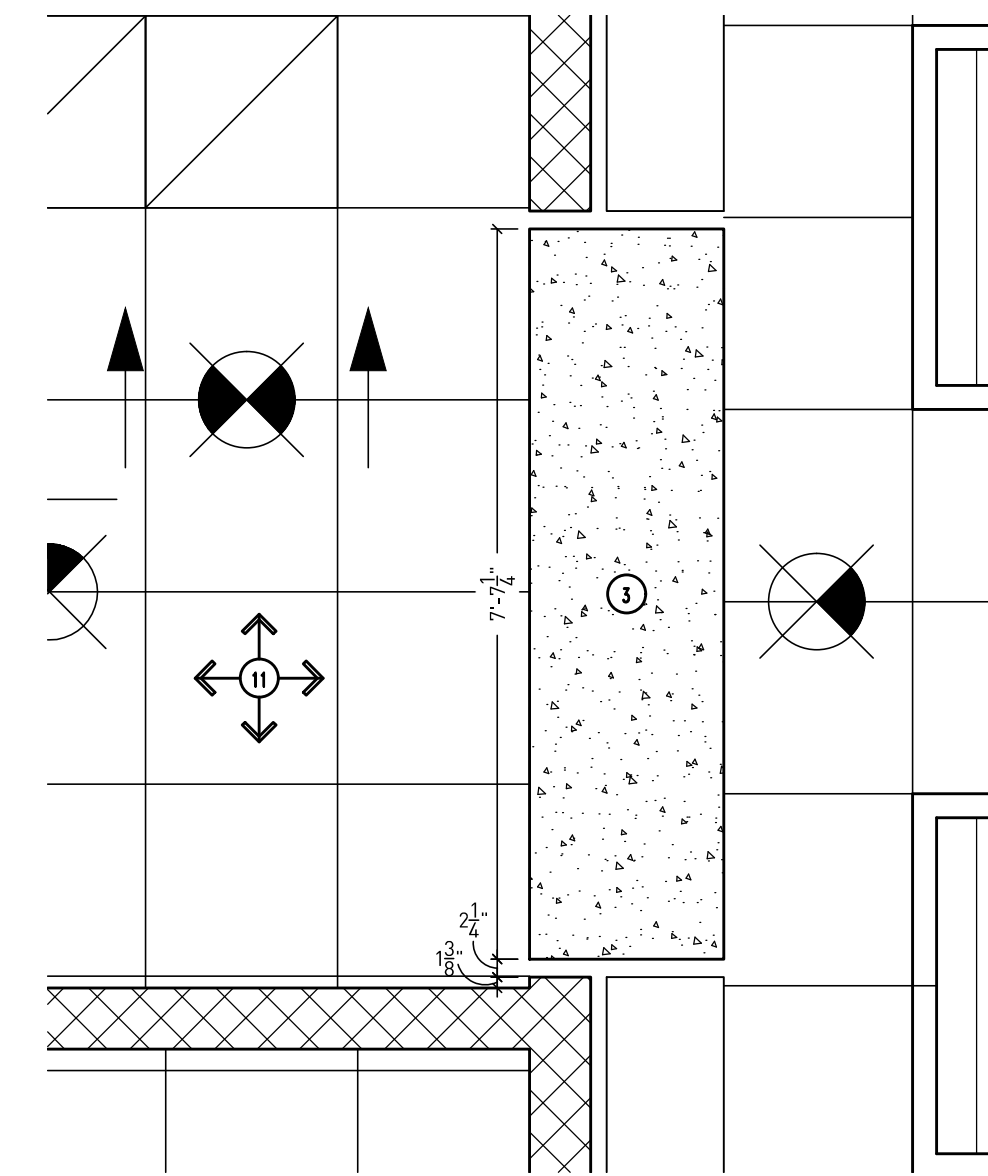
- 1. PORTAL WALL PIERS.
- 2. MINIMUM 1" GAP AT ALL SIDES OF THE PORTAL WALL. REFER TO SHEET A9.62 FOR FURTHER INFORMATION ON FIRESTOPPING.
- 3. C.I.P. PORTAL LID ABOVE. REFER TO STRUCTURAL DRAWINGS.
- 4. CMU MASONRY BLOCK (PAINT ALL SURFACES EXPOSED TO VIEW). TOOTH-IN AS NECESSARY.
- 5. FIRE STOP - REFER TO SHEET A9.62 FOR FURTHER INFORMATION ON FIRESTOPPING.
- 6. MINIMUM 4" CONCRETE PATCH ABOVE FOUNDATION AT LOCATION OF NEW WALL.
- 7. TRANSITION STRIP.
- 8. DOOR FRAME AND HARDWARE. REFER TO DOOR SCHEDULE AND SPECIFICATIONS.
- 9. STRUCTURAL SUPPORT FOR EXISTING BRICK - REFER TO STRUCTURAL DRAWINGS.
- 10. WALL BASE. REFER TO FINISH SCHEDULE.
- 11. ACOUSTICAL CEILING TILE IN PREFINISHED METAL GRID SYSTEM ATTACHED TO BUILDING STRUCTURE ABOVE.



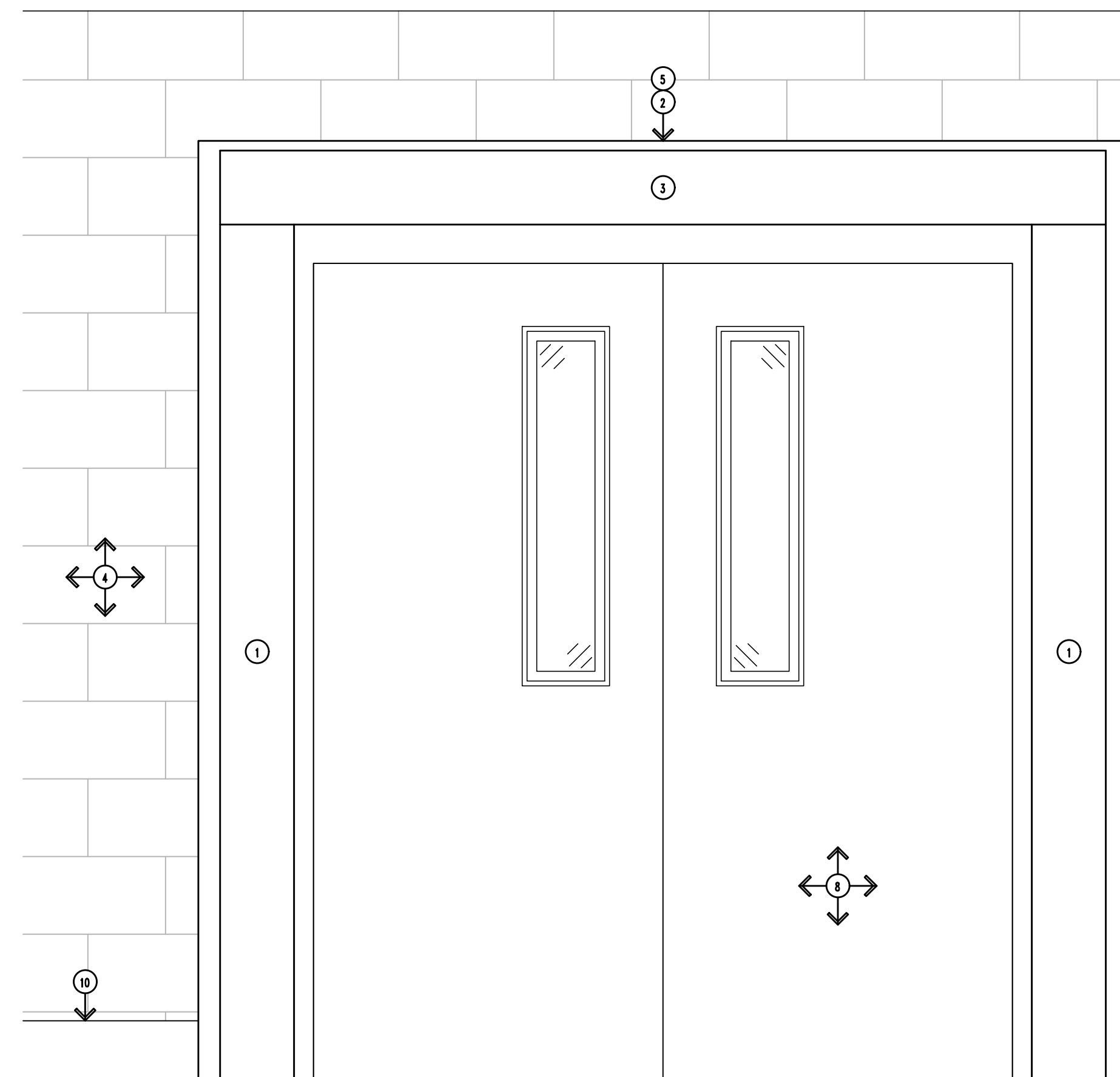
6 Portal B - New Work Elevation (Existing Side)
Scale: 1"=1'-0"



