ADDENDUM

CSO
ARCHITECTURE · INTERIOR DESIGN

ADDENDUM NO: 1

PROJECT: Hamilton Heights High School Phase 2 Projects

PROJECT NO: 2023060 DATE: 02/22/2024 BY: Brent Hite

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages:
1-8

Attached Documents:
26 56 68 – EXTERIOR ATHLETIC LIGHTING
09 91 23 – INTERIOR PAINTING

Attached Drawing Sheets:
L101, L102, L103, L104, L105, L602, A181, A212, A251OB, A271OB, A301, A310, A370OB, A401, A403, A404, A411, A412, A413, A414, A422, A423, A453OB, A454OB, A4720B, A490OB, A491OB, A551OB, A751OB, E100, E212

PART 0 - GENERAL INFORMATION

0.1 NOT USED

A. Not Used

PART 1 - BIDDING REQUIREMENTS

1.1 NOT USED

A. Not Used

PART 2 - SPECIFICATIONS

2.1 TABLE OF CONTENTS

A. Remove 03 30 01 – Site Cast-In-Place Concrete from list

2.2 07 42 43 – METAL COMPOSITE MATERIAL WALL PANELS

A. Add section 2.02A1j as follows:

'j. Royalton Architectural Fabrication.'

8831 Keystone Crossing, Indianapolis, IN 46240 | 317.848.7800 | csoinc.net

2.3 09 91 23 – INTERIOR PAINTING

A. ADD specification section in its entirety

2.4 13 34 16 – PERMANENT GRANDSTANDS AND PRESSBOX

A. Revise 1.02B1d to require **192 ft** in lieu of ~~180 ft~~.

B. Revise 1.02B1t to **2,058** seats in lieu of ~~1,998~~.

C. Revise 1.02B2d to require **102** ft in lieu of ~~180 ft.~~

D. Revise 1.02B2t to **772** seats in lieu of ~~739~~.

2.5 26 56 68 – EXTERIOR ATHLETIC LIGHTING

A. REPLACE Paragraph 2.2.G

B. ADD Paragraph I to section 3.2., "Install all control wiring as required by the manufacturer's control system."

PART 3 - DRAWINGS

LANDSCAPE

3.1 L101 – SITE MATERIALS PLAN

A. REMOVE Curb along the west side of north parking area to meet grading requirements from Civil Engineer.

B. ADDED Wheel Stops along west side of north parking area.

C. ADDED new Asphalt Wedge beneath ADA parking at northwest corner of north lot to comply with ADA grading requirements.

D. REMOVE Parallel Curb Ramp and replaced with Truncated Domes only at West walk.

E. MODIFY ADA parking to comply with ADA grading needs.

F. ADDED Crosswalk striping to Ramp at northwest for of north parking lot and to front entrance.

G. REMOVE two (2) Curb Turnouts at north edge of South Lot, per Civil Engineer direction.

H. FIXED mislabeling of Standard Duty Asphalt.

I. ADD R4 and S5 to the Materials legend for the truncated domes and the crosswalk striping, respectively.

3.2 L102 – SITE MATERIALS PLAN

A. MODIFY Edge of Pavement at the northeast corner of the Announcer's Booth at the Softball field.

B. ADD R4 and S5 to the Materials legend for the truncated domes and the crosswalk striping, respectively.

3.3 L103 – SITE MATERIALS PLAN

A. MODIFY the walk at the western side of the Ag Addition so that it is curbed only to the north side of the walk, per Civil Engineer request.

B. ADD R4 and S5 to the Materials legend for the truncated domes and the crosswalk striping, respectively.

3.4 L104 – SITE MATERIALS PLAN

A. ADD R4 and S5 to the Materials legend for the truncated domes and the crosswalk striping, respectively

3.5 L105 – SITE MATERIALS PLAN

A. ADD R4 and S5 to the Materials legend for the truncated domes and the crosswalk striping, respectively.

3.6 L602 – SITE DETAILS

A. ADD Truncated Domes with No Ramp Condition Detail

B. ADD Crosswalk Striping Detail

ARCHITECTURAL

3.7 A101 – OVERALL LIFE SAFETY PLAN

A. ADD the following at BUILDING CODE ANALYSIS - VARIANCES:
"VARIANCE NUMBER 24-01-70 – Dated February 12, 2024:
Variance allows two small additions to the existing building which puts building into non-compliance with allowable floor area for Type IIB construction (675 IAC 12-4-12(f)). Additions will be sprinklered, existing building areas immediately adjacent to additions are currently sprinklered, and all existing areas to be renovated will be or are currently sprinklered."

3.8 A102 – ENLARGED LIFE SAFETY PLAN

A. ADD the following at BUILDING CODE ANALYSIS - VARIANCES:
"VARIANCE NUMBER 24-01-70 – Dated February 12, 2024:
Variance allows two small additions to the existing building which puts building into non-compliance with allowable floor area for Type IIB construction (675 IAC 12-4-12(f)). Additions will be sprinklered, existing building areas immediately adjacent to additions are currently sprinklered, and all existing areas to be renovated will be or are currently sprinklered."

3.9 A181 – ROOF PLAN DETAILS

A. MODIFY wall construction in details as shown on sheet

B. MODIFY detail 9/A181 to extend through wall flashing to CMU

3.10 A212 – AGRICULTURE FIRST FLOOR REFLECTED CEILING PLAN

A. MODIFY note be reflected ceiling plan note #1 in AG CLASSROOM 225, as indicated on sheet.

3.11 A251OB – OUTBUILDINGS FIRST FLOOR PLANS

A. MODIFY alcove to be 5'-4" at doors OB123 and OB124 as indicated on sheet

3.12 A271OB – HOME GRANDSTAND PLANS

A. ADD dimensions on 2/A271OB

3.13 A301 – EXTERIOR ELEVATIONS

A. REMOVE elevation note #10 in 4/A301

3.14 A310 – BUILDING SECTIONS

A. MODIFY height of overhead coiling door in 3/A310 to match existing condition

3.15 A370OB – HOME GRANDSTAND ELEVATION, SECTIONS, & DETAILS

A. MODIFY section 2 & 3 to indicate column lines 'C' and 'D' to have concrete foundations that extend up to 8'-0" tall.

3.16 A401 – WALL SECTIONS

A. REMOVE demo section callout from 2/A401

B. MODIFY section 4/A401 to show weeps and cavity drainage material

3.17 A403 – WALL SECTIONS ADMINISTRATION (ALTERNATE)

A. MODIFY foundation in 2/A403 to match structural drawings

3.18 A404 – WALL SECTIONS ADMINISTRATION (ALTERNATE)

A. MODIFY 3/A403 to show weeps and vents

3.19 A411 – SECTION DETAILS

A. MODIFY detail 1/A411 to move flashing and associated items up one course

B. ADD keynote for vents in detail 2/A411

C. ADD keynote for vents and details for flashing and drainage in detail 4/A411

D. MODIFY keynote in detail 5/A411

E. ADD keynote for vents in detail 6/A411

F. MODIFY detail 8/A411

3.20 A412 – SECTION DETAILS

A. MODIFY detail 4/A412 to move vents down 8″

B. MODIFY detail 5/A412 to move vents down 8″ and add flashing

3.21 A413 – SECTION DETAILS ADMINISTRATION (ALTERNATE)

A. MODIFY detail 1/A413 to move flashing and associated items up one course

B. ADD dimensions to detail 4/A413 and MODIFY to move flashing and associated items up one course

C. ADD through wall flashing keynote in detail 5/A413

D. MODIFY detail 6/A413 to move flashing and associated items up one course

3.22 A414 – SECTION DETAILS ADMINISTRATION (ALTERNATE)

A. ADD dimensions and keynotes to detail 3/A414

B. MODIFY keynote in detail 4/A414

C. ADD keynote and text note in detail 5/A414

D. MODIFY wall construction details and add dimensions to detail 7/A414

E. MODIFY wall construction details in detail 8/A414

3.23 A422 – PLAN DETAILS ADMINISTRATION (ALTERNATE)

A. MODIFY wall construction details and keynotes in detail 4/A422

3.24 A423 – PLAN DETAILS ADMINISTRATION (ALTERNATE)

A. MODIFY wall construction details and add dimensions in detail 1/A423

3.25 A453OB – OUTBUILDINGS WALL SECTIONS & DETAILS

A. ADD mortar net and keynote on 9/A453OB

3.26 A454OB – OUTBUILDINGS WALL SECTIONS & DETAILS

A. ADD mortar net and keynote on 7/A454OB

B. MODIFY view to only show section detail on 4/A454OB

3.27 A472OB – SECTION DETAILS

A. ADD keynotes and text notes on 3/A472OB

B. ADD keynotes and text notes on 4/A472OB

C. ADD keynotes for threshold and door to detail 5/A472OB

3.28 A490OB – ELEVATOR PLANS AND SECTIONS

A. ADD wall tags to 1/A490OB

B. MODIFY 3/A490OB to display accurately

3.29 A491OB – ELEVATOR SECTION DETAILS

A. ADD mortar net and keynote on 2/A491OB, 4/A491OB, and 7/A491OB

3.30 A551OB – OUTBUILDINGS DOOR SCHEDULE, ELEVATIONS ADN DETAILS

A. ADD details and dimensions to JAMB DETAIL J34

3.31 A751OB – ENLARGED RESTROOM PLANS

A. ADD typical accessory layout

B. ADD dimensions to enlarged restroom plans

C. ADD furnished by and installed by columns to toilet accessory schedule

ELECTRICAL

3.32 E100 – SITE PLAN - ELECTRICAL

A. REVISE Plan Notes as indicated on drawing E100

3.33 E212 – AGRICULTURE FIRST FLOOR PLAN – POWER

A. REVISE Plan Notes as indicated on drawing E100

PART 4 - OTHER ITEMS

4.1 NOT USED

A. Not Used

PART 5 - QUESTIONS AND ANSWERS

5.1 Question:

Circulation of people below the home grandstand. There are two stairs that exit directly under the bleacher, and one is in line with the elevator building. I am unclear how the people will exit once under the bleacher. I suggest that all bracing be held above 10' in the center area (column rows C & D, in the press box area), and allow us to take bracing to grade at the ends. Please let me know if you agree, or have another plan.

Answer:

See landscape drawing L103 – Site Materials Plan for fencing and hard surfaces from the stairs at the center of the grandstand. Foundations along column rows C & D will need to be 8’-0” tall, see drawings in this addendum.

5.2 Question:

The home seating plan shows a length of 192', and a seating capacity of 2,058. The specs call for a length of 180' and a seating capacity of 1,998. Please clarify

Answer:

Provide 192′ length and seating capacity of 2,058 per drawings. Revise specifications are included in this addendum.

5.3 Question:

The visitor seating plan shows a length of 102′ and a seating capacity of 772. The specs call for a length of 180′ and a seating capacity of 739. Please clarify.

Answer:

Provide 102' length and seating capacity of 772 per drawings. Revised specifications are included in this addendum

END ADDENDUM #1

SECTION 09 91 23 - INTERIOR PAINTING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section includes surface preparation and the application of paint systems on the following interior substrates:

1. Concrete masonry units (CMU).
2. Steel.
3. Galvanized metal.
4. Gypsum board.

1.03 DEFINITIONS

A. Gloss Level 1: Not more than 5 units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.

B. Gloss Level 2: Not more than 10 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.

C. Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.

D. Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.

E. Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.

F. Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.

G. Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

1.04 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

B. Samples for Initial Selection: For each type of topcoat product.

C. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.

1. Submit Samples on rigid backing, 8 inches square.
2. Step coats on Samples to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

D. Product List: For each product indicated, include the following:

1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
2. Printout of current "MPI Approved Products List" for each product category specified in Part 2, with the proposed product highlighted.
3. VOC content.

1.05 INFORMATIONAL SUBMITTALS

A. Manufacturer's Written Instructions: Provide manufacturer's written installation instructions for each product detailing recommended procedures for surface preparation, thinning, required minimum environmental conditions for applications, application methods, touch-up, protection and recommended disposal of product waste materials.

B. Warranty Data: Submit warranty data for products as scheduled.

1.06 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint: 5 percent, but not less than 1 gal. of each material and color applied.

1.07 QUALITY ASSURANCE

A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.

a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft..
b. Other Items: Architect will designate items or areas required.

2. Final approval of color selections will be based on mockups.

a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.

2. Remove rags and waste from storage areas daily.

1.09 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

1.10 WARRANTY

A. Special Warranty: Contractor shall provide a warranty for the scope of work specified herein that will cover defective materials and labor.

B. Warranty shall include but not be limited to failures caused by:

1. Delaminating of various paint coatings from under coats and or substrates.
2. Corrosion caused by improper cleaning and surface preparation before and during coating application.
3. Failures due to dry film thickness applications less than the specified minimum thickness.
4. Failures due to improper curing time between coats.
5. Pigment discoloration and or coating failure caused by improper environmental controls during coating application and curing.
6. Contamination of coating applications by airborne particulate matter caused by improper environmental controls.
7. Failure to properly protect finished applications prior to Substantial Completion.

C. The terms of the warranty shall provide all labor, materials, supervision, equipment and special tools necessary to repair failed or deficient materials and workmanship as required to deliver the intended finish product and coating performance as specified in the Contract Documents.

D. Special Warranty Period: Two (2) years from the date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Behr Process Corporation.
2. Benjamin Moore & Co.
3. Kelly-Moore Paints.
4. PPG Paints (Pittsburgh, Glidden, and Porter)
5. Pratt & Lambert, a subsidiary of The Sherwin Williams Company.
6. Sherwin-Williams Company (The).

B. Products: Subject to compliance with requirements, provide one of the products listed in other Part 2 articles for the paint category indicated.

2.02 PAINT, GENERAL

A. MPI Standards: Provide products that comply with MPI standards indicated and that are listed in its "MPI Approved Products List."

B. Material Compatibility:

1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

C. VOC Content: Products shall comply with VOC limits of authorities having jurisdiction and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 150 g/L.
3. Dry-Fog Coatings: 400 g/L.
4. Primers, Sealers, and Undercoaters: 200 g/L.
5. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
6. Zinc-Rich Industrial Maintenance Primers: 340 g/L.
7. Pretreatment Wash Primers: 420 g/L.
8. Floor Coatings: 100 g/L.
9. Shellacs, Clear: 730 g/L.
10. Shellacs, Pigmented: 550 g/L.

D. Colors: Refer to Drawings in “Finish Legend”, and on Finish Plans.

2.03 SOURCE QUALITY CONTROL

A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:

1. Owner will engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
2. Testing agency will perform tests for compliance with product requirements.
3. Owner may direct Contractor to stop applying coatings if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

1. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to formation of a durable paint surface.
2. Test shop applied primers for compatibility with subsequent cover materials.

B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

1. Gypsum Board: 12 percent.

C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

D. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

E. Proceed with coating application only after unsatisfactory conditions have been corrected.

1. Application of coating indicates acceptance of surfaces and conditions.

3.02 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

D. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer but not less than the following:

1. SSPC-SP 3, "Power Tool Cleaning."

E. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

F. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal fabricated from coil stock by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.

G. Previously Painted Steel Substrates:

1. Comply with paint manufacturer's written recommendations for previously painted steel substrates.
2. Surfaces of old paint films must be clean and dull before repainting. Thoroughly wash Wash off dirt, grease, soap and oil buildup with the appropriate cleaner. Rinse thoroughly. Dull by sanding.
3. Patch holes and cracks with spackling or patching compound. Allow to dry, then sand smooth.
4. For glossy or nonporous surfaces, lightly sand to a dull finish or use an abrasive cleanser.
5. Remove sanding dust or cleanser residue.
6. Make sure to prime all bare areas prior to applying topcoat. (Avoid "spot priming," which can result in a non-uniform appearance between primed and non-primed areas.)
7. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow surface to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required (per ASTM 4259, see Steel Substrates, SSPC-SP 3, "Power Tool Cleaning" above).

3.03 APPLICATION

A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."

1. Use applicators and techniques suited for paint and substrate indicated.
2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

E. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:

1. Paint the following work where exposed in equipment rooms:

a. Equipment, including panelboards and switch gear.
b. Uninsulated metal piping.
c. Uninsulated plastic piping.
d. Pipe hangers and supports.
e. Metal conduit.
f. Plastic conduit.
g. Tanks that do not have factory-applied final finishes.
h. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.

2. Paint the following work where exposed in occupied spaces:

a. Equipment, including panelboards.
b. Uninsulated metal piping.
c. Uninsulated plastic piping.
d. Pipe hangers and supports.
e. Metal conduit.
f. Plastic conduit.
g. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
h. Other items as directed by Architect.

3. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.

3.04 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.

1. Contractor shall touch up and restore painted surfaces damaged by testing.
2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.05 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.06 INTERIOR PAINT SCHEDULE

A. Surface Preparation: In addition to surface preparation specified and required by the coating manufacturer, stain kill all surfaces prior to priming and painting work.

1. Cleaning: Clean all surfaces with solution of water and bleach, mixed at a ratio of 3 parts water to 1 part bleach.
2. Final wash: Wash surfaces with tri-sodium phosphate and rinse well.

B. Interior Finishes: Provide the following finishes unless noted otherwise on the drawings:

1. Flat: Ceilings and bulkheads.
2. Eggshell (Satin): Walls.
3. Semigloss: Steel doors, frames and other metal.

C. General: Provide the following paint systems based on Sherwin Williams to establish quality standard for the various substrates, as indicated.

1. Ferrous and Non-Ferrous Metal:

a. Acrylic Semi-Gloss Enamel Finish:

1) Primer: 1 coat SW Pro Industrial pro-Cryl Universal Primer, B66-310 series
2) Finish: 2 coats SW Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series.

2. Gypsum Wallboard:

a. Acrylic Latex Eg-Shel Enamel Finish:

1) Primer: 1 coat SW ProMar Zero VOC Interior Latex Primer, B28W2600.
2) Finish: 2 coats SW ProMar 200 Zero VOC Interior Latex Eg-Shel B20W2650 series

3. Galvanized Ferrous Metal:

a. Acrylic Semi-Gloss Enamel Finish:

1) Primer:Pro Industrial Pro-Cryl Universal Metal Primer, B66-310
2) Finish: 2 coats SW Pro Industrial Zero VOC Acrylic Semi-gloss, B66 series.

END OF SECTION

SECTION 26 56 68 EXTERIOR ATHLETIC LIGHTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes lighting for the following outdoor sports venues:

1. Football.
2. Track and Field

B. Related Sections include the following:

1. Division 00 Section "Geotechnical Data" for report on subsurface soils.

1.3 DEFINITIONS

A. Coefficient of Variation (CV): A statistical measure of the weighted average of all relevant illumination values for the playing area, expressed as the ratio of the standard deviation for all illuminance values to the mean illuminance value.

B. Fixture: See "Luminaire."

C. Illuminance: The metric most commonly used to evaluate lighting systems. It is the density of luminous flux, or flow of light, reaching a surface divided by the area of that surface.

1. Horizontal Illuminance: Measurement in foot-candles, on a horizontal surface 36 inches above ground unless otherwise indicated.
2. Target Illuminance: Average maintained illuminance level, calculated by multiplying initial illuminance by LLF.
3. Vertical Illuminance: Measurement in two directions on a vertical surface, at an elevation coinciding with plane height of horizontal measurements.

D. Light-Loss Factor (LLF): A factor used in calculating the level of illumination after a given period of time and under given conditions. It takes into account temperature, dirt accumulation on the luminaire, lamp depreciation, maintenance procedures, and atmospheric conditions. An LLF includes a recoverable light-loss factor.

E. Luminaire: A complete lighting unit, internally lighted exit sign, or emergency lighting unit. Luminaires include lamps and the parts required to distribute light, position and protect lamps, and connect lamps to power supply. Note that "fixture" and "luminaire" may be used interchangeably and the "IES Lighting Handbook" uses "luminaire" over "fixture."

F. Pole: Luminaire support structure, including tower used for large area illumination.

G. Uniformity Gradient (UG): The rate of change of illuminance on the playing field, expressed as a ratio between the illuminances of adjacent measuring points on a uniform grid.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of lighting product.

1. Arrange in order of luminaire designation.
2. Include data on features, accessories, and finishes.
3. Include physical description and dimensions of the luminaires.
4. Driver, UL listing and recognition, ANSI certification, and Energy Independence and Security Act of 2007 compliance.
5. LED Lamps, including life, output (lumens, CCT, and CRI), and energy-efficiency data.
6. Photometric data and adjustment factors based on laboratory tests, complying with IES "Lighting Measurements Testing and Calculation Guides," of each lighting luminaire type. The adjustment factors shall be for lamps, drivers, and accessories identical to those indicated for the luminaire as applied in this Project.

    a. Manufacturer Certified Data: Photometric data certified by manufacturer's laboratory with a current accreditation under the NVLAP for Energy Efficient Lighting Products.

7. Means of attaching luminaires to supports and indication that attachment is suitable for components involved.

B. Shop Drawings:

1. Include plans, elevations, sections, and mounting and attachment details.
2. Include details of luminaire assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
3. Include diagrams for power, signal, and control wiring.

C. Delegated-Design Submittal: For exterior athletic lighting indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1. Drawings and specifications for construction of lighting system.
2. Manufacturer's determination of LLF used in design calculations.
3. Foundation design.
4. Lighting system design calculations for the following:

    a. Target illuminance.
    b. Point calculations of horizontal and vertical illuminance, CV, and UG at minimum grid size and area.
    c. Point calculations of horizontal and vertical illuminance in indicated areas of concern for spill light.
    d. Calculations of source intensity of luminaires observed at eye level from indicated properties near the playing fields.

5. Electrical system design calculations for the following:

    a. Total connected and estimated peak-demand electrical load, in kilowatts, of lighting system.
    b. Capacity of feeder required to supply lighting system.

6. Wiring requirements, including required conductors, cables, and wiring methods.
7. Structural analysis data and calculations used for pole selection.

    a. Manufacturer Wind-Load Strength Certification: Submit certification that selected total support system, including poles, complies with AASHTO LTS-6-M for location of Project.

D. Field Engineering Submittal: Manufacturer shall provide field engineering as needed to determine the ground elevation at proposed pole locations relative to playing surfaces for the purpose of selecting pole heights complying with illumination, light spill and glare requirements.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified Installer, manufacturer, and professional engineer.

1. Provide at least 5-10 references for a like field installed in Indiana with Bid.

B. Product Certificates:

1. For support structures, including brackets, arms, appurtenances, bases, anchorages, and foundations, from manufacturer.

C. Field quality-control reports.

D. Sample warranty.

1.6 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For luminaires to include in operation and maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Fuses: Ten for every 100 of each type and rating installed. Furnish at least one of each type.

1.8 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.

B. Manufacturer Qualifications: Manufacturer's responsibilities include fabricating sports lighting and providing professional engineering services needed to assume engineering responsibility.

1. Engineering Responsibility: Preparation of delegated-design submittals and comprehensive engineering analysis by a qualified professional engineer.

C. Luminaire Photometric Data Testing Laboratory Qualifications: Luminaire manufacturers' laboratory accredited under the NVLAP for Energy Efficient Lighting Products.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Protect finishes of exposed surfaces by applying a strippable, temporary protective covering before shipping.

1.10 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of luminaires, lamps, poles, foundations, controls, and luminaire alignment products and to correct misalignment and illumination deficiencies that occur subsequent to successful acceptance tests. Include materials and labor.

1. Warranty Period: 25 years from date of Substantial Completion.
2. Alignment, Uniformity, and Illumination Level Warranty: Accuracy of alignment of luminaires shall remain within specified illuminance uniformity ratios and illumination levels for a period of ten years from date of successful completion of acceptance tests.

a. Realign luminaires that become misaligned during the warranty period.
b. Replace alignment products that fail within the warranty period.
c. Replace luminaire products that fail within the warranty period.
d. Verify successful realignment of luminaires by retesting as specified in "Field Quality Control" Article.

1.11 MAINTENANCE SERVICE

A. Initial Maintenance Service: Beginning at Substantial Completion, provide 25 years' full maintenance by skilled employees of manufacturer's designated service organization. Include annual inspection. Include routine preventive maintenance as recommended by manufacturer and adjusting as required for proper operation. Provide parts and supplies same as those used in the manufacture and installation of original equipment.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by the following:

1. Musco Lighting.
2. Qualite Sports Lighting.

3. Premier Sports Lighting.
4. Midstream Lighting.

2.2 PERFORMANCE REQUIREMENTS

A. Facility Type: High School Football Field

B. Illumination Criteria:

1. Minimum average target illuminance level for each lighted area for each sports venue and for the indicated class of play according to IES RP-6.
2. CV and maximum-to-minimum uniformity ratios for each lighted area equal to or less than those listed in IES RP-6 for the indicated class of play.
3. UG levels within each lighted area equal to or less than those listed in IES RP-6 for the indicated speed of sport.

C. Illumination Calculations: Computer-analyzed point method complying with IES RP-6 to optimize selection, location, and aiming of luminaires.

1. Grid Pattern Dimensions: For playing areas of each sport and areas of concern for spill-light control, correlate and reference calculated parameters to the grid areas. Each grid point represents the center of the grid area defined by the length and width of the grid spacing.
2. Spill-Light Control: Minimize spill light for each playing area on adjacent and nearby areas.

a. For areas indicated on Drawings as “Property Lines," limit the level of illuminance directed into the area from any luminaire or group of luminaires, and measured 60 inches above grade to the following:

1) Maximum Illuminance from the Direction of the Greatest Contribution of Light: 1.0 fc.

b. Calculate the horizontal and vertical illuminance due to spill light for points spaced 20 feet apart in areas indicated on Drawings as "Property Line(s)," to ensure that design complies with the above limits.

3. Glare Control: Design illumination for each playing area to minimize direct glare in adjacent and nearby areas.

a. Design source intensity of luminaires that may be observed at an elevation of 60 inches above finished grade from nearby properties to be less than 12,000 candela when so observed.

4. Determine LLF according to IES RP-6 and manufacturer's test data.

a. Use LLD at 100 percent of rated lamp life. LLF shall be applied to initial illumination to ensure that target illumination is achieved at 100 percent of lamp life and shall include consideration of field factor.
b. LLF shall not be higher than 80 percent and may be lower when determined by manufacturer after application of the driver output and optical system output according to IES RP-6.

5. Luminaire-Mounting Height: Comply with IES RP-6, with consideration for requirements to minimize spill light and glare.
6. Luminaire Placement: Luminaire clusters shall be outside the glare zones defined by IES RP-6.

D. Football Fields:

1. IES RP-6: Class of Play II.

   a. Target Illumination Level: 50 foot-candles.
   b. Maximum-to-Minimum Uniformity Ratio: 2-to-1 or better.

2. Speed of Sport: Fast.
3. Grid Pattern Dimensions: 30 by 30 feet.

E. Track and Field:

1. Only illuminate field events interior to the track.
2. IES RP-6: Class of Play II.

   a. Target Illumination Level: 30 foot-candles.
   b. Maximum-to-Minimum Uniformity Ratio: 4-to-1 or better.

3. Speed of Sport: Slow.
4. Grid Pattern Dimensions: 20 by 20 feet.

F. Emergency Egress Lighting Inverter: Provide a minimum of 1.0-fc illumination, within 10 second, measured at grade in spectator and spectator egress areas of grandstands, controlled with playing field lighting.

1. Manufacturer: Subject to compliance with Project requirements, provide product by one of the following:

   a. Myers Power Products – Model # Z (277-277) – SR – 4 – S – F – H – M – E (277) – 2YWT
   b. Iota Emergency Lighting.

2. General Requirements for Equipment:

   a. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
   b. NRTL Compliance: Fabricate and label equipment to comply with UL 924.
   c. Comply with the IBC, NFPA 70, and NFPA 101.

3. Product Features:

   a. 98% Efficient (Typical)
   b. UL 924 Listed
   c. 65 KAIC Input Rating
   d. Pad Mount
   e. Compatible with All Lighting Loads, Including HID and LED
   f. NEMA 3R Rated Enclosure

g. No Break 2ms Transfer Time
h. 90 Minute Run Time
i. Input Circuit Breaker / Fuse
j. Control Panel for Self-Testing and Diagnostics

4. Specifications:

a. Input AC Voltage Options: 120, 208, 240, 277, or 480 VAC, 1-Phase, 2-Wire (+10%, -15%)
b. Input Power Walk-in: Limiting Power Inrush Current to less than 125%, 10 times for 1 line cycle
c. Input Frequency: 60 HZ, +/- 3%
d. Input Voltage Harmonic Distortion: <10%
e. Output AC Voltage Options: 120 or 277 VAC, 1-phase, 2-wire
f. Output Load Capacity: 1750 VA / W
g. Output Voltage Harmonic Distortion: <3%
h. Output Load Power Factor: 0.5 Lag to 0.5 Lead
i. Compatible With All LED Drivers
j. Standard Operating Temperature: 32-deg F to 122-deg F
k. Integral Heater to Allow Operating Temperature to -4-deg F
l. Emergency Load Enable (120VAC)
m. Compatible With Generators
n. Status Lights: Normal, Battery Backup, and Fault
o. Standard Gel (VRLA) Batteries
p. Automatic Low-Battery Disconnect, Automatic Restart Upon Utility Return
q. 90-Minute Runtime Minimum @ -4 deg With Heater Option
r. Line Interactive PWM Inverter Utilizing MOSFET Technology
s. Forced Air Cooling and Temperature Controlled Fan
t. Audible Noise: 45dBA @ 1M
u. Floor Mount Base / Pad
v. Keypad / Display Panel
w. Alarms: High/Low Battery Charger Fault, Near Low Battery, Low Battery, Load Reduction Fault, Output Overload, High/Low AC Input Volts, High Ambient Temperature, Inverter Fault, Output Fault
x. Status Light: Normal, Battery Backup, Fault
y. Warranty: 2-Year, Includes All Parts, Labor, & Travel Expenses. 10-Year Pro-Rated Warranty on Batteries
z. Cabinet Size: 19” Wide x 50.75” High x 14.375” Deep
aa. Cabinet: NEMA 3R, Single Door, Powder Coat Paint, CRS
bb. Access: Front Only
cc. Cable Entry: Back
dd. Factory Start Up, Same Day Training, and Full Run Test

G. Lighting Control: Providing the following functions, integrated into a single control station, installed within the lighting contactor cabinet. Controls by manufacturer of the product. (ie. NO third party controls).

1. Control Station: Control System shall include a touchscreen user interface that communicates with each luminaire, include preset dimmed levels and include dynamic show scenes. system status indicator lights and test switch of egress lighting system.
2. Remote Control: Smartphone application for turning on and off lighting by zone and adjusting schedule.

a. Provide Interface Cabinet with server and Routing.
b. Wireless internet gateway
c. Wireless transmitter
d. Wireless receivers/converters

3. Control system to allow for light show effects preprogrammed and shall have the ability to initiate these shows locally. (minimum of 2 preprogrammed light show effects).

a. Provide all control wiring.

4. Control system to allow for four levels of dimming the field lighting at levels at 100%, 75%, 50% and 25%.

5. Accent Lighting: To allow for custom lighting effects, including team colors, lighting for special occasions, and theatrical effects, all poles should be equipped with RGB accent luminaires to illuminate the structures in various custom colors. Colors should be selectable via an onsite device. (ALTERNATE).

H. Electric Power Distribution Requirements:

1. Electric Power: 480 V; three phase.

a. Balance load between phases. Install wiring to balance phases at each support structure.
b. Include required overcurrent protective devices and individual lighting control for each sports field or venue.

I. Maximum Total Load: Indicated on panelboard schedules.

1. Maximum Total Voltage Drop from Source to Load: 3 percent, including voltage drops in branch circuit, subfeeder, and feeder.

2.3 LUMINAIRES, LAMPS, AND DRIVERS

A. Luminaires: Light-emitting diode type.

1. Listed and labeled, by an NRTL acceptable to authorities having jurisdiction, for compliance with UL 1598 for installation in wet locations.
2. Doors, Frames, and Other Internal Access: Smooth operating, free from light leakage under operating conditions, and arranged to permit relamping without using tools. Arrange doors, frames, lenses, diffusers, and other pieces to prevent their accidental falling during re-lamping and when secured in operating position. Doors shall be removable for cleaning or replacing lens. Designed to disconnect driver when door opens.
3. Exposed Hardware: Stainless-steel latches, fasteners, and hinges.
4. Spill-Light Control Devices: Internal louvers and external baffles furnished by manufacturer and designed for secure attachment to specific luminaire.

B. Driver Mounting: Grouped in cabinets, 10-foot above grade, on poles of associated luminaires.

C. The manufacturer will supply all drivers and supporting electrical equipment.

1. Remote drivers and supporting electrical equipment shall be mounted approximately 10 feet above grade in aluminum enclosures. The enclosures shall be touch-safe and include drivers and fusing with indicator lights on fuses to notify when a fuse is to be replaced for each Disconnect per circuit for each pole structure will be located in the enclosure. Integral drivers are not allowed.

2. Per IHSAA Lighting Standards (Page 5, Section 10 Ballast (MH) or Driver (LED) Weight). It is recommended that all ballast and drivers be remotely mounted on pole at step ladder height. Remote ballast/Remote drivers and supporting electrical equipment shall be mounted in aluminum enclosures. The enclosures shall be touch-safe and include drivers and fusing with indicator lights on fuses to notify when a fuse is to be replaced for each luminaire. Disconnect per circuit for each pole structure will be in the enclosure.

3. Per IHSAA Lighting Standards (Page 5, Section 10 Ballast (MH) or Driver (LED) Weight); feels that remotely mounting ballast/drivers and supporting electrical equipment at step ladder height creates safer conditions and more economical solution for servicing and maintenance.

2.4 SUPPORT STRUCTURES

A. Foundation Material: Provide one of the following:

1. Pre-stressed, centrifugally cast, reinforced concrete stub-base, direct embedded.
2. Cast-in-place concrete foundation with anchor bolts.

B. Support-Structure Wind-Load Strength: Poles and other support structures, brackets, arms, appurtenances, bases, anchorages, and foundations shall comply with AASHTO LTS-6-M and shall be certified by manufacturers to withstand steady winds up to 100 mph with a 3-s gust effect factor of 1.14 without permanent deflection or whipping.

C. Mountings, Fasteners, and Appurtenances:

1. Corrosion resistant, compatible with support components, and shall not cause galvanic action at contact points.

   a. Steel Components: Hot-dip galvanized after fabrication, complying with ASTM A 123/A 123M.
   b. Mounting Hardware Fasteners: Hot-dip galvanized, complying with ASTM A 153/A 153M.

D. Provisions for Other Systems: Where exterior loudspeakers are indicated, provide the following:

1. 1-inch threaded hub at height of loudspeaker: 40 feet above finish grade.
2. Flat mounting plate at 45 degrees to the field of play facing the 50-yard line.
3. Hand hole opposite threaded hub.
4. Mounting loops.
5. Structural selection of pole to accommodate loudspeaker.

   a. One each on Pole F3 and Pole F4.
   b. 40.2-in. high by 9.9-in. wide by 13.6-in. deep.
   c. 54 pounds.

E. Concrete for Pole Foundations: 4000-psi, 28-day minimum compressive strength. Concrete, reinforcement, and formwork are specified in Division 03 Section "Cast-in-Place Concrete."

F. Lightning Protection: Provide air terminal, down conductor, and ground terminal. Comply with NFPA 780.

2.5 POWER DISTRIBUTION AND CONTROL

A. Wiring Method for Feeders, Sub-feeders, Branch Circuits, and Control Wiring: Underground nonmetallic raceway; No. 10 AWG minimum conductor size for power wiring.

B. Overhead-, pole-, or structure-supported wiring and transformers are not permitted.

C. Electrical Enclosures Exposed to Weather: NEMA 250, Type 4 enclosure constructed from stainless steel, with hinged doors fitted with padlock hasps or lockable latches.

D. Lighting Contactors: Electrically operated and mechanically held, combination-type lighting contactors with, complying with NEMA ICS 2 and UL 508.

1. Current Rating for Switching: Listing or rating consistent with type of load served, including tungsten filament, inductive, and high-inrush ballast (ballast with 15 percent or less total harmonic distortion of normal load current).
2. Fault Current Withstand Rating: Equal to or exceeding the available fault current at the point of installation.
3. Enclosure: Comply with NEMA 250, Type 3R.
4. Provide with control and pilot devices as indicated in Performance Requirements Article, matching the NEMA type specified for the enclosure.
5. Emergency Lighting Control: Provide one more contactor than needed to control athletic lighting for control of the 120-volt emergency lighting control voltage.

2.6 GENERAL FINISH REQUIREMENTS

A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Variations in finishes are unacceptable in the same piece. Variations in finishes of adjoining components are acceptable if they are within the range of approved Samples and if they can be and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Examine roughing-in for luminaire electrical and communications conduit to verify actual locations of connections before pole or luminaire installation.

C. Examine foundations for suitable conditions where luminaires will be installed.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Comply with NECA 1 and NECA 501.

B. Coordination layout and installation of luminaires with other construction.

C. Use web fabric slings (not chain or cable) to raise and set structural members. Protect equipment during installation to prevent corrosion.

D. Install poles and other structural units level, plumb, and square.

E. Install luminaires at height and aiming angle as indicated on Submittal Drawings.

F. Except for embedded structural members, grout void between pole base and foundation. Use nonshrinking or expanding concrete grout firmly packed in entire void space. Use a short piece of 1/2-inch-diameter pipe to make a drain hole through grout. Arrange to drain condensation from interior of pole.

G. Extend cast-in-place bolted base foundations 36 inches above grade, minimum.

H. Install controls and driver housings in cabinets mounted on support structure at least 10 feet above finished grade.

I. Install all control wiring as required by the manufacturer’s control system.

3.3 IDENTIFICATION

A. Identify system components, wiring, cabling, and terminals. Comply with requirements for identification specified in Section 26 05 53 "Identification for Electrical Systems."

3.4 FIELD QUALITY CONTROL

A. Perform the following tests and inspections:

1. After installing sports lighting system and after electrical circuits have been energized, perform proof-of-performance field measurements and analysis for compliance with requirements.
2. Playing and Other Designated Areas: Make field measurements at intersections of grids, dimensioned and located as specified in "Performance Requirements" Article and as described below:

    a. Football Fields: Lighted area is 180 feet by 360 feet. Measure at least 72 points.
    b. Track and Fields: Measure at least 48 points on the track. Measure at least 10 points per field event area.

3. Make field measurements at established test points at property lines in areas of concern for spill light and glare.
4. Perform analysis to demonstrate correlation of field measurements with specified illumination quality and quantity values and corresponding computer-generated values that were submitted with engineered design documents. Submit a report of the analysis. For computer-generated values, use manufacturer's lamp lumens that are adjusted to lamp age at time of field testing.

B. Correction of Illumination Deficiencies for Playing Areas: Make corrections to illumination quality or quantity, measured in field quality-control tests, that varies from specified illumination criteria by plus or minus 10 percent.

1. Add or replace luminaires; change mounting height and aiming; or install louvers, shields, or baffles.
2. If luminaires are added or mounting height is changed, revise aiming and recalculate and modify or replace support structures if indicated.
3. Do not replace luminaires with units of higher or lower wattage without Engineer’s approval.
4. Retest as specified above after repairs, adjustments, or replacements are made.
5. Report results in writing.

C. Correction of Excessive Illumination in Spill-Light-Critical Areas at Property Lines: If measurements indicate that specified limits for spill light are exceeded, make corrections to illumination quantity, measured in field quality-control tests, that reduce levels to within specified maximum values.

1. Replace luminaires; change mounting heights and revise aiming; or install louvers, shields, or baffles.
2. Obtain Engineer’s approval to replace luminaires with units of higher or lower wattage.
3. If mounting height is changed, revise aiming and recalculate and modify or replace support structures if indicated.
4. Retest as specified above after repairs, adjustments, or replacements are made.
5. Report results in writing.

D. Sports lighting will be considered defective if it does not pass tests and inspections.

E. Prepare test and inspection reports.

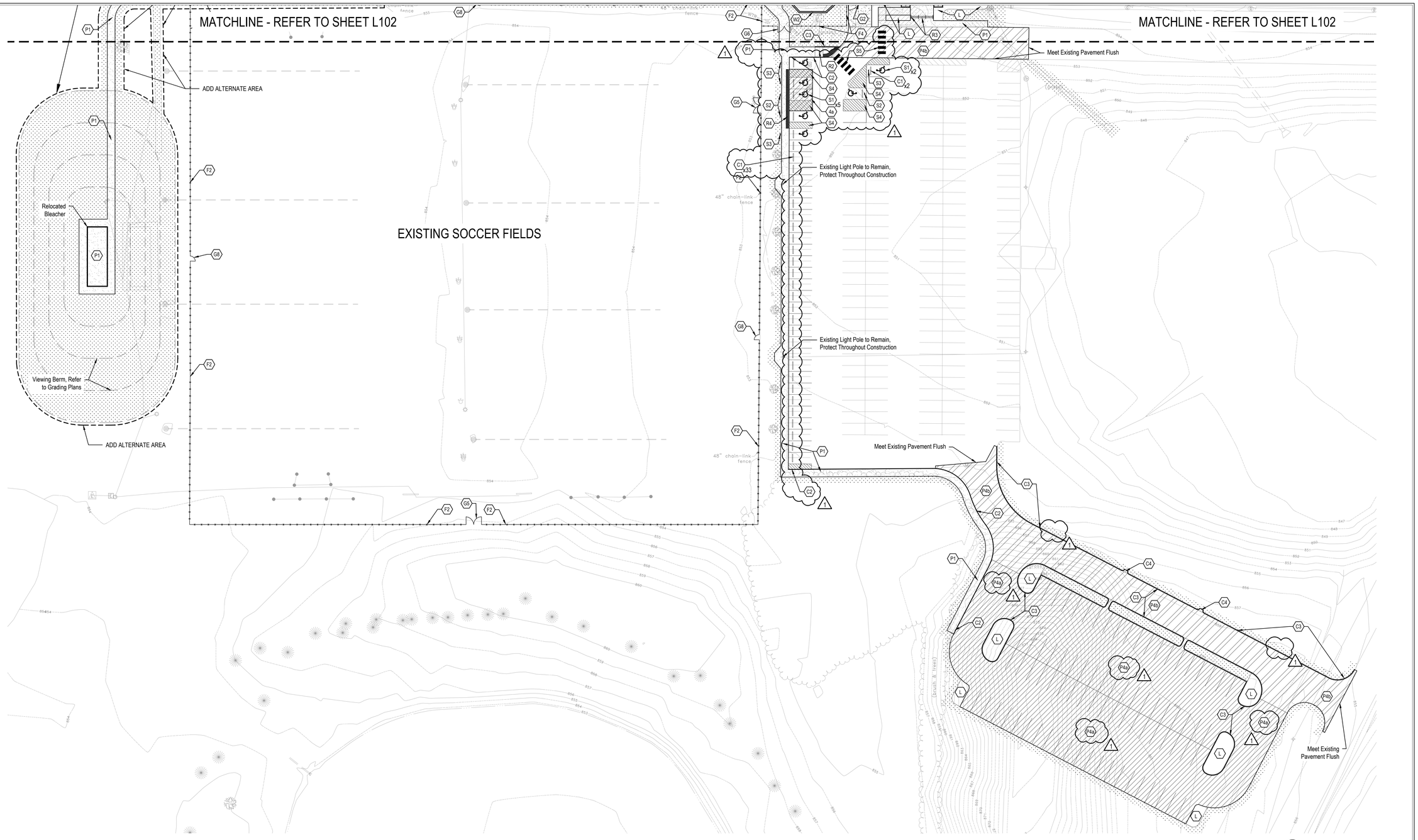
3.5 ADJUSTING

A. Adjust luminaires and supports to maintain orientation and aiming as recommended by manufacturer.

3.6 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain sports lighting.

