

# ADDENDUM NO. 3

**August 19, 2022**

## **Additions and Renovations Hawthorne Elementary School**

8301 E. Rawles Avenue  
Indianapolis, IN 46219

### **TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated July 1, 2022, by CSO Architects. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 through ADD 3-2, and Addendum No. 3 from CSO Architects dated August 19, 2022, consisting of four (4) pages, Specification Section 09 68 16 – Sheet Carpeting, Cripe Addendum No. 3, Context Addendum, Addendum Drawings: C101, C401A, C501, L050, L103, L113, S101, S102, S711, S712, E102, E103.

#### **A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY**

1. Paragraph 3.30 Bid Categories:

#### **A. BID CATEGORY NO.1 – GENERAL TRADES**

Add the following clarification:

13. The retention and protection of any and all existing electronic/technical items during demolition including but not limited to speakers, internet hubs, low voltage wiring or other such devices which may be connected to or resting on existing ceilings is included in this scope of work. Assure that any such devices are retained in such manner to prevent damage during the Work. Photographically record any devices which are retained for future reference.
14. Unless specifically assigned to another Bid Category, see Addendum no. 2, storm and Sanitary sewers described on the Civil Drawings are included in this scope of work

**B. BID CATEGORY NO.2 – MASONRY**

Add the following Clarification:

3. Provision of masonry ties or other connectors which are to be welded or otherwise attached to steel or other construction included in Bid Category No.3 – Structural Steel shall be provided included in this scope of work.

**C. BID CATEGORY NO. 3 – STRUCTURAL STEEL**

Add the following Clarification:

3. Masonry ties which are to be welded or otherwise connected to steel or other construction included in Bid Category No.3 – Structural Steel shall be provided to the Bid Category No.3 by the Bid Category No 2 – Masonry Contractor. Installation of ties, including but not limited to welding, is included in this scope of work.

**E. BID CATEGORY NO. 5 – ROOFING**

Add the following Clarifications:

3. Metal Closure shown in Detail 8/A407 and any similar condition is included in this scope of work.
4. Unless specifically assigned to another bid category, any and all flashing of new construction including but not limited to roof penetrations and curbs is included in the scope of this work.

**L. BID CATEGORY NO. 12 – ELECTRICAL AND TECHNOLOGY**

Add the following clarification:

2. Subsequent to ceiling demolition, protection of and re-installation of any and all Owner's existing electronic/technical items including but not limited to speakers, internet hubs, low voltage wiring or other such devices which were connected to or resting on existing ceilings prior to demolition is included in this scope of work.

# ADDENDUM

ADDENDUM NO: 3

BID PACKAGE NO:

PROJECT: ADDITIONS AND RENOVATIONS TO HAWTHORNE ELEMENTARY SCHOOL

PROJECT NO: 2021054

DATE: August 19, 2022

BY: Lisa Roberson

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: ADD 1 of 4 through ADD 4 of 4

Attached Documents: SPECIFICATION SECTION 09 68 16 – SHEET CARPETING  
CRIPE Addendum #3 with Attachments  
CONTEXT Addendum #3 with Attachments  
LHB Addendum #3 with Attachments  
STAIR Associates, Inc. Addendum #3 with Attachments

## **PART 0 - GENERAL INFORMATION**

0.1 If you have trouble viewing downloaded PDFs, please contact

[Greg.Holman@easternengineering.com](mailto:Greg.Holman@easternengineering.com)

0.2 A list of planholders can be found on the Eastern Engineering website:

[https://www.csoplanroom.com/View/ViewJob.aspx?job\\_id=9598&view=ph](https://www.csoplanroom.com/View/ViewJob.aspx?job_id=9598&view=ph)

## **PART 1 - BIDDING REQUIREMENTS**

1.1 NOT USED

## **PART 2 - SPECIFICATIONS**

2.1 SECTION 00 00 20 – TABLE OF CONTENTS

A. Add SECTION 09 68 16 – SHEET CARPETING to Table of Contents (All Project Manual Volumes).

2.2 SECTION 08 11 13 – HOLLOW METAL DOORS AND FRAMES

A. ADD the following to Paragraph 2.01.A

8. De La Fontaine

2.3 SECTION 09 66 25

A. In SUMMARY 1.02.S DELETE the following:

1. "in existing stairways only"

2.4 SECTION 09 68 16 – SHEET CARPETING

A. ADD Specification Section in its entirety, attached to this Addendum.

2.5 SECTION 09 72 15 – DIGITAL WALL COVERINGS

A. DELETE all references to Operable Panel Partitions as follows:

1. DELETE 1.02.A.2
2. DELETE 1.02.B
3. DELETE from 2.02.I. the following: "and as coordinated with operable panel partition manufacturer's shop drawings."
4. DELETE from 2.03.I. the following: "and as coordinated with operable panel partition manufacturer's shop drawings."

**PART 3 - DRAWINGS**

ARCHITECTURAL

3.1 SHEET A401 – WALL SECTIONS

A. At 1/A401, ADD the following note to interior stool at high Gymnasium windows:

1. "12" Bullnose CONCRETE BLOCK WINDOW STOOL – MITER TO BULLNOSE JAMBS AT 45 DEGREE ANGLE TO CREATE NEAT JOINTS (TYPICAL)."

B. At 1/A401, ADD the following note to interior jambs at high Gymnasium window:

1. "12" Bullnose CONCRETE BLOCK WINDOW JAMBS – MITER TO BULLNOSE STOOL AT 45 DEGREE ANGLE TO CREATE NEAT JOINTS (TYPICAL)."

3.2 SHEET A404 – WALL SECTIONS

A. At WALL SECTION 2/A404:

1. REVISE note "3/4" EXTERIOR SHEATHING" to read "5/8" EXTERIOR GYPSUM SHEATHING"

3.3 SHEET A405 – WALL SECTIONS

A. At WALL SECTIONS 1/A405, 2/A405 and 5/A405:

1. REVISE note “3/4” EXTERIOR SHEATHING” to read “5/8” EXTERIOR GYPSUM SHEATHING”

3.4 SHEET A407 – VERTICAL CIRCULATION SECTIONS AND DETAILS

A. ADD the following note to SECTION DETAIL 8:

“METAL CLOSURE AT TOP OF CHASE TO BE 12 GA. METAL, BRACED AS MAY BE REQUIRED TO ELIMINATE DEFLECTION AND SLOPED TO MINIMIZE COLLECTION OF DUST AND DEBRIS. TRIM MAY BE ANCHORED WITH CLIPS (CONCEALED FASTENING SYSTEM) AS IF IT WERE A ROOF COPING OR FASCIA. CLOSURE TO COMPLETELY CLOSE OFF CHASE INCLUDING AT BLEACHER (NORTH) SIDE. OTHER ATTACHMENT OPTIONS WILL BE CONSIDERED. PAINT TO MATCH ADJACENT STRUCTURE ABOVE MASONRY.”

3.5 SHEET A501 – DOOR SCHEDULE AND FRAME ELEVATIONS

A. At Door and Frame Schedule, REVISE the following:

1. At Door A134A, REVISE Door Material to be HM (Hollow Metal)
2. At Door A134A, REVISE Door Finish to be PT (Paint)
3. At Door A134A, REVISE Door Elevation to be D5
4. At Door A134A, ADD #17 to Remarks Column

B. At Keyed Door Notes, ADD the following:

“17. DOOR A134A TO BE EXTRA-HEAVY-DUTY 16 GA HOLLOW METAL IN 14 GA HOLLOW METAL FRAME AND TO HAVE HEAVY DUTY BLOCKING/FRAMING AT HARDWARE LOCATIONS”

3.6 SHEET A602 – GYM INTERIOR ELEVATION

A. ADD Note at 1/A602 to read:

“PROVIDE GYPSUM BOARD BULKHEAD AT TOP OF WALL FROM 23’-4” A.F.F. TO UNDERNEATH SIDE OF ROOF DECK – ENTIRE WIDTH OF WALL – SEE 4/A406. COPE BULKHEAD AS REQUIRED FOR TIGHT FIT TO TOP CHORD OF JOISTS/SEATS AND TO DECK AND CAULK.”

3.7 SHEET A800 – FINISH LEGEND AND INFORMATION

- A. REVISE finish C4 BROADLOOM CARPET on Finish Legend as follows:

C4 BROADLOOM CARPET  
MFR: ~~TO BE DETERMINED~~ **SHAW CONTRACT**  
**COLLECTION: HAND DRAWN**  
STYLE: ~~TBD~~ **CONTÉ**  
COLOR: ~~TBD~~ **SLATE 13585**  
LOCATION: **STAIRS OF STORY TIME A154**

3.8 SHEET A801A – FIRST FLOOR FINISH PLAN – UNIT A

- A. REVISE west wall countertop finish tag in A159 FACULTY LOUNGE from ~~PL4~~ to **SS2**.

3.9 SHEET A801BC – FIRST FLOOR FINISH PLAN – UNIT B AND C

- A. REVISE countertop finish tag from ~~SS2~~ to **SS1** in the following classrooms:

1. B101, B102, B103, B104, B105, B106, B111, B112, B113, B117

3.10 SHEET A801D – FIRST FLOOR FINISH PLAN – UNIT D

- A. REVISE casework finish tag in D101 ART LAB from ~~PL2~~ to **PL3**.

**END ADDENDUM 3**

SECTION 09 68 16 – SHEET CARPETING

**ADDENDUM 3**

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: Tufted Carpet.
- B.

1.03 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
  - 2. Include installation recommendations for each type of substrate.
- B. Shop Drawings: Show the following:
  - 1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
  - 2. Carpet tile type, color, and dye lot.
  - 3. Type of subfloor.
  - 4. Type of installation.
  - 5. Pattern of installation.
  - 6. Pattern type, location, and direction.
  - 7. Pile direction.
  - 8. Type, color, and location of insets and borders.
  - 9. Type, color, and location of edge, transition, and other accessory strips.
  - 10. Transition details to other flooring materials.
- C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
  - 1. Carpet: 12-inch- (300-mm-) square Sample.
  - 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- (300-mm-) long Samples.
  - 3. Carpet Cushion: 6-inch- (150-mm-) square Sample.
  - 4. Carpet Seam: 6-inch (150-mm) Sample.
  - 5. Mitered Carpet Border Seam: 12-inch- (300-mm-) square Sample. Show carpet pattern alignment.
- D. Product Schedule: For carpet and carpet cushion. Use same designations indicated on Drawings.

1.04 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For carpet, for tests performed by a qualified testing agency.
- C. Sample Warranty: For special warranty.

1.05 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet to include in maintenance manuals. Include the following:
  - 1. Methods for maintaining carpet, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
  - 2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

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. Carpet: Full-width rolls equal to [5] <Insert number> percent of amount installed for each type indicated, but not less than 10 sq. yd. (8.3 sq. m).

1.07 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.
- B. Fire-Test-Response Ratings: Where indicated, provide carpet tile identical to those of assemblies tested for fire response according to NFPA 253 by a qualified testing agency.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Comply with CRI 104.

1.09 FIELD CONDITIONS

- A. Comply with CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at occupancy levels during the remainder of the construction period.
- C. Do not install carpet over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet before installing these items.



## 1.10 WARRANTY

- A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
  2. Failures include, but are not limited to, more than 10 percent edge raveling, snags, runs, dimensional stability, excess static discharge, loss of tuft bind strength, loss of face fiber, and delamination.
  3. Warranty Period: 10 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.01 PERFORMANCE REQUIREMENTS

- A. Fire Performance Characteristics: Provide carpeting that is identical to that tested for the following fire performance requirements, according to test method indicated, by UL or other testing and inspecting agency acceptable to authorities having jurisdiction.
1. Flammability: Passes Methenamine Pill Test per ASTM D 2859.
  2. Surface Burning Characteristics per ASTM E 84:
    - a. Flame Spread: Not more than 75.
    - b. Smoke Developed: Not more than 100.
  3. Critical Radiant Flux: Not less than 0.45 watts per sq. centimeter per ASTM E 648.
  4. Smoke Density: With flame, 15.4 minimum value; without flame, 9.1 minimum value per ASTM E 662.
- B. All submitted test numbers should represent average for standard production goods.
- C. Required Test Reports:
1. Pill Test / DOC-FF-1-70 (ASTM D-2589) - Requirement: Pass
  2. Flooring Radiant Panel / ASTM E-648 - Requirement: Class I (Above .45 w/cm)
  3. CRI VOC Chamber Test/Indoor Air Quality test (CRI-IAQ) Green Label Plus Test.
  4. Lightfastness: Rating of not less than 3 on International Grey Scale after 40 SFU's when tested in accordance with AATCC Test Method 16E.
  5. Crockfastness: Minimum stain rating on International Grey Scale of not less than 3 wet or dry when tested in accordance with AATCC Test Method 165.
  6. Atmospheric Fading: Burned Gas shall not be less than 3 on International Grey Scale after two cycles on each test as per AATCC Test Method 129 Ozone and AATCC Test Method 23.

### 2.02 TUFTED CARPET

- A. Basis-of-Design Product: The design for carpet tile is based on product indicated on Drawings in Material Finish Schedule, Material Finish Legend, and Finish Plans. Subject to compliance with requirements, another manufacturer's product of a similar and equivalent nature will be acceptable when, in the Architect's sole judgment rendered

during the Bidding period, differences do not materially detract from the design concept or intended performance.

- B. Fiber Content: 100 percent nylon 6, 6 .
- C. Primary Backing/Backcoating: Manufacturer's standard composite materials .
- D. Secondary Backing: Manufacturer's standard material .
- E. Applied Soil-Resistance Treatment: Manufacturer's standard material .
- F. Antimicrobial Treatment: Manufacturer's standard material .
- G. Performance Characteristics: As follows:
  - 1. Appearance Retention Rating: Severe traffic, 3.5 minimum according to ASTM D 7330.
  - 2. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm.
  - 3. Dry Breaking Strength: Not less than 100 lbf (445 N) according to ASTM D 2646.
  - 4. Tuft Bind: Not less than 8 lbf (36 N) according to ASTM D 1335.
  - 5. Delamination: Not less than 4 lbf/in. (18 N/mm) according to ASTM D 3936.
  - 6. Dimensional Tolerance: Within 1/32 inch (0.8 mm) of specified size dimensions, as determined by physical measurement.
  - 7. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
  - 8. Resistance to Insects: Comply with AATCC 24.
  - 9. Noise Reduction Coefficient (NRC): according to ASTM C 423.
  - 10. Colorfastness to Crocking: Not less than 4, wet and dry, according to AATCC 165.
  - 11. Colorfastness to Light: Not less than 4 after 60 AFU (AATCC fading units) according to AATCC 16, Option E.
  - 12. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.
  - 13. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.
  - 14. Emissions: Provide carpet tile that complies with testing and product requirements of CRI's "Green Label Plus" program.

## 2.03 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet tile and is recommended by carpet tile manufacturer for releasable installation.
  - 1. Adhesives shall have a VOC content of 50 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- C. Metal Edge/Transition Strips: Extruded aluminum with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance. Examine carpet tile for type, color, pattern, and potential defects.
- B. Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710 and the following:
  - 1. Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by carpet tile manufacturer.
  - 2. Subfloor finishes comply with requirements specified in Section 03 30 00 "Cast-in-Place Concrete" for slabs receiving carpet tile.
  - 3. Subfloors are free of cracks, ridges, depressions, scale, and foreign deposits.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.02 PREPARATION

- A. General: Comply with CRI 104, Section 7.3, "Site Conditions; Floor Preparation," and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile installation.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3 mm) wide or wider and protrusions more than 1/32 inch (0.8 mm) unless more stringent requirements are required by manufacturer's written instructions.
- C. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by carpet tile manufacturer.
- D. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

#### 3.03 INSTALLATION

- A. General: Comply with CRI 104, and with carpet manufacturer's written installation instructions for the following:
  - 1. Direct-Glue-Down Installation: Comply with CRI 104, Section 9, "Direct Glue-Down Installation."
  - 2. Stair Installation: Comply with CRI 104, Section 13, "Carpet on Stairs" for glue-down installation.

- B. Comply with carpet manufacturer's written recommendations and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.
- C. Do not bridge building expansion joints with carpet.
- D. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.
- E. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.
- G. Maintain dye lot integrity. Do not mix dye lots in same area.
- H. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- I. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- J. Install pattern parallel to walls and borders.

### 3.04 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
  - 1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet tile manufacturer.
  - 2. Remove yarns that protrude from carpet tile surface.
  - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet to comply with CRI 104, Section 16, "Protecting Indoor Installations."
- C. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION



Solutions by Design Since 1937

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www.cripe.biz

August 19, 2022

**RE: 2021054**  
Additions and Renovations  
Hawthorne Elementary School  
MSD of Warren Township

**Revised items:**

Sheet C101:

1. Added requirement for contractor to pothole the existing sanitary sewers along the west side of Unit "B" as well as along the north side of the existing building.
2. Added the demolition of the existing trees along the west side of Unit "B".
3. Added the demolition of the existing sanitary sewer along the west side of Unit "B" after the architect and engineer have reviewed the pothole data.

Sheet C401A

1. Revised the limits of the silt fence for the initial phase of the demolition project.

Sheet C501:

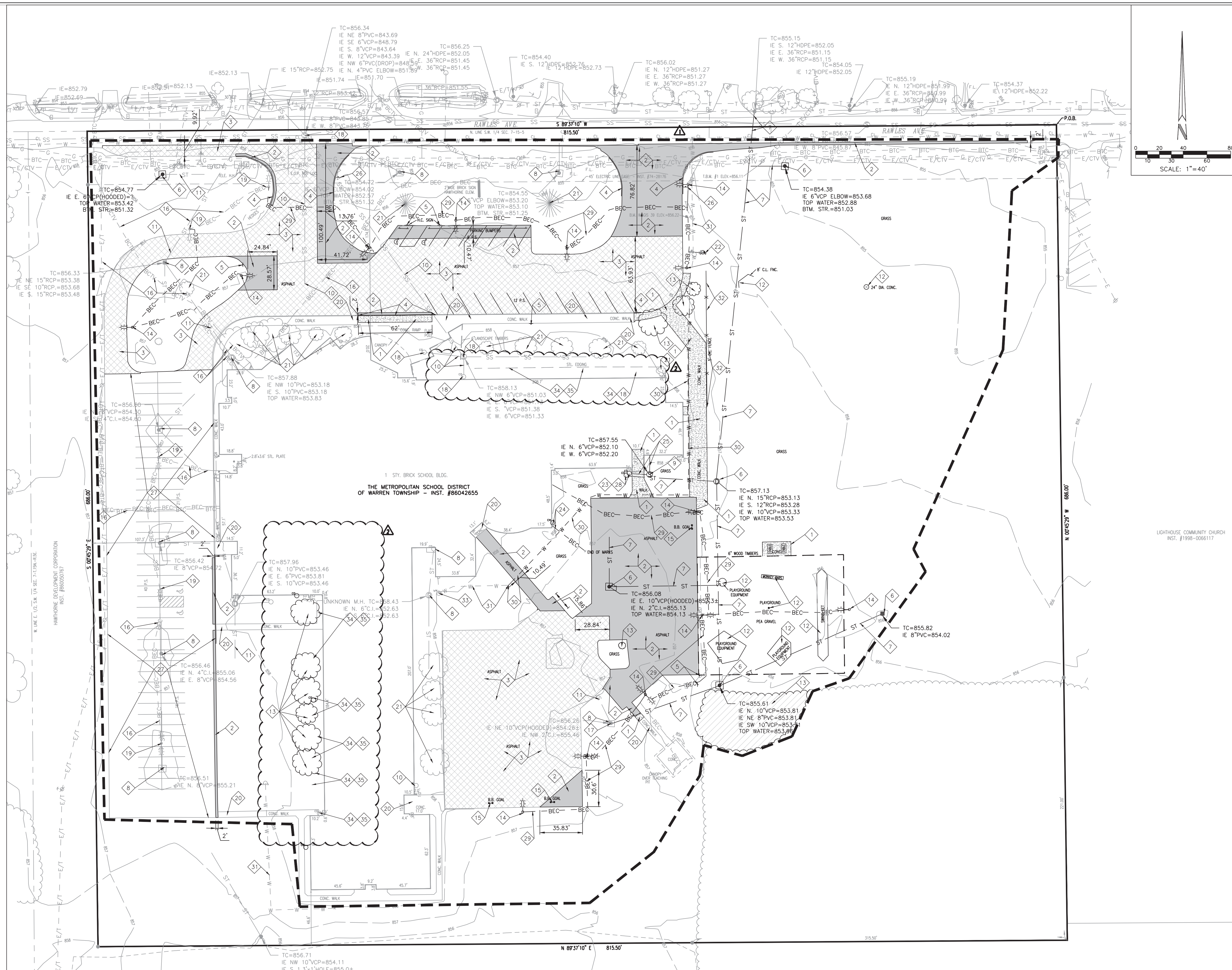
1. Removed the requirement to clean and CCTV the sanitary line directly adjacent to the north side of building the that is to be removed.
2. Added the installation of 6" sanitary sewer, five (5) lateral connections and three (3) clean-outs to replace the existing sanitary sewer along the west side of Unit "B" once the existing pothole info form the existing line is reviewed by the architect and engineer.

Sincerely,

**CRIFE | Engineering**

David Kuehnen, PE  
Senior Design Engineer

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- 34 CONTRACTOR TO VERIFY LOCATION, SIZE, MATERIAL AND INVERT OF EXISTING SANITARY SEWER THROUGH POT-HOLING. THE RESULTS OF THE POT-HOLING SHALL BE FORWARDED TO THE ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO COMMENCING THE WORK.
- 35 EXISTING SANITARY SEWER TO BE REMOVED AFTER POT-HOLING INFORMATION HAS BEEN REVIEWED BY THE ARCHITECT AND ENGINEER.
- 36 SIGN TO BE REMOVED AND SAVED FOR REUSE.
- 37 SEALCOAT ASPHALT PAVEMENT AREA (REFER TO MATERIALS AND NOTES SHEET L101.)
- 38 REMOVE CLEANOUT. CONTRACTOR TO COORDINATE WITH MEP AND ARCHITECTURAL PLANS FOR CONNECTION TO EXISTING PIPE AND THE CONTINUATION WITHIN THE PROPOSED BUILDING.
- 39 REMOVE BURIED ELECTRIC LINE. COORDINATE WITH ELECTRICAL PLANS.
- 40 REMOVE WATERLINE.
- 41 WATERLINE TO REMAIN.
- 42 REMOVE FENCE.
- 43 ADJUST WATER METER CASTING TO PROPOSED GRADE. CASTING TO BE REPLACED WITH TRAFFIC RATED CASTING.
- 18 SANITARY STRUCTURE AND SEWER TO REMAIN.
- 19 LIGHT POLE TO REMAIN. COORDINATE WITH SITE ELECTRICAL PLANS.
- 20 EXISTING SIDEWALK TO REMAIN.
- 21 EXISTING TREE TO REMAIN. REFER TO TREE PROTECTION PLAN SHEET L001.
- 22 EXISTING FIRE HYDRANT TO BE RELOCATED. SEE SHEET C501.
- 23 COORDINATE ROOF DRAIN REMOVAL OR CONTINUATION WITH MEP AND ARCHITECTURAL PLANS.
- 24 REMOVED BURIED ELECTRIC LINE.
- 25 REMOVE SANITARY SEWER. COORDINATE WITH MEP PLANS.

