

ADDENDUM NO. 2

June 27, 2022

Additions and Renovations to Edgewood Intermediate School
7620 E Edgewood Ave.
Indianapolis, IN, 46239

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated May 23, 2022, by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2 - 1 through ADD 2 - 1 and attached Gibraltar Design Addendum No. 1, dated June 16, 2022, consisting of 2 pages and Drawing Sheets: S-001, SF111, SF113, A-201, A-202, A-203, A-601, A-909, A-911, E-112, E-601 and ES-102. Specification Section 12 66 00 Folding Bleachers.

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Edgewood Intermediate School Additions and Renovations** for Franklin Township Community School Corporation, Indianapolis, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum, and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and Addendum One, and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

- 1. Specification Section 04 20 00 Unit Masonry**
 - A. Change Paragraphs 2.6 A.1 and 2.6 A.2 to read:
 - "1. Brick Color A: Belden Brick Company, Blend Indian Red Velour and Royalty Velour.
 2. Brick Color B: Belden Brick Company, Dutch Gray Velour."
- 2. Specification Section 12 66 00 Folding Bleachers**
 - A. Replace Specification Section 12 66 00, Folding Bleachers, with Specification Section 12 66 00, included in this Addendum.
- 3. Specification Section 22 10 00 Plumbing Piping**
 - A. Add MiFab to approved manufacturers for roof and overflow drains, floor drains, cleanouts, water hammer arrestors and heavy duty no-hub fittings.
- 4. Specification Section 23 31 16 Fabric Duct Systems**
 - A. Add Prihoda to list of approved manufacturers.
- 5. Specification Section 23 33 00 Ductwork Accessories**
 - A. Add Prihoda to list of approved manufacturers.
- 6. Specification Section 23 81 15 Air Terminal Units**
 - A. Add Duravent to list of approved manufacturers.
- 7. Specification Section 26 09 27 Relays**
 - A. In Paragraph 2.2, delete Asco as a manufacturer as they no longer manufacture the Asco 918 series relays. Add Square D 8903 Series lighting contactor with NEMA 3R enclosure and ABB(GE) CR460 Series Lighting Contactor with hinged cover as approved manufacture

DRAWINGS

1. Sheet S-001

- A. Refer to revised, full-size drawing, included in this Addendum, for revised information in "Slab Schedule" for "B" slab type.

2. Sheet SF111

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Added dimensions to show new framing grids start distances away from existing building line and column grids along Column Grid N.
 - 2. Along Column Grid L, near Grid 9.2, elevated slab information tag has been added for Mechanical Mezzanine floor.

3. Sheet SF113

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Add dimension line to show new framing grids start distances away from existing building line near Grid 1.
 - 2. Add Note 6 to review the demo required of existing canopy.

4. Sheets A-201, A-202, A-203

- A. Refer to three (3) revised, full-size drawings, included in this Addendum, for revisions.

5. Sheet A-601

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.

6. Sheets A-909 and A-911

- A. Refer to two (2) revised, full-size drawings, included in this Addendum, for revisions.

7. Sheet E-112

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.

8. Sheet E-601

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.

9. Sheet ES-102

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.

Pages 1 through 2, inclusive, Specification Section 12 66 00, and Twelve (12) Full-Size Drawings constitute the total makeup of **Addendum Two**.



SECTION 12 66 00

FOLDING BLEACHERS

1 General

1.1 Section Includes

- A. Electrically operated wall attached folding bleachers with plastic seats.

1.2 Related Sections

- A. Section 09 64 29 – Wood Flooring: Coordinate locations of additional supports required below folding bleacher section wheels.
- B. Division 26 - Equipment Wiring Systems.

1.3 References

- A. PS 1 - Construction and Industrial Plywood.

1.4 System Description

- A. Multiple tiered, closed deck seating rows operating on the telescopic principle; stacking vertically in minimal floor area when not in use.
- B. Secure second moving row of the manually operated folding bleachers with both friction and mechanical locks.
 - 1. Lock all other rows mechanically, operable only upon unlocking and cycling of first row.
- C. Bleacher row consisting of risers, seat, and deck components, and a complete set of supportive columns and braces.
- D. Provide locking system to permit discretionary securement of one, several, or all rows in use or stacked position with tier catch at each and every stand.

1.5 Quality Assurance

- A. Deviation: Each bidder to furnish with his bid a list and clarification of deviations from these specifications.
- B. Product Improvements: Incorporate manufacturer's design improvements and materials current at time of shipment.

1.6 Submittals

- A. Submit shop drawings, including electrical requirements and wiring diagrams, under provisions of Division 1.
- B. Submit product data under provisions of Division 1.

- C. Manufacturer's installation instructions.
- D. Manufacturer's instructions for operation and maintenance.

1.7 Design Criteria

- A. Design folding bleachers to support and resist, in addition to their own weight, the following forces.
 - 1. Seatboards and Footboards:
 - a. Live load of 120 pounds per linear foot and 100 pounds per square foot.
 - b. Side sway load of 24 pounds per linear foot of row.
 - c. Front to rear sway load of 10 pounds per linear foot of row.
- B. Design hand railings, posts, and supports to withstand the following forces applied separately:
 - 1. Concentrated load of 200 pounds applied at any point and in any direction.
 - 2. Uniform load of 50 pounds per foot applied in any direction.
- C. Design guard railings, posts, and supports to withstand the following forces applied separately:
 - 1. Concentrated load of 200 pounds applied at any point and in any direction along top rail.
 - 2. Uniform load of 50 pounds per foot applied in horizontally at top rail and a simultaneous uniform load of 100 pounds per foot applied vertically downward.

1.8 Delivery, Storage, And Handling

- A. Deliver products to site and store products on site under provisions of Division 1.
- B. Do not deliver bleachers to site until destination space is ready to receive them.
- C. Coordinate size of access and route to place of installation.

1.9 Warranty

- A. Provide ten year warranty for the assembly from date of Substantial Completion by the Owner.

1.10 Demonstration

- A. Instruct Owner's Personnel in operation, care and maintenance of Folder Bleachers.

2 Products

2.1 Folding Bleachers - Acceptable Manufacturers

- A. Hussey Seating Company, North Berwick, Maine.
- B. The Irwin Telescopic Seating Company, Altamont, Illinois; Model 5000.
- C. Interkal, Inc., Kalamazoo, Michigan.

2.2 Materials

- A. Basis of Design: Hussey MXM 26 Series Telescopic Gym Seats with Flex Row.
- B. Electrically Operated Folding Bleachers in Gymnasium K-113.
 - 1. Closed deck telescopic bleachers equal to Hussey Maxam.
 - 2. Type: Wall-attached.
 - 3. Quantity: Minimum 1500 seats. Two banks of 14 rows each.
 - 4. Dimensions:
 - a. Rise: 9 5/8 inches.
 - b. Row Spacing: 24 inches.
 - 5. Propulsion:
 - a. Furnish and install integral automatic electro-mechanical propulsion system, equal to Hussey Pow-R-Trac units, 1/2 hp, 200 Volt, 3-phase motor, to open and close each telescopic section.
 - 1) Limit Switches: Furnish and install both open and closed limit switches to automatically stop integral power operation when seating has reached the fully extended or closed position.
 - 2) Utilize a combination of contactors and limit switches to insure the wiring is not energized except during operation.
 - 3) Assure full visual control of the seating bank during operation.
 - 4) Movement of a section same as movement of the entire bank.
 - b. Provide friction drive system capable of operating on any floor surface, not limited to bank size.
 - c. Automatic propulsion system consisting of dual output shaft gear reducer with wheels covered with a non-marring rubber compound.
 - 1) Fit reducers with induction motors providing an average operating speed of 45 fpm.
 - 2) Provide motors adjustable for floor variations.

- 3) Install motors under second moving row. Skirt board to be hinged at all motor locations for easy access.
 - d. Provide all conduit, wiring, and controls within seating bank beyond power source.
 - e. Provide one pendant control station with 12 foot power cord for each bank of bleachers and one extra pendant control station.
 - 1) Locate pendant control connection point behind first row kick board at one end of the bleacher bank.
 - f. Provide control transformer(s) as necessary to derive control voltage(s). Provide fuse protection on transformer primaries.
6. Accessories:
- a. Flex-Row: Provide entire first row to meet ADA requirements and for use by able-bodied persons as well. Provide each flex-row unit with an unlock lever to lock bleacher seats in position when fully opened, for easy deployment if wheelchair access is required. Locate unlock lever accessible from front of bleachers.
 - 1) Provide black, full surround skirting, 1/2 inch off the floor.
 - 2) Provide black injection molded end cap for the nose beam.
 - 3) Provide a mechanical positive lock when the Flex-Row system is in open and used position.
 - 4) Provide recoverable handicap spaces if not used for wheelchair seating.
 - 5) Provide quantity of Flex Row modules to allow flexibility to locate ADA positions in different locations.
 - 6) Provide manually operated first row.
 - b. Provide a properly supported, flush mounted, scribe fitted filler between top row and wall to afford a minimum top seat board width of 15 inches.
 - c. End Closure Curtains: Provide closure curtains fabricated of vinyl-coated 18 ounce polyester fabric on open ends. Permanently attach curtains to wall and secure to individual rows of seating. Curtain to open with unit into taut secure configuration and fold automatically as unit closes.
 - d. Provide foot level aisles, 4 feet wide, with intermediate steps and Euro style rail at all aisle locations.
 - e. Provide adhesive-backed abrasive non-slip tread surfaces at all aisle locations.

- f. Provide hinged front steps @ aisles.
- g. Provide automatic rotating aisle rails
- 7. Safety Accessories: Provide the following safety features:
 - a. Coin round or roll all edges of exposed metal on top and underneath bleacher to eliminate sharp edges.
 - b. Provide plastic end cap on nose metal at bank ends to close off edges to prevent spectator injury.
 - c. Provide plastic end cap on back of deck supports on first 7 rows to prevent spectator injury.
 - d. On first row, provide front and side skirt boards any where there is an exposed end to prevent players/balls from sliding underneath the first row.
 - e. Provide metal cover over motor chains and wheels to protect chains from debris and provide a safety switch that if cover is taken off the power system will not work.
 - f. Provide metal end deck cover on each row to cover exposed edge of plywood at the ends of the bleachers.

2.3 Fabrication

- A. Frames: Fully welded assemblies comprised of high tensile steel upper cantilever arm, vertical column, and gusseted lower track assembly to assure maximum strength.
- B. Wheels: 5 inches minimum diameter with 1 inch non-marring soft rubber face designed to protect wood or synthetic floor surfaces.
- C. Fit telescopic base with not less than eight wheels under each moving row.
- D. Provide formed box channel columns of high tensile steel, fitted with braces to meet design conditions.
- E. Provide row interlocks to join each row structure front to rear by means of eight interacting steel connections, plus automatic gravity locks.
- F. Plastic Seating: Equal to Hussey Comfort Flat Top molded high density structural polyethylene seating with flush front; 10 inches width; textured surface; integral support ribs.
 - 1. Provide 18 inches long unitized interlocking modules, molded of high density polyethylene with not less than 1/4 inch wall thickness incorporating both lateral and longitudinal internal reinforcement ribs.
 - 2. Provide a broad flat vertical fascia when stored, without projections.