END OF SECTION



	ATHLETIC EQUIPMENT
KEY	DESCRIPTION / REFERENCE
A1	BACKSTOP TENSION NETTING SYSTEM, REFER TO SITE DETAILS 5, 7/L601 AND SPECIFICATIONS
A2	BACKSTOP TENSION NETTING SYSTEM POSTS, REFER TO SITE DETAIL 4/L601 AND SPECIFICATIONS

	CURBS
KEY	DESCRIPTION / REFERENCE
C1	WHEEL STOP, REFER TO SITE DETAIL 10/L600
C2	INTEGRAL CURB AND SIDEWALK, REFER TO SITE DETAIL 8/L600
C3	POST CURB, REFER TO SITE DETAIL 7/L600
C4	CURB TURNOUT, REFER TO SITE DETAIL 9/L600

	FENCING
KEY	DESCRIPTION / REFERENCE
F1	CHAIN LINK FENCE, 4'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F2	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F3	CHAIN LINK FENCE, 8'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F4	ORNAMENTAL FENCE, 6'-0" HT. REFER SPECIFICATIONS
F5	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, WITH PRIVACY SLATS, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS

	GATES
KEY	DESCRIPTION / REFERENCE
G1	CHAIN LINK, DOUBLE WING SWING GATE, 24'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G2	CHAIN LINK, DOUBLE WING SWING GATE, 20'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G3	ORNAMENTAL DOUBLE SLIDING GATE, 18'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G4	ORNAMENTAL DOUBLE SLIDING GATE, 16'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G5	CHAIN LINK, DOUBLE WING SWING GATE, 12'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G6	CHAIN LINK, DOUBLE WING SWING GATE, 10'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G7	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G8	CHAIN LINK, SINGLE WING SWING GATE, 4'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G9	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G10	CHAIN LINK, SINGLE WING SWING GATE, 3'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS

	PAVEMENT, CONCRETE
KEY	DESCRIPTION / REFERENCE
P1	STANDARD DUTY CONCRETE, REFER TO SITE DETAILS 1,3-4/L600
P2	HEAVY DUTY CONCRETE, REFER TO SITE DETAIL 2,3-4/L600
P3	HOME BLEACHER PAD CONCRETE, REFER TO MANUFACTURER REQUIREMENTS

	PAVEMENT, ASPHALT
KEY	DESCRIPTION / REFERENCE
P4a	STANDARD DUTY ASPHALT, REFER TO SITE DETAIL 5/L600
P4b	HEAVY DUTY ASPHALT, REFER TO SITE DETAIL 6/L600

	PAVEMENT, GRAVEL
KEY	DESCRIPTION / REFERENCE
P5	GRAVEL SURFACING, REFER TO SITE DETAIL 6/L601

	RAMPS & STAIRS
KEY	DESCRIPTION / REFERENCE
R1	PARALLEL CURB RAMP, REFER TO SITE DETAIL 1/L602
R2	ONE WAY DIRECTIONAL PERPENDICULAR CORNER CURB RAMP, REFER TO SITE DETAIL 2/L602
R3	STAIRS WITH HANDRAILS, REFER TO SITE DETAILS 3/L602
R4	TRUNCATED DOMES WITH NO WALK CONDITION, REFER TO SITE DETAIL 6/L602

	SIGNAGE AND STRIPING, (COMPLY WITH MUTCD STANDARDS, VIF REGULATORY SIGNS WITH CITY REPRESENTATIVE)
KEY	DESCRIPTION / REFERENCE
S1	ADA PARKING SYMBOL, REFER TO SITE DETAIL 11/L601
S2	VAN ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S3	ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S4	ADA STRIPING , REFER TO SITE DETAIL 12/L600
S5	CROSSWALK STRIPING, REFER TO SITE DETAIL 7/L602

	WALLS
KEY	DESCRIPTION / REFERENCE
W1	MASONRY PIER, REFER TO SITE DETAILS 4-5/L602
W2	CAST IN PLACE RETAINING WALL, REFER TO SITE DETAIL 2/L601
W3	MONUMENT SIGN, REFER TO ARCHITECTURAL PLANS

	LANDSCAPE AREA
KEY	DESCRIPTION / REFERENCE
L	REFER TO L300 SERIES PLANTING PLANS
	SEEDED LAWN TURF, REFER TO SPECIFICATIONS

1

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-9000 | www.context-design.com

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction materials to be employed.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction of the project.
On the basis of the general scope indicated or described the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 02/22/2024 Addendum #1

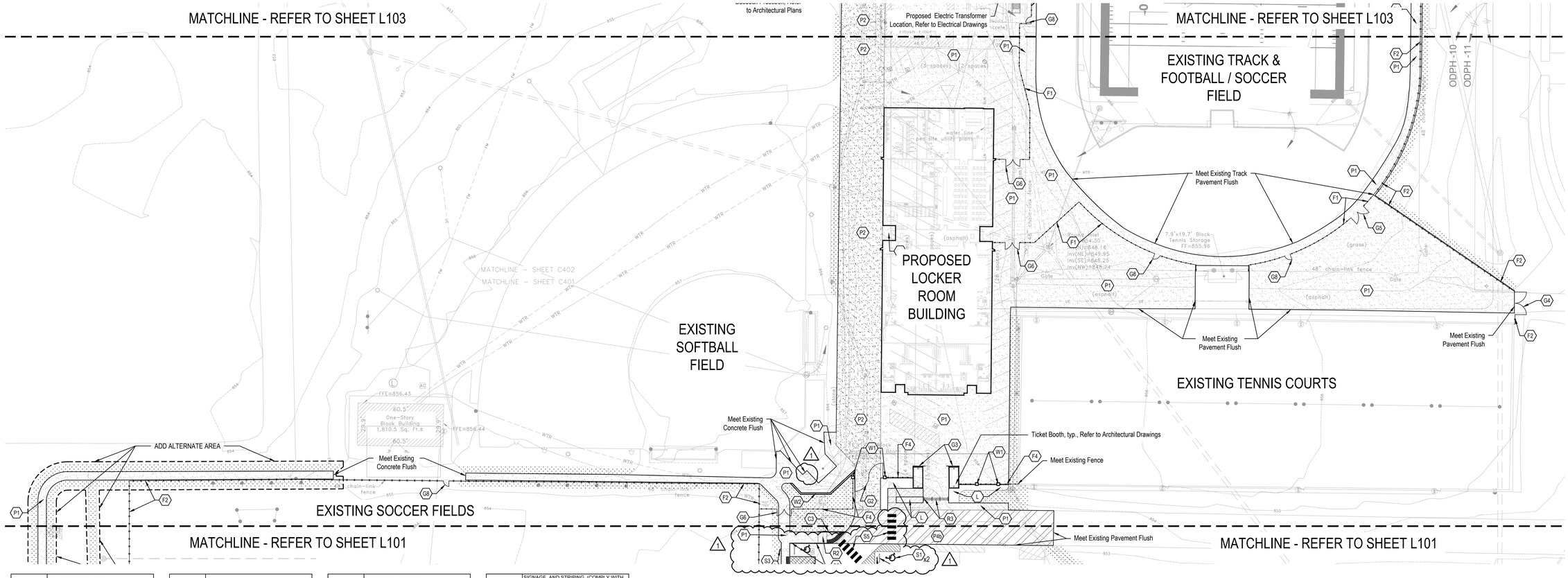
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:
SITE MATERIALS PLAN

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2025

DRAWING NUMBER
L101

PROJECT NUMBER
2022060



	ATHLETIC EQUIPMENT
KEY	DESCRIPTION / REFERENCE
A1	BACKSTOP TENSION NETTING SYSTEM. REFER TO SITE DETAILS 5, 7/L601 AND SPECIFICATIONS
A2	BACKSTOP TENSION NETTING SYSTEM POSTS, REFER TO SITE DETAIL 4/L601 AND SPECIFICATIONS

	CURBS
KEY	DESCRIPTION / REFERENCE
C1	WHEEL STOP, REFER TO SITE DETAIL 10/L600
C2	INTEGRAL CURB AND SIDEWALK, REFER TO SITE DETAIL 8/L600
C3	POST CURB, REFER TO SITE DETAIL 7/L600
C4	CURB TURNOUT, REFER TO SITE DETAIL 9/L600

	FENCING
KEY	DESCRIPTION / REFERENCE
F1	CHAIN LINK FENCE, 4'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F2	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F3	CHAIN LINK FENCE. 8'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F4	ORNAMENTAL FENCE, 6'-0" HT. REFER SPECIFICATIONS
F5	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, WITH PRIVACY SLATS, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS

	GATES
KEY	DESCRIPTION / REFERENCE
G1	CHAIN LINK, DOUBLE WING SWING GATE, 24'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G2	CHAIN LINK, DOUBLE WING SWING GATE, 20'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G3	ORNAMENTAL DOUBLE SLIDING GATE, 18'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G4	ORNAMENTAL DOUBLE SLIDING GATE, 16'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G5	CHAIN LINK, DOUBLE WING SWING GATE, 12'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G6	CHAIN LINK, DOUBLE WING SWING GATE, 10'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G7	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G8	CHAIN LINK, SINGLE WING SWING GATE, 4'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G9	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G10	CHAIN LINK, SINGLE WING SWING GATE, 3'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS

	PAVEMENT, CONCRETE
KEY	DESCRIPTION / REFERENCE
P1	STANDARD DUTY CONCRETE, REFER TO SITE DETAILS 1,3-4/L600
P2	HEAVY DUTY CONCRETE, REFER TO SITE DETAIL 2,3-4/L600
P3	HOME BLEACHER PAD CONCRETE, REFER TO MANUFACTURER REQUIREMENTS

	PAVEMENT, ASPHALT
KEY	DESCRIPTION / REFERENCE
P4a	STANDARD DUTY ASPHALT, REFER TO SITE DETAIL 5/L600
P4b	HEAVY DUTY ASPHALT, REFER TO SITE DETAIL 6/L600

	PAVEMENT, GRAVEL
KEY	DESCRIPTION / REFERENCE
P5	GRAVEL SURFACING, REFER TO SITE DETAIL 6/L601

	RAMPS & STAIRS
KEY	DESCRIPTION / REFERENCE
R1	PARALLEL CURB RAMP, REFER TO SITE DETAIL 1/L602
R2	ONE WAY DIRECTIONAL PERPENDICULAR CORNER CURB RAMP, REFER TO SITE DETAIL 2/L602
R3	STAIRS WITH HANDRAILS, REFER TO SITE DETAILS 3,5/L602
R4	TRUNCATED DOMES WITH NO WALK CONDITION, REFER TO SITE DETAIL 6/L602

	SIGNAGE AND STRIPING, (COMPLY WITH MUTCD STANDARDS, VIF REGULATORY SIGNS WITH CITY REPRESENTATIVE)
KEY	DESCRIPTION / REFERENCE
S1	ADA PARKING SYMBOL, REFER TO SITE DETAIL 1/L601
S2	VAN ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S3	ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S4	ADA STRIPING , REFER TO SITE DETAIL 12/L600
S5	CROSSWALK STRIPING, REFER TO SITE DETAIL 7/L602

	WALLS
KEY	DESCRIPTION / REFERENCE
W1	MASONRY PIER, REFER TO SITE DETAILS 4-5/L602
W2	CAST IN PLACE RETAINING WALL, REFER TO SITE DETAIL 2/L601
W3	MONUMENT SIGN, REFER TO ARCHITECTURAL PLANS

	LANDSCAPE AREA
KEY	DESCRIPTION / REFERENCE
L	REFER TO L300 SERIES PLANTING PLANS
	SEEDED LAWN TURF, REFER TO SPECIFICATIONS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5925 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials to be employed.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction of the project.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1 02/22/2024	Addendum #1

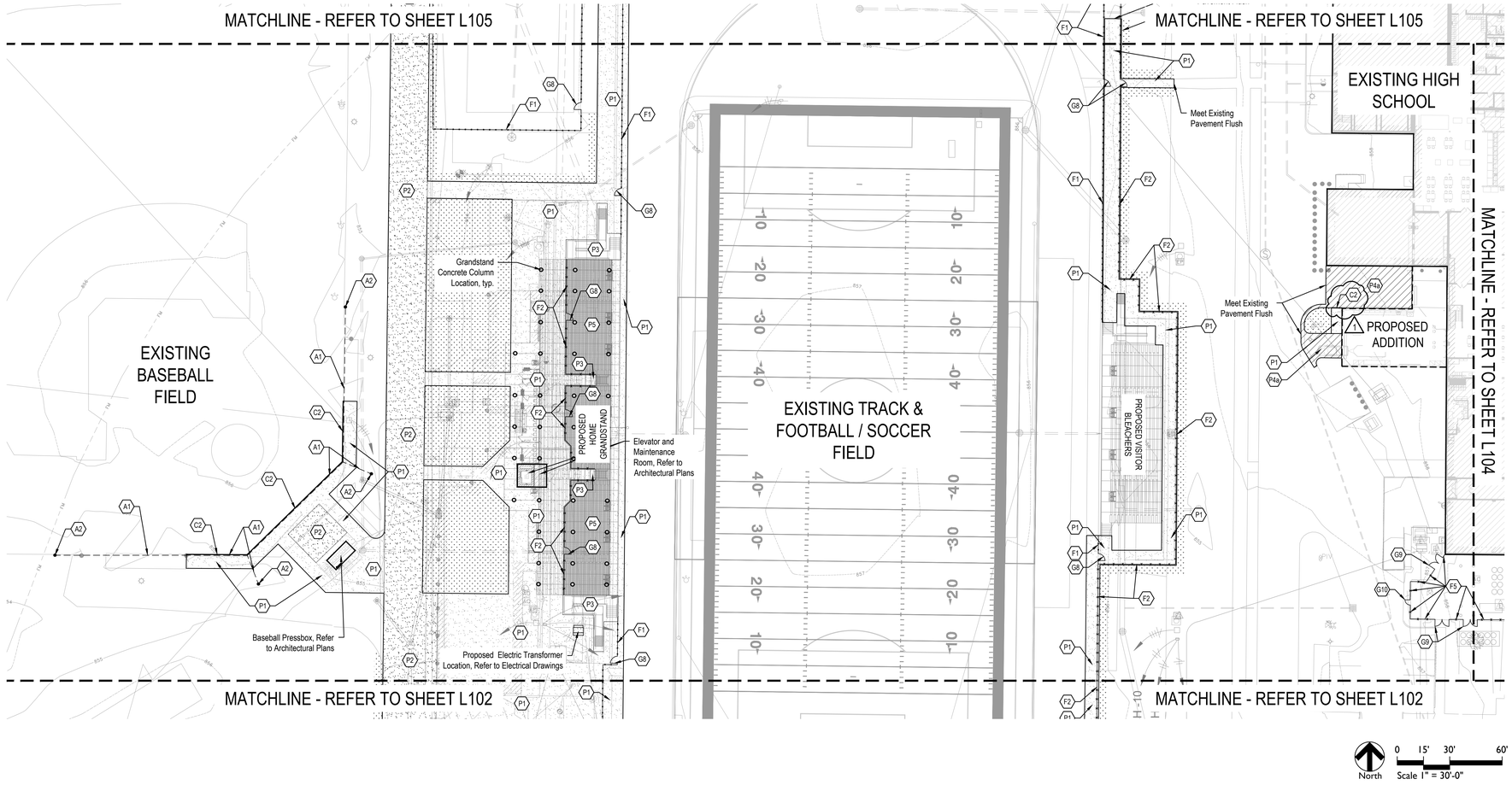
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:
SITE MATERIALS PLAN

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2025

DRAWING NUMBER
L102

PROJECT NUMBER
2022060



	ATHLETIC EQUIPMENT
KEY	DESCRIPTION / REFERENCE
A1	BACKSTOP TENSION NETTING SYSTEM, REFER TO SITE DETAILS 5, 7/L601 AND SPECIFICATIONS
A2	BACKSTOP TENSION NETTING SYSTEM POSTS, REFER TO SITE DETAIL 4/L601 AND SPECIFICATIONS

	CURBS
KEY	DESCRIPTION / REFERENCE
C1	WHEEL STOP, REFER TO SITE DETAIL 10/L600
C2	INTEGRAL CURB AND SIDEWALK, REFER TO SITE DETAIL 8/L600
C3	POST CURB, REFER TO SITE DETAIL 7/L600
C4	CURB TURNOUT, REFER TO SITE DETAIL 9/L600

	FENCING
KEY	DESCRIPTION / REFERENCE
F1	CHAIN LINK FENCE, 4'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F2	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F3	CHAIN LINK FENCE, 8'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F4	ORNAMENTAL FENCE, 6'-0" HT. REFER SPECIFICATIONS
F5	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, WITH PRIVACY SLATS, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS

	GATES
KEY	DESCRIPTION / REFERENCE
G1	CHAIN LINK, DOUBLE WING SWING GATE, 24'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G2	CHAIN LINK, DOUBLE WING SWING GATE, 20'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G3	ORNAMENTAL DOUBLE SLIDING GATE, 18'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G4	ORNAMENTAL DOUBLE SLIDING GATE, 16'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G5	CHAIN LINK, DOUBLE WING SWING GATE, 12'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G6	CHAIN LINK, DOUBLE WING SWING GATE, 10'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G7	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G8	CHAIN LINK, SINGLE WING SWING GATE, 4'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G9	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G10	CHAIN LINK, SINGLE WING SWING GATE, 3'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS

	PAVEMENT, CONCRETE
KEY	DESCRIPTION / REFERENCE
P1	STANDARD DUTY CONCRETE, REFER TO SITE DETAILS 1,3-4/L600
P2	HEAVY DUTY CONCRETE, REFER TO SITE DETAIL 2,3-4/L600
P3	HOME BLEACHER PAD CONCRETE, REFER TO MANUFACTURER REQUIREMENTS

	PAVEMENT, ASPHALT
KEY	DESCRIPTION / REFERENCE
P4a	STANDARD DUTY ASPHALT, REFER TO SITE DETAIL 5/L600
P4b	HEAVY DUTY ASPHALT, REFER TO SITE DETAIL 6/L600

	PAVEMENT, GRAVEL
KEY	DESCRIPTION / REFERENCE
P5	GRAVEL SURFACING, REFER TO SITE DETAIL 6/L601

	RAMPS & STAIRS
KEY	DESCRIPTION / REFERENCE
R1	PARALLEL CURB RAMP, REFER TO SITE DETAIL 1/L602
R2	ONE WAY DIRECTIONAL PERPENDICULAR CORNER CURB RAMP, REFER TO SITE DETAIL 2/L602
R3	STAIRS WITH HANDRAILS, REFER TO SITE DETAIL 3/L602
1 R4	TRUNCATED DOMES WITH NO WALK CONDITION, REFER TO SITE DETAIL 6/L602

	SIGNAGE AND STRIPING (COMPLY WITH MUTCD STANDARDS, VIF REGULATORY SIGNS WITH CITY REPRESENTATIVE)
KEY	DESCRIPTION / REFERENCE
S1	ADA PARKING SYMBOL, REFER TO SITE DETAIL 11/L601
S2	VAN ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S3	ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S4	ADA STRIPING , REFER TO SITE DETAIL 12/L600
1 S5	CROSSWALK STRIPING, REFER TO SITE DETAIL 7/L602

	WALLS
KEY	DESCRIPTION / REFERENCE
W1	MASONRY PIER, REFER TO SITE DETAILS 4-5/L602
W2	CAST IN PLACE RETAINING WALL, REFER TO SITE DETAIL 2/L601
W3	MONUMENT SIGN, REFER TO ARCHITECTURAL PLANS

	LANDSCAPE AREA
KEY	DESCRIPTION / REFERENCE
L	REFER TO L300 SERIES PLANTING PLANS
	SEEDED LAWN TURF, REFER TO SPECIFICATIONS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5925 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-9080 | www.context-design.com

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all the work required for the performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 02/22/2024 Addendum #1

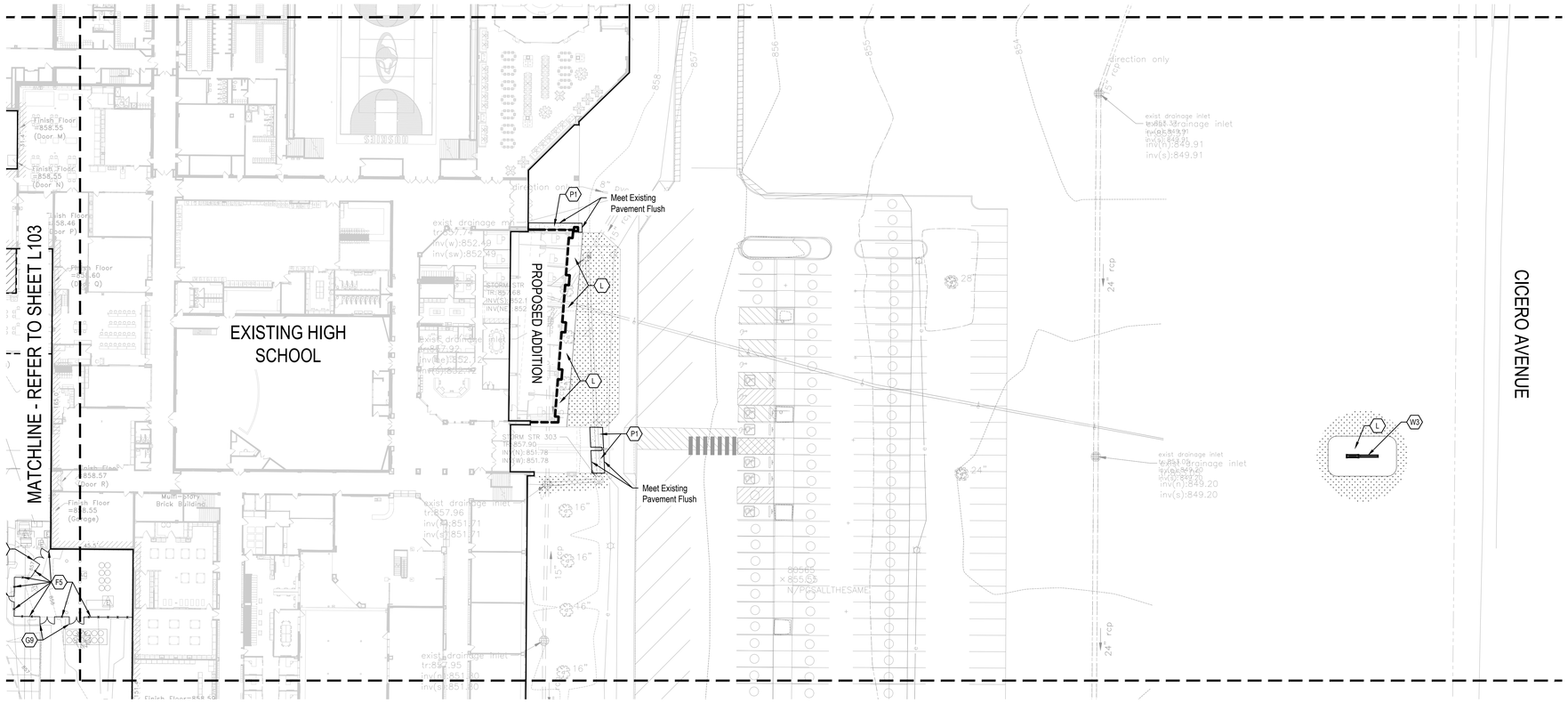
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:
SITE MATERIALS PLAN

CERTIFIED BY:
FREDDIE J. PRATEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2025

DRAWING NUMBER
L103

PROJECT NUMBER
2022060



	ATHLETIC EQUIPMENT
KEY	DESCRIPTION / REFERENCE
A1	BACKSTOP TENSION NETTING SYSTEM, REFER TO SITE DETAILS 5, 7/L601 AND SPECIFICATIONS
A2	BACKSTOP TENSION NETTING SYSTEM POSTS, REFER TO SITE DETAIL 4/L601 AND SPECIFICATIONS

	CURBS
KEY	DESCRIPTION / REFERENCE
C1	WHEEL STOP, REFER TO SITE DETAIL 10/L600
C2	INTEGRAL CURB AND SIDEWALK, REFER TO SITE DETAIL 8/L600
C3	POST CURB, REFER TO SITE DETAIL 7/L600
C4	CURB TURNOUT, REFER TO SITE DETAIL 9/L600

	FENCING
KEY	DESCRIPTION / REFERENCE
F1	CHAIN LINK FENCE, 4'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F2	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F3	CHAIN LINK FENCE, 8'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F4	ORNAMENTAL FENCE, 6'-0" HT. REFER SPECIFICATIONS
F5	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, WITH PRIVACY SLATS, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS

	GATES
KEY	DESCRIPTION / REFERENCE
G1	CHAIN LINK, DOUBLE WING SWING GATE, 24'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G2	CHAIN LINK, DOUBLE WING SWING GATE, 20'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G3	ORNAMENTAL DOUBLE SLIDING GATE, 18'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G4	ORNAMENTAL DOUBLE SLIDING GATE, 16'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G5	CHAIN LINK, DOUBLE WING SWING GATE, 12'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G6	CHAIN LINK, DOUBLE WING SWING GATE, 10'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G7	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G8	CHAIN LINK, SINGLE WING SWING GATE, 4'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G9	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G10	CHAIN LINK, SINGLE WING SWING GATE, 3'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS

	PAVEMENT, CONCRETE
KEY	DESCRIPTION / REFERENCE
P1	STANDARD DUTY CONCRETE, REFER TO SITE DETAILS 1,3-4/L600
P2	HEAVY DUTY CONCRETE, REFER TO SITE DETAIL 2,3-4/L600
P3	HOME BLEACHER PAD CONCRETE, REFER TO MANUFACTURER REQUIREMENTS

	PAVEMENT, ASPHALT
KEY	DESCRIPTION / REFERENCE
P4a	STANDARD DUTY ASPHALT, REFER TO SITE DETAIL 5/L600
P4b	HEAVY DUTY ASPHALT, REFER TO SITE DETAIL 6/L600

	PAVEMENT, GRAVEL
KEY	DESCRIPTION / REFERENCE
P5	GRAVEL SURFACING, REFER TO SITE DETAIL 6/L601

	RAMPS & STAIRS
KEY	DESCRIPTION / REFERENCE
R1	PARALLEL CURB RAMP, REFER TO SITE DETAIL 1/L602
R2	ONE WAY DIRECTIONAL PERPENDICULAR CORNER CURB RAMP, REFER TO SITE DETAIL 2/L602
R3	STAIRS WITH HANDRAILS, REFER TO SITE DETAILS 3,5/L602
△1 R4	TRUNCATED DOMES WITH NO WALK CONDITION, REFER TO SITE DETAIL 6/L602

	SIGNAGE AND STRIPING, (COMPLY WITH MUTCD STANDARDS, VIF REGULATORY SIGNS WITH CITY REPRESENTATIVE)
KEY	DESCRIPTION / REFERENCE
S1	ADA PARKING SYMBOL, REFER TO SITE DETAIL 1/L601
S2	VAN ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S3	ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S4	ADA STRIPING , REFER TO SITE DETAIL 12/L600
△1 S5	CROSSWALK STRIPING, REFER TO SITE DETAIL 7/L602

	WALLS
KEY	DESCRIPTION / REFERENCE
W1	MASONRY PIER, REFER TO SITE DETAILS 4-5/L602
W2	CAST IN PLACE RETAINING WALL, REFER TO SITE DETAIL 2/L601
W3	MONUMENT SIGN, REFER TO ARCHITECTURAL PLANS

	LANDSCAPE AREA
KEY	DESCRIPTION / REFERENCE
L	REFER TO L300 SERIES PLANTING PLANS
▒	SEEDED LAWN TURF, REFER TO SPECIFICATIONS

Hamilton Heights
School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

PROJECT:

HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

△1	02/22/2024	Addendum #1

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:

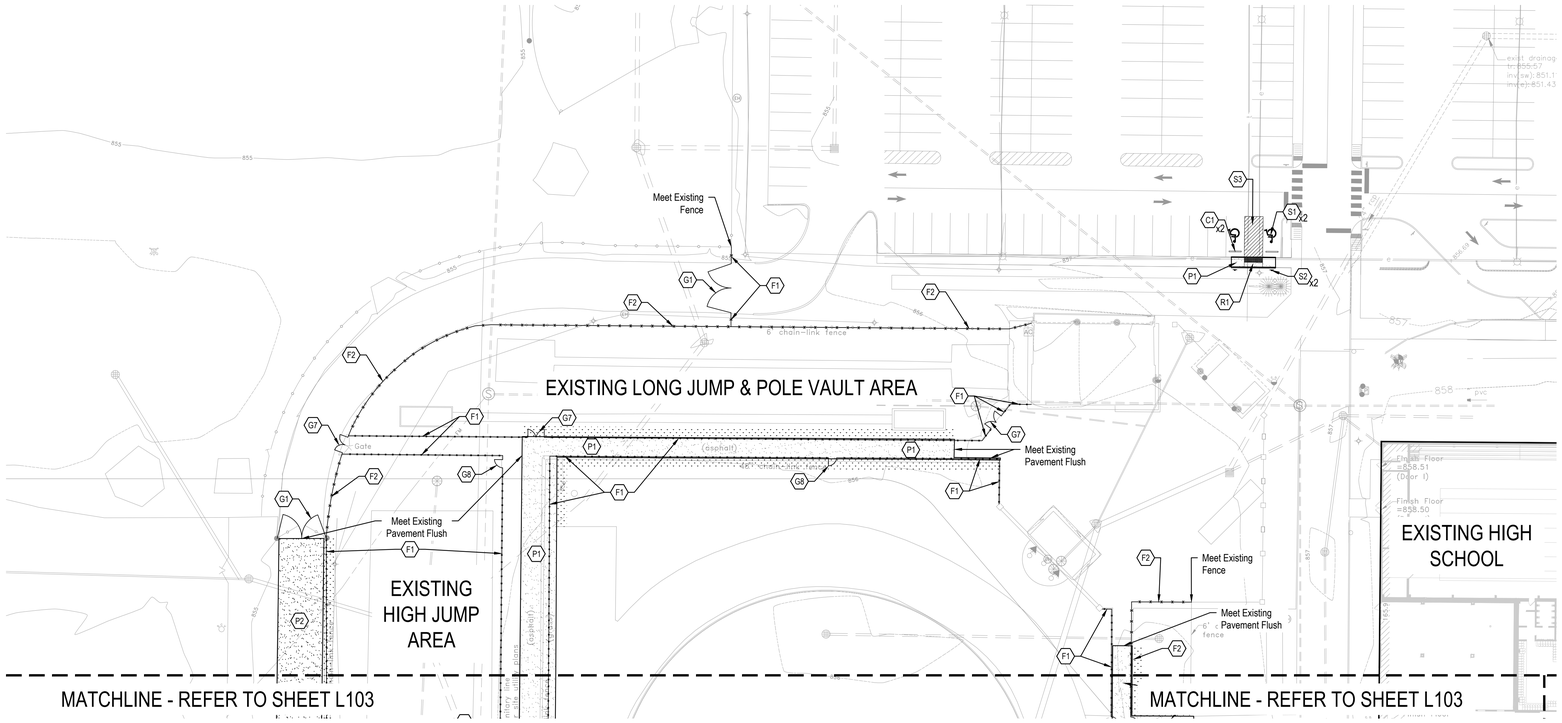
SITE
MATERIALS
PLAN

CERTIFIED BY:

FREDDIE J. PRAZEAU
No. 2020-0052
EXPIRES 12-31-2025

DRAWING NUMBER
L104

PROJECT NUMBER
2022060



	ATHLETIC EQUIPMENT
KEY	DESCRIPTION / REFERENCE
A1	BACKSTOP TENSION NETTING SYSTEM, REFER TO SITE DETAILS 5, 7/L601 AND SPECIFICATIONS
A2	BACKSTOP TENSION NETTING SYSTEM POSTS, REFER TO SITE DETAIL 4/L601 AND SPECIFICATIONS

	CURBS
KEY	DESCRIPTION / REFERENCE
C1	WHEEL STOP, REFER TO SITE DETAIL 10/L600
C2	INTEGRAL CURB AND SIDEWALK, REFER TO SITE DETAIL 8/L600
C3	POST CURB, REFER TO SITE DETAIL 7/L600
C4	CURB TURNOUT, REFER TO SITE DETAIL 9/L600

	FENCING
KEY	DESCRIPTION / REFERENCE
F1	CHAIN LINK FENCE, 4'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F2	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F3	CHAIN LINK FENCE, 8'-0" HT., VINYL COATED, BLACK, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS
F4	ORNAMENTAL FENCE, 6'-0" HT. REFER SPECIFICATIONS
F5	CHAIN LINK FENCE, 6'-0" HT., VINYL COATED, BLACK, WITH PRIVACY SLATS, REFER TO SITE DETAIL 3/L601 AND SPECIFICATIONS

	GATES
KEY	DESCRIPTION / REFERENCE
G1	CHAIN LINK, DOUBLE WING SWING GATE, 24'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G2	CHAIN LINK, DOUBLE WING SWING GATE, 20'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G3	ORNAMENTAL DOUBLE SLIDING GATE, 18'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G4	ORNAMENTAL DOUBLE SLIDING GATE, 16'-0" WIDTH, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G5	CHAIN LINK, DOUBLE WING SWING GATE, 12'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G6	CHAIN LINK, DOUBLE WING SWING GATE, 10'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G7	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G8	CHAIN LINK, SINGLE WING SWING GATE, 4'-0" WIDTH, VINYL COATED, BLACK, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G9	CHAIN LINK, SINGLE WING SWING GATE, 8'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS
G10	CHAIN LINK, SINGLE WING SWING GATE, 3'-0" WIDTH, VINYL COATED, BLACK, WITH PRIVACY SLATS, MATCH ADJACENT FENCING HT., REFER TO SPECIFICATIONS

	PAVEMENT, CONCRETE
KEY	DESCRIPTION / REFERENCE
P1	STANDARD DUTY CONCRETE, REFER TO SITE DETAILS 1,3-4/L600
P2	HEAVY DUTY CONCRETE, REFER TO SITE DETAIL 2,3-4/L600
P3	HOME BLEACHER PAD CONCRETE, REFER TO MANUFACTURER REQUIREMENTS

	PAVEMENT, ASPHALT
KEY	DESCRIPTION / REFERENCE
P4a	STANDARD DUTY ASPHALT, REFER TO SITE DETAIL 5/L600
P4b	HEAVY DUTY ASPHALT, REFER TO SITE DETAIL 6/L600

	PAVEMENT, GRAVEL
KEY	DESCRIPTION / REFERENCE
P5	GRAVEL SURFACING, REFER TO SITE DETAIL 6/L601

	RAMPS & STAIRS
KEY	DESCRIPTION / REFERENCE
R1	PARALLEL CURB RAMP, REFER TO SITE DETAIL 1/L602
R2	ONE WAY DIRECTIONAL PERPENDICULAR CORNER CURB RAMP, REFER TO SITE DETAIL 2/L602
R3	STAIRS WITH HANDRAILS, REFER TO SITE DETAILS 3,5/L602
R4	TRUNCATED DOMES WITH NO WALK CONDITION, REFER TO SITE DETAIL 6/L602

	SIGNAGE, AND STRIPING (CONFORM WITH MUTCD STANDARDS, VIF REGULATORY SIGNS WITH CITY REPRESENTATIVE)
KEY	DESCRIPTION / REFERENCE
S1	ADA PARKING SYMBOL, REFER TO SITE DETAIL 1/L601
S2	VAN ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S3	ACCESSIBLE ADA PARKING SIGN, REFER TO SITE DETAIL 11/L600
S4	ADA STRIPING , REFER TO SITE DETAIL 12/L600
S5	CROSSWALK STRIPING, REFER TO SITE DETAIL 7/L602

	WALLS
KEY	DESCRIPTION / REFERENCE
W1	MASONRY PIER, REFER TO SITE DETAILS 4-5/L602
W2	CAST IN PLACE RETAINING WALL, REFER TO SITE DETAIL 2/L601
W3	MONUMENT SIGN, REFER TO ARCHITECTURAL PLANS

	LANDSCAPE AREA
KEY	DESCRIPTION / REFERENCE
L	REFER TO L300 SERIES PLANTING PLANS
	SEEDED LAWN TURF, REFER TO SPECIFICATIONS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5925 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-486-9080 | www.context-design.com

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials required for the work.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the Contractor shall furnish all labor and materials required for the proper execution and completion of the work.

REVISIONS:
1 02/22/2024 Addendum #1

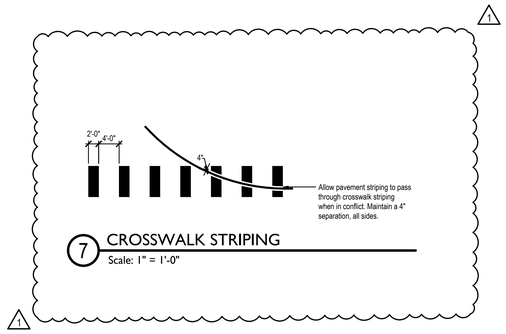
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:
SITE MATERIALS PLAN

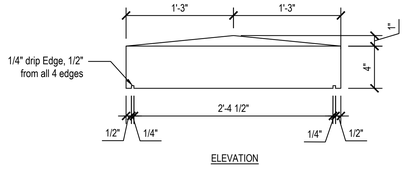
CERTIFIED BY:
FREDDIE J. PRATEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2025

DRAWING NUMBER
L105

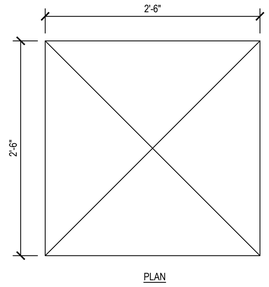
PROJECT NUMBER
2022060



7 CROSSWALK STRIPING
Scale: 1" = 1'-0"

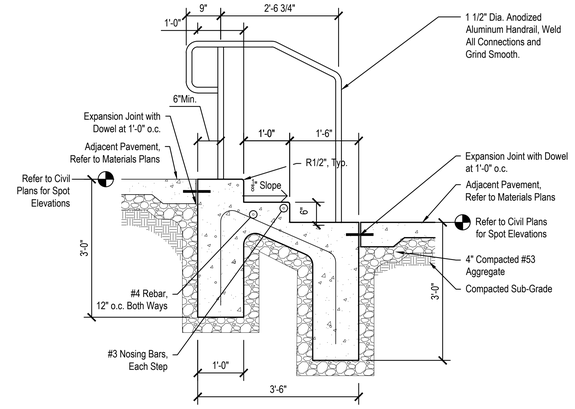


ELEVATION

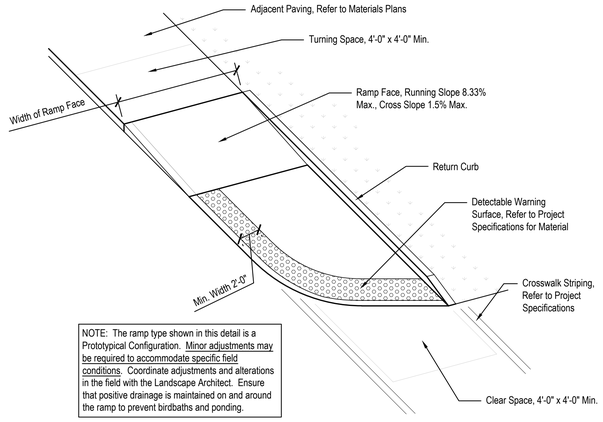


PLAN

5 LIMESTONE MASONRY PIER COPING
NOT TO SCALE

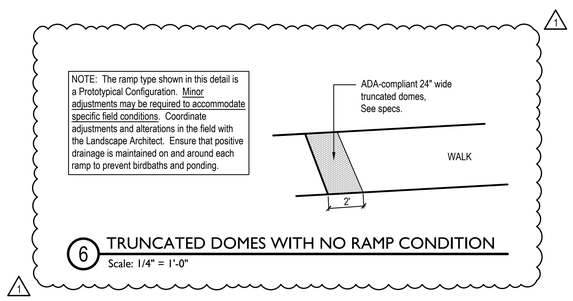


3 STAIR, 2 STEPS
Scale: 3/4" = 1'-0"

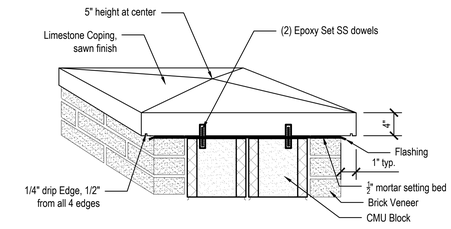


NOTE: The ramp type shown in this detail is a Prototypical Configuration. Minor adjustments may be required to accommodate specific field conditions. Coordinate adjustments and alterations in the field with the Landscape Architect. Ensure that positive drainage is maintained on and around the ramp to prevent birdbaths and ponding.

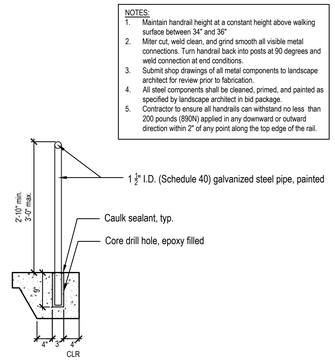
2 ONE-WAY DIRECTIONAL PERPENDICULAR CORNER CURB RAMP
Scale: 1/4" = 1'-0"



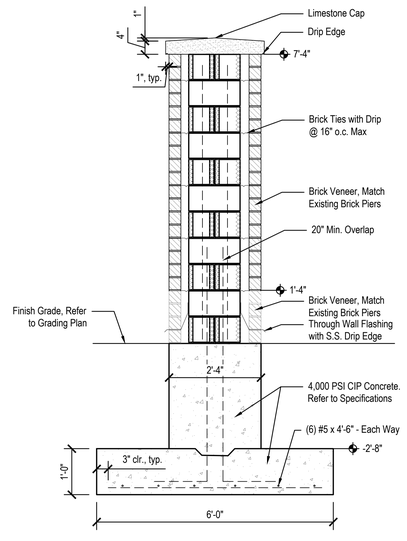
6 TRUNCATED DOMES WITH NO RAMP CONDITION
Scale: 1/4" = 1'-0"



5 LIMESTONE MASONRY PIER COPING
NOT TO SCALE

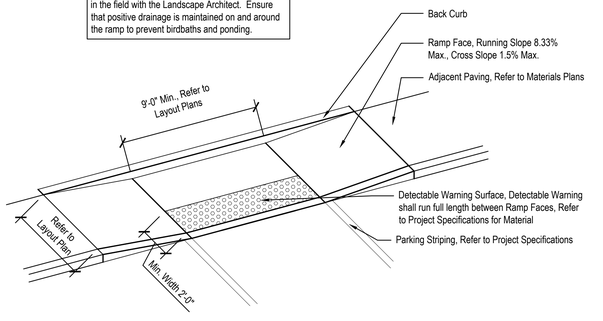


5 METAL HANDRAIL, EMBEDDED
Scale: 3/4" = 1'-0"



4 MASONRY PIER
Scale: 3/4" = 1'-0"

NOTE: The ramp type shown in this detail is a Prototypical Configuration. Minor adjustments may be required to accommodate specific field conditions. Coordinate adjustments and alterations in the field with the Landscape Architect. Ensure that positive drainage is maintained on and around the ramp to prevent birdbaths and ponding.



1 PARALLEL CURB RAMP
Scale: 1/4" = 1'-0"

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
3825 Lowfen Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction. They are not intended to be complete.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the contractor's obligations.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 02/22/2024 Addendum #1

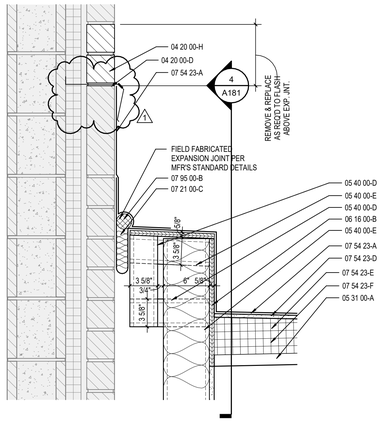
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:
SITE DETAILS

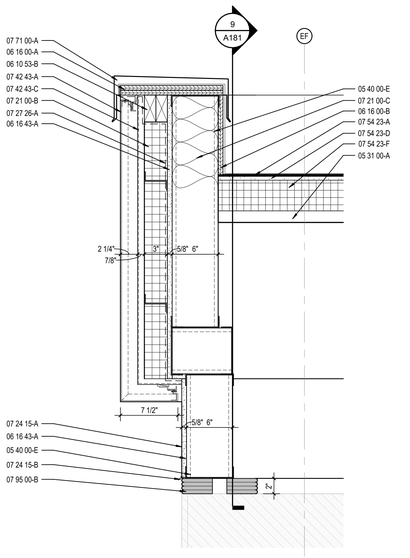
CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2025

DRAWING NUMBER
L602

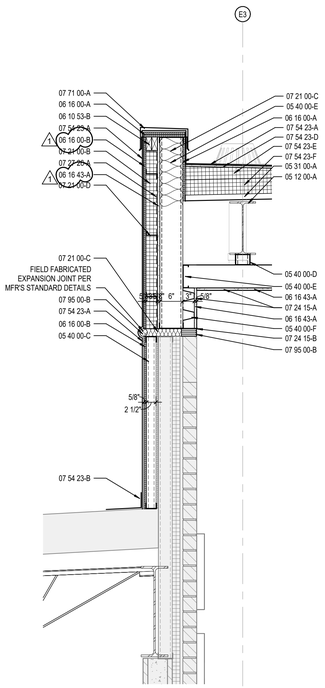
PROJECT NUMBER
2022060



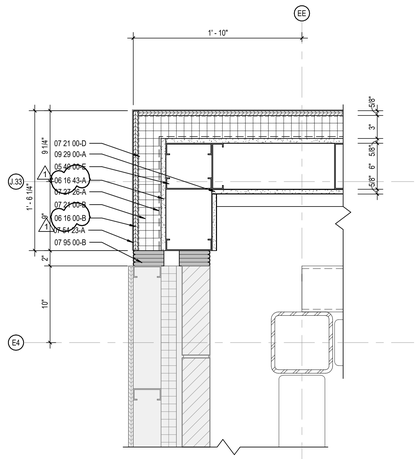
9 A181 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



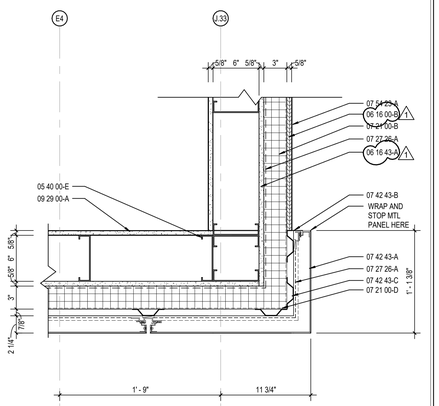
4 A181 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



7 A181 WALL SECTION
SCALE: 3/4" = 1'-0"

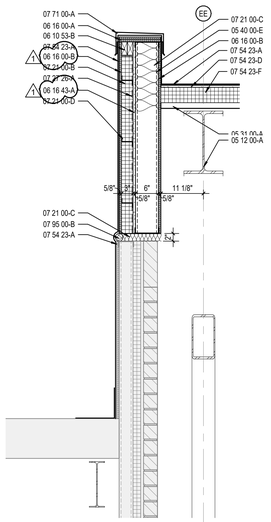


10 A181 ENLARGED ROOF PLAN DETAIL
SCALE: 1 1/2" = 1'-0"
CUT AT +18' - 0"

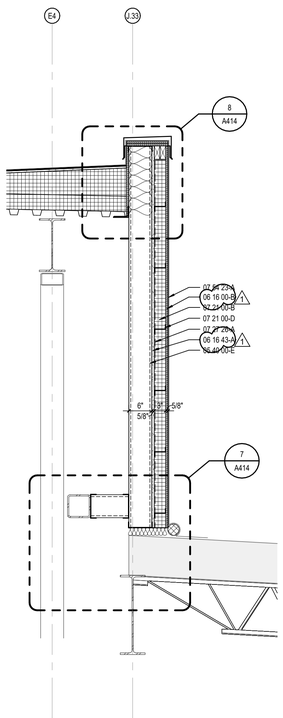


3 A181 ENLARGED ROOF PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

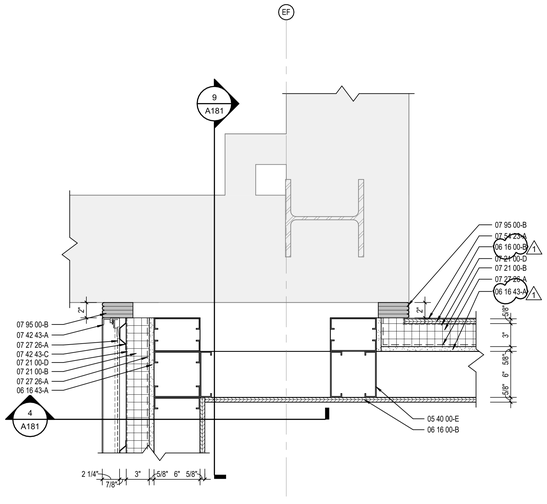
2 A181 ENLARGED ROOF PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



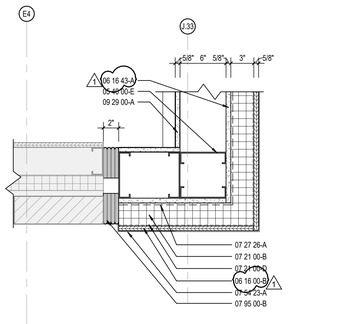
6 A181 WALL SECTION
SCALE: 3/4" = 1'-0"



8 A181 WALL SECTION
SCALE: 3/4" = 1'-0"



5 A181 ENLARGED ROOF PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



1 A181 ENLARGED ROOF PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The Contract Documents are complementary and describe all work required for full performance and completion of the requirements of the Contract.
In addition to the architectural scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

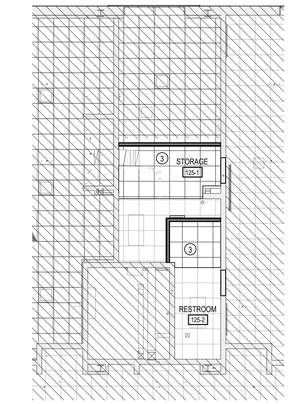
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
ROOF PLAN DETAILS

CERTIFIED BY:
BRENTON C. HAY REGISTERED No. AR11700184 STATE OF INDIANA ARCHITECT

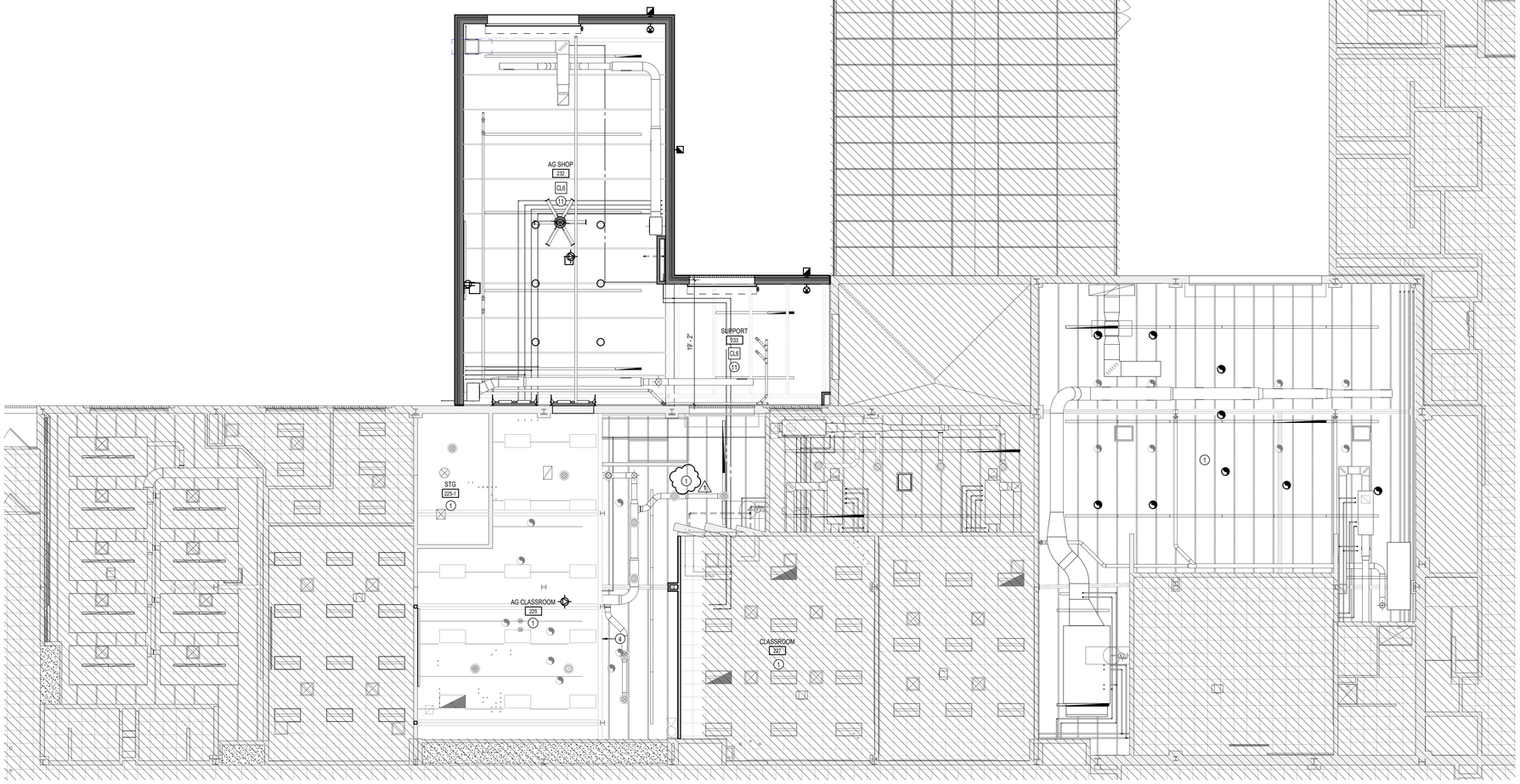
DRAWING NUMBER
A181

PROJECT NUMBER
2023060



LIFE SKILLS FIRST FLOOR
REFLECTED CEILING PLAN

2 / A212 SCALE: 1/8" = 1'-0"



AGRICULTURE ADDITION
FIRST FLOOR REFLECTED CEILING PLAN

1 / A212 SCALE: 1/8" = 1'-0"

NORTH TRUE NORTH PLAN

NO SCOPE OF WORK N.I.C.