### EXISTING CONDITIONS LEGEND

SS	SANITARY SEWER & MANHOLE	GP	POWER POLE
ST	STORM SEWER, END SECTION, INLET & M.A.	GW	UTILITY RISER, TELEPHONE, ELECTRIC & CABLE TV
G	GAS LINE	ET	ELECTRIC TRANSFORMER
W	WATER LINE	AE	AIR CONDITIONER UNIT
E	ELECTRIC LINE (AERIAL)	SL	STREET LIGHT
TE	TELEPHONE LINE (AERIAL)	LP	LIGHT POLE
CTV	CABLE TELEVISION (AERIAL)	FL	FLOOD LIGHT
BTC	BURIED TELE. CABLE	TM	TRAFFIC MANHOLE AND SIGNAL POLE
BEC	BURIED ELEC. CABLE	FR	FIRE HYDRANT
BFC	BURIED FENCE (FNC)	VC	VALVE, GAS & WATER
BCTV	BURIED CABLE TV	ST	STREET SIGN
GR	GUARDRAIL	WR	RIGHT OF WAY LINE (R/W)
PR	PROPERTY LINE	EM	ELECTRIC, GAS AND WATER METER
EL	EASEMENT LINE	PM	PIPELINE MARKER POST
CL	CENTER LINE	MB	MAILBOX
SL	SWALE LINE	GP	GUARD POST
D	DEED DIMENSION	SR	SPRINKLER HEAD
M	MEASURED DIMENSION	IC	IRRIGATION CONTROL BOX
P	PLAT DIMENSION		
R	RADIUS		
L	ARC LENGTH		
H.H.	HANDHOLE	MW	MONITORING WELL
FO	FOUND	FS	FIRE SERVICE STAND PIPE
CONC.	CONCRETE	GV	GAS VENT PIPE
ASPH.	ASPHALT	STL	SEPTIC TANK LID
TC	TOP OF CASTING ELEVATION	WC	WELL CAP
I	INVERT ELEVATION	AR	AIR RELIEF VALVE
FFE	FINISH FLOOR ELEVATION	UG	UNDERGROUND TANK FILLER PIPE
TBM	TEMPORARY BENCHMARK	WC	WELL CAP

● DENOTES A 5/8" DIA. REBAR WITH YELLOW PLASTIC CAP SET, CAP STAMPED "CRPE FIRM NO. 0055" UNLESS OTHERWISE NOTED.

○ DENOTES A MAG. NAIL WITH WASHER SET, WASHER STAMPED "CRPE FIRM NO. 0055" UNLESS OTHERWISE NOTED.

1.2.3 SITE ADDRESS

### DEMOLITION PLAN LEGEND

SAW	SAWCUT AND REMOVE ASPHALT FROM SITE	TR	TREE REMOVAL	SC	SAWCUT AND REMOVE CONCRETE FROM SITE
CON	CONSTRUCTION LIMITS	MILL	MILL ASPHALT SURFACE		

- ### DEMOLITION PLAN NOTES
- UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - THE CONTRACTOR SHALL COORDINATE ALL WORK ASSOCIATED WITH THE ABANDONMENT, REMOVAL, RELOCATION, AND INSTALLATION OF UTILITIES WITH EVERY UTILITY COMPANY AND OBTAIN THEIR APPROVAL PRIOR TO PERFORMING ANY UTILITY WORK.
  - ALL DEMOLISHED MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED, AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
  - CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER SHEET C401-C403 PRIOR TO COMMENCING DEMOLITION.
  - MAINTAIN PROPER DRAINAGE IN DEMOLITION AREAS.
  - SAWCUT CONCRETE AND ASPHALT SURFACES AS NOTED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO ALL BUILDINGS AND/OR SITE ENTRANCES THAT ARE TO REMAIN.
  - THE CONCRETE TO BE SAWCUT SHALL BE SAWCUT TO THE NEAREST CONCRETE JOINT BEYOND THE LIMITS ILLUSTRATED. NOTIFY ENGINEER IF JOINT IS OVER ONE (1) FOOT FROM LINE SHOWN.
  - REMOVAL OR RELOCATION OF ALL LANDSCAPING MUST BE COORDINATED WITH OWNER.
  - OVERHEAD AND/OR UNDERGROUND ELECTRIC AND TELEPHONE CABLES THAT ARE SHOWN TO BE ABANDONED IN PLACE MAY BE CUT AS NECESSARY TO FACILITATE NEW CONSTRUCTION. CONTRACTOR SHALL ENSURE THAT LINES ARE NOT ACTIVE PRIOR TO CUTTING AND OBTAIN UTILITY COMPANY APPROVAL PRIOR TO PERFORMING ANY DEMOLITION.
  - WATER LINES SHALL NOT BE ABANDONED OR DEMOLISHED UNTIL PROPER WATER MAINS HAVE BEEN INSTALLED TO A POINT SUCH THAT ONLY MINIMAL DISRUPTION IN WATER SERVICE TO THE EXISTING OCCUPIED BUILDINGS WILL OCCUR. CONTRACTOR TO COORDINATE ANY SERVICE SHUT DOWN WITH THE BUILDING OWNER AT LEAST 72 HOURS PRIOR TO SCHEDULING SHUT DOWN.
  - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION OR REDISIGN MAY OCCUR.
  - CONTRACTOR TO ESTABLISH NEW LOCAL SURVEY CONTROL SYSTEM (VERTICAL AND HORIZONTAL) PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. MANY TEMPORARY BENCHMARKS UTILIZED IN THE PREPARATION OF THE TOPOGRAPHIC SURVEY FOR THE DESIGN WILL BE RELOCATED AS PART OF CONSTRUCTION.

### KEYNOTE LEGEND

1	SAWCUT AND REMOVE CONCRETE SIDEWALK TO THE NEAREST CONCRETE JOINT BEYOND THE LIMITS ILLUSTRATED. NOTIFY ENGINEER IF JOINT IS OVER ONE (1) FOOT FROM LINE SHOWN.
2	SAWCUT AND REMOVE ASPHALT AND COMPACTED GRANULAR SUBBASE.
3	MILL ASPHALT SURFACE 1 1/2 INCHES.
4	SAWCUT AND REMOVE CONCRETE CURB.
5	REMOVE EXISTING SIGN, POST AND FOUNDATION. CONTRACTOR TO COORDINATE SALVAGING SIGN WITH OWNER.
6	REMOVE STORM STRUCTURE AND CASTING.
7	REMOVE STORM SEWER PIPE.
8	STORM SEWER STRUCTURE TO REMAIN.
9	REMOVE SANITARY STRUCTURE AND CASTING. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND MEP PLANS FOR CONTINUATION OF THE SANITARY LATERAL FROM THE BUILDING.
10	SANITARY SEWER TO REMAIN. CONTRACTOR TO COORDINATE WITH MEP AND ARCHITECTURAL PLANS FOR MORE INFORMATION AND THE CONTINUATION WITHIN THE PROPOSED BUILDING.
11	STORM SEWER PIPE TO REMAIN.
12	REMOVE PLAYGROUND EQUIPMENT AND APPURTENANCES.
13	REMOVE TREE, SHRUBS, UNDERBRUSH, LANDSCAPING AND VEGETATION INCLUDING ROOT BALLS.
14	REMOVE LIGHT POLE AND FOUNDATION. COORDINATE WITH SITE ELECTRICAL PLANS AND UTILITY COMPANY. CONTRACTOR TO COORDINATE WITH OWNER IF LIGHT FIXTURE IS TO BE SALVAGED.
15	REMOVE GOAL POST.
16	UTILITY TO REMAIN.
17	ADJUST CASTING TO PROPOSED GRADE PER SHEET C301.



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 317.446.9491 | westport.com

**Cripe**  
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 INDIANAPOLIS, INDIANA 46240  
 WWW.CRPE.COM

**PROJECT:**  
 MSD OF WARREN TOWNSHIP  
**HAWTHORNE ELEMENTARY SCHOOL  
 RENOVATION & ADDITION**  
 8301 RAWLIES AVE., INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
 These drawings include the general scope of the project in terms of site location, existing conditions, and dimensions of all utility and drainage systems. The contractor shall be responsible for the performance and completion of all work required for the performance and completion of the project. On the basis of the general scope indicated on these drawings, the contractor shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**  
 REV 01 ADDENDUM #02 08/10/22  
 REV 02 ADDENDUM #03 08/19/22

ISSUE DATE	DRAWN BY	CHECKED BY
2022-06-27	D.KUJHENEN	S.PIERRE

**DRAWING TITLE:**  
**EXISTING CONDITIONS AND DEMOLITION PLAN**

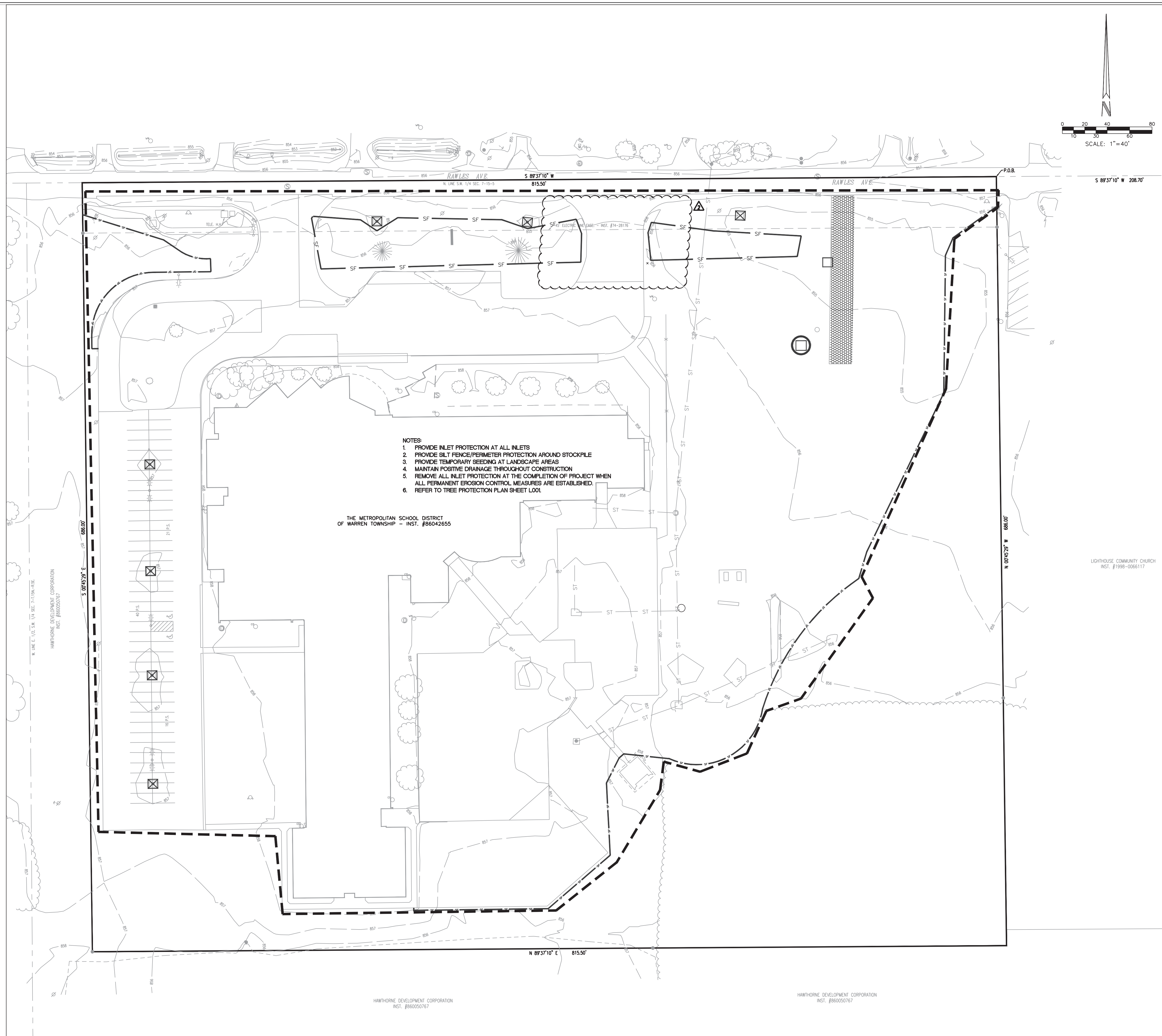
**CERTIFIED BY:**

**DRAWING NUMBER:**  
**C101**

**PROJECT NUMBER:**  
**2020061**  
 CRPE No. 200985-2000



81  
 1-800-382-5544  
 FOR CALLS IN INDIANA



- NOTES:**
1. PROVIDE INLET PROTECTION AT ALL INLETS
  2. PROVIDE SILT FENCE/PERIMETER PROTECTION AROUND STOCKPILE
  3. PROVIDE TEMPORARY SEEDING AT LANDSCAPE AREAS
  4. MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION
  5. REMOVE ALL INLET PROTECTION AT THE COMPLETION OF PROJECT WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED
  6. REFER TO TREE PROTECTION PLAN SHEET L004

THE METROPOLITAN SCHOOL DISTRICT  
OF WARREN TOWNSHIP - INST. #86042655

LOTHORNE COMMUNITY CHURCH  
INST. #1998-006117

HAWTHORNE DEVELOPMENT CORPORATION  
INST. #86050767

HAWTHORNE DEVELOPMENT CORPORATION  
INST. #86050767

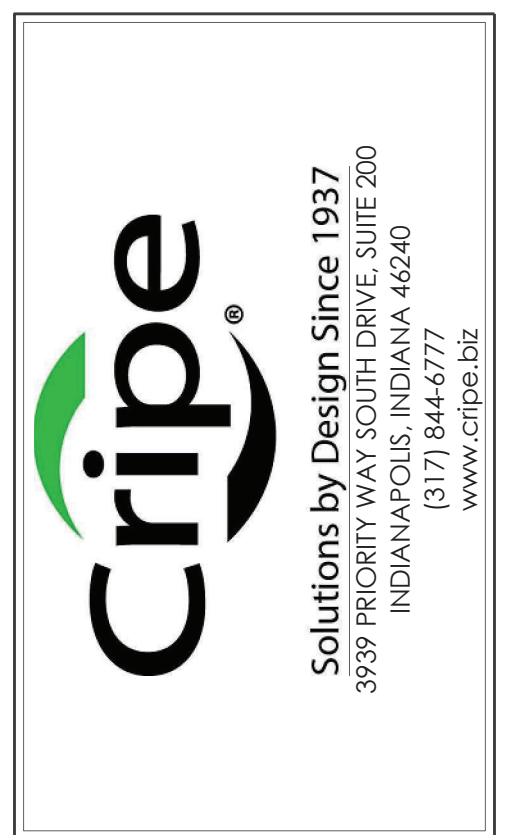
**STORMWATER POLLUTION PREVENTION PLAN LEGEND**

	TREE PRESERVATION FENCING (REFER TO TREE PROTECTION PLAN)		TEMPORARY CONSTRUCTION INGRESS/EGRESS DRIVE. ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPIRE TOPSOIL, AND PERMANENT SEED ENTIRE AREA.
	SILT FENCE BARRIER INSTALLATION/CONSTRUCTION LIMITS		PERMANENT SEEDING
	CONSTRUCTION LIMITS		GEOTEXTILE FABRIC YARD DROP INLET PROTECTION
	PERMANENT SEEDING WITH EROSION CONTROL BLANKET (NAG SC150 OR EQUAL)		INSERT (BAG) INLET PROTECTION
	CONTRACTOR STAGING AREA SHALL UTILIZE THE EXISTING ASPHALT AREA. CONTRACTOR SHALL REPAIR ALL DAMAGED ASPHALT WITHIN THE AREA UPON COMPLETION OF THE PROJECT AND SHALL MEET THE STANDARDS AS DICTATED ON DETAILS.		INSERT (BAG) CURB INLET PROTECTION WITH CURB FILTER
	CONCRETE WASHOUT		CONCRETE END SECTION RIPRAP (UPPER AND LOWER INV)
	GRAVEL DONUT INLET PROTECTION		CONCRETE WASHOUT

- STORMWATER POLLUTION PREVENTION PLAN NOTES**
1. REFER TO SHEET C403 FOR SOILS MAP AND SOIL CHARACTERISTICS.
  2. REFER TO SHEET C402 FOR STORMWATER POLLUTION PREVENTION PLAN DETAILS.
  3. REFER TO LANDSCAPE PLANS FOR PLANTING DETAILS. ANY MOUNDING NOTED ON LANDSCAPE PLANS SHALL NOT CHANGE THE DRAINAGE PATTERN NOTED IN THE GRADING PLAN SERIES 300'S.
  4. SILT FENCE BARRIER TO BE INSTALLED PRIOR TO CONSTRUCTION.
  5. EROSION CONTROL MEASURES TO BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
  6. REFER TO THE STORMWATER POLLUTION PREVENTIONS NOTES SHEET C403 FOR ALL EROSION CONTROL MEASURES, SCHEDULES, AND SEQUENCES.
  7. CONTRACTOR TO PROVIDE A STABLE TEMPORARY GRAVEL CONSTRUCTION INGRESS/EGRESS CONDITION FROM THE CONSTRUCTION SITE TO KEEP MUD AND SEDIMENT OFF PUBLIC ROADS.
  8. EROSION CONTROL MAINTENANCE - SITE TO BE INSPECTED AT LEAST ONCE A WEEK AND MAKE REPAIRS IMMEDIATELY AFTER PERIODS OF 1/2" RAINFALL OR GREATER.
  9. STORMWATER DISCHARGE WILL NOT ENTER THE GROUNDWATER FOR THIS PROJECT.
  10. THE 100 YEAR FLOODPLAIN FLOODWAYS ARE NOT PRESENT ON THIS SITE.
  11. CONTRACTOR SHALL PROVIDE THE DEPARTMENT OF BUSINESS & NEIGHBORHOOD SERVICES OF THE CITY OF INDIANAPOLIS WITH A NARRATIVE DESCRIBING THE CONSTRUCTION SEQUENCE, INCLUDING START DATES FOR EACH LAND DISTURBING ACTIVITY.
  12. THE ACTUAL PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL SHALL BE DETERMINED DURING THE BIDDING PROCESS. THE AWARD WINNING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. ONCE DETERMINED, CONTRACTOR SHALL COORDINATE WITH THE CITY.
  13. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REVISION MAY OCCUR.
  14. ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN CONFORMANCE WITH CHAPTER 600 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLOCATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.
  15. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

- STORMWATER POLLUTION PREVENTION PLAN SEQUENCE AND IMPLEMENTATION**
1. INSTALL CONSTRUCTION FENCING AND GATES IF REQUIRED.
  2. INSTALL SILT FENCING. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING WATER OR OTHER APPROVED METHODS.
  3. IDENTIFY CONSTRUCTION STAGING AREA, CONCRETE WASHOUT AREAS, MATERIAL STORAGE AND TOPSOIL STOCKPILE AREAS. EACH AREA SHALL BE PROPERLY PROTECTED AND DELINEATED PRIOR TO CONSTRUCTION.
  4. THE IDEM NO. IF REQUIRED, AND CONTACT INFORMATION FOR THE PERSON WITH ON-SITE RESPONSIBILITIES MUST BE POSTED ON-SITE.
  5. IDEM AND THE LOCAL CITY AGENCY MUST BE NOTIFIED WITHIN 48 HOURS OF COMMENCING CONSTRUCTION.
  6. CONTACT INDIANA UNDERGROUND PLANNED PROTECTION SYSTEMS, INC. ("INDIANA B11") FOR UNDERGROUND UTILITY LOCATIONS. (1-800-382-5544).
  7. BEFORE OPENING UP THE SITE, FIRST EVALUATE, MARK AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOT ZONES, UNIQUE AREAS TO BE PRESERVED (I.E. WETLANDS), STREAMS, LAKES OR EXISTING VEGETATION SUITABLE FOR USE AS FILTER STRIPS (ESPECIALLY IN PERIMETER AREAS).
  8. FIRST, STRIP AND STOCKPILE TOPSOIL ON-SITE.
  9. BEGIN MASS EARTHWORK FOR PROPOSED IMPROVEMENTS.
  10. REPAIR ANY SILT FENCING IF DAMAGED. IF SILT IS 1/3 HEIGHT OF FABRIC, REMOVE SILT AND REPLACE TO ORIGINAL CONDITION.
  11. IMMEDIATELY AFTER GRADING, APPLY SURFACE STABILIZATION PRACTICES ON ALL GRADED AREAS, USING PERMANENT MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN. HOWEVER, IF WEATHER DELAYS PERMANENT STABILIZATION, TEMPORARY SEEDING AND/OR MULCHING MAY BE NECESSARY AS A PROVISIONAL MEASURE. ALSO STABILIZE (USING TEMPORARY SEEDING/MULCHING OR OTHER SUITABLE MEANS) ANY DISTURBED AREA WHERE ACTIVE CONSTRUCTION WILL NOT TAKE PLACE FOR 15 WORKING DAYS.
  12. AFTER CONSTRUCTION AND FINAL GRADING, PERMANENTLY STABILIZE ALL DISTURBED AREAS. ALSO REMOVE TEMPORARY RUNOFF CONTROL STRUCTURES, ANY UNSTABLE SEDIMENT AROUND THEM, AND STABILIZE THOSE AREAS WITH PERMANENT SEEDING AND EROSION CONTROL BLANKET IF NECESSARY.
  13. MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

**Person Responsible for Installation and Maintenance of Erosion and Sediment Control Practices:**  
Name: TBD  
Business Address: TBD  
Phone: TBD



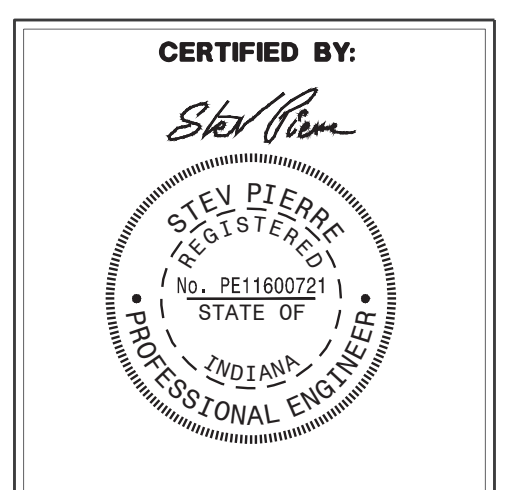
**PROJECT:**  
MSD OF WARREN TOWNSHIP  
**HAWTHORNE ELEMENTARY SCHOOL  
RENOVATION & ADDITION**  
8301 RAWLES AVE., INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
These drawings include the general scope of the project in terms of site location, site characteristics, and the location of all utility and drainage systems. The drawings do not necessarily include or describe all work required for the performance and completion of the project. On the basis of the general scope included or described, the contractor shall furnish all items required for the proper installation and completion of the work.