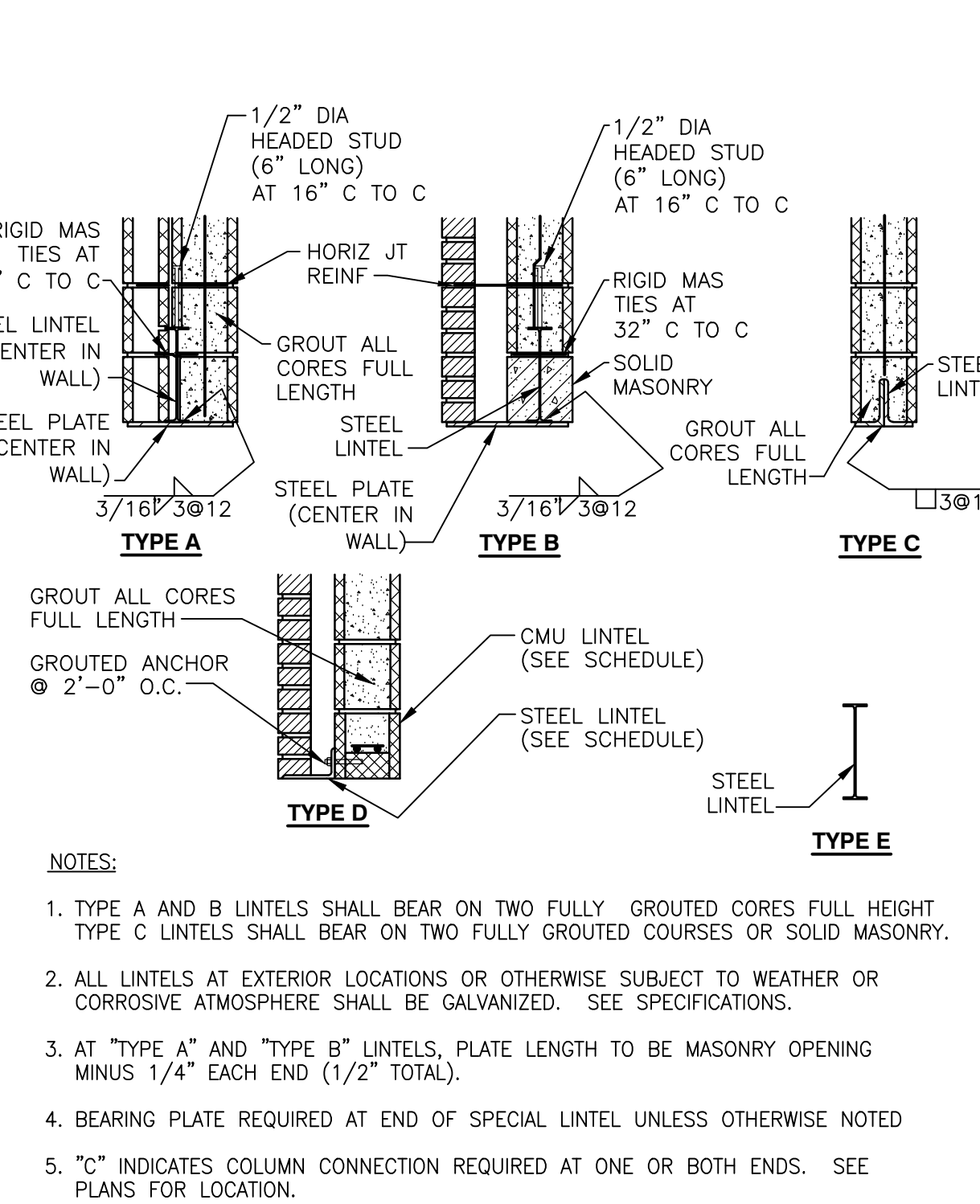
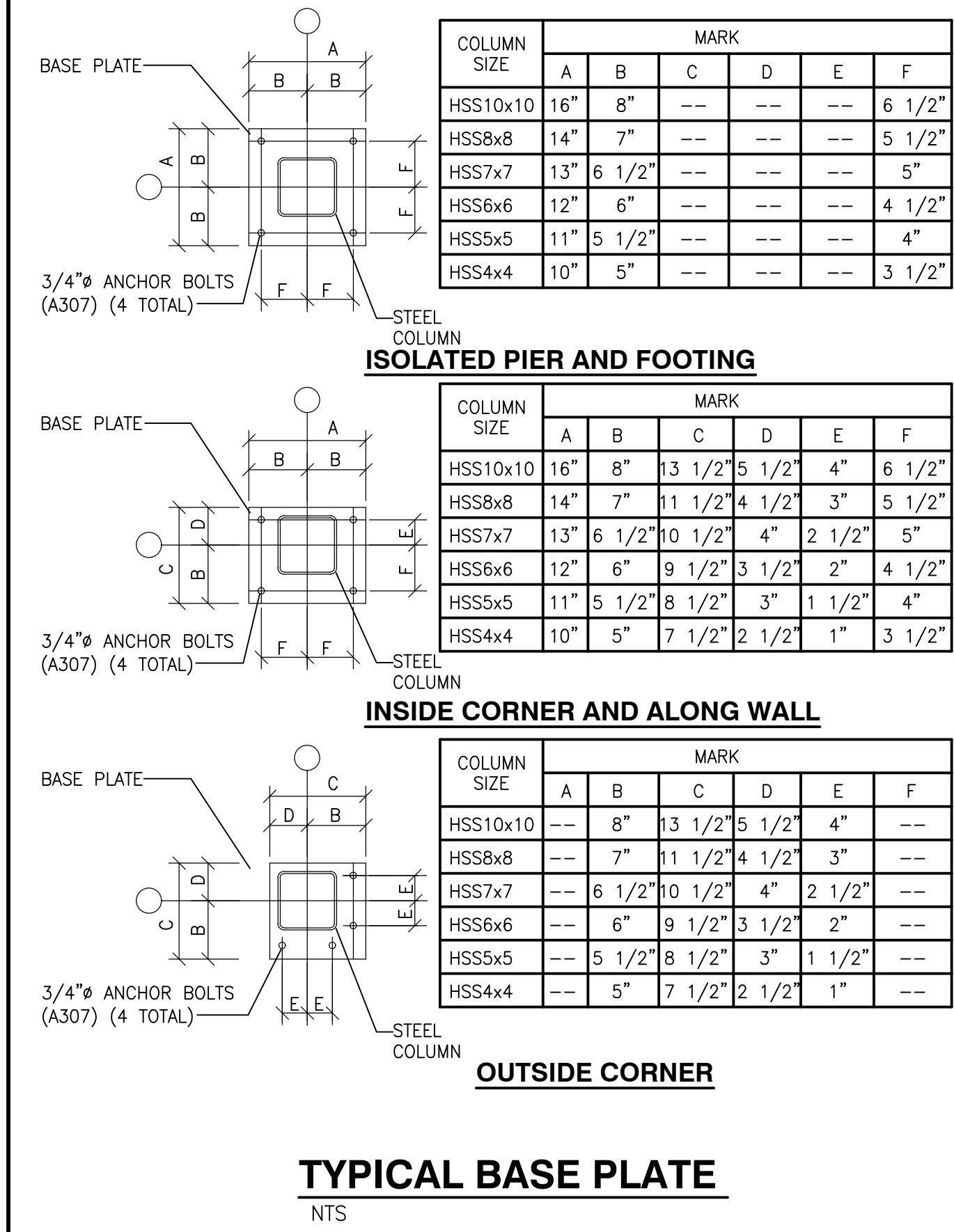
3. Secure each seat support against fore/aft movement by not less than two transversely sited fasteners, spaced not less than 2 3/4 inches on center, tying seat structure to deck nosing.
 - a. Enclose end of each seating row.
 - b. Provide end caps with detent for row letters.
 - c. Make provisions for each seating module to accept seat number plates.
- G. Decking: Fabricate from 5/8 inch nominal plywood with exterior glue, five-ply; all plies Group 1 plugged crossband under face; produced in conformance with PS-1 of the National Bureau of Standards. Plastic laminate decking is not acceptable.
- H. Make all welds at factory by welders certified on equipment and process used.
- I. Provide formed steel front and rear members to fully support all transverse edges of the decking.
 1. Underlay decking with numerous lateral "Z's" to provide added stiffness and attachment.
- J. Cantilevered Seat Supports: Taper formed high tensile steel to provide optimum foot room beneath seats.
- K. Form rigid closed deck structure with decking and "Z" supports to provide positive containment.
 1. Fabricate deck structure leaving no opening large enough for any major human extremity to pass through, either accidentally or deliberately.
- L. Make all structural connections with S.A.E. stress rated bolts and self-locking nuts.
 1. Do not use self-tapping bolts or screws or locking nuts.
- M. Fabricate entire steel understructure of the manually operated folding bleachers in Pool utilizing galvanized steel.
 1. Cadmium plate all other metal parts.
- N. Finish:
 1. Steel: Clean understructure and finish with Black low gloss enamel.
 - a. Finish steel risers with corrosion resistant silver gray matte finish zinc alloy plating.
 2. Railings: Powder coat semi gloss black paint.

3 Execution

3.1 Installation

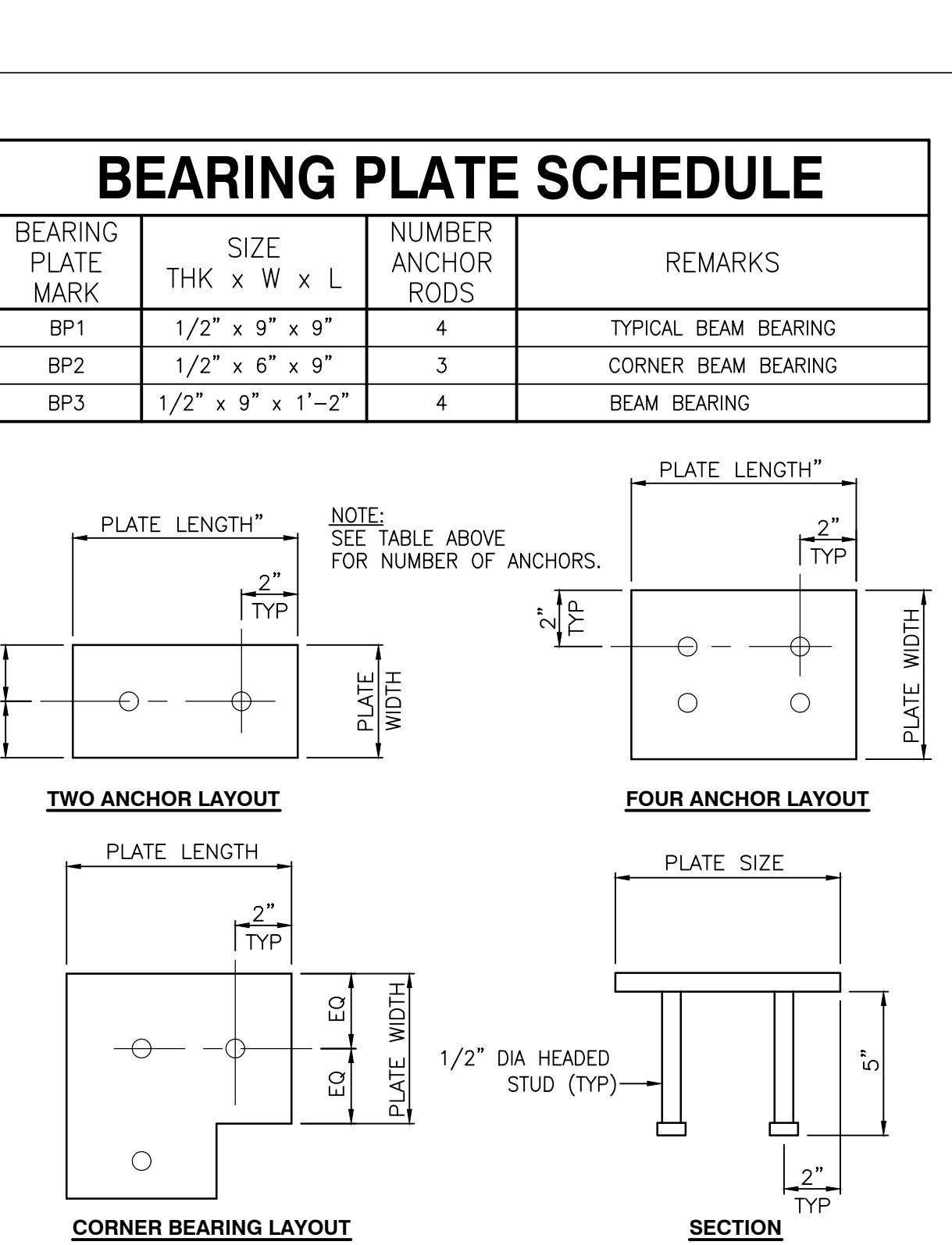
- A. Verify that areas to receive telescopic bleachers are free of impediments interfering with installation.
- B. Install telescopic bleachers in accordance with manufacturer's instructions and approved submittal drawings.
- C. Coordinate work with others.

END OF SECTION



MARK	SIZE	CONTINUOUS PLATE		ELEVATION	TYPE
		TOP	BOTTOM		
SL-1	W12x22	-	-	3/A-412	E

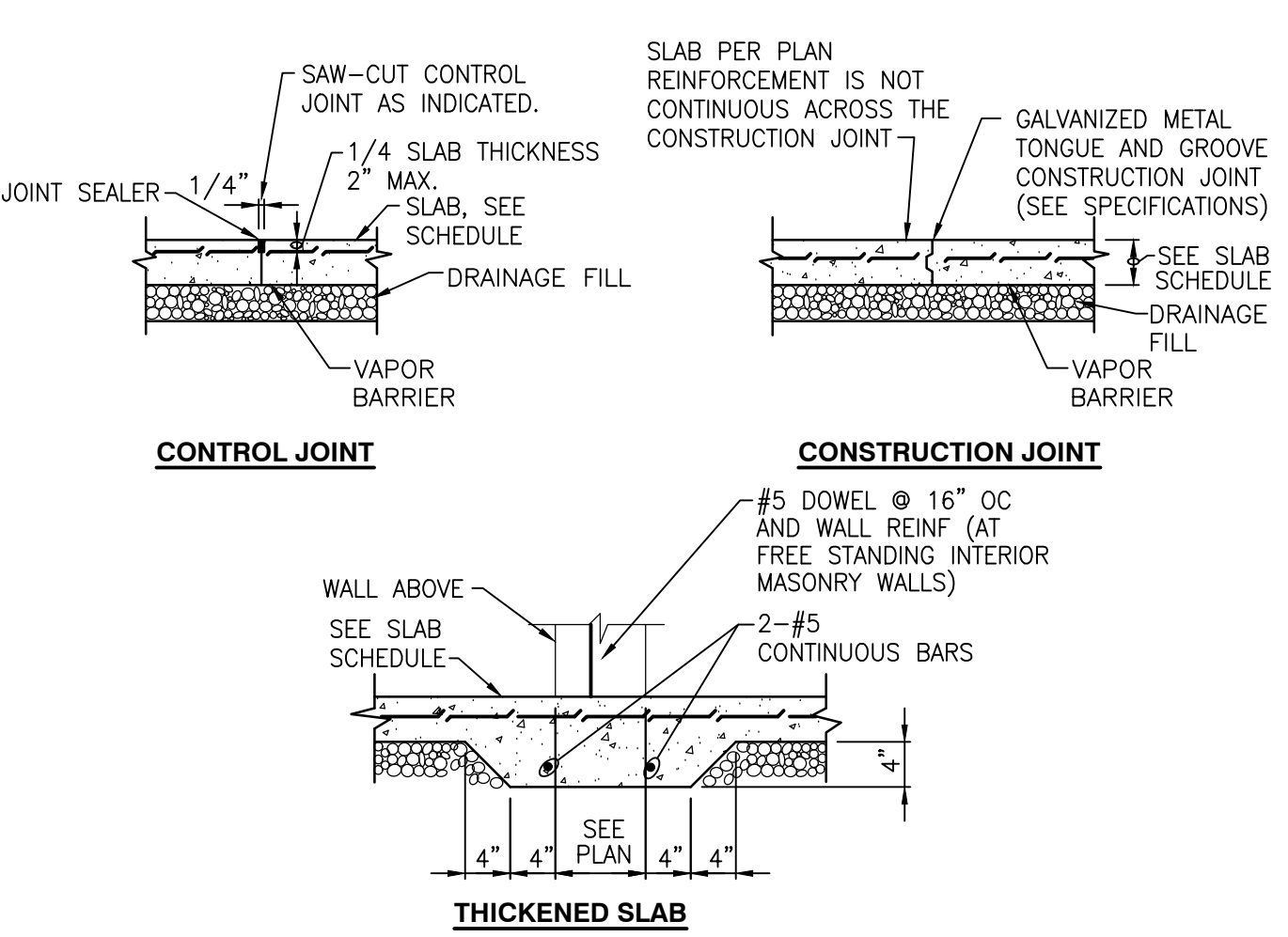
BEARING PLATE SCHEDULE



PANEL MARK	CMU THICKNESS (BACK-UP)	VERTICAL REINFORCING SIZE SPA	TOP OF BOND BEAM ELEVATIONS	REMARKS	DETAIL
PANEL 1	8"	#5 40"	12'-0"	INSP	(SEE ARCH)
PANEL 2	8"	#5 40"	12'-8"	INSP	(SEE ARCH)
PANEL 3	12"	#6 32"	12'-0", 20'-8", 32'-0", 34'-8"	INSP	(SEE ARCH)
PANEL 4	8"	#5 48"	10'-0"	INSP	(SEE ARCH)

MASONRY WALL PANEL SCHEDULE

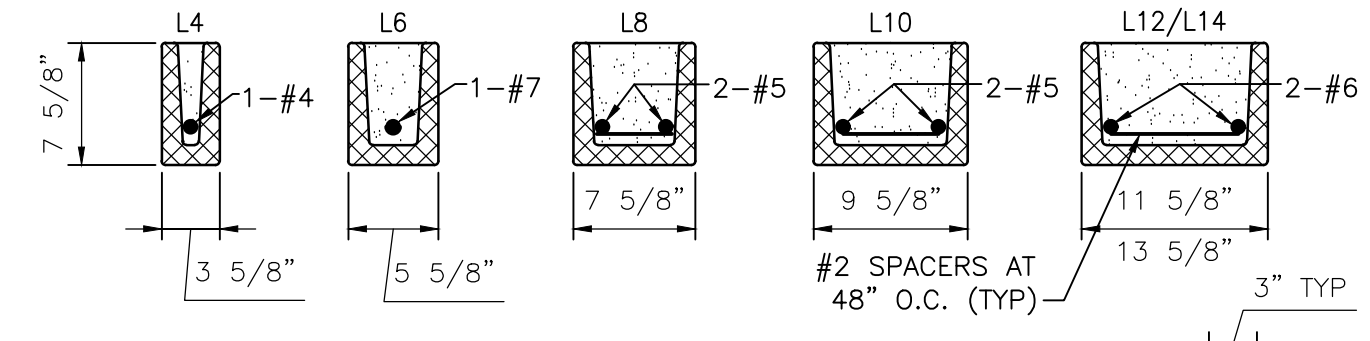
SLAB SCHEDULE				FOOTING SCHEDULE			
MARK	DEPTH	REINFORCEMENT	REMARKS	MARK	WIDTH	DEPTH	REINFORCEMENT
4"	4"	WWF 6x6 W2.1KW2.1	6" DRAINAGE FILL	F24	24"	12"	3-#5 LONGITUDINAL #5 AT 24" O.C. TRANSVERSE
4 1/2"	4 1/2"	WWF 6x6 W2.1KW2.1	USE 2" - 20GA COMPOSITE DECK				