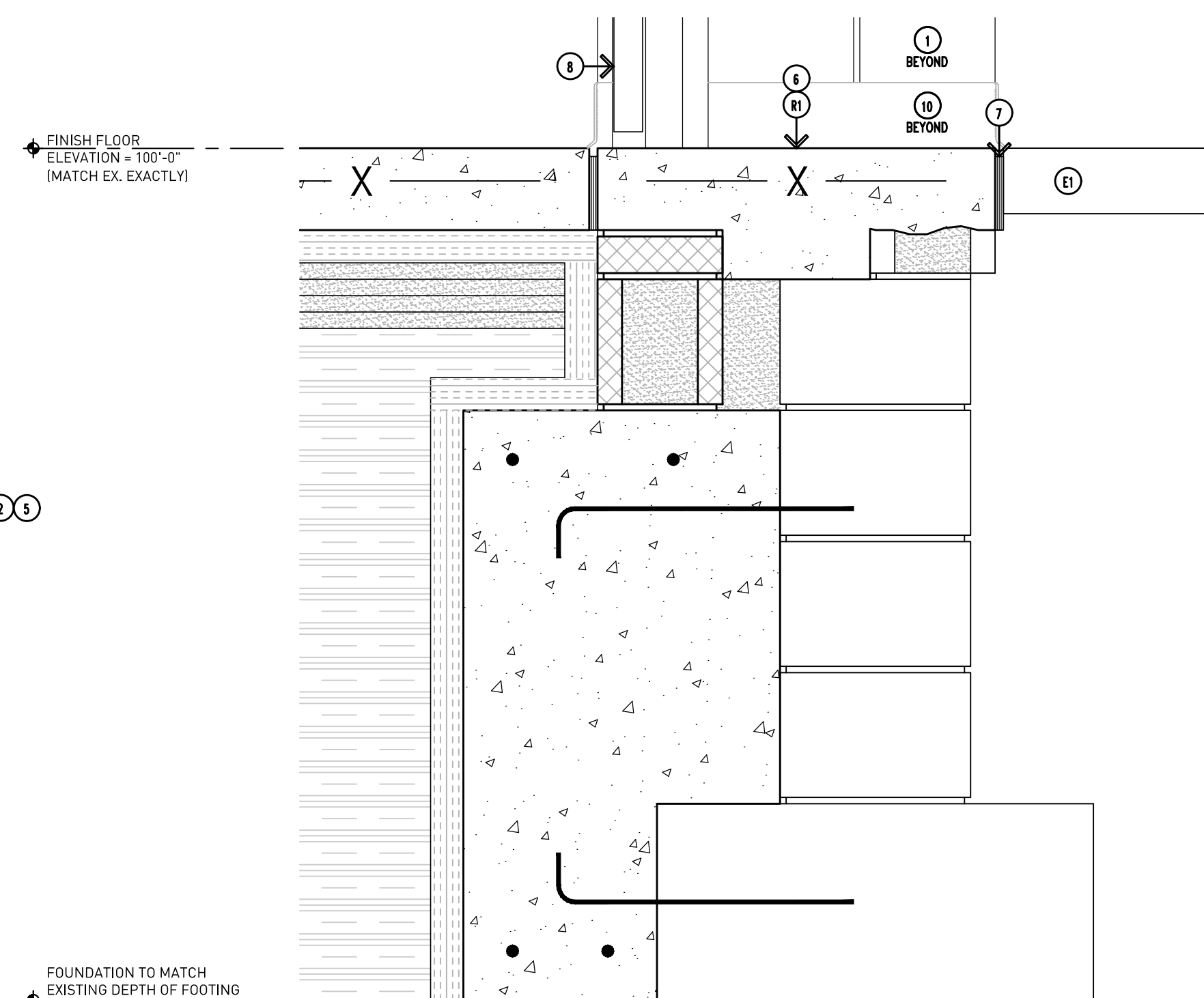
4 Portal B - Door Head Detail
Scale: 1-1/2"=1'-0"



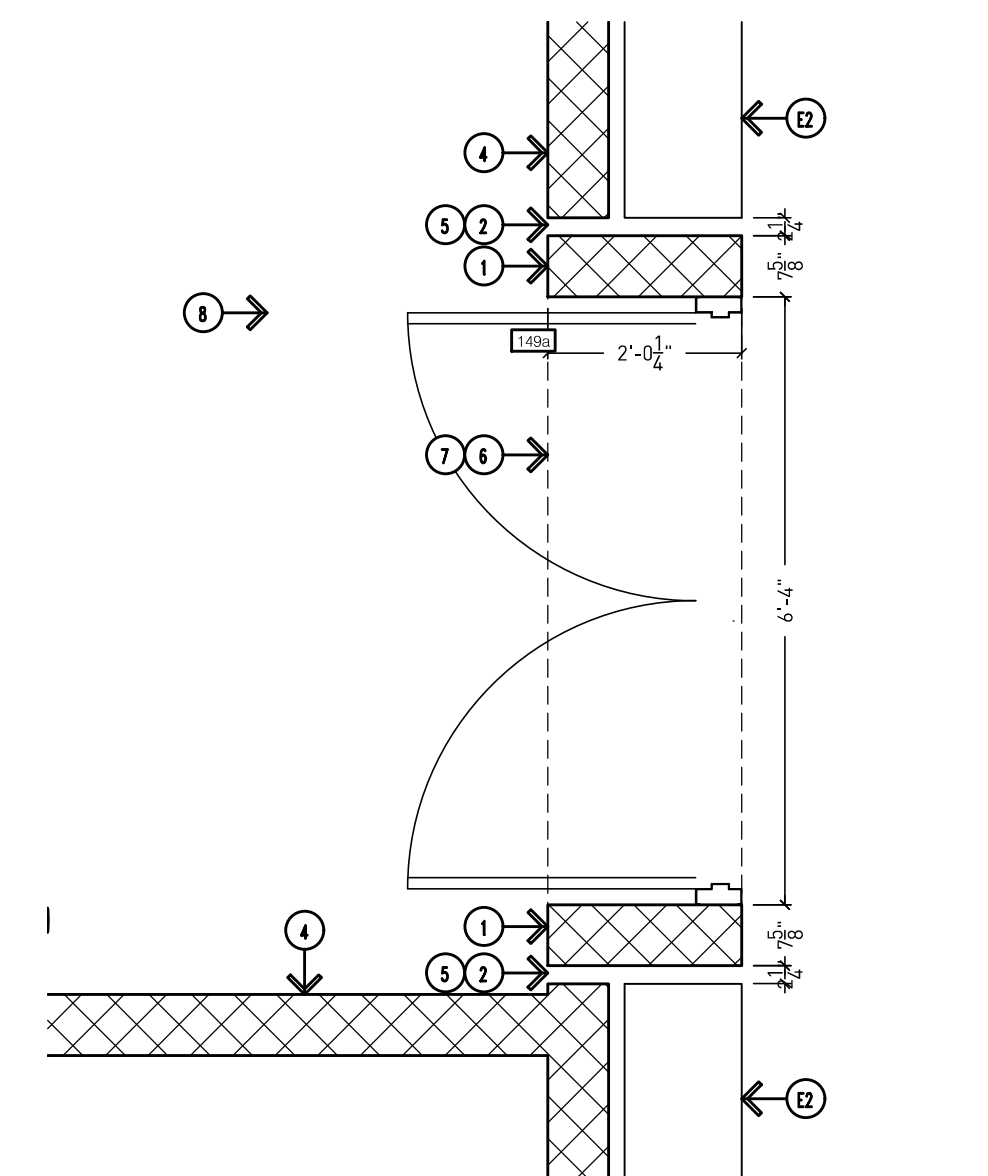
2 Portal B - Enlarged RCP
Scale: 1/2"=1'-0"