GENERAL REFLECTED CEILING PLAN NOTES

A. SEE THE ELECTRICAL DRAWINGS FOR SIZES, TYPES, AND QUANTITIES OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, AND OTHER CEILING MOUNTED ELECTRICAL DEVICES.
B. SEE THE MECHANICAL DRAWINGS FOR SIZES, TYPES, AND QUANTITIES OF DIFFUSERS, GRILLES, AND OTHER MECHANICAL CEILING MOUNTED DEVICES.
C. PROVIDE, FIELD LOCATE AND INSTALL 16"x16" FLUSH ACCESS PANELS AT ALL MECHANICAL AND PLUMBING PIPING VALVE LOCATIONS ABOVE SUSPENDED GYPSUM BOARD CEILINGS. SEE THE MECHANICAL, AND PLUMBING DRAWINGS FOR LOCATIONS.
D. SEE THE STRUCTURAL DRAWINGS FOR MASONRY WALLS USED FOR SHEAR WALLS THAT ARE REQUIRED TO EXTEND TO DECK/STRUCTURE ABOVE. PROVIDE BRACING FOR ALL MASONRY WALLS NOT EXTENDING TO THE DECK/STRUCTURE AS DETAILED ON STRUCTURAL DRAWINGS.
E. METAL STUDS WALLS SHALL BE ATTACHED TO THE STRUCTURE ABOVE WITH SLIP CONNECTORS. STUD WALLS NOT EXTENDING TO THE STRUCTURE/DECK ABOVE SHALL RECEIVE DIAGONAL METAL STUD BRACING AT MAXIMUM 4'-0" O.C.
F. THE SUSPENDED ACOUSTICAL TILE CEILING GRID AS SHOWN ON THESE DRAWINGS IS REPRESENTATIONAL. THE CEILING GRID IS TO BROKEN AS REQUIRED AT LIGHT FIXTURES, PROJECTION SCREENS, ETC.
G. ALL EXISTING GYPSUM OR PLASTER CEILINGS AND BULKHEADS TO REMAIN ARE TO BE PAINTED P– CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE (SEE A800 SERIES DRAWINGS).
H. SEE MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ADDITIONAL CEILING WORK REQUIRED BY NEW MEP WORK.

REFLECTED CEILING LEGEND

- FLUORESCENT LIGHT FIXTURES, RECESSED OR SURFACED MOUNTED; SEE ELECTRICAL DRAWINGS
- DOWNLIGHT/HIGH BAY LIGHT FIXTURE; SEE ELECTRICAL DRAWINGS
- CEILING MOUNTED PROJECTOR, SEE TECHNOLOGY DRAWINGS
- RETURN/EXHAUST GRILL; SEE MECHANICAL DRAWINGS
- SUPPLY AIR GRILL; SEE MECHANICAL DRAWINGS
- LINEAR SLOT SUPPLY AIR GRILL; SEE MECHANICAL DRAWINGS
- CL1 SUSPENDED ACOUSTICAL LAY-IN CEILING
  MFG: ARMSTRONG MODEL #1810
  STYLE: SCHOOL ZONE HIGH CAC, HIGH NRC
  DESCRIPTION: SQUARE EDGE
  COLOR: WHITE SIZE: 24" x 24" x 3/4"
  LOCATION: OFFICES / CLASSROOMS
- CL2 SUSPENDED ACOUSTICAL LAY-IN CEILING
  MFG: ARMSTRONG MODEL #3353
  STYLE: OPTIMA LAY-IN
  DESCRIPTION: SQUARE EDGE
  COLOR: WHITE SIZE: 24" x 24" x 1"
  LOCATION: CORRIDORS
- CL3 SUSPENDED ACOUSTICAL LAY-IN CEILING
  MFG: ARMSTRONG MODEL #1935
  STYLE: ULTIMA HEALTH ZONE
  DESCRIPTION: SQUARE EDGE
  COLOR: WHITE SIZE: 2' x 2' x 3/4"
  LOCATION: RESTROOMS/KITCHENS
- CL4 SUSPENDED GYPSUM WALLBOARD CEILING SYSTEM
  USE 5/8" WALLBOARD
  PAINT: P5 CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE.
- CL5 GYPSUM WALLBOARD BULKHEAD -REFER TO REFLECTED CEILING PLAN NOTES.
- CL6 EXPOSED STRUCTURE - PAINTED SEE FINISH PLANS
- CL7 DAFS SOFFIT
- +0' - 0" CEILING ELEVATION MARK ABOVE FINISHED FLOOR (AT THAT LOCATION IF MULTIPLE FLOOR LEVELS ARE PRESENT)

REFLECTED CEILING PLAN NOTES

1 EXISTING CEILING TO REMAIN
2 REWORK LAY-IN CEILING DUE TO REMOVAL OF WALL. MATCH EXISTING GRID LAYOUT AND CEILING TYPE TO MAKE SEAMLESS TRANSITIONS.
3 NEW CEILING IN THIS AREA TO MATCH EXISTING CEILING TYPE, GRID LAYOUT, AND CEILING HEIGHT.
4 EDGE OF HOLLOW CORE SLAB MEZZANINE ABOVE.
5 BULKHEAD DETAIL SEE 2/A211.
6 BULKHEAD DETAIL SEE 3/A211.
7 BULKHEAD DETAIL SEE 4/A211.
8 BULKHEAD DETAIL SEE 5/A211.
9 REMOVE AND RE-INSTALL AS REQUIRED FOR JOIST REINFORCEMENT FOR NEW ROOF TOP UNIT.
10 2" CEILING TO WALL EXPANSION JOINT. BASIS OF DESIGN: CONSTRUCTION SPECIALTIES - FWFC200
11 EXPOSED STRUCTURE AND DUCT WORK TO BE PAINTED (P7).
12 EXPOSED STRUCTURE AND DUCT WORK TO BE PAINTED (P2).
13 GYPSUM BULKHEAD TO RECEIVE PAINT (P2) ON ALL FACES AND UNDERSIDE.
14 GYPSUM BULKHEAD TO RECEIVE PAINT (P3) ON ALL FACES AND UNDERSIDE.
15 CMU WALL TO RECEIVE PAINT (EP4) ON ALL FACES AND UNDERSIDE.

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the satisfactory execution and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 02-22-2024

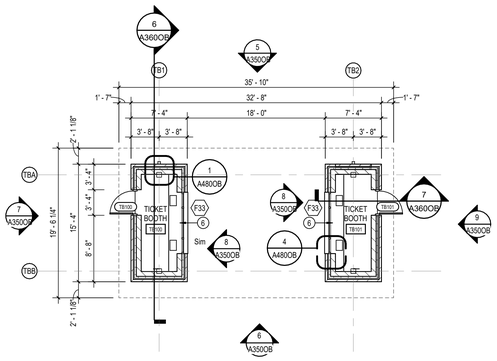
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
AGRICULTURE FIRST FLOOR REFLECTED CEILING PLAN

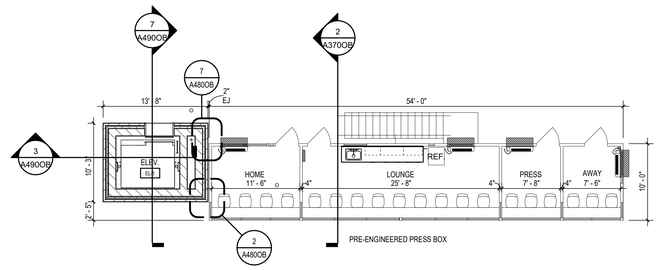
CERTIFIED BY:
BRENTON C. HITE REGISTERED No. AR11700184 STATE OF INDIANA ARCHITECT

DRAWING NUMBER
A212

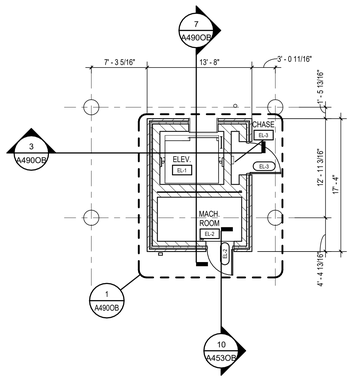
PROJECT NUMBER
2023060



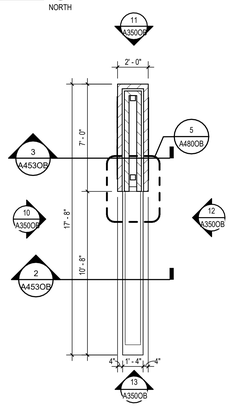
2 A251OB **TICKET BOOTH FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"



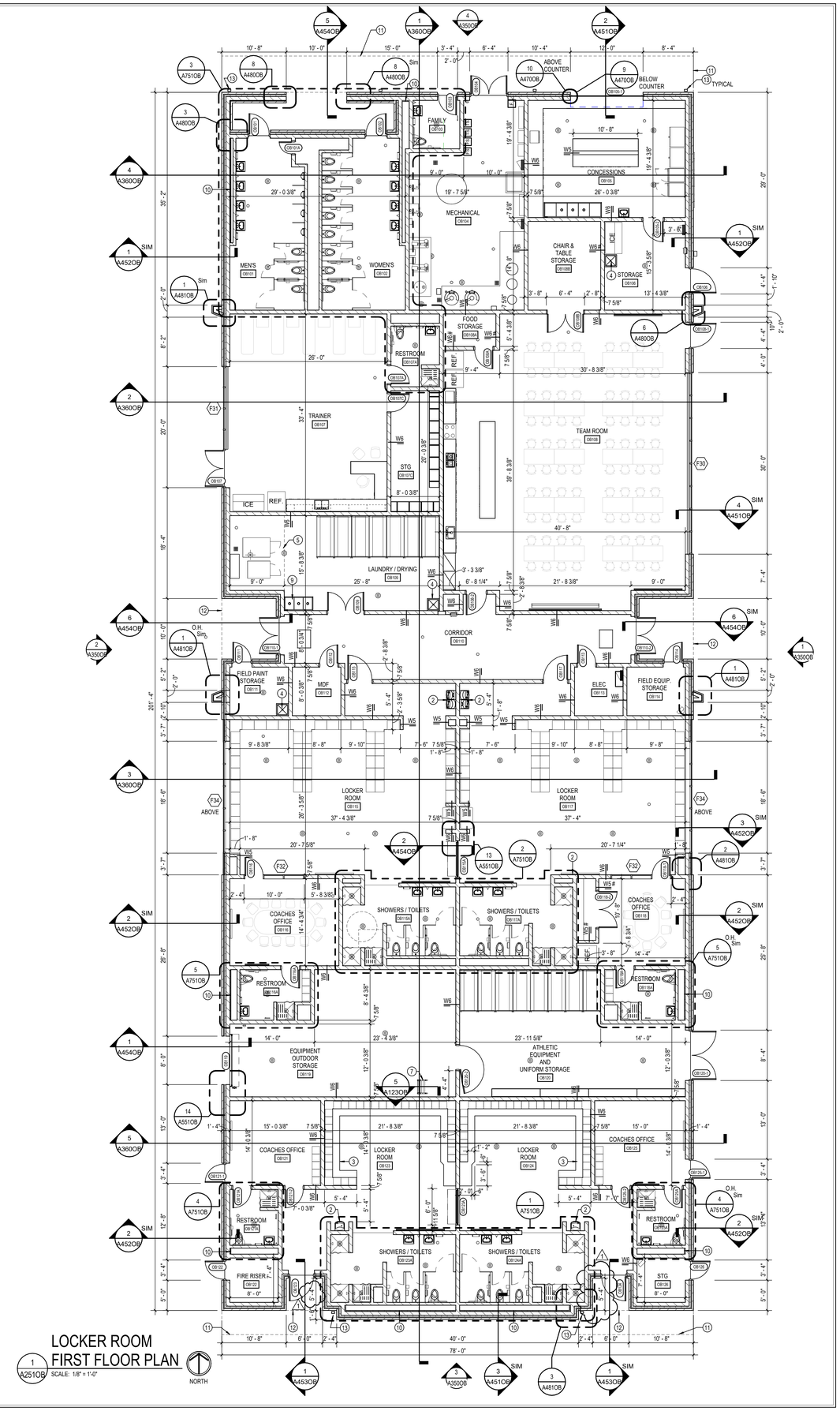
4 A251OB **PRESS BOX FLOOR PLAN**
SCALE: 1/8" = 1'-0"



3 A251OB **ELEVATOR SHAFT FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"



5 A251OB **MONUMENT SIGN FIRST FLOOR PLAN**
SCALE: 1/4" = 1'-0"



1 A251OB **LOCKER ROOM FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
B. ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITIONS.
C. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
D. ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE, FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
E. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
F. REFER TO WALL TYPE SCHEDULE, SHEET A200, TO DETERMINE WHICH WALLS EXTEND TO DECK. SEE STRUCTURAL FOR TOP SUPPORT DETAIL. WHERE METAL STUDS EXTEND TO DECK, PROVIDE SLIP CONNECTIONS FOR ROOF/ FLOOR DEFLECTION.
G. ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER LIMIT HEIGHT (L/240).
H. WHERE INSULATED OR SOUND WALLS EXTEND TO DECK, FILL DECK FLUTES WITH INSULATION/ SOUND ATTENUATION.
I. REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
J. WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
K. ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND U.N.O. CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
L. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS TO ALLOW FOR DEFLECTION.
M. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM (R-15 MIN.) HORIZONTAL.
N. PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
O. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A500 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
P. ALL DOOR FRAMES SHALL BE LOCATED 4” OFF FINISH WALLS OR 4" OFF MASONRY WALLS UNLESS NOTED OTHERWISE.
Q. ALL GLASS AT INTERIOR DOOR FRAMES, DOOR LITES AND WINDOW FRAMES IS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
R. AT BUILDING EXPANSION JOINTS, ALL PARTITIONS, CEILINGS, FLOORS AND ALL WALL, FLOOR OR CEILNG MOUNTED ITEMS SHALL BE ANCHORED TO THE BUILDING STRUCTURE ON ONLY ONE SIDE OF THE EXPANSIONS JOINTS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OR INSTALLATION OF ALL ITEMS NOTED TO ASSURE THAT NO SUCH ITEMS BRIDGE ACCROSS THE EXPANSION JOINT.
S. ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
T. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAILS.
U. REFER TO MECHANICAL DRAWINGS FOR WALL LOUVER LOCATIONS, SIZES AND QUANTITIES.
V. SEE A800 SERIES DRAWINGS FOR FINISH SCHEDULE AND PLANS.
W. SEE A900 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
X. PROVIDE FIRE RESISTANT TREATED WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
Y. WHERE DISIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
Z. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD) UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.
AA. APPLY SEALANT AT ALL COUNTERTOPS AND BLACKSPLASHES AT JUNCTURE WITH WALL.
AB. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT.
AC. BASE FLOOR ELEVATION INDICATED FOR THIS PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

OUTBUILDING PLAN NOTES

1 ALIGN FINISH FACES AS INDICATED
2 WATER COOLER WITH BOTTLE FILLER. SEE PLUMBING DRAWINGS.
3 ELEVATED CAST IN PLACE CONCRETE LOCKER BENCH
4 MOP SINK. SEE PLUMBING DRAWINGS
5 ISOLATED THICKENED SLAB UNDER WASHER AND DRYER.
6 SLIDING ALUMINUM TRANSACTION WINDOW
7 PRE-MANUFACTURED ALUMINUM SHIPS LADDER. SEE DETAILS.
8 FIRE EXTINGUISHER CABINET / WALL BRACKET. SEE EQUIPMENT PLANS.
9 THREE COMPARTMENT SINK. SEE PLUMBING DRAWINGS.
10 AT LOCATIONS WHERE PLUMBING CHASES ARE ALONG EXTERIOR WALLS, PROVIDE AN ADDITIONAL 2" OF RIGID INSULATION ON THE INTERIOR SIDE OF THE CMU UP TO DECK. SEE MEP FOR GRILLES IN CHASE WALL FOR VENTILATION.
11 LINE OF CANOPY ABOVE.
12 LINE OF BRICK ABOVE.
13 SEE BUILDING ELEVATIONS FOR DOWNSPOUTS FOR CANOPY - TERMINATE UNDERGROUND INTO BOOTS - SEE CIVIL DRAWINGS
14 -
15 -
16 -
17 -
18 -

Hamilton Heights
School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 XX-XX-XX

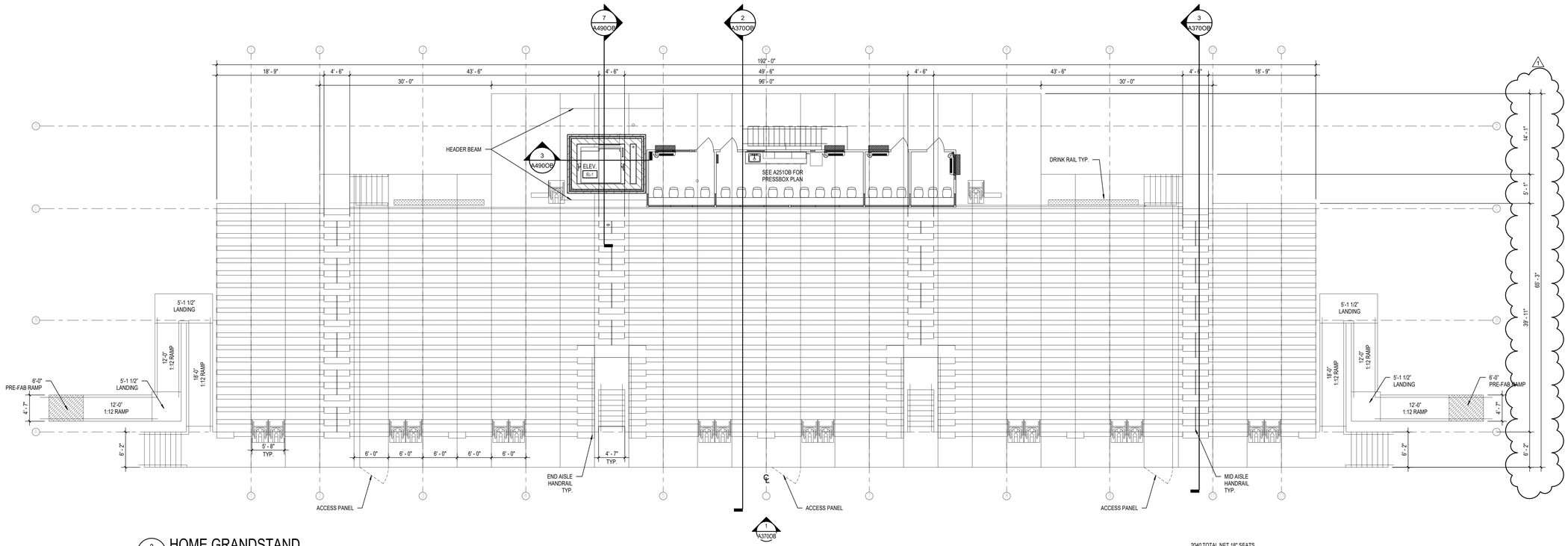
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
OUTBUILDINGS
FIRST FLOOR
PLANS

CERTIFIED BY:
BRENTON C. HITE
No. AR11700184

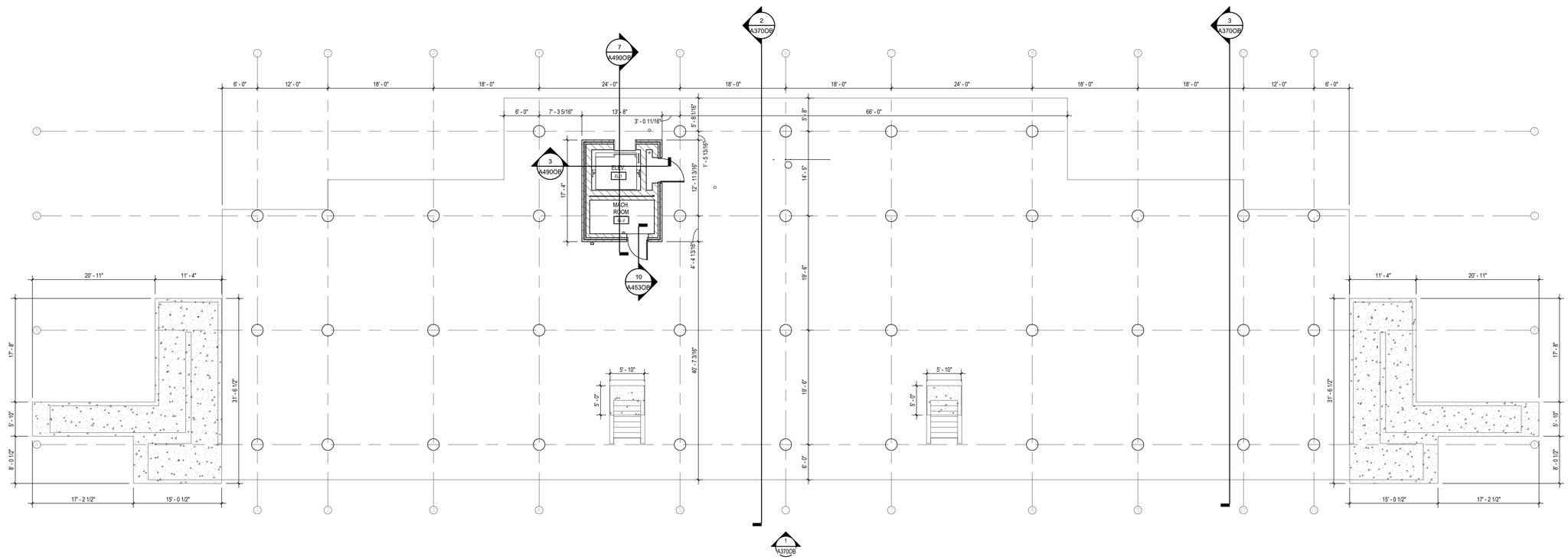
DRAWING NUMBER
A251OB

PROJECT NUMBER
2023060



2 A271OB HOME GRANDSTAND
SCALE: 1/8" = 1'-0"

2040 TOTAL NET 18" SEATS
18 TOTAL NET 33" WHEELCHAIR SPACES
2058 TOTAL SEATING CAPACITY



1 A271OB HOME GRANDSTAND FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction materials proposed for the project.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction work for the project.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	XX-XX-XX

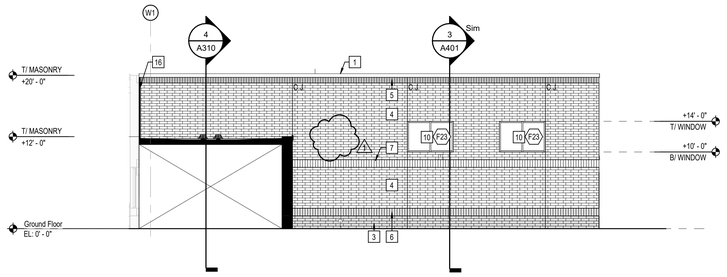
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
HOME GRANDSTAND PLANS

CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

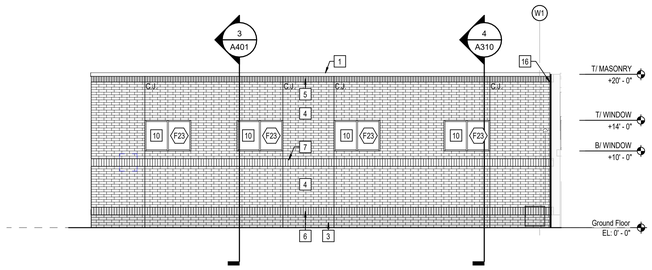
DRAWING NUMBER
A271OB

PROJECT NUMBER
2023060



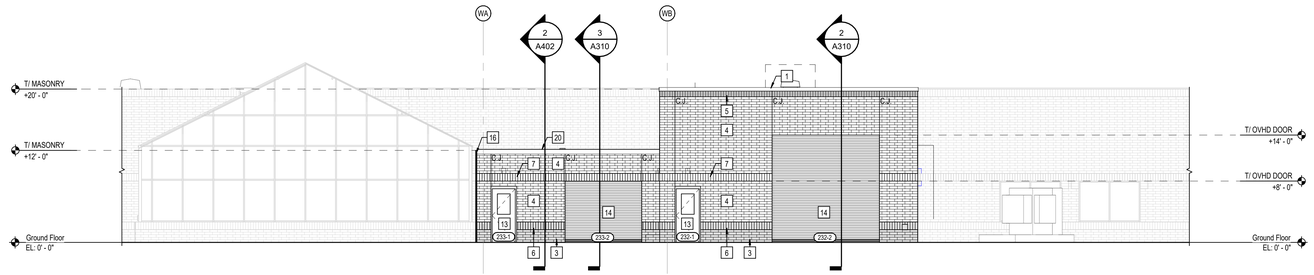
AGRICULTURE ADDITION
NORTH ELEVATION

4 A301 SCALE: 1/8" = 1'-0"



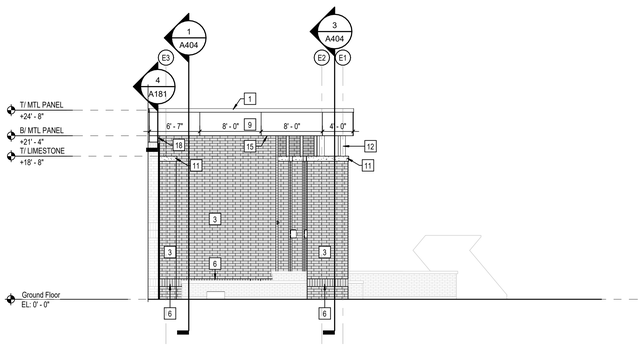
AGRICULTURE ADDITION
SOUTH ELEVATION

5 A301 SCALE: 1/8" = 1'-0"



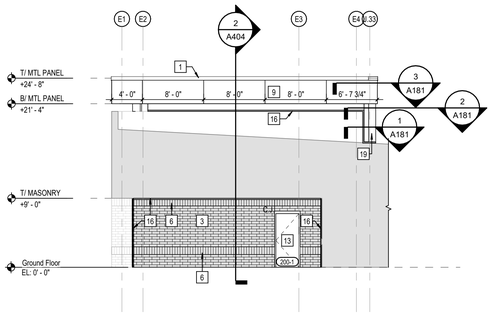
AGRICULTURE ADDITION
WEST ELEVATION

3 A301 SCALE: 1/8" = 1'-0"



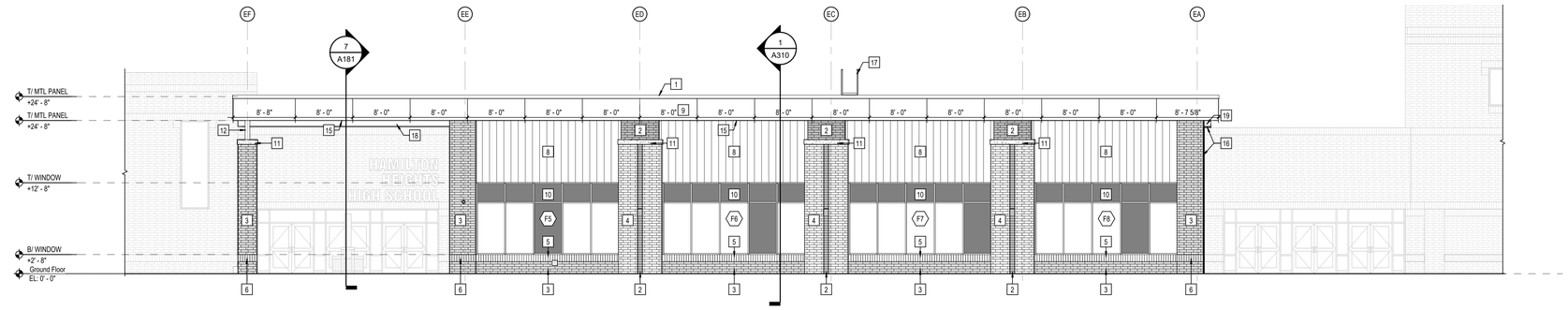
ADMINISTRATION ADDITION
SOUTH ELEVATION (ALTERNATE)

2 A301 SCALE: 1/8" = 1'-0"



ADMINISTRATION ADDITION
NORTH ELEVATION (ALTERNATE)

6 A301 SCALE: 1/8" = 1'-0"



ADMINISTRATION ADDITION
EAST ELEVATION (ALTERNATE)

1 A301 SCALE: 1/8" = 1'-0"

ELEVATION NOTES

1 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM COPING SYSTEM. (07 71 00)
2 BRICK VENEER TYPE 1, COLOR 1 - UTILITY 1/3 RUNNING BOND. (04 20 00)
3 BRICK VENEER TYPE 2, COLOR 2 - UTILITY 1/3 RUNNING BOND. (04 20 00)
4 BRICK VENEER TYPE 3, COLOR 3 - UTILITY 1/3 RUNNING BOND. (04 20 00)
5 BRICK VENEER TYPE 1, COLOR 1 - UTILITY SOLDIER COURSE. (04 20 00)
6 BRICK VENEER TYPE 2, COLOR 2 - UTILITY SOLDIER COURSE. (04 20 00)
7 BRICK VENEER TYPE 3, COLOR 3 - UTILITY SOLDIER COURSE. (04 20 00)
8 CONCEALED FASTENER FORMED METAL WALL PANEL - VERTICAL. (07 42 13)
9 ALUMINUM COMPOSITE METAL PANEL SYSTEM. (07 42 43)
10 2" x 4 1/2" ALUMINUM STOREFRONT ASSEMBLY WITH 1" INSULATING GLAZING. (08 41 13)
11 DIMENSIONED LIMESTONE. (04 20 00)
12 PAINTED TUBE STEEL. (05 50 00)
13 HOLLOW METAL DOOR AND FRAME - SEE SCHEDULE. (08 11 13)
14 OVERHEAD COILING DOOR - SEE SCHEDULE. (08 33 23)
15 DAFS SOFFIT. (07 24 15)
16 2" PRE-COMPRESSED SILICONE FACED EXPANSION JOINT. (07 95 00)
17 ROOF ACCESS LADDER BEYOND. (07 72 00)
18 DAFS WALL ABOVE EXISTING PARAPET UP TO SOFFIT. (07 24 15)
19 ROOF MEMBRANE RAN VERTICALLY UP FACE OF WALL. SEE DETAILS. (07 54 23)
20 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM DRIP EDGE. (07 71 00)

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the satisfactory and complete execution of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 02-22-2024

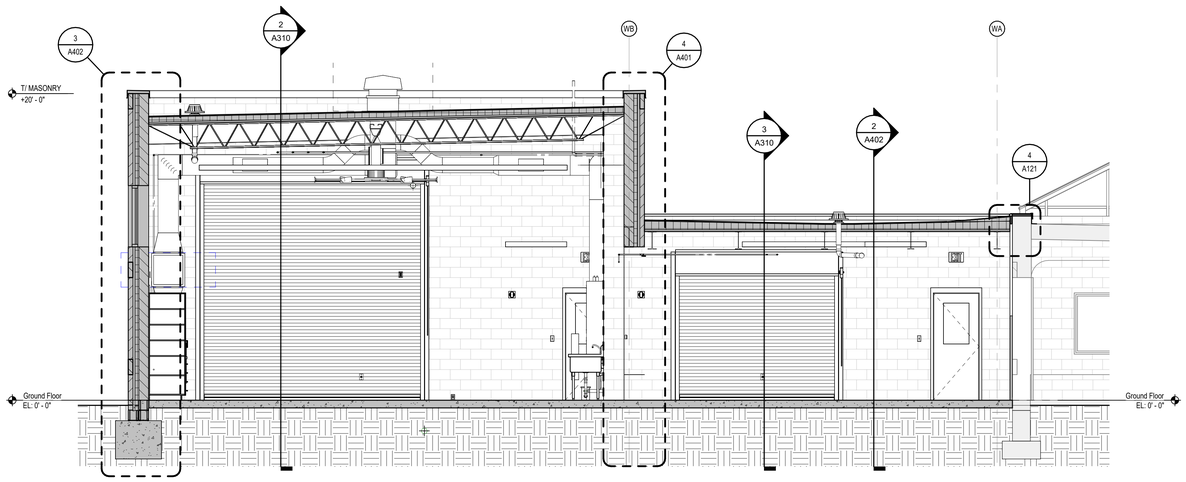
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
EXTERIOR ELEVATIONS

CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

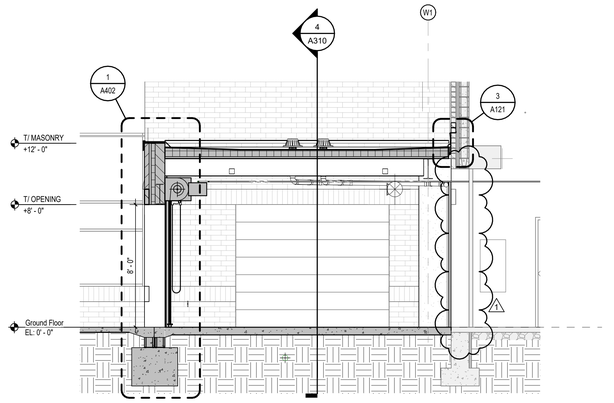
DRAWING NUMBER
A301

PROJECT NUMBER
2023060



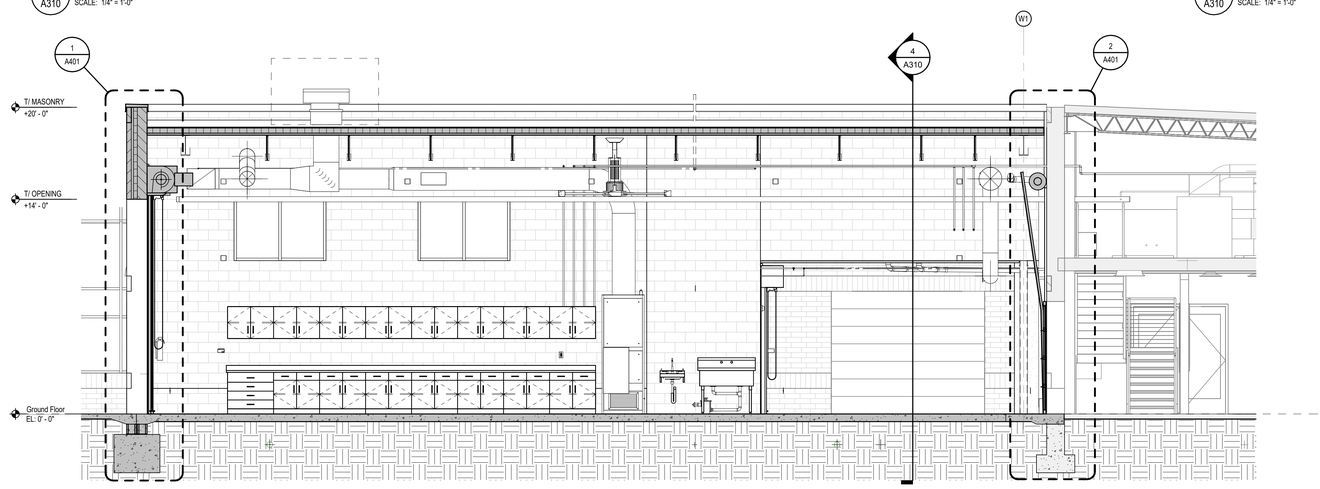
AGRICULTURE ADDITION
BUILDING ADDITION

4 A310 SCALE: 1/4" = 1'-0"



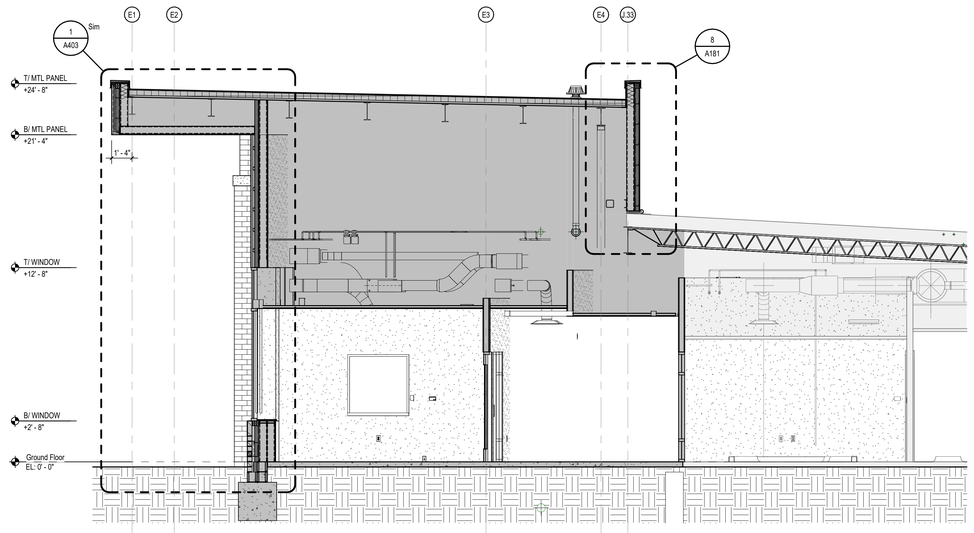
AGRICULTURE ADDITION
BUILDING SECTION

3 A310 SCALE: 1/4" = 1'-0"



AGRICULTURE ADDITION
BUILDING SECTION

2 A310 SCALE: 1/4" = 1'-0"



ADMINISTRATION ADDITION
BUILDING SECTION (ALTERNATE)

1 A310 SCALE: 1/4" = 1'-0"

Hamilton Heights
School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the basic materials selected and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
Unless the Contract Documents exempt scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
BUILDING SECTIONS

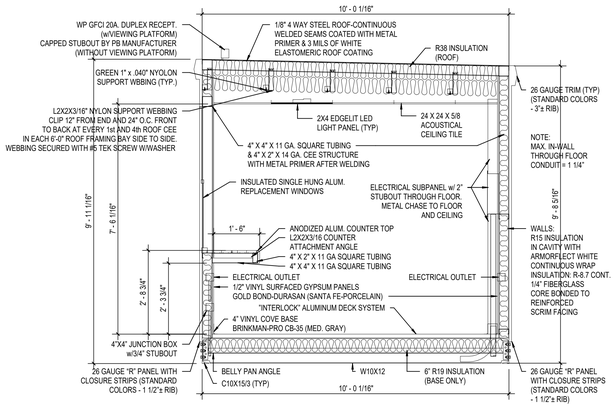
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A310

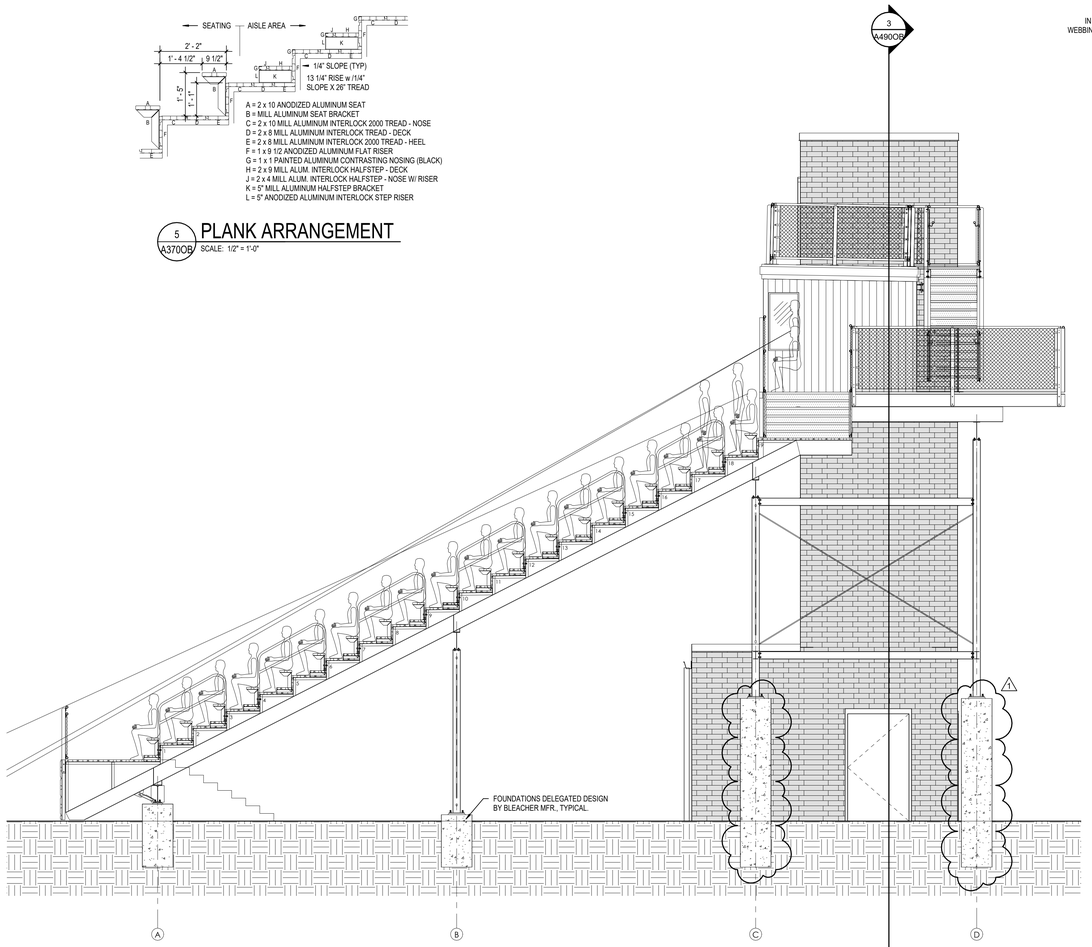
PROJECT NUMBER
2023060

A = 2 x 10 ANODIZED ALUMINUM SEAT
B = MILL ALUMINUM SEAT BRACKET
C = 2 x 10 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE
D = 2 x 8 MILL ALUMINUM INTERLOCK TREAD - DECK
E = 2 x 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL
F = 1 x 9 1/2 ANODIZED ALUMINUM FLAT RISER
G = 1 x 1 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)
H = 2 x 9 MILL ALUM. INTERLOCK HALFSTEP - DECK
J = 2 x 4 MILL ALUM. INTERLOCK HALFSTEP - NOSE W/ RISER
K = 5" MILL ALUMINUM HALFSTEP BRACKET
L = 5" ANODIZED ALUMINUM INTERLOCK STEP RISER

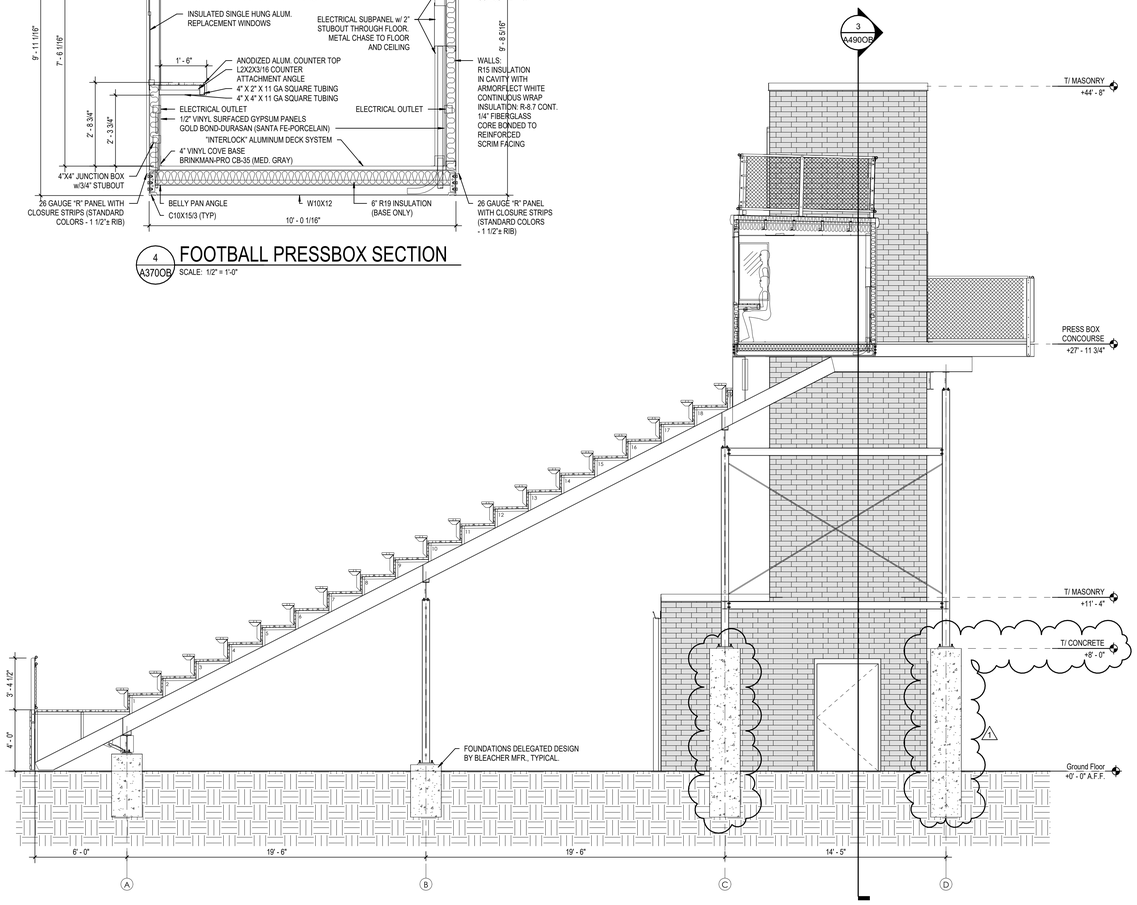
5 A370OB **PLANK ARRANGEMENT**
SCALE: 1/2" = 1'-0"



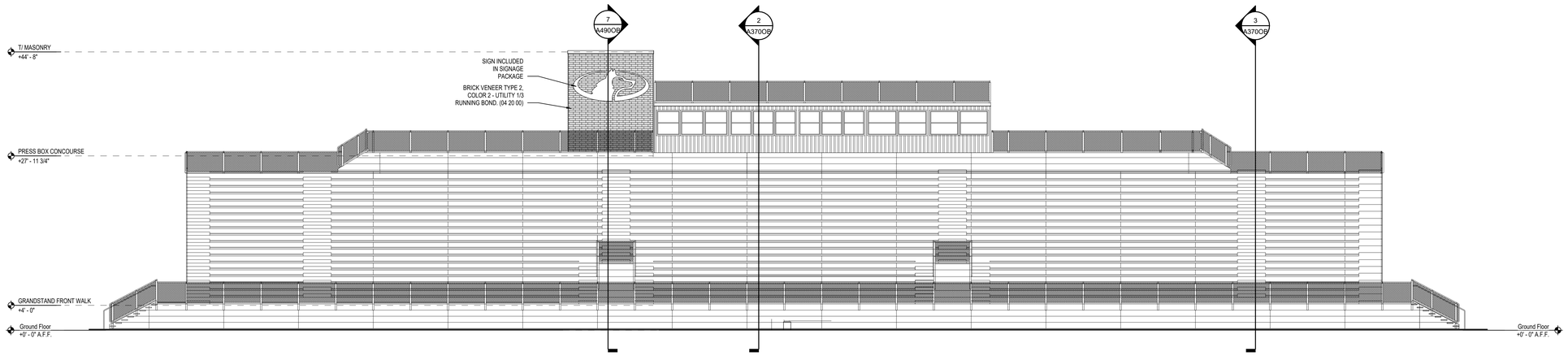
4 A370OB **FOOTBALL PRESSBOX SECTION**
SCALE: 1/2" = 1'-0"



3 A370OB **GRANDSTAND SECTION**
SCALE: 1/4" = 1'-0"



2 A370OB **GRANDSTAND SECTION**
SCALE: 1/4" = 1'-0"



1 A370OB **HOME GRANDSTAND ELEVATION**
SCALE: 1/8" = 1'-0"

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials to be employed.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the Contractor shall provide all labor and materials required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	XX-XX-XX

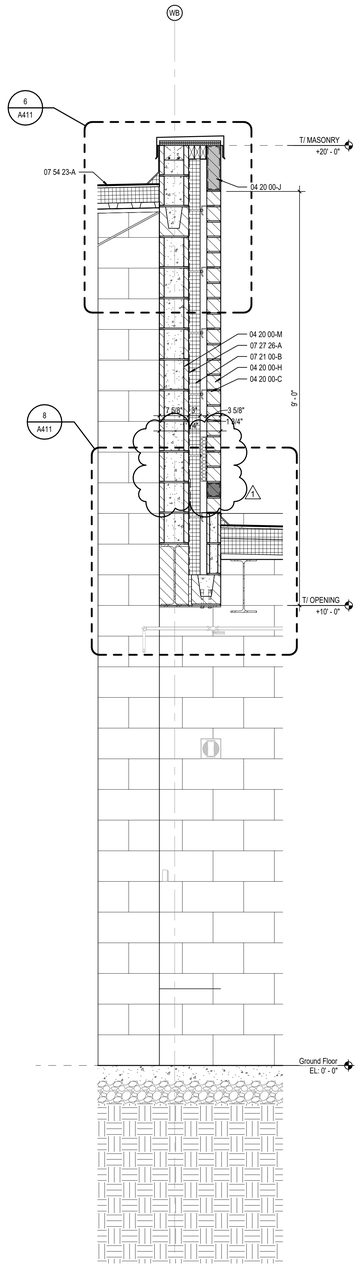
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
HOME GRANDSTAND ELEVATION, SECTIONS, & DETAILS