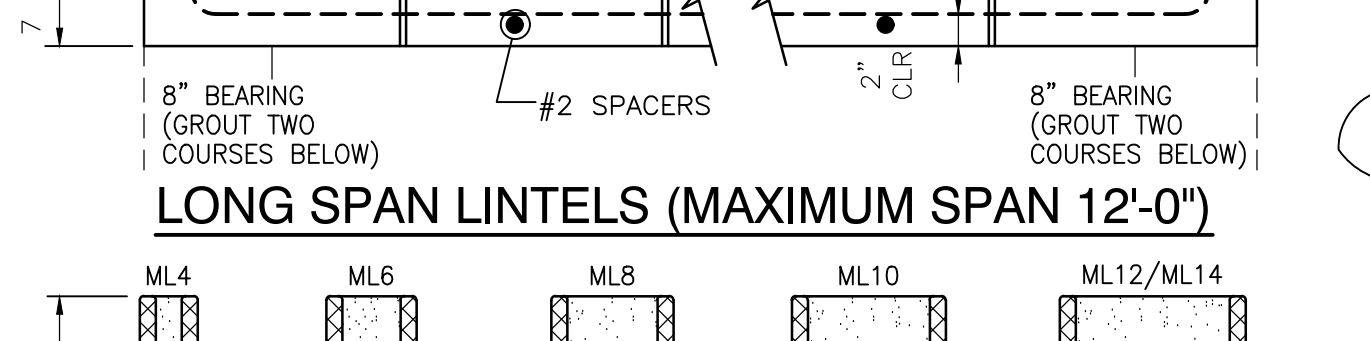
TYPICAL SLAB ON GRADE

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

SHORT SPAN LINTELS (MAXIMUM SPAN 8'-0")

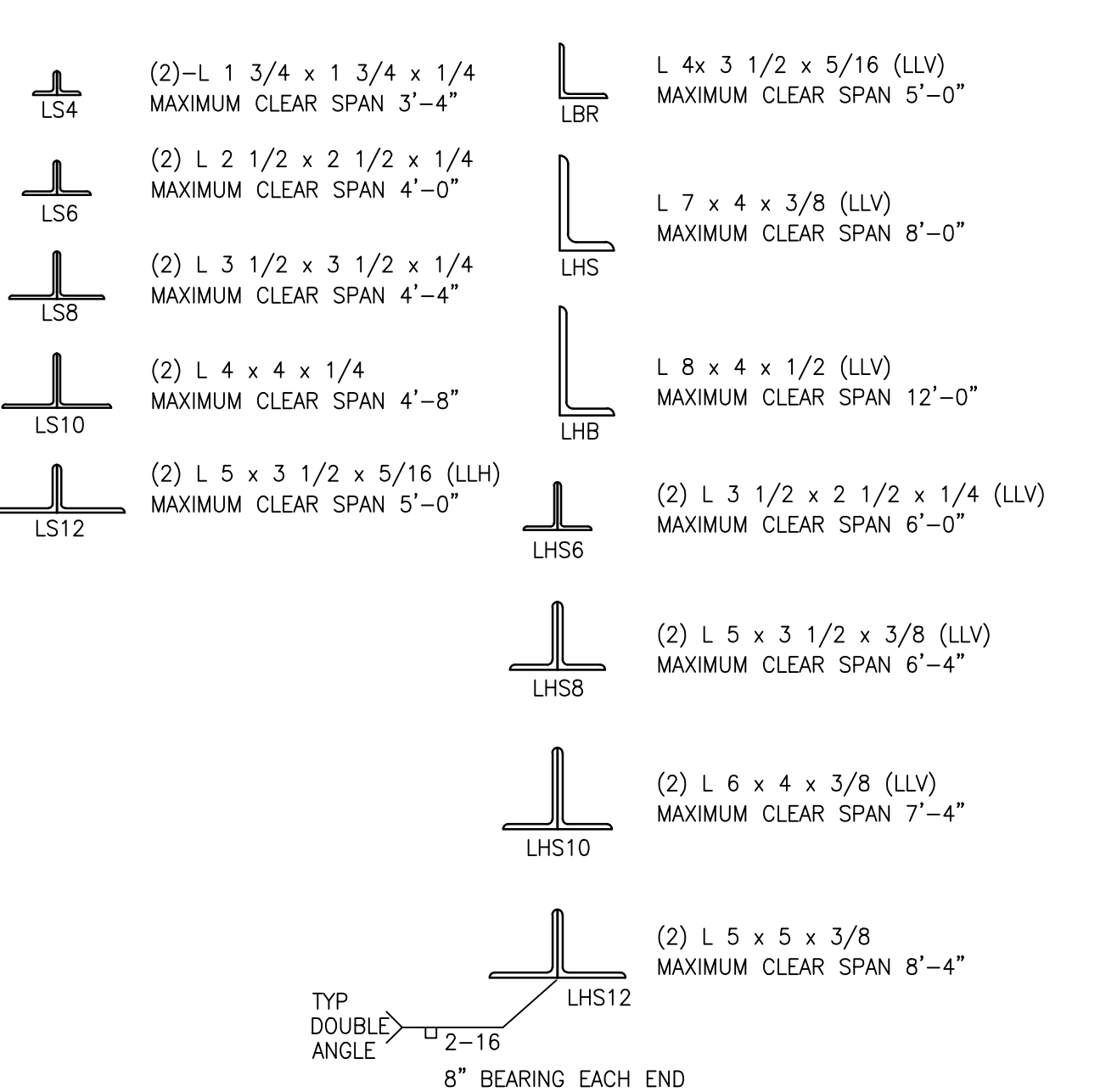


LONG SPAN LINTELS (MAXIMUM SPAN 16'-0")



CMU LINTEL SCHEDULE

SCALE: NTS

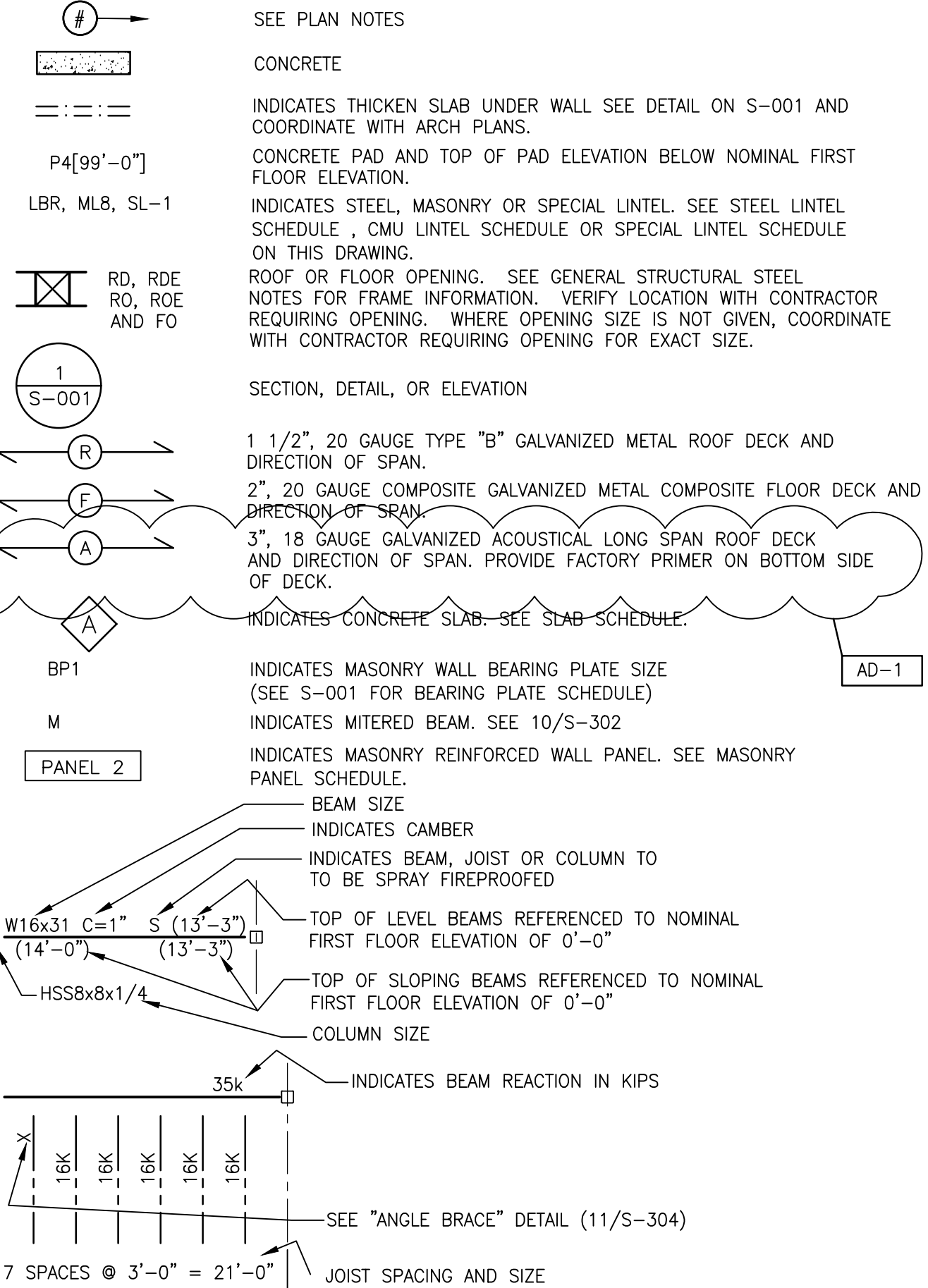


LINTEL NOTES

- LINTELS SHALL BEAR ON SOLID MASONRY OR ON TWO CMU COURSES FULLY GROUTED, UON.
- FURNISH AND INSTALL ALL LOOSE LINTELS REQUIRED FOR ALL OPENINGS IN MASONRY, INCLUDING MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.
- ALL LINTELS AT EXTERIOR LOCATIONS OR OTHERWISE SUBJECT TO WEATHER OR CORROSIVE ATMOSPHERE SHALL BE GALVANIZED.

STEEL LINTEL SCHEDULE

STRUCTURAL LEGEND



GENERAL DESIGN NOTES

- BUILDING CODE 2014 INTERNATIONAL BUILDING CODE - (WITH INDIANA ADJUDMENTS)
- DESIGN LOADS:
ROOF LOADS: DL (PSF) CLASSROOM 32 CORRIDORS 65 OFFICE 32 ENTRY 29
FLOOR LOADS: DL (PSF) GENERAL 40 STORAGE 150
FLOOR LOADS: LL (PSF) GENERAL 40 ROOF LOADS: LL (PSF) GENERAL 20
- SNOW LOAD INFORMATION:
GROUND SNOW LOAD (Pg) - 20 PSF + DRIFT
SNOW EXPOSURE FACTOR (Ce) - 0.9
SNOW LOAD IMPORTANCE FACTOR (Is) - 1.1
THERMAL FACTOR (Ct) - 1.0
FLAT ROOF SNOW LOAD (Pp) - 28 PSF
- WIND LOAD INFORMATION:
BASIC WIND SPEED: V ult - 120 MPH
WIND IMPORTANCE FACTOR - 1.15
BUILDING CATEGORY - III
WIND EXPOSURE - C
INTERNAL PRESSURE COEFFICIENT (Cp) - ±0.18
- SEISMIC DESIGN DATA:
SEISMIC USE GROUP - II
SPECTRAL RESPONSE COEFFICIENTS
Sds - 0.14
Sd1 - 0.10
SITE CLASS - D
BASIC SEISMIC FORCE-RESISTING SYSTEM - 2P
DESIGN BASE SHEAR (V) - 0.043W
ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE
- VERIFY ALL EXISTING CONDITIONS, WHERE ACTUAL CONDITIONS ARE DIFFERENT THAN INDICATED ON THE DRAWINGS, CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.

GENERAL FOUNDATION/CONCRETE NOTES

- ALL CONCRETE SHALL BE STONE/GRAVEL AGGREGATE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS NOTED IN THE SPECIFICATIONS.
- ALL REINFORCING STEEL SHALL CONFORM, TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
- ALL FOOTINGS AND PADS ARE DESIGNED TO BEAR ON UNDISTURBED SOIL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF.

GENERAL STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL SHALL CONFORM TO THE STANDARD SPECIFICATION FOR STRUCTURAL STEEL, ASTM A992, UNLESS NOTED OTHERWISE.
- ALL JOIST ANCHORS, BEAM BEARING PLATES, LINTELS, METAL DECK ANCHORS, AND NEEDLE BEAMS ARE TO BE FURNISHED BY THE STRUCTURAL METALS CONTRACTOR AND INSTALLED BY THE MASONRY CONTRACTOR.
- PROVIDE CURB ANGLES 3x3x1/4 TO SUPPORT ROOF DECK AT OPENINGS, UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL FABRICATOR SHALL PROVIDE STEEL FILLERS ON BEAM FLANGES WHERE REQUIRED FOR THE BEARING OF METAL DECK.
- STRUCTURAL STEEL FABRICATOR SHALL PROVIDE SUPPORTS FOR METAL DECK AT PERIMETER COLUMNS, BUILDING CORNERS AND ALL OTHER LOCATIONS AS REQUIRED FOR COMPLETE INSTALLATION OF DECK.

GENERAL STEEL DECK NOTES

- METAL DECK MANUFACTURER SHALL PROVIDE 6" WIDE, 22 GAUGE COVER PLATES AT ALL DECK SPICE LOCATIONS WHERE THE ROOF DECK HAS A CHANGE IN DIRECTION OR SLOPE.
- METAL DECK MANUFACTURER SHALL PROVIDE RECESSED SUMP PANS TO ACCOMMODATE ROOF DRAINS IN ALL METAL ROOF DECKS.

GENERAL MASONRY NOTES

- ALL CONCRETE MASONRY ASSEMBLAGES ARE DESIGNED FOR AN ULTIMATE COMPRESSIVE STRENGTH f'm = 1500 PSI.
- ALL BEAMS AND LINTELS WHICH BEAR ON MASONRY SHALL BEAR A MINIMUM OF 8 INCHES ONTO MASONRY UNLESS OTHERWISE NOTED.
- BLOCK WALLS SHALL BE LAID UP IN A RUNNING BOND PATTERN UNLESS OTHERWISE NOTED.
- PROVIDE BRACING FOR ALL NON-LOAD BEARING BLOCK PARTITION WALLS PER THE TYPICAL BRACING DETAILS. (4/S-303)
- ALL MASONRY WALLS ON FOUNDATIONS (INTERIOR AND EXTERIOR) SHALL BE REINFORCED WITH #5 AT 48" C TO C UNLESS OTHERWISE NOTED.