5 Portal B - New Work Elevation (Addition Side)
Scale: 1"=1'-0"



3 Portal B - Base of Wall
Scale: 1-1/2"=1'-0"



1 Portal B - Enlarged Floor Plan
Scale: 1/2"=1'-0"



Addendum #4: 17 August 2023
Bidding and Permits: 31 July 2023

Portal B Details



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

A9.66

GENERAL NOTES:

G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.

GENERAL STRUCTURED CABLING NOTES

1. ELECTRICAL CONTRACTOR TO PROVIDE ALL BACKBOXES, CONDUITS, AND SLEEVES FOR STRUCTURED CABLING. REFER TO ELECTRICAL PLANS.
2. STRUCTURED CABLING CONTRACTOR SHALL FIRESTOP ALL SLEEVES AND CORES PROVIDED FOR STRUCTURED CABLING.

KEYED STRUCTURED CABLING NOTES

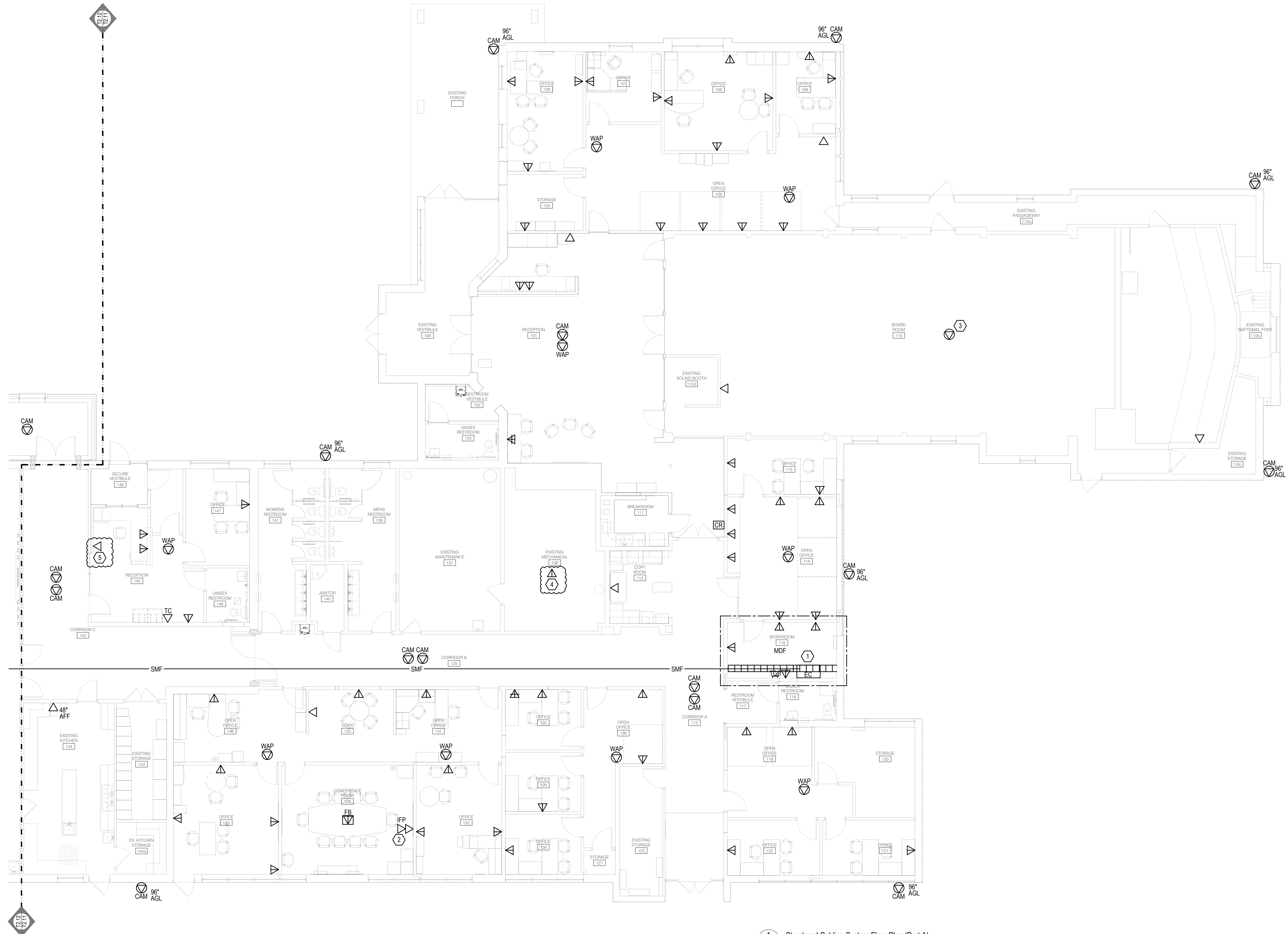
1. FIELD COORDINATE EXACT LOCATION OF EQUIPMENT CABINET AND LADDER RACK WITH OWNER PRIOR TO INSTALLATION.
2. COORDINATE FINAL LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
3. CEILING MOUNTED DATA DROP FOR IP VIDEO STREAMING CAMERA. FIELD COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
4. COORDINATE LOCATION OF DATA WITH MECHANICAL CONTRACTOR.
5. COORDINATE LOCATION OF DATA WITH FIRE ALARM CONTRACTOR.

STRUCTURED CABLING ABBREVIATIONS

MDF	MAIN DISTRIBUTION FRAME
IDF	INTERMEDIATE DISTRIBUTION FRAME
A.F.F.	ABOVE FINISHED FLOOR
A.G.L.	ABOVE GROUND LEVEL
U.N.D.	UNLESS NOTED OTHERWISE

STRUCTURED CABLING SYMBOL LEGEND

▽	SINGLE DATA OUTLET - WALL MOUNTED 1-GANG ONE (1) CATEGORY 6 UTP
▽	DOUBLE DATA OUTLET - WALL MOUNTED 1-GANG TWO (2) CATEGORY 6 UTP
TS	DOUBLE DATA OUTLET - WALL MOUNTED 2-GANG FOR TEACHER STATION TWO (2) CATEGORY 6 UTP
IFP	SINGLE DATA OUTLET - WALL MOUNTED 2-GANG FOR INTERACTIVE FLAT PANEL ONE (1) CATEGORY 6 UTP
CAM	SINGLE DATA OUTLET - IN CEILING SURFACE MOUNTED FOR SECURITY CAMERA ONE (1) CATEGORY 6 UTP
WAP	SINGLE DATA OUTLET - IN CEILING SURFACE MOUNTED FOR WIRELESS ACCESS POINT ONE (1) CATEGORY 6 UTP
EC	EQUIPMENT CABINET
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR PROVIDED BY ELECTRICAL CONTRACTOR
SMF	SINGLE-MODE FIBER OPTIC BACKBONE



1 Structured Cabling System Floor Plan (Part A)
Scale: 1/8"=1'-0"

Addendum #4, 17 August 2022
Permits & Bidding: 31 July 2023

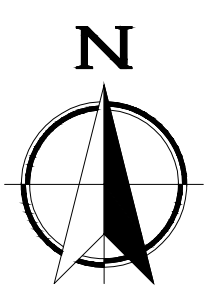
Structured Cabling System Floor Plan (Part A)



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

T2.11



818 West 11 Mile Road
Royal Oak, MI 48067
Tel: (248) 594-5850
Fax: (248) 594-5851
http://www.wrighthunter.com

GENERAL NOTES:

G1. DO NOT SCALE DRAWING. DRAWING SCALE IS SHOWN FOR GENERAL REFERENCE ONLY.