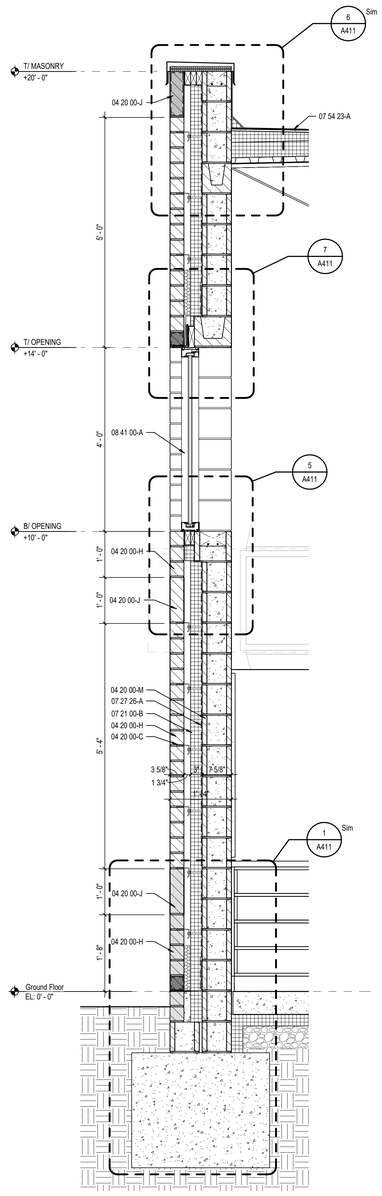
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A370OB

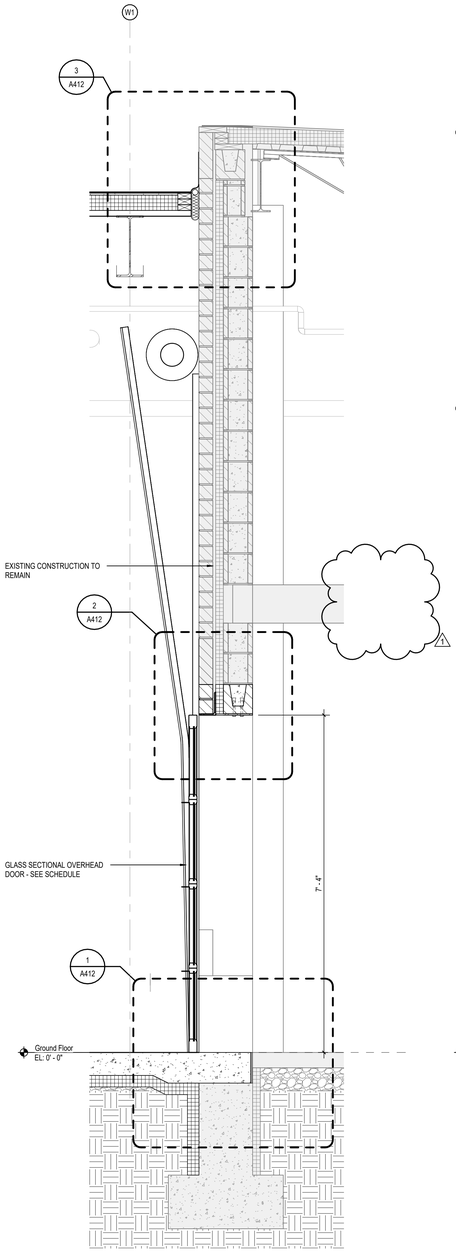
PROJECT NUMBER
2023060



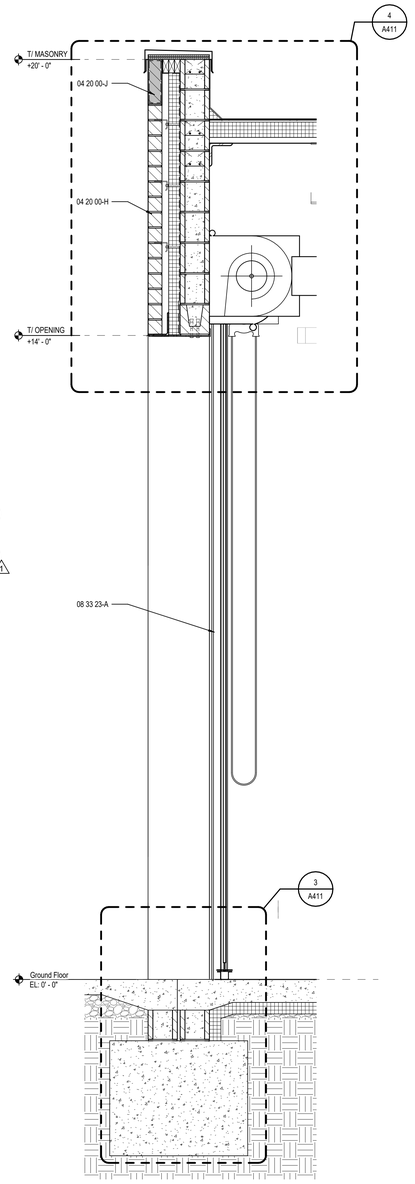
4 A401 WALL SECTION
SCALE: 3/4" = 1'-0"



3 A401 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A401 WALL SECTION
SCALE: 3/4" = 1'-0"



1 A401 WALL SECTION
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights
School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. In addition, they establish the quality standards for the materials of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction of the project.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

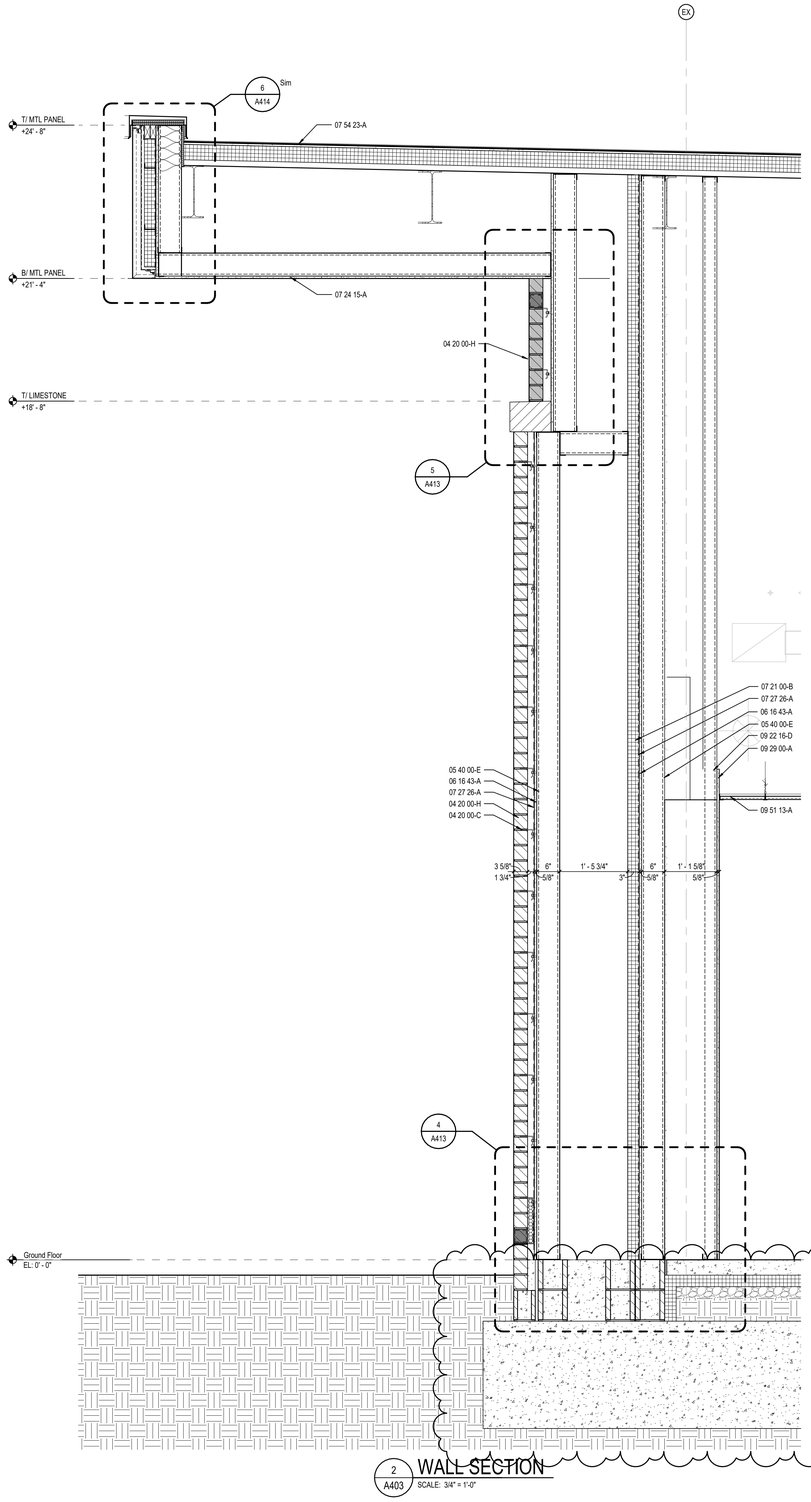
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
WALL SECTIONS

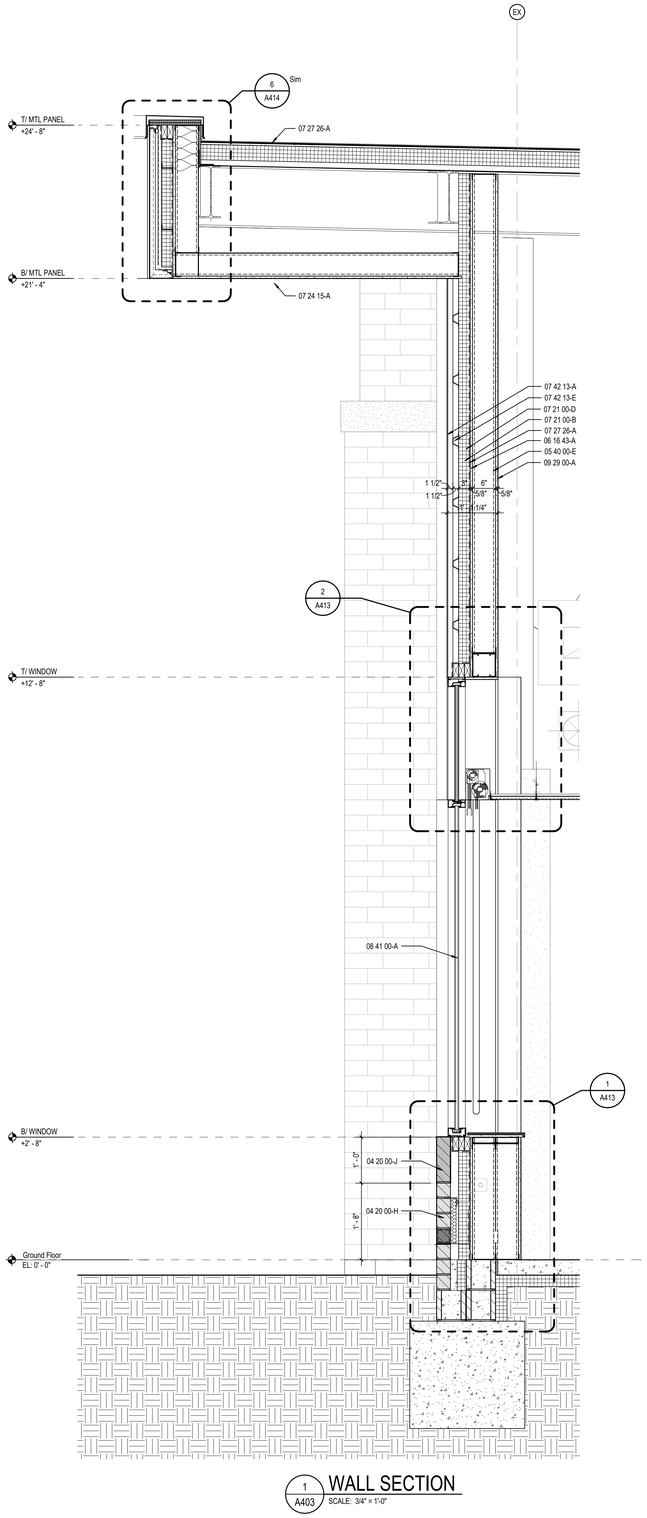
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A401

PROJECT NUMBER
2023060



2 A403 WALL SECTION
SCALE: 3/4" = 1'-0"



1 A403 WALL SECTION
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

These drawings indicate the general scope of the project. Information contained in these drawings is sufficient to describe the building, the major architectural elements and the type of structural, mechanical and electrical systems.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction contract.

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

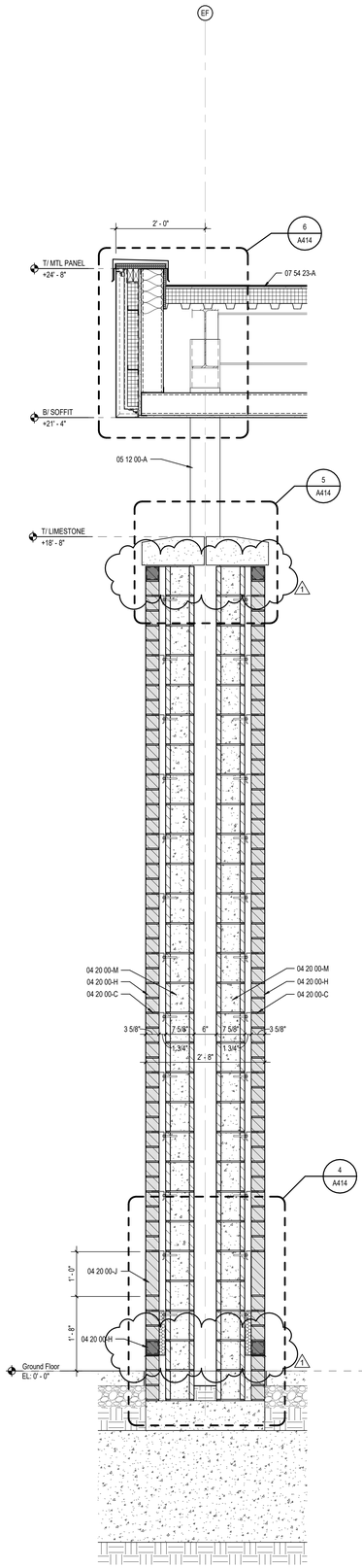
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
WALL SECTIONS
ADMINISTRATION
(ALTERNATE)

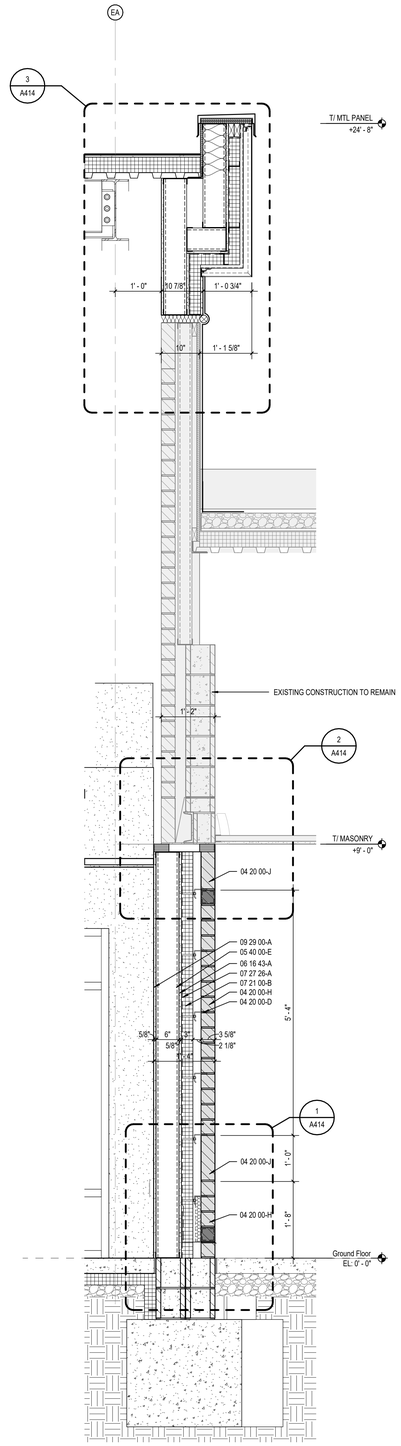
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A403

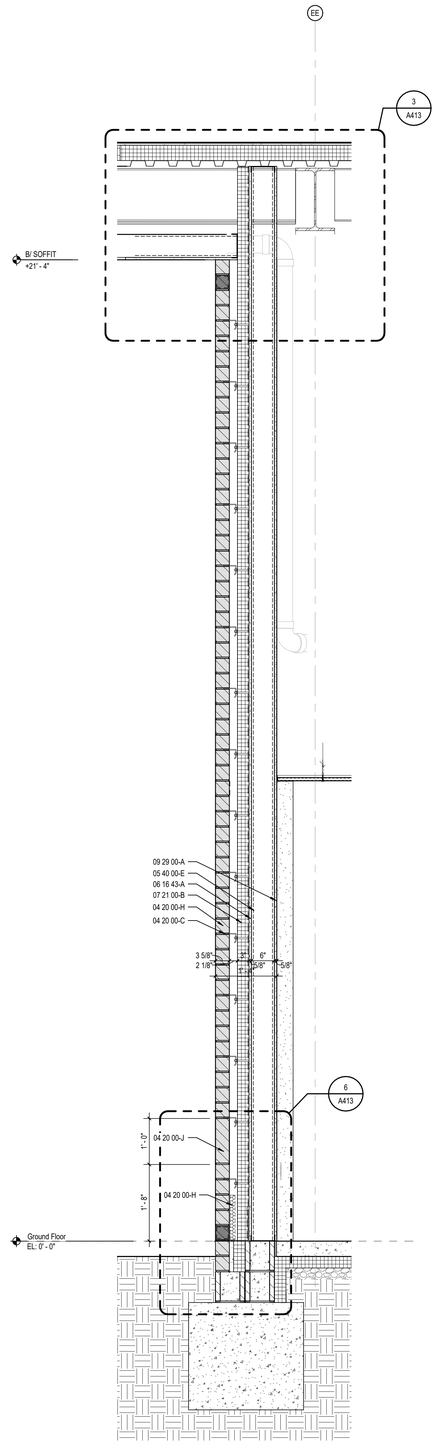
PROJECT NUMBER
2023060



3 A404 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A404 WALL SECTION
SCALE: 3/4" = 1'-0"



1 A404 WALL SECTION
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the basic construction materials and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 02-22-2024

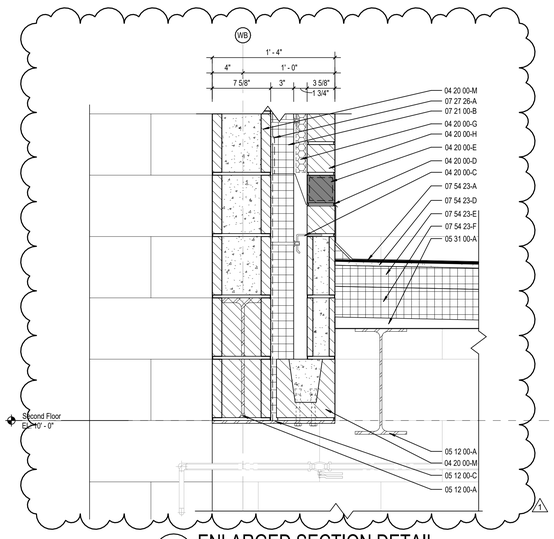
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
WALL SECTIONS
ADMINISTRATION
(ALTERNATE)

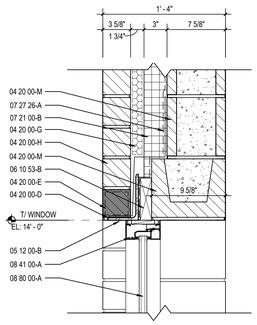
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A404

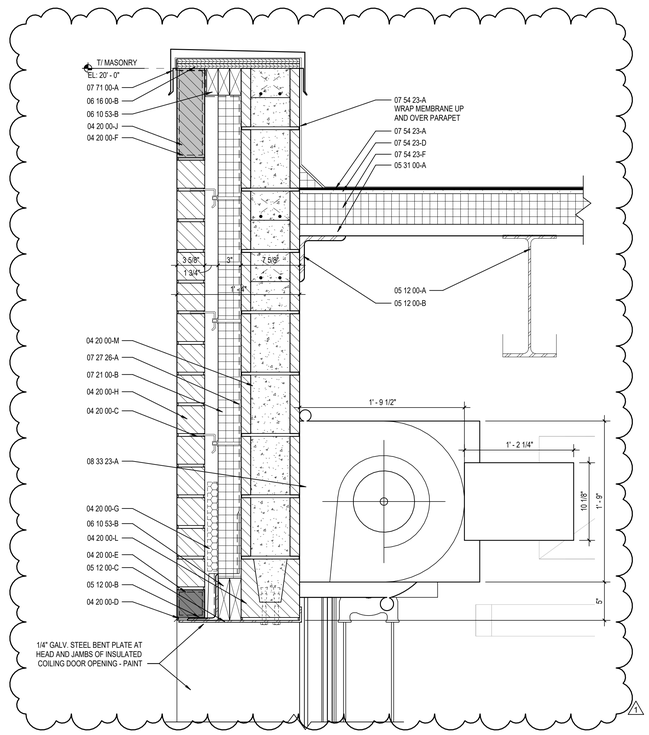
PROJECT NUMBER
2023060



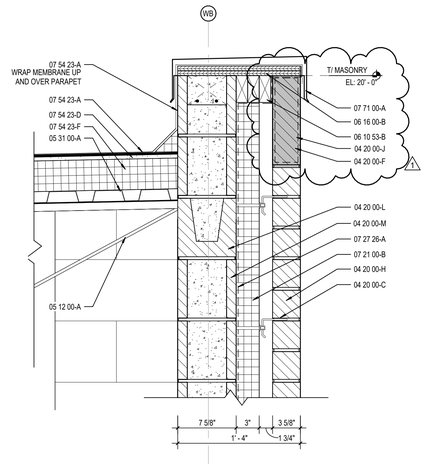
8 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



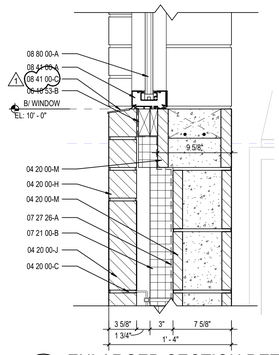
7 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



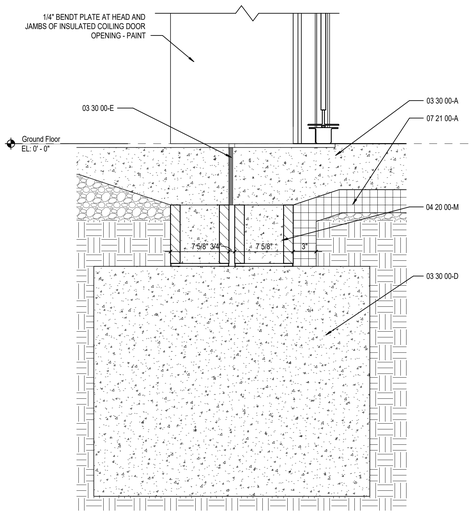
4 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



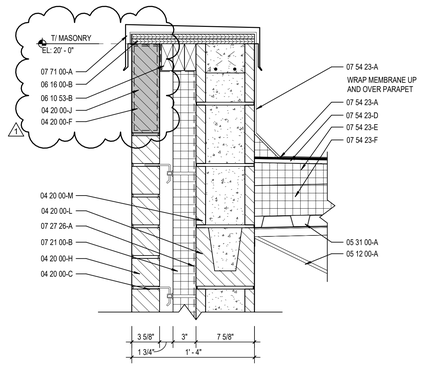
6 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



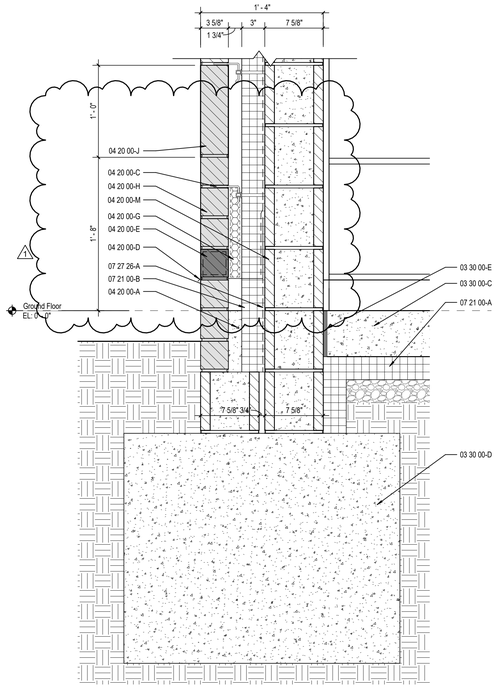
5 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



3 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 A411 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction required for the building shell.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction required.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

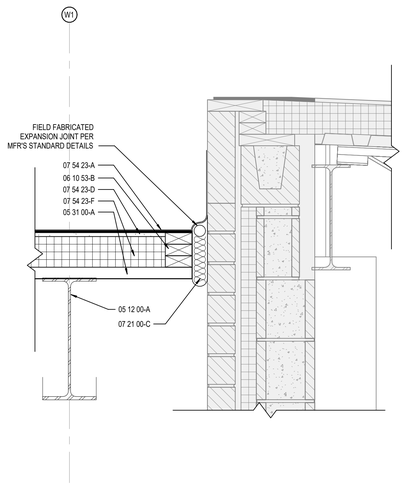
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
SECTION DETAILS

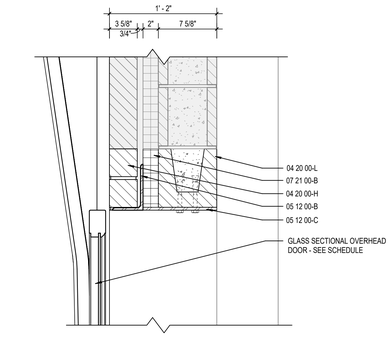
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A411

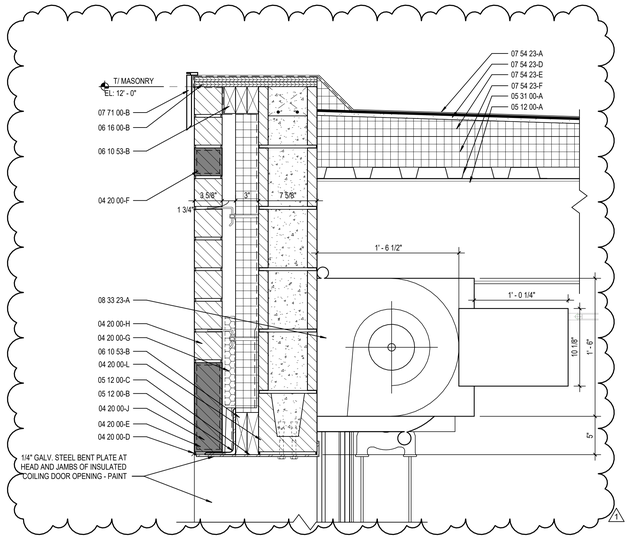
PROJECT NUMBER
2023060



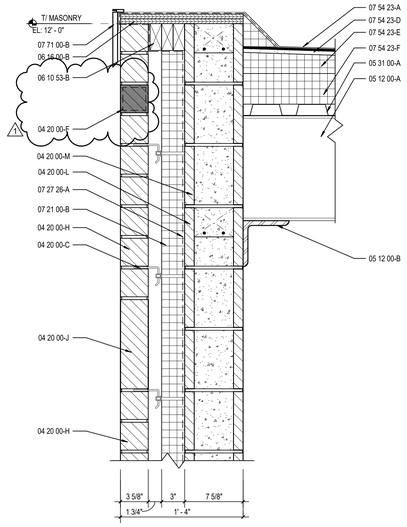
3 / A412 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



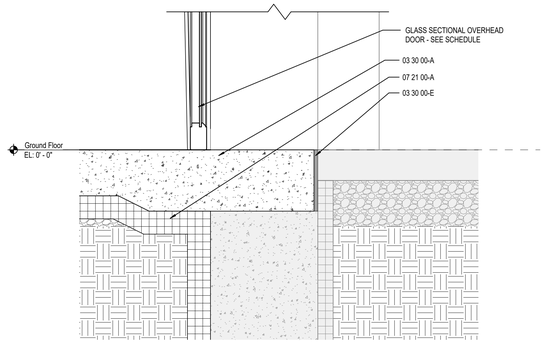
2 / A412 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



7 / A412 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



5 / A412 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 / A412 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. Included are the architectural plans, elevations and sections of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction of the project.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

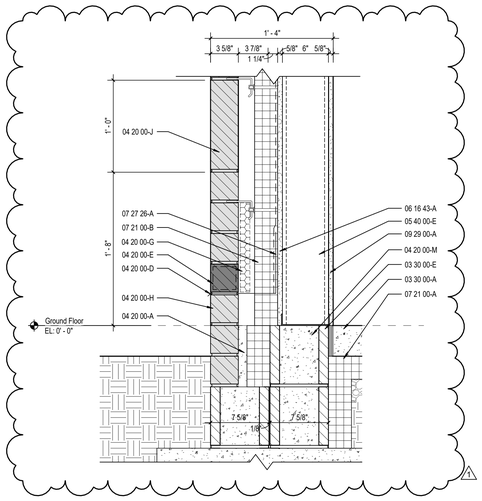
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
SECTION DETAILS

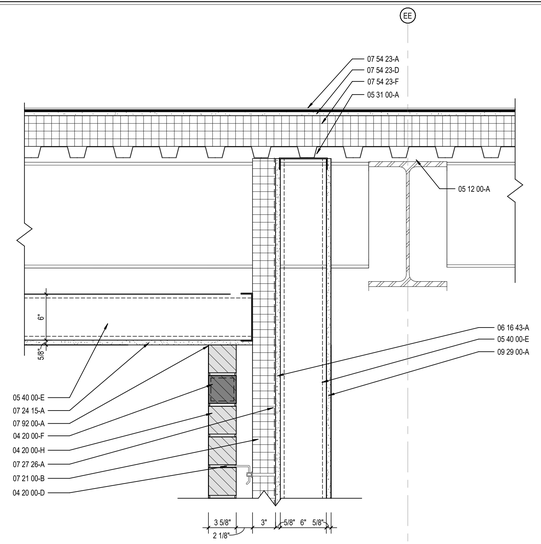
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A412

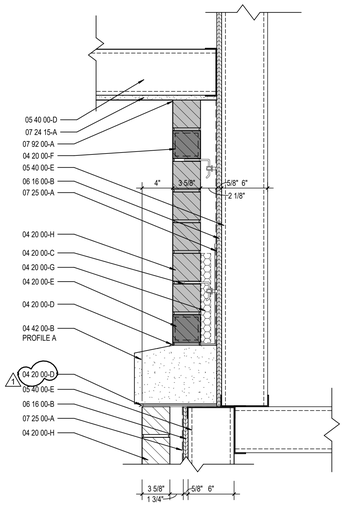
PROJECT NUMBER
2023060



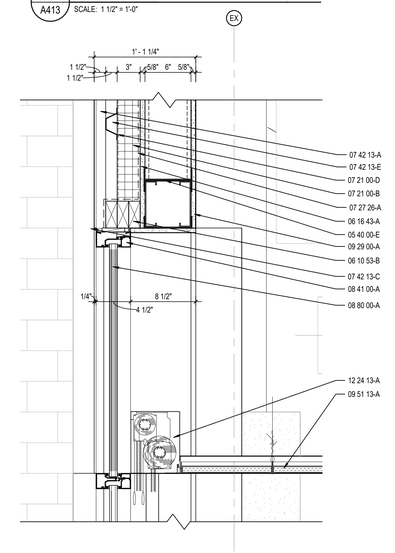
6 A413 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



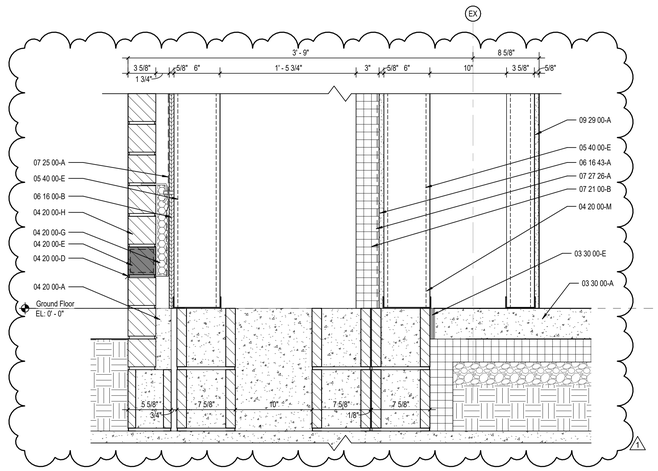
3 A413 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



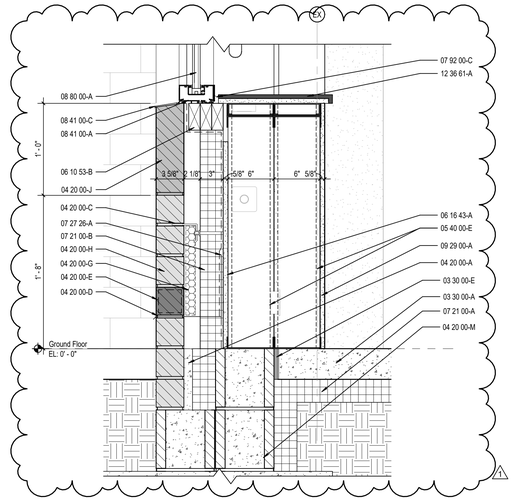
5 A413 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 A413 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



4 A413 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 A413 ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for the satisfactory execution and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 02-22-2024

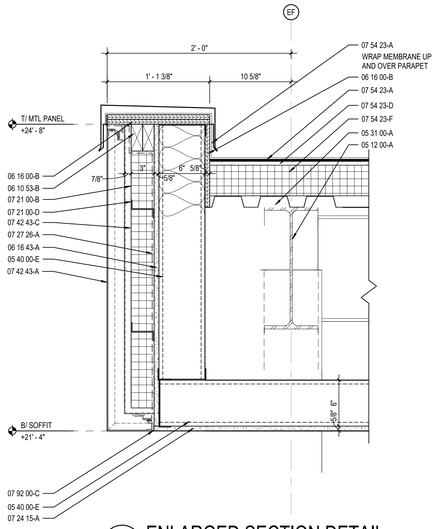
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
SECTION DETAILS ADMINISTRATION (ALTERNATE)

CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

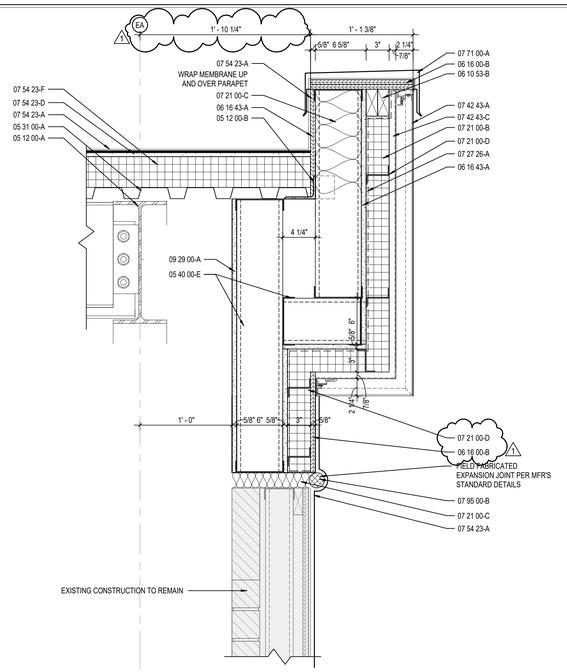
DRAWING NUMBER
A413

PROJECT NUMBER
2023060



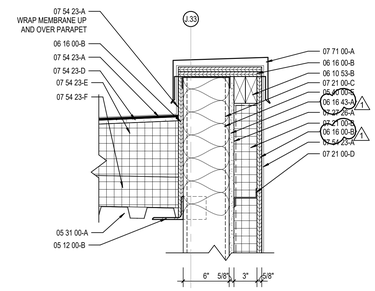
6 A414 ENLARGED SECTION DETAIL

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



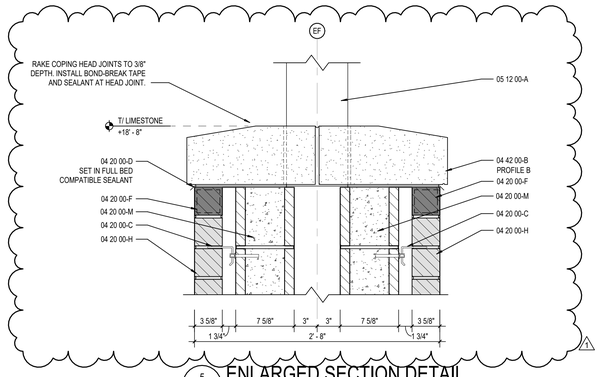
3 A414 ENLARGED SECTION DETAIL

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



8 A414 ENLARGED SECTION DETAIL

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

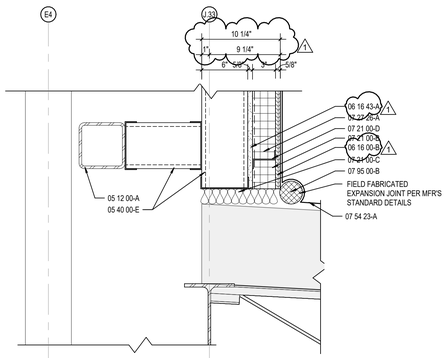


5 A414 ENLARGED SECTION DETAIL

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

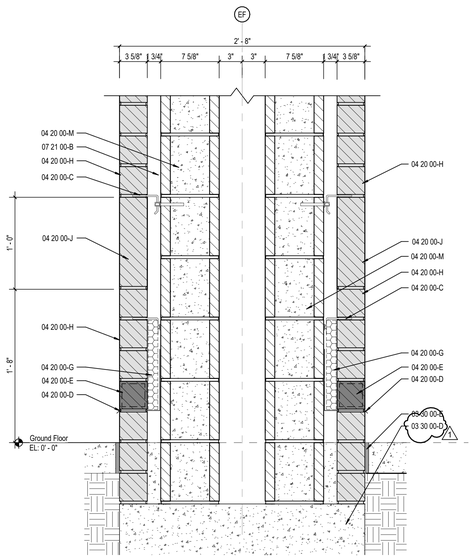
2 A414 ENLARGED SECTION DETAIL

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



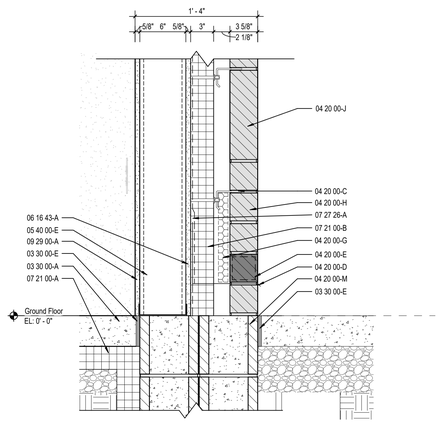
7 A414 ENLARGED SECTION DETAIL

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



4 A414 ENLARGED SECTION DETAIL

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



1 A414 ENLARGED SECTION DETAIL

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

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the general requirements of the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the satisfactory and complete execution and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

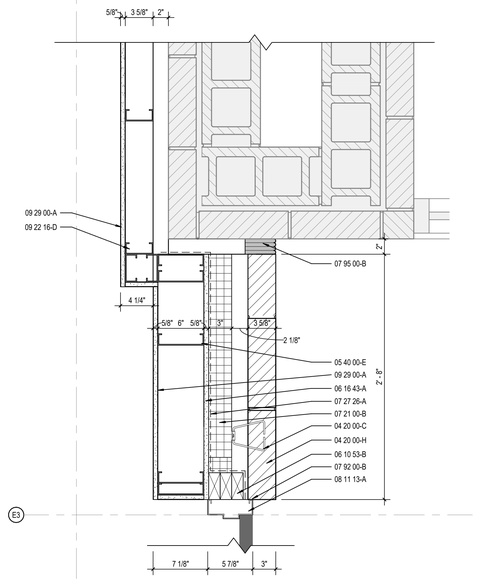
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
SECTION DETAILS ADMINISTRATION (ALTERNATE)

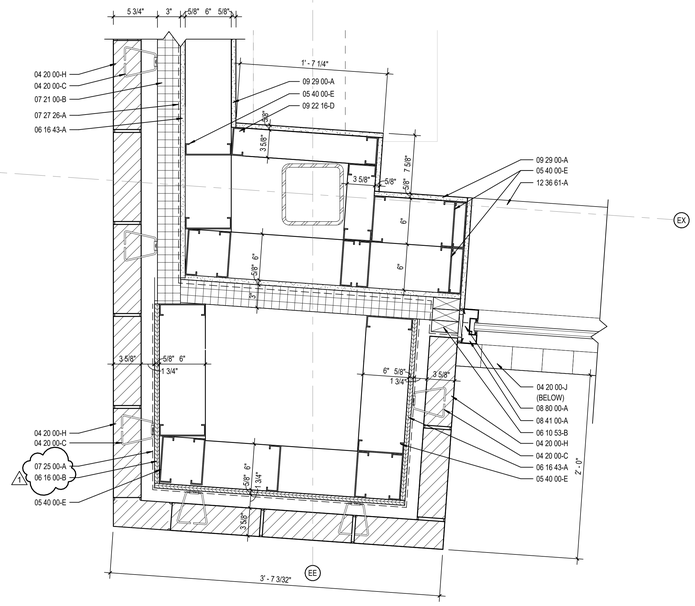
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A414

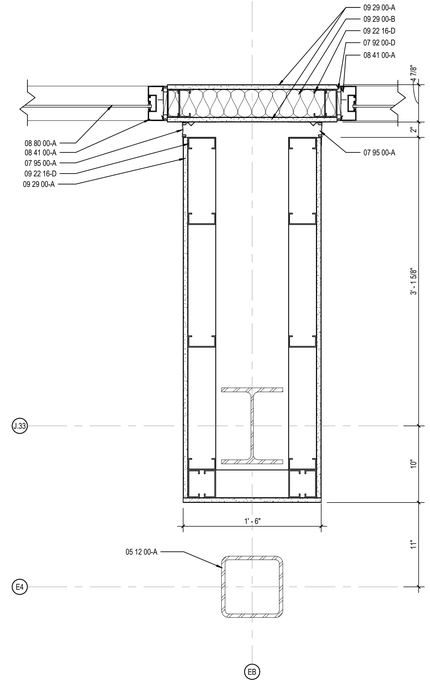
PROJECT NUMBER
2023060



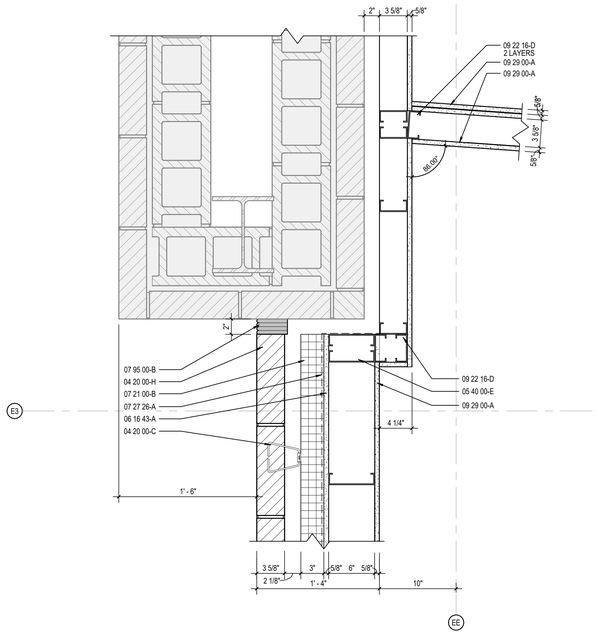
5 A422 ENLARGED PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



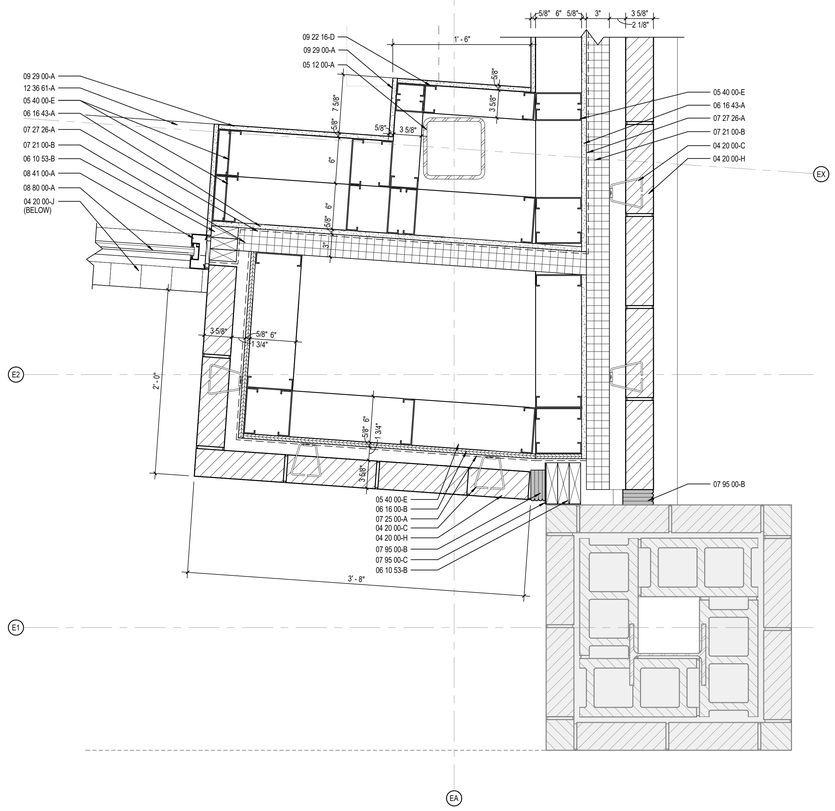
4 A422 ENLARGED PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



3 A422 ENLARGED PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



2 A422 ENLARGED PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



1 A422 ENLARGED PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The Contract Documents are complementary and describe all work required for full performance and completion of the requirements of the Contract.
The Trade Contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 02-22-2024

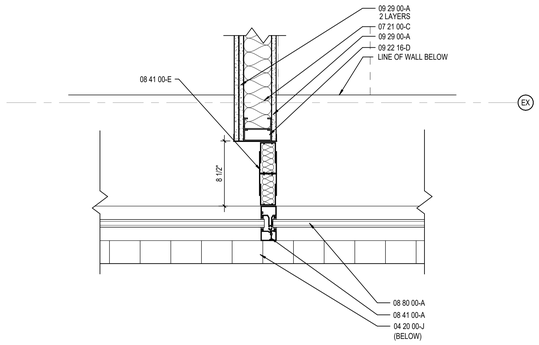
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
PLAN DETAILS ADMINSTRATION (ALTERNATE)

CERTIFIED BY:
BRENTON C. HAY
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

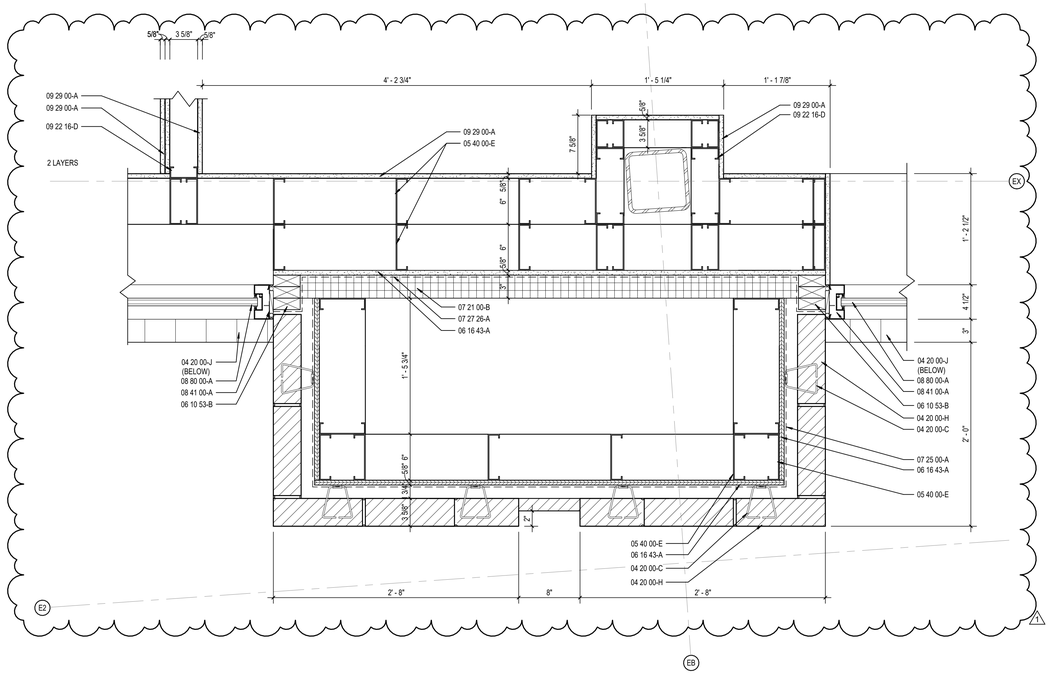
DRAWING NUMBER
A422

PROJECT NUMBER
2023060



2 A423 ENLARGED PLAN DETAIL

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



1 A423 ENLARGED PLAN DETAIL

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

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-C	2 1/2 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-F	3 FURRING (HAT) CHANNEL (16 GA. MIN.)
05 50 00-D	PRE-MANUFACTURED ALUMINUM ACCESS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 16 43-A	5/8" EXTERIOR GYPSUM SHEATHING
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-C	MINERAL WOOL BATT INSULATION
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 24 15-B	FLASHING
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 42 43-B	BRAKE METAL TRIM/FLASHING - COLOR AS SELECTED BY ARCHITECT
07 42 43-C	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-B	ROOF SYSTEM FLASHING
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
07 95 00-C	BRAKE METAL - COLOR AS SELECTED BY ARCHITECT
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-B	WIDE STYLE ALUMINUM ENTRANCE DOOR
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-E	EXTRUDED ALUMINUM ADJUSTABLE PARTITION CLOSURE
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-A	7/8" FURRING CHANNEL
09 22 16-D	3 5/8" STEEL STUD
09 22 16-E	6" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-B	SOUND ATTENUATION INSULATION
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 29 00-D	METAL J- MOULD
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
12 24 13-A	ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 36 61-A	SOLID SURFACE MATERIAL WINDOW STOOLS
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO

8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:

HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction required for the project.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction required.