GENERAL STEEL JOIST NOTES

- ALL STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE. JOIST SUBSTITUTES ARE TO BE EQUAL TO VULCRRAFT "VS" SERIES.
- ALL ROOF JOISTS ARE TO BE DESIGNED FOR A NET UPLIFT AS FOLLOWS:
ALL AREAS: 10PSF
- DESIGN EACH JOIST SEAT FOR A 1 KIP LATERAL LOAD PERPENDICULAR TO THE SEAT DUE TO DIAPHRAGM ACTION. (UNLESS OTHERWISE NOTED - SEE PLANS)

UNDERPINNING NOTES

- EXISTING FOOTING SCHEDULE SHALL BE HAND EXCAVATED IN LENGTHS (PARALLEL TO EXISTING WALL) NOT GREATER THAN SIX (6) FEET AND TO THE WIDTH OF THE EXISTING FOOTING. EXCAVATED AREAS SHALL BE SPACED AT NOT LESS THAN EIGHTEEN (18) FEET ON CENTERS SO THAT NO MORE THAN ONE-THIRD (1/3) OF THE EXISTING FOOTING IS UNDERCUT AT ANY TIME. EXCAVATING SHALL BE DONE FROM THE EXTERIOR OF THE EXISTING FOUNDATION. (SEE 7/S-301)
- UNDERPIN FOOTINGS SHALL BE FORMED AGAINST EARTH EXCEPT FOR EXPOSED SURFACES WHICH SHALL BE FORMED. ALL EARTH SHALL BE REMOVED FROM THE ADJOINING FACE OF UNDERPIN FOOTINGS PRIOR TO PLACING THE ADJACENT SEGMENT.
- THE SPACE (2 INCHES MINIMUM) BETWEEN BOTTOM OF EXISTING FOOTING AND TOP OF UNDERPIN FOOTING SHALL BE PACKED WITH NON-SHRINK GROUT AFTER THE UNDERPIN FOOTING HAS CURED FOR 72 HOURS. NO EXCAVATION OF ADJACENT UNDERPIN SEGMENTS SHALL BE MADE UNTIL NON-SHRINK GROUT IS CURED TO A 2,000 PSI COMPRESSIVE STRENGTH, ACCORDING TO MANUFACTURERS DATA.
- IF THE UNDERPINNING OPERATION RESULTS IN THE UNDERMINING OF THE EXISTING EXTERIOR SLAB, AFTER UNDERPINNING IS COMPLETED, GROUT SHALL BE PUMPED THROUGH CORED HOLES IN THE EXISTING SLAB. GROUTING SHALL BEGIN AT ONE END. GROUT SHALL BE PUMPED INTO THE HOLE UNTIL IT IS FULL OR UNTILL GROUT BEGINS TO SHOW IN THE ADJACENT HOLE. GROUTING SHALL THEN PROCEED AT THE NEXT ADJACENT HOLE.
- UNDERPINNING CONCRETE SHALL BE f'c = 1,500 PSI AT 28 DAYS.
- AS AN ALTERNATIVE TO NOTE 3, EXPANSIVE CEMENT CONCRETE (TYPE K) MAY BE USED, AND THE GROUTING STEP MAY BE OMITTED. IF EXPANSIVE CEMENT CONCRETE IS USED, FORMED SURFACES SHALL BE SECURELY BRACED TO PREVENT MOVEMENT DURING THE CURING.
- THE INSTALLING FOUNDATION CONTRACTOR OR OWNER MUST VERIFY WHAT TYPE OF IN PLACE SHORING AND REPAIRS OR REPLACEMENT OF THE EXISTING BRICK FOUNDATION WALL IS REQUIRED, IN PLACE JACKING OF PORTIONS OF THE HOUSE CURRENTLY BEING SUPPORTED BY THE BRICK FOUNDATION IS TO BE DETERMINED BY THE INSTALLING FOUNDATION REPAIR CONTRACTOR WITH OWNERS APPROVAL PRIOR TO REMOVAL AND REPLACEMENT WITH CMU. (FIELD VERIFY)

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL
FRANKLIN TOWNSHIP COMMUNITY SCHOOL CORPORATION
INDIANAPOLIS, INDIANA

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PROJECT
21-155
DATE
05/23/22
COORDINATED BY
RM
DRAWN BY
RM
CHECKED BY
DW

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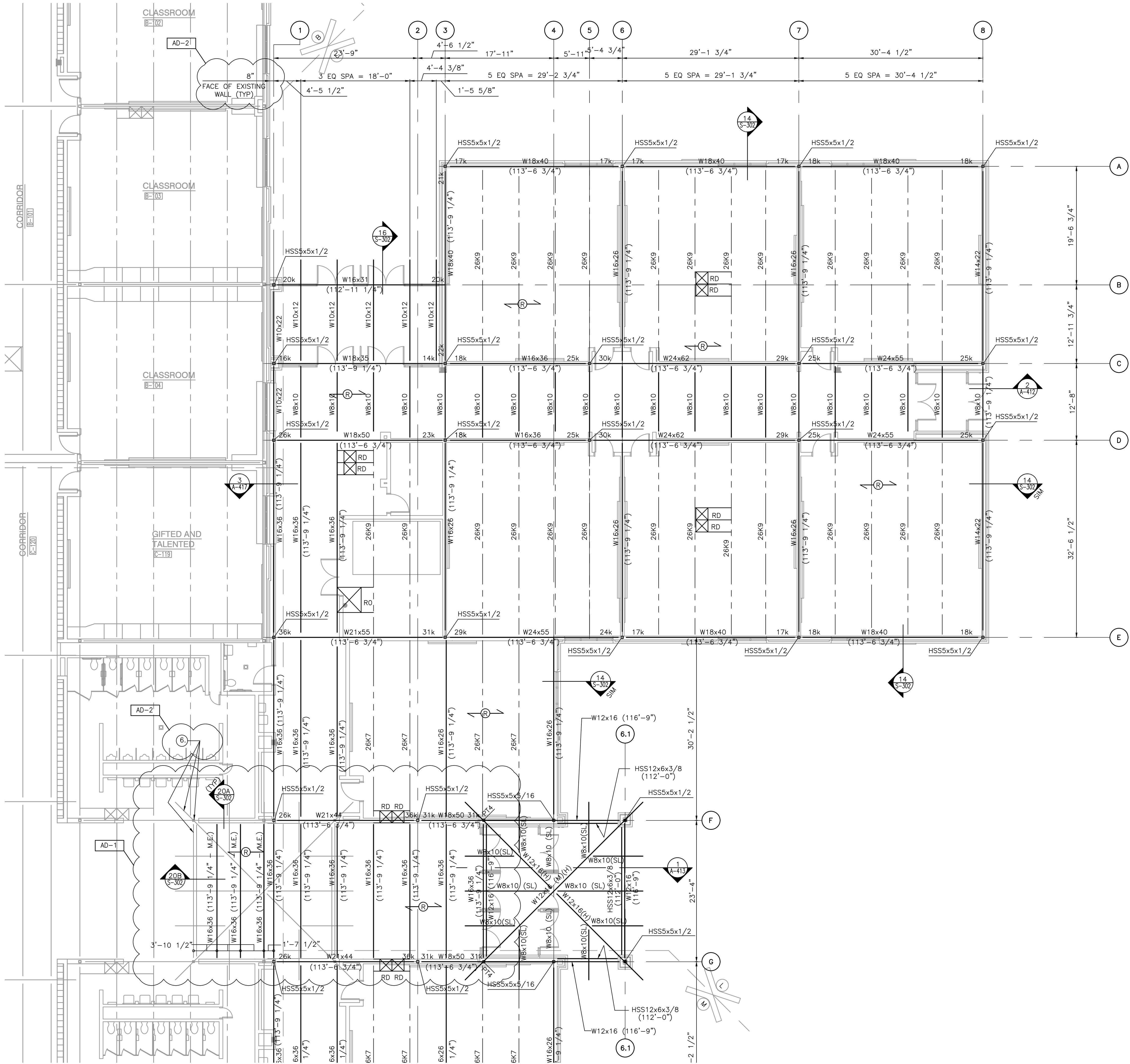
REVISIONS	MARK	DATE	ISSUED FOR
AD-1	06/16/22	ADDENDUM NO. 1	
AD-2	06/23/22	ADDENDUM NO. 2	

DRAWING STRUCTURAL SECTIONS, DETAILS AND NOTES

PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL

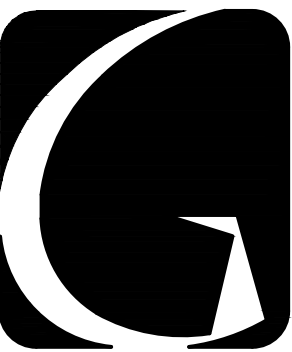
FRAMING PLAN NOTES

1. SEE DRAWING S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 0'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS.
3. "TEMPORARY BRACING NEEDED UNTIL ROOF METAL DECK DIAPHRAGM INSTALLED."
4. SEE DRAWINGS S-301 THROUGH S-303 FOR STEEL FRAMING DETAILS.
5. ROOF AND FLOOR OPENINGS REQUIRED FRAMES. SEE 7/5-302 GENERAL STEEL NOTES. RD, RO AND FO INDICATES FRAME REQUIRED (SEE PLAN).
6. DEMO ALL ROOF FRAMING ASSOCIATED WITH EXISTING ENTRY CANOPY UPPER SECTIONS BUT LOWER ROOF FRAMING TO REMAIN. (VIF)



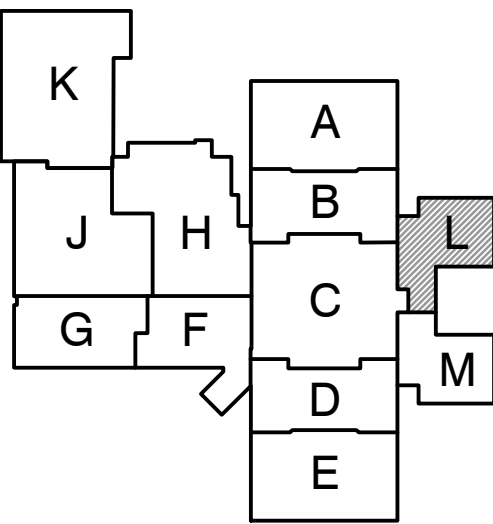
UNIT "L" ROOF FRAMING PLAN

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



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PROJECT
ADDITIONS AND
RENOVATIONS TO
**EDGEWOOD
INTERMEDIATE
SCHOOL**
FRANKLIN TOWNSHIP COMMUNITY
SCHOOL CORPORATION
INDIANAPOLIS, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN

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PROJECT: 21-155
DATE: 05/23/22
COORDINATED BY: RM
DRAWN BY: RM
CHECKED BY: RM, DW