GENERAL STRUCTURED CABLING NOTES

- ELECTRICAL CONTRACTOR TO PROVIDE ALL BACKBOXES, CONDUITS, AND SLEEVES FOR STRUCTURED CABLING. REFER TO ELECTRICAL PLANS.
- STRUCTURED CABLING CONTRACTOR SHALL FIRESTOP ALL SLEEVES AND CORES PROVIDED FOR STRUCTURED CABLING.

KEYED STRUCTURED CABLING NOTES (#)

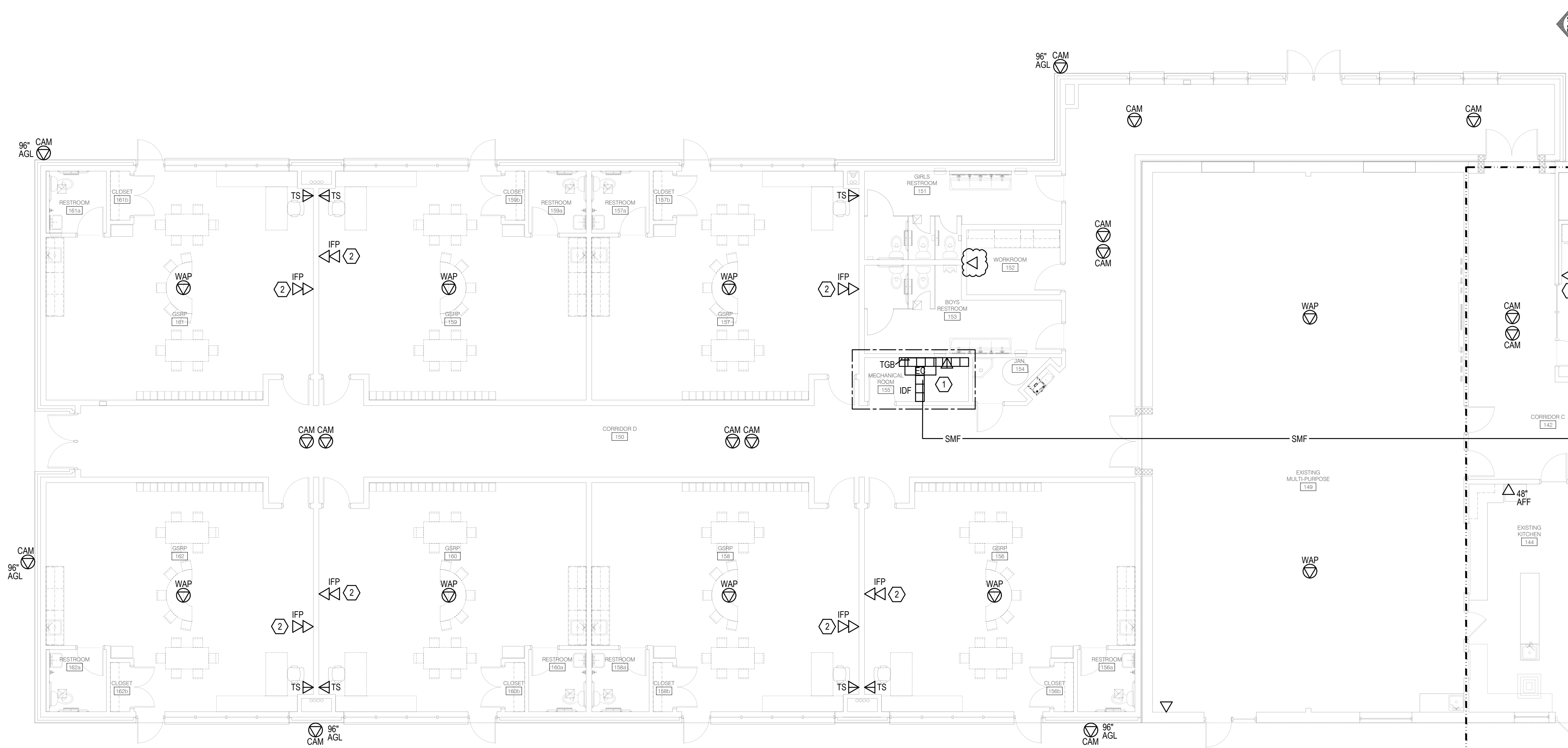
- FIELD COORDINATE EXACT LOCATION OF EQUIPMENT CABINET AND LADDER RACK WITH OWNER PRIOR TO INSTALLATION.
- COORDINATE FINAL LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.

STRUCTURED CABLING ABBREVIATIONS

MDF	MAIN DISTRIBUTION FRAME
IDF	INTERMEDIATE DISTRIBUTION FRAME
A.F.F.	ABOVE FINISHED FLOOR
A.G.L.	ABOVE GROUND LEVEL
U.N.O.	UNLESS NOTED OTHERWISE

STRUCTURED CABLING SYMBOL LEGEND

▽	SINGLE DATA OUTLET - WALL MOUNTED 1-GANG ONE (1) CATEGORY 6 UTP
▽	DOUBLE DATA OUTLET - WALL MOUNTED 1-GANG TWO (2) CATEGORY 6 UTP
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▽	SINGLE DATA OUTLET - WALL MOUNTED 2-GANG FOR INTERACTIVE FLAT PANEL ONE (1) CATEGORY 6 UTP
▽	SINGLE DATA OUTLET - IN CEILING SURFACE MOUNTED FOR SECURITY CAMERA ONE (1) CATEGORY 6 UTP
▽	SINGLE DATA OUTLET - IN CEILING SURFACE MOUNTED FOR WIRELESS ACCESS POINT ONE (1) CATEGORY 6 UTP
EC	EQUIPMENT CABINET
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR PROVIDED BY ELECTRICAL CONTRACTOR
SMF	SINGLE-MODE FIBER OPTIC BACKBONE



1 Structured Cabling System Floor Plan (Part B)
T2.12 Scale: 1/8"=1'-0"

ADDENDUM #5: 17 August 2023
Permits & Bidding: 31 July 2023

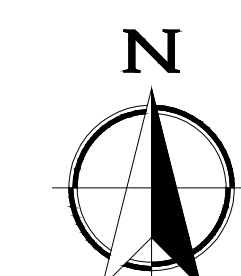
Structured Cabling System Floor Plan (Part B)



Crestwood School District
Chery Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

T2.12



WRIGHT HUNTER
815 West 11 Mile Road
Royal Oak, MI 48067
Tel: (248) 594-5850
Fax: (248) 594-5851
http://www.wrighthunter.com