**REVISIONS:**  
REV 01 ADDENDUM #01 08/03/22  
REV 02 ADDENDUM #03 08/19/22

**ISSUE DATE**    **DRAWN BY**    **CHECKED BY**  
2022-06-27    D.KUIHINEN    S.PIERRE

**DRAWING TITLE:**  
**STORMWATER  
POLLUTION  
PREVENTION  
PLAN**

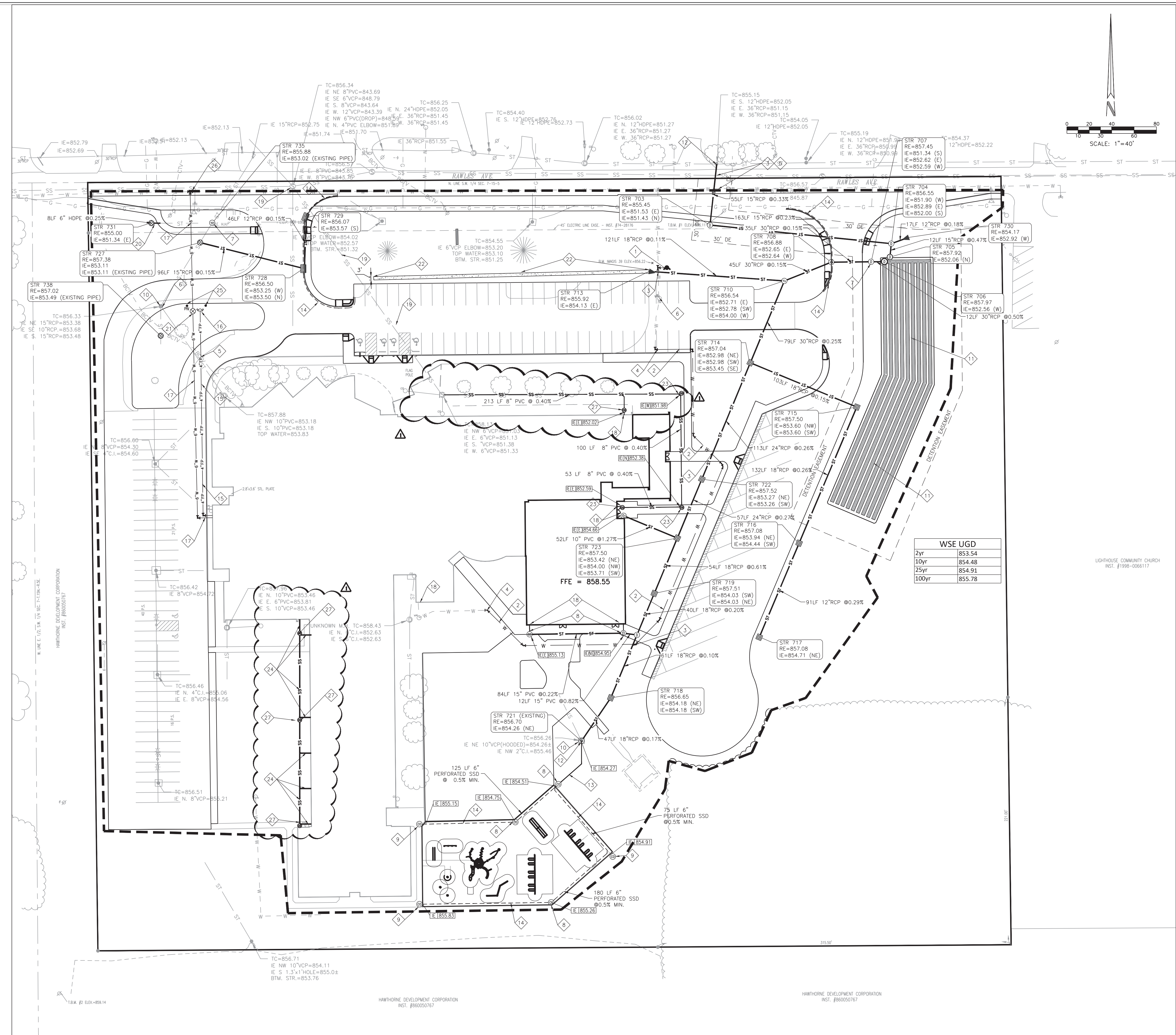


**DRAWING NUMBER**  
**C401A**

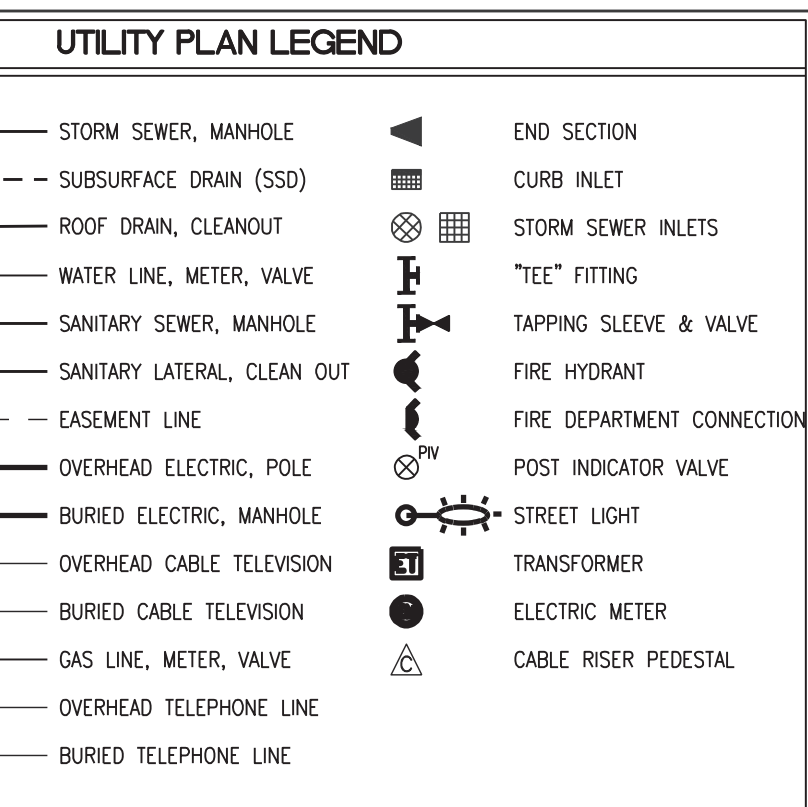
**PROJECT NUMBER**  
**2020061**  
CRIPE No. 200085-2000



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WSE UGD	
2yr	853.54
10yr	854.48
25yr	854.91
100yr	855.78

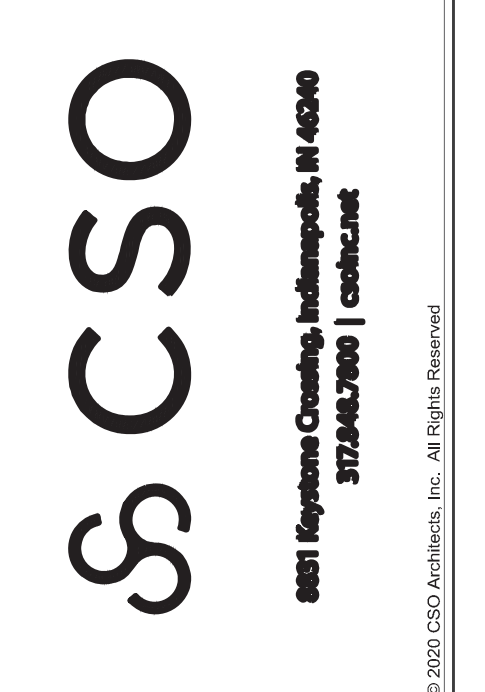


**UTILITY PLAN NOTES:**

- SEE ARCHITECTURAL PLUMBING PLANS FOR PLUMBING DETAILS TO AREAS FIVE (5) FEET OUTSIDE AND INSIDE OF THE PROPOSED STRUCTURE.
- SITE CONTRACTOR TO VERIFY ALL BUILDING LATERALS WITH PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.
- SITE UTILITY CONTRACTOR TO VERIFY BUILDING CONNECTION LOCATIONS AND ELEVATIONS WITH MEP AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
- WATER AND SEWER CROSSINGS AND SEPARATIONS SHALL BE IN ACCORDANCE WITH "TEN STATE STANDARDS" AND LOCAL CODES.
- WATER LINES THROUGHOUT THE PROJECT SHALL BE INSTALLED WITH AT LEAST 54 INCHES OF COVER TO PROVIDE PROTECTION FROM FREEZING.
- PLASTIC WATER LINES SHALL BEAR THE NSF SEAL OF APPROVAL AND MEET COMMERCIAL STANDARD NO. 258-3 PRODUCT STANDARD 22-70, OR ASTM D 2441.
- ALL SUB-SURFACE DRAIN (SSD) SHALL BE 6" PERFORATED DUAL WALL HOPE UNLESS NOTED OTHERWISE.
- INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RIM ELEVATION.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REVISION MAY OCCUR.
- WHERE CONNECTIONS ARE MADE TO EXISTING MANHOLES OR INLET STRUCTURES, THOSE STRUCTURES SHALL BE REHABILITATED OR REPLACED TO THOSE MINIMUM STANDARDS OUTLINED IN CHAPTERS 400 AND 500 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. THE REHABILITATION SHALL INCLUDE THE INSTALLATION OF BENCH WALLS, AS WELL AS PRESCRIBED MEASURES TO ELIMINATE THE POTENTIAL FOR MIGRATION OF BACKFILL MATERIALS INTO THE STORMWATER SYSTEM.
- ALL EXISTING UTILITY STRUCTURES, MANHOLES AND CATCH BASIN GRATES SHALL BE ADJUSTED TO NEW FINISHED GRADE ELEVATION.
- ALL UTILITY STRUCTURES IN PAVED AREAS SHALL BE TRAFFIC BEARING AND SHALL BE FLUSHED WITH ADJACENT PAVEMENT.

**KEYNOTE LEGEND**

- FIRE HYDRANT ASSEMBLY, INCLUDING TAPPING SLEEVE AND GATE VALVE (PER CEG AND FIRE DEPARTMENT STANDARDS).
- 4" O I WATER SERVICE LINE (PER CEG ENERGY GROUP STANDARDS).
- A MINIMUM 10 HORIZONTAL FEET AND 18 VERTICAL INCHES ARE REQUIRED BETWEEN WATER AND UTILITY (GAS/STORM/SANITARY). IF CONFLICT OCCURS, LOWER WATERLINE.
- CONNECT TO EXISTING 6" WATERLINE.
- IF 18" SEPARATION CANNOT BE MAINTAINED, PROVIDE SANITARY SEWER CONCRETE ENCASEMENT 5' EACH WAY OF CENTERLINE OF STORM SEWER CROSSING.
- ADJUST CASTING TO PROPOSED GRADE. CONTRACTOR TO VERIFY THAT CASTING IS TRAFFIC RATED IN PAVEMENT AREA. IF NOT, TRAFFIC RATED CASTING IS REQUIRED.
- INLINE WATER QUALITY UNIT AQUASWIRL (REFER TO STRUCTURE DATA TABLE ON SHEET C502)
- INLINE STORM SEWER CLEANOUT
- TERMINAL STORM SEWER CLEANOUT
- CLEAN AND VACUUM DEBRIS FROM THE EXISTING SEWER INLETS, STRUCTURES AND PIPES.
- UNDERGROUND DETENTION SYSTEM:
- PERFORATED CMP - CONTECH: 2,100 LINEAR FEET OF 36" x 48" CMP. SYSTEM TO PROVIDE 22,500 CUBIC FEET OF STORAGE WITH 3.5' OF STAGE INCLUDING 6" OF BASE STONE AND CLEAN STONE BACKFILL.
- CORE DRILL STRUCTURE TO INSTALL PROPOSED PIPE.
- 6" SOLID HOPE @ 0.50%
- 6" PERFORATED DUAL WALL HOPE SUBSURFACE DRAIN @ 0.50% AND CAP END. SEE PLAN FOR LIMITS
- 4" DI FIRE PROTECTION LINE (PER CEG ENERGY GROUP STANDARDS).
- FREE STANDING FIRE DEPARTMENT CONNECTION (FDC) PAINTED RED. THE FDC SHALL BE A SAMOSE CONNECTION (2 x 2 1/2" INTERNAL THREADED FEMALE SWIVEL FITTINGS).
- 6" DI FIRE PROTECTION LINE (PER CEG ENERGY GROUP STANDARDS).
- SEE MECHANICAL AND PLUMBING PLANS FOR CONTINUATION OF UNDERGROUND UTILITIES.
- CLEANING AND CCTV INSPECTION OF SANITARY SEWER MAIN FROM THE NEW LATERAL CONNECTION TO THE MANHOLE LOCATED IN RAWLIES AVE. SEWER MAIN HAVE TO BE REPLACED.
- RELOCATED EXISTING STORM STRUCTURE AND PROVIDE STORM SEWER PIPE EXTENSION. CONNECT TO EXISTING PIPE WITH FLEXIBLE CONNECTION.
- POST INDICATOR VALVE
- 3.0' CONCRETE BOTTOM SWALE
- SANITARY SEWER CLEANOUT
- 6" PVC SANITARY SEWER. SLOPE AND DEPTH TO BE DETERMINED BY ENGINEER ONCE POTHOLE INFORMATION HAS BEEN RECEIVED AND REVIEWED.
- PROTECTIVE POST
- 6" TAPPING VALVE AND SLEEVE (PER CEG ENERGY GROUP STANDARDS).
- SANITARY SEWER CLEANOUT. THE INVERT OF THE CLEANOUT WILL BE CONFIRMED BY THE ENGINEER AFTER REVIEW OF THE POTHOLE INFORMATION THAT SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER.



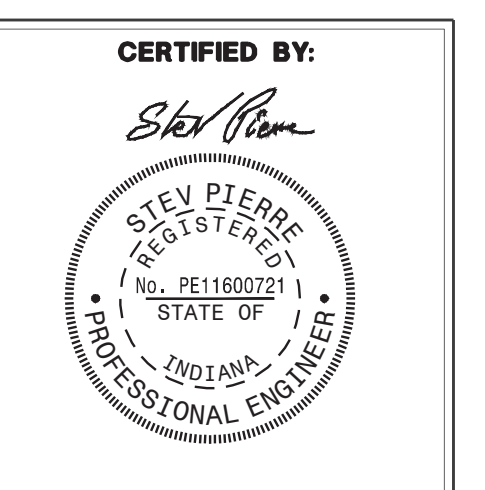
**PROJECT:**  
MSD OF WARREN TOWNSHIP  
**HAWTHORNE ELEMENTARY SCHOOL  
RENOVATION & ADDITION**  
8301 RAWLIES AVE., INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
These drawings include the general location of the project in terms of street address, street names, and other utility and drainage systems. The contractor shall be responsible for obtaining all necessary permits and approvals for the project. The contractor shall be responsible for obtaining all necessary permits and approvals for the project. The contractor shall be responsible for obtaining all necessary permits and approvals for the project.

**REVISIONS:**  
REV 01 ADDENDUM #03 08/19/22

ISSUE DATE: 2022-06-27  
DRAWN BY: D.KUEHNEN  
CHECKED BY: S.PIERRE

**DRAWING TITLE:**  
**UTILITY PLAN**



**DRAWING NUMBER:**  
**C501**

**PROJECT NUMBER:**  
**2020061**  
CRPE No. 200085-2000





August 6, 2020

Mr. Cameron Hull  
Senior Associate  
Context LLC  
5825 Lawton Loop East Drive  
Indianapolis, IN 46216



### ADDENDUM NO: 3

PROJECT: Hawthorne Elementary School Renovation & Addition

PROJECT NO: 2021054

DATE: August 19, 2022

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:

Attached Documents: L050, L103, L113

#### **PART 0 - GENERAL INFORMATION**

#### **PART 1 - BIDDING REQUIREMENTS**

#### **PART 2 - SPECIFICATIONS**

#### **PART 3 - DRAWINGS**

##### 3.1 SHEET L050 TREE PROTECTION AND DEMOLITION PLAN

A. Additional Tree Demolition has been added.

##### 3.2 SHEET L103 SITE MATERIALS PLAN

A. Additional concrete sidewalk replacement has been added.

##### 3.3 SHEET L113

A. Layout of new concrete addition as been added.

#### **QUESTION AND ANSWER**

**END ADDENDUM**



**CSO**  
 8831 Keystone Crossing, Indianapolis, IN 46240  
 317.543.3000 | csodirect

**context**  
 DESIGN  
 5625 Lorton Loop, Dr. Indianapolis, IN 46226  
 317-485-6300 |  
 www.context-design.com

PROJECT:  
**MSD OF WARREN TOWNSHIP  
 ADDITION AND RENOVATIONS TO  
 HAWTHORNE ELEMENTARY SCHOOL**  
 8301 RAWLES AVE., INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:  
 These drawings indicate the general scope of the project in terms of architectural design content. The delineation of all structural, mechanical and electrical systems. The drawings are not necessarily complete or describe all work required for the performance and completion of the project. The contractor shall verify all items required for the proper installation and completion of the work.

REVISIONS:  
 08-19-2022 Addendum 03

ISSUE DATE DRAWN BY CHECKED BY  
 07/25/2022 MA CCH

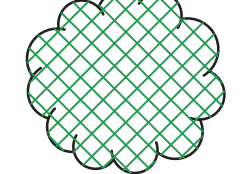



DRAWING TITLE:  
**TREE PROTECTION AND DEMOLITION PLAN**

CERTIFIED BY:  
 FREDDIE J. PRATELO  
 REGISTERED  
 No. 2020-0052  
 STATE OF INDIANA  
 LANDSCAPE ARCHITECT  
 EXPIRES 12-31-2023

DRAWING NUMBER  
**L050**

PROJECT NUMBER  
 2021054

**TREE PRESERVATION LEGEND**

-  Tree to be Protected
-  Tree to be Removed
-  Tree Protection Fence Locations - To be installed PRIOR TO DEMOLITION, Refer to Detail on this Sheet
-  Protected Root Zone

**TREE PROTECTION GENERAL NOTES**

1. Underground utilities, if shown, are based on above ground indications and construction drawings. There is no guarantee that all underground utilities in service or abandoned are shown. Underground utilities are shown as accurately as possible but still may not be exact. No physical underground utility locations were made.
2. Contractor to review all trees to be removed on site with Landscape Architect or Owner's Representative prior to demolition.
3. Tree Protection Fencing locations are fixed. Install exactly where shown on these plans. Any adjustments to fencing locations must be approved by the Owner. Damages will be assessed if tree protection fence location is adjusted without Owner approval. Fence deviation from this plan or approved change will be corrected by the General Contractor prior to the start of construction.
4. All tree pruning and limb restraint will be performed under the direct supervision of a Certified Arborist. Contractor shall not prune trees or restrain limbs.
5. No staging, equipment, material storage, or vehicles are allowed on non-paved areas unless indicated otherwise on plan.
6. Abandon all utilities to be removed when located within a Protected Root Zone.
7. Backfill all depressed and void areas with top soil following removal of vegetation. Soil shall be free of debris. Compact soils to ensure settling and sedimentation do not occur.
8. Owner is responsible for transplanting identified trees, as noted. Coordinate with Owner if trees to be transplanted remain on site when mobilization begins.
9. Cleanly cut all roots encountered during construction. Contractor to Air-knife all roots around trees around all indicated as being essential to the campus landscape vocabulary and any tree over 18" in diameter.
10. Coordinate locations of Tree Protection Fencing and Construction Fencing prior to the start of construction activities. In areas where Tree Protection and Construction Fences overlap, the Contractor may elect to install the more restrictive fence type of the two provided that the single fence accommodates the requirements of both fences.

**TRENCHING/EXCAVATION**

- ZONE A (CRITICAL ROOT ZONE)**
1. NO DISTURBANCE ALLOWED without site-specific inspection and approval of methods to minimize root damage.
  2. Severance of roots larger than 2" diameter requires Landscape Architect's approval.
  3. Tunneling or boring required to install utilities 3'-0" below grade or deeper.

- ZONE B (DRIPLINE)**
1. Operation of heavy equipment and/or stockpiling of materials subject to Landscape Architect's approval. Surface Protection measures required.
  2. Trenching allowed as follows:
    - Excavation by hand or with hand-driver trencher may be required.
    - Limit trench width. Do not disturb Zone A, maintain 2/3 or more of Zone B in undisturbed condition.
  3. Tunneling or boring may be required for trenches deeper than 3'-0".

- ZONE C (PROTECTED ZONE)**
1. Operation of heavy equipment and/or stockpiling of materials subject to Landscape Architect's approval. Surface Protection measures required.
  2. Trenching with heavy equipment allowed as follows:
    - Minimize trench width.
    - Maintain 2/3 or more of Zone C in undisturbed condition.