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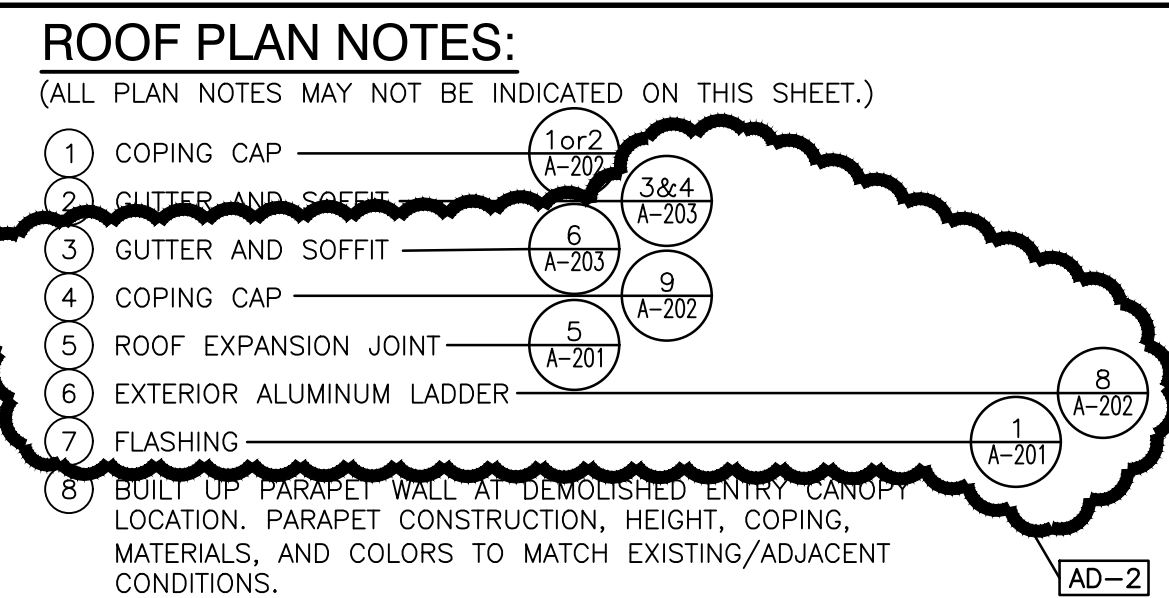
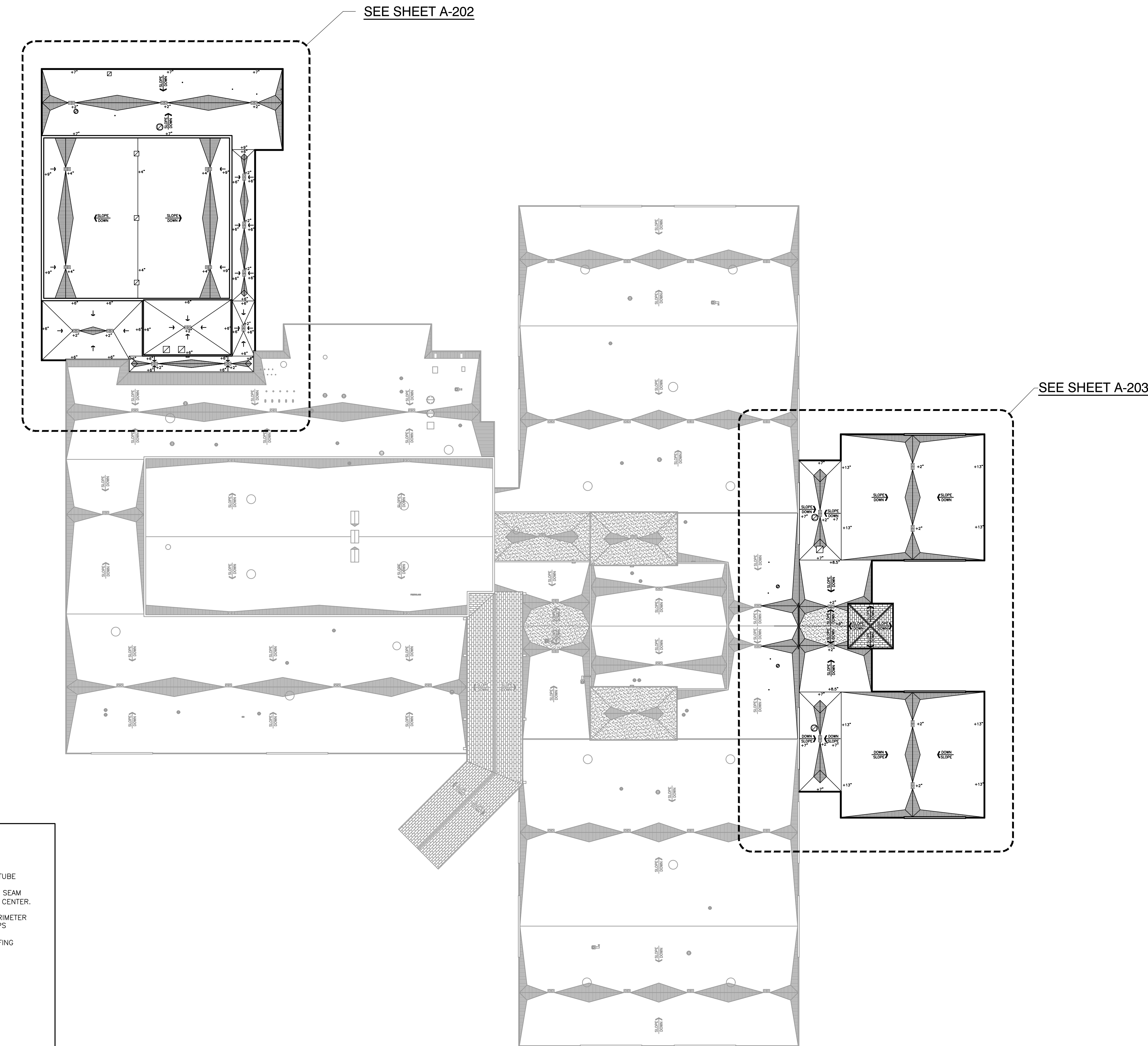
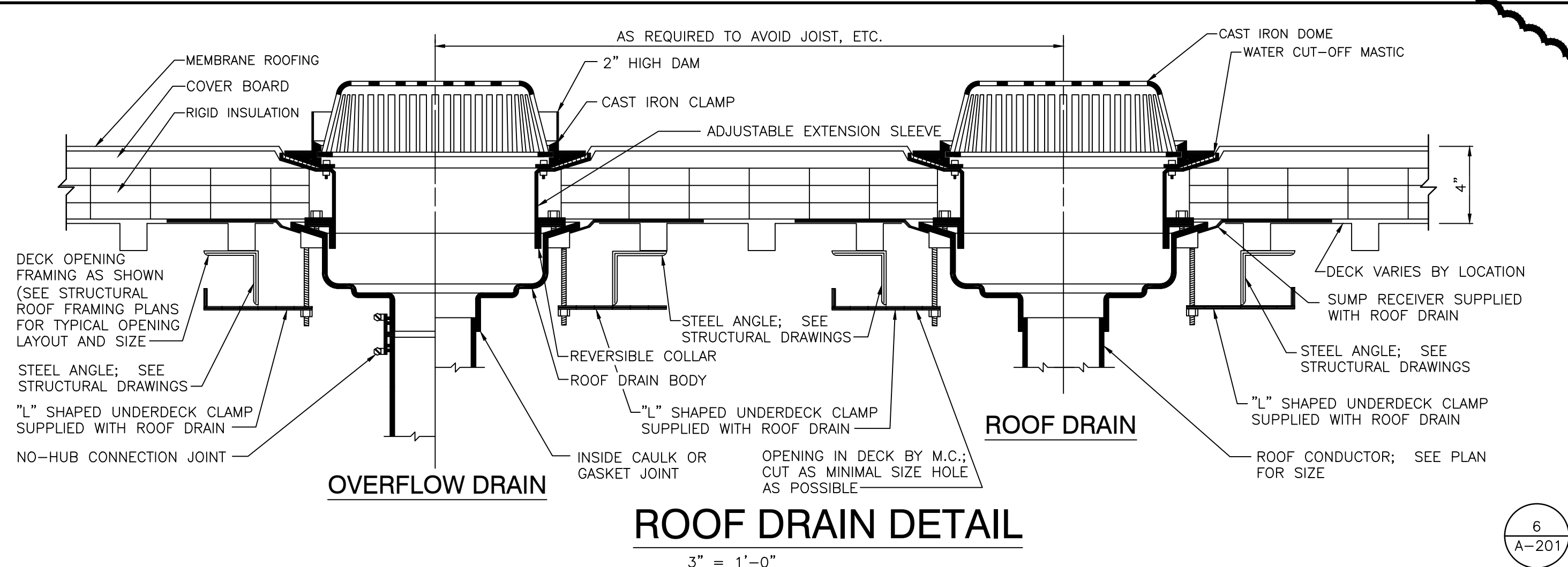
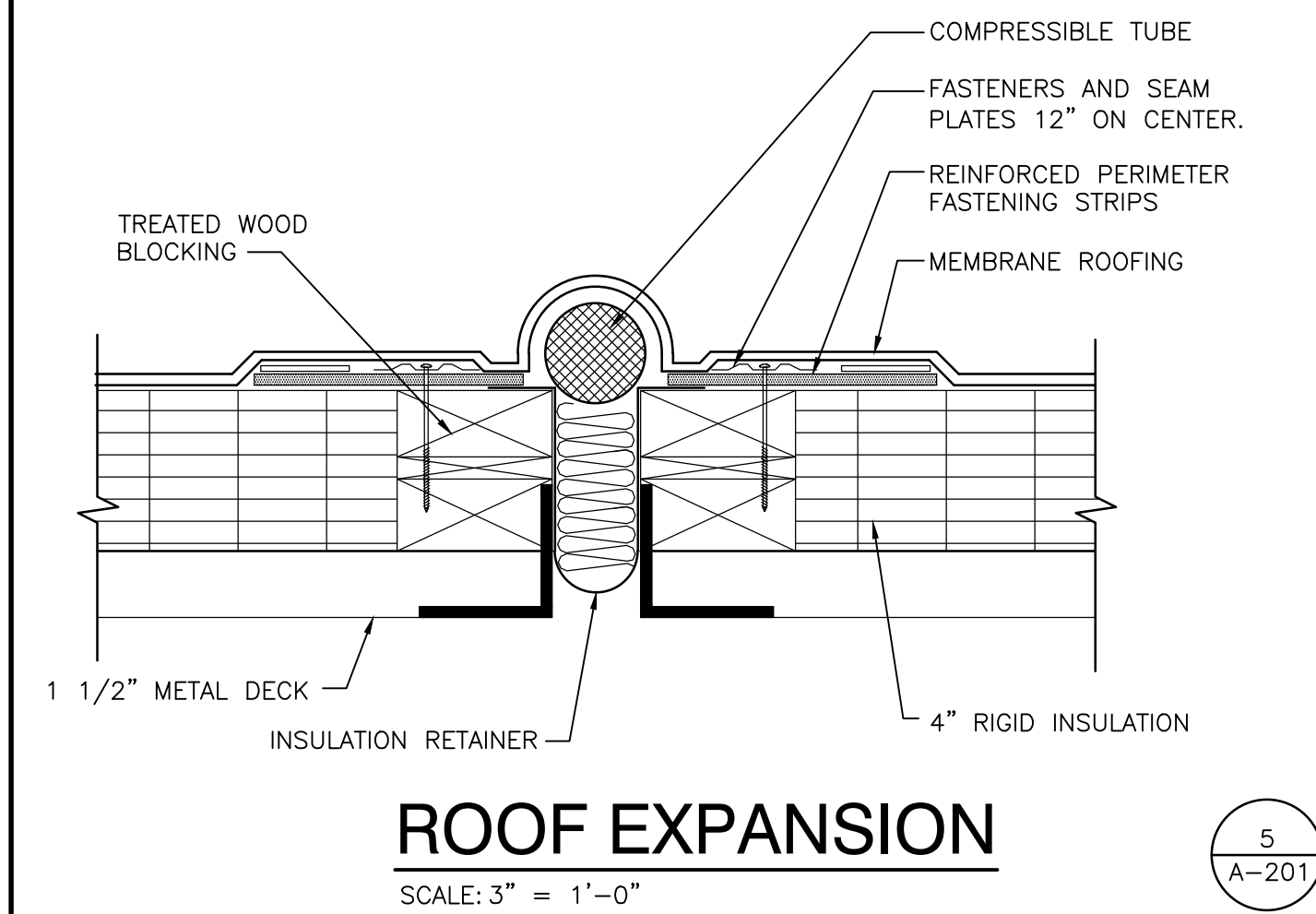
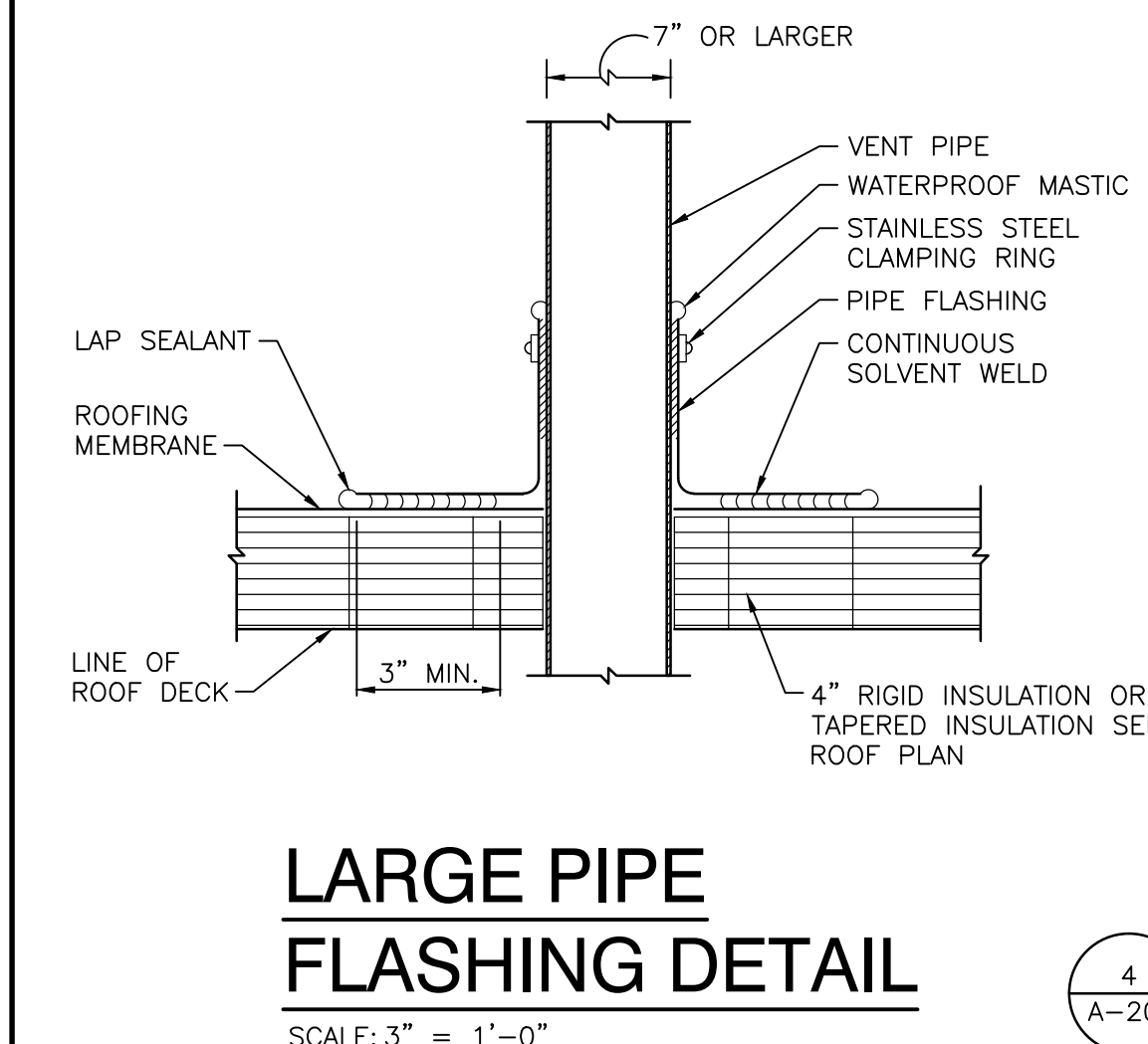
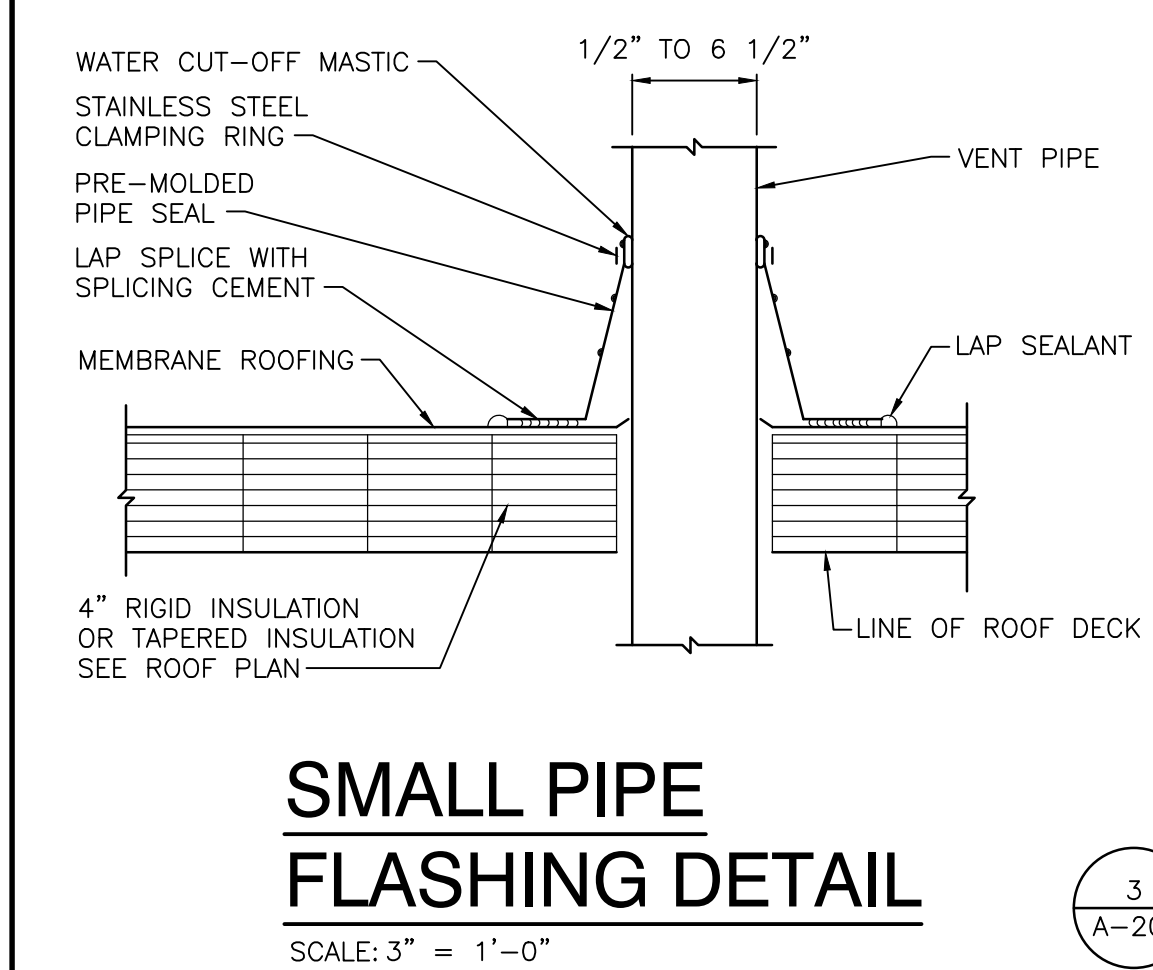
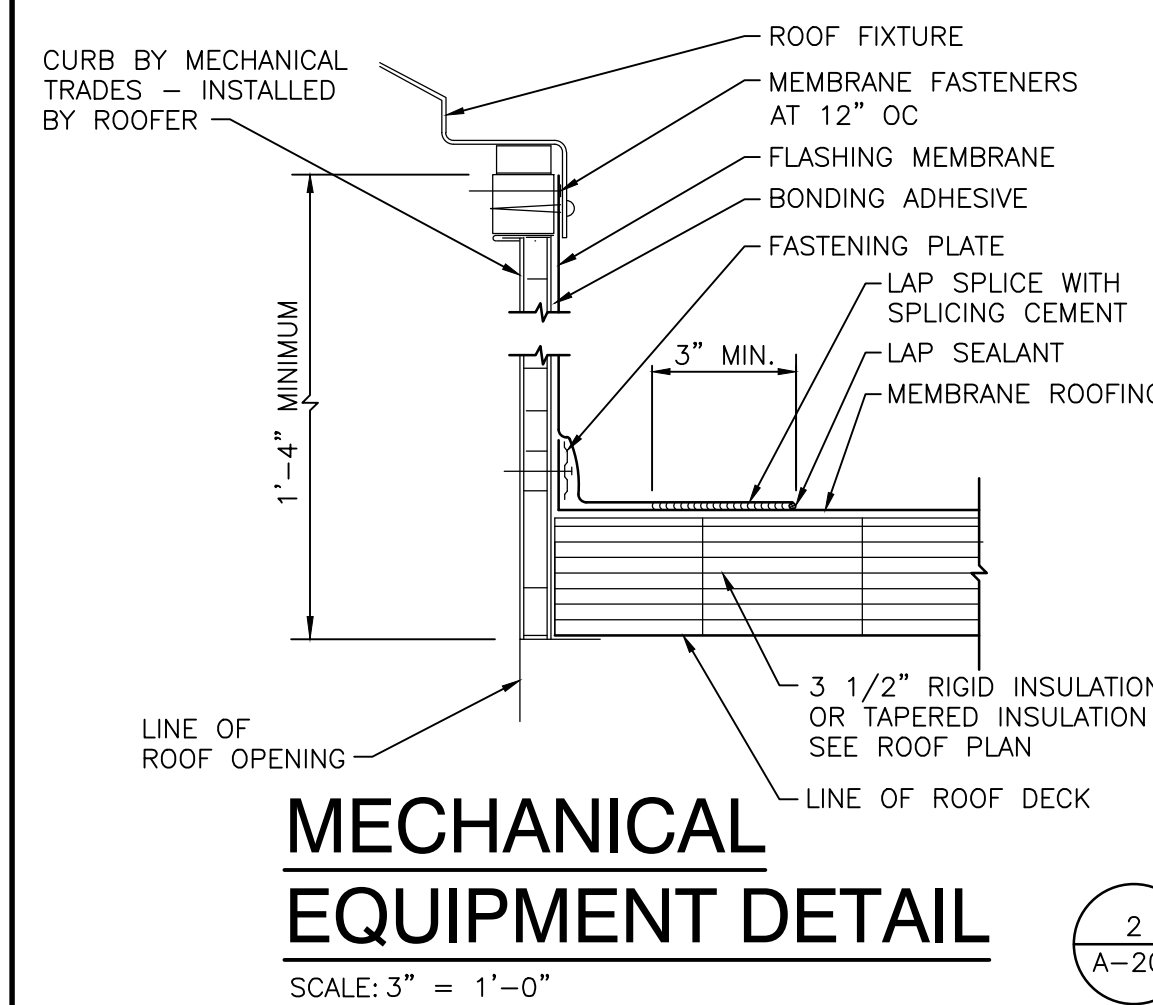
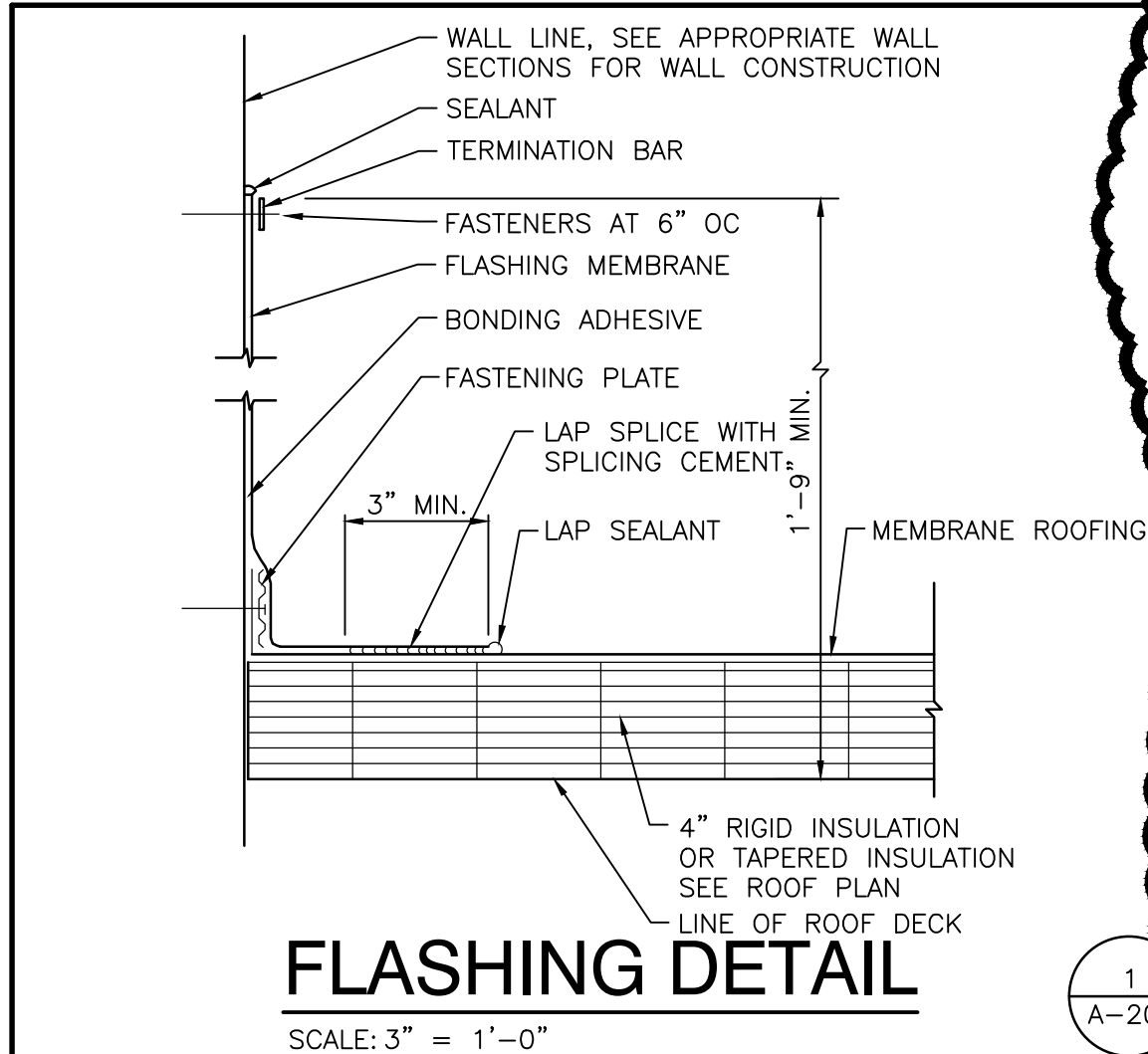
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MARK	DATE	ISSUED FOR
AD-1	06/16/22	ADDENDUM NO. 1
AD-2	06/23/22	ADDENDUM NO. 2