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	02-22-2024

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:

PLAN DETAILS ADMINSTRATION (ALTERNATE)

CERTIFIED BY:

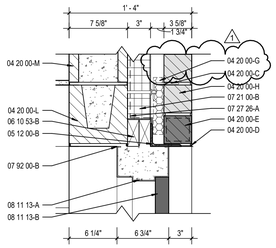
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER

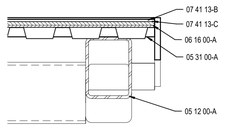
A423

PROJECT NUMBER

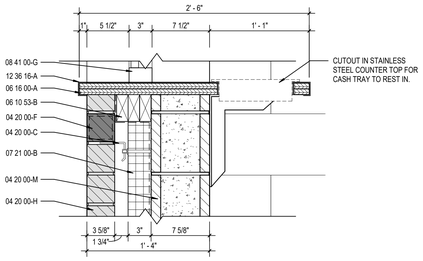
2023060



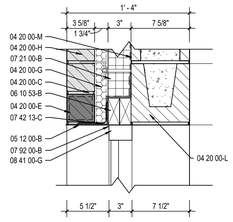
9 A453OB **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



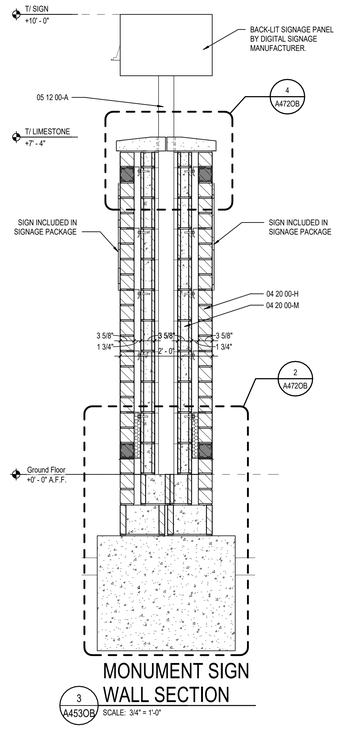
7 A453OB **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



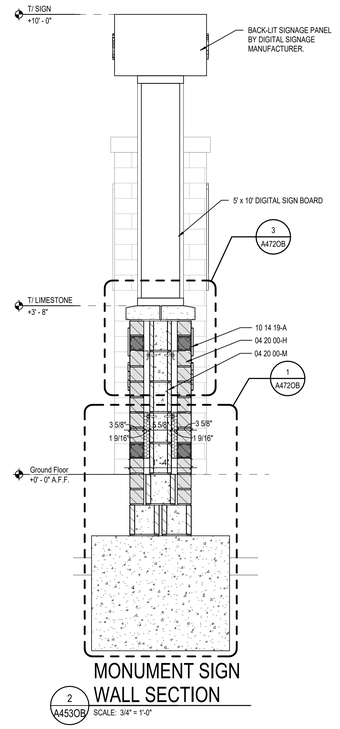
8 A453OB **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



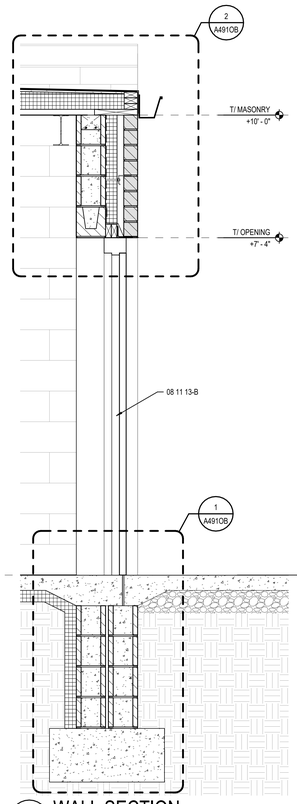
4 A453OB **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



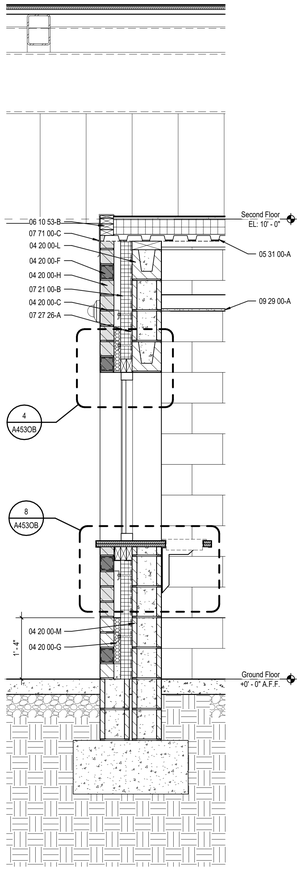
3 A453OB **MONUMENT SIGN WALL SECTION**
SCALE: 3/4" = 1'-0"



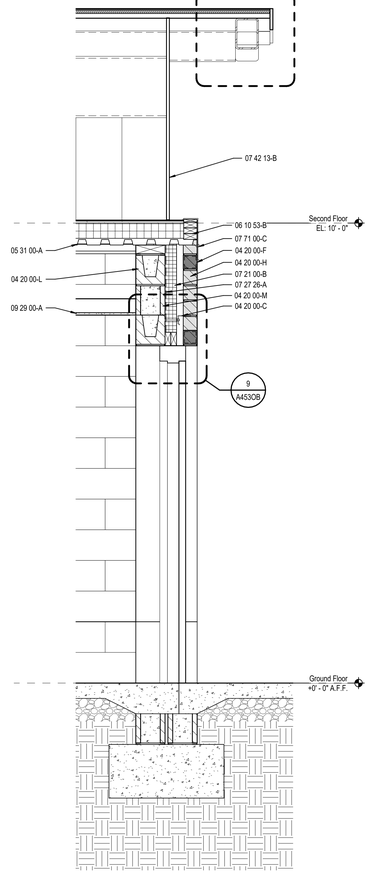
2 A453OB **MONUMENT SIGN WALL SECTION**
SCALE: 3/4" = 1'-0"



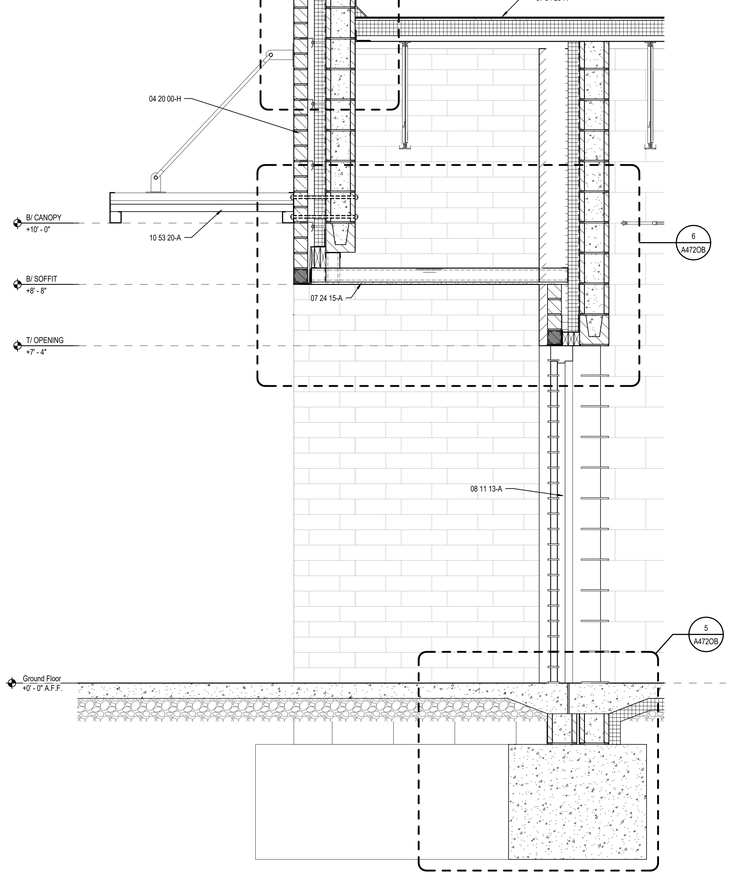
10 A453OB **WALL SECTION**
SCALE: 3/4" = 1'-0"



5 A453OB **WALL SECTION**
SCALE: 3/4" = 1'-0"



6 A453OB **WALL SECTION**
SCALE: 3/4" = 1'-0"



1 A453OB **WALL SECTION**
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 20 00-N	DECORATIVE CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 50 00-E	PRE-MANUFACTURED ALUMINUM SHIPS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
07 13 26-A	SELF-ADHEREING SHEET WATERPROOFING
07 13 26-B	MOLDED SHEET DRAINAGE PANEL
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 21 00-E	2" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-11.2)
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 41 13-B	STANDING SEAM METAL ROOF
07 41 13-C	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-B	PRE-FINISHED EXPOSED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-D	BRAKE METAL TRIM - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 54 23-H	MEMBRANE ROOFING - EXTEND OVER AND ATTACH TO FRONT FACE OF PARAPET
07 62 00-A	TERMINATION BAR
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 71 00-C	MANUFACTURED FASCIA CLADDING
07 71 00-D	MANUFACTURED COUNTERFLASHING SYSTEM
07 71 00-E	MANUFACTURED GUTTER
07 71 00-F	MANUFACTURED DOWNSPOUT
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 13-A	OVERHEAD COILING COUNTER DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 33 23-B	OVERHEAD COILING DOOR - UNINSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-G	HORIZONTAL SLIDING TRANSACTION WINDOW
08 71 00-A	ALUMINUM THRESHOLD
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-D	3 5/8" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
10 14 19-A	SIGNS- DIMENSIONAL CHARACTERS AND LOGO FOR EXTERIOR USE
10 53 20-A	PRE-FABRICATED METAL CANOPY
12 24 13-B	ROLLER SHADES- MOTORIZED ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 32 16-A	PLASTIC LAMINATE INSTITUTIONAL CASEWORK- SEE EQUIPMENT SCHEDULE
12 36 16-A	STAINLESS STEEL COUNTERTOPS
13 34 16-A	PERMANENT GRANDSTANDS AND PRESSBOX
14 24 00-A	HYDRAULIC ELEVATORS
14 24 00-B	ELEVATOR HOIST BEAM
14 24 00-C	ELEVATOR DOOR AND FRAME
14 24 00-D	PIT LADDER
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS
32 13 13-B	CONCRETE PAVING- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. They are not intended to be construction drawings describe all work required for full performance and completion of the requirements of the Contract.
The Trade Contractor shall install scope indicated or described, the trade contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 XX-XX-XX

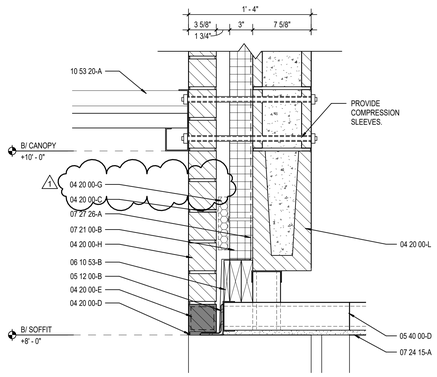
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
OUTBUILDINGS WALL SECTIONS & DETAILS

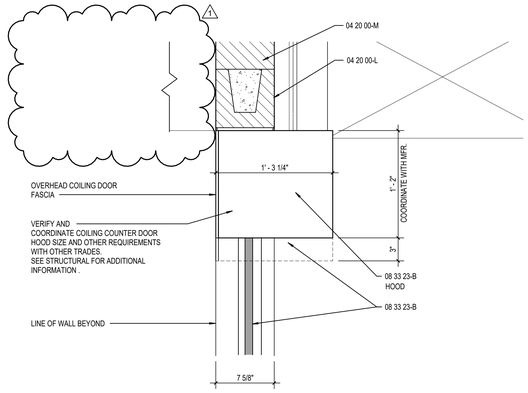
CERTIFIED BY:
BRENTON C. HAY
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A453OB

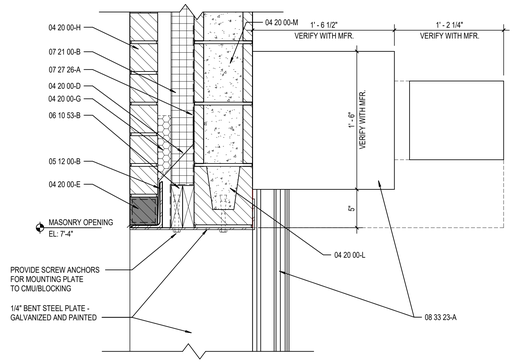
PROJECT NUMBER
2023060



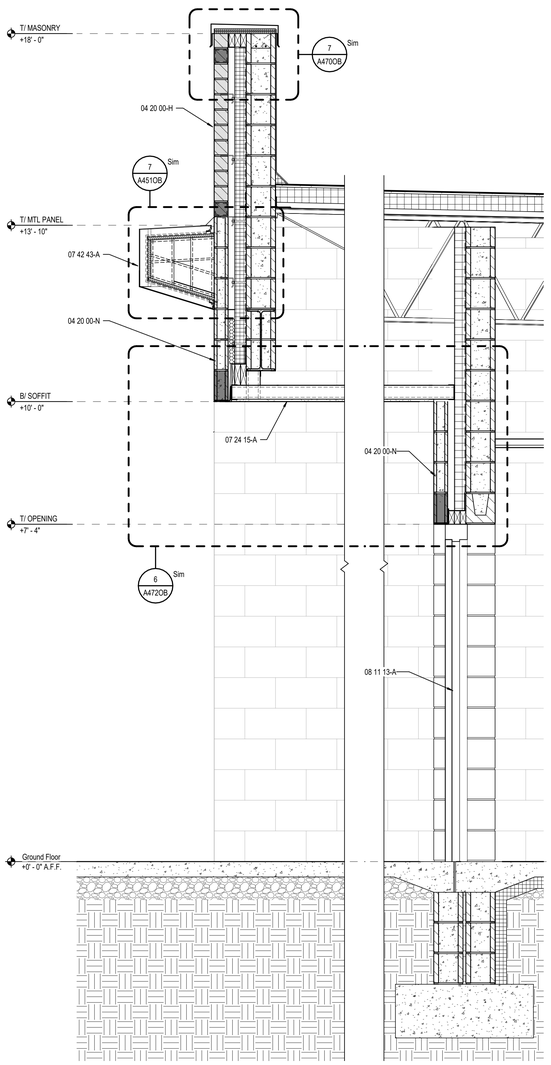
7 A4540B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



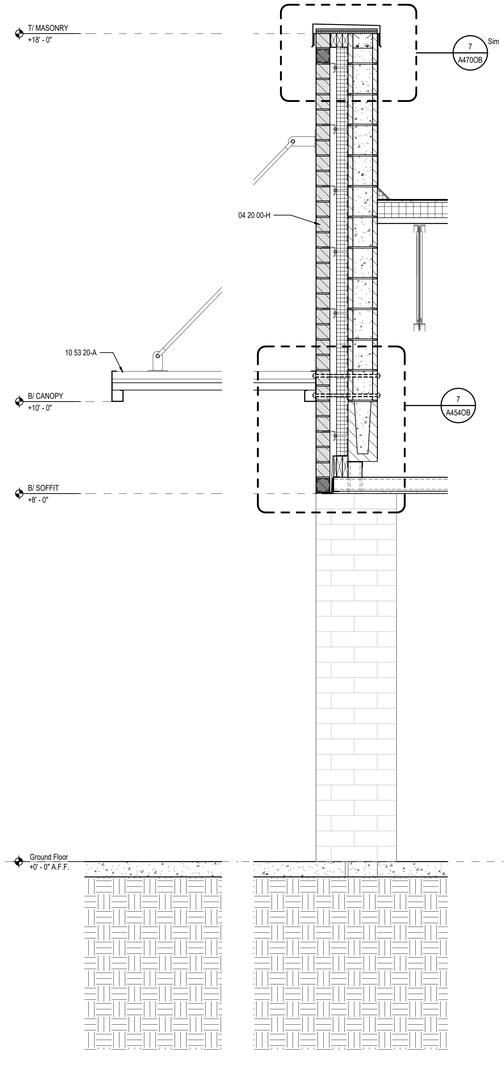
4 A4540B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



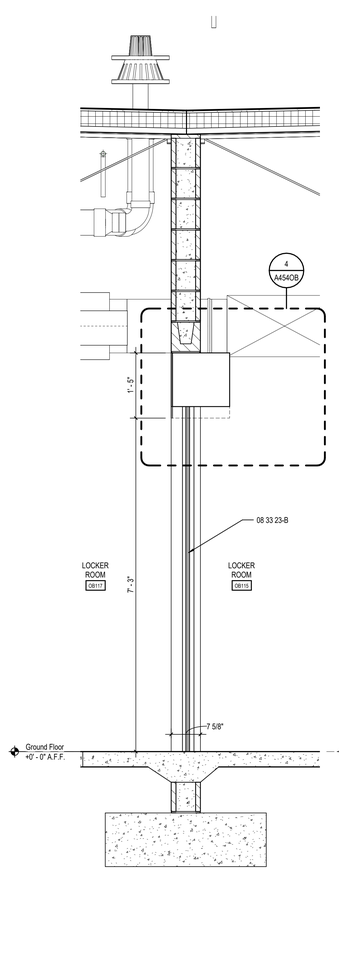
3 A4540B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



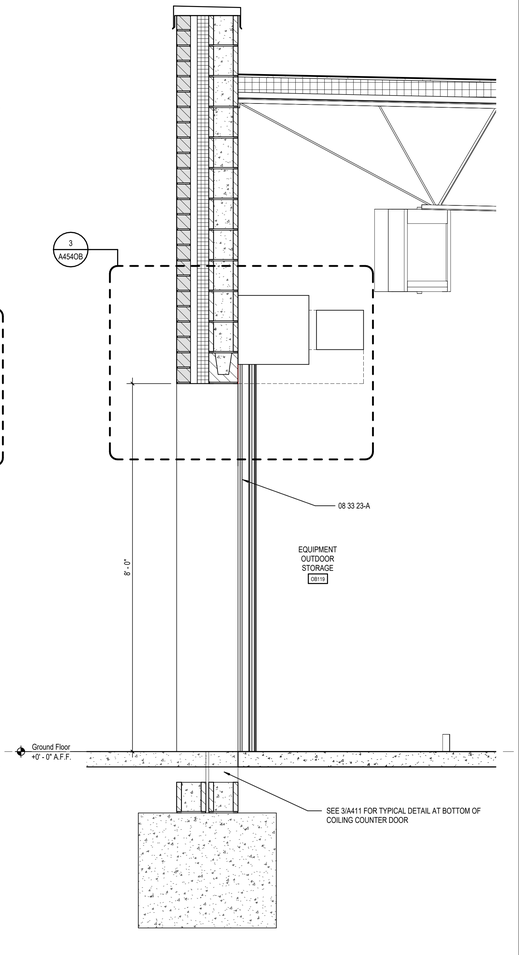
6 A4540B WALL SECTION
SCALE: 3/4" = 1'-0"



5 A4540B WALL SECTION
SCALE: 3/4" = 1'-0"



2 A4540B WALL SECTION
SCALE: 3/4" = 1'-0"



1 A4540B WALL SECTION
SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 20 00-N	DECORATIVE CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL. 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 50 00-E	PRE-MANUFACTURED ALUMINUM SHIPS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
07 13 26-A	SELF-ADHEREING SHEET WATERPROOFING
07 13 26-B	MOLDED SHEET DRAINAGE PANEL
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 21 00-E	2" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-11.2)
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 41 13-B	STANDING SEAM METAL ROOF
07 41 13-C	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-B	PRE-FINISHED EXPOSED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-D	BRAKE METAL TRIM - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 54 23-H	MEMBRANE ROOFING - EXTEND OVER AND ATTACH TO FRONT FACE OF PARAPET
07 62 00-A	TERMINATION BAR
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 71 00-C	MANUFACTURED FASCIA CLADDING
07 71 00-D	MANUFACTURED COUNTERFLASHING SYSTEM
07 71 00-E	MANUFACTURED GUTTER
07 71 00-F	MANUFACTURED DOWNSPOUT
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 13-A	OVERHEAD COILING COUNTER DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 33 23-B	OVERHEAD COILING DOOR - UNINSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-G	HORIZONTAL SLIDING TRANSACTION WINDOW
08 71 00-A	ALUMINUM THRESHOLD
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-D	3 5/8" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
10 14 19-A	SIGNS- DIMENSIONAL CHARACTERS AND LOGO FOR EXTERIOR USE
10 53 20-A	PRE-FABRICATED METAL CANOPY
12 24 13-B	ROLLER SHADES- MOTORIZED ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 32 16-A	PLASTIC LAMINATE INSTITUTIONAL CASEWORK- SEE EQUIPMENT SCHEDULE
12 36 16-A	STAINLESS STEEL COUNTERTOPS
13 34 16-A	PERMANENT GRANDSTANDS AND PRESSBOX
14 24 00-A	HYDRAULIC ELEVATORS
14 24 00-B	ELEVATOR HOIST BEAM
14 24 00-C	ELEVATOR DOOR AND FRAME
14 24 00-D	PIT LADDER
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS
32 13 13-B	CONCRETE PAVING- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of demolition, new work, and the relationship of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 XX-XX-XX

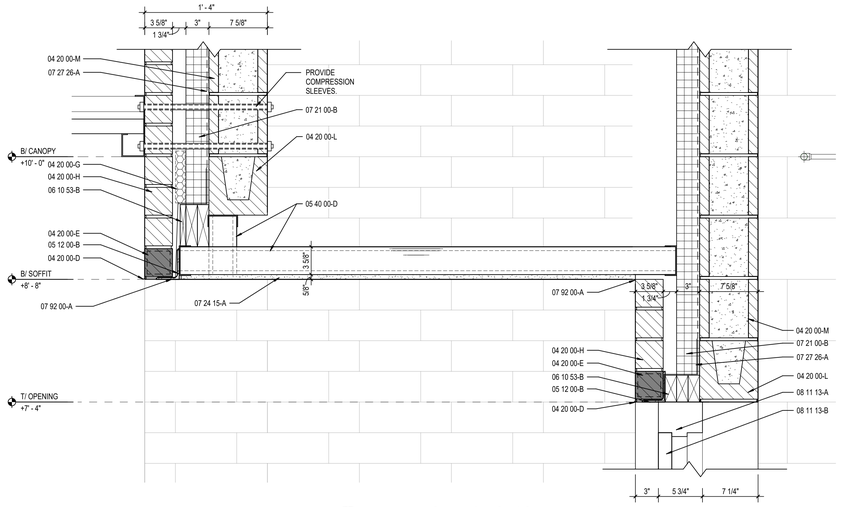
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
OUTBUILDING WALL SECTIONS & DETAILS

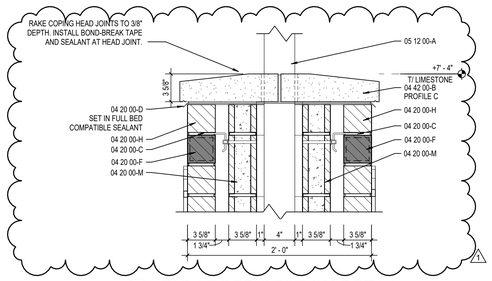
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A454OB

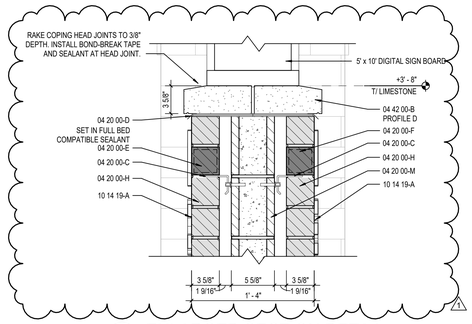
PROJECT NUMBER
2023060



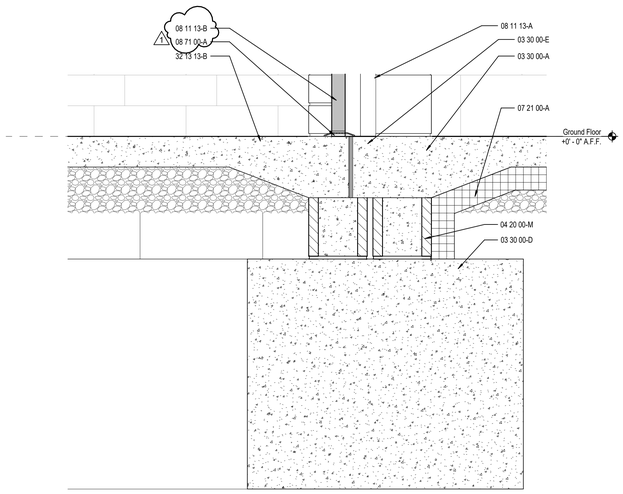
6 A4720B **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



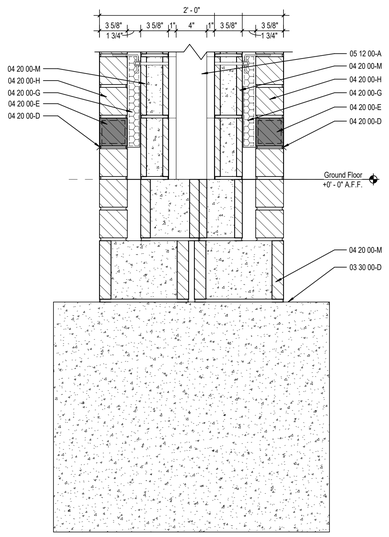
4 A4720B **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



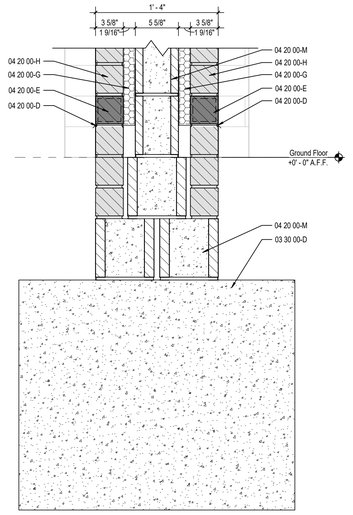
3 A4720B **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



5 A4720B **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



2 A4720B **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



1 A4720B **ENLARGED SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 20 00-N	DECORATIVE CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 50 00-E	PRE-MANUFACTURED ALUMINUM SHIPS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
07 13 26-A	SELF-ADHEREING SHEET WATERPROOFING
07 13 26-B	MOLDED SHEET DRAINAGE PANEL
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 21 00-E	2" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-11.2)
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 41 13-B	STANDING SEAM METAL ROOF
07 41 13-C	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-B	PRE-FINISHED EXPOSED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-D	BRAKE METAL TRIM - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 54 23-H	MEMBRANE ROOFING - EXTEND OVER AND ATTACH TO FRONT FACE OF PARAPET
07 62 00-A	TERMINATION BAR
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 71 00-C	MANUFACTURED FASCIA CLADDING
07 71 00-D	MANUFACTURED COUNTERFLASHING SYSTEM
07 71 00-E	MANUFACTURED GUTTER
07 71 00-F	MANUFACTURED DOWNSPOUT
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 13-A	OVERHEAD COILING COUNTER DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 33 23-B	OVERHEAD COILING DOOR - UNINSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-G	HORIZONTAL SLIDING TRANSACTION WINDOW
08 71 00-A	ALUMINUM THRESHOLD
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-D	3 5/8" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
10 14 19-A	SIGNS- DIMENSIONAL CHARACTERS AND LOGO FOR EXTERIOR USE
10 53 20-A	PRE-FABRICATED METAL CANOPY
12 24 13-B	ROLLER SHADES- MOTORIZED ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 32 16-A	PLASTIC LAMINATE INSTITUTIONAL CASEWORK- SEE EQUIPMENT SCHEDULE
12 36 16-A	STAINLESS STEEL COUNTERTOPS
13 34 16-A	PERMANENT GRANDSTANDS AND PRESSBOX
14 24 00-A	HYDRAULIC ELEVATORS
14 24 00-B	ELEVATOR HOIST BEAM
14 24 00-C	ELEVATOR DOOR AND FRAME
14 24 00-D	PIT LADDER
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS
32 13 13-B	CONCRETE PAVING- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 & 32 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction. The structural and electrical systems do not show all the drawings necessary to completely describe all work required for full performance and completion of the requirements of the Contract.
The Trade Contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	XX-XX-XX

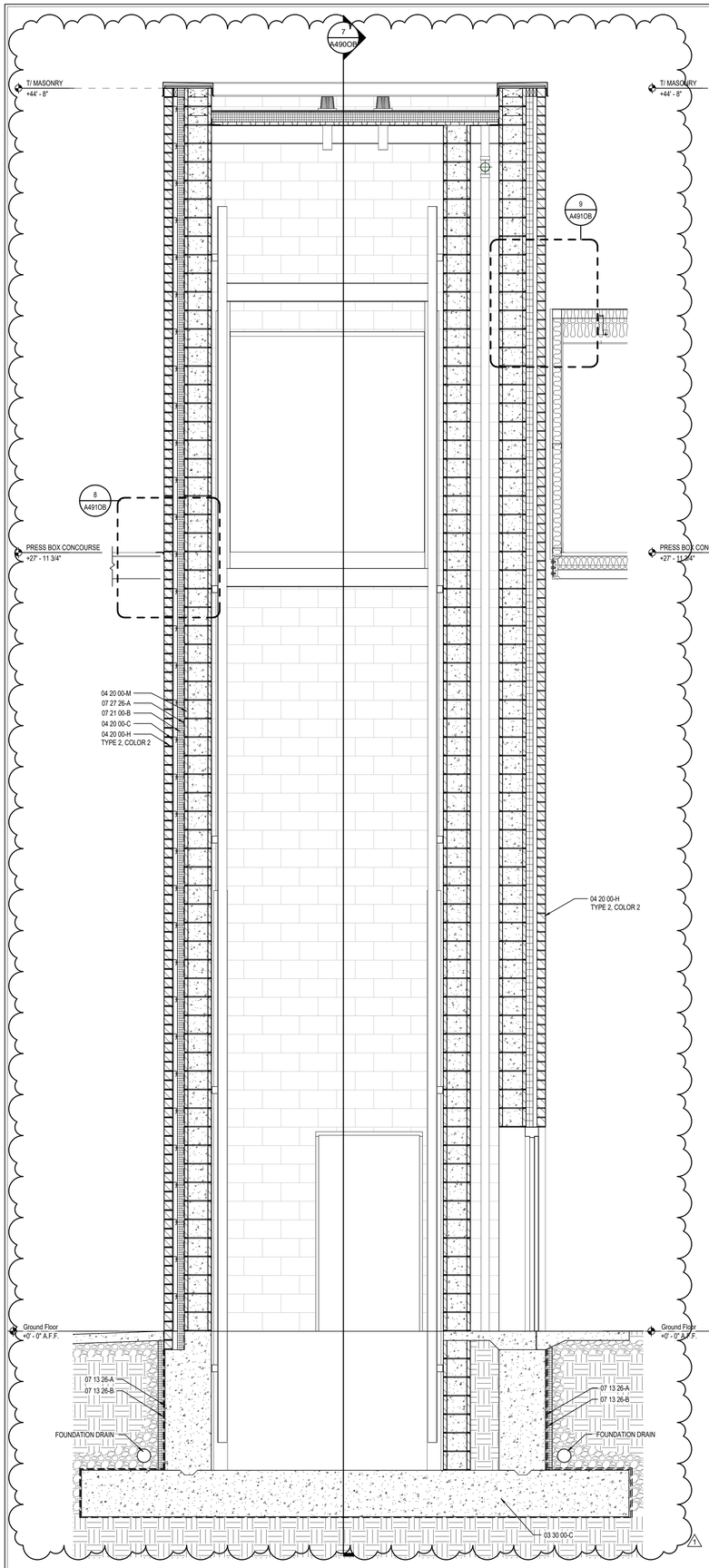
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
SECTION DETAILS

CERTIFIED BY:
BRENTON C. HAY
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

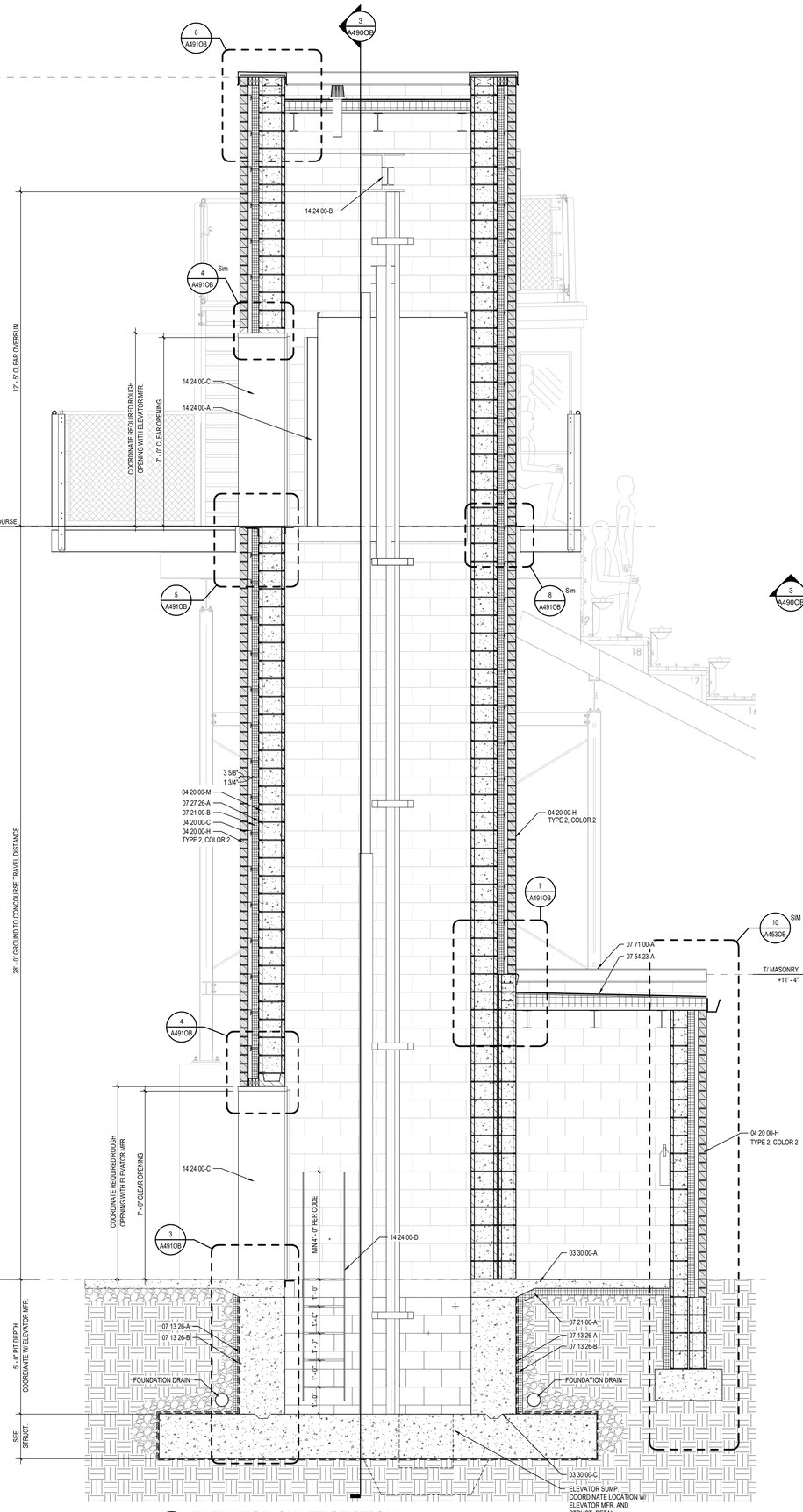
DRAWING NUMBER
A4720B

PROJECT NUMBER
2023060



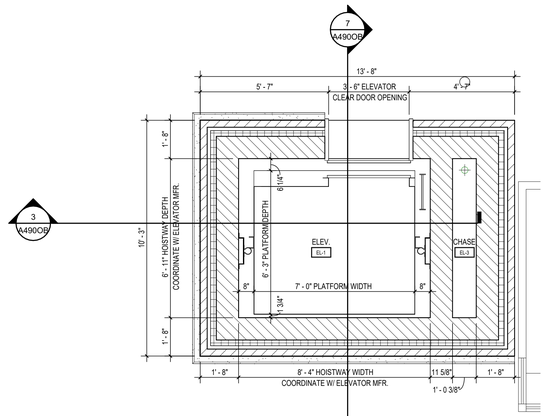
3 A490OB ELEVATOR SHAFT SECTION

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



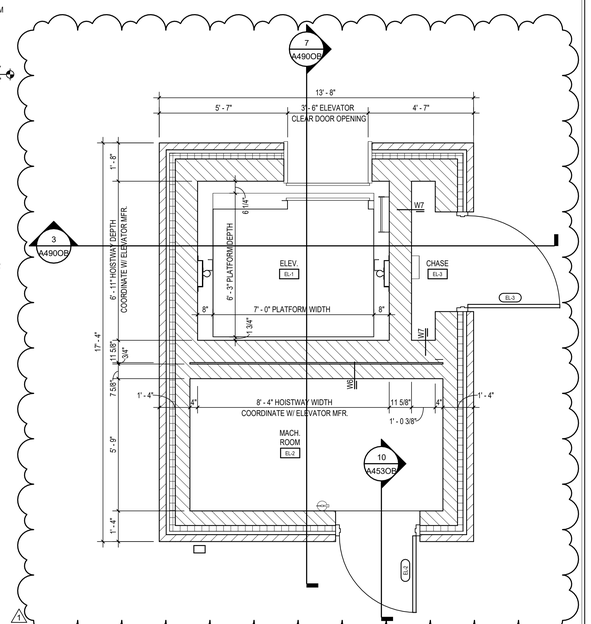
7 A490OB ELEVATOR SHAFT SECTION

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



PRESS BOX CONCOURSE ENLARGED ELEVATOR PLAN

2 A490OB SCALE: 3/8" = 1'-0"



GROUND FLOOR ENLARGED ELEVATOR PLAN

1 A490OB SCALE: 3/8" = 1'-0"

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the general requirements for size and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required to complete the intent and completion of the work contents of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	XX-XX-XX

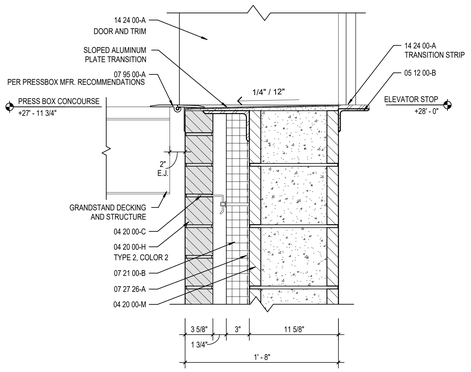
ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
ELEVATOR PLANS AND SECTIONS

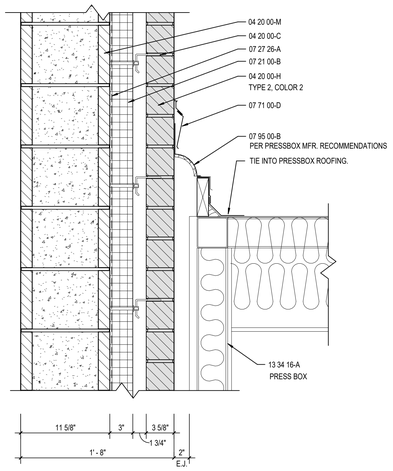
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A490OB

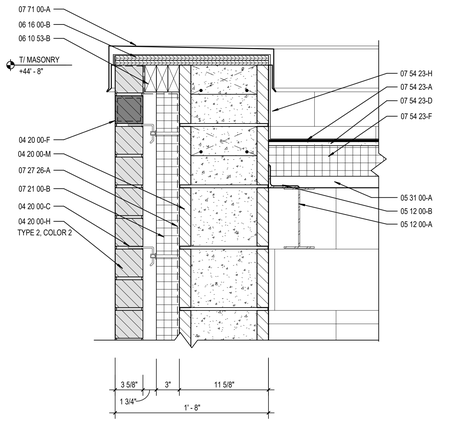
PROJECT NUMBER
2023060



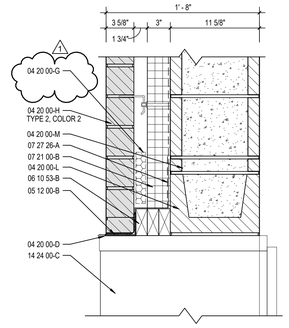
5 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



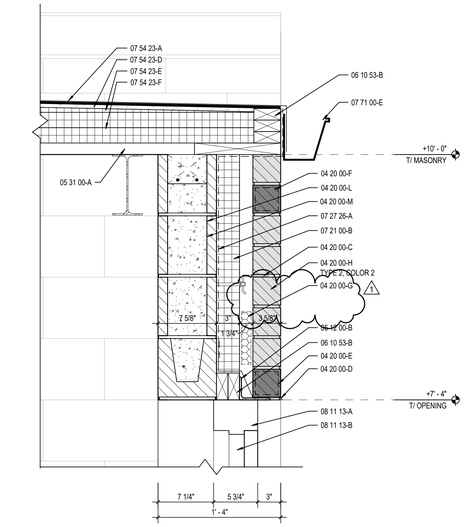
9 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



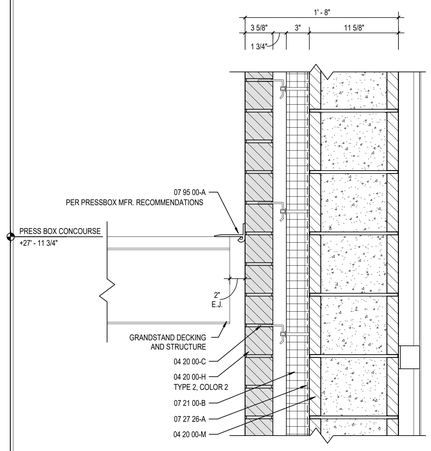
6 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



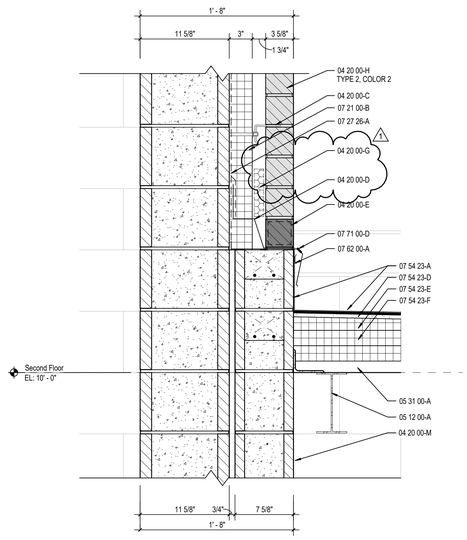
4 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



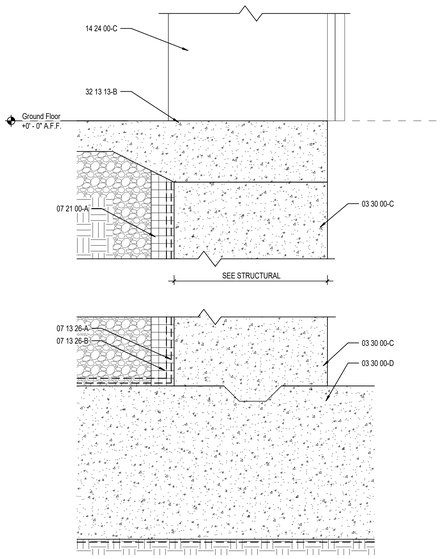
2 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



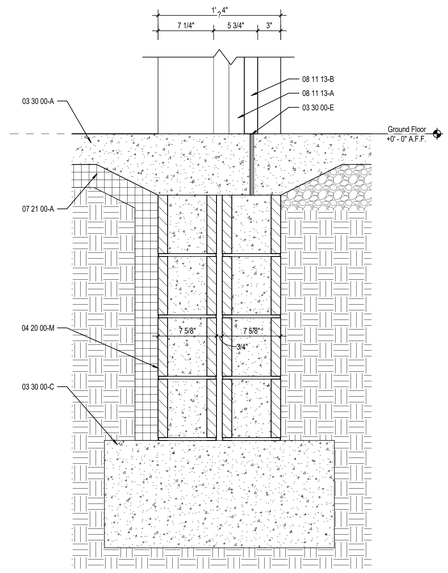
8 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



7 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



3 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 A4910B ENLARGED SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL
03 30 00-C	CONCRETE FOUNDATION- SEE STRUCTURAL
03 30 00-D	CONCRETE FOOTING- SEE STRUCTURAL
03 30 00-E	1/2" EXPANSION MATERIAL
04 20 00-A	GROUT CORE SOLID
04 20 00-C	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-D	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-E	WEEP HOLES AT 16" O.C.
04 20 00-F	VENTS AT 4'-0" O.C.
04 20 00-G	CAVITY DRAINAGE MATERIAL
04 20 00-H	BRICK - UTILITY (SEE ELEVATIONS FOR COLOR)
04 20 00-J	BRICK - UTILITY SOLDIER COURSING (SEE ELEVATIONS FOR COLOR)
04 20 00-L	BOND BEAM MASONRY UNIT
04 20 00-M	CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 20 00-N	DECORATIVE CONCRETE MASONRY UNIT - SEE DETAILS FOR SIZE
04 42 00-B	DIMENSIONED LIMESTONE SILL, 1" PROJECTION & DRIP EDGE
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER- SEE STRUCTURAL
05 12 00-B	STEEL ANGLE- SEE STRUCTURAL
05 12 00-C	STEEL PLATE- SEE STRUCTURAL
05 31 00-A	METAL ROOF DECKING- SEE STRUCTURAL
05 40 00-D	3 5/8 GALVANIZED STEEL STUD (16 GA. MIN.)
05 40 00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
05 50 00-E	PRE-MANUFACTURED ALUMINUM SHIPS LADDER
06 10 53-B	2X WOOD BLOCKING
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
07 13 26-A	SELF-ADHEREING SHEET WATERPROOFING
07 13 26-B	MOLDED SHEET DRAINAGE PANEL
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL)
07 21 00-B	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 21 00-D	THERMALLY BROKEN Z-CLIPS @ 16" O.C. COORDINATE DIRECTION WITH METAL PANEL MANUFACTURER
07 21 00-E	2" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-11.2)
07 24 15-A	DIRECT APPLIED FINISH SYSTEM (DAFS)- UN-INSULATED SYSTEM OVER 5/8" EXTERIOR GYPSUM
07 25 00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07 41 13-B	STANDING SEAM METAL ROOF
07 41 13-C	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07 42 13-A	PRE-FINISHED CONCEALED FASTENER METAL WALL PANEL
07 42 13-B	PRE-FINISHED EXPOSED FASTENER METAL WALL PANEL
07 42 13-C	BRAKE METAL FLASHING - COLOR TO MATCH METAL PANEL
07 42 13-D	BRAKE METAL TRIM - COLOR TO MATCH METAL PANEL
07 42 13-E	METAL HAT CHANNEL (16 GA. MIN.) - SEE SECTIONS FOR DEPTH
07 42 43-A	COMPOSITE METAL WALL PANEL
07 54 23-A	THERMOPLASTIC MEMBRANE ROOFING SYSTEM (SEE ALTERNATES)
07 54 23-D	1/2" COVER BOARD
07 54 23-E	TAPERED POLYISO INSULATION BOARD
07 54 23-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07 54 23-H	MEMBRANE ROOFING - EXTEND OVER AND ATTACH TO FRONT FACE OF PARAPET
07 62 00-A	TERMINATION BAR
07 71 00-A	MANUFACTURED COPING
07 71 00-B	MANUFACTURED GRAVEL STOP
07 71 00-C	MANUFACTURED FASCIA CLADDING
07 71 00-D	MANUFACTURED COUNTERFLASHING SYSTEM
07 71 00-E	MANUFACTURED GUTTER
07 71 00-F	MANUFACTURED DOWNSPOUT
07 92 00-A	SEALANT
07 92 00-B	SEALANT EACH SIDE, TYPICAL
07 92 00-C	BACKER ROD AND SEALANT
07 92 00-D	BACKER ROD AND SEALANT EACH SIDE, TYPICAL
07 95 00-A	EXPANSION JOINT COVER
07 95 00-B	EXTERIOR WALL EXPANSION JOINT SYSTEM
08 11 13-A	HOLLOW METAL DOOR/BORROWED LIGHT FRAME
08 11 13-B	HOLLOW METAL DOOR
08 33 13-A	OVERHEAD COILING COUNTER DOOR
08 33 23-A	OVERHEAD COILING DOOR - INSULATED
08 33 23-B	OVERHEAD COILING DOOR - UNINSULATED
08 41 00-A	4 1/2" ALUMINUM-FRAMED STOREFRONT
08 41 00-C	ALUMINUM BRAKE METAL TO MATCH STOREFRONT FRAME
08 41 00-G	HORIZONTAL SLIDING TRANSACTION WINDOW
08 71 00-A	ALUMINUM THRESHOLD
08 80 00-A	GLAZING - SEE SCHEDULE/ELEVATIONS
09 22 16-D	3 5/8" STEEL STUD
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 29 00-C	SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
10 14 19-A	SIGNS- DIMENSIONAL CHARACTERS AND LOGO FOR EXTERIOR USE
10 53 20-A	PRE-FABRICATED METAL CANOPY
12 24 13-B	ROLLER SHADES- MOTORIZED ROLLER WINDOW SHADES- SEE EQUIPMENT SCHEDULE
12 32 16-A	PLASTIC LAMINATE INSTITUTIONAL CASEWORK- SEE EQUIPMENT SCHEDULE
12 36 16-A	STAINLESS STEEL COUNTERTOPS
13 34 16-A	PERMANENT GRANDSTANDS AND PRESSBOX
14 24 00-A	HYDRAULIC ELEVATORS
14 24 00-B	ELEVATOR HOIST BEAM
14 24 00-C	ELEVATOR DOOR AND FRAME
14 24 00-D	PIT LADDER
32 13 13-A	SIDEWALK- SEE CIVIL SHEETS
32 13 13-B	CONCRETE PAVING- SEE CIVIL SHEETS