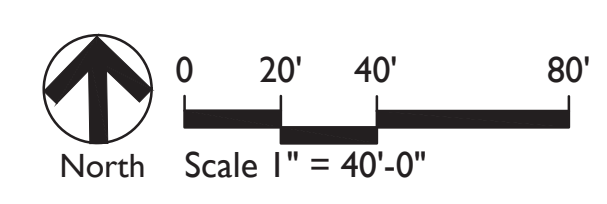
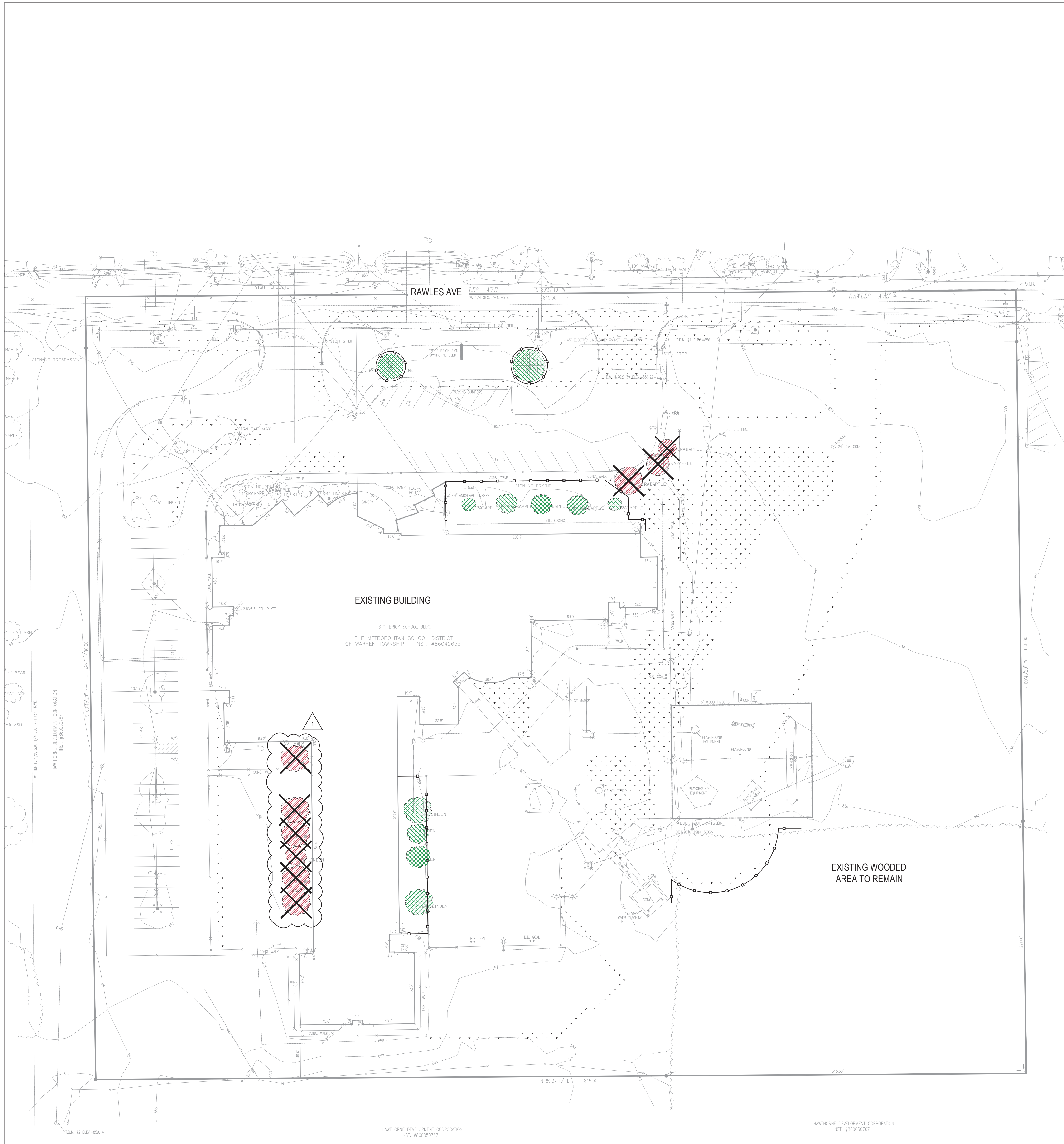
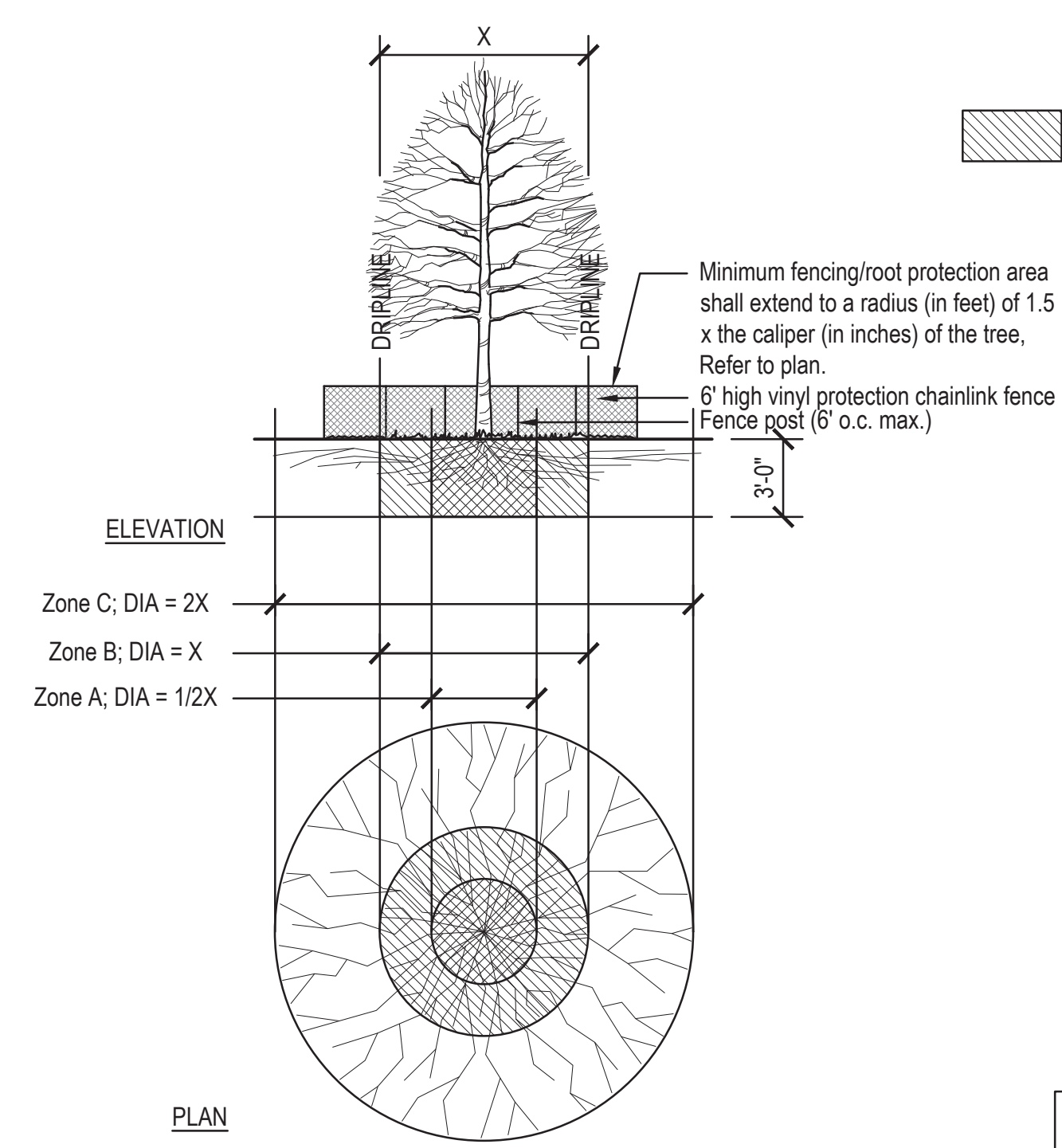
**FENCING/ROOT PROTECTION**  
 4' high vinyl protection fence at the greater of Zone B (Dripline) or to a radius (in feet) of 1.5x the caliper (in inches) of the tree, minimum, and at Zone C (Protected Root Zone) if possible.

Upon Landscape Architect's approval, a plywood box (8' minimum height) may be used where fencing cannot be achieved.

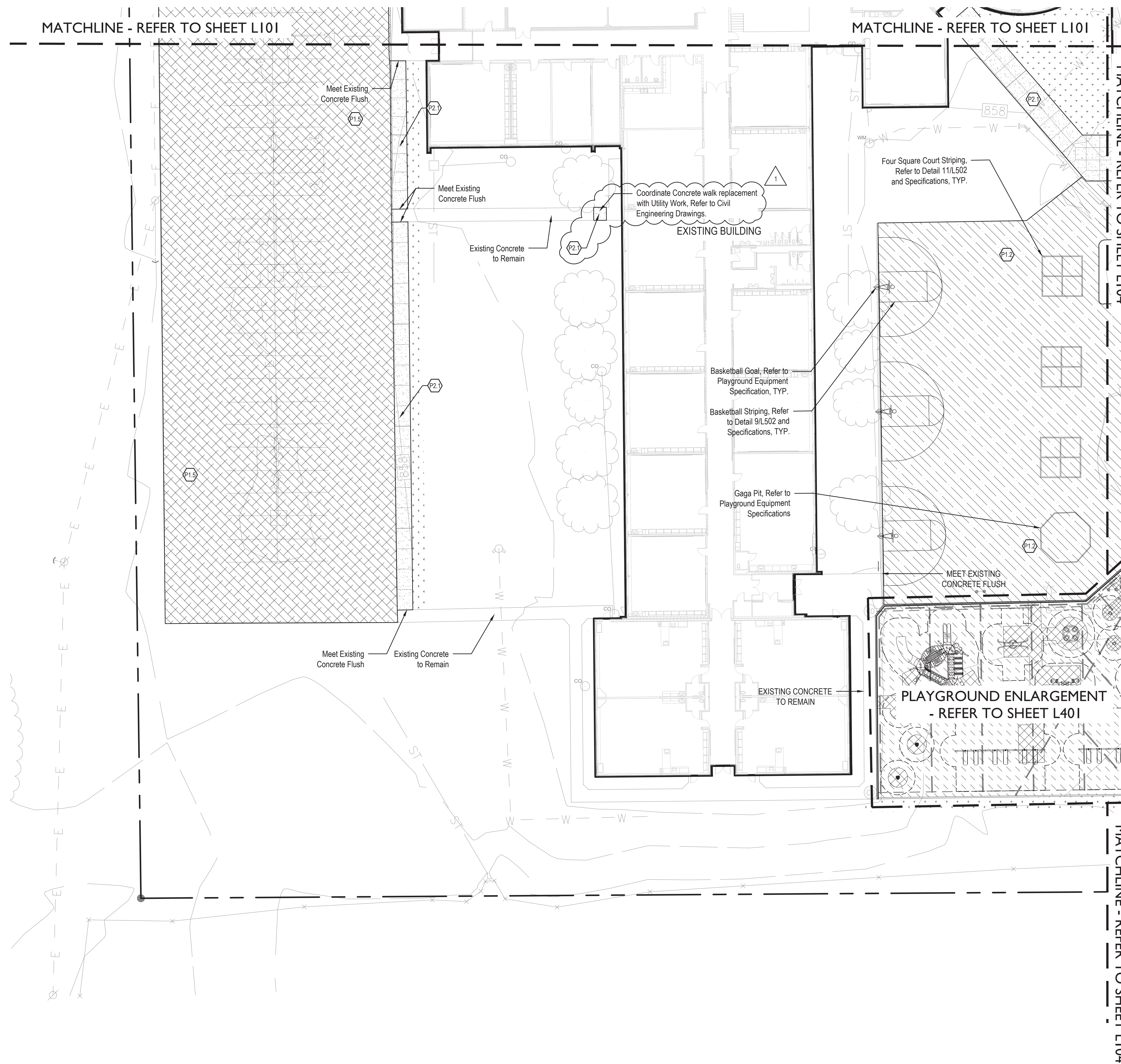
Landscape Architect's approval required for use/access within Zone B. Permission for use/access requires Surface Protection Measures for all unfenced, unpaved surfaces within Zone B.

- \*SURFACE PROTECTION MEASURES**
1. Mulch Layer, 6"-8" Depth
  2. 3/4" Plywood
  3. Steel Plates

- NOTE:**
1. Refer to tree protection specifications.
  2. Contractor may submit alternate methods of tree protection to Landscape Architect for Consideration Prior to Construction.



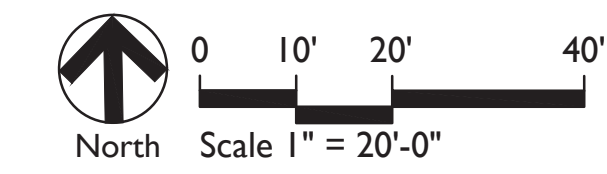
**1 TREE PROTECTION**  
 Not To Scale



### MATERIAL LEGEND

- P1.0 Pavement, Asphalt**
- (P1.1) Standard Asphalt Pavement, Refer to Detail 4/L501 and Specifications
  - (P1.2) Milled and Resurfaced Asphalt Pavement, Refer to Detail 6/L501 and Specifications
  - (P1.3) Heavy Duty Asphalt Pavement, Refer to Detail 5/L501 and Specifications
  - (P1.4) ROW Asphalt Paving, Refer to Civil Engineering Drawings
  - (P1.5) Asphalt Sealcoat and Restripe, Refer to Specifications
- P2.0 Pavement, Concrete**
- (P2.1) Standard Concrete Pavement, Refer to Detail 1/L501 and Specifications
- C1.0 Curbing**
- (C1.1) Concrete Post Curb, Refer to Detail 8/L501 and Specifications
  - (C1.2) Integral Curb and Walk, Refer to Detail 7/L501 and Specifications
  - (C1.3) Post Curb at Play Surface, Refer to Detail 4/L502 and Specifications
  - (C1.4) Wheel Stop, Refer to Detail 7/L502 and Specifications
  - (C1.5) ROW Curb and Cutter, Refer to Civil Engineering Drawings
- S1.0 Signage, (comply with MUTCD Standards) (VIF Regulatory Signs with City Representative)**
- (S1.1) ADA Parking Striping, Refer to Detail 8/L502 and Specifications
  - (S1.2) Accessible Parking Symbol, Refer to Detail 6/L502 and Specifications
  - (S1.3) Van Accessible ADA Parking Sign, Refer to Detail 5/L502 and Specifications
  - (S1.4) Accessible ADA Parking Sign, Refer to Detail 5/L502 and Specifications
- R1.0 Accessible Sidewalk Ramps**
- (R1.1) One-Way Directional Perpendicular Curb Ramp, Refer to Detail 1/L503 and Specifications
  - (R1.2) Perpendicular Curb Ramp with Flares, Refer to Detail 2/L503 and Specifications
  - (R1.3) Perpendicular Curb Ramp with Flare and Curb, Refer to Detail 3/L503 and Specifications
  - (R1.4) Parallel Curb Ramp, Refer to Detail 4/L503 and Specifications
  - (R1.5) Depressed Curb Ramp, Refer to Detail 5/L503 and Specifications
- S2.0 Playground Protective Surfacing**
- (S2.1) Engineered Wood Fiber Play Surface, Refer to Detail 2/L502 and Specifications
  - (S2.2) Resilient Rubber Play Surface, Refer to Detail 1/L502 and Specifications
- F1.0 Fencing**
- (F1.1) 30'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
- PA Planting Area**
- Area to be Seeded

Note:  
Refer to Details and Specifications for Pavement Striping.



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**context DESIGN**  
5825 Lakon Lane, Dr. Indianapolis, IN 46226  
317-485-6900 | www.context-design.com

**PROJECT:**  
MSD OF WARREN TOWNSHIP  
ADDITION AND RENOVATIONS TO  
HAWTHORNE ELEMENTARY SCHOOL  
8301 RAWLES AVE. INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project in terms of structural design concepts. They do not constitute a contract. The contractor shall be responsible for the design of all mechanical, electrical and plumbing work required for the project. The contractor shall be responsible for the design of all work required for the project. The contractor shall be responsible for the design of all work required for the project. The contractor shall be responsible for the design of all work required for the project.

**REVISIONS:**  
1 08-19-2022 Addendum 03

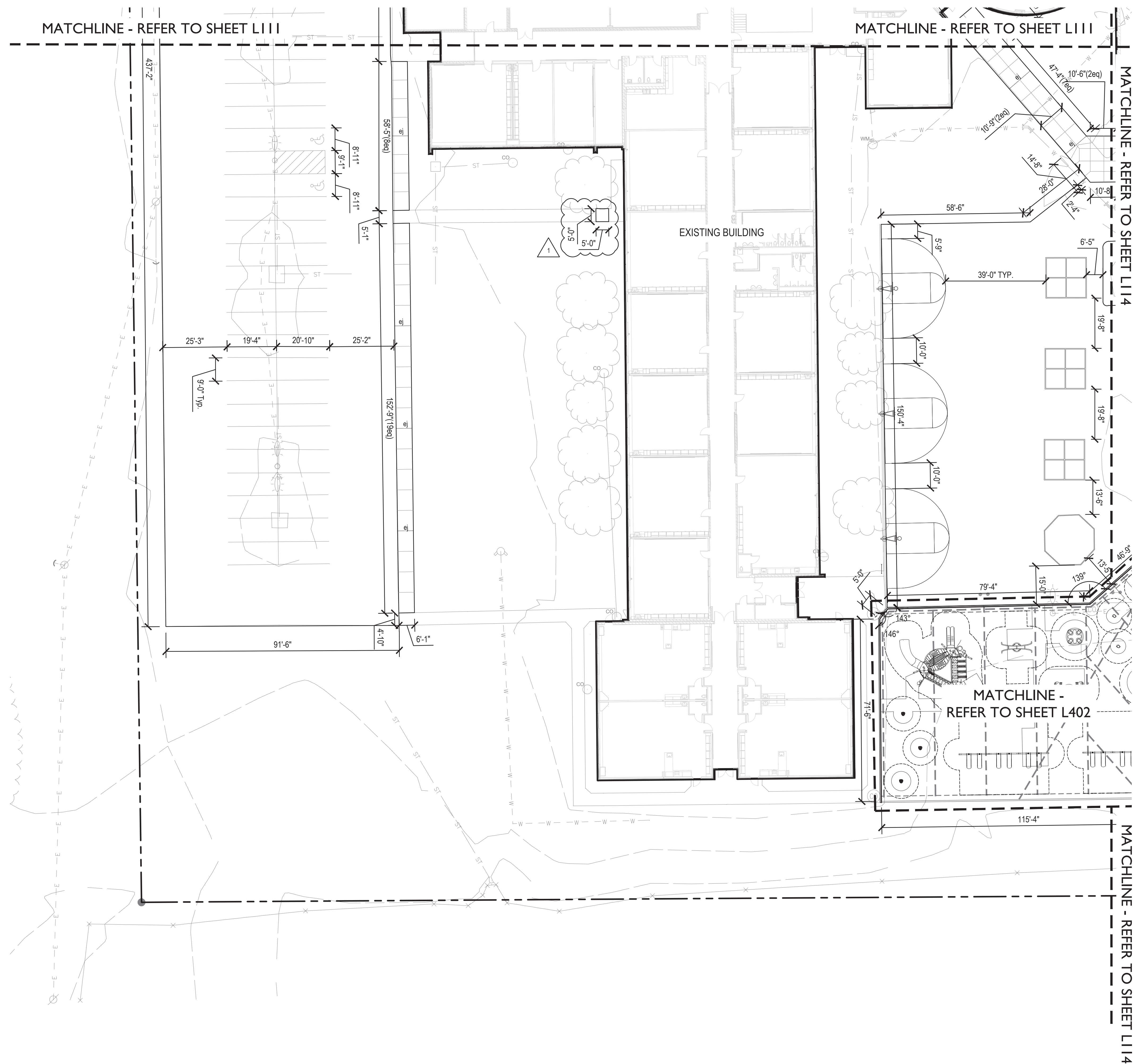
**ISSUE DATE** 07/25/2022 **DRAWN BY** MA **CHECKED BY** CCH

**DRAWING TITLE:**  
MATERIALS AND NOTES PLAN

**CERTIFIED BY:**  
FREDDIE J. PRATELO  
REGISTERED  
No. 2020-0052  
STATE OF INDIANA  
LANDSCAPE ARCHITECT  
EXPIRES 12-31-2023

**DRAWING NUMBER**  
L103

**PROJECT NUMBER**  
2021054



**LAYOUT NOTES**

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
6. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
7. Contractor shall provide and install One (1) Accessible Parking Sign per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.



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**context DESIGN**  
 5525 Lawton Loop, E. Dr., Indianapolis, IN 46254  
 317.481.6900 | www.context-design.com

**PROJECT:**  
 MSD OF WARREN TOWNSHIP  
 ADDITION AND RENOVATIONS TO  
 HAWTHORNE ELEMENTARY SCHOOL  
 8301 RAWLES AVE. INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project. The drawings do not necessarily indicate or describe all work required for full performance and completion of the project. The drawings are based on the information provided to the Designer at the time of preparation. The Designer is not responsible for the accuracy of the information provided to the Designer. The Designer is not responsible for the accuracy of the information provided to the Designer.