DRAWING
UNIT "L" ROOF FRAMING
PLAN

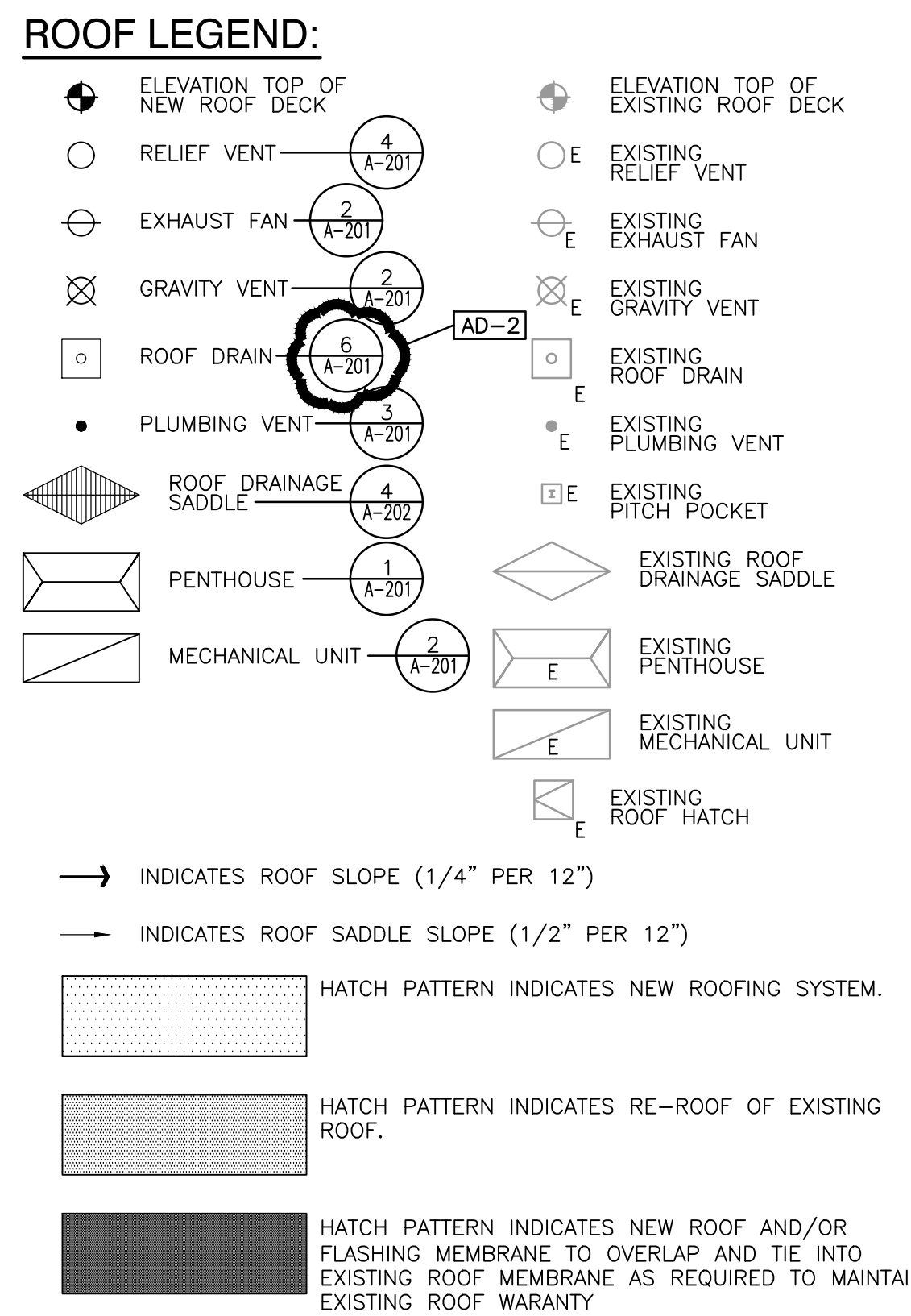
PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL

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Thursday, 6/23/2022 - 3:28 PM - LAST SAVED BY: KSCSCHULTZ
Y:\21-155 FRANKLIN TOWNSHIP CSC-EDGEWOOD IS
ADDITIONS AND RENOVATIONS\21-155 DRAWINGS\05
ARCH\A-201.DWG



- GENERAL ROOF PLAN NOTES:**
- FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G1201.
 - THERE MAY BE LOCATIONS ON THE EXISTING ROOF WHERE THE EXISTING ROOF DECK MAY NOT BE STRUCTURALLY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
 - THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.
 - ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.
 - THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. THE ROOF CONTRACTOR SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.
 - ROOF DRAIN LOCATION INDICATE DESIGN INTENT. COORDINATE LOCATIONS WITH STRUCTURAL AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
 - LOCATION AND QUANTITY OF ALL ROOF DRAINS, FLUES, VENTS, POWER AND GRAVITY VENTILATORS, ETC., SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
 - FOR NEW AND/OR EXISTING PLUMBING VENT LOCATIONS REFER TO MECHANICAL ROOF PLANS.
 - EXTEND ALL PLUMBING VENTS SO THAT THE TOP IS A MINIMUM OF 12" ABOVE THE ROOFING MEMBRANE.
 - PROVIDE NEW FLASHING AND TWO PIECE COUNTER-FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR DETAILED.
 - PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.
 - FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.
 - CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.
 - SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPES TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.
 - ALL NEW WOOD BLOCKING AND NAILERS SHALL BE TREATED WOOD.
 - DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CAREFULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
 - REMOVE ALL POWER VENTILATORS, FANS AND GRAVITY VENTILATORS. REPLACE ALL DETERIORATED, LOOSE, OR FAULTY WOOD BLOCKING. REPLACE AND EXTEND CURBS WITH NEW TREATED WOOD BLOCKING WITH TOP AT 12" MINIMUM ABOVE THE NEW ROOFING MEMBRANE. REINSTALL FANS AND VENTILATORS WITH "KORFUND ELASTO-RIB" VIBRATION ELIMINATOR, SET ON THE CURB TOP OF ALL POWER DRIVEN FANS AND VENTS.
 - REMOVE ALL EXISTING ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE EXISTING ROOF SURFACES.
 - REMOVE AND CLEAN ROOF DRAIN STRAINERS AND CLAMP RINGS. REINSTALL AFTER NEW ROOF INSULATION AND ROOFING MEMBRANE ARE IN PLACE, ANY BROKEN OR MISSING ROOF DRAIN STRAINER SHALL BE REPLACED WITH A NEW STRAINER.
 - SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.



- ROOF TYPES:**
- NEW FLAT METAL DECK; PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE FULLY-ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD OVER TAPERED INSULATION (1/4" PER FOOT) POLYISOCYANURATE INSULATION WITH MINIMUM 2" THICKNESS AND MINIMUM AVERAGE THICKNESS OF 4".
 - NEW SLOPING METAL DECK; PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE FULLY-ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD OVER 4" POLYISOCYANURATE INSULATION.
 - EXISTING ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.
 - FIBERGLASS SHINGLE ROOFING ON TWO LAYERS OF #15 FELT ON VENTED ROOF SYSTEM ON SLOPING METAL DECK (6/12 SLOPE).

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PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL
FRANKLIN TOWNSHIP COMMUNITY SCHOOL CORPORATION
INDIANAPOLIS, INDIANA

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PROJECT
21-155
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COORDINATED BY
DJW
DRAWN BY
JRH KS
CHECKED BY
DJW

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AD-2	06/23/22	ADDENDUM NO. 2	

DRAWING
OVERALL ARCHITECTURAL ROOF PLAN

PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL

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A-201

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GENERAL REFLECTED CEILING PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL, LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.
- B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.
- D. REFER TO FLOOR PLANS FOR WALL TYPES
- E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.
- F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

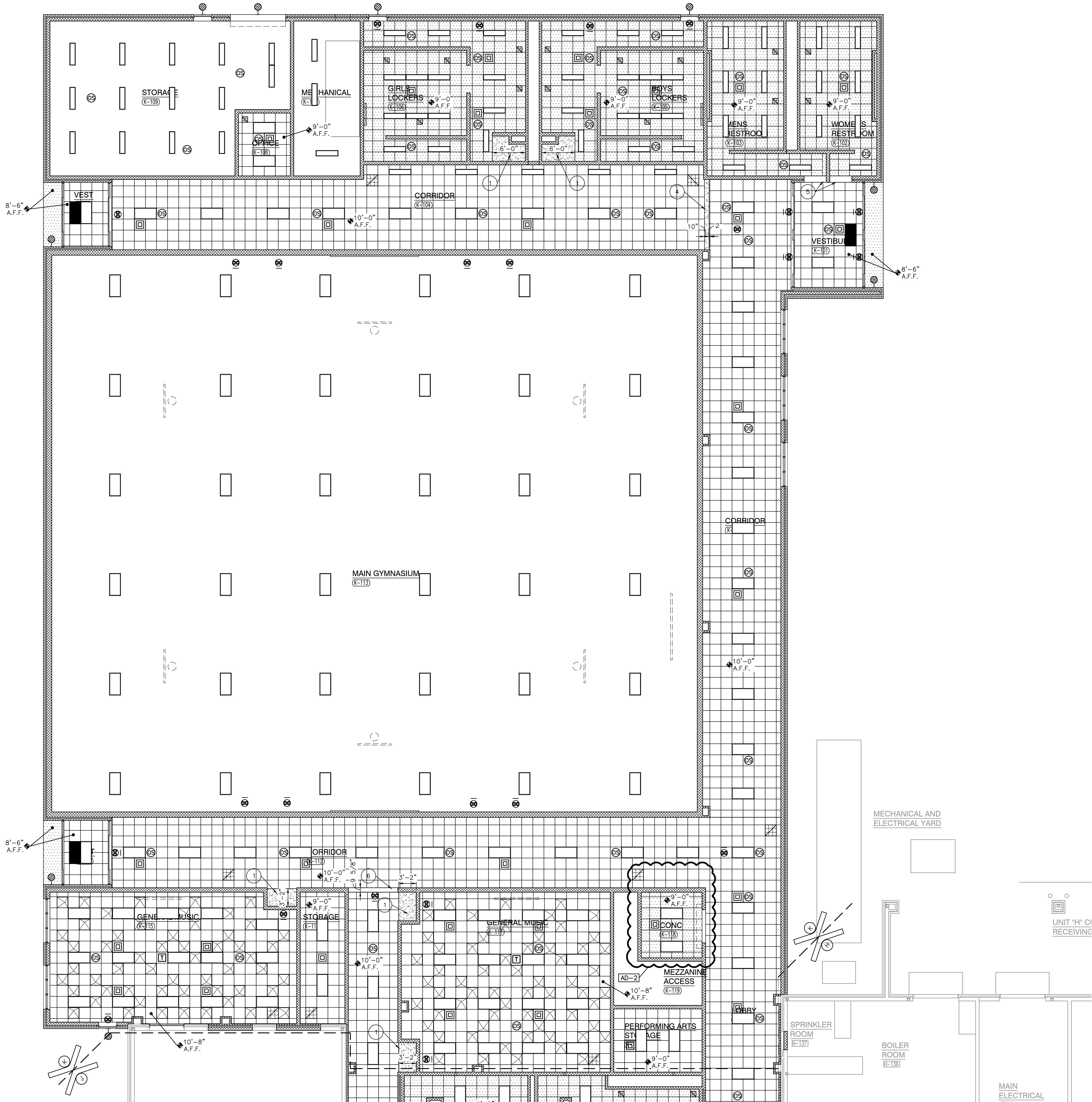
REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- EIFS SOFFIT
- ACT 1 2'-0" x 2'-0" ACST. BD. CEILING
- ACT 2 2'-0" x 2'-0" VINYL FACED ACST. BD. CEILING
- ACT 3 2'-0" x 2'-0" PYRAMIDAL DIFFUSER OF MOLDED CONSTRUCTION CEILING GRID MOUNTED
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN EXHAUST AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR
- CEILING-MOUNTED PROJECTOR