**SECTION 00 0115
LIST OF DRAWING SHEETS**

TTL TITLE SHEET
A00 GENERAL INFORMATION
A0.01 CODE REVIEW PLAN

A0.05 COMPOSITE PHASING PLAN
A0.06 PHASE 1
A0.07 PHASE 2 & 3
A0.08 PROJECT IDENTIFICATION SIGN

SURVEY DRAWINGS:

C1 OF 2 TOPOGRAPHICAL SURVEY
C2 OF 2 TOPOGRAPHICAL SURVEY

CIVIL DRAWINGS:

C1.0 GENERAL PLAN
C2.1 DEMOLITION PLAN
C3.1 UTILITY PLAN
C4.1 PAVING AND LAYOUT PLAN
C5.1 GRADING PLAN
C6.1 SOIL EROSION AND SEDIMENTATION CONTROL PLAN

LANDSCAPE DRAWINGS:

L.101 SITE PLAN LANDSCAPE PLAN
L.102 SITE PLAN LANDSCAPE PLAN
L.301 SITE PLAN LANDSCAPE PLAN
L.302 SITE PLAN LANDSCAPE PLAN
L.601 SITE PLAN LANDSCAPE PLAN - SPECIFICATIONS
L.602 SITE PLAN LANDSCAPE PLAN - SPECIFICATIONS
L.603 SITE PLAN LANDSCAPE PLAN - SPECIFICATIONS

STRUCTURAL DRAWINGS:

- S0.01 GENERAL STRUCTURAL NOTES**
- S0.02 GENERAL STRUCTURAL NOTES**
- S0.03 SPECIAL INSPECTION SCHEDULES**

- S2.01 LOAD MAPS**

- S2.10 FOUNDATION PLAN**
- S2.11 ROOF FRAMING PLAN**

- S3.00 TYPICAL CONCRETE SECTIONS**

- S4.00 TYPICAL MASONRY SECTIONS**
- S4.01 TYPICAL MASONRY SECTIONS**

- S6.00 TYPICAL STEEL DETAILS**
- S6.01 TYPICAL STEEL DETAILS**

- S7.00 SECTIONS AND DETAILS**
- S7.01 SECTIONS AND DETAILS**

ARCHITECTURAL DRAWINGS:

- A0.11 ARCHITECTURAL SITE PLAN**
- A0.12 DUMPSTER ENCLOSURE PLAN & DETAILS**

- A1.10 REMOVALS COMPOSITE PLAN**
- A1.11 REMOVALS FLOOR PLAN (AREA A)**
- A1.12 REMOVALS FLOOR PLAN (AREA B)**
- A1.13 REMOVALS CEILING PLAN (AREA A)**
- A1.14 REMOVALS CEILING PLAN (AREA B)**
- A1.15 REMOVALS ELEVATIONS**
- A1.16 REMOVALS ELEVATIONS**

- A2.10 COMPOSITE FLOOR PLAN**
- A2.11 FLOOR PLAN (AREA A)**
- A2.12 FLOOR PLAN (AREA B)**

A2.13	DIMENSION PLAN (AREA A)
A2.14	DIMENSION PLAN (AREA B)
A2.50	COMPOSITE ROOF PLAN
A2.60	DOOR SCHEDULE
A2.61	DOOR SCHEDULE
A2.80	CABINET SCHEDULE / DETAILS
A3.00	EXTERIOR ELEVATIONS
A3.01	EXTERIOR ELEVATIONS
A3.02	EXTERIOR ELEVATIONS
A3.03	EXTERIOR ELEVATIONS
A3.50	BUILDING SECTIONS
A3.51	BUILDING SECTIONS
A3.52	BUILDING SECTIONS
A3.53	BUILDING SECTIONS - ALTERNATE #1
A4.00	ENLARGED FLOOR PLANS (RESTROOMS)
A4.01	ENLARGED FLOOR PLANS
A5.00	INTERIOR ELEVATIONS
A5.01	INTERIOR ELEVATIONS
A5.02	INTERIOR ELEVATIONS
A5.03	INTERIOR ELEVATIONS
A6.10	COMPOSITE RCP
A8.10	COMPOSITE FINISH PLAN
A8.11	FINISH PLAN AREA A
A8.12	FINISH PLAN AREA B
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END OF SECTION

**SECTION 08 0671
DOOR HARDWARE SCHEDULE**

ALUMINUM FRAMES

Hardware Set #1: Existing Exterior Aluminum Double Doors Security

Electric Strike
Power Supply
Auto Operator
ADA Push Button Actuator (on both sides of doors w/ wiring harness and weather ring)
Card Reader (by Security)

Hardware Set #2: Exterior Aluminum/FRP Double Doors Card Reader

Continuous hinges with wiring harness
Exit devices with electrified panic w/dogging
Pulls by door manufacturer
Cylinder/cores
Closers
Thresholds
Weatherstripping
Sill Sweep by door manufacturer
Power Supply
Card Reader (by Security)

Hardware Set #3: Exterior Aluminum/FRP Double Doors

Continuous hinges
Exit devices w/dogging
Pulls by door manufacturer
Cylinder/cores
Closers
Thresholds
Weatherstripping
Sill Sweep by door manufacturer

Hardware Set #4: Exterior Aluminum/FRP Single Door Security

Continuous hinge with wiring harness
Exit device with electrified panic w/dogging
Pulls by door manufacturer
Cylinder/cores
Closers
Thresholds
Weatherstrippings
Sill Sweep by door manufacturer
Power Supply
Auto Operator
ADA Push Button Actuator (on both sides of doors w/ wiring harness and weather ring)
Card Reader (by Security)

Hardware Set #5: Exterior Aluminum/FRP Single Door

Continuous hinge
Exit device (no exterior trim)
Cylinder/core
Closer
Threshold
Weatherstripping
Sill Sweep by door manufacturer

Hardware Set #6: Interior Aluminum/FRP Double Doors Security

Continuous hinges with wiring harness
Exit devices with concealed vertical rod, electrified panic w/dogging
Pulls by door manufacturer
Cylinder/cores
Closers
Overhead Stops
Auto Operator
Power Supply
ADA Push Button Actuator (on both sides of doors w/ wiring harness and weather ring)
Card Reader (by Security)
Remote Release

Hardware Set #7: Interior Aluminum Single Door Security

Continuous hinge with wiring harness
Exit device with electrified panic w/dogging
Pull by door manufacturer
Cylinder/core
Closer
Auto Operator
Power Supply
ADA Push Button Actuator (on both sides of doors w/ wiring harness and weather ring)
Card Reader (by Security)
Remote Release

HM FRAMES

Hardware Set #10: Double Fire Doors w/ electromagnetic holder

Continuous hinges
Exit devices and lever trim
Closers with electromagnetic holder
Astragal (by HM Door Manufacturer)
Coordinator
Overhead Stops
Kickplates
Gasketing
Power Supply

Hardware Set #11: Double Egress Fire Doors w/card reader

Continuous hinges
Push Plates
Magnetic Locks (Fail Safe)
Closers
Astragal (by HM Door Manufacturer)
Kickplates
Wall Stops
Gasketing
Power Supply
Card Reader (by Security)
Push Button
Motion Sensor

Hardware Set #12: Double Fire Doors

Continuous Hinges
Exit device with visual security indicator and ADA thumb turn and lever trim
Closers
Removable Mullion (by HM Door Manufacturer)
Overhead Stop
Kickplates
Gasketing

Hardware Set #13: Double Closet Doors

Hinges
Flush Bolt (top and bottom)
Lockset (Classroom 2)

Hardware Set #15: Single Door Fire Rated w/ Card Reader

Hinges
Lockset (Secure)
Cylinder/core
Closer
Electric strike
Kickplate
Wall Stop
Gasketing
Power Supply
Card Reader(s) (by Security)
Remote Release