**REVISIONS:**  
 08-19-2022 Addendum 03

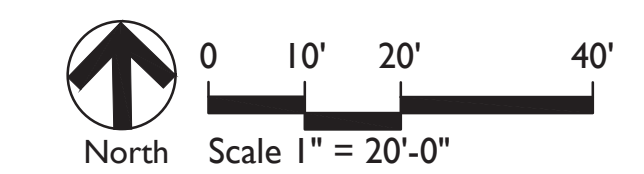
ISSUE DATE	DRAWN BY	CHECKED BY
07/25/2022	MA	COH

**DRAWING TITLE:**  
 LAYOUT PLAN



**DRAWING NUMBER:**  
 L113

**PROJECT NUMBER:**  
 2021054



STRUCTURAL ENGINEERS

WILLIAM F. LYNCH, PE, LS  
(1917-1995)

WESLEY B. HARRISON, PE  
(RETIRED)

PAUL A. BRUMLEVE, PE  
SCOTT A. CLORE, PE  
ROBERT M. DEE, PE  
MARK D. LAVIER, PE

NATHAN M. ASHLEY, PE  
DAVID A. CLARK, PE, SE  
NICHOLAS H. FELLER, PE  
JOSEPH L. HEINSMAN, PE  
DANIEL J. LEVITUS, PE  
JAMES R. OSBORNE, PE  
NICHOLAS R. RITENOUR, PE  
SAMUEL B. RUNNINGEN, PE  
JESSE R. VALENCOURT, PE, SE

## Hawthorne Elementary Renovation & Addition Addendum 3

August 19, 2022

Amend dimensions on the following structural drawings to accommodate discovered existing construction:

### **Drawing S101 Foundation Plan**

1. Adjust CMU wall locations at concrete stairs.

### **Drawing S102 Low Roof Framing Plan**

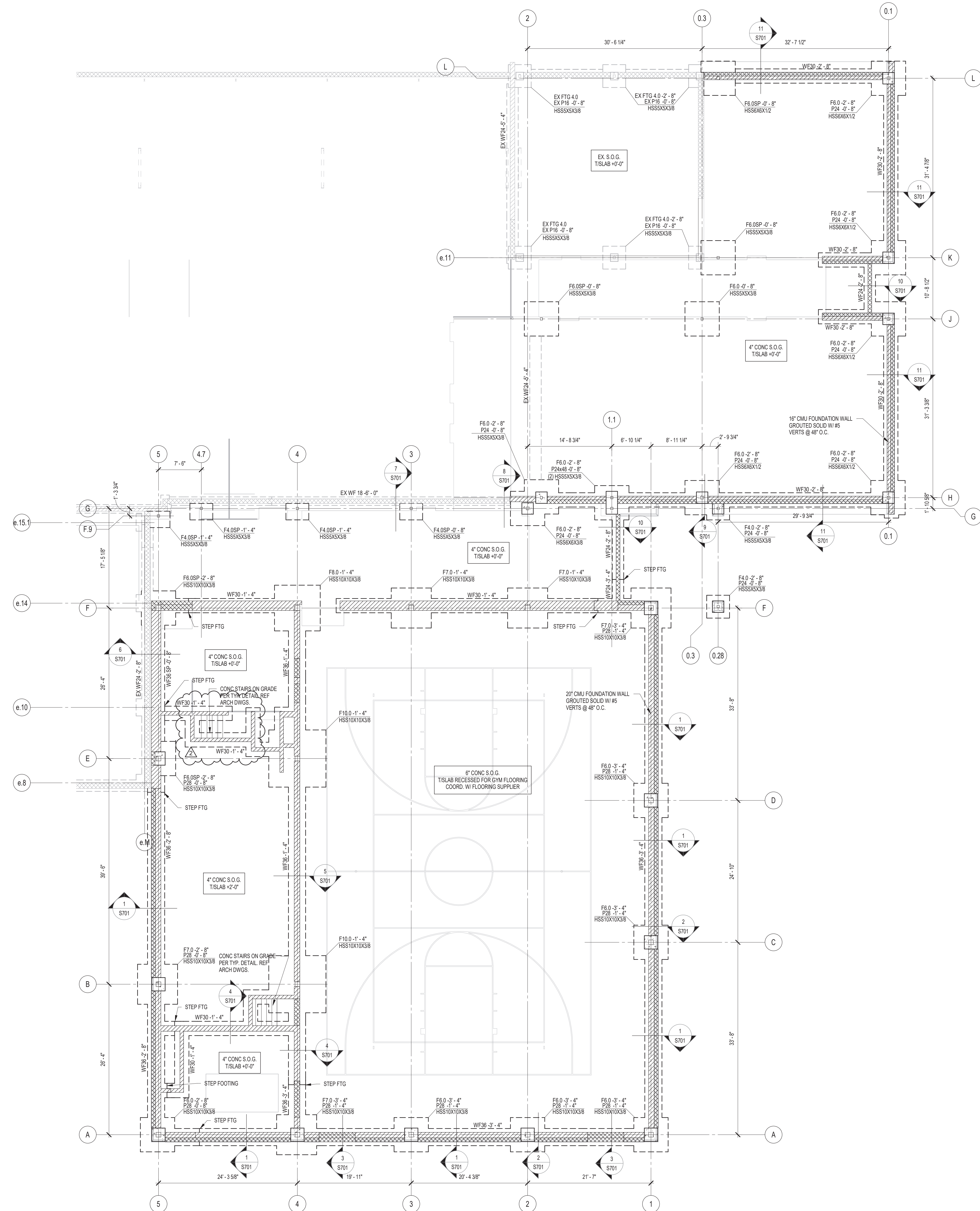
1. Additional steel beam lintel at stage entrance.
2. Added note regarding the concrete curb around the perimeter and all openings at the new mechanical mezzanine.

### **Drawing S711 Framing Sections and Details**

1. Modify Section 3/S711.
2. Modify Section 4/S711.
3. Modify Section 6/S711.

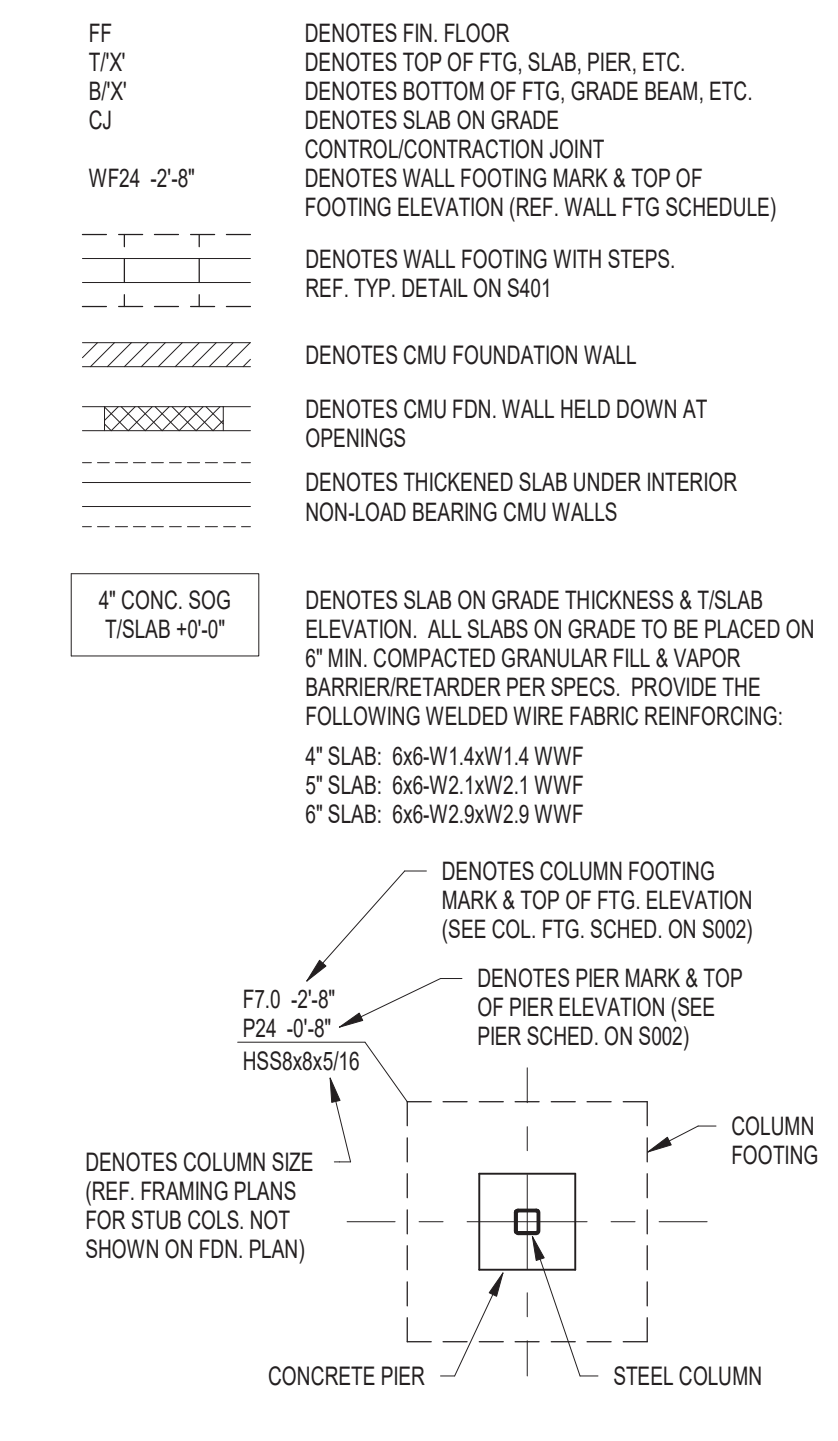
### **Drawing S712 Framing Sections and Details**

1. Modify Section 1/S712.



### FOUNDATION PLAN NOTES

- REF. 0001 & 0002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
- REF. THE 5400 SERIES FOR TYPICAL FOUNDATION AND MASONRY DETAILS.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR FIN. FLOOR ELEVATION +0.0' (VERIFY U.S.S. ELEVATION WITH CIVIL DWGS).
- ALL WALLS SHALL BE Laid OUT FROM THE ARCHITECTURAL DRAWINGS.
- REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FDN. WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
- NOTE:** PERIMETER FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (E.G. SANITARY & STORM LINES, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S401.
- ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
- PROVIDE CMU REINFORCING AS NOTED ON PLANS & SECTIONS. IF NOT SHOWN ELSEWHERE, MINIMUM CMU WALL REINFORCING TO BE AS FOLLOWS: 8\"/>



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PROJECT:  
**MSD OF WARREN TOWNSHIP  
 HAWTHORNE ELEMENTARY SCHOOL  
 RENOVATION & ADDITION**  
 8301 RAWLES AVE, INDIANAPOLIS, IN 46219

SCOPE DRAWINGS:  
 These drawings indicate the general scope of the project. The contractor shall coordinate the structure of all structural, mechanical and electrical systems with the design team. The contractor shall be responsible for the coordination and completion of the work required for the performance and completion of the project. On the basis of the general scope indicated on drawings, the contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
 2 Addendum 3 8/19/2022

ISSUE DATE: 07/25/2022  
 DRAWN BY: JAW  
 CHECKED BY: MDL

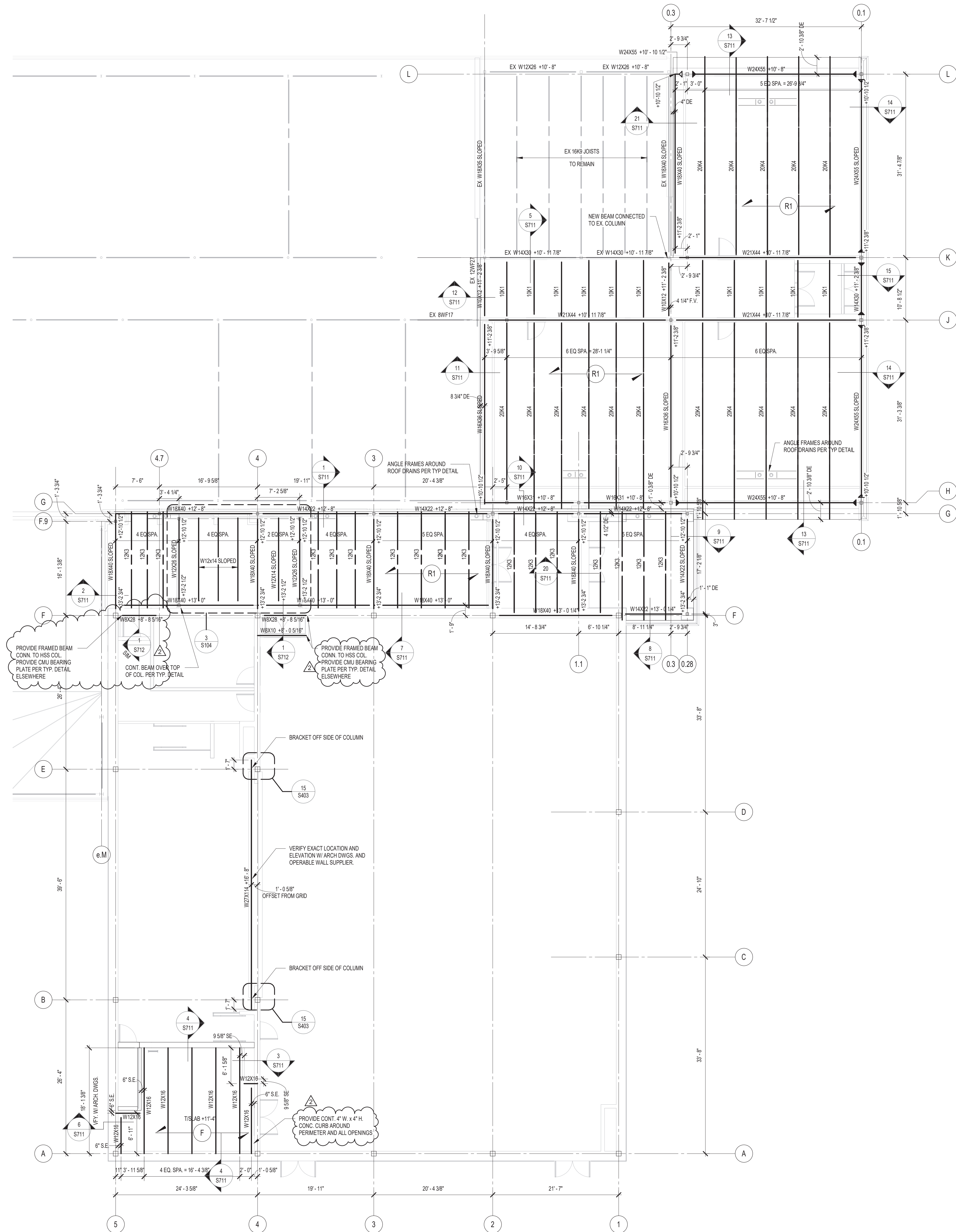
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**FOUNDATION PLAN**

CERTIFIED BY:  
 MAILED L. L. LYLES  
 PE19400114  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER

DRAWING NUMBER:  
**S101**

PROJECT NUMBER:  
 2021054

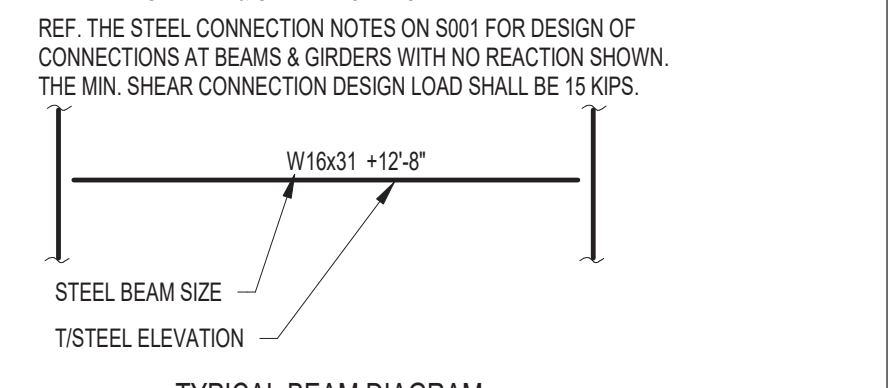
**1 FOUNDATION PLAN**  
 1/8" = 1'-0"



**1 LOW ROOF FRAMING PLAN**  
1/8" = 1'-0"

**FRAMING PLAN NOTES**

- REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
- REF. THE S400 SERIES FOR TYPICAL FRAMING AND MASONRY DETAILS.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR FIN. FLOOR ELEVATION +1'-0" (VERIFY ELEVATION U.S.G.S. WITH CIVIL DWGS).
- ALL WALLS SHALL BE LAD OUT FROM THE ARCHITECTURAL DRAWINGS.
- REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
- ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
- PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL 15402. COORDINATE EXACT NUMBER, LOCATION & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
- PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S400. COORD. EXACT NUMBER, LOCATION & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
- PROVIDE CMU REINFORCING AS NOTED ON PLANS & SECTIONS. IF NOT SHOWN ELSEWHERE, MINIMUM CMU WALL REINFORCING TO BE AS FOLLOWS: 4" CMU #5 VERTS @ 48" OC, 1" CMU #6 VERTS @ 32" OC. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" OC MAX VERTICAL SPACING). PROVIDE 10 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS. AT ENDS OF WALLS.
- ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
- REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
- ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
- FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
- ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION HAS BEEN DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE COVERED BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH THE WORK.



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**PROJECT:**  
MSD OF WARREN TOWNSHIP  
HAWTHORNE ELEMENTARY SCHOOL  
RENOVATION & ADDITION  
8301 RAWLES AVE, INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project in terms of architectural design concept. The drawings of structural, mechanical and electrical systems are not included in this set of drawings. The drawings do not necessarily indicate or describe all work required for the performance and completion of the project. On the basis of the general scope indicated on drawings, the trade contractors shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**  
2 Addendum 3 8/19/2022

ISSUE DATE	DRAWN BY	CHECKED BY
07/25/2022	JAW	MDL

**DRAWING TITLE:**  
**LOW ROOF FRAMING PLAN**

**CERTIFIED BY:**  
MAK D. LARSEN  
PE19400114  
STATE OF INDIANA  
REGISTERED PROFESSIONAL ENGINEER

**DRAWING NUMBER:**  
**S102**

**PROJECT NUMBER:**  
**2021054**



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**PROJECT:**  
**MSD OF WARREN TOWNSHIP  
 HAWTHORNE ELEMENTARY SCHOOL  
 RENOVATION & ADDITION**  
 8301 RAWLES AVE, INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project. The design is preliminary and subject to change. The drawings are for informational purposes only and do not constitute a contract. The contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:	NO.	DESCRIPTION	DATE
1	Addendum 2	8/12/2022	
2	Addendum 3	8/19/2022	

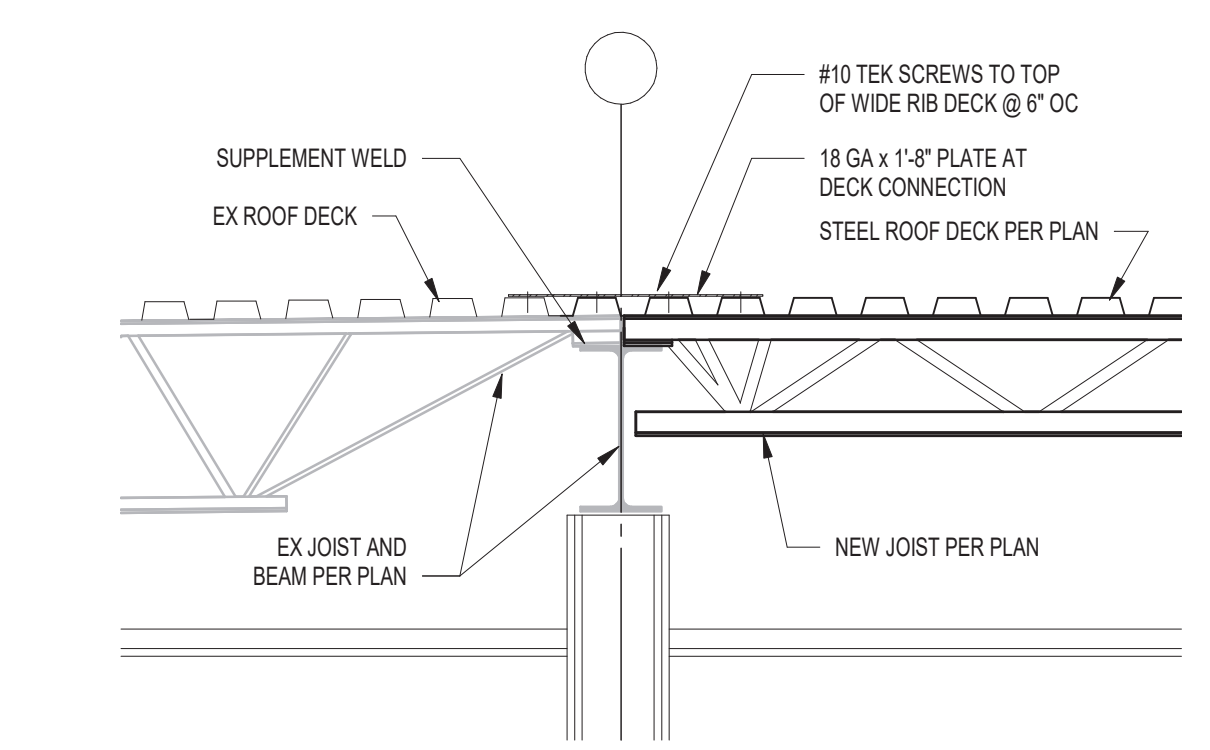
ISSUE DATE	DRAWN BY	CHECKED BY
07/25/2022	JAW	MDL