REFLECTED CEILING PLAN NOTES:

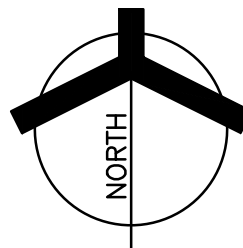
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET)

- 1 GYPSUM BOARD BULKHEAD AT 8'-0" AFF.
- 2 GYPSUM BOARD BULKHEAD AT 8'-8" AFF.
- 3 GYPSUM BOARD BULKHEAD AT 8'-0" AFF.
- 4 GYPSUM BOARD BULKHEAD AT 8'-8" AFF.
- 5 CMU LINTEL AT 8'-0" AFF. SEE STRUCTURAL.
- 6 CMU LINTEL AT 8'-8" AFF. SEE STRUCTURAL.



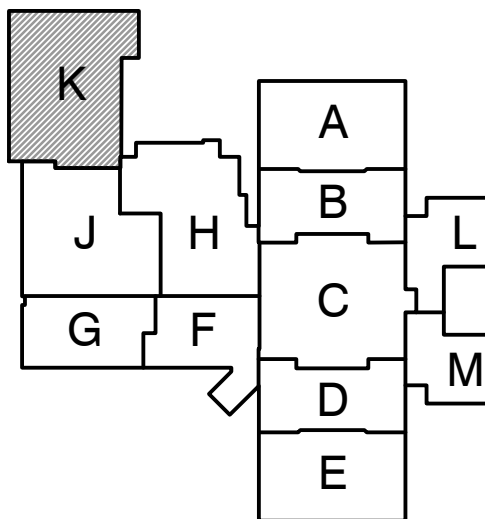
UNIT "K" FIRST FLOOR REFLECTED CEILING PLAN

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



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SCHOOL CORPORATION
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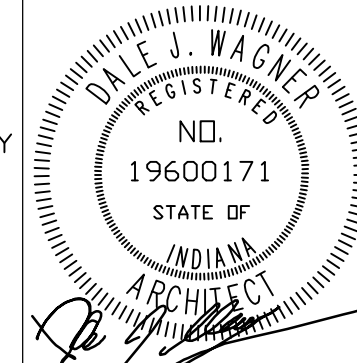


FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN

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PROJECT
21-155
DATE
05/23/22
COORDINATED BY
DJW
DRAWN BY
JRH
CHECKED BY
DJW



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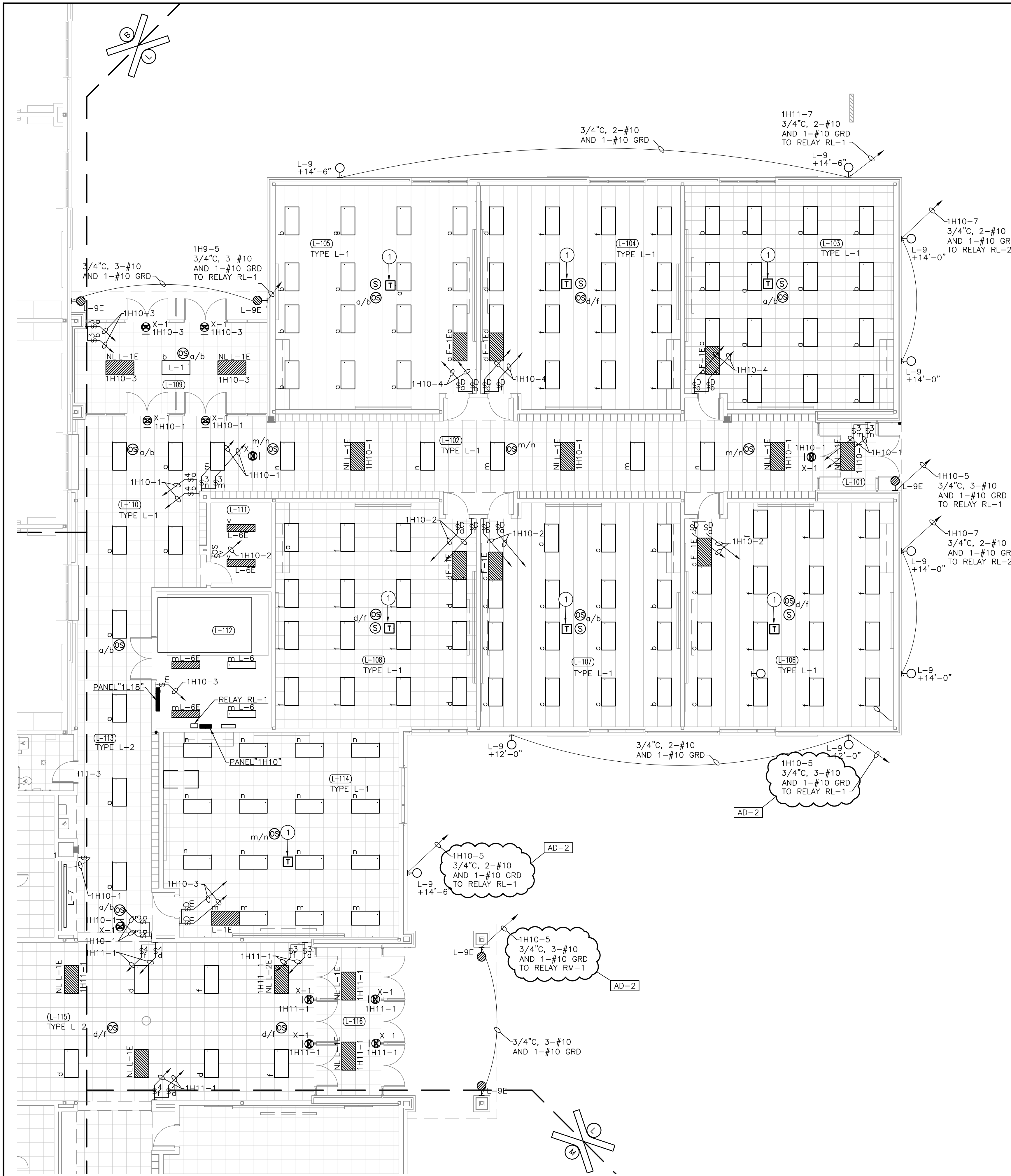
DRAWING
UNIT "K" FIRST FLOOR
REFLECTED CEILING PLAN

PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL

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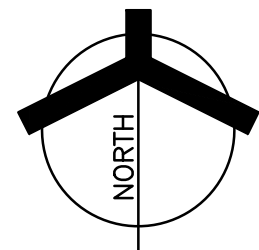
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ADDITIONS AND RENOVATIONS\21-155 DRAWINGS\05
ARCH\A-911.DWG

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ELEC\E-112.DWG



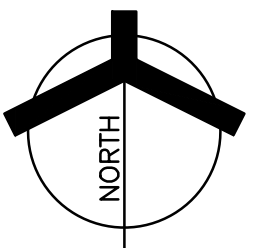
UNIT "L" ELECTRICAL FIRST FLOOR LIGHTING PLAN

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



UNIT "M" ELECTRICAL FIRST FLOOR LIGHTING PLAN

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



GENERAL NOTES:

- FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
- SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
- SEE E-700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.
- CONNECT NIGHT LIGHTS/EMERGENCY LIGHTS AND EXIT SIGNS TO CIRCUIT INDICATED AHEAD OF ANY CONTROLS.

ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

- CEILING MOUNTED VIDEO PROJECTOR PAN BY DIVISION 27 SHALL BE INSTALLED BY DIVISION 26.

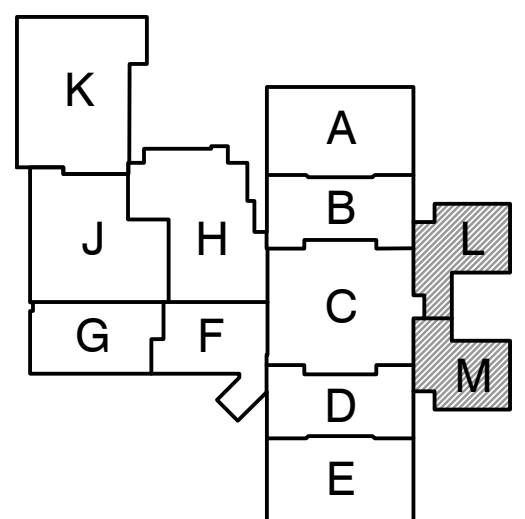
ROOM LEGEND

ROOM NO.	ROOM NAME
L-101	VESTIBULE
L-102	CORRIDOR
L-103	CLASSROOM
L-104	CLASSROOM
L-105	CLASSROOM
L-106	CLASSROOM
L-107	CLASSROOM
L-108	CLASSROOM
L-109	VESTIBULE
L-110	LOBBY
L-111	TECH
L-112	MECHANICAL
L-113	CORRIDOR
L-114	CLASSROOM
L-115	LOBBY
L-116	VESTIBULE
M-101	VESTIBULE
M-102	CORRIDOR
M-103	CLASSROOM
M-104	CLASSROOM
M-105	CLASSROOM
M-106	CLASSROOM
M-107	CLASSROOM
M-108	CLASSROOM
M-109	VESTIBULE
M-110	LOBBY
M-111	STORAGE
M-112	ELECTRICAL
M-113	TECHNOLOGY
M-114	CORRIDOR
M-115	CLASSROOM

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PROJECT

21-155

DATE

05/23/22

COORDINATED BY

PCB

DRAWN BY

PCB JVC

CHECKED BY

DJW

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	06/23/22	ADDENDUM NO. 2

DRAWING

UNITS "L" AND "M"

ELECTRICAL FIRST FLOOR
LIGHTING PLANS

PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL

GIBRALTAR DESIGN

SHEET

E-112



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EDGEWOOD INTERMEDIATE SCHOOL LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURERS	VOLTAGE	LIGHT SOURCE	MINIMUM LUMENS	DEGREE K.	MAXIMUM WATTAGE	DIMMING	MOUNTING	DESCRIPTION
X-1	SURE-LITES CX71R-SD DUAL LITE SESR-BN-F-I LITHONIA LES1R-ELN-SD ENERGY HARNESS	120/277	LED			1	NONE	SURFACE	SURFACE MOUNTED DIE CAST ALUMINUM EXIT SIGN WITH SINGLE STENCIL FACE, RED LETTERS (ARROWS AS INDICATED ON DRAWINGS), NI-CAD BATTERY AND SELF DIAGNOSTICS FEATURE.
X-2	SURE-LITES CX72R-SD DUAL LITE SEDR-BN-E1 LITHONIA LES2R-ELN-SD ENERGY HARNESS	120/277	LED			1	NONE	SURFACE	SURFACE MOUNTED DIE CAST ALUMINUM EXIT SIGN WITH DOUBLE STENCIL FACE, RED LETTERS (ARROWS AS INDICATED ON DRAWINGS), NI-CAD BATTERY AND SELF DIAGNOSTICS FEATURE.
X-3	SURE-LITES SEL50-SD-SQ DUAL LITE EVHC2I LITHONIA ELN2L-UVOLT-SDRT ENERGY HARNESS	120/277	LED			1	NONE	WALL	SURFACE MOUNTED EMERGENCY LIGHTING FIXTURE WITH TWO (2) LED LIGHTING HEADS, NI-CAD BATTERY AND SELF DIAGNOSTIC FEATURE.
S-1	MC GRAW-EDISON PREVAIL PRV-XL-C175-750-UNV-T4-SA-CBA	120/277	LED	48569/ XXXXX/ XXXXX	4000	346/XXX/ XXX	NONE	POLE MOUNTED	POLE ARM MOUNTED LED SITE LIGHTING FIXTURE WITH TYPE IV LIGHT DISTRIBUTION MOUNTED ON A 35'-0" ROUND TAPERED STEEL POLE. COLOR AND FINISH TO BE SELECTED BY THE ARCHITECT.
S-2	MC GRAW-EDISON PREVAIL 2-PRV-XL-C100-750-UNV-T4-SA-CBA LITHONIA RSX2-LED-P6-40K-R4-MVOLT-RPA-CBA	120/277	LED	31035/ 21737	4000	217/135	NONE	POLE MOUNTED	TWO (2) POLE ARM MOUNTED LED SITE LIGHTING FIXTURE WITH TYPE IV LIGHT DISTRIBUTION MOUNTED ON A 35'-0" ROUND TAPERED STEEL POLE. COLOR AND FINISH TO BE SELECTED BY THE ARCHITECT.
S-3	MC GRAW-EDISON PREVAIL 2-PRV-XL-C100-750-UNV-T4-SA-CBA LITHONIA RSX2-LED-P6-40K-R4-MVOLT-RPA-CBA	120/277	LED	31035/ 21737	4000	217/135	NONE	POLE MOUNTED	POLE ARM MOUNTED LED SITE LIGHTING FIXTURE WITH TYPE IV LIGHT DISTRIBUTION MOUNTED ON A 30'-0" ROUND TAPERED STEEL POLE. COLOR AND FINISH TO BE SELECTED BY THE ARCHITECT.
S-4	MC GRAW-EDISON PREVAIL 2-PRV-XL-C100-750-UNV-T3-SA-CBA LITHONIA RSX2-LED-P6-40K-R4-MVOLT-RPA-CBA	120/277	LED	30161/ XXXXX/ XXXXX	4000	217/135	NONE	POLE MOUNTED	POLE ARM MOUNTED LED SITE LIGHTING FIXTURE WITH TYPE III LIGHT DISTRIBUTION MOUNTED ON A 30'-0" ROUND TAPERED STEEL POLE. COLOR AND FINISH TO BE SELECTED BY THE ARCHITECT.