Hardware Set #16: Single Door Office

Hinges
Lockset (Office)
Cylinder/core
Wall Stop
Gasketing (for acoustics)

Hardware Set #17: Single Door Fire Rated w/ Visual Security Indicator

Hinges
Lockset with Visual Security Indicator (Classroom)
Cylinder/core
Closer
Kickplate
Wall Stop
Gasketing

Hardware Set #18: Single Door Privacy

Hinges
Lockset w/ occupied indicator (Privacy)
Cylinder/core
Wall Stop
Gasketing (for acoustics)

Hardware Set #19: Single Door Gang Restroom

Hinges
Push/Pull
Deadlock
Closer with Hold Open
Kickplate
Wall Stop

Hardware Set #20: Single Door Storage

Hinges
Lockset (Storeroom)
Cylinder/core
Kickplate
Wall Stop

Hardware Set #21: Single Door Fire Rated Janitor

Hinges
Lockset (Storeroom)
Cylinder/core
Closer w/ delayed closing option
Kickplate
Wall Stop
Gasketing

Hardware Set #22: Single Fire Door

Hinges
Exit device with visual security indicator and ADA thumb turn and lever trim
Closer
Kickplates
Overhead Stop
Gasketing

**SECTION 08 1113
HOLLOW METAL DOORS AND FRAMES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal frames.
- B. Hollow metal frames for wood doors.
- C. Fire-rated hollow metal doors and frames.

1.02 RELATED REQUIREMENTS

- A. Section 08 7100 - Door Hardware.
- B. Section 08 8000 - Glazing: Glass for doors and borrowed lites.
- C. Section 09 9000 - Painting and Coating - Commercial Facility Guide Specification - Sherwin Williams.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
- B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors 2018.
- C. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100) 2017.
- D. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames 2020.
- E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2020.
- F. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable 2021a.
- G. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength 2018a.
- H. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames 2016.
- I. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- J. ITS (DIR) - Directory of Listed Products current edition.
- K. NAAMM HMMA 830 - Hardware Selection for Hollow Metal Doors and Frames 2002.
- L. NAAMM HMMA 831 - Hardware Locations for Hollow Metal Doors and Frames 2011.
- M. NAAMM HMMA 840 - Guide Specifications For Receipt, Storage and Installation of Hollow Metal Doors and Frames 2007.
- N. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames 2014.
- O. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2019.
- P. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies 2017.
- Q. SDI 117 - Manufacturing Tolerances for Standard Steel Doors and Frames 2013.
- R. UL (DIR) - Online Certifications Directory Current Edition.
- S. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years documented experience.
- B. Maintain at project site copies of reference standards relating to installation of products specified.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
 - 1. Curries, an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Mesker, dormakaba Group; FDJ Series Drywall Frames: www.meskeropeningsgroup.com/#sle.
 - 3. Steelcraft, an Allegion brand: www.allegion.com/#sle.
 - 4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

- A. Requirements for Hollow Metal Doors and Frames:
 - 1. Steel Sheet: Comply with one or more of the following requirements; galvanized steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
 - 2. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 3. Door Edge Profile: Manufacturers standard for application indicated.
 - 4. Typical Door Face Sheets: Flush.
 - 5. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Flush.
 - 6. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.03 HOLLOW METAL DOORS

- A. Door Finish: Factory primed and field finished.
- B. Fire-Rated Doors:

1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 3 - Extra Heavy-duty.
 - b. Physical Performance Level A, 1,000,000 cycles; in accordance with ANSI/SDI A250.4.
 - c. Model 1 - Full Flush.
 - d. Door Face Metal Thickness: 18 gauge, 0.042 inch, minimum.
2. Fire Rating: As indicated on Door Schedule, tested in accordance with UL 10C and NFPA 252 ("positive pressure fire tests").
3. Provide units listed and labeled by UL (DIR) or ITS (DIR).
 - a. Attach fire rating label to each fire rated unit.
4. Door Thickness: 1-3/4 inches, nominal.

2.04 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Frame Finish: Factory primed and field finished.
- C. Interior Door Frames, Non-Fire Rated: Full profile/continuously welded type.
 1. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
- D. Door Frames, Fire-Rated: Full profile/continuously welded type.
 1. Fire Rating: Same as door, labeled.
 2. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
- E. Mullions for Pairs of Doors: Removable type, with profile similar to jambs.

2.05 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

2.06 ACCESSORIES

- A. Glazing: As specified in Section 08 8000, factory installed.
- B. Astragals and Edges for Double Doors: Pairs of door astragals, and door edge sealing and protection devices.
 1. UL listed products in compliance with requirements of authorities having jurisdiction.
 2. Astragal Type: Overlapping, Z-Shaped for double egress fire doors and with automatic locking and sealing gasket.
 3. Material: Steel.
- C. Mechanical Fasteners for Concealed Metal-to-Metal Connections: Self-drilling, self-tapping, steel with electroplated zinc finish.
- D. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.
- E. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Install fire rated units in accordance with NFPA 80.

- C. Coordinate frame anchor placement with wall construction.
- D. Install door hardware as specified in Section 08 7100.
- E. Comply with glazing installation requirements of Section 08 8000.
- F. Coordinate installation of electrical connections to electrical hardware items.
- G. Touch up damaged factory finishes.

3.03 TOLERANCES

- A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.
- B. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

3.04 ADJUSTING

- A. Adjust for smooth and balanced door movement.

3.05 SCHEDULE

- A. Refer to Door and Frame Schedule on the drawings.

END OF SECTION

SECTION 08 7100 DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood, hollow metal, and FRP doors.
- B. Hardware for fire-rated doors.
- C. Electrically operated and controlled hardware.
- D. Thresholds.
- E. Weatherstripping and gasketing.

1.02 RELATED REQUIREMENTS

- A. Section 06 2000 - Finish Carpentry: Wood door frames.
- B. Section 07 9200 - Joint Sealants: Sealants for setting exterior door thresholds.
- C. Section 08 1113 - Hollow Metal Doors and Frames.
- D. Section 08 1416 - Flush Wood Doors.
- E. Section 08 1613 - Fiberglass Doors.
- F. Section 08 4313 - Aluminum-Framed Storefronts: Door hardware, except as noted in section.
- G. Section 28 3100 - Fire Alarm

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
- B. BHMA A156.1 - American National Standard for Butts and Hinges 2016.
- C. BHMA A156.2 - American National Standard for Bored and Preassembled Locks & Latches 2017.
- D. BHMA A156.3 - American National Standard for Exit Devices 2014.
- E. BHMA A156.4 - American National Standard for Door Controls - Closers 2013.
- F. BHMA A156.6 - American National Standard for Architectural Door Trim 2015.
- G. BHMA A156.7 - American National Standard for Template Hinge Dimensions 2016.
- H. BHMA A156.8 - American National Standard for Door Controls - Overhead Stops and Holders 2015.
- I. BHMA A156.13 - American National Standard for Mortise Locks & Latches Series 1000 2017.
- J. BHMA A156.15 - American National Standard for Release Devices - Closer Holder, Electromagnetic and Electromechanical 2015.
- K. BHMA A156.16 - American National Standard for Auxiliary Hardware 2018.
- L. BHMA A156.18 - American National Standard for Materials and Finishes 2016.
- M. BHMA A156.21 - American National Standard for Thresholds 2014.
- N. BHMA A156.22 - American National Standard for Door Gasketing and Edge Seal Systems Sponsor 2017.
- O. BHMA A156.23 - American National Standard for Electromagnetic Locks 2017.
- P. BHMA A156.25 - American National Standard for Electrified Locking Devices 2018.
- Q. BHMA A156.28 - American National Standard for Recommended Practices for Mechanical Keying Systems 2018.
- R. BHMA A156.31 - American National Standard for Electric Strikes and Frame Mounted Actuators 2013.