**DRAWING TITLE:**  
**FRAMING SECTIONS AND DETAILS**

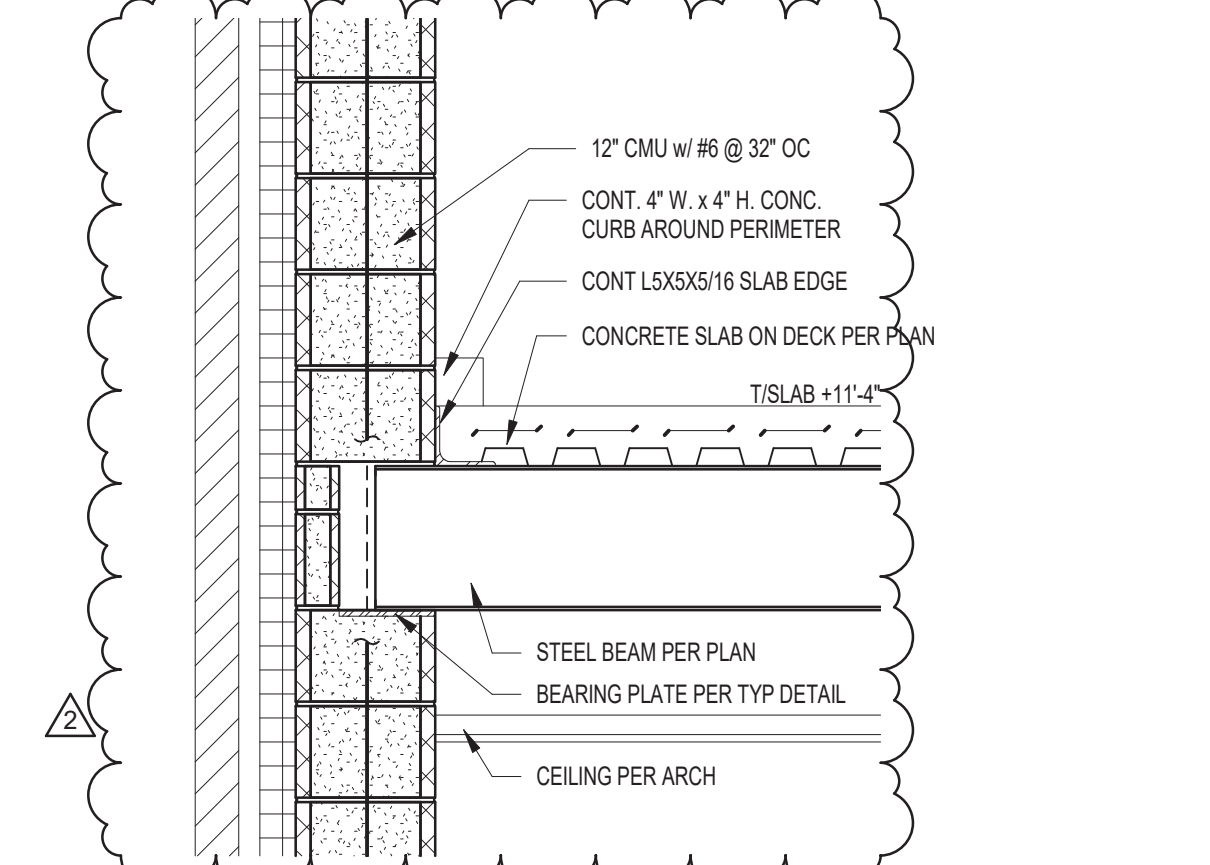
**CERTIFIED BY:**

**DRAWING NUMBER:**  
**S711**

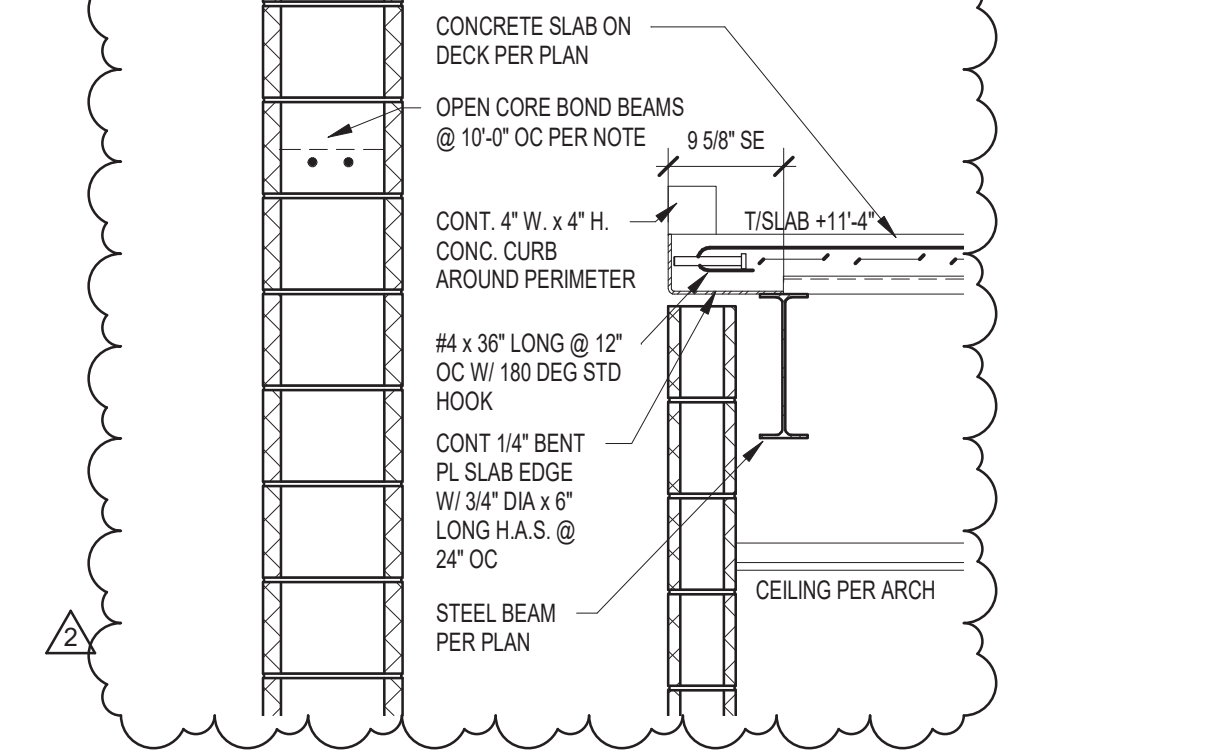
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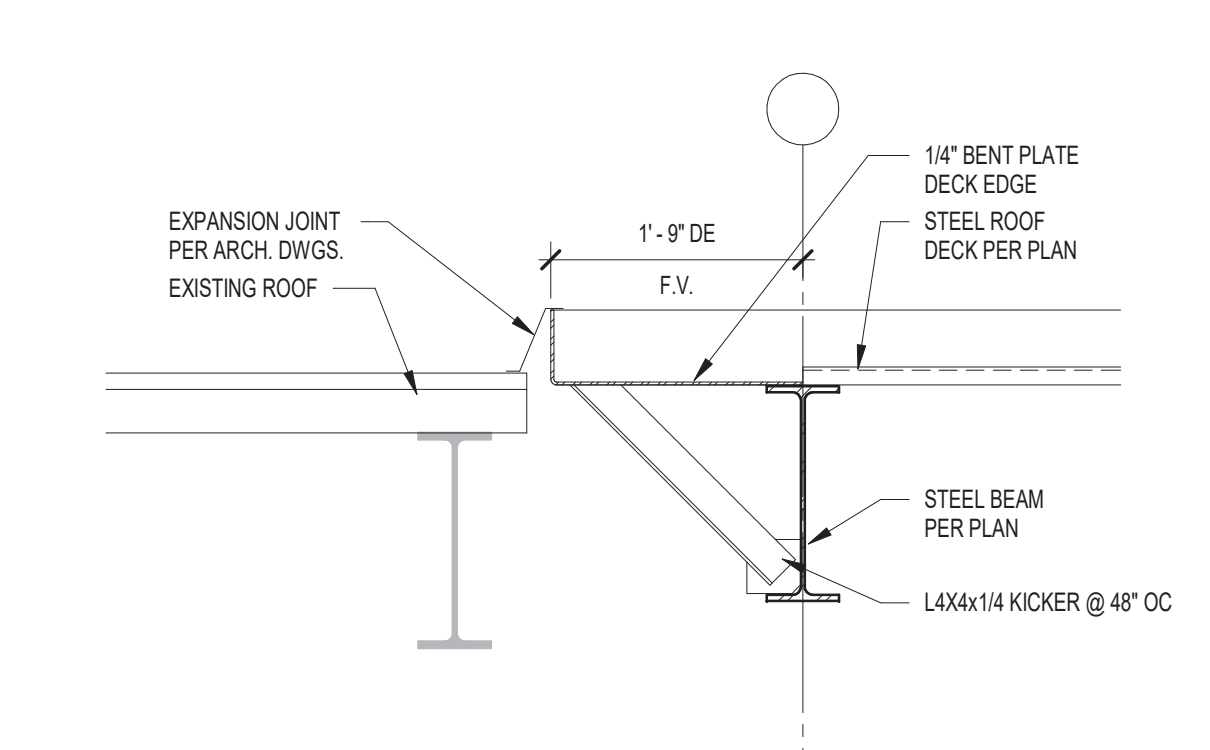
**5 SECTION**  
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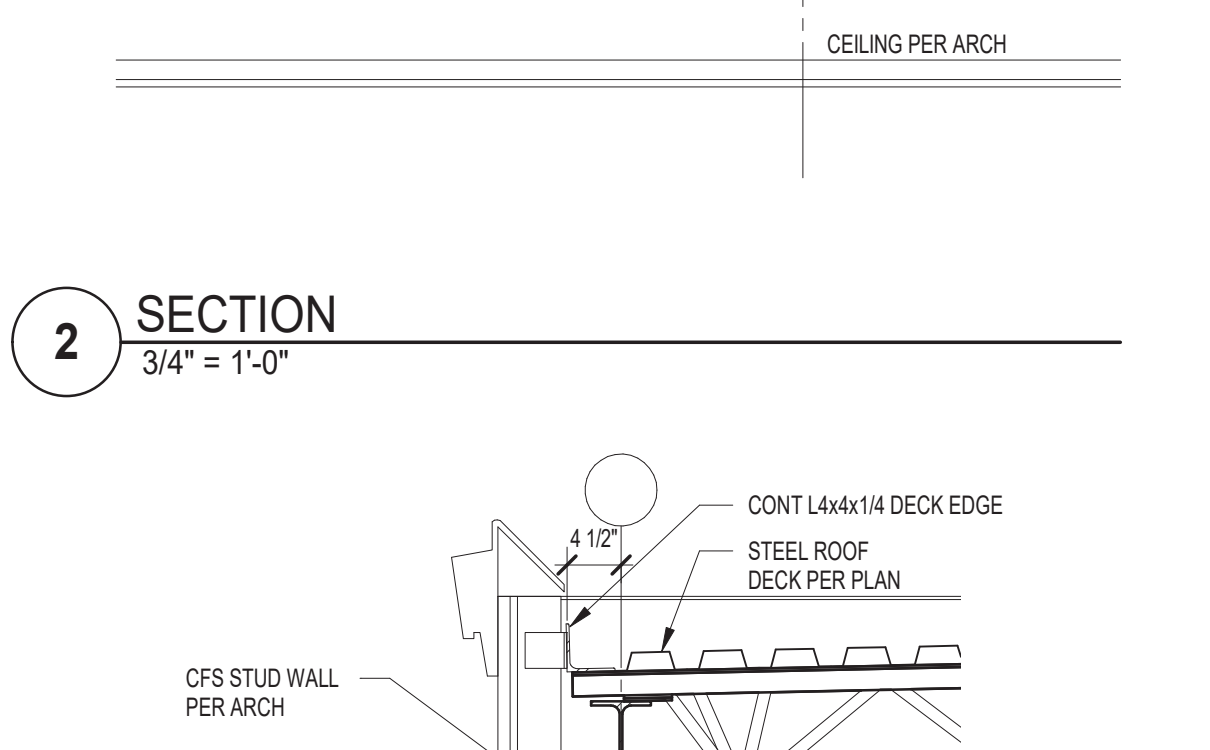
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**3 SECTION**  
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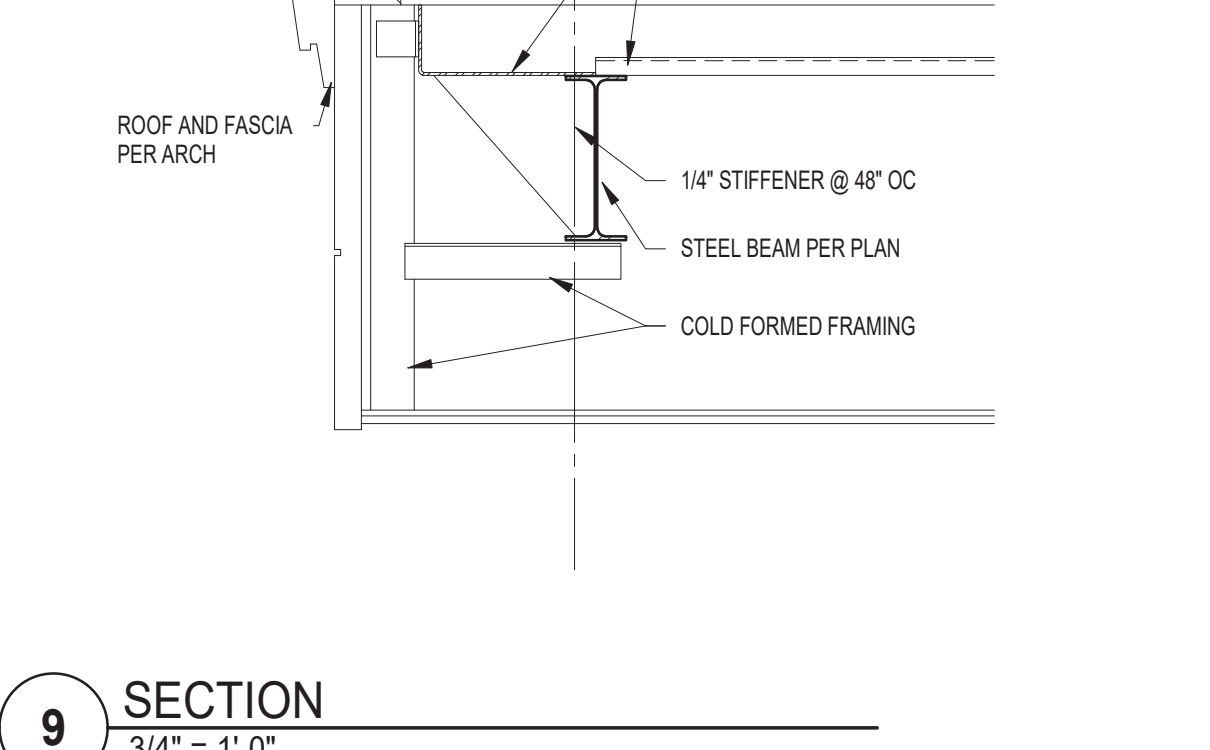
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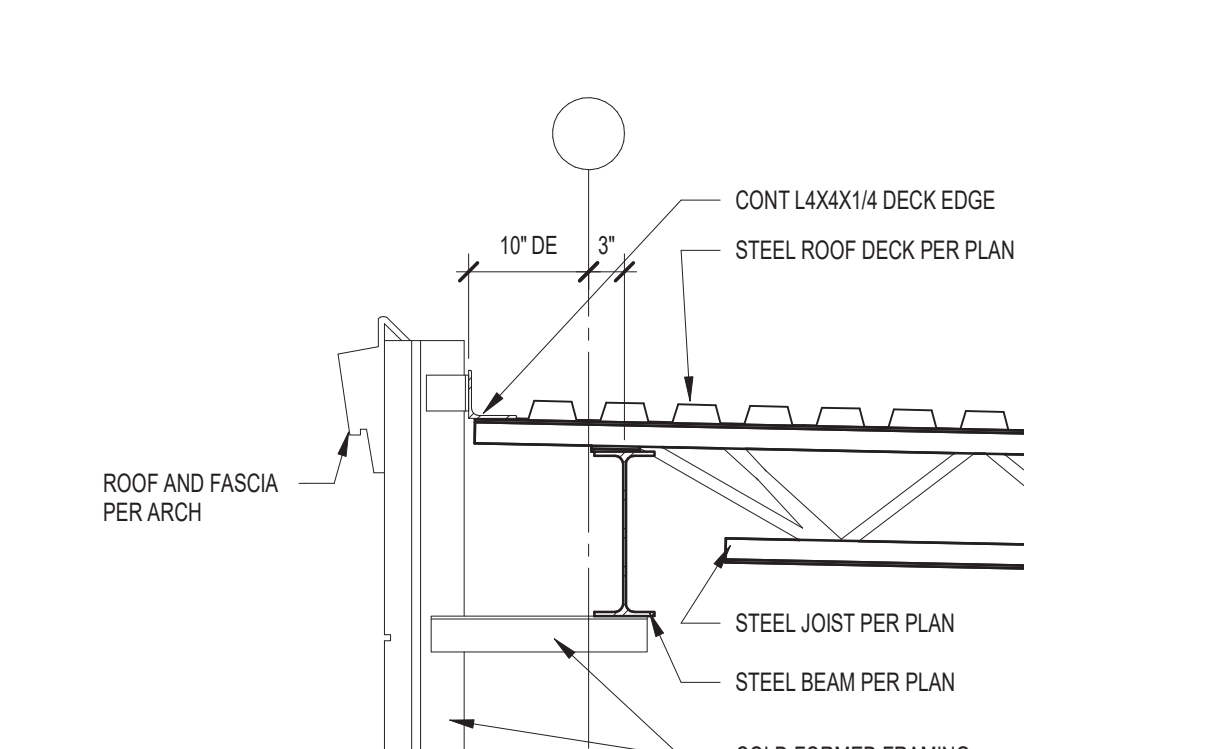
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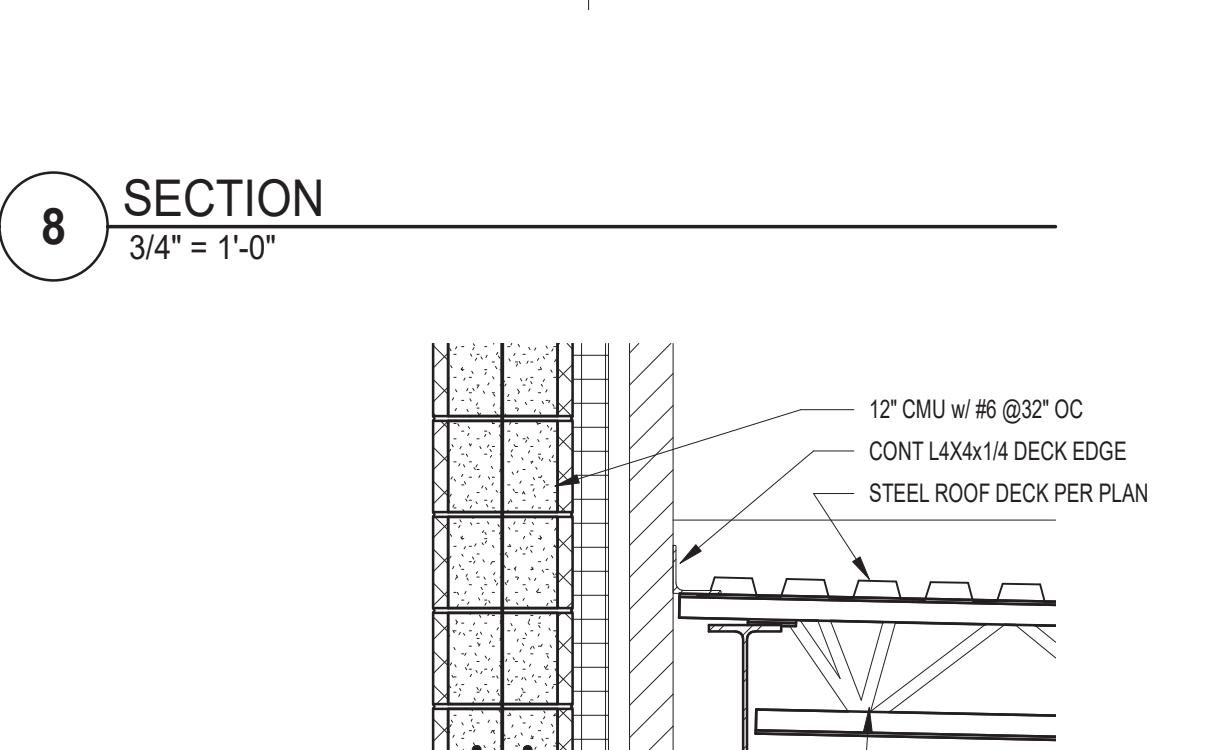
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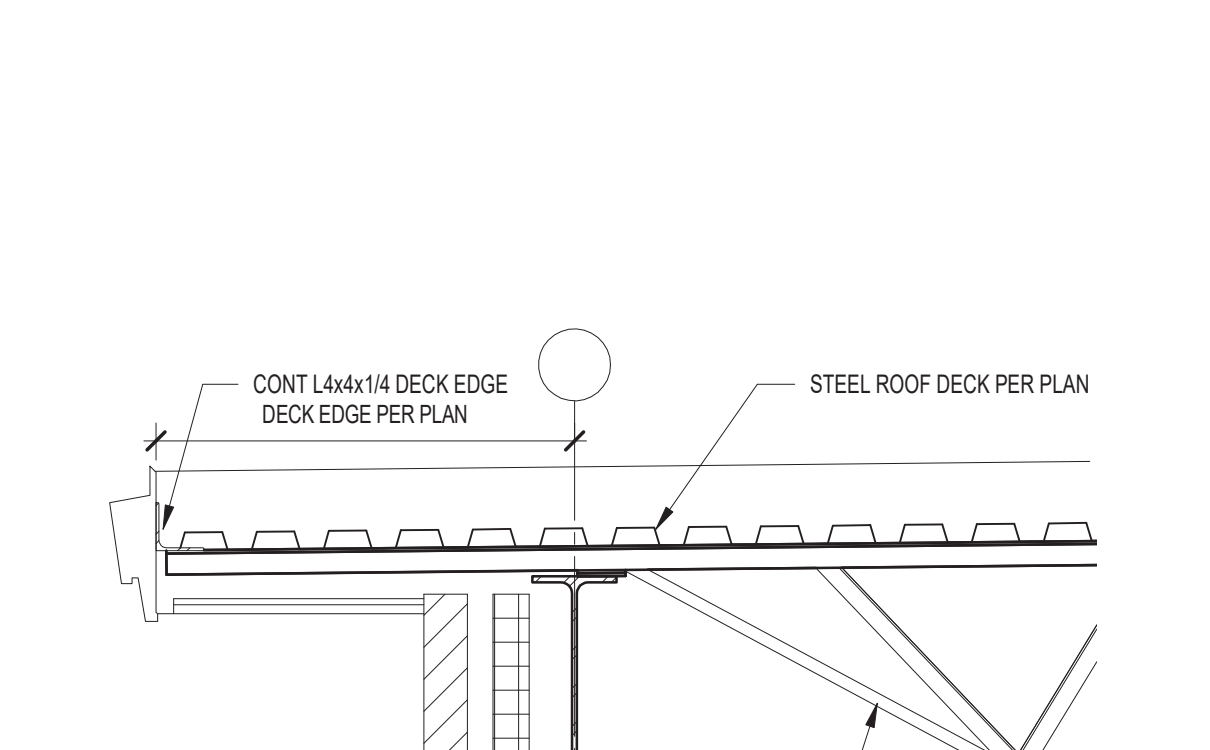
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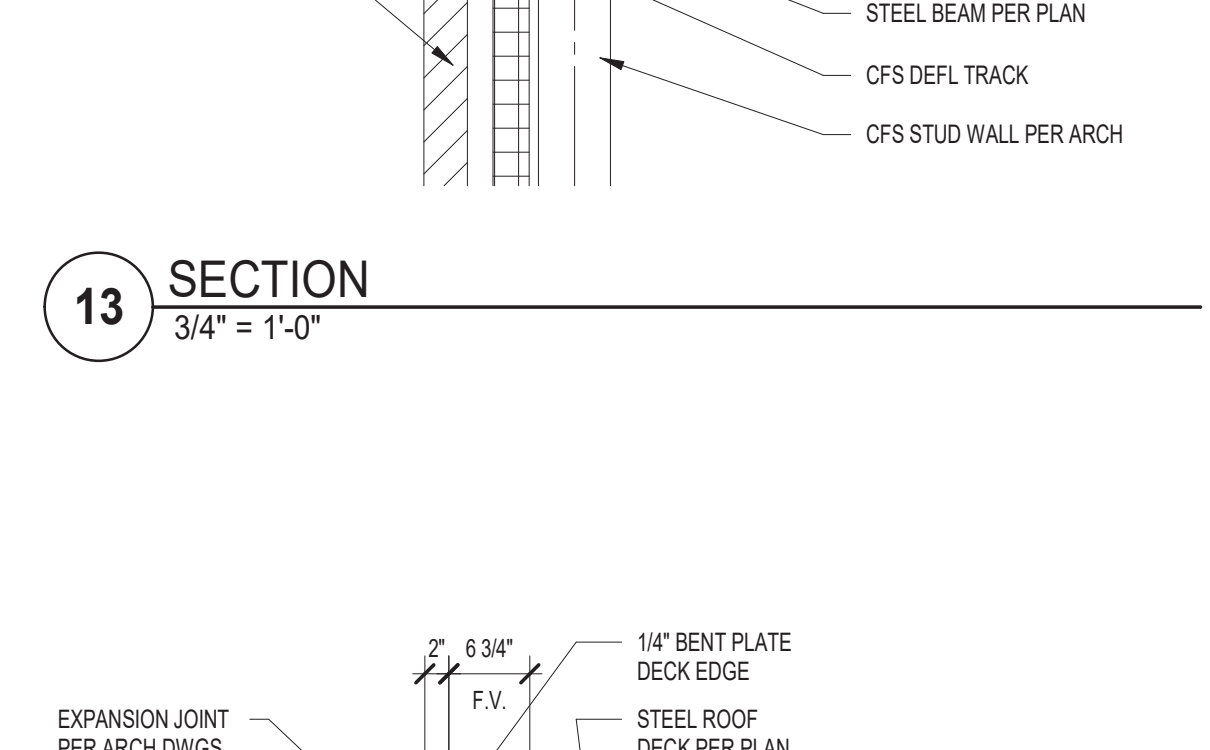