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:
HAMILTON HEIGHTS
SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the general requirements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	XX-XX-XX

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
ELEVATOR SECTION DETAILS

CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A491OB

PROJECT NUMBER
2023060

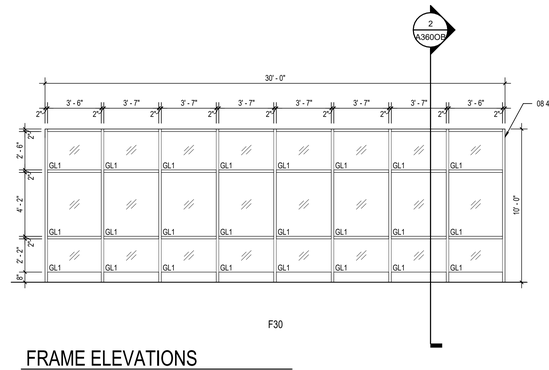
DOOR AND FRAME SCHEDULE

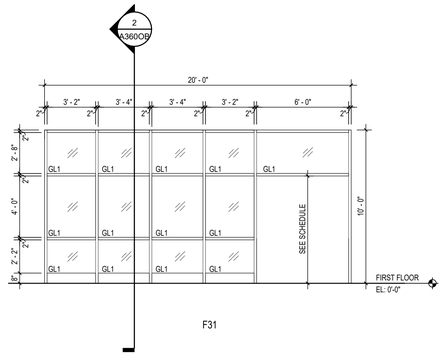
DOOR								FRAME				DETAIL				
MARK	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	MATERIAL	FINISH	ELEVATION	GLASS	MATERIAL	FINISH	ELEVATION	GLASS	HEAD	JAMB	SILL	UL RATING	STC RATING	REMARKS
EL-2	SGL	3' - 4"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	60M	-	-
EL-3	SGL	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB101	SGL	3' - 4"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB101A	SGL	2' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB102	SGL	3' - 4"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB103	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB104	PAIR	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F4	-	H30	J30	S30	-	-	-
OB105-1	CCD	12' - 0"	7' - 4"	1"	GSTL	PC	D4 SIM	-	GSTL	PC	-	-	5/A470OB	9&10/A470OB	4/A470OB	-	-	1
OB105-2	SGL	3' - 4"	7' - 0"	1 3/4"	WD	ST	D2	GL2	HM	PT	F2	-	H31	J31	-	-	-	-
OB106	SGL	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB107	PAIR	3' - 0"	7' - 0"	1 3/4"	AL	AN	D6	GL1	AL	AN	F31	GL1	H32	J32	5/A451OB	-	-	-
OB107A	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB107C	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB108-1	SGL	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB108-2	SGL	3' - 4"	7' - 0"	1 3/4"	WD	ST	D2	GL2	HM	PT	F2	-	H31	J31	-	-	-	-
OB108A	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB108B	PAIR	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F4	-	H31	J31	-	-	-	-
OB109	PAIR	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F4	-	H31	J31	-	-	-	-
OB110-1	PAIR	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F4	-	H30	J30	S30	-	-	-
OB110-2	PAIR	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F4	-	H30	J30	S30	-	-	-
OB111	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB112	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB113	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB114	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB115	SGL	4' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB115A	OCD	6' - 0"	8' - 8"	1"	GSTL	PC	D4	-	GSTL	PC	-	-	4/A454OB	J33	-	-	-	3
OB116	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D3	GL2	HM	PT	F32	GL2	H31	J31	-	-	-	-
OB116A	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB117	SGL	4' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB118-1	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D3	GL2	HM	PT	F32	GL2	H31	J31	-	-	-	-
OB118-2	PAIR	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F4	-	H31	J31	-	-	-	-
OB118A	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB119	OCD	8' - 0"	8' - 0"	7/8"	GSTL	PC	D4	-	GSTL	PC	-	-	3/A454OB	J34	3/A411	-	-	2
OB120-1	PAIR	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F4	-	H30	J30	S30	-	-	-
OB120-2	SGL	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H31	J31	-	90M	-	-
OB121-1	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB121-2	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB121A	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB122	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB123	SGL	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB123A	OCD	6' - 0"	8' - 8"	1"	GSTL	PC	D4	-	GSTL	PC	-	-	4/A454OB	J33	-	-	-	3
OB124	SGL	4' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB125-1	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
OB125-2	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB125A	SGL	3' - 0"	7' - 0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-
OB128	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
TB100	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-
TB101	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-

SEE SHEET A601 FOR DOOR ELEVATIONS

DOOR ELEVATIONS

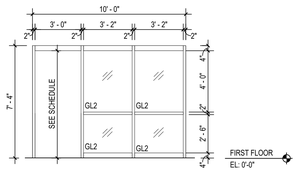
SCALE: 1/4" = 1'-0"

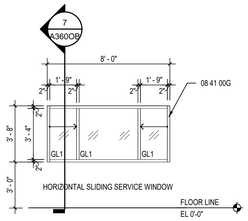


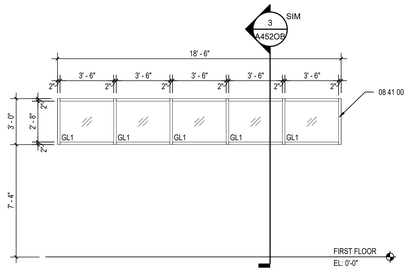


FRAME ELEVATIONS

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

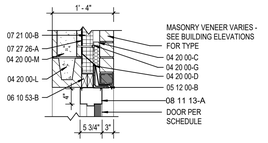






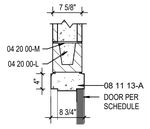
FRAME ELEVATIONS (CONT.)

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



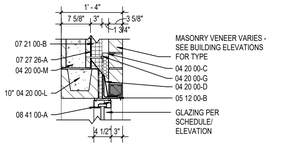
HEAD DETAIL H30

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



HEAD DETAIL H31

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

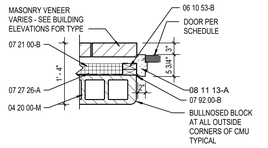


HEAD DETAIL H32

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

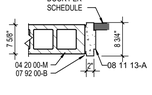
SILL DETAIL S30

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



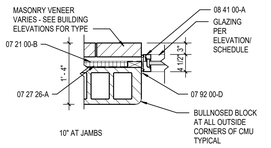
JAMB DETAIL J30

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



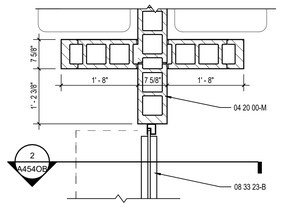
JAMB DETAIL J31

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



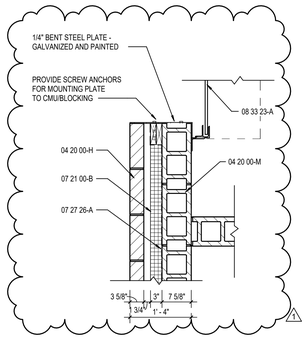
JAMB DETAIL J32

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



JAMB DETAIL J33

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



JAMB DETAIL J34

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

GLASS SCHEDULE

GL1 1" THICK TEMPERED, LOW E, INSULATING GLAZING WITH 2 PANES 1/4" GLASS AND 1/2" AIRSPACE.
GL2 1/4" CLEAR TEMPERED GLASS.
GL3 1/4" LAMINATED CLEAR GLASS.

ABBREVIATIONS LEGEND

AL = ALUMINUM
AN = ANODIZED
BL = BORROWED LITE
CCD = COILING COUNTER DOOR
GHM = GALVANNEALED HOLLOW METAL
GL = GLASS
GSTL = GALVANIZED STEEL
HM = HOLLOW METAL
OCD = OVERHEAD COILING DOOR
PC = POWDER COAT
PT = PAINT
ST = STAIN
SS = STAINLESS STEEL
STL = STEEL
WD = WOOD
60M = 60 MINUTE DOOR AND FRAME ASSEMBLY RATING
90M = 90 MINUTE DOOR AND FRAME ASSEMBLY RATING
* = SEE REMARKS COLUMN FOR NOTES

GENERAL DOOR NOTES

A. THESE GENERAL NOTES APPLY TO THE DOOR SCHEDULE.
B. DOOR AND FRAME NUMBERS CORRESPOND TO RESPECTIVE ROOM NUMBER. IN ROOMS WITH MULTIPLE OPENINGS, A NUMERICAL SUFFIX HAS BEEN ADDED TO DOOR NUMBERS.
C. VERTICAL FRAMING MEMBERS AT ALL DOOR FRAMES SHALL EXTEND TO STRUCTURE ABOVE.
D. UNDERCUT ALL DOORS AS REQUIRED BY FINAL FINISH.
E. PROVIDE CONTINUOUS SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION.
F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR AND EXTERIOR WINDOW, CURTAINWALL AND STOREFRONT FRAME PERIMETERS AND SURROUNDING CONSTRUCTION UNLESS NOTED OTHERWISE.
G. GROUT FULL HOLLOW METAL FRAMES IN MASONRY CONSTRUCTION.
H. SPOT GROUT HOLLOW METAL FRAMES IN GYPSUM WALLS.
I. WHERE A FIRE RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
J. WHERE AN STC RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
K. INSTALL DOOR GLASS USING WET GLAZING METHOD.
L. ALL LINTELS ABOVE EXTERIOR OPENINGS SHALL BE GALVANIZED.
M. REFER TO SHEETS A0XX & AXXX FOR ADDITIONAL DOOR, FRAME AND BORROWED LITE ELEVATIONS.
N. COORDINATE THROAT OPENINGS WITH WALL WIDTH FOR ALL WRAP AROUND FRAMES.
O. SCHEDULED HARDWARE FOR ALUMINUM DOORS SHALL BE PROVIDED BY HARDWARE SUPPLIER AND INSTALLED BY ALUMINUM SUPPLIER. ALUMINUM DOORS TO BE PREPARED BY ALUMINUM DOOR SUPPLIER IN ACCORDANCE WITH THE SCHEDULED HARDWARE.
P. ALL NEW HOLLOW METAL DOORS, FRAMES AND BORROWED LITE FRAMES TO BE PAINTED AS INDICATED ON THE A800 SERIES FINISH PLANS. SEE FINISH PLANS FOR WOOD DOOR FINISHES.
Q. PROVIDE SILENCERS ON ALL DOOR FRAMES.
R. SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR MASONRY AND STEEL LINTELS. PROVIDE STRUCTURAL STEEL LINTELS AT OPENINGS OPENINGS WHERE INDICATED ON THE STRUCTURAL STEEL DRAWINGS IN LIEU OF MASONRY LINTEL AS SHOWN IN THESE DETAILS.
S. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF DOORS AND FRAMES. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.
T. SEE SHEETS A501 AND A502 FOR ADDITIONAL INFORMATION INCLUDING DOOR ELEVATIONS AND MISCELLANEOUS DETAILS.

DOOR NOTES

1. EXTERIOR INSULATED COILING COUNTER DOOR - MANUAL PUSH-UP OPERATION - SEE SPECIFICATION SECTION 08 33 13.
2. EXTERIOR INSULATED OVERHEAD COILING DOOR - ELECTRICALLY OPERATED - KEYED SWITCH BOTH SIDES (INSIDE AND OUTSIDE) - SEE SPECIFICATION SECTION 08 33 23.
3. INTERIOR UNINSULATED OVERHEAD COILING DOOR - MANUAL PUSH-UP OPERATION - BETWEEN THE JAMBS MOUNT - SEE SPECIFICATION SECTION 08 33 23.

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction materials and systems required.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the Contractor shall provide all work required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 XX-XX-XX

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:
OUTBUILDINGS DOOR SCHEDULE, ELEVATIONS AND DETAILS

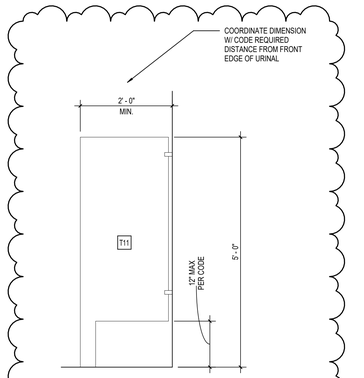
CERTIFIED BY:
BRENTON C. HITE
REGISTERED
No. AR11700184
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A551OB

PROJECT NUMBER
2023060

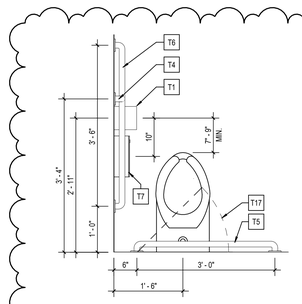
TOILET ACCESSORY SCHEDULE

TYPE MARK	ITEM DESCRIPTION	MANUFACTURER	MODEL #	MOUNTING HEIGHT	FURNISHED BY	INSTALLED BY
T1	TOILET TISSUE DISPENSER -SURFACE MOUNTED	BY OWNER	-	MOUNT AS REQUIRED FOR ADA. COORDINATE LOCATION WITH GRAB BARS.	OWNER	CONTRACTOR
T2	SOAP DISPENSER - SURFACE MOUNTED	BY OWNER	-	-	OWNER	CONTRACTOR
T3	SURFACE MOUNTED AUTOMATIC HAND DRYER	BOBRICK	B-7128 208-240V	-	CONTRACTOR	CONTRACTOR
T4	GRAB BAR - 18"	BOBRICK	B-6806	BOTTOM @ 40" A.F.F. INSTALLED VERTICALLY	CONTRACTOR	CONTRACTOR
T5	GRAB BAR - 36"	BOBRICK	B-6806	MOUNT @ 34" ADA HEIGHT	CONTRACTOR	CONTRACTOR
T6	GRAB BAR - 42"	BOBRICK	B-6806	MOUNT @ 34" ADA HEIGHT	CONTRACTOR	CONTRACTOR
T7	SANITARY NAPKIN DISPOSAL - SURFACE MOUNTED	BOBRICK	B-254		CONTRACTOR	CONTRACTOR
T8	MIRROR 18" x 36"	BOBRICK	B-165	BOTTOM @ 40" A.F.F.	CONTRACTOR	CONTRACTOR
T10	TOILET PARTITION	SEE SPEC #10 21 13	-	-	CONTRACTOR	CONTRACTOR
T11	URINAL SCREEN	SEE SPEC #10 21 13	-	-	CONTRACTOR	CONTRACTOR
T12	SHOWER CURTAIN - VINYL	BOBRICK	204-2	-	CONTRACTOR	CONTRACTOR
T14	REVERSIBLE FOLDING SHOWER SEAT	BOBRICK	B-5181	-	CONTRACTOR	CONTRACTOR
T15	TWO-WALL SHOWER GRAB BAR	BOBRICK	B-6861	-	CONTRACTOR	CONTRACTOR
T17	24" x 24" ACCESS PANEL	NYSTROM	NTL 24x24	-	CONTRACTOR	CONTRACTOR



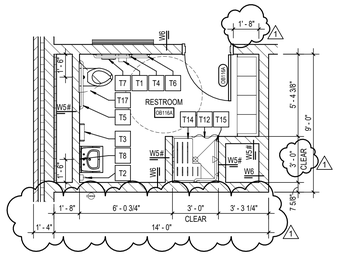
TYPICAL IN-LINE SUPPORTED URINAL SCREEN

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



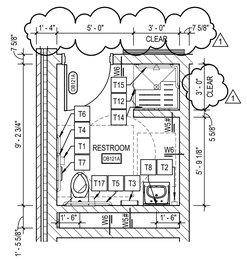
TYPICAL ACCESSORY LAYOUT

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



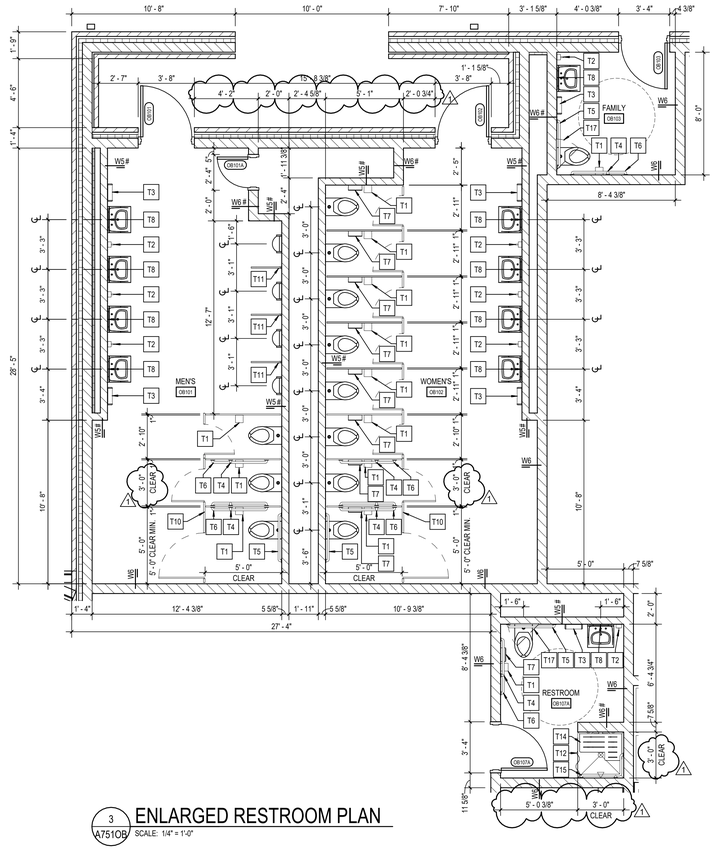
5 A7510B ENLARGED RESTROOM PLAN

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



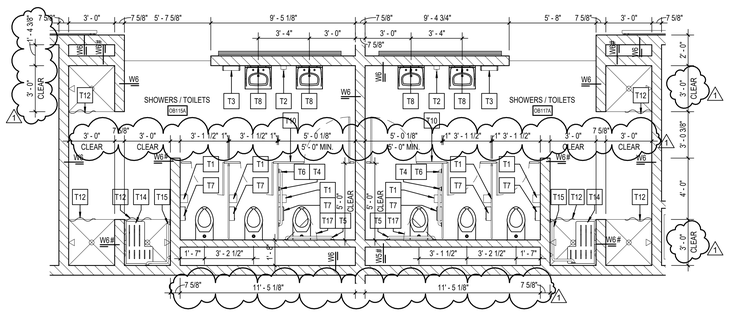
4 A7510B ENLARGED RESTROOM PLAN

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



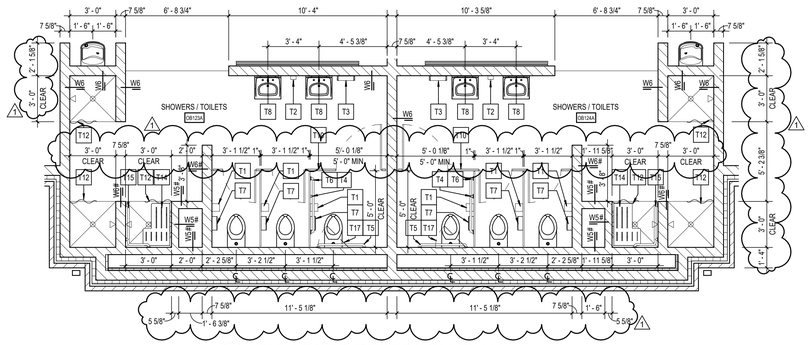
3 A7510B ENLARGED RESTROOM PLAN

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



2 A7510B ENLARGED RESTROOM PLAN

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



1 A7510B ENLARGED RESTROOM PLAN

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

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

PROJECT:

HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. They are not the drawings intended or adequate to describe all work required for full performance and completion of the requirements of the Contract.

All work not specifically scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM #1	XX-XX-XX

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	ZER	BCH

DRAWING TITLE:

ENLARGED RESTROOM PLANS

CERTIFIED BY:

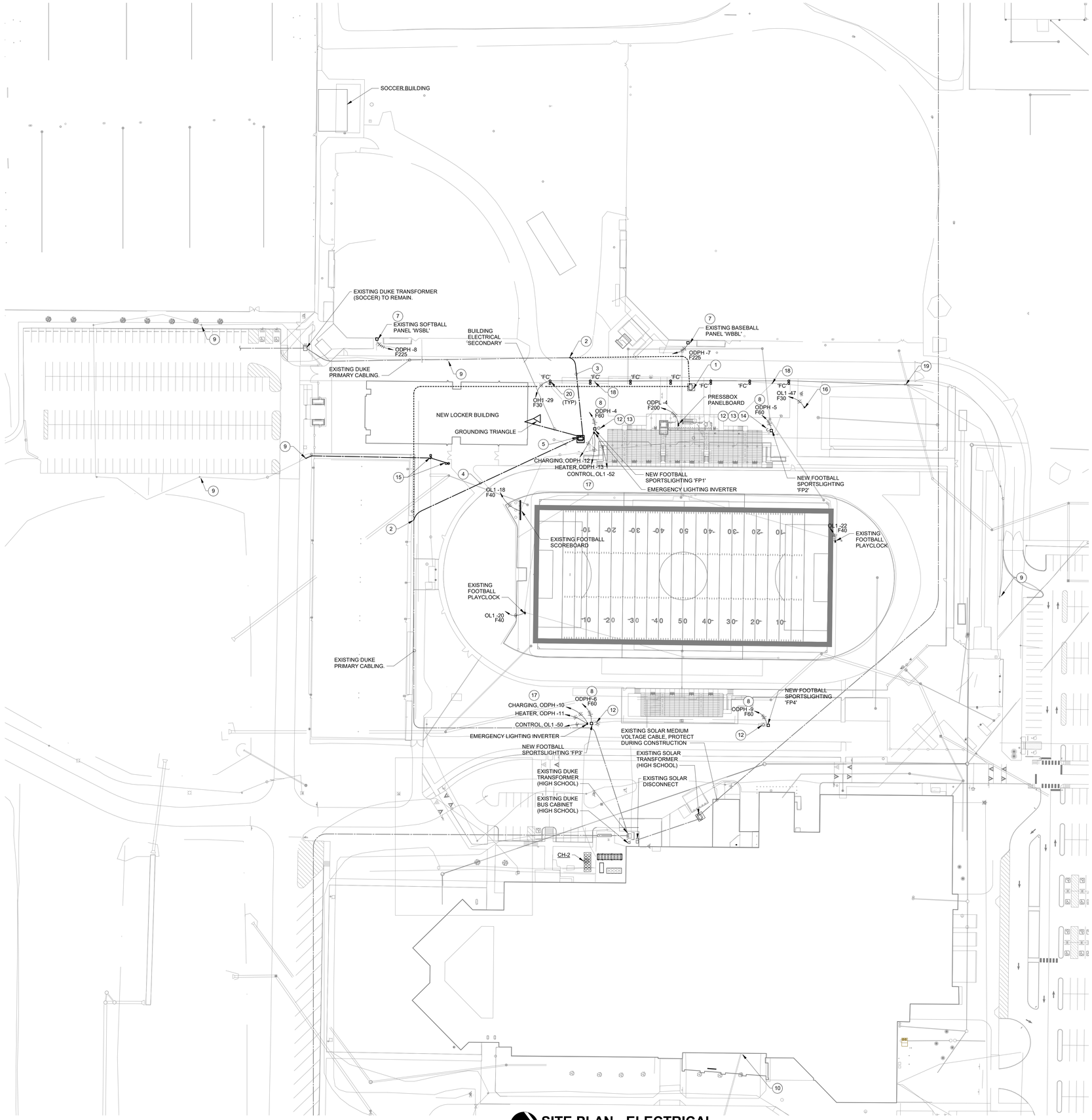
BRENTON C. HAY
REGISTERED
No. AR11700184
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER

A7510B

PROJECT NUMBER

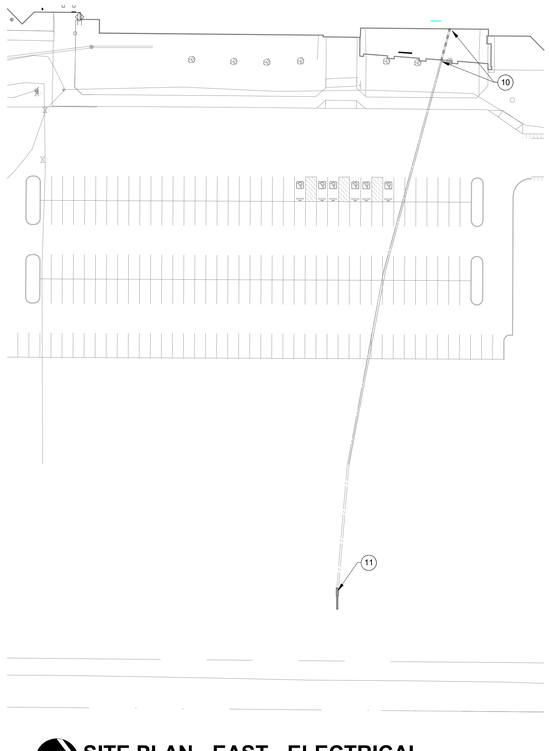
2023060



SITE PLAN - ELECTRICAL

SCALE: 1" = 50'-0"

NORTH



SITE PLAN - EAST - ELECTRICAL

SCALE: 1" = 50'-0"

NORTH

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

(#) PLAN NOTES:

1. EXISTING TRANSFORMER AND PAD TO BE REMOVED. COORDINATE WITH DUKE ENERGY.
2. EXISTING ELECTRIC PRIMARY FEEDER TO BE REMOVED FROM EXISTING TRANSFORMER TO THIS POINT. COORDINATE WITH DUKE ENERGY.
3. PROVIDE NEW 4" PVC CONDUIT FOR UTILITY PRIMARY. CONNECT TO EXISTING CONDUIT AND EXTEND TO NEW UTILITY TRANSFORMER. DUKE ENERGY TO INSTALL PRIMARY CABLING.
4. PROVIDE NEW 4" PVC CONDUIT FOR UTILITY PRIMARY. EXTEND FROM NEW UTILITY TRANSFORMER AND CONNECT TO EXISTING PRIMARY CONDUIT TO HIGH SCHOOL. DUKE ENERGY TO INSTALL PRIMARY CABLING.
5. NEW UTILITY TRANSFORMER. SEE DETAILS ON DRAWING E404.
6. LOCKER BUILDING SERVICE FEEDER. SEE RISER ON DRAWING E501 FOR SIZING.
7. EXISTING PANELBOARD TO BE REFED FROM NEW LOCKER BUILDING, REMOVE EXISTING FEEDER CABLE, ABANDON EXISTING CONDUIT BELOW GRADE.
8. NEW FOOTBALL LIGHTING POLE AND BASE.
9. EXISTING PARKING LOT LIGHTING TO REMAIN. EXISTING CIRCUIT FROM HIGH SCHOOL BUILDING.
10. EXISTING CONDUITS FOR POWER TO EXISTING MONUMENT SIGN ARE AFFECTED BY DEMOLITION OF EXISTING EXTERIOR WALL. INTERCEPT CONDUITS AND ROUTE NEW CONDUITS IN NEW EXTERIOR WALL. EXTEND CABLING AS REQUIRED TO EXISTING PANELBOARD.
11. MONUMENT SIGN.
12. DEMOLISH EXISTING SPORTSLIGHTING POLE AND BASE.
13. EXISTING SPEAKER ON POLE TO BE TURNED OVER TO OWNER.
14. EXISTING BUS ANTENNA ON POLE TO BE TURNED OVER TO OWNER.
15. PARKING LOT POLE TO BE RELOCATED AND ORIENTATED TO POINT SOUTH. DEMOLISH EXISTING POLE BASE AND PROVIDE NEW POLE BASE. EXTEND CIRCUIT FROM REMAINING PARKING LOT FIXTURES.
16. PROVIDE CIRCUIT FOR IRRIGATION CONTROL PANEL.
17. SPORTLIGHTING EMERGENCY INVERTER. SEE SCHEMATIC ON DRAWING E403. PROVIDE EQUIPMENT PAD.
18. DEMOLISH EXISTING POLE AND BASE. TURN OVER HEAD TO OWNER. CIRCUIT TO REMAIN TO EXISTING FIXTURES STILL ON CIRCUIT.
19. EXISTING PARKING LOT LIGHTING TO REMAIN. EXTEND NEW CIRCUIT FROM NEW LIGHTING TO THIS FIXTURE.
20. SEE POLE BASE DETAIL ON DRAWING E403.

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

D&A #23090

R.E. Dimond and Associates, Inc.
Consulting Engineers
722 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4477
Fax: (317) 638-3725

PROJECT:
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the materials, equipment and the type of plumbing, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
The Contractor shall furnish all general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	Addendum #1	2024-02-22

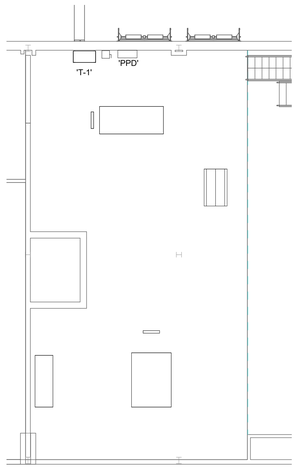
ISSUE DATE	DRAWN BY	CHECKED BY
02/08/2024	AJS	AJS

DRAWING TITLE:
SITE PLAN - ELECTRICAL

CERTIFIED BY:
AARON J. SCHOPP
REGISTERED
No PE10504720
STATE OF INDIANA
PROFESSIONAL ENGINEER
02/08/2024

DRAWING NUMBER
E100

PROJECT NUMBER
2022060



3 AGRICULTURE MEZZANINE PLAN - POWER

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

RENOVATION LEGEND:

WORK TO BE INSTALLED

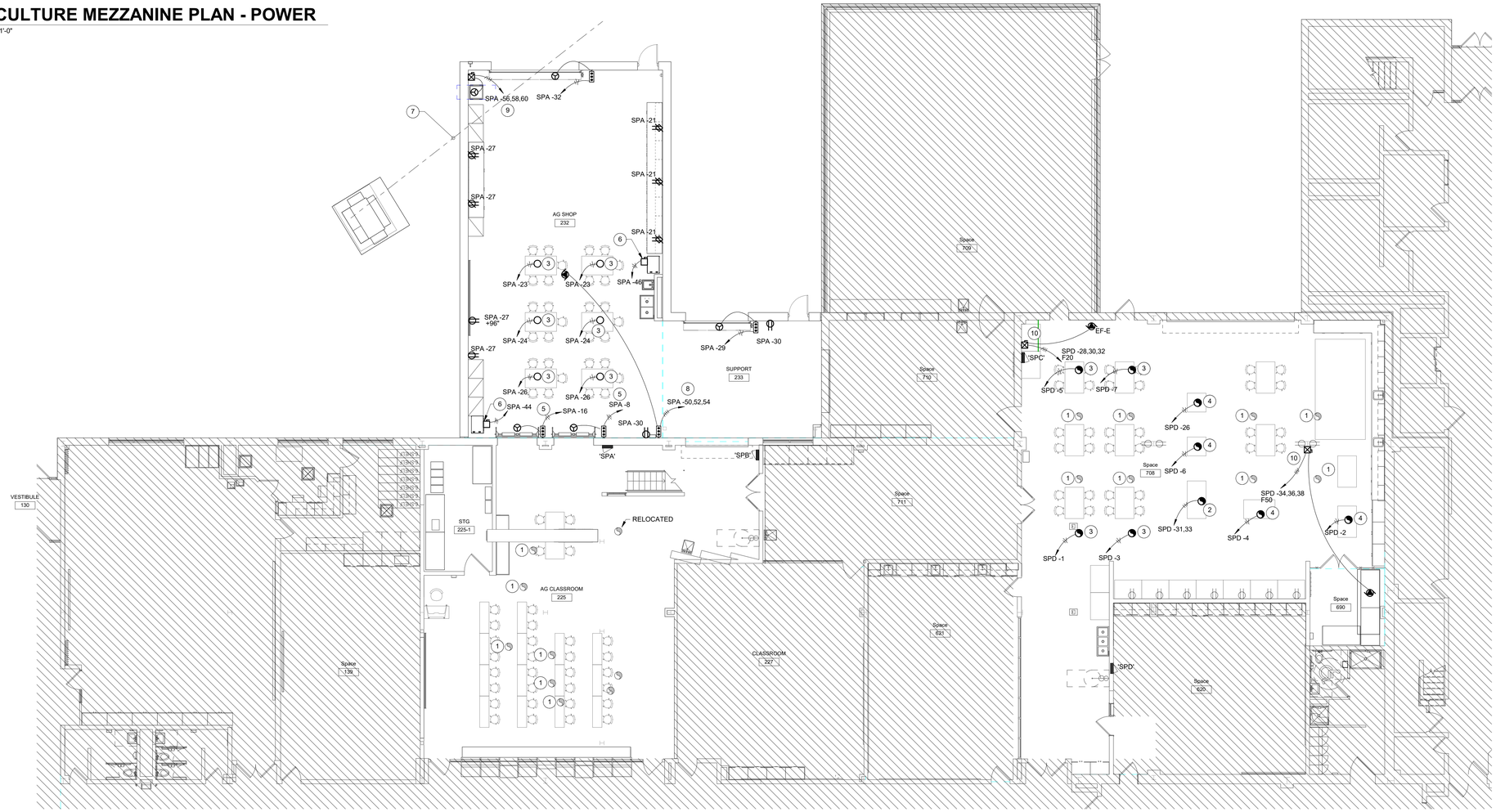
WORK TO REMAIN

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

(#) PLAN NOTES:

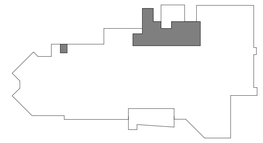
1. EXISTING CORD REEL TO REMAIN.
2. RELOCATED TABLE SAW CORD REEL.
3. PROVIDE CORD REEL WITH (2) DUPLEX RECEPTACLES MOUNT TO STRUCTURE. (HUBBELL HBL25123R220 OR SIMILAR).
4. PROVIDE CORD REEL WITH (1) DUPLEX RECEPTACLE MOUNT TO STRUCTURE. (HUBBELL HBL12502R20 OR SIMILAR).
5. PROVIDE CIRCUIT FOR MOTORIZED OVERHEAD DOOR. PROVIDE CONDUIT FROM MOTOR TO CONTROL LOCATION FOR CONTROL WIRING.
6. CONNECT TO DISCONNECT ON UNIT. (2#12, 1#12G, 3/4"C.).
7. PROTECT SOLAR MEDIUM VOLTAGE CABLE DURING CONSTRUCTION.
8. CIRCUIT FOR LARGE FAN. COORDINATE CONNECTION TO CONTROLS WITH MANUFACTURERS INSTRUCTIONS.
9. PROVIDE A 3/4HP, 208V, 3PH FVNR COMBINATION MOTOR STARTER WITH NOA CONTROL IN A NEMA 1 ENCLOSURE. COORDINATE WITH MECHANICAL SEQUENCE OF OPERATION. PROVIDE NON-FIRE ALARM STROBES, ONE INSIDE, ONE OUTSIDE TO RUN WITH FAN IS IN OPERATION. PROVIDE SPRING WOUND TIMER SWITCH.
10. PROVIDE A 2HP, 208V, 3PH. FVNR COMBINATION MOTOR STARTER WITH HOA CONTROL IN A NEMA 1 ENCLOSURE.
11. PROVIDE A 10HP, 208V, 3PH. FVNR COMBINATION MOTOR STARTER WITH HOA CONTROL IN A NEMA 1 ENCLOSURE.



AGRICULTURE FIRST FLOOR PLAN - POWER

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

NORTH



0 2 4 6 8 16 24 32

1 2 3 4

Hamilton Heights School Corporation

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

D&A #23090
R.E. Dimond and Associates, Inc.
Consulting Engineers
723 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4672
Fax: (317) 638-3725

PROJECT
HAMILTON HEIGHTS SCHOOL CORPORATION
HAMILTON HEIGHTS HIGH SCHOOL
PHASE 2 PROJECTS
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. In terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction required for the project's completion.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction required by the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	Addendum #1	2024-02-22

ISSUE DATE	DRAWN BY	CHECKED BY
02/08/2024	AJS	AJS

DRAWING TITLE:
AGRICULTURE FIRST FLOOR PLAN - POWER

CERTIFIED BY:
AARON J. SCOPP REGISTERED No. PE10504720 STATE OF INDIANA PROFESSIONAL ENGINEER
02/08/2024

DRAWING NUMBER
E212

PROJECT NUMBER
2022060

ADDENDUM

ADDENDUM NO. 01

BID PACKAGE NO. ALL

PROJECT: Hamilton Heights High School – Phase Two Projects

The information contained herein modifies the original Bidding Documents and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect, except as modified by this Addendum.

Bidders must acknowledge receipt of this Addendum on the Bid Form. Failure to acknowledge receipt of this Addendum may subject Bidder to disqualification. This addendum includes:

ATTACHMENTS

1. Pre- Bid Sign- In Sheet from 02/21/2024
2. Pre- Bid Agenda
3. 00 52 00 – SAMPLE MEYER NAJEM CONTRACT AGREEMENT

PART 1 – GENERAL INFORMATION

1.1– Pre- Bid Sign- In Sheet included from the pre bid meeting on 02/21/2024

1.2 – Pre- Bid Meeting Agenda, dated 02/21/2024

PART 2 – DIVISIONS 00 & 01

A. **Section 00 20 00 "TABLE OF CONTENTS"**

2.1 – ADD 00 52 00 – "SAMPLE MEYER NAJMEM CONTRACT AGREEMENT"

B. **Section 00 52 00 – "SAMPLE MEYER NAJEM CONTRACT AGREEMENT"**

2.2 – Section 00 52 00 had been ADDED with this addendum.

PART 3 – DRAWINGS

3.1 - N/A

END MEYER NAJEM PORTION ADDENDUM 1

MEYER NAJEM

Pre-Bid Sign-In Sheet

Project Title: Hamilton Heights High School - Phase 2 Projects

~~2/20/2024~~ 02/21/2024

	Company /Attendee Name	Contact Phone #	Contact Email
1	Mark Lusch	317-385-8711	Mark.Lusch@MEC.com
2	Matt Cole	317-223-4634	Mcole@blackmonbuckner.com
3	C-CAT: Shawn Annandale	317-902-7184	Sannandale@C-CAT.com
4	Brandon Schrock Kemna	317-832-0656	bschrock@kemnarestoration.com
5	CHRIS NEAL	317.371.5689	ESTIMATING@SCSCONSTRUCTION.NET
6	Lynette Hart	317 695 4836	lhart@csoinc.com
7	Skyline Roofing / Ben Ollestead	317-273-7663	
8	Skyline Roofing / Mike Russell	↓	
9	Steve Murphy	317-214-6300	smurphy@gaylor.com
10	Lehman Mech. / Trevor Cox	~~765~~ 617-7581	t.cox@lehmanmech.net
11	RCEF	765 618 9033	jcollins@rex.collinselectric.com
12	Rex Collins Electric	765-664-7549	mzerrien@rexcollinselectric.com
13	Jason Cox	765-452-9500	jcox@benhamerts mechanical.com
14	JACK LEITHAM	920-262-0168	jleitham@csoinc.net.
15	DREW WALTERS	317-954-5247	dwalters@jbcontractorscorp.com
16	Cozad Concrete. L.L. Francisco	765-208-7136	franciscoc@cozadconcrete.com
17			
18	SCOTT CASEY (DEMO)	317-281-6843	SCASEY@CASEYBERTRAM.COM
19			
20			
21			
22			
23			
24			

Hamilton Heights School Corporation

PRE-BID MEETING

Meeting Date: February 21st, 2024

Project: **Hamilton Heights Phase Two Projects**

INTRODUCTIONS

Owner: Hamilton Heights School Corporation
Dr. Derek Arrowood - Superintendent
Dori Hochstedler – Facility Director
Kristin McCarty – Business Manager

Architect: Brent Hite – CSO Architects
Zach Rooker – CSO Architects

Construction Manager: Jonathan Haggarty, Project Executive – Meyer Najem Construction, LLC
Skip Keltner, Director of Preconstruction – Meyer Najem Construction, LLC
Quinn Reuter, Estimator – Meyer Najem Construction, LLC
Harrison Massonne – Sr. Project Manager

BID DATE / LOCATION

Bid Date: March 12th, at 2:00pm (local time)
Deliver to: Hamilton Heights Student Activity Center
420 W. North St.
Arcadia, IN 46030

Bids will be publicly opened at this time and taken under advisement for review and recommendation by the Owner.

BIDDING REQUIREMENTS

1. **The Contractor and all subcontractors, whatever tier, whose respective contract is equal to or in excess of $300,000 shall be qualified by the Indiana Department of Administration. The Prime Bidder (Each Bid Package Submitter) is REQUIRED to submit a copy of their current IDOA Certification with the Bid.**

DESCRIPTON OF PROJECT

Base Bid:

- **+/-15,600 SF Locker Room Building**
  - CMU interior and exterior partitions
  - Steel roof structure
  - Brick, metal panel, and storefront facade

  - Building will consist of family and public restrooms, concession stands, Team Room, Training Room, Equipment Laundry and Storage Rooms, Locker Rooms, and Coaches Offices.
- **+/-2,500 SF Ag Department Renovation and Expansion**
  - Interior finish and structural modifications associated with the addition
  - CMU construction
  - Steel roof with membrane roofing
- **Grandstands, Press Box, and Site Improvements**
  - Ground- up home (and away) grandstands.
  - Press box with elevator
  - Elevator structure to be CMU construction with steel roof, brick façade, and membrane roofing.
  - New fencing for football field, pedestrian areas, and soccer fields. Reference landscaping drawings for complete scope of work
- **South Entrance and Parking Lot**
  - Substantial earthmoving required at existing location. Reference grading plan for details
  - New parking lot expansion, connected to existing.
  - South stadium entrance to match existing north entrance.
  - Ticket booths to be CMU/ structural steel construction with metal panel and brick façade.

Further description of work can be found within the bid packages and project drawings/specifications. Unless noted otherwise, each Bid Package includes all labor, material, and equipment to complete the work.

Bid Packages Currently Bidding

- Bid Package #01 – Sitework
- Bid Package #02 – Building and Site Concrete
- Bid Package #03 – Asphalt
- Bid Package #04 – Masonry
- Bid Package #05 – Steel
- Bid Package #06 – General Trades
- Bid Package #07 – Roofing
- Bid Package #08 – Metal Wall Panels
- Bid Package #09 – Metal Studs, Drywall, and Ceilings
- Bid Package #10 – Bleachers
- Bid Package #11 – Fire Protection
- Bid Package #12 – Plumbing and HVAC
- Bid Package #13 – Electrical and Low Voltage

Addenda

Scheduled to be released on or about the following dates:

Addendum #1 – to be released, Thursday, February 22nd, 2024
Addendum #2 – to be released, Tuesday, February 27th, 2024
Addendum #3 – to be released, Tuesday, March 5th, 2024
Addendum #4 if necessary – to be released, Friday, March 8th, 2024

SUBMIT WITH BID

1. Bid Envelope with Project Name, Bid Package No., and Bid Package Description on the outside of envelope.
2. Fully completed Form No. 96 (pages 1-6) – in Duplicate
3. Contractors Supplemental Bid Form (with Meyer Najem logo) – in Duplicate
    a. Complete the Alternate (Eight Total Alternates) & Addenda portion of the Bid Form (as applicable)
4. Financial Statement
5. Non-Collusion Affidavit (part of Form No. 96)
6. Certified Check or Bid Bond
7. Submit a copy of your current IDOA Certification
8. Acknowledge compliance with instituting and maintaining adequate drug policy that meets the IC 5-16-13 code.

PROJECT INFORMATION

1. Bids to be submitted in duplicate, sealed in an envelope, and delivered to the location above by the designated time. The clock in the bid opening room will be used as the "official" clock for determining when receipt of bids will be closed.
2. Bids shall be guaranteed for 60 calendar days.
3. All Prime contractors to review Divisions 00 & 01 in detail.
4. Review Section 00 89 13 Preliminary Milestone Schedule – To be issued by Addendum.
5. Review Contract Summary Section 01 12 00 with Bid Package Summary and listing of all Bid Packages
6. Bidders to be sure to review all of Divisions 00, 01 along with;
    i. Review Section 01 23 00 – Alternates
    ii. Review Section 01 50 00 – Temporary Facilities
7. Tax Exempt Project
8. Liquidated Damages: To be issued via Addendum.
9. Other paperwork required by the successful bidder includes a W-9, Escrow, contractor's contact list, schedule of values, certificate of insurance, Schedule of sub manufacturers and products, and a project schedule.
10. The awarded Prime Contractor is also required to conduct and maintain criminal history reports of its workers (inclusive all of subcontractors and suppliers of any tier) that are available to the Owner upon their request.

WORK RESTRICTIONS

1. Refer to Section 01 14 00 Work Restrictions & Hours

PROJECT SCHEDULE – Refer to Section 00 89 13 for Detailed Schedule

1. To be released via addendum

SPECIAL NOTES

1. All Hamilton Heights School Corporation facilities and properties are Tobacco, Vaping, Alcohol, and Drug Free Sites. The use of these products on the school property is prohibited and violators will be removed from the premises.

Questions – Please submit questions via email to Skip Keltner (skeltner@meyer-najem.com) or Quinn Reuter (qreuter@meyer-najem.com)

3.01 SCHEDULE OF ALTERNATES

HIGH SCHOOL OFFICE ADDITION

ALTERNATE 1: Building Addition

Base Bid: No work.

Alternate: Provide all civil, landscape, structural, architectural, mechanical, electrical, plumbing, and technology work associated with east administrative office addition.

ALTERNATE #2: Roofing Membrane

Base Bid: Fully adhered TPO membrane roof – reference Drawing 1/A121 and Specification 07 54 23.

Alternate: Fully adhered PVC membrane roof – reference Drawing 1/A121 and Specification 07 54 19.

ALTERNATE #3: Cement Stabilization Building Pad

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Earthwork for the High School Office Addition Building Pad as indicated on the drawings and specifications and as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

AGRICULTURE & OUTBUILDINGS
(Agriculture Addition Roof 2/A121, Locker Room Building Roof 1/A123OB, Elevator Shaft Roof 2/A123OB, Ticket Booth Roof 3/A123OB)

ALTERNATE #4: Roof Membrane

Base Bid: Fully adhered TPO membrane roof – reference Drawing 1/A121 and Specification 07 54 23.

Alternate: Fully adhered PVC membrane roof – reference Drawing 1/A121 and Specification 07 54 19.

ALTERNATE #5: Cement Stabilization Building Pad

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Earthwork for the Agriculture Addition & Outbuildings Building Pads *(Agriculture Addition, Locker Room Building, Elevator Shaft Structure, Ticket Booth Structures)* as indicated on the drawings and specifications and as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

ALTERNATE #6: Cement Stabilization Site Pavement Areas

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Earthwork for the Agriculture Addition & Outbuildings Site Pavement subgrade – refer to Sheets L101, L102, L103, L104 and L105 as indicated on the drawings and specifications and as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

SITE IMPROVEMENTS

ALTERNATE #7: Soccer Field Viewing Mound & Sidewalk

Base Bid: No work included in base bid.