- S. BHMA A156.36 - American National Standard for Auxiliary Locks 2016.
- T. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames 2016.
- U. BHMA A156.115W - American National Standard for Hardware Preparation in Wood Doors with Wood or Steel Frames 2006.
- V. DHI (H&S) - Sequence and Format for the Hardware Schedule 1996.
- W. DHI (KSN) - Keying Systems and Nomenclature 1989.
- X. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- Y. ITS (DIR) - Directory of Listed Products current edition.
- Z. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- AA. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2019.
- BB. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives 2019.
- CC. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies 2017.
- DD. UL (DIR) - Online Certifications Directory Current Edition.
- EE. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
 - 1. Architect.
 - 2. Installer's Architectural Hardware Consultant (AHC).
 - 3. Hardware Installer.
 - 4. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Keying Requirements Meeting:
 - 1. Schedule meeting at project site prior to Contractor occupancy.
 - 2. Attendance Required:
 - a. Contractor.
 - b. Owner.
 - c. Architect.
 - d. Installer's Architectural Hardware Consultant (AHC).
 - e. Hardware Installer.
 - f. Owner's Security Consultant.
 - 3. Agenda:
 - a. Establish keying requirements.
 - b. Verify locksets and locking hardware are functionally correct for project requirements.
 - c. Verify that keying and programming complies with project requirements.
 - d. Establish keying submittal schedule and update requirements.
 - 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
 - a. Schematic diagram of preliminary key system.

- b. Flow of traffic and extent of security required.
- 5. Record minutes and distribute copies via e-mail within two days after meeting to participants and to those affected by decisions made.
- 6. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
- C. Shop Drawings - Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
 - 1. Comply with DHI (H&S) using door numbers and hardware set numbers as indicated in construction documents.
 - 2. List groups and suffixes in proper sequence.
 - 3. Provide complete description for each door listed.
 - 4. Provide manufacturer's and product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
 - 5. Include account of abbreviations and symbols used in schedule.
- D. Samples for Verification:
 - 1. Submit minimum size of 2 by 4 inch for sheet samples, and minimum length of 4 inch for other products.
 - 2. Submit product description with samples.
- E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- F. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
 - 1. Submit manufacturer's parts lists and templates.
- G. Keying Schedule:
 - 1. Submit one copy of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.
- H. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- I. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- J. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 6000 - Product Requirements, for additional provisions.
 - 2. Lock Cylinders: One for each master keyed group.
 - 3. Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

1.06 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least five years of documented experience.
- B. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) to assist in work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.08 WARRANTY

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. Warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion.
 - 1. Closers: Ten years, minimum.
 - 2. Exit Devices: Five years, minimum.
 - 3. Locksets and Cylinders: Three years, minimum.
 - 4. Other Hardware: Two years, minimum.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
 - 4. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR), ITS (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for application indicated.
 - 5. Auxiliary Hardware: BHMA A156.16.
 - 6. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 - 7. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
 - 8. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
- D. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
- E. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's series. See Door Hardware Schedule on drawings.
- F. Fasteners:
 - 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
 - a. Aluminum fasteners are not permitted.
 - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
 - 2. Fire-Rated Applications: Comply with NFPA 80.
 - a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
 - b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

2.02 HINGES

- A. Manufacturers:

1. Hager Companies; BB1199 5 inch x 5 inch: www.hagerco.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Hinges: Comply with BHMA A156.1, Grade 1.
1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
 - a. Provide hinge width required to clear surrounding trim.
 2. Provide hinges on every swinging door.
 3. Provide ball-bearing hinges at each door with closer.
 4. Provide non-removable pins on interior outswinging doors.
 5. Provide following quantity of butt hinges for each door:
 - a. Doors From 60 inches High up to 90 inches High: Three hinges.
 - b. Doors 90 inches High up to 120 inches High: Four hinges.

2.03 CONTINUOUS HINGES

- A. Manufacturers:
1. Ives, an Allegion brand; XY Series TWPCON: www.allegion.com/us/#sle.
 2. Substitutions: See Section 01 6000-Product Requirements.
- B. Continuous Hinges: Comply with BHMA A156.26.
1. Provide continuous hinges on every exterior door.
 2. Provide power transfer hinges where electrified hardware is mounted in door leaf.

2.04 FLUSH BOLTS

- A. Manufacturers:
1. Rockwood; an Assa Abloy Group company; Product #555: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Flush Bolts: Comply with BHMA A156.16, Grade 1.
1. Flush Bolt Throw: 3/4 inch, minimum.
 2. Provides extension bolts in leading edge of door, one bolt into floor, one bolt into top of frame.
 - a. Pairs of Swing Doors: At inactive leaves, provide flush bolts of type as required to comply with code.

2.05 EXIT DEVICES

- A. Manufacturers:
1. Von Duprin, an Allegion brand; Series 99 QEL,RX,NL,TL: www.allegion.com/us/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Exit Devices: Comply with BHMA A156.3, Grade 1.
1. Lever design to match lockset trim.
 2. Provide cylinder with cylinder dogging or locking trim.
 3. Provide exit devices properly sized for door width and height.
 4. Provide strike as recommended by manufacturer for application indicated.
 5. Provide UL (DIR) listed exit device assemblies for fire-rated doors and panic device assemblies for non-fire-rated doors.
 6. For electrical options, provide quick connect plug-in pre-wired connectors.

2.06 ELECTRIC STRIKES

- A. Manufacturers:
1. HES; an Assa Abloy Group company; Series 1500/1600: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Electric Strikes: Comply with BHMA A156.31, Grade 1.
1. Provide UL (DIR) listed burglary-resistant electric strike; style to suit locks.
 2. Provide non-handed 24 VDC electric strike suitable for door frame material and scheduled lock configuration.

3. Provide field selectable Fail Safe/Fail Secure modes.
4. Provide transformer and rectifier as necessary for complete installation.

2.07 ELECTROMAGNETIC LOCKS

- A. Manufacturers:
 1. Securitron; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Electromagnetic Locks: Comply with BHMA A156.23, Grade 1.
 1. Holding Force: 600 lbs, minimum.
 2. Voltage: 12 VDC, and provide power supplies by same manufacturer as locks.
 3. Provide electromagnetic locks for fire-rated doors in compliance with UL 10C.
 4. Mounting: Surface mounted to door and frame on secure side, with fasteners, brackets, and spacer bars as required for application.
 5. Provide concealed adjustable time delay option to re-lock door, adjustable from 1 to 90 seconds.

2.08 LOCK CYLINDERS

- A. Manufacturers:
 1. Schlage; an Allegion company ; IE72: us.allegion.com.
- B. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
 1. Provide cylinders from same manufacturer as locking device.

2.09 MORTISE LOCKS

- A. Manufacturers:
 1. Basis of Design: Schlage, an Allegion brand; L9050BDC 07A L283-711: www.allegion.com/us/#sle.
 2. Corbin Russwin, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 3. Best, dormakaba Group: www.bestaccess.com/#sle.
- B. Mortise Locks: Comply with BHMA A156.13, Grade 1, Security, 1000 Series.
 1. Latchbolt Throw: 3/4 inch, minimum.
 2. Deadbolt Throw: 1 inch, minimum.
 3. Backset: 2-3/4 inch unless otherwise indicated.
 4. Strikes: Provide manufacturer's standard strike for each latchset or lockset with strike box and curved lip extending to protect frame in compliance with indicated requirements.
 - a. Finish: To match lock or latch.