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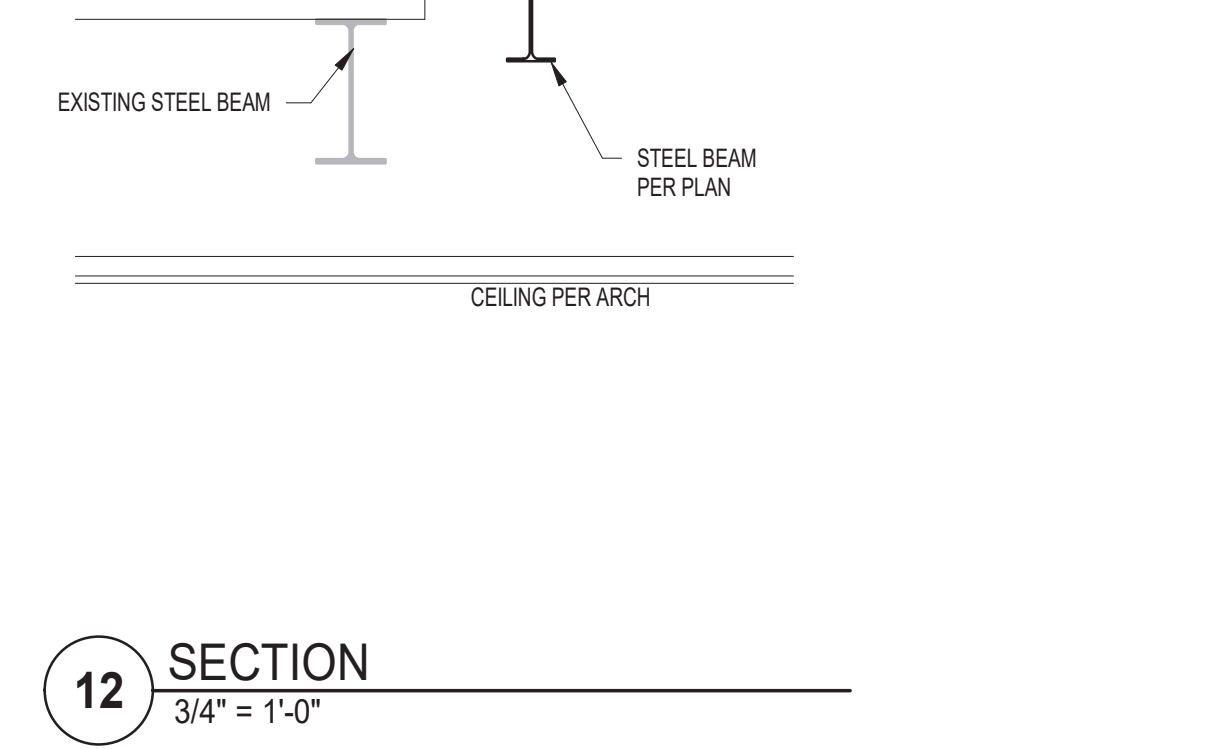
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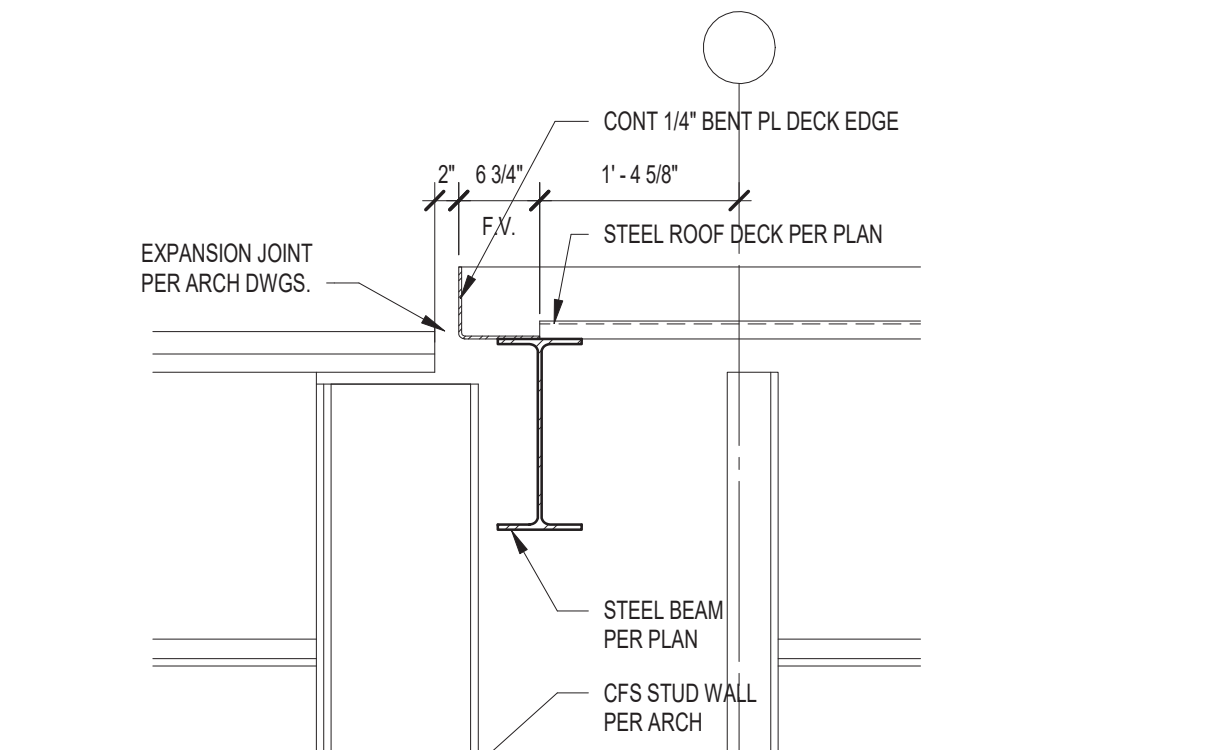
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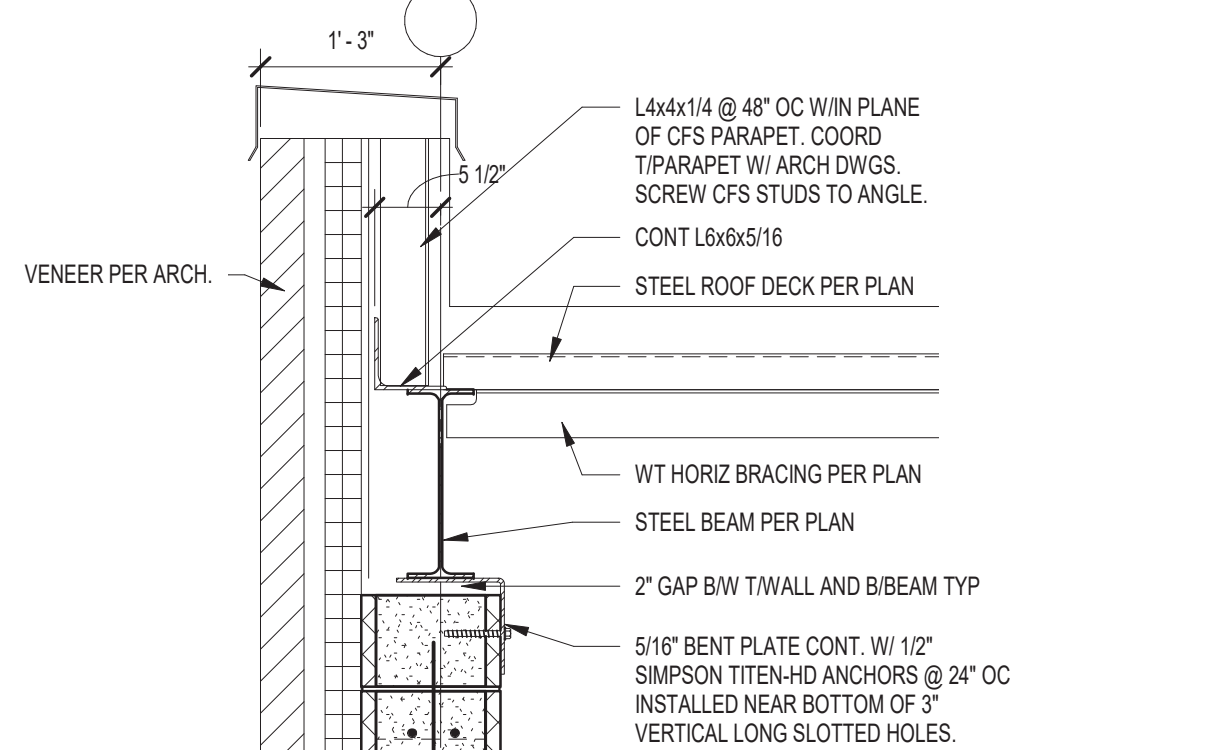
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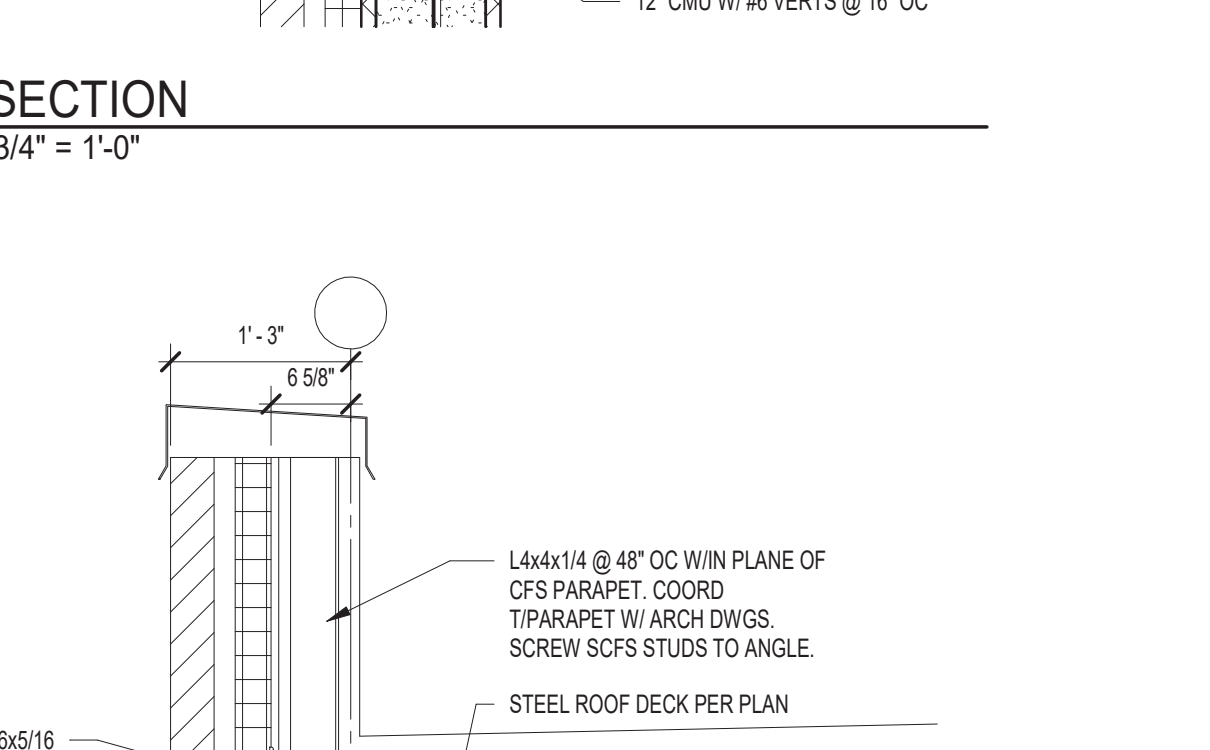
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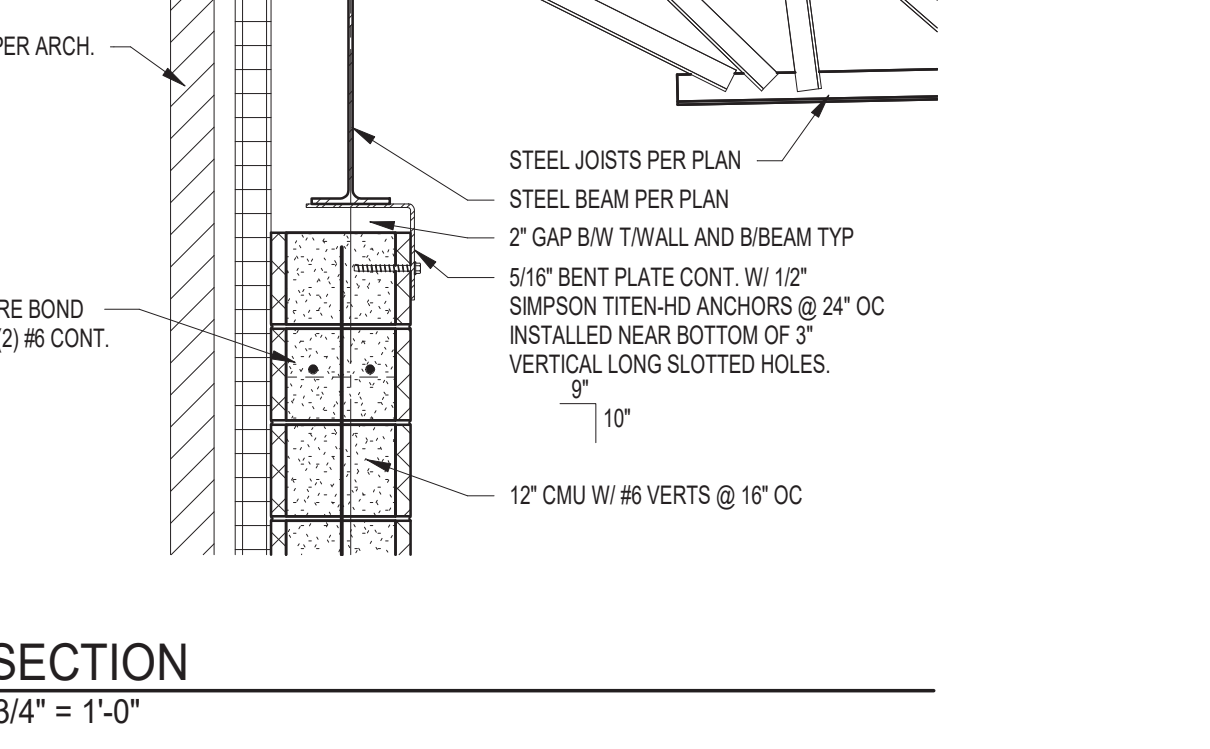
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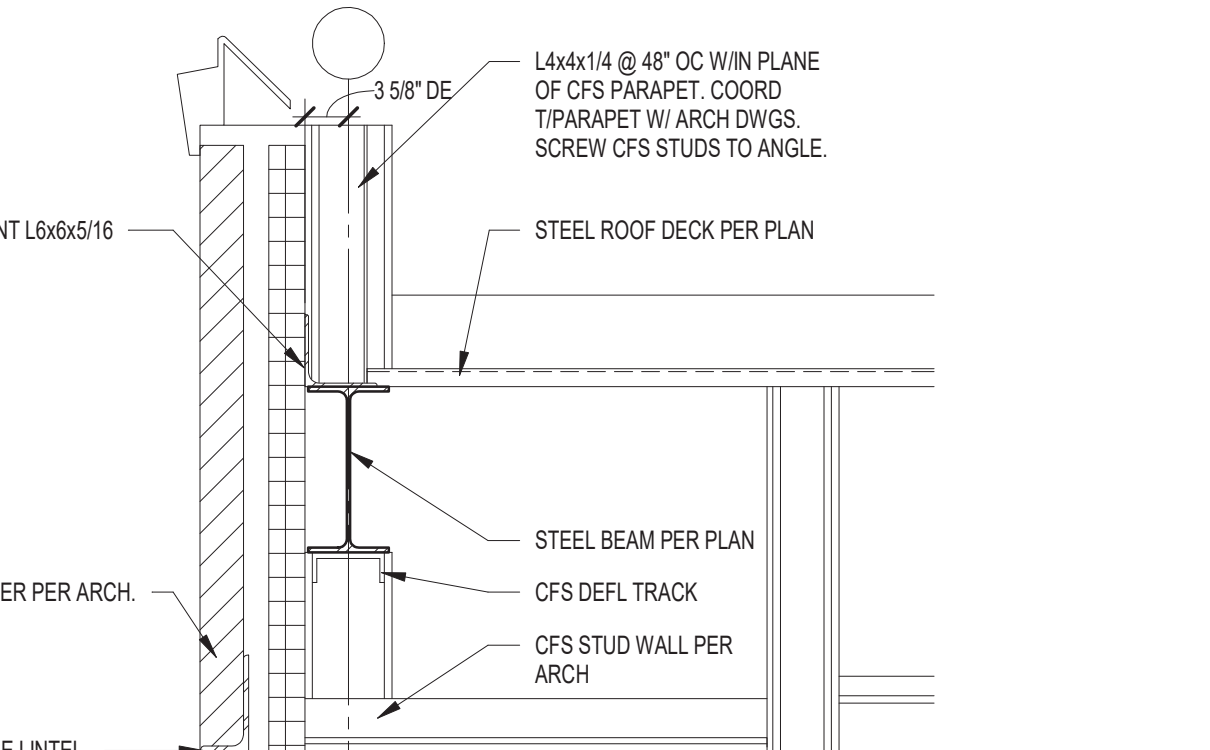
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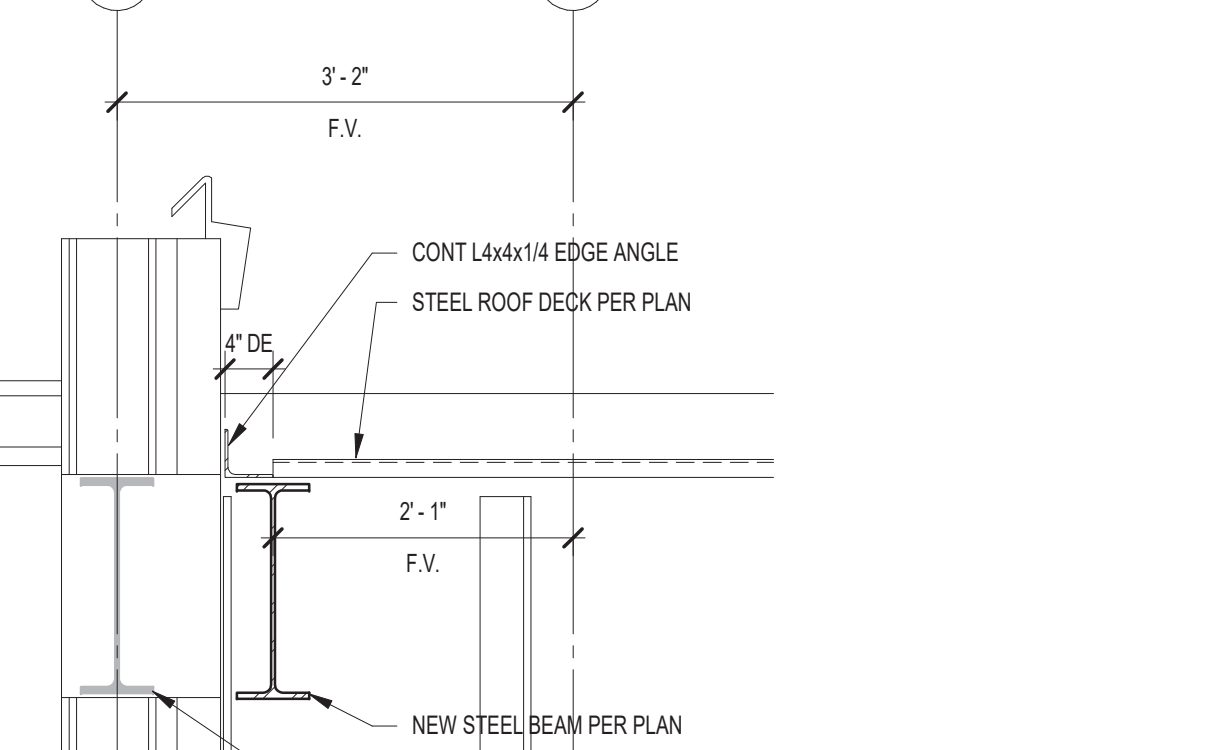
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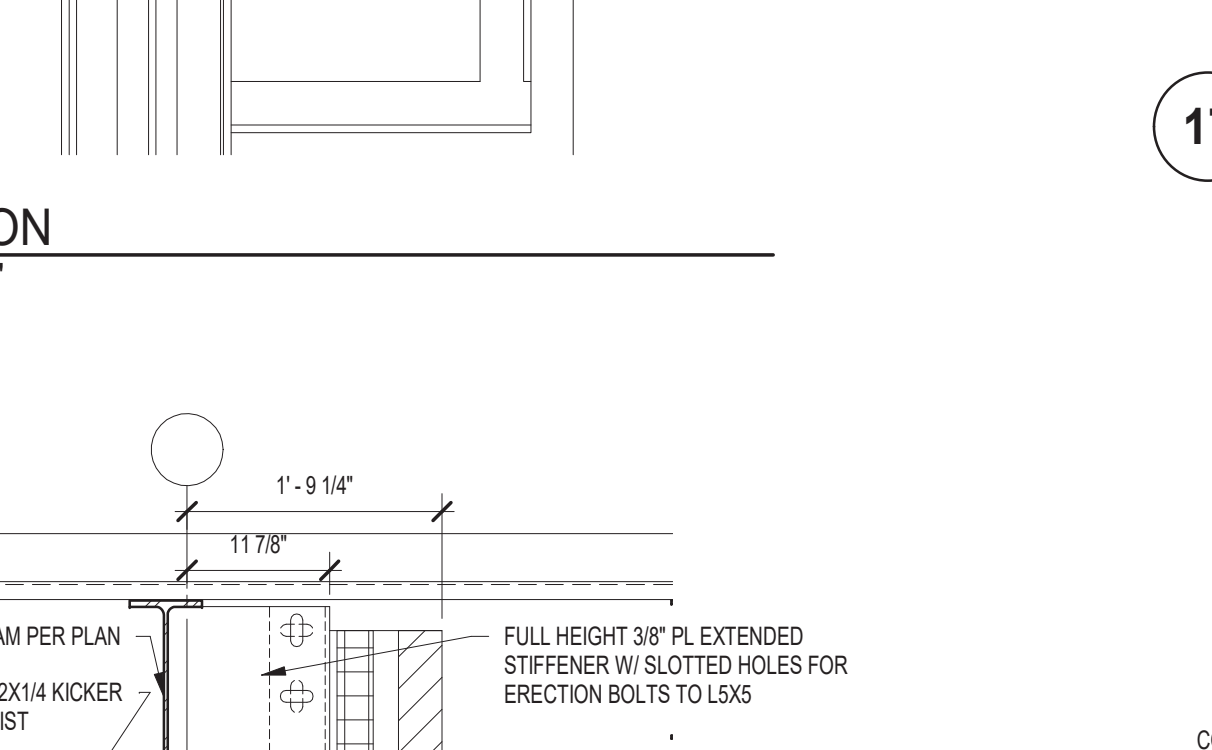
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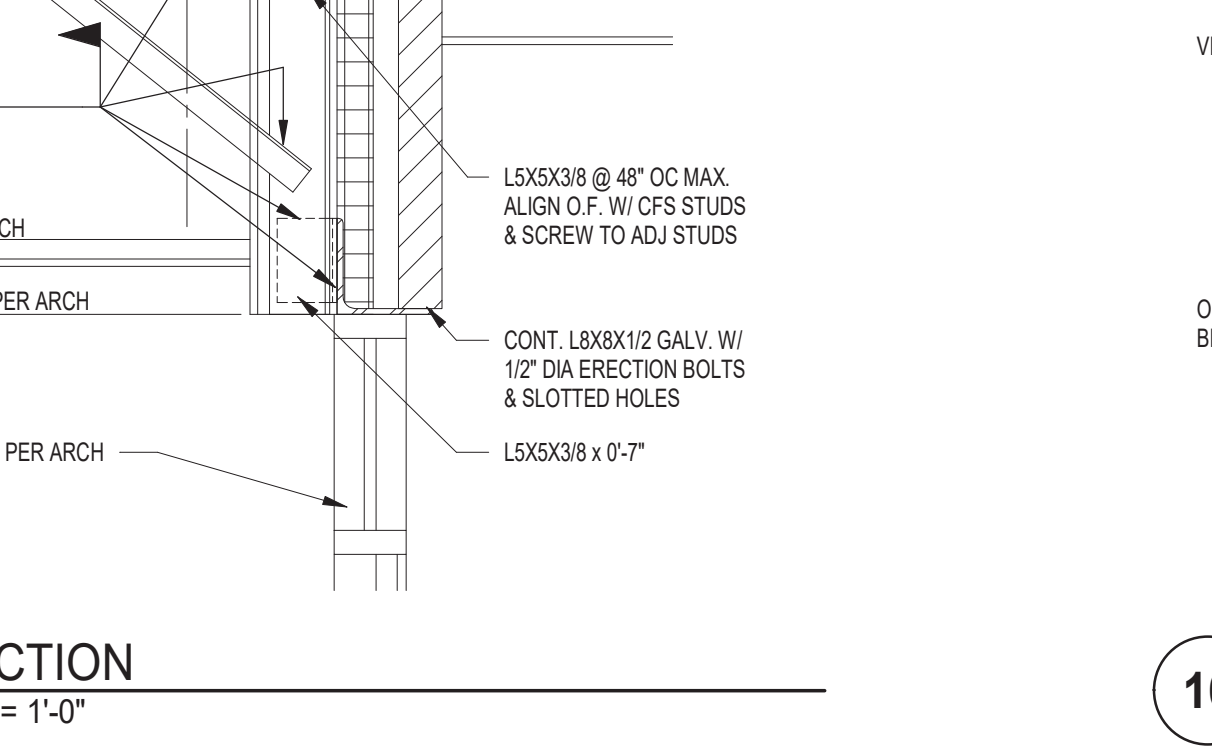
**14 SECTION**  
 3/4" = 1'-0"