Alternate: Additional cost to provide soccer viewing berm and concrete pad and walk as incated in L and C series sheets.

ALTERNATE #8: Soccer Viewing Mound & Sidewalk

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Soccer Viewing Mound & Sidewalk subgrade – (refer to L and C series sheets) as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

NEW HIGH SCHOOL CHILLER, PIPING, PUMPS, CONTROLS, ETC.

ALTERNATE #9: High School Chiller and Enclosure

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing new chiller, piping, pumps, controls, etc., and mechanical yard fencing as indicated in drawings.

END OF SECTION

Base Bid Site Work

Base Bid Structures

Alternate Work Areas

EXISTING BASEBALL FIELD

EXISTING TRACK & FOOTBALL / SOCCER FIELD

EXISTING HIGH SCHOOL

CICERO AVENUE

EXISTING SOFTBALL FIELD

EXISTING TENNIS COURTS

ADD ALTERNATE

EXISTING SOCCER FIELDS

North

0 30' 60' 120'

Scale 1" = 60'-0"

Hamilton Heights School Corporation

CSO
8331 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | cso.inc.net

context DESIGN
5621 Lowton Loop E. Dr. | Indianapolis, IN 46214
317-483-6920 | www.context-design.com

PROJECT:

HAMILTON HEIGHTS SCHOOL CORPORATION

HAMILTON HEIGHTS HIGH SCHOOL

PHASE 2 PROJECTS

25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

These drawings indicate the general scope of the project. In terms of architectural elements, they indicate the size of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

The Contractor shall provide all materials and labor as set forth in all work required for full performance and completion of the requirements of the Contract.

Where the word "provide" is used in the scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
02/06/2024	MA	FP

DRAWING TITLE:

OVERALL SITE PLAN

CERTIFIED BY:

CD PACKAGE NOT FOR CONSTRUCTION

DRAWING NUMBER

L100

PROJECT NUMBER

2022060

SECTION 00 52 00 – SAMPLE MEYER NAJEM CONTRACT AGREEMENT

PART 1 – GENERAL

1.1. See the attached for Meyer Najem's Sample Contract Agreement and Sample Exhibit G.

1.2. When executed, this agreement will become a part of the Contract Documents.

PART 2 – PRODUCTS (Not Applicable)

PART 3 – EXECUTION (Not Applicable)

END OF SECTION

Meyer Najem Construction, LLC

SUBCONTRACT AGREEMENT

This Subcontract Agreement (hereinafter "Subcontract") is entered into effective as of the day of by and between Meyer Najem Construction, LLC, 11787 Lantern Road, Suite 100, Fishers, IN 46038 (hereinafter "Contractor") and the "Subcontractor" identified below:

SUBCONTRACTOR	SUBCONTRACTOR REFERENCES
Tax identification number (TIN)	Project #: Commitment #: Contractor's Representative: Subcontractor's Representative: Subcontractor's Field Superintendent:

The Contractor has entered into a construction contract (hereinafter "Prime Contract") dated with the following "Owner" for the following "Project" and Architect:

OWNER	PROJECT	ARCHITECT

INDEX

ARTICLE 1: SUBCONTRACT INFORMATION

By executing this Subcontract, Contractor and Subcontractor expressly acknowledge, adopt and agree to be bound to the Subcontract Information specifically described below, with such Subcontract Information to be construed and enforced in accordance with and subject to the applicable terms and conditions of the Subcontract Documents (including, but not limited to, the specific Articles and Sections of this Subcontract as referenced below).

1.1 PROJECT REFERENCES. All correspondence, applications for payment, requests for information, submittals and other documentation delivered with respect to this Subcontract and/or the Subcontract Work, shall include the project number and commitment number as listed in the subcontractor references section above.

1.2 SCOPE OF SUBCONTRACT WORK. The scope of the Subcontract Work is generally described below and is further defined and clarified by the applicable plans, specifications and other design documents also listed below, which are hereby incorporated into and made part of this Subcontract by reference.

Refer to Exhibit E

1.2.1 EXHIBITS. Attached are any additional requirements and are listed as Exhibits:

Exhibit 'A' - Subcontractor's Safety Information
Exhibit 'B' - Request for List of Suppliers and Lower Tier Subcontractors
Exhibit 'C' - Document Enumeration
Exhibit 'D' - Schedule
Exhibit 'E' - Scope of Work

1.3 SUBCONTRACT AMOUNT. The Subcontract Amount is the **stipulated sum** of **And Xx / 100** Dollars (**$**). The Subcontract Amount shall be billed and paid in accordance with and subject to the terms and conditions of Article 7 of this Subcontract.

1.4 SUBCONTRACT TIME. Subcontractor shall perform and complete the Subcontract Work in accordance with the scheduling procedures and requirements set forth in the Subcontract Documents, including but not limited to scheduling deadlines and/or milestone dates set in this agreement.

1.5 ALTERNATES. The Subcontract Amount is based upon and the Subcontract Work shall include (or delete, as applicable), the following alternates, if any. **There _____ alternates under this Agreement.**

1.6 ALLOWANCES. The Subcontract Sum is based upon and includes the following allowances, if any, to be provided in accordance with and subject to Section 7.3 of this Subcontract. **There _____ allowances under this Agreement.**

1.7 UNIT PRICES. The Subcontract Sum is based upon and includes the following unit prices, if any, to be provided in accordance with the attached exhibit. **There _____ unit prices under this Agreement.**

1.8 TIME & MATERIAL RATES. Time & Material rates and prices, if any, to be provided in accordance with the attached schedule which is incorporated by reference and identified as an Exhibit. **There _____time & material rates under this Agreement.**

1.9 APPLICATION FOR PAYMENT /RETAINAGE. Monthly applications for payment as submitted by Subcontractor shall cover all Subcontract Work performed through and including the____ day of each month. Subcontractor shall submit its applications for payment, in accordance with Article 7, to the Contractor on or before the ____day of each month. Retainage to be withheld on Subcontractor's Applications for Payment, as referenced in Sections 7.6 and 7.8 of this Subcontract, shall be as follows: Retainage shall be ____**%** and may be different than the retainage provided for in the Prime Contract.

1.10 BONDS. To the extent bonds are required, they shall be provided in accordance with the terms and conditions of Section 8.1 of this Subcontract. **Performance Bond _____Required. Payment Bond_____ Required.**

1.11 ADDITIONAL INSUREDS/CERTIFICATE HOLDER. Subcontractor shall add, in addition to **Meyer Najem Construction, LLC**, the following parties as additional insureds to its commercial general liability, automobile and umbrella/excess policies, consistent with the terms and conditions of Section 8.3.1 of this Subcontract: **Meyer Najem, Inc.,** and others as provided by the contract documents

Meyer Najem Construction, LLC shall be listed as the Certificate Holder.

1.12 MARK-UP PERCENTAGES. The mark-up percentages for overhead and profit to be used in calculating Change Orders or in determining the amount owed under a Construction Change Directive, in accordance with Article 9, shall not exceed the following: ____% for self performed work (Materials), ____% for self performed work (Labor),____% for work of Lower Tier Subcontractors.

1.13 LIQUIDATED DAMAGES. Liquidated Damages shall be as stated in this Agreement.

1.14 TAX EXEMPT. This project _____Tax Exempt Owner is a nonprofit organization and is therefore exempt from state sales tax. Subcontractor shall take all steps necessary to assure that the savings derived from said sales tax exemption accrue to the Owner. Items not included in this sales tax exemption are those items consumed during construction and which do not become incorporated into real property such as temporary utilities, machinery, tools, forms, supplies, equipment (other than certain public safety equipment), and other items. For more information please refer to Indiana Information Bulletin #60.

ARTICLE 2: DEFINITIONS

2.1 "Architect" shall mean the architect or engineer retained to provide professional design and/or construction administration services for the Project, as identified in the preamble set forth above.

2.2 "Contractor" shall mean Meyer Najem Construction LLC, as identified in the preamble set forth above.

2.3 "Lower Tier Subcontractors" shall mean all sub-subcontractors, suppliers, vendors, manufacturers, installers and other persons and entities who are retained by Subcontractor to provide or perform portions of the Subcontract Work, or any other person or entity that Subcontractor is otherwise responsible for with respect to the Project.

2.4 "Modification" shall mean a Change Order or other written agreement executed by both Parties subsequent to this Subcontract, or a Construction Change Directive issued by the Contractor subsequent to this Subcontract. As to the Prime Contract, "Modification" shall mean a Change Order or other written agreement executed by the Owner and Contractor subsequent to the execution of the Prime Contract or a Construction Change Directive (if applicable) issued by the Owner subsequent to execution of the Prime Contract.

2.5 "Owner" shall mean the person or entity with whom the Contractor has signed a Prime Contract with respect to the Project, as identified in the preamble set forth above.

2.6 "Parties" shall collectively refer to both the Contractor and the Subcontractor.

2.7 "Prime Contract" shall mean the agreement between the Owner and Contractor for the Project, including all Exhibits attached thereto and all other documents which are referenced, incorporated and/or defined therein to be "Contract Documents" for the Project.

2.8 "Project" shall mean the construction project for which the Owner and Contractor have executed the Prime Contract, as identified in the preamble set forth above.

2.9 "Subcontract" shall mean this Subcontract Agreement between Contractor and Subcontractor and including all other documents which are referenced, incorporated and/or defined herein to be Subcontract Documents.

2.10 "Subcontract Amount" shall refer to the compensation to be paid by Contractor to the Subcontractor for the proper performance of the Subcontract Work, in the amount as set forth in Section 1.3 and subject to the terms and conditions of Article 7.

2.11 "Subcontract Documents" shall mean all documents described in Article 3 of this Subcontract, which identify and define the scope of the Subcontract Work and other rights, duties and obligations of the Parties.

2.12 "Subcontract Time" shall refer to the period of time in which Subcontractor is to perform and properly complete the Subcontract Work, as described in Section 1.4 and subject to the terms and conditions of Article 6.

2.13 "Subcontract Work" shall mean the labor, materials, equipment, products and all other goods and services which Subcontractor is obligated to perform on the Project, pursuant to the terms and conditions of this Subcontract and the Subcontract Documents.

2.14 "Subcontractor" shall mean the person or entity identified in the preamble set forth above and who executes this Subcontract in that capacity.

2.15 "Substantial Completion" or "Substantially Complete" shall mean the stage in the progress of the Subcontract Work, or a designated portion thereof, where Contractor, Architect and Owner all agree that it is sufficiently complete in accordance with the Subcontract Documents, so that the Owner can and does occupy or utilize the Subcontract Work for its intended use.

2.16 "Work" shall mean the labor, supervision, materials, equipment, products and all other goods and services which Contractor is obligated to perform on the Project, pursuant to the terms and conditions of the Prime Contract. The Work may cover all the construction required for the Project, or only a portion thereof.

ARTICLE 3: SUBCONTRACT DOCUMENTS

3.1 The Subcontract Documents establish the scope of the Subcontract Work and the rights, duties and obligations of the Parties for the Project. The Subcontract Documents consist of: this Subcontract and all documents referenced, incorporated and/or defined herein, including all Exhibits hereto; the Prime Contract for the Project, including all "Contract Documents" as referenced, incorporated and/or defined therein; Modifications to the Prime Contract agreed to by Contractor and Owner (whether before or after execution of this Subcontract); Modifications to this Subcontract issued after execution of this agreement; and all documents referenced in Section 1.2 of this Subcontract - Scope of Subcontract Work. The Subcontract Documents include, without limitation: general, supplementary and other conditions of this Subcontract and/or the Prime Contract; all drawings, plans, specifications and project manuals developed for and applicable to the Project; accepted alternates for the Project; all addenda issued for the Project prior to execution of this Subcontract; and all milestone dates and schedules developed for and applicable to the Project. The Subcontract Documents are complementary and are to be read together in establishing the scope of the Subcontract Work and in defining the rights, duties and obligations of the Parties. However, if there are direct conflicts between this Subcontract (including the Exhibits hereto) and any other Subcontract Document in existence as of the date this Subcontract is executed, the terms and conditions set forth in this Subcontract (including the Exhibits hereto) shall take precedence over the other Subcontract Documents, but only to the extent of such direct conflict. Modifications issued after execution of this Subcontract shall, to the extent of any conflict with the existing Subcontract Documents, take precedence and control. This Subcontract and the Subcontract Documents may be amended only by a Modification.

3.2 Contractor has previously and shall hereafter make the Subcontract Documents available to the Subcontractor upon request, but Contractor may delete compensation terms as between Owner and Contractor and may charge Subcontractor for the reasonable cost of reproduction. The Subcontract Documents shall not be construed to create a contractual relationship of any kind between (1) the Architect and the Subcontractor, (2) Owner and the Subcontractor or (3) any persons or entities other than the Contractor and Subcontractor.

3.3 Subcontractor agrees to be bound to Contractor by all of the terms and conditions of the Subcontract Documents and, with respect to the Subcontract Work, shall assume toward Contractor all duties, obligations and responsibilities that Contractor has assumed toward the Owner with respect to the Project. Contractor shall have the benefit of all rights, remedies and redress against Subcontractor that the Owner has against Contractor. Subcontractor shall include in all its written agreements with Lower Tier Subcontractors, a provision requiring that the Lower Tier Subcontractors shall be bound and shall assume toward the Subcontractor and Contractor all the duties and obligations which the Subcontractor has assumed towards the Contractor. Without limiting the obligations assumed by the Subcontractor set forth above, if and to the extent Contractor has assumed toward the Owner any obligations or responsibilities regarding a sustainability plan or building information modeling (including any scope or element thereof or pursuant to any building information modeling protocol), Subcontractor shall, as to the Subcontract Work and its performance under this Subcontract, assume toward the Contractor identical obligations with respect to the sustainability plan and/or building modeling information.

3.4 Contractor may render interpretations and decisions concerning the proper execution or progress of the Subcontract Work and such interpretation, made in reference to one or more terms or provisions of the Subcontract Documents, shall resolve and take precedence over any ambiguity or other inconsistency within, between or among the Subcontract Documents.

3.5 The Subcontractor shall keep at the Project site, for the Contractor's ready reference, one up-to-date copy of the Subcontract Documents in good order and marked currently to record all changes made during construction. At completion of the Subcontract Work for the Project, Subcontractor shall deliver to the Contractor as-built drawings (both in hard copy and electronic format) showing final completion of the Subcontract Work for the Project and all changes made during construction of the Subcontract Work.

3.6 The minimum quality and fitness of materials, equipment, products and workmanship applicable to the Subcontract Work shall conform to and be consistent with the quality levels established by the Subcontract Documents. The Subcontract Documents shall be deemed to include and require all items and aspects of labor, material, equipment, products, transportation and other goods and services which are reasonably inferable from the Subcontract Documents as incidental to the proper execution and completion of the Subcontract Work and as necessary to produce the intended results, even if not specifically shown.

ARTICLE 4: CONTRACTOR

4.1 During the term of this Subcontract, Contractor shall confer with Subcontractor regarding scheduling of the Work and the Subcontract Work and shall provide Subcontractor copies of the Contractor's master construction schedule and schedule for submittals, together with such additional scheduling detail as will enable Subcontractor to plan and perform the Subcontract Work. Contractor shall promptly notify Subcontractor of subsequent changes in the construction and submittal schedules and other scheduling details, if and to the extent such changes occur during the term of this Subcontract and affect the Subcontract Work.

4.2 Unless otherwise stated in the Subcontract Documents, Contractor shall identify designated areas within the Project site for storage and staging of Subcontractor's materials and equipment during the course of the Subcontract Work, including identifying any limitations or other restrictions applicable thereto. Contractor shall also provide reasonable notice to Subcontractor if, over the course

of the Subcontract Work and due to progress and/or other developments on the Project, the storage and staging area needs to be relocated, otherwise reconfigured or if there are any changes to the limitations or restrictions applicable thereto. Subcontractor shall comply with all directions, limitations and/or restrictions issued by the Contractor with respect to designated areas for storing or staging of Subcontractor's materials and equipment.

4.3 Contractor shall promptly make available to Subcontractor information, including information received from the Owner or Architect, that affects the Subcontract Work and that becomes available to Contractor subsequent to execution of this Subcontract.

4.4 Contractor shall not give instructions or other orders directly to Subcontractor's employees or to the employees of its Lower Tier Subcontractors, unless such persons are designated as authorized representatives of the Subcontractor or if, in the reasonable opinion of Contractor, such instructions are required to avoid immediate damage or danger to persons or property. Contractor shall not, however, be responsible for or owe any duty to Subcontractor to monitor the Subcontract Work for the purpose of identifying possible acts or omissions of the Subcontractor or its Lower Tier Subcontractors which could result in damage or danger, as that responsibility rests solely with the Subcontractor.

4.5 If Contractor asserts or defends a claim against the Owner that relates to the Subcontractor and/or the Subcontract Work, Contractor shall promptly make available to Subcontractor information relating to such claim or defense. During the pendency of the claim or defense with the Owner, Subcontractor shall provide to Contractor all information and documentation in its possession relevant to such claim or defense and shall confer with the Contractor, including making its personnel and the personnel of its Lower Tier Subcontractors available for consultation with the Contractor, all at Subcontractor's expense and without claim against Contractor. By asserting such claim or defense against the Owner, Contract does not waive any rights, claims or defenses which it may have against the Subcontractor. To the contrary, Contractor reserves all its rights, claims and defenses against Subcontractor with respect to such matters, which Contractor may pursue or assert against Subcontractor either during the pendency of such claim or defense with the Owner, or once the claim or defense with the Owner has been concluded.

ARTICLE 5: SUBCONTRACTOR

5.1 Subcontractor represents that it has the experience, qualifications and expertise to undertake and properly complete the Subcontract Work, consistent with the workmanship and quality standards applicable to the Project. Subcontractor further commits that it shall perform all Subcontract Work in a proper and workmanlike manner, consistent with all terms and conditions of the Subcontract Documents to the satisfaction of the Contractor, Architect and Owner. Subcontractor shall also give all notices and comply with all laws, statutes, codes, ordinances, rules, regulations and other requirements established by governmental entities or regulatory agencies which have jurisdiction over the Project and which are applicable to the Subcontract Work. Upon request of Contractor, current financial qualification form must be completed by Subcontractor on an annual basis and submitted to the Contractor for review in order to ensure that the Subcontractor has adequate financial resources to perform and complete its obligations under this agreement and otherwise.

5.2 Subcontractor shall be responsible to Contractor for the acts, omissions and/or conduct of its employees, agents and representatives, the acts, omissions and/or conduct of its Lower Tier Subcontractors (including their employees, agents and representatives) and for all labor, materials, equipment, products and other goods and services performed and/or provided as part of the Subcontract Work. Subcontractor shall be responsible for the means, methods, techniques, sequences and procedures necessary to undertake and complete the Subcontract Work, including all safety precautions, procedures and requirements applicable thereto.

5.3 Subcontractor represents that prior to executing this Subcontract it carefully studied and compared the Subcontract Documents with each other and with all other information provided or otherwise available to the Subcontractor regarding the Project. Subcontractor also represents that prior to executing this Subcontract it reported to the Contractor errors, omissions or inconsistencies observed or discovered in the Subcontract Documents, if any, and questions or concerns of the Subcontractor relating to the design or construction of the Project, if any. To the extent Subcontractor previously identified any errors, omissions, inconsistencies, questions or concerns, Subcontractor confirms that those items were answered or otherwise resolved to the satisfaction of the Subcontractor. Subcontractor hereby acknowledges that the Subcontract Documents are suitable for the Subcontract Work, sufficient for their intended purpose and enable Subcontractor to properly perform and timely complete the Subcontract Work, without claim for an increase to the Subcontract Amount or an extension to the Subcontract Time.

5.4 Subcontractor represents that it has inspected the site, verified field conditions applicable to the Subcontract Work and fully acquainted itself with the characteristics and other conditions which will apply to the Subcontract Work, including, but not restricted to, those bearing upon transportation, disposal, handling and storage of materials, availability of water, electric power, roads, other forms of access, physical conditions of the site, the character, quality and content of surface and subsurface materials, obstacles and other conditions which may be encountered, the type and quantity of machinery, equipment and facilities needed to undertake and complete the Subcontract Work and the uncertainty of weather that could affect the Subcontract Work.

5.5 Notwithstanding the dimensions given on the plans, specifications and other Subcontract Documents, it shall be the obligation and responsibility of Subcontractor to take such field measurements to ensure the proper matching and fitting of all items and components of the Subcontract Work and also with contiguous work of others. Subcontractor shall verify measurements, lines and grades of existing conditions and structures at the site and, when indicated dimensions are not in agreement with field measurements, shall notify the Contractor immediately, in writing, requesting clarification. Subcontractor is responsible for its own layout and for the protection and preservation of all installed engineering data and layout points and shall take all necessary precautions to insure that said data or layout points are not damaged, destroyed, altered or changed. Re-engineering, if required, shall be performed at Subcontractor's expense. Subcontractor shall be responsible for all cutting and patching required in the prosecution of the Subcontract Work. If during performance of the Subcontract Work, Subcontractor discovers or has any concern as to the design of the Project, the requirements of the Subcontract Documents, the condition of the Project site or the work performed by others, Subcontractor shall give immediate written notice to the Contractor, including providing all available information relating to its discovery or concern. If Subcontractor knows or suspects, or in the discharge of its obligations to the Contractor reasonably should of known, that an error, omission or inconsistency exists in the Subcontract Documents or a question or concern exists relating to the site or work performed

by others, but Subcontractor proceeds with the Subcontract Work without first providing Contractor written notice thereof, Subcontractor waives any claim as to the sufficiency of the Subcontract Documents, the condition of the site and/or the work previously performed and Subcontractor shall assume appropriate reasonability for damages, claims or expenses thereafter incurred, including bearing all costs for correction that could have been avoided had timely and proper notice of such items been provided by Subcontractor.

5.6 Subcontractor shall coordinate and schedule the Subcontract Work on the Project to insure it is undertaken and completed as an integrated whole with the Work of Contractor and all other portions of the Project performed by other subcontractors and contractors. Any labor, materials, equipment, machinery or services necessary to accomplish such integration shall be undertaken by Subcontractor as part of the Subcontract Work and at no additional cost to Contractor.

5.7 Subcontractor's workmanship, materials, submissions, and samples shall be subject to the approval of Contractor, Owner and Architect, but such approval, if and when given, shall neither relieve Subcontractor of its obligations under the Subcontract Documents nor in any manner reduce, limit or mitigate its liability to Contractor, should it thereafter be determined that Subcontractor failed to perform in accordance with the requirements of the Subcontract Documents.

5.8 Subcontractor shall be responsible for unloading and hoisting all of its materials, supplies, tools, machinery and equipment in order to ensure proper and timely completion of the Subcontract Work. Subcontractor shall provide all temporary facilities and services necessary to complete the Subcontract Work in accordance with the Subcontract Documents and as required by weather and other work conditions at the Project site. Contractor's construction tools and equipment located at the Project site will be available for use by Subcontractor or its Lower Tier Subcontractors only at Contractor's discretion and on mutually satisfactory terms. Subcontractor acknowledges and agrees that when Contractor makes its construction tools and equipment available for use by Subcontractor or its Lower Tier Subcontractors, such items are provided "AS IS" and without any express or implied warranties or other representations. Whenever Subcontractor or its Lower Tier Subcontractors use construction tools or equipment of the Contractor, Subcontractor agrees to release, defend, indemnify and hold harmless the Contractor and its officers, employees, agents and representatives from and against all liability, damages, claims and causes of action for injuries or death to persons, damages to property and any and all other costs and expenses, including attorneys' fees, caused in whole or in part by the use of such construction tools or equipment by Subcontractor or its Lower Tier Subcontractors and regardless of whether or not such claim or cause of action is caused in part by a party indemnified hereunder.

5.9 Subcontractor shall not assign or transfer this Subcontract, any part thereof, or amounts due or to become due hereunder, without the written consent of Contractor. Subcontractor shall provide prior written notice to Contractor of its intent to subcontract any portion of the Subcontract Work, by submittal of the list of Lower Tier Subcontractors as required by Section 7.4, the monthly Updated List of Lower Tier Subcontractors as required by Section 7.8 or by other written notice. If Contractor objects to any proposed Lower Tier Subcontractor, it shall so advise the Subcontractor in writing and within fifteen (15) days of receiving the first list which identifies the proposed Lower Tier Subcontractor, explaining the basis for Contractor's objection. Subcontractor shall not enter into a lower tier subcontract with any person or entity to whom Contractor has asserted a timely and reasonable objection.

5.10 Subcontractor shall pay for all materials, equipment and labor used in connection with the performance of the Subcontract Work through the period covered by previous payments received from Contractor and shall furnish satisfactory evidence, when requested by Contractor, to verify compliance with the above requirement. Subcontractor's obligation shall include, but not be limited to, proper and timely payment to its employees and to all its Lower Tier Subcontractors, including payment of all wages, taxes, contributions and/or other benefits to which its employees and its Lower Tier Subcontractors are entitled under all wage and hour laws, social security laws, workers compensation statutes, health and welfare plans, Davis Bacon Act or common/prevailing wage rates (if applicable to the Project) and all other taxes, contributions, benefits or premiums which are payable by operation of law or contract applicable to the Subcontract Work. In the event that any employee, agent or representative of the Subcontractor, any Lower Tier Subcontractor (or its employees, agents or representatives) or any other person or entity for whom Subcontractor is responsible, asserts a mechanic's lien, personal liability notice or other payment claim against the Owner, Contractor and/or the Project, or should any other payment claims be asserted against Contractor, Owner and/or the Project arising out of or in any way related to the Subcontract Work (including but not limited to claims by workers, unions or governmental bodies relating to alleged violations by Subcontractor or its Lower Tier Subcontractors of wage and hour laws, the Davis Bacon Act or common/prevailing wage rates and requirements, if applicable) the Subcontractor shall promptly resolve such lien or claim including, if necessary, bonding such lien off the Project in accordance with applicable law. Subcontractor shall also defend, indemnify and hold harmless the Contractor, Owner and the Project from all losses, damages or costs, including reasonable attorneys' fees, incurred in connection with any such payment claim or lien. Notwithstanding the above, Subcontractor shall not be obligated to indemnify, defend and hold harmless the Contractor, Owner and the Project if such mechanics lien, personal liability notice or other payment claim arises as a result of the Contractor's unjustified failure to make payments actually received from the Owner under the Prime Contract, as such payments become due under this Subcontract, or as a result of the Owner's failure to make payment to Contractor under the Prime Contract. For the avoidance of doubt and consistent with Section 7.6, Subcontractor specifically acknowledges and agrees that Contractor has no obligation to make payment to Subcontractor, unless and until Contractor receives payment from the Owner, and that payment by the Owner to Contractor is a condition precedent to any payment obligation by Contractor to Subcontractor.

5.11 In the event it appears to Contractor that the materials, equipment and/or labor incurred in the performance of the Subcontract Work are not being timely or properly paid by the Subcontractor, Contractor may, in its discretion, take steps it deems appropriate to address such payment issues, including withholding of appropriate payment from the Subcontractor and/or the issuing of joint checks to the Subcontractor and its appropriate Lower Tier Subcontractors or the issuance of direct payments to the appropriate Lower Tier Subcontractors. Joint checks and/or direct payments when made by the Contractor shall constitute payments to the Subcontractor under this Subcontract and shall be applied against and reduce the Subcontract Amount. Contractor does not, however, have any obligation to ensure the payment of Lower Tier Subcontractors, except as required by law, and Contractor's decision of whether or not to issue joint checks or direct payments shall not give rise to any duty or obligation of the Contractor to the Lower Tier Subcontractors.

5.12 To the fullest extent permitted by law, Subcontractor shall indemnify, defend and hold harmless Contractor, Owner and their

respective officers, directors, agents and employees ("Indemnitees") from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, arising out of or resulting from the performance of the Subcontract Work, provided that any such claim, damage, loss, or expense: is attributable to bodily injury, sickness, disease, or death or injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom; is caused in whole or in part by any negligent or other act or omission of Subcontractor, its Lower Tier Subcontractors, anyone directly or indirectly employed by them or anyone for whose acts the Subcontractor may be liable; and regardless of whether it is caused, in part, by any negligent or other act or omission of one or more Indemnitees. In any and all claims against Indemnitees by any employee of Subcontractor (or by an employee of its Lower Tier Subcontractors), the indemnification obligation under this section shall not in any manner be limited by any limitation on the amount or type of damages, compensation or benefits payable by or for Subcontractor (or by or for its Lower Tier Subcontractors) under worker's compensation acts, disability benefit acts or other employee benefit acts.

5.13 Subcontractor shall, on a daily basis, clean up and haul off the premises, or to a place on the premises specifically designated by Contractor, all debris occasioned by the Subcontract Work. Any trash, debris or liquid that poses a possible threat of fire or other safety hazard shall be removed from the premises immediately. Upon completion of the Subcontract Work, Subcontractor shall leave the Project and premises clean and free of equipment, machinery, materials, temporary facilities and debris and shall clean all areas and finishes which are part of the Subcontract Work to a level appropriate for the Owners occupancy and use thereof and as otherwise required by the Subcontract Documents. If after 24 hours notice by Contractor to Subcontractor, Subcontractor has not diligently proceeded with clean-up as outlined in this Section, Contractor may proceed with such clean-up work and back charge Subcontractor for all costs and expenses incurred, including a ten percent (10%) mark up to cover Contractor's overhead and profit.

5.14 Subcontractor shall submit to Contractor, within fifteen (15) days after execution of the Subcontract (or as otherwise scheduled or prescribed by the Subcontract Documents), a proposed schedule for the submittal of shop drawings, data, catalog cuts, samples and other appropriate submittals (collectively "Submittals") applicable to the Subcontract Work, which schedule shall be subject to Contractor's review and approval. Once the schedule is approved by the Contractor, all Submittals by Subcontractor and its Lower Tier Subcontractors shall proceed in accordance therewith and consistent with the requirements of the Subcontract Documents. By approving and transmitting its Submittals to Contractor, Subcontractor represents that it has determined and verified materials, field measurements and field conditions related thereto and has checked and coordinated the information contained within such Submittals with the requirements of the Subcontract Work and the Subcontract Documents. Subcontractor shall not perform any portion of the Subcontract Work for which the Subcontract Documents require the delivery, review and/or approval of Submittals, until all such requirements of the Subcontract Documents are satisfied. Review and/or approval of Submittals by Contractor and/or Architect shall not relieve Subcontractor of its obligation to perform the Subcontract Work in strict accordance with the Subcontract Documents, nor of its responsibility for the proper matching and fitting of the Subcontract Work with contiguous work, unless Subcontractor specifically informed the Contractor, in writing, of a proposed deviation at the time of the Submittal and the Contractor has given written approval for the deviation in a Change Order.

5.15 Subcontractor shall pay all royalties and defend any suit or proceeding brought against Contractor, Owner or Architect based on a claim that any machinery, material, equipment, product or any part thereof, or software furnished under this Subcontract, constitutes an infringement in its normal intended use of any patent or other intellectual property right.

5.16 The Subcontractor shall limit its use of the Project site to areas defined by Contractor and to the construction limits for the Subcontract Work and storage, so as not to disrupt or interfere with the Contractor, other contractors or subcontractors and third parties. Subcontractor shall assume full responsibility for the protection and safekeeping of materials, machinery and products provided under the Subcontract and stored on the site, or elsewhere, during fabrication, storage and shipping. Subcontractor shall, at no cost to Contractor, move any products stored on-site which interfere with operations of the Contractor, or other contractors or subcontractors, as directed by Contractor.

5.17 If the Contractor determines that any portion of the Subcontract Work requires special inspection, testing, or approval, Contractor may perform or order Subcontractor to perform such special inspection, testing or approval. If such special inspection or testing reveals a failure of the Subcontract Work to comply with the requirements of the Subcontract Documents, Subcontractor shall bear all costs of the inspection and testing, by deductive Change Order or direct reimbursement to Contractor as appropriate, and Subcontractor shall proceed at its costs to correct the defect or deficiency discovered. If such special inspection or testing confirms that the Subcontract Work complies with the Subcontract Documents, Contractor shall be responsible for the costs of the inspection and testing.

5.18 The authorized Subcontractor's Representative and its Field Superintendent for the Project shall be the Subcontractor References on Page 1 of the Subcontract. To the extent Subcontractor's Representative and/or its Field Superintendent are not specifically identified on Page 1 of the Subcontract at the time this Subcontract is executed, the individuals subsequently designated shall have sufficient training, background and experience to efficiently and effectively discharge their responsibilities and shall be subject to Contractor's review and approval. Subcontractor's Representative and Field Superintendent, as currently designated or as hereafter selected by the Subcontractor and approved by Contractor, shall not be removed from the Project or otherwise reassigned unless approved in advance by Contractor, or unless such individuals leave the employment of the Subcontractor or are unable to discharge their obligations due to health conditions or other physical or mental impairment. In the event a new Subcontractor's Representative or Field Superintendent needs to be appointed, he or she shall possess comparable training, background and experience to the individual being replaced and shall be subject to Contractor's review and approval. Subcontractor shall maintain at the Project site, adequate, experienced and cooperative supervisory personnel, acceptable and satisfactory to Contractor, including but not limited to the Field Superintendent, during all times that Subcontract Work is being performed. Subcontractor shall not employ workers, materials, machinery or equipment which may cause strikes, work stoppages, sympathy strikes or any other interruption of or interference with any portion of the Work. Subcontractor agrees that its employees, agents and Lower Tier Subcontractors shall work in harmony with the Contractor and all other contractors, subcontractors and their employees, agents, sub-subcontractors and suppliers in the interest of timely and orderly completion of the Project.

5.19 Subcontractor shall prepare and submit periodic work reports and other documentation as Contractor may require for the Project.

A representative of Subcontractor shall attend all meetings scheduled by Contractor or other third parties for the purpose of reviewing, reporting on, scheduling and coordinating activities on the Project. The representative attending any such meeting on behalf of Subcontractor shall have the authority to bind Subcontractor with respect to all matters discussed and agreed during such meetings.

5.20 When Subcontractor believes that the Subcontract Work, or a designated portion thereof, is Substantially Complete, Subcontractor shall notify the Contractor, in writing, and shall also provide a written punch list of the remaining items of the Subcontract Work still to be completed or corrected by Subcontractor. Contractor shall have the right (individually or in conjunction with the Owner and/or Architect) to then inspect the Subcontract Work to determine whether it is Substantially Complete and to add to the punch list any additional incomplete or defective items of Subcontract Work discovered during the inspection. Following such inspection, Contractor shall advise Subcontractor whether or not the Subcontract Work has been found to be Substantially Complete. If it is determined that Substantial Completion has not been achieved, Subcontractor shall promptly correct or complete all outstanding items which are necessary for Substantial Completion and, thereafter, the process for notice and review shall then be repeated. Subcontractor shall be responsible for expenses, claims or damages incurred as a result of the Contractor, Architect and/or Owner having to conduct multiple inspections to determine Substantial Completion. When the Subcontract Work has been found to be Substantially Complete, Contractor shall so advise Subcontractor who shall promptly proceed to correct and/or complete all items listed on the revised punch list. Contractor shall, in addition to other retainage rights under the Subcontract Documents, have the right to retain two hundred percent (200%) of the estimated costs to correct or complete each punch list item, which retained amounts will be paid on a monthly basis as such items are resolved to the satisfaction of Contractor and subject to Contractor's receipt of payment from the Owner as set forth in Section 7.6 of this Subcontract.

ARTICLE 6: COMMENCEMENT, PROSECUTION AND COMPLETION OF SUBCONTRACT WORK

6.1 Time is of the essence with respect to this Subcontract, the Subcontract Work and the Project as a whole. By executing this Subcontract, Subcontractor agrees to complete the Subcontract Work within the times and sequences set forth in the Subcontract Documents and represents that it has taken into consideration and made allowances for hindrances, delays and adverse working conditions which are or may be incident to the Subcontract Work.

6.2 To foster the expeditious and efficient construction of the Project, Contractor shall develop a master schedule to coordinate and schedule the Work of the Contractor, the Subcontract Work and the work of other subcontractors with respect to the Project as a whole. The master schedule shall also address, as necessary and appropriate, the scheduling and interfacing of work in one of more areas, phases or types of work on the Project. Subcontractor shall provide Contractor with all relevant information regarding the Subcontract Work and shall cooperate with the Contractor, other subcontractors, the Owner and separate contractors whose work interfaces with the Subcontract Work. Subcontractor shall participate in the preparation of coordinated drawings in areas of congestion, specifically noting and advising Contractor of potential conflicts between the work of others and the Subcontract Work. Subcontractor shall also confer, participate and cooperate with Contractor, regarding the times, durations and sequences required for the Subcontract Work, in coordination with the other Work being performed on the Project. Subcontractor shall commence and prosecute the Subcontract Work and provide its labor, materials and equipment in sufficient time and quantity so as to adhere to the master schedule, including any revisions thereto, and so as not to hinder or delay the work of Contractor or other subcontractors. Subcontractor acknowledges that revisions may be required to the master schedule and agrees to make no claim for acceleration or delay by reason of such revisions, so long as such revisions are of the type typically encountered on projects of similar scope and complexity. Subcontractor shall continuously monitor the construction schedule and advise Contractor of the status of Subcontractor's progress in respect to the master schedule at any time Contractor requests. Contractor, Owner and Architect shall have free and open access to the Subcontract Work performed on site of the Project and to any other location where any part of the Subcontract Work may be fabricated or assembled. Contractor, Owner and Architect may observe, test and inspect any element of the Subcontract Work during the course of construction, fabrication or assembly. Subcontractor shall fully cooperate in connection with all such observations, tests and inspections. Subcontractor shall also afford Contractor, its separate subcontractors and suppliers and other contractors reasonable opportunity for introduction and storage of their materials and equipment and for execution of their work.

6.3 In the event Subcontractor or its Lower Tier Subcontractors fail to proceed in accordance with the master schedule applicable to the Subcontract Work, including revisions thereto, Subcontractor shall, at its cost and without additional compensation, add personnel, work overtime and/or add shift work as necessary and until the Subcontract Work is once again compliant with the master schedule.

6.4 If Subcontractor refuses or neglects to supply adequate and competent supervision, a sufficient number of properly skilled workmen, the proper quality or quantity of materials, equipment or products, fails in any other respect to prosecute the Subcontract Work with promptness and diligence or fails to properly perform or fulfill any other obligations required by the Subcontract Documents, Contractor may, after giving 48 hours written notice to Subcontractor and Subcontractor's failure to cure such default during that period, provide any such labor, materials, equipment or products and take such other action as Contractor may, in its discretion, deem advisable, necessary or expedient to correct or otherwise address Subcontractor's failure to properly perform. Such action by Contractor shall be without prejudice to any other right or remedy Contractor may then possess as against Subcontractor. Contractor shall have the right to set off and/or deduct from any amounts due or thereafter to become due from Contractor to Subcontractor (whether under this Subcontract or otherwise), all costs and expenses so incurred by Contractor, which shall include a reasonable allowance for Contractor's overhead and profit. If the total of such costs and expenses incurred by Contractor exceed the amounts which would otherwise then or thereafter become due from Contractor to Subcontractor (whether under this Subcontract or otherwise), the Subcontractor shall pay the difference to the Contractor. Contractor's right to perform such Work, as set forth herein, shall not give rise to any obligation or duty on the part of Contractor to exercise such right for the benefit of Subcontractor or its Lower Tier Subcontractors.

6.5 If Subcontractor and/or its Lower Tier Subcontractors are responsible for any delay or deviation in the prosecution or completion of the Subcontract Work as compared to the most current master schedule, or cause a disruption of any sequence, duration or scheduled work activity of Contractor, other subcontractors, contractors, Architect or Owner, Subcontractor shall be responsible for all costs and damages suffered as a result of such delay or disruption including, without limitation: any actual or liquidated damages assessed against Contractor by the Owner; any claims for additional services or delay damages asserted by the Architect or by other

subcontractors, contractors or other persons or entities providing work or services on the Project; any costs or expenses expended by the Contractor in an effort to address or mitigate such delay or disruption; and all other costs, expenses or damages incurred by Contractor arising out of or relating to Subcontractor's delay or disruption. In the event that any such delay or disruption is caused by the acts, omissions or neglect of the Subcontractor (including the acts or omissions of its Lower Tier Subcontractors) and the concurrent acts, omissions or neglect of Contractor, the Owner, Architect or other contractors, subcontractors or third parties, Subcontractor shall be responsible for its appropriate share of the damages suffered, incurred by or assessed against Contractor, including actual and/or liquidated damages, in proportion to the Subcontractor's share of fault in causing such delay or disruption.

6.6 In the event Subcontractor's performance of the Subcontract Work is delayed, suspended, hindered or disrupted beyond what is normally experienced on projects of similar scope and complexity and without fault or neglect of Subcontractor or those for whom Subcontractor is responsible, Subcontractor shall, within five (5) days of the commencement of such delay, notify the Contractor, in writing, explaining the cause of the delay and its anticipated impact on the Subcontract Work. Failure of Subcontractor to provide such timely written notice shall constitute a waiver of any and all claims by Subcontractor with respect to such delay. Subcontractor shall confer and cooperate with the Contractor to discuss and evaluate options to avoid or mitigate the effect of such delays and Subcontractor shall proceed with directions as provided by the Contractor. If timely and proper notice has been provided, if the delay cannot be avoided, if the Subcontractor and its Lower Tier Subcontractors are without fault with respect to such delay, and if Contractor receives an extension of time from the Owner, Subcontractor shall also be entitled to an extension of time, but only to the extent of and consistent with the extension granted by Owner, and not to exceed the actual impact which the delay or disruption has on the critical path schedule for the Subcontract Work. Owner's grant of an extension of time to Contractor shall be a condition precedent to any extension of time being granted to the Subcontractor. The extension of time shall constitute Subcontractor's sole and exclusive remedy with respect to such delay. Subcontractor acknowledges and agrees that it assumes the monetary risk which may be occasioned by such delay and it shall not be entitled to claim or to recover any increase in the Subcontract Amount or any damages or additional compensation of any type whatsoever, as a consequence of any such delays, suspensions, hindrances or disturbances, whether or not contemplated by the Parties and regardless of the severity or duration thereof.

6.7 If the Subcontract Work is in compliance with the current master schedule, yet Contractor schedules and directs Subcontractor to perform additional overtime work, not due to Subcontractor's acts, omissions, delays, or fault, Contractor shall pay the cost of the premium portion of such overtime work, without overhead or profit, and Subcontractor agrees to accept such payment in complete settlement of any and all claims for damages, loss, cost or expense caused by or in any way related to the performance of overtime work as directed by Contractor. Subcontractor's books shall be kept in a manner facilitating Contractor's audit of such adjustments.

6.8 All materials, equipment and labor shall be furnished by Subcontractor at such time as shall be in the best interests of the Project, to the end that the combined work of all may be properly and fully completed in accordance with scheduling and coordination requirements for the Project. Subcontractor shall, as directed by Contractor and without adjustment in the Subcontract Amount or Subcontract Time, cease Work at any point and transfer Subcontractor's men, machinery, materials and equipment to such other points and execute such other portions of the Subcontract Work as Contractor may prescribe for the benefit of the Project.

ARTICLE 7: PAYMENT

7.1 Subject to Section 7.6 of this Subcontract, Contractor shall pay to the Subcontractor, as full consideration for the complete, proper and timely performance of the Subcontract Work and Subcontractor's satisfaction of all other obligations as set forth in the Subcontract Documents, the Subcontract Sum set forth above in Section 1.3. The Subcontract Amount shall be adjusted only by a Modification as provided in the Subcontract Documents. No payment to Subcontractor shall operate as an approval of the Subcontract Work, or any part thereof, or as a release of Subcontractor from any of its duties or obligations under the Subcontract Documents.

7.2 The Subcontract Sum is based upon the alternates, if any, as described above in Section 1.5.

7.3 The Subcontract Amount includes all allowances, if any, as set forth above in Section 1.6. Items covered by allowances shall be supplied for such amounts and by such persons as the Contractor may direct, although Subcontractor shall not be required to employ persons or entities against which the Subcontractor makes reasonable objection. Unless otherwise provided in the Subcontract Documents, allowances shall cover the cost to the Subcontractor, less any applicable trade discount, of the materials and equipment required by the allowance delivered at the site and all applicable taxes. Allowances do not cover the Subcontractor's costs for unloading and handling of the materials and equipment on the site, labor, installation, overhead, profit and other expenses associated with items covered by the allowances; rather, such costs are included in the Subcontract Amount and no additional compensation shall be paid to Subcontractor therefor. Whenever the actual cost of the materials and equipment covered by an allowance is more than or less than the allowance, the Subcontract Amount shall be adjusted accordingly by Change Order.

7.4 Subcontractor shall, within fifteen (15) days after execution of the Subcontract and before submitting its first application for payment, submit for Contractor's review and approval a Schedule of Values of the various parts of the Subcontract Work totaling the Subcontract Amount, made out in such detail and subdivided into such categories as Contractor may prescribe. Subcontractor shall utilize AIA Document G703 as the form for submitting its Schedule of Values, or a substantially identical form to the extent approved in advance by Contractor. The Schedule of Values shall include a separate line item for Project Closeout items (Attic Stock, O&M Manual, Owner Training on MEP Systems, As-Built Drawings, etc.). The Project Closeout value must be a minimum 2% of the Subcontract Amount, but not less than $1,000. The Schedule of Values, once approved by Contractor, shall be used as the basis for preparation, submittal and review of applications for payments, unless later found by Contractor to be in error. Within fifteen (15) days after executing this Subcontract, Subcontractor shall furnish Contractor with Subcontractor's tax identification number (by providing a completed Form W-9) and document numbers for applicable business licenses or sales tax permits. Within fifteen (15) days after executing this Subcontract, Subcontractor shall furnish Contractor a verified list of all Lower Tier Subcontractors (including materials suppliers) which Subcontractor intends to utilize for portions of the Subcontract Work for the Project, utilizing the form attached hereto as Exhibit B. Contractor may withhold payment from Subcontractor until all required information set forth above in this Section has been compiled and delivered by Subcontractor in a form acceptable to Contractor. Other items which Subcontractor must provide to Contractor prior to receipt of payment, include Subcontractor's written Safety Program (as referenced in Section 11.2) and all

Certificates of Insurance (as required under Section 8.3).

7.5 Provided Subcontractor is not in breach or default of its obligations (and subject to Section 7.6 below and other conditions for payment set forth in the Subcontract Documents), progress payments will be made to Subcontractor on a monthly basis consistent with the percentage of the Subcontract Work which has been properly performed and completed as of the date the application for payment is submitted. The period covered by each application for payment and the day of the month by which applications for payment are to be submitted by Subcontractor to Contractor are set forth above in Section 1.9. If Subcontractor timely submits its application for payment, Contractor shall include, in the next application for payment which it is entitled to submit to the Owner and/or the Architect, the amount of the Subcontractor's application for payment which has been reviewed and approved by the Contractor. If Subcontractor does not timely submit its application for payment, Contractor may not have sufficient time to review and include the approved portion in Contractor's next application to the Owner and/or Architect, in which case the approved portion shall be included in the subsequent application for payment which Contractor submits to the Owner and/or Architect. Contractor shall make payment to the Subcontractor within seven (7) days of receiving payment from the Owner for the Subcontract Work, or portions thereof, as properly performed and billed in accordance with the Subcontract Documents. Subcontractor shall make payment to its Lower Tier Subcontractors within seven (7) days of receiving payment from the Contractor. The amount of any partial or final payment to Subcontractor shall not exceed the value of labor, materials, equipment and products provided by Subcontractor as of the date of the application for payment, less retainage to be withheld as provided above in Section 1.9 and less the aggregate of previous payments made by the Contractor. The amount of any payment shall not exceed the percentage of completion allowed to Contractor by Owner for the Subcontract Work, less the retainage specified herein.

7.6 It is specifically recognized and agreed that any payment for Subcontract Work, under this Subcontract or otherwise, shall not be owed by Contractor or be due to Subcontractor unless and until Contractor receives payment for the Subcontract Work from Owner. Further, the amount due from Contractor to Subcontractor shall not exceed the amount actually received by Contractor from the Owner applicable to the Subcontract Work. Subcontractor expressly acknowledges and agrees that all payments to be made under this Subcontract, or otherwise relating to the Subcontract Work, are contingent upon Contractor receiving payment for the Subcontract Work from the Owner. Subcontractor agrees to assume the risk that it will not be paid for the Subcontract Work, in whole or in part, in the event that Contractor is not paid by the Owner for such Subcontract Work, regardless of whether such non-payment is due to Owner's insolvency, failure of financing, breach of the Prime Contract or for any other reason or occurrence. Subcontractor acknowledges and agrees that payment by the Owner to the Contractor shall be a condition precedent to any payment obligation of the Contractor or its Surety to Subcontractor, whether under the terms and conditions of this Subcontract or otherwise.