2.10 AUXILIARY LOCKS (DEADLOCKS)

- A. Manufacturers:
 1. Basis of Design: Schlage; an Allegion company ; L463BDC: us.allegion.com.
 2. Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 3. Best, dormakaba Group: www.bestaccess.com/#sle.
- B. Auxiliary Locks (Deadlocks): Comply with BHMA A156.36, Grade 1.
 1. Type: Mortise.
 2. Application: Mortised.
 3. Backset: 2-3/4 inch, unless otherwise indicated.
 4. Bolt Throw: 1/2 inch, with latch made of hardened steel.
 5. Provide strike that matches frame.

2.11 DOOR PULLS AND PUSH PLATES

- A. Manufacturers:
 1. Rockwood; an Assa Abloy Group company; 110X73C/73CL: www.assaabloydss.com/#sle.

2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Door Pulls and Push Plates: Comply with BHMA A156.6.
 1. Pull Type: Straight, unless otherwise indicated.
 2. Push Plate Type: Flat, with square corners, unless otherwise indicated.
 - a. Edges: Beveled, unless otherwise indicated.
 3. Material: Stainless steel, unless otherwise indicated.

2.12 COORDINATORS

- A. Manufacturers:
 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Coordinators: Provide on doors having closers and self-latching or automatic flush bolts to ensure that inactive door leaf closes before active door leaf.
 1. Type: Bar, unless otherwise indicated.
 2. Material: Aluminum, unless otherwise indicated.
 3. Ensure that coordination of other door hardware affected by placement of coordinators and carry bar is applied properly for completely operable installation.

2.13 CLOSERS

- A. Manufacturers; Surface Mounted:
 1. Basis of Design: LCN, an Allegion brand; Series 4100: www.allegion.com/us/#sle.
- B. Closers: Comply with BHMA A156.4, Grade 1.
 1. Type: Surface mounted to door.
 2. Provide hold open feature and limit stop where indicated on door schedule.
 3. Provide door closer on each fire-rated and smoke-rated door.
 4. Where an overlapping astragal is included on pairs of swinging doors, provide coordinator to ensure door leaves close in proper order.
 5. At corridor entry doors, mount closer on room side of door.

2.14 OVERHEAD STOPS AND HOLDERS

- A. Manufacturers:
 1. Glynn-Johnson, an Allegion brand; 450 Series: www.allegion.com/us/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Overhead Stops and Holders (Door Checks): Comply with BHMA A156.8, Grade 1.
 1. Provide stop for every swinging door, unless otherwise indicated.

2.15 KICK PLATES

- A. Manufacturers:
 1. Rockwood; an Assa Abloy Group company; Product #1050: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
 1. Size: 10 inch high by 2 inch less door width (LDW) on push side of door.

2.16 ELECTROMAGNETIC DOOR HOLDERS

- A. Manufacturers:
 1. Rixson or Sargent; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Electromagnetic Door Holders: Comply with BHMA A156.15.
 1. Type: Wall mounted, single unit, heavy duty, with strike plate attached to door.
 2. Holding Force, Heavy Duty: 300 lbs-force, minimum.

3. Voltage: 12 VDC, and provide power supplies by same manufacturer as holders.
4. Fail safe; door released to close automatically when electrical current is interrupted.
5. Provide interface with fire detectors and fire-alarm system for fire-rated door assemblies.

2.17 WALL STOPS

- A. Manufacturers:
 1. Rockwood; an Assa Abloy Group company; 403: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Wall Stops: Comply with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.
 1. Provide wall stops to prevent damage to wall surface upon opening door.
 2. Type: Bumper, concave, wall stop.
 3. Material: Aluminum housing with rubber insert.

2.18 THRESHOLDS

- A. Manufacturers:
 1. National Guard Products, Inc; 426: www.ngpinc.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Thresholds: Comply with BHMA A156.21.
 1. Provide threshold at each exterior door, unless otherwise indicated.
 2. Type: Flat surface.
 3. Material: Aluminum.
 4. Threshold Surface: Fluted horizontal grooves across full width.
 5. Field cut threshold to profile of frame and width of door sill for tight fit.
 6. Provide non-corroding fasteners at exterior locations.

2.19 WEATHERSTRIPPING

- A. Manufacturers:
 1. National Guard Products, Inc; 170NDKB: www.ngpinc.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Weatherstripping: Comply with BHMA A156.22.
 1. Head and Jamb Type: Self-adhesive.
 2. Door Sweep Type: Encased in retainer.
 3. Material: Aluminum, with neoprene weatherstripping.
 4. Provide weatherstripping on each exterior door at head, jambs, unless otherwise indicated; .
 5. Provide door bottom sweep on each exterior door, unless otherwise indicated.

2.20 GASKETING

- A. Manufacturers:
 1. National Guard Products, Inc; 2525B: www.ngpinc.com/#sle.
 2. Substitutions: See Section 01 6000-Product Requirements.
- B. Gasketing: Comply with BHMA A156.22.
 1. Head and Jamb Type: Self-adhesive.
 2. Material: Silicone Bulb.
 3. Provide gasketing for smoke control doors, as indicated on drawings, that complies with local codes, requirements of assemblies tested in accordance with UL 1784.

2.21 SILENCERS

- A. Manufacturers:
 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 2. Substitutions: See Section 01 6000 - Product Requirements.

- B. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
 - 1. Single Door: Provide three on strike jamb of frame.
 - 2. Pair of Doors: Provide two on head of frame, one for each door at latch side.
 - 3. Material: Rubber, gray color.

2.22 EXIT MOTION SENSOR

- A. Manufacturers:
 - 1. Securitron; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Exit Motion Sensor: Interior passive infrared detection device to initiate door release of exit door magnetic lock.
 - 1. Power: 12 VDC.
 - 2. Provide adjustable detector face to allow for precise pattern configurations, and easy pattern adjustment.
 - 3. Provide relay that operates before transistor to prevent false alarms.
 - 4. Operating Temperature: 32 to 110 degrees F.

2.23 POWER SUPPLY

- A. Power Supply: Hard wired, with multiple zones providing eight (8) breakers for each output panel with individual control switches and LED's; UL (DIR) Class 2 listed.
 - 1. Power: 24 VAC, 10 Amp; with 120 VAC power supply.
 - 2. Operating Temperature: 32 to 110 degrees F.
 - 3. Provide with emergency release terminals that release devices upon activation of fire alarm system.

2.24 FINISHES

- A. Finishes: Provide door hardware of same finish, unless otherwise indicated.
 - 1. Primary Finish: 626; satin chromium plated over nickel, with brass or bronze base material (former US equivalent US26D); BHMA A156.18.
 - 2. Exceptions:
 - a. Where base material metal is specified to be different, provide finish that is an equivalent appearance in accordance with BHMA A156.18.
 - b. Hinges for Fire-Rated Doors: Steel base material with plated finish, in compliance with NFPA 80.
 - c. Door Closer Covers and Arms: Color as selected by Architect from manufacturer's standard colors unless otherwise indicated.
 - d. Aluminum Surface Trim and Gasket Housings: Anodized to match door panel finish, not other hardware, unless otherwise indicated.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
- C. Use templates provided by hardware item manufacturer.
- D. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on

drawings.

1. For Steel Doors and Frames: See Section 08 1113.
2. For Aluminum-Framed Storefront Doors and Frames: See Section 08 4313.
3. Flush Wood Doors: See Section 08 1416.
4. Mounting heights in compliance with ADA Standards:
 - a. Push Plates/Pull Bars: 42 inch.
 - b. Deadlocks (Deadbolts): 48 inch.
- E. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

3.03 ADJUSTING

- A. Adjust work under provisions of Section 01 7000 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.04 CLEANING

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.
- B. Clean adjacent surfaces soiled by hardware installation.
- C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.
- D. See Section 01 7419 - Construction Waste Management and Disposal for additional requirements.

3.05 PROTECTION

- A. Protect finished Work under provisions of Section 01 7000 - Execution and Closeout Requirements.
- B. Do not permit adjacent work to damage hardware or finish.

END OF SECTION