NOTE:
BASE BID: LIGHTING FIXTURE TYPES X-1, X-2 AND X-3 MANUFACTURED BY ENERGY HARNESS SHALL BE BID AND PROVIDED UNDER BASE BID.
ALTERNATE BID: LIGHTING FIXTURE TYPES X-1, X-2 AND X-3 MANUFACTURED BY ONE OF THE OTHER MANUFACTURERS SHALL BE BID AND PROVIDED UNDER THE ALTERNATE BID.

RELAY SCHEDULE

MARK & TYPE	ITEM	CONTROLLED CIRCUIT(S)	COIL CKT.	COIL VOLT	ROOM NO.	CONTACTS	SELECTOR SWITCH	CONTROL	SEE NOTES
RK-1 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	BUILDING SECURITY LIGHTS	1H8-9	1H8-9	277	K-107	N.O.	HOA	BMS	1,2,4,5,6
RK-2 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	NORTH PARKING LOT LIGHTS	1H8-11,13	1H8-15	277	K-107	N.O.	HOA	BMS	1,2,4,5,6
RL-1 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	BUILDING SECURITY LIGHTS	1H10-5	1H10-9	277	L-112	N.O.	HOA	BMS	1,2,4,5,6
RL-2 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	BUILDING SECURITY LIGHTS	1H10-7	1H10-9	277	L-112	N.O.	HOA	BMS	1,2,4,5,6
RM-1 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	BUILDING SECURITY LIGHTS	1H10-8	1H10-12	277	M-111	N.O.	HOA	BMS	1,2,4,5,6
RM-2 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	EAST PARKING LOT LIGHTS	1H10-10	1H10-12	277	M-111	N.O.	HOA	BMS	1,2,4,5,6
RM-3 SQUARE D #8903 SERIES W/ NEMA 3R ENCLCS.	BUILDING SECURITY LIGHTS	1H10-7	1H10-12	277	M-111	N.O.	HOA	BMS	1,2,4,5,6

NOTES:
1. FURNISH NEMA 1 ENCLOSURE WITH HINGED COVER UNLESS OTHERWISE NOTED.
2. ELECTRICALLY HEID.
3. MECHANICALLY HEID.
4. PROVIDE SELECTOR SWITCH IN RELAY ENCLOSURES WITH LOOP AND BRIDLE STRAPS FROM MAIN DEPARTMENT TO HINGED COVER FOR SELECTOR SWITCHES.
5. FURNISH FUSE PROTECTION FOR COIL CIRCUIT.
6. ALL RELAYS AND SELECTOR SWITCHES SHALL BE PREWIRED BY MANUFACTURER.

MOTOR STARTER SCHEDULE

MARK	ITEM	NEMA SIZE	HP	ROOM NO.	CONTROL	SEE NOTES
MS-1	CIRCULATING PUMP CHP-1	2	15	----	ENCL. REMOTE SA ---	1,2,3,5,7,8
MS-2	CIRCULATING PUMP CHP-2	2	15	----	SA ---	1,2,3,5,7,8
MS-3	CIRCULATING PUMP CP-H1	2	15	----	SA ---	1,2,3,5,7,8
MS-4	CIRCULATING PUMP CP-H2	2	15	----	SA ---	1,2,3,5,7,8

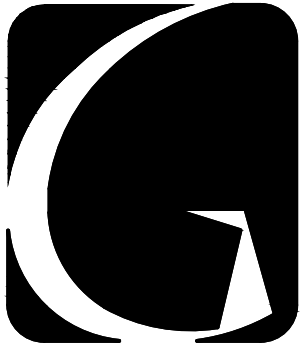
NOTES:
1. MOTOR STARTERS SHALL BE 3-POLE COMBINATION TYPE WITH NEMA 1 ENCLOSURE.
2. MOTOR STARTERS SHALL HAVE 480/120 VOLT CONTROL CIRCUIT TRANSFORMER WITH COILS.
3. MOTOR STARTERS SHALL HAVE 120 VOLT COIL AND 600 VOLT CONTACTS.
4. 120 VOLT MOMENTARY CONTACT PUSH BUTTON: P=ON-OFF; T=TEST BUTTON; T2=HI-LO TEST PUSH BUTTON; P02=HI-LO-OFF.
5. 120 VOLT MAINTAINED CONTACT SELECTOR SWITCH: S=ON-OFF; S2=HI-LOW; S02=HI-LO-OFF; SA=HAND-OFF-AUTOMATIC.
6. PILOT LIGHTS SHALL BE FURNISHED WITH ALL REMOTE CONTROL UNITS.
7. MOTOR STARTERS SHALL BE SINGLE SPEED.
8. MOTOR STARTER SHALL HAVE ONE NORMALLY OPEN CONTACT.

EDGEWOOD INTERMEDIATE SCHOOL LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURERS	VOLTAGE	LIGHT SOURCE	MINIMUM LUMENS	DEGREE K.	MAXIMUM WATTAGE	DIMMING	MOUNTING	DESCRIPTION
L-1	LITHONIA CPX-2X4-5000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT METALUX 24FP640C COLUMBIA CFP24-55/41/3440 ENERGY HARNESS EHF-PANBL-2X4DS-72-277-CDM	120/277	LED	4800 (5194/6506 /5030/ 5000)	4000	39.29/62.2/ 40/40	0-10V 1% DIMMING	SURFACE	2X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH DIMMING DRIVER.
L-1E	LITHONIA CPX-2X4-5000LM-80CRI-40K-SWL-MIN1-EZT-MVOLT-E10WCP METALUX 24FP640C-EL14W COLUMBIA CFP24-55/41/3440-PLD10M ENERGY HARNESS EHF-PANBL-2X4DS-72-277-CDM	120/277	LED	4800 (5194/6506 /5030/ 5000)	4000	39.29/62.2/ 40/40	0-10V 1% DIMMING	SURFACE	2X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH LED DIMMING DRIVER AND INTEGRAL/EXTERNAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-2	LITHONIA CPX-2X4-6000LM-80CRI-40K-SWL-MIN1-EZT-MVOLT METALUX 24FP640C COLUMBIA CFP24-55/41/7540 ENERGY HARNESS EHF-PANBL-2X4DS-72-277	120/277	LED	6000 (6037/6506 /7564/ 6250)	4000	43.25/62.2/ 56/50	0-10V 1% DIMMING	SURFACE	2X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH DIMMING DRIVER.
L-2E	LITHONIA CPX-2X4-6000LM-80CRI-40K-MIN1-EZT-MVOLT-E10WCP METALUX 24FP640C COLUMBIA CFP24-55/41/7540-PLD10M ENERGY HARNESS EHF-PANBL-2X4DS-72-277-CDM	120/277	LED	6000 (6037/6506 /7564/ 6250)	4000	43.25/62.2/ 56/50	0-10V 1% DIMMING	SURFACE	2X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH INTEGRAL/EXTERNAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-3	LITHONIA CPX-2X4-4000LM-80CRI-40K-SWL-MIN1-EZT-MVOLT METALUX 24FP4740C COLUMBIA CFP24-55/41/4140-HE ENERGY HARNESS EHF-PANBL-2X4DS-45-27-CDM	120/277	LED	4000 (4240/4556 /4350)	4000	37.61/41.4/ 32	0-10V 1% DIMMING	SURFACE	2X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH DIMMING DRIVER.
L-3E	LITHONIA CPX-2X4-4000LM-80CRI-40K-SWL-MIN1-EZT-MVOLT-E10WCP METALUX 24FP4740C-EL14W COLUMBIA CFP24-55/41/4140-HE-PLD10M ENERGY HARNESS EHF-PANBL-2X4DS-45-27-CDM	120/277	LED	4000 (5194/4556 /4350)	4000	39.29/41.4/ 32	0-10V 1% DIMMING	SURFACE	2X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH LED DIMMING DRIVER AND INTEGRAL/EXTERNAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-4	LITHONIA CPX-1X4-5000LM-80CRI-40K-SWL-MIN1-EZT-MVOLT METALUX 14FP2640C COLUMBIA CFP14-55/41/3980 ENERGY HARNESS EHF-PANBL-1X4DS-45-277-CDM	120/277	LED	4000 (5086/4226 /3980/ 4375)	4000	39.2/ 38.83/31/ 35	0-10V 1% DIMMING	SURFACE	1X4 RECESSED MOUNTED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH LED DIMMING DRIVER.
L-4E	LITHONIA CPX-1X4-5000LM-80CRI-40K-SWL-MIN1-EZT-MVOLT-E10WCP METALUX 14FP2640C COLUMBIA CFP14-55/41/3440-PLD10M ENERGY HARNESS EHF-PANBL-1X4DS-45-27-CDM	120/277	LED	4000 (5086/4226 /3980/ 4375)	4000	39.2/ 38.83/31/ 35	0-10V 1% DIMMING	SURFACE	1X4 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH LED DIMMING DRIVER INTEGRAL/EXTERNAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-5	LITHONIA CPX-2X4-4800LM-80CRI-40K-SWL-MIN1-EZT-MVOLT METALUX 24FP640C COLUMBIA CFP24-55/41/3440 ENERGY HARNESS EHF-PANBL-2X2DS-45-27-CDM	120/277	LED	4800 (5119/6506 /5030)	4000	48.3/62.2/ 40	0-10V 1% DIMMING	SURFACE	2X2 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH DIMMING DRIVER.
L-5E	LITHONIA CPX-2X4-4800LM-80CRI-40K-SWL-MIN1-EZT-MVOLT-E10WCP METALUX 24FP640C-EL14W COLUMBIA CFP24-55/41/3440-PLD10M ENERGY HARNESS EHF-PANBL-2X2DS-45-27-CDM	120/277	LED	4800 (5119/6506 /5030)	4000	48.3/62.2/ 40	0-10V 1% DIMMING	SURFACE	2X2 RECESSED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH LED DIMMING DRIVER AND INTEGRAL/EXTERNAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-6	METALUX 45NLED-LD5-33SL-LW-UNV-L840-CD1-U COLUMBIA MP54-40MW-CW-ED-U LITHONIA ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI-WH	120/277	LED	3504/3702/ 4028	4000	28/30.4/30	NONE	PENDANT	4' PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED AND WIDE DISTRIBUTION
L-6E	METALUX 45NLED-LD5-33SL-LW-UNV-L840-CD1-U-EL14WST COLUMBIA MP54-40MW-CW-ED-U-ELL14ST LITHONIA ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI-WH-EL14ST	120/277	LED	3504/3702/ 4028	4000	28/30.4/30	NONE	PENDANT	4' PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED, WIDE DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-7	LUMENWERX VIA3RR-HLO-LED-90-750-40-9FT-UNV-D-1-DTR-W FINILETE HP4-R-D-9'-TL750LM/FT-840-F-96LG-120-SC-10%-CL-FE-SW (7 WATTS A FOOT) PINNACLE ARCHITECTURAL LIGHTING EV3D-A-840VHO-9-FL-U-OL2-1-W	MVOLT	LED	750/FT	4000	9.9/FT	0-10V	GRID	3" X 9' RECESSED FLANGED MOUNTED LINEAR LIGHTING FIXTURE WITH FROSTED WHITE LENS.
L-8	LITHONIA IBG-18000LM-HEF-AFL-WD-MVOLT-G210-40K-90CRI COLUMBIA LLHV4-40H-WST-EDU-SFAWG METALUX OHB-185E-W-UNV-L940-CD-OHB-WG162	120/277	LED	18000	4000	100	NONE	GRID	4' PENDANT MOUNTED INDUSTRIAL HIGH BAY LIGHTING FIXTURE WITH LENS AND WIDE DISTRIBUTION
L-8E	LITHONIA IBG-18000LM-HEF-AFL-WD-MVOLT-G210-40K-90CRI COLUMBIA LLHV4-40H-WST-EDU-SFAWG METALUX OHB-185E-W-UNV-L940-CD-OHB-WG162	120/277	LED	18000	4000	100	NONE	GRID	4' PENDANT MOUNTED INDUSTRIAL HIGH BAY LIGHTING FIXTURE WITH LENS, WIDE DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTICS FEATURE.
L-9	LITHONIA WSR LED-P3-40K-MVOLT-DOBXD MCGRAW EDISON ISS-AF-600-LED-E1-T3-BZ HUBBELL RD12-24L-70-4K7-3-UNV-CBA	120/277	LED	6000/8375	4000	50/66	NONE	WALL	WALL MOUNTED OUTDOOR WEATHERPROOF CUTOFF TYPE LIGHTING FIXTURE WITH LED LAMPS AND LED DRIVER. UL LISTED FOR WET LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT.
L-9E	LITHONIA WSR LED-P3-40K-MVOLT-E7WC-DOBXD MCGRAW EDISON ISS-AF-600-LED-E1-T3-BZ-CWB HUBBELL RD12-24L-70-4K7-3-CBA-EH	120/277	LED	6000/8375	4000	50/66	NONE	WALL	WALL MOUNTED OUTDOOR WEATHERPROOF CUTOFF TYPE LIGHTING FIXTURE WITH LED LAMPS, LED DRIVER AND COLD WEATHER EMERGENCY BATTERY PACK. UL LISTED FOR WET LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT.
L-10E	METALUX 45WLED-LD4-36SL-LW-UNV-L840-HCD1-SVPD1-U COLUMBIA ESL-4-40-HL-FAW-EDU-ELL14-NXOS LITHONIA WL4-40L-EZ1-LP840-MSD7		LED	5322	4000	42	NONE	WALL	4' WALL MOUNTED LIGHTING FIXTURE WITH 0-10 VOLT NON-DIMMING DRIVER, INTEGRAL OCCUPANCY SENSOR AND INTEGRAL BATTERY UNIT WITH SELF DIAGNOSTICS UNIT. FIXTURE SHALL BE ILLUMINATED AT 50 PERCENT AT ALL TIMES AND INCREASE TO 100 PERCENT WHEN IT SENSES OCCUPANCY. (STAIRS)

NOTE:
BASE BID: LIGHTING FIXTURE TYPES F-1, F-1E, F-2, F-2E, F-3, F-3E F-4, F-4E, F-5 AND F-5E AS MANUFACTURED BY ENERGY HARNESS (AS SPECIFIED) SHALL BE BID AND PROVIDED UNDER BASE BID.

ALTERNATE BID: LIGHTING FIXTURE TYPES F-1, F-1E, F-2, F-2E, F-3, F-3E F-4, F-4E, F-5 AND F-5E MANUFACTURED BY ONE OF THE OTHER MANUFACTURERS SPECIFIED SHALL BE BID AND PROVIDED UNDER THE ALTERNATE BID.



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DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
ADDITIONS AND
RENOVATIONS TO
**EDGEWOOD
INTERMEDIATE
SCHOOL**
FRANKLIN TOWNSHIP COMMUNITY
SCHOOL CORPORATION
INDIANAPOLIS, INDIANA

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PROJECT
21-155
DATE
05/23/22
COORDINATED BY
PCB
DRAWN BY
PCB/JVC
CHECKED BY
DJW

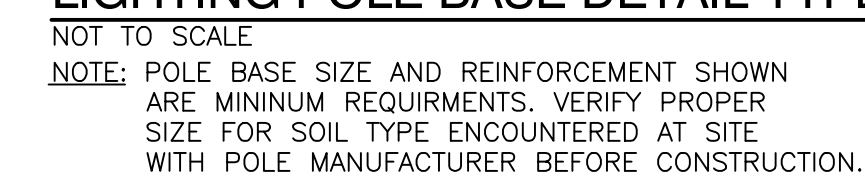
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REVISIONS
MARK DATE ISSUED FOR
AD-2 06/23/22 ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
ADDITIONS AND RENOVATIONS TO
EDGEWOOD INTERMEDIATE SCHOOL

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E-601



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