7.7 Subcontractor may include in its application for payment materials, machinery, equipment or products which have not yet been incorporated into the Project, if and to the extent they have been delivered to and are suitably stored on the site of the Project. With respect to materials, machinery, equipment and products which are stored at off-site locations, Contractor shall retain sole discretion either to approve or disapprove payment for such materials prior to their being installed and incorporated into the Project. In order for Subcontractor to request (and for Contractor to consider) possible payment for such materials, machinery, equipment or products stored at off-site locations, Subcontractor shall, in addition to the other requirements of the Subcontract Documents, make all necessary provisions to ensure and protect Contractor's or Owner's title, right of possession and access to any such materials for which payment is approved by Contractor, including providing insurance covering loss or damage to the material and providing confirmation that such materials have been specifically designated for the Project and are stored separately from other materials and equipment.

7.8 Each application for payment shall be made on AIA G702 and G703 forms, or on forms approved by Contractor in advance which contain substantially similar certifications by the Subcontractor. Subject to the provisions of the Subcontract Documents, the amount of each application for payment shall be computed as follows:

.1 Take that portion of the Subcontract Amount properly allocable to completed Subcontract Work as determined by multiplying the percentage completion of each portion of the Subcontract Work by the share of the total Subcontract Amount allocated to that portion of the Subcontract Work in the schedule of values, less retainage as set forth above in Section 1.9. Pending final determination of cost to the Subcontractor of changes in the Subcontract Work that have been properly authorized by the Contractor, amounts not in dispute, less retainage as set forth above in Section 1.9, may be included to the same extent provided in the Prime Contract, even though the Subcontract Sum has not yet been adjusted;

.2 Add that portion of the Subcontract Amount properly allocable to materials and equipment delivered and suitably stored at the site by the Subcontractor for subsequent incorporation in the Subcontractor's Work or, if approved in advance and in writing by the Contractor, suitably stored at an offsite location, less retainage as set forth above in Section 1.9; and

.3 Subtract the aggregate of previous payments made by the Contractor.

Subcontractor shall submit with each application for payment a verified "Updated List of Lower Tier Subcontractors" in the form attached hereto as Exhibit B. Each application for payment shall also include: (i) a conditional lien waiver signed by the Subcontractor corresponding to the current application for payment, which shall become effective upon Subcontractor's receipt of payment; (ii) unconditional lien waivers from Lower Tier Subcontractors, if requested by Contractor, confirming their receipt of payment for their portion of the Subcontract Work covered by prior applications for payment as paid by the Contractor; and (iii) such additional supporting documentation as required by the Subcontract Documents or subject to Contractors receipt of payment from the Owner as set forth in Section 7.6, as requested by the Contractor, Architect, Owner or the Owner's lender. If upon review of Subcontractor's application for payment, including consideration of all prior payments, Contractor believes that the amount billed may exceed the value of the Subcontract Work performed and completed to the date of the application, Contractor may request and Subcontractor shall provide additional paperwork, including material and equipment invoices, payroll reports (certified if applicable), copies of Subcontractor's job cost records and such other documents as necessary to substantiate the application for payment and, if such substantiation is not provided, Contractor may reduce the application for payment in the amount of the overbilling.

7.9 Contractor may refuse to approve applications for payment received from the Subcontractor and may withhold payments from Subcontractor, in an amount sufficient to protect the interests of the Contractor and Owner, if Contractor discovers or has reason to believe that: (i) the Subcontract Work, or portions thereof, are defective or not in conformance with the requirements of the Subcontract Documents; (ii) claims or liens have been or may be filed arising out of or relating to the Subcontract Work, (iii) Subcontractor has failed or neglected to make timely payment to its Lower Tier Subcontractors; (iv) it reasonably appears that the Subcontract Work cannot be completed for the balance of the Subcontract Amount then unpaid; (v) Subcontractor is otherwise in breach of its duties or obligations under the Subcontract Documents; or (vi) to the extent any other terms and conditions specified in the Subcontract Documents authorize withholding payment. In the event Contractor does not approve Subcontractor's application for payment in full and, thereby, withholds payment from the Subcontractor, it shall advise the Subcontractor of the grounds on which payment is being withheld and Contractor shall proceed to pay Subcontractor all amounts otherwise owing and which are not in dispute, subject to Contractor's receipt of such undisputed amounts from the Owner consistent with Section 7.6. Once the grounds for withholding payment have been resolved by Subcontractor to Contractor's satisfaction, the amounts previously withheld shall then be disbursed to the Subcontractor, subject to Contractor's receipt of such funds from the Owner. Should Subcontractor fail to correct the grounds for which payment is withheld within 48 hours after receipt of written notice from Contractor to do so, Contractor may, in its sole discretion, rectify the same at Subcontractor's expense, including the right of Contractor to set-off against any sums due Subcontractor the costs and expenses incurred by Contractor. Contractor's right to rectify Subcontractor's default shall not give rise to any obligation or duty on the part of Contractor to exercise such right for the benefit of Subcontractor or its Lower Tier Subcontractors. Contractor may also deduct from amounts due or to become due to the Subcontractor any sums owing by the Subcontractor to the Contractor, regardless of whether those sums arise out of this Project or otherwise.

7.10 If any payments have been made to Subcontractor prior to the date the Parties have executed this Subcontract for the Project (whether pursuant to a letter of intent, notice to proceed or other authorization), such payments shall be applied against the Subcontract Amount once the Subcontract is executed. The Subcontract and the Subcontract Documents shall also govern the previously performed Subcontract Work, to the same extent as though such Subcontract Work was performed after execution of the Subcontract.

7.11 Final payment of the unpaid balance of the Subcontract Amount shall not become due unless and until: (i) all Subcontract Work for the Project is fully completed and properly performed in accordance with the Subcontract Documents and is satisfactory to and approved by Contractor, Owner and Architect; (ii) Subcontractor has delivered all operations and maintenance manuals, "as-built" drawings, guarantees, and warranties for material, machinery, equipment and products furnished by Subcontractor; (iii) Subcontractor has completed and delivered all testing, balancing and/or inspection results or reports applicable to the Subcontract Work and as required by the Subcontract Documents; (iv) Subcontractor has completed all instruction or training obligations as required by the Subcontract Documents; (v) Subcontractor has provided a Certificate of Insurance confirming that products completed operations coverage and any other insurance required to be maintained following completion of the Subcontract Work is in place; (vi) Subcontractor has fulfilled all other requirements which are prescribed by this Subcontract or the Subcontract Documents to serve as conditions to final payment; (vii) Contractor has received full and final payment from Owner for the Subcontract Work, the receipt of which is a condition precedent to Contractor's duty to pay Subcontractor as set forth in Section 7.6; and (viii) consent of surety has been delivered to the Contractor, to the extent the Subcontractor has posted bonds for the Subcontract Work on the Project.

7.12 Subcontractor's final application for payment shall be accompanied by: (a) the Subcontractor's conditional final waiver of lien; (b) unconditional final waivers of lien from all Lower Tier Subcontractors who have been fully paid for their portion of the Subcontract Work; (c) conditional final waivers of lien from all Lower Tier Subcontractors who have not yet been fully paid, but are to be fully paid out of the final payment; (d) consent of surety if Subcontractor has posted bonds for the Project; and (e) if requested by Contractor, AIA forms G706 (Affidavit of Payments of Debts) and/or G706A (Affidavit of Release of Liens). Subcontractor also agrees, if requested by the Contractor, that the portions of the final payment which Subcontractor still owes to Lower Tier Subcontractors may be distributed by joint checks (payable to the Subcontractor and its Lower Tier Subcontractors to whom Subcontractor still owes payment on the Project) or Subcontractor shall provide other assurance, in a form satisfactory to the Contractor, that all Lower Tier Subcontractors who have not yet been fully paid will be promptly and fully paid out of the final payment from Contractor. Upon final payment by the Contractor, as required by the Subcontract Documents or subject to Contractor's receipt of payment from the Owner as set forth in Section 7.6, Subcontractor shall obtain and deliver to the Contractor unconditional final lien waivers from the remaining Lower Tier Subcontractors as the final payment is promptly disbursed. If after final payment has been made, a mechanic's lien is filed or other payment claim is asserted by an employee, agent or representative of Subcontractor, a Lower Tier Subcontractor (including its employees, agents or representatives), or should any other claims be asserted against Contractor, Owner and/or the Project arising out of or in any way related to the Subcontract Work (including but not limited to claims by workers, unions or governmental bodies relating to alleged violations by Subcontractor or its Lower Tier Subcontractors of wage and hour laws, the Davis Bacon Act or common/prevailing wage rates, if applicable), Subcontractor shall defend, indemnify and hold harmless the Contractor, Owner and the Project from all such claims, costs and expenses, including reasonable attorneys' fees, incurred as a result of such lien being filed or claim asserted and shall promptly resolve such lien or claim, including, if necessary, bonding the mechanic's lien off the Project in accordance with applicable law.

7.13 Subcontractor's acceptance of final payment shall constitute a waiver of any and all claims by the Subcontractor which in any manner arise out of or relate to this Subcontract, the Subcontract Work and/or the Project, except those claims for which notice was timely provided, which were specifically identified by the Subcontractor, in writing, as unresolved in the application for final payment and which constitute valid claims under the Subcontract Documents.

7.14 Subcontractor agrees for a period of five years after final completion of the Project, that it will retain and make available during normal business hours, upon written request of Contractor, all books, records, documents, cost records, job files, and other data of the Subcontractor relating to or arising out of this Subcontract, the Subcontract Work and/or the Project. Production of Subcontractor's records shall include, but not be limited to, all documents necessary to certify that appropriate and sufficient payments have been made to all Subcontractor employees and its Lower Tier Subcontractors for all labor, materials, equipment, products and other services provided as part of the Subcontract Work for the Project. Subcontractor shall also include in all its contracts with all Lower Tier

Subcontractors a similar provision, by which the Lower Tier Subcontractors will also be obligated to maintain and produce such documentation at the request of the Contractor for its portion of the Subcontract Work for a period of three years after final completion of the Project.

7.15 Any application for payment submitted by Subcontractor more than ninety days following completion of the Subcontract Work, may be rejected, unless Contractor is still able to bill the Owner under the Prime Contract.

ARTICLE 8: BONDS AND INSURANCE

8.1 If and to the extent Section 1.10 of this Agreement requires Subcontractor to post bonds, Subcontractor shall provide to Contractor, as named obligee, fully executed Payment and Performance Bonds, each with penal sums equal to the Subcontract Amount, and/or a fully executed Maintenance Bond as set forth in Section 1.10. Such bond shall be submitted to the Contractor within fourteen (14) days after the award of the Subcontract Work on forms satisfactory to the Contractor. The surety company shall have an A.M. Best's rating not less than A- VIII, be licensed as a surety in the State where construction takes place, shall appear on the United State Treasury Service Department Circular 570 (the "Treasury List"), the bond amount shall not exceed the company dollar limitation as it appears on the Treasury List, and shall be acceptable to the Contractor and Owner. The premium costs for such bonds shall be included in the Subcontract Amount. If Bonds are required for the Project, Subcontractor shall have no right to receive any payments for the Subcontract Work, unless and until all bonds as required by Section 1.10 are properly executed and delivered to Contractor, regardless of the status of the Subcontract Work or performance by Subcontractor.

8.2 If bonds are not required in Section 1.10, Contractor may at its sole discretion before contract is awarded, require Subcontractor to provide an irrevocable Letter of Credit in the Amount not less than 25% of the Subcontract Amount as listed in Section 1.3. The irrevocable Letter of Credit will be a form that is acceptable to the Contractor. The Letter of Credit will be provided contemporaneously with the execution of this Subcontract as security for the performance of the Subcontractor's obligation. The Letter of Credit may be drawn upon by Contractor as partial payment for damages and losses incurred as a result of Subcontractor's failure to perform the obligations of this Agreement. The Subcontractor shall ensure that the Letter of Credit, through any necessary extensions or renewals, will remain in effect until one (1) year following the date of Substantial Completion, unless the Contractor requires an extension as a result of a delay in the Project schedule.

8.3 The Subcontractor shall purchase and maintain throughout the Project the minimum coverages, limits and terms of insurance as set forth below, unless additional coverage or higher limits are otherwise required in the Subcontract Documents. All required insurance shall be procured from insurance companies authorized to do business in the State where the Project is located and having an A.M. Best Rating of A-;VIII (or better). The Subcontractor shall, before commencing its Work, furnish to the Contractor a Certificate or Certificates as issued by the insurer(s) evidencing that the required coverages and limits are in effect. Subcontractor shall also provide evidence satisfactory to the Contractor, including policy endorsements if requested, confirming that Subcontractor's policies may not be cancelled, modified or allowed to lapse without thirty (30) days prior written notice to the Contractor. For insurance coverages required to remain in force following final payment, an additional certificate evidencing the continuation of such coverage shall be submitted with the Contractor's final application for payment.

8.3.1 The Contractor and all other parties identified in Section 1.11 of this Subcontract shall be added as additional insured's to the Subcontractor's commercial general liability, automobile and umbrella/excess policies, and the coverage granted by the additional insured provision of these policies shall be primary and noncontributory. The Additional Insured endorsement to the Subcontractor's policies shall confirm that the "other insurance" clauses of the policies provide that exhaustion of limits shall be vertical (from the Subcontractor's underlying commercial general liability and/or automobile policies through and including the Subcontractor's umbrella/excess policy) and not horizontal (which would require the exhaustion of the Contractor's and/or Owner's commercial general liability and/or automobile policies before the Subcontractor's umbrella/excess policy would be activated). The Additional Insured endorsement on the General Liability must also include completed operations coverage for the period of time set forth below for the benefit of the Contractor and Owner. The Subcontractor shall furnish the Contractor complete and certified copies of all required policies if so requested by the Contractor.

8.3.2 The minimum coverages and limits of insurance to be procured and maintained by the Subcontractor pursuant to this Subcontract as follows:

8.3.2.1 Worker's Compensation	Statutory Requirement
8.3.2.2 Employer's Liability	
Bodily Injury by Accident	**$1,000,000**/each accident
Bodily Injury by Disease	**$1,000,000**/policy limits
Bodily Injury by Disease	**$1,000,000**/each employee
8.3.2.3 Commercial General Liability Policy	
Each Occurrence Limit	**$1,000,000**
General Aggregate (per project)	**$2,000,000**
Products/Completed Operations Aggregate	**$2,000,000**
Personal injury with Employment Exclusion Deleted and Advertising Injury	**$1,000,000**
Medical Expense (any one person)	**$10,000**

If in a monopolistic state, provide "STOP GAP" Liability.

Coverage provided by the Commercial General Liability policy shall include contractual coverage for liability assumed by contract and Broad Form Property Damage. The Insurance Services Offices (ISO) policy form to be used shall be CG 00 01 12/04 edition, or an equivalent form approved by the Contractor. Products/Completed Operations Coverage shall be maintained for five (5) years following

Substantial Completion of the Project (or for a longer period to the extent specifically required by the Subcontract Documents) and the form of endorsement providing additional insured status for completed operations shall be ISO CG 2010 10 01 and CG 2037, or an equivalent endorsement form approved by the Contractor. The Commercial General Liability Policy shall be endorsed to provide that the general aggregate applies separately to each project, with ISO endorsement CG 2503, or its equivalent, to be used to satisfy this requirement.

If work is done within 50' of a railroad, the Subcontractor must provide evidence from the insurance company, and shown in the certificate of insurance, that the Commercial General Liability policy has been endorsed or otherwise modified to cover the Subcontract Work performed adjacent to the railroad. Refer to Railroad Protective Endorsement CG form.

Subcontractor shall confirm on the Certificate of Insurance if its commercial general liability coverage contains any exclusion for Residential Construction Work.

8.3.2.4 Automobile Liability and Property Damage (for all owned, non-owned, and hired cars, as well as uninsured and underinsured vehicles)

Combined Single Limit	**$1,000,000**

8.3.2.5 Separate Umbrella Policy (written in excess of Commercial General Liability, Employer's Liability and Auto Policies on a "follow form" basis)

**Each Occurrence	**$2,000,000**
**General Aggregate	**$2,000,000**

****Subcontractor shall carry umbrella limits that are the greater of amounts shown above, or twice (two times) the value of the Subcontractors Work.

8.3.2.6 Contractors Pollution/Environmental Liability

Per Loss	**$500,000**
In Aggregate	**$500,000**

8.4 It is the duty of the Subcontractor to follow all provisions of the Subcontract Documents, including insurance requirements. Subcontractor shall be liable to the Contractor for all damages incurred by the Contractor as a result of the Subcontractor's failure, or the failure of its Lower Tier Subcontractors, to carry required insurance. Contractor reserves the right to back-charge Subcontractor for reasonable insurance charges in the event Subcontractor, or its Lower Tier Subcontractors, fails to carry and maintain the minimum coverages, limits and terms of insurance as set forth herein or as otherwise required by the Subcontract Documents. The Subcontractor's obligations with respect to insurance shall not be waived by the Contractor's failure to request, respond or object to any submission by the Subcontractor regarding insurance.

8.5 Should Subcontractor fail or neglect to provide required insurance, Contractor shall have the right, but not the obligation or duty, to provide such insurance and deduct from any money due to Subcontractor the costs of any and all premiums paid by Contractor for and on account of said insurance.

8.6 The insurance companies who provide coverage to Subcontractor and its Lower Tier Subcontractors shall have no right of subrogation against the Owner, Contractor, Architect, other subcontractors or contractors and their respective officers, directors, consultants, agents and employees.

8.7 Property insurance for the Subcontractor's materials and equipment required for the Subcontractor Work, stored off site or in transit and not covered by the Project property insurance, shall be procured and paid by Subcontractor, as part of the Subcontract Amount and without claim for additional cost against Contractor or Owner. Subcontractor shall provide evidence of such coverage upon request by Contractor. Material stored off site need prior written approval by Contractor and proof of insurance, including Flood Insurance whenever applicable, before such items may be included in Subcontractor's application for payment.

8.8 Property insurance (i.e. Builders Risk) provided by the Owner and/or Contractor under the Prime Contract agreement may not insure against loss due to theft of Subcontractor's or Lower Tier Subcontractor's tools, equipment, and other personal property. The responsibility to guard and insure against thefts shall lie with the respective Subcontractor or Lower Tier Subcontractors. Furthermore, the property insurance may not insure any equipment, scaffolding, towers, staging, forms or tools owned or rented by the Subcontractor; or any tools or equipment owned by the Lower Tier Subcontractors or mechanics, outbuilding, shops or housing facilities. Subcontractor and Lower Tier Subcontractors should obtain their own insurance policies to cover their own property, including Flood Insurance whenever applicable.

8.9 The Contractor and Subcontractor waive all rights against (1) each other and any of their subcontractors, Lower Tier Subcontractors, agents and employees, each of the other, and (2) the Owner, the Architect, the Architect's consultants, separate contractors, and any of their subcontractors, sub-subcontractors, agents and employees, for damages caused by fire or other causes of loss to the extent covered by property insurance provided under the Prime Contract or other property insurance applicable to the Project, except such rights as they may have to proceeds of such insurance. The Subcontractor shall require of the Lower Tier Subcontractors, agents and employees, by appropriate agreements, written where legally required for validity, similar waivers in favor of the parties enumerated herein. The policies shall provide such waivers of subrogation by endorsement or otherwise. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, did not pay the insurance premium directly or indirectly, and whether or not the person or entity had an insurable interest in the property damaged.

ARTICLE 9: CHANGES/CLAIMS

9.1 After this Subcontract has been executed, the Subcontract Work may be modified by changes, additions or deletions, but only to the extent specifically directed by Contractor in writing. In such event, the Subcontract Amount and Subcontract Time may be adjusted

under the procedures set forth in this Article 9, but only to the extent the directed change impacts the actual time and/or cost to perform the Subcontract Work.

9.2 If Contractor is considering a change to the Subcontract Work, Contractor will provide Subcontractor with notice and a written description of the desired change in the form of drawings or other information. Subcontractor shall then submit to Contractor, within such time period as the Contractor may reasonably prescribe, a firm Change Order Request Proposal, describing changes in the Subcontract Amount and/or Subcontract Time, if any, which would result from the proposed change. The Subcontractor's Change Order Request Proposal shall be subject to the Contractor's review and approval and it shall not be modified or withdrawn by Subcontractor, except as otherwise agreed by Contractor. If Contractor agrees with Subcontractor's Change Order Request Proposal, a Change Order will be prepared which will become effective upon both Parties' execution. If Contractor and Subcontractor are unable to agree upon all terms of a Change Order, Contractor shall have the authority to direct Subcontractor to proceed with a change to the Subcontract Work, by issuing and delivering to the Subcontractor a written Construction Change Directive signed by the Contractor. When a Construction Change Directive has been issued by the Contractor and the Parties, thereafter, agree to appropriate adjustments to the Subcontract Amount and/or Subcontract Time relating to such change, a Change Order will be issued and signed by both Parties to confirm the agreement reached.

9.3 The Contractor also has authority to order minor changes in the Work which do not involve an adjustment in the Subcontract Amount or the Subcontract Time and which are not inconsistent with the intent of the Subcontract Documents. Such changes shall be effected by Contractor's written order and shall be binding on the Subcontractor immediately upon receipt. The Subcontractor shall carry out such minor changes promptly and in the manner directed by the written order.

9.4 No alterations, increases or decreases shall be made in the Subcontract Work, the Subcontract Amount and/or the Subcontract Time, except as specifically authorized and directed by a written order signed by a duly authorized representative of Contractor. Only representative(s) specifically designated by Contractor, in writing, shall have the authority of Contractor to authorize changes in the Subcontract Work and to issue Change Orders, Construction Change Directives or otherwise modify the terms of this Subcontract. Subcontractor shall have no claim for additional, extra or changed Subcontract Work, unless such change is undertaken pursuant to and in accordance with an authorized written directive of the Contractor. Any Work performed without such written authorization will be at Subcontractor's sole risk and expense.

9.5 If Contractor disputes the validity or amount of a Change Order Request Proposal submitted by Subcontractor, or if a dispute exists between Subcontractor and Contractor concerning whether certain work entitles Subcontractor to additional compensation or additional time, but Contractor nevertheless directs Subcontractor to proceed with the disputed work by a written Construction Change Directive, Subcontractor shall promptly commence, prosecute and complete such Work pending resolution of the dispute.

9.6 In determining the sums payable to Subcontractor for changes in the Subcontract Work, costs for labor, machinery, fuel, equipment and materials shall be at prevailing rates in the Project area. In no case shall compensation for changes in Work or other claims include an allowance for profit and overhead in excess of the percentages as set forth above in Section 1.12.

9.7 Subcontractor shall, with respect to changes ordered by Contractor, including but not limited Construction Change Directives, prepare, maintain and submit labor and time card records, material and equipment invoices and other detailed cost reports to the Contractor's Project Manager (or other designated representative) for review on a daily basis. Such records shall accurately describe all altered or additional Subcontract Work directly performed solely as a result of the change as ordered or directed by Contractor in writing. Signature of Contractor's representatives upon delivery of such records shall be solely for the purpose of confirming receipt thereof and shall not constitute an agreement by Contractor to the information set forth therein or the amounts therein claimed by Subcontractor. Any adjustment of the Subcontract Amount and/or Subcontract Time shall be by Change Order.

9.8 Except as otherwise provided by Paragraph 9.2 with respect to changes in the Subcontract Work proposed by Contractor, in all circumstances whereby Subcontractor desires to assert a claim for an increase in the Subcontract Amount, an extension of the Subcontract Time or to otherwise seek recovery of any costs, damages or other relief, Subcontractor shall, as a condition precedent, give Contractor written notice of such claim the earlier of: (i) within ten (10) days after the first occurrence of the event giving rise to such claim; or (ii) at least five (5) days before the date when Contractor is required, by the terms of the Prime Contract, to provide the same or similar notice to Owner or other third party. The notice shall particularly set forth the event(s) or fact(s) supporting and giving rise to such claim and identification of the proposed change to the Subcontract Amount, the Subcontract Time or other relief which is being sought. It is further expressly agreed that any failure to timely provide notice as required herein shall constitute a waiver of any and all rights of Subcontractor to thereafter assert or pursue recovery of any such claim. Under no circumstances shall any failure or delay in giving such notice be excused and no reservation of rights to make or submit a claim at a later date shall be effective to preserve the claim, if not timely and properly made in accordance with this Section.

9.9 The provisions of this Article 9 shall not be deemed to grant to Subcontractor rights and/or remedies otherwise excluded by the Subcontract Documents, including, without limitation, any right to recover monetary damages for delays and hindrances or any right to seek payment from the Contractor, if the Contractor has not yet received payment from the Owner.

ARTICLE 10: WARRANTY AND CORRECTION OF DEFECTS

10.1 Subcontractor warrants to the Contractor, Owner and Architect that all Subcontract Work, including all materials, machinery, equipment, products and other goods furnished and incorporated pursuant to this Subcontract, shall be new (unless otherwise permitted by the Subcontract Documents), that all Subcontract Work shall be of good quality, performed in a workmanlike manner, free from faults, defects, liens, and security interests, and shall have been performed in strict conformance with all requirements of the Subcontract Documents and in accordance with all applicable laws, statutes, codes, rules, ordinances and regulations. All Subcontract Work not conforming to these standards shall be considered defective. The Subcontractor agrees to indemnify and hold Contractor, Owner and Architect harmless from any loss, cost, damage or other expense (including reasonable attorneys' fees) resulting from any breach of the foregoing warranty. Moreover, nothing herein shall in any way reduce, limit or diminish the right of Contractor to assert claims for damages resulting from patent or latent defects in the Subcontract Work during the full period of

limitations prescribed by law. The provisions of this Section shall survive the making and acceptance of final payment and/or termination of this Subcontract.

10.2 During construction of the Project, Subcontractor shall, at its sole expense, promptly and properly repair, replace or otherwise correct any Subcontract Work that is: (i) rejected by Contractor, Owner or Architect; or (ii) known, observed or discovered at any time to be defective or failing to conform to the Subcontract Documents. Furthermore, if within one year after final completion and acceptance of the Project (or such longer period to the extent required by the Subcontract Documents, including, but not limited to, extended warranties for specified products) the Subcontract Work, or any portion thereof, is found to be defective or otherwise not in accordance with the requirements of the Subcontract Documents, Subcontractor shall correct it promptly after receipt of written notice from Contractor to do so. Subcontractor shall bear all expenses incurred in connection with the inspection, removal, repair, correction, handling and transportation of defective or nonconforming Subcontract Work. In addition, Subcontractor shall: (i) bear the costs of replacing any adjoining materials, equipment and finishes required to correct the Subcontract Work; and (ii) be responsible for all other damages incurred by Contractor, including all expenses incurred as a result of any delay caused by remedying defective or otherwise nonconforming Subcontract Work. The period within which Subcontractor shall be obligated to correct Subcontract Work shall be extended with respect to portions of Subcontract Work, including corrective work, first performed after final completion and acceptance of the Project. Subcontractor's obligations under this Paragraph shall survive completion and acceptance of the Subcontract Work, the Project and/or termination of this Subcontract. The Subcontractor's responsibility to correct such Work within one year of final completion (or as otherwise required by the Subcontract Documents) shall not be affected, diminished or restricted by the limitations, restrictions or conditions of a Lower Tier Subcontractor, including the expiration of any Uniform Commercial Code statute of limitations. The inability or refusal of a Lower Tier Subcontractor responsible for defective work to correct or warrant its work or products, shall not relieve the Subcontractor from its obligation to correct the Subcontract Work within one year of final completion (or as otherwise required by the Subcontract Documents). If Subcontractor fails to correct the defective or non-conforming Subcontract Work within a reasonable time after receipt of notice from Contractor, the Contractor may correct it and charge the costs thereof to the Subcontractor.

10.3 If during construction Subcontractor fails to correct any defective or nonconforming Subcontract Work or persistently fails to carry out Subcontract Work in accordance with the Subcontract Documents, Contractor may, in addition to any other right or remedy afforded by this Subcontract, issue a written order to Subcontractor to stop the Subcontract Work, or any portion thereof, until the cause for such order has been eliminated. However, Contractor's right to stop the Subcontract Work shall not give rise to any obligation or duty on the part of Contractor to exercise such right for the benefit of Subcontractor, its Lower Tier Subcontractors or other persons or entities.

10.4 Nothing contained in this Article shall be construed to establish a period of limitation with respect to Contractor's right to enforce the obligations of Subcontractor under Subcontract Documents. Paragraph 10.2 relates only to the specific obligation of Subcontractor to correct the Subcontract Work and has no relationship to the time within which the obligations to comply with the Subcontract Documents may be enforced by the Contractor (including, without limitation, the warranty and other obligations set forth in Section 10.1), the time within which proceedings may be commenced to establish Subcontractor's obligations or to the time within which defects or deficiencies in the Subcontract Work must first be observed or claims brought thereon.

10.5 Subcontractor, to the extent of the Subcontract Work, assumes toward the Contractor all of the Warranty and Correction of Work obligations which Contractor has assumed towards the Owner under the Prime Contract, including Warranty and Correction of Work obligations which may extend beyond those set forth and described in this Article 10. Upon completion of the Subcontract Work, Subcontractor shall furnish and deliver to Contractor two (2) copies of all warranties, guarantees, operations manuals and other close-out documents required by the Subcontract Documents with respect to all materials, equipment, systems and other items which make up the Subcontract Work.

ARTICLE 11: PROTECTION OF PERSONS AND PROPERTY, SAFETY AND HAZARDOUS MATERIALS

11.1 Subcontractor shall at its own expense: (i) take all necessary precautions to protect the work of the Contractor and the work of other trades from any damage caused by Subcontractor's operations; and (ii) watch over, care for and protect from damage or injury all of the Subcontract Work (complete or otherwise) and all of Subcontractor's materials, supplies, tools, machinery and equipment at or near the Project.

11.2 The Subcontractor shall be responsible for initiating and enforcing safety precautions and programs with respect to all aspects of the Subcontract Work, in a manner that fully complies with all applicable laws, statutes, ordinances, codes, rules, regulations, and lawful orders of public authorities relating to the safety of persons and property on or about the Project site and all safety programs, procedures and requirements applicable to the Project, including Subcontractor's safety obligations set forth in Exhibit A to this Agreement. The Subcontractor shall indemnify, defend, hold harmless and reimburse the Contractor and Owner from and against all claims, fines, penalties, assessments or other damages, including but not limited to reasonable attorneys' fees, which are asserted against or incurred by Contractor or Owner that result, in whole or in part, from the Subcontractor's violation of or deviation from, whether by negligence or otherwise, any safety program, law, statute, ordinance, code, rule, regulation or order of public authority. If and to the extent Contractor observes any act or omission arising out of or relating to the Subcontractor Work which Contractor believes may constitute a safety question or concern, Contractor shall so advise the Subcontractor and Subcontractor shall immediately take all necessary and appropriate action to address and resolve any safety issues that exist. Notwithstanding Contractor's agreement to provide notice of observed or discovered safety issues as set forth in the preceding sentence, Subcontractor shall remain the controlling employer responsible for the safety programs and precautions applicable to its employees, its Lower Tier Subcontractors and all other persons or entities performing work in areas of the Project which are under the control and direction of the Subcontractor. Contractor shall not, with respect to safety programs and precautions applicable to the Subcontractor's Work, assume any duty or responsibility to the Subcontractor, its employees, Lower Tier Subcontractors, their employees or other persons or entities.

11.3 To the extent that the Subcontract Work is performed in or adjacent to a facility which remains in operation, Subcontractor shall develop and implement for the Subcontract Work construction sequences, schedules, means and methods which will: (i) provide for

the safety of individuals who are working at or visiting the facility (including the general public and the employees and invitees of the Owner); (ii) allow for the continued operation of the facility in accordance with all applicable laws, statutes, rules, codes, ordinances and regulations; (iii) avoid unreasonable disruption to the continued operation and maintenance of the facility; and (iv) avoid situations that would compromise the security and protection of the facility.

11.4 Subcontractor shall, in writing, immediately report to the Contractor any injury or accident occurring on or about the Project site causing death or serious injury and, for all other accidents, shall provide written notice to Contractor within three days of its occurrence, or within a shorter period of time if required by law. The Subcontractor shall immediately conduct post-accident drug testing on its employee(s) involved in the occurrence.

11.5 If hazardous substances of a type of which an employer is required by law to notify its employees are being used on the site by the Subcontractor or its Lower Tier Subcontractors, Subcontractor shall, prior to use of such substance on the site, give written notice of the chemical composition thereof to the Contractor in sufficient detail and time to permit compliance with all applicable laws.

11.6 If Subcontractor encounters a material or substance on the Project site which Subcontractor believes or suspects may be a hazardous substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), Subcontractor shall promptly stop work in the affected area and shall give notice to Contractor, so that Contractor can notify the Owner of the condition in accordance with the Prime Contract and so that a determination can then be made whether the material or substance is a hazardous material and, if so, what reasonable precautions need to be taken to prevent foreseeable bodily injury or death. Once a determination has been made that the material or substance is either not hazardous or the substance has been rendered harmless, Subcontractor's Work in the affected area shall resume upon written agreement of Contractor and Subcontractor. If and to the extent Contractor obtains a time extension under the Prime Contract as a result of the hazardous material being encountered, the Subcontract Time shall be extended appropriately, but only to the extent Contractor actually receives a time extension from the Owner. Owner's agreement to a time extension shall be a condition precedent to any obligation of Contractor to grant relief to Subcontractor. Any adjustments in the Subcontract Time shall be confirmed by Change Order in accordance with Article 9 of this Agreement. Should Subcontractor, knowing or suspecting that hazardous material has been encountered on the site, fail to immediately stop work and/or fail to give notice as required above, Subcontractor shall, to the fullest extent permitted by law, indemnify, defend and hold harmless Contractor and Owner with respect to claims, damages, losses and expenses, including but not limited to reasonable attorneys' fees, which are asserted against or incurred by Contractor or Owner as a result of such hazardous material being disturbed, transported and/or disposed of, regardless of whether such claim, damage, loss or expense is caused in part by a party indemnified hereunder.

11.7 Subject to the conditions set forth in this Section below, Contractor shall indemnify and hold harmless Subcontractor and its Lower Tier Subcontractors from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Subcontract Work in the affected area if, in fact, the material or substance is hazardous and has not been rendered harmless, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) except to the extent that such damage, loss or expense is due to the fault or negligence of the party seeking indemnity. The indemnity obligation as provided in this section shall not arise in the event the Subcontractor knew, or in the exercise of reasonable diligence should have known, of the existence of the hazardous materials and failed to provide notice and/or stop work as required by Section 11.6. If under the terms and conditions of the Prime Contract the Owner, and not the Contractor, has the responsibility to verify the presence or absence of hazardous material and (as to materials which are confirmed to be hazardous) to either render such material harmless or properly remove and dispose of such material, Contractor's obligation to indemnify and hold Subcontractor and its Lower Tier Subcontractors harmless with respect to hazardous materials under this Section 11.7, shall exist only if and to the extent that Contractor is indemnified and held harmless by the Owner.

11.8 Subcontractor shall defend, indemnify and hold harmless Contractor and Owner from all claims, costs and expenses which they incur for remediation of a material or substance brought to the site and negligently handled by Subcontractor or its Lower Tier Subcontractors.

ARTICLE 12: DISPUTES

12.1 Any claim, dispute or other matter in controversy (hereafter "Claim") arising out of or related to this Subcontract, except those waived per the terms of this Subcontract, shall be subject to mediation as a condition precedent to binding dispute resolution which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures then in effect. The agreement to mediate set forth herein is, however, subject to Contractor's right to adopt the dispute resolution procedures of the Prime Contract as set forth in Section 12.3 below.

12.1.1 A request for mediation shall be made in writing, delivered to the other party to this Subcontract and filed with the person or entity administering the mediation. The request may be made concurrently with the commencement of binding dispute resolution, but, in such event, mediation shall proceed in advance of the binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the Parties, an order issued by an arbitrator or court order, as applicable. If an arbitration is stayed pursuant to this Section, the Parties may nonetheless proceed with the selection of the arbitrators(s) and agree upon a schedule for later proceedings.

12.1.2 The Parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the state and county where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

12.2 Any Claim subject to, but not resolved by, mediation shall be submitted to arbitration for final and binding resolution which, unless the Parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules then in effect. The agreement to arbitrate set forth herein is, however, subject to Contractor's right to adopt the dispute resolution procedures of the Prime Contract as set forth in Section 12.3 below.

12.2.1 A demand for arbitration shall be made in writing, delivered to the other party to the Subcontract and filed with the person or

entity administering the arbitration. A demand for arbitration shall be made no earlier than concurrently with the filing of a request for meditation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

12.2.2 Either party, at its sole discretion, may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that: (i) the arbitrations to be consolidated substantially involve common questions of law or fact; and (ii) the arbitrations employ similar procedural rules.

12.2.3 Either party, at its sole discretion, may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of a Claim not described in the written consent.

12.2.4 Contractor and Subcontractor grant to any person or entity made a party to an arbitration conducted under this Section 12.2, whether by joinder or consolidation, the same rights of joinder and consolidation as Contractor and Subcontractor have under this Subcontract.

12.2.5 This agreement to arbitrate and any other written agreement to arbitrate with an additional person or persons referred to herein, shall be specifically enforceable under applicable law in any court having jurisdiction thereof, subject to the Owner's right to adopt the dispute resolution procedures of the Prime Contract as set forth in the Sections 12.3 below. An award rendered by an arbitrator or arbitrators shall be final and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

12.3 Notwithstanding the selection of mediation in Section 12.1 and arbitration in Section 12.2 above, if the Contractor determines that one or more of the Claims as between Contractor and Subcontractor involve or may involve, directly or indirectly, either the Owner or claims which exist or may exist as between the Owner and Contractor, then it is agreed and acknowledged that Contractor shall have the right and authority to then designate that the forum and procedure for resolving disputes set forth in the Prime Contract shall be adopted and incorporated into this Agreement, by providing written notice of such election to the Subcontractor. The Contractor shall be entitled to adopt the forum and procedure for resolving Claims set forth in the Prime Contract if Contractor determines, in its sole discretion, that proceeding in this manner may enhance the ability to resolve outstanding Claims as between the involved parties in one consolidated proceeding. If Contractor proceeds in this manner and the forum and procedure for resolving disputes set forth in the Prime Contract is different or otherwise inconsistent with the forum and procedure set forth in Article 12 of this Subcontract, then the forum and procedures set forth in the Prime Contract shall control as between Contractor and Subcontractor, with such forum and procedure being substituted for and taking precedence over the forum and procedure set forth in Article 12 of this Subcontract.

12.4 In the event that a Claim is submitted to and resolved by formal dispute resolution (whether by arbitration under Section 12.2 or litigation, if applicable under the Prime Contract and Contractor has exercised its rights under Section 12.3), the prevailing party shall be entitled to recover its reasonable attorneys' fees and other costs and expenses incurred in prosecuting or defending the Claim (including court costs, witness and expert fees, AAA filing fees, and/or compensation of the arbitrator(s), as applicable) in such reasonable amounts as determined by the same arbitrator(s) or court who heard and decided the underlying claim.

12.5 No dispute shall interfere with the progress of the Subcontract Work or the Contractor's Work and Subcontractor shall proceed with all Subcontract Work, including disputed work, despite the existence of, and without awaiting the resolution of, any such dispute.

12.6 It is expressly understood and agreed that as to any and all Subcontract Work performed or agreed to be performed by the Subcontractor and as to any and all actual or alleged damages incurred by Subcontractor in connection with the Project, Contractor shall, under no circumstances, be liable to Subcontractor to any greater extent than the Owner or other third party is found liable to Contractor.

ARTICLE 13: TERMINATION

13.1 Contractor shall have the right as set forth in this Article 13, to terminate this Subcontract and require Subcontractor to cease the Subcontract Work, because of Subcontractor's default or for the convenience of the Contractor. If termination is for Subcontractor's default, the respective rights and obligations of the Parties shall be as provided in Section 13.2. If termination is for the convenience of Contractor, the rights and obligations of the Parties shall be as provided in Section 13.3.

13.2 If Subcontractor at any time: (i) refuses or neglects to supply adequate and competent supervision or a sufficient number of properly skilled workmen or materials of the proper quality or quantity; (ii) fails in any respect to prosecute the Subcontract Work with promptness and diligence or otherwise in accordance with the Subcontract Documents; (iii) fails in the performance of any agreement or obligation required by the Subcontract Documents; (iv) delays the work of Contractor, other contractors, subcontractors or other third parties; or (v) is otherwise in breach of its obligations under the Subcontract Documents, then Contractor may, after giving Subcontractor forty eight (48) hours written notice and Subcontractor's failure to correct or cure such default within that period, terminate this Subcontract upon the grounds of Subcontractor's default. In the event of such default and Subcontractor's refusal or failure to correct or cure the same within forty eight (48) hours of receiving notice thereof, Contractor shall have the right, in addition to such other rights and remedies as may be afforded to Contractor under the Subcontract Documents or by law, to enter upon the premises and take possession of Subcontractor's materials, equipment, tools and appliances of any kind whatsoever, and to employ or contract with one or more other persons (or use its own forces) to finish the Subcontract Work and/or to correct or take other necessary action to bring the Subcontract Work into conformity with the requirements of the Subcontract Documents. In the event of termination for default, Subcontractor shall not be entitled to receive any further payment until the Subcontract Work shall be finished by or on behalf of the Contractor and payment in full has been made by Owner to Contractor. Upon completion of the Subcontract Work, if the unpaid balance of the Subcontract Sum received by Contractor from the Owner, exceeds the expenses incurred by Contractor in completing and correcting the Subcontract Work (plus any costs and damages sustained by Contractor due to Subcontractor's default, including attorneys' fees, costs of administration, and a reasonable allowance for overhead and profit), such excess shall be paid by Contractor to Subcontractor. However, if all expenses, costs and damages incurred by Contractor to complete

and/or correct the Subcontract Work (including costs, damages and reasonable attorneys' fees incurred by Contractor due to Subcontractor's default and a reasonable allowance for overhead and profit) shall exceed such unpaid balance of the Subcontract Sum received from the Owner, the Subcontractor and/or its surety, if any, shall be responsible for and pay to the Contractor the full amount of such deficiency. If Contractor terminates Subcontractor for cause and it is thereafter determined that Subcontractor was not in default, Contractor shall have the right to convert the termination for cause to a termination for Contractor's convenience under Section 13.3.

13.3 Contractor shall also have the right to terminate this Subcontract in its entirety by written notice and without the Subcontractor being at fault, if the particular Project is abandoned or for any other cause or for the Contractor's own convenience. Such termination shall be effective in the manner specified in the notice and without prejudice to any other Claims which Contractor may have against Subcontractor. Upon receipt of such notice, Subcontractor shall immediately discontinue the Subcontract Work, unless the notice directs otherwise, shall take all available steps to cancel Lower Tier Subcontracts and shall thereafter do only what may be necessary to protect and preserve the Subcontract Work already in place or in progress. If this Subcontract is terminated under this Section and without the Subcontractor being at fault, Contractor shall, subject to Section 7.6 of this Subcontract, pay for the properly completed Subcontract Work performed by Subcontractor prior to notice of termination, including a reasonable amount for overhead and profit attributable to the Subcontract Work actually performed, and any actual expenses incurred which are directly attributable to the termination, adjusted for amounts and damages, if any, for which Subcontractor is liable to Contractor and/or which Contractor is entitled to retain and/or withhold pursuant to the terms of the Subcontract Documents. Subcontractor shall not be entitled to receive anticipated profit, overhead, or other direct, indirect or consequential damages relating to portions of Work not performed because the Subcontract has been terminated. The payment provided by this Paragraph shall constitute Subcontractor's exclusive remedy in the event of such termination and, consistent with Section 7.6 of this Agreement, is subject to Contractor receiving payment from the Owner.

ARTICLE 14: OTHER PROVISIONS

14.1 The captions, titles and section headings used in this Subcontract are inserted only as a matter of convenience and for reference and in no way define, limit or describe the scope or intent of this Subcontract or any section, article or provision therein.

14.2 This Subcontract and the Subcontract Documents contain the entire integrated agreement between the Parties for the Project and supersede all prior negotiations, representations or agreements, either written or oral, as between the Parties with respect to the Project. No agreement hereafter made shall be effective to change, modify or discharge this Subcontract, in whole or in part, unless such agreement is in writing and signed by both Contractor and Subcontractor, except that Contractor shall have the unilateral right to issue Construction Change Directives as set forth in Article 9.

14.3 No action or failure to act by the Owner, Contractor or Architect shall constitute a waiver of any right or duty afforded any of them under the Subcontract Documents, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach by Subcontractor of its obligations under the Subcontract Documents, except as may be specifically agreed in writing.

14.4 Written notice required under this Subcontract shall be deemed to have been duly served at the time it is delivered in person, or upon receipt if sent by registered or certified mail, overnight delivery, or by email with confirmation of receipt.

14.5 Should either Party suffer injury or damage to person or property because of any act or omission of the other Party or of any of its employees, agents or others for whose acts it is legally liable, Claim shall be made in writing to such other Party within ten (10) days after the injury or damage was made known to the Party making Claim. This Section shall not apply to injury or damage to property caused by or resulting from breach of warranty or duty to correct defective work as provided in Article 10.

14.6 Subcontractor acknowledges the right of the Contractor to assign all or any portion of this Subcontract to the Owner or other third party as may be provided by the Subcontract Documents. Contractor shall furnish written notice of such assignment to Subcontractor and, upon Subcontractor's receipt thereof, the assignee shall succeed to the rights and obligations of Contractor under this Subcontract and, if applicable, under any surety bond furnished by Subcontractor, without recourse by Subcontractor against Contractor, except as such notice of assignment may otherwise provide.

14.7 Contractor and its subsidiaries are "Equal Opportunity Employers" and take affirmative actions to ensure that applicants are considered for employment without regard to race, color, religion, sex or national origin, including disabled veterans and veterans of the Vietnam era and prohibit discrimination because of physical or mental handicap. Subcontractor shall not discriminate against any employee or applicant for employment, with respect to hire, tenure, terms, conditions or privileges of employment, or any other matter directly or indirectly related to employment, because of race, sex, religion, color, national origin, ancestry, age, handicap, disabled veteran status and/or Vietnam era veteran status. Subcontractor further certifies that it shall at all times comply with all federal, state and local laws, rules, statutes, ordinances, regulations and requirements applicable to the Project regarding prohibition of discrimination in employment practices and affirmative action. Subcontractor shall in all solicitations or advertisements for employments placed by or on its behalf with respect to the Project, state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex or national origin.

14.8 If required by the Prime Contract, Subcontractor shall enroll in and be able to verify the work eligibility status of all hired employees of the Subcontractor through the E-Verify Program as set forth in the Illegal Immigration and Reform and Immigration Responsibility Act of 1996 (P.L.104-208), Division C, Title IV, § 403 (a), and as adopted by any applicable state law. Subcontractor is not required to verify the work eligibility status of all newly hired employees through the E-Verify Program if the E-Verify Program no longer exists. Prior to commencing its Services, Subcontractor shall sign and provide an affidavit, in a form acceptable to Contractor, affirming that the Subcontractor does not knowingly employ any unauthorized aliens. Neither Subcontractor nor any of its Lower Tier Subcontractors may knowingly (a) employ or contract with an unauthorized alien or (b) retain an employee or contract with a person that the Subcontractor or Lower Tier Subcontractor subsequently learns is an unauthorized alien. If Subcontractor uses Lower Tier Subcontractors to provide any services or other work under this Subcontract, Subcontractor must obtain certification from the Lower Tier Subcontractors that, at the time of certification, (a) the Lower Tier Subcontractors do not knowingly employ or contract with any

unauthorized aliens, and (b) have enrolled and are participating in the E-Verify Program.

14.9 Subcontractor, its officers, directors, employees or agents shall have no interest, direct or indirect, in any contract (express or implied, written or oral) relating to the Project, other than this Subcontract, nor shall Subcontractor receive any payment or benefit relating to the Project, other than as provided in this Subcontract, unless such interest or payment is fully disclosed to and approved by the Contractor, in advance and in writing.

14.10 This Subcontract shall be governed by the law of the State in which the Project is located.

14.11 If the Prime Contract contains a waiver of consequential damages as between Owner and Contractor, the Subcontractor and Contractor agree to waive claims against each other for consequential damages to the same extent, but not exceeding, the scope of the waiver included in the Prime Contract.

14.12 Contractor and Subcontractor acknowledge and agree that the Parties may transact business relating to this Subcontract and the Subcontract Documents electronically, and that either Parties' electronic signature shall have the same binding effect as an original, handwritten signature.

14.13 This Subcontract is signed by a corporate officer who has been duly authorized to execute this Subcontract on behalf of the party for whom he or she signs and to bind such party to all terms and conditions of this Subcontract.

This Subcontract is not valid unless signed by both Contractor and Subcontractor and, once fully executed, shall become effective on the date first above written.

CONTRACTOR: **Meyer Najem Construction, LLC**

BY: _____

PRINT NAME: _____

PRINT TITLE: _____

OR

Electronic Signature

SUBCONTRACTOR:

BY: _____

PRINT NAME: _____

PRINT TITLE: _____

OR

Electronic Signature

The signatures below are for Meyer Najem Construction, LLC Internal Use

Electronic Document Certification. By placing my electronic signature in the space provided, I attest to the certification of this document. The signature is only provided for electronic document certification and does not serve as a binding signature.

Meyer Najem Project Manager Approval. ( ) By placing my electronic signature in the space provided, I have reviewed this document for accuracy and revisions/comments by the subcontractor. The signature is only provided for electronic document approval and does not serve as a binding signature.

END OF DOCUMENT