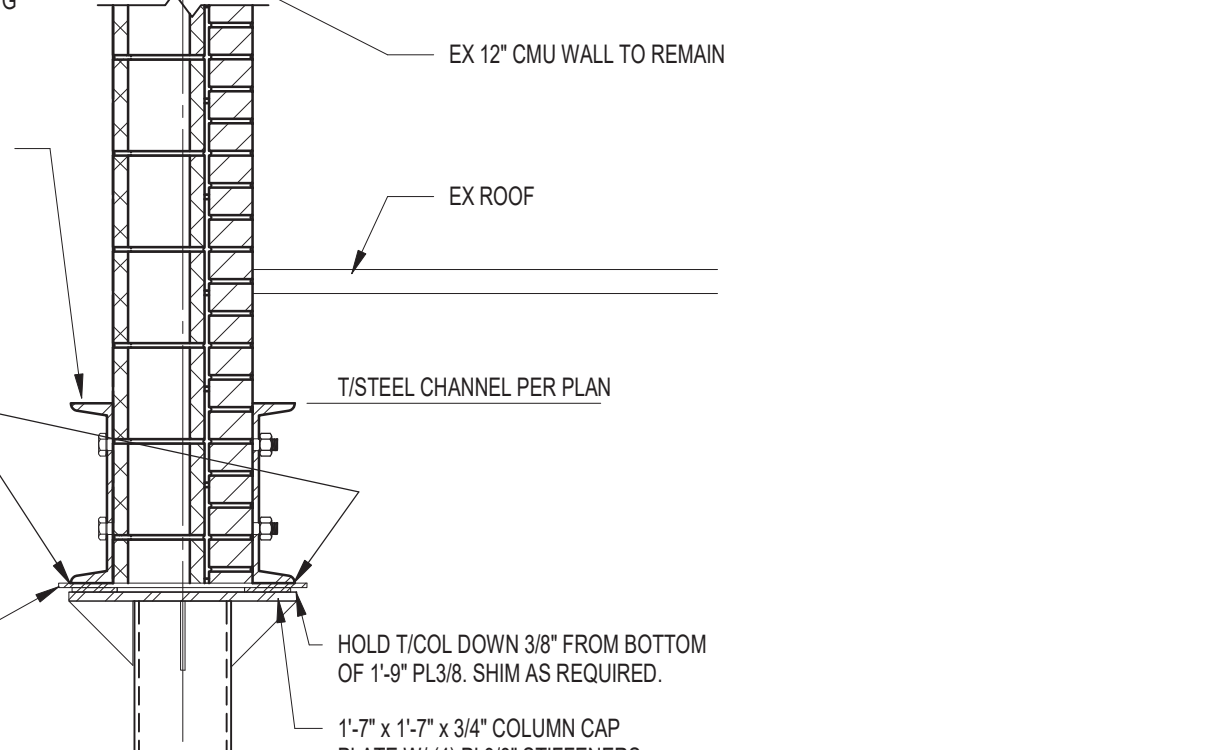
**21 SECTION**  
 3/4" = 1'-0"



**20 SECTION**  
 3/4" = 1'-0"



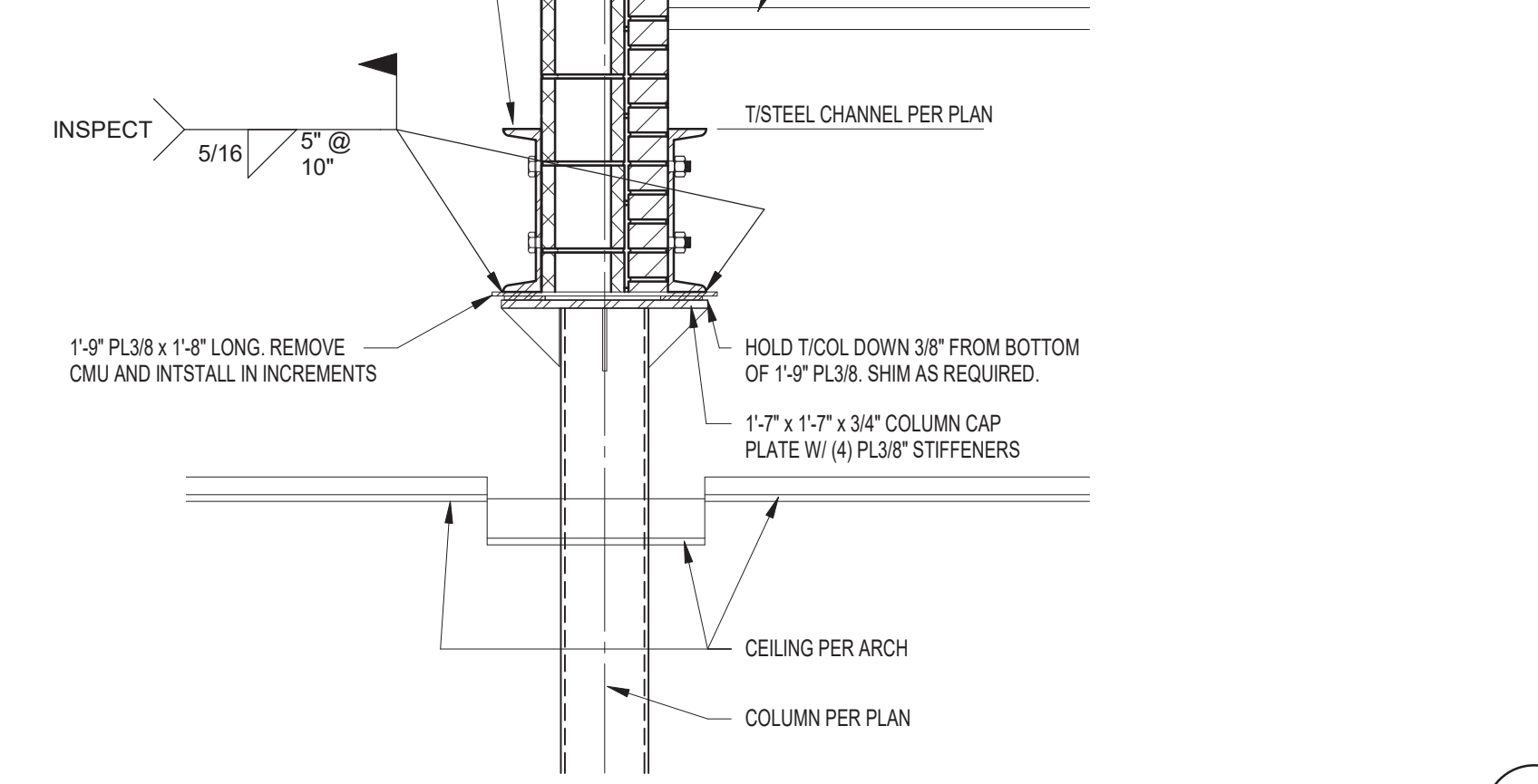
**19 SECTION**  
 3/4" = 1'-0"



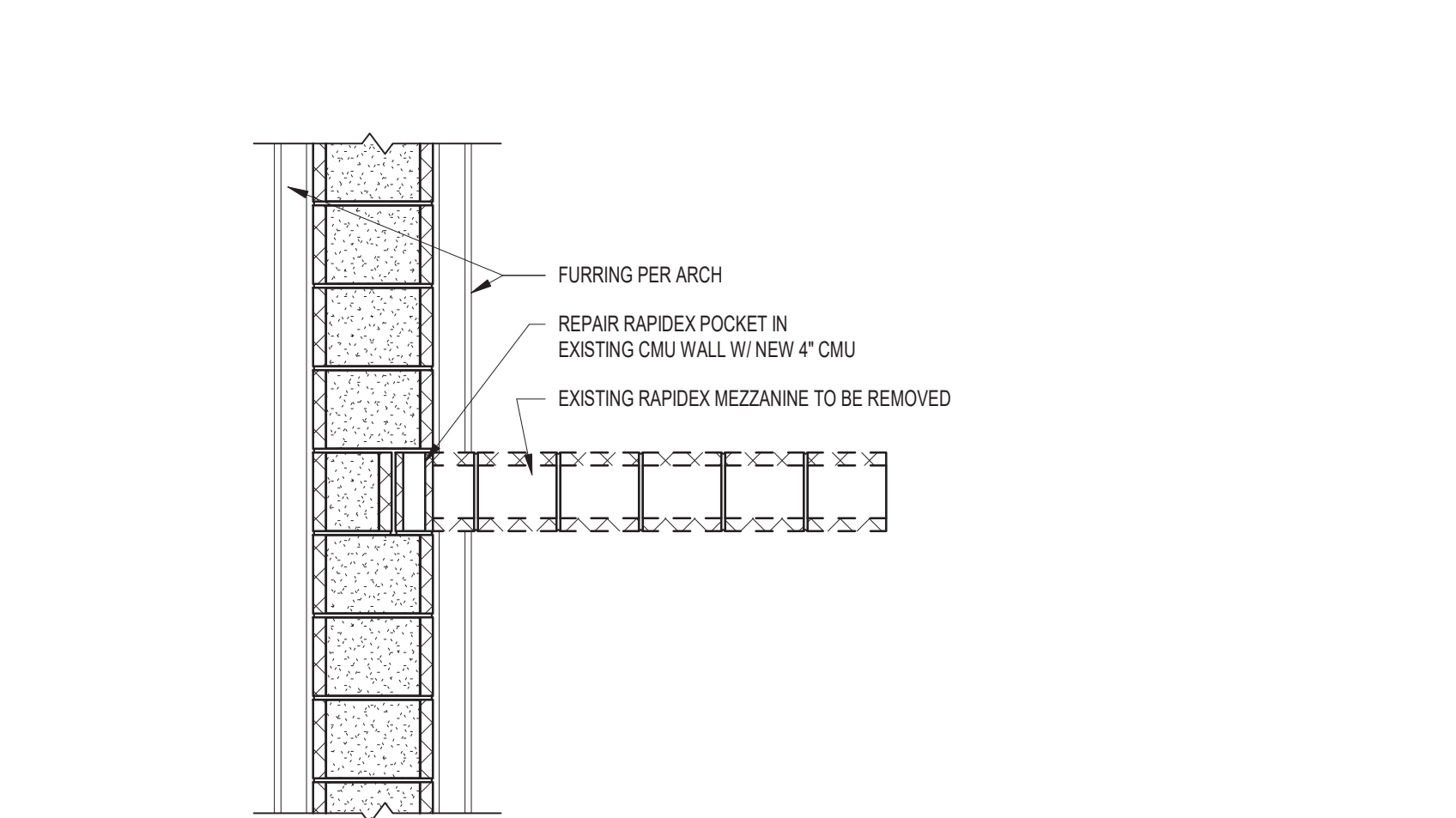
**18 SECTION**  
 3/4" = 1'-0"

**NOTE:** IT IS POSSIBLE BICHANNEL MIGHT NOT LAND AT MASONRY COURSE JOINT. CUT EX MASONRY AS REQUIRED AFTER TIGHTENING OF THRU BOLTS. IF ANY PORTIONS OF EX MASONRY FALL OUT OF THE CAVITY B/W CHANNELS, FILL WITH NON-SHRINK GROUT.

NEW STEEL 2C15X40 FOR WALL SUPPORT. CONNECT W/ 1" DIA THRU BOLTS @ 16" OC STAGGERED TOP AND BOTTOM.



**19 SECTION**  
 3/4" = 1'-0"



**18 SECTION**  
 3/4" = 1'-0"





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**HB**  
 Lynch, Harrison & Brumleve, Inc.  
 P 317.423.1550  
 F 317.423.1551  
 550 Virginia Avenue  
 Indianapolis, IN 46203

**PROJECT:**  
 MSD OF WARREN TOWNSHIP  
 HAWTHORNE ELEMENTARY SCHOOL  
 RENOVATION & ADDITION  
 8301 RAWLES AVE, INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project. The contractor shall be responsible for the coordination of all mechanical, electrical and plumbing systems. The contractor shall be responsible for the procurement and installation of all materials and equipment. On the basis of the general scope indicated on these drawings, the contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:	DATE:	BY:
2	Addendum 3	8/19/2022

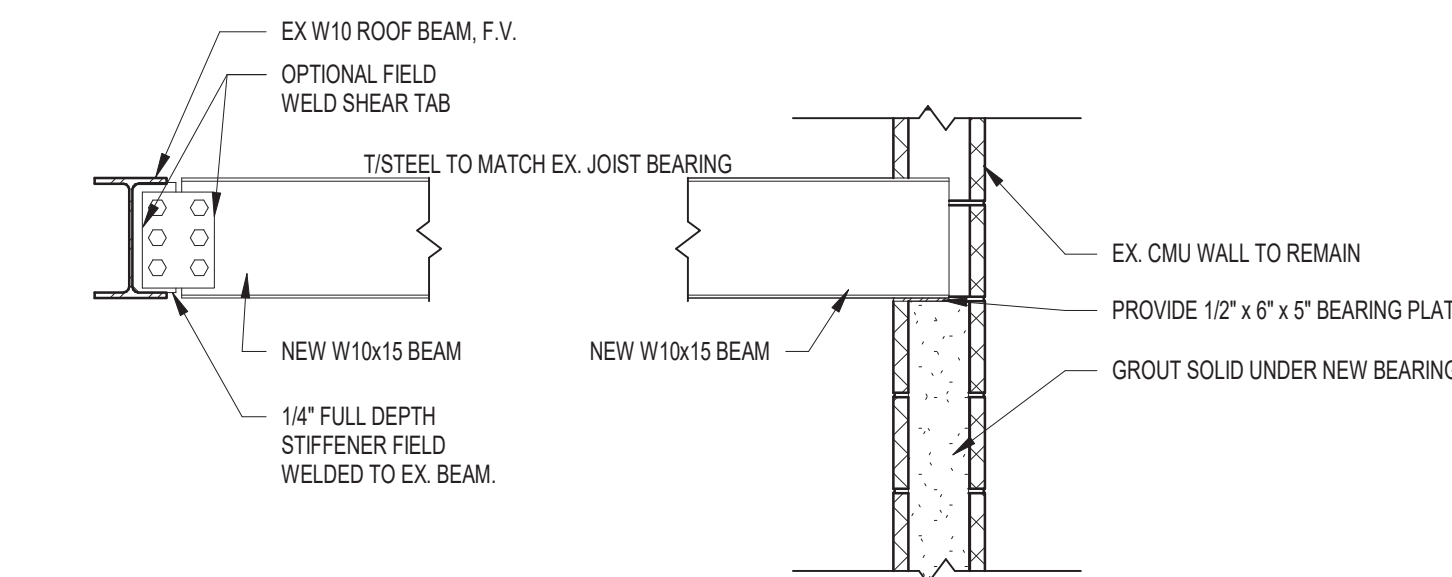
ISSUE DATE:	DRAWN BY:	CHECKED BY:
07/25/2022	JAW	MDL

**DRAWING TITLE:**  
**FRAMING SECTIONS AND DETAILS**

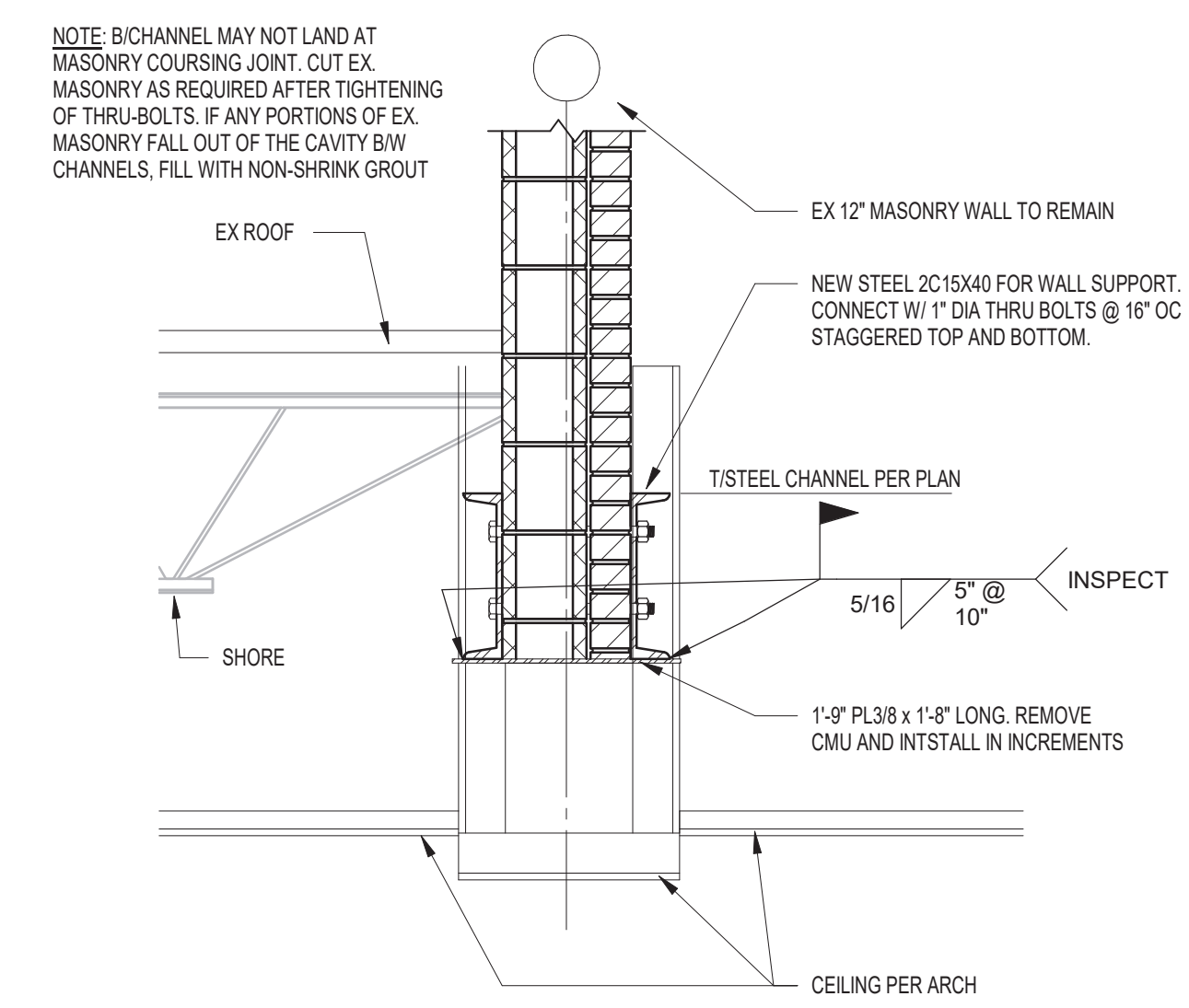
**CERTIFIED BY:**

**DRAWING NUMBER:**  
**S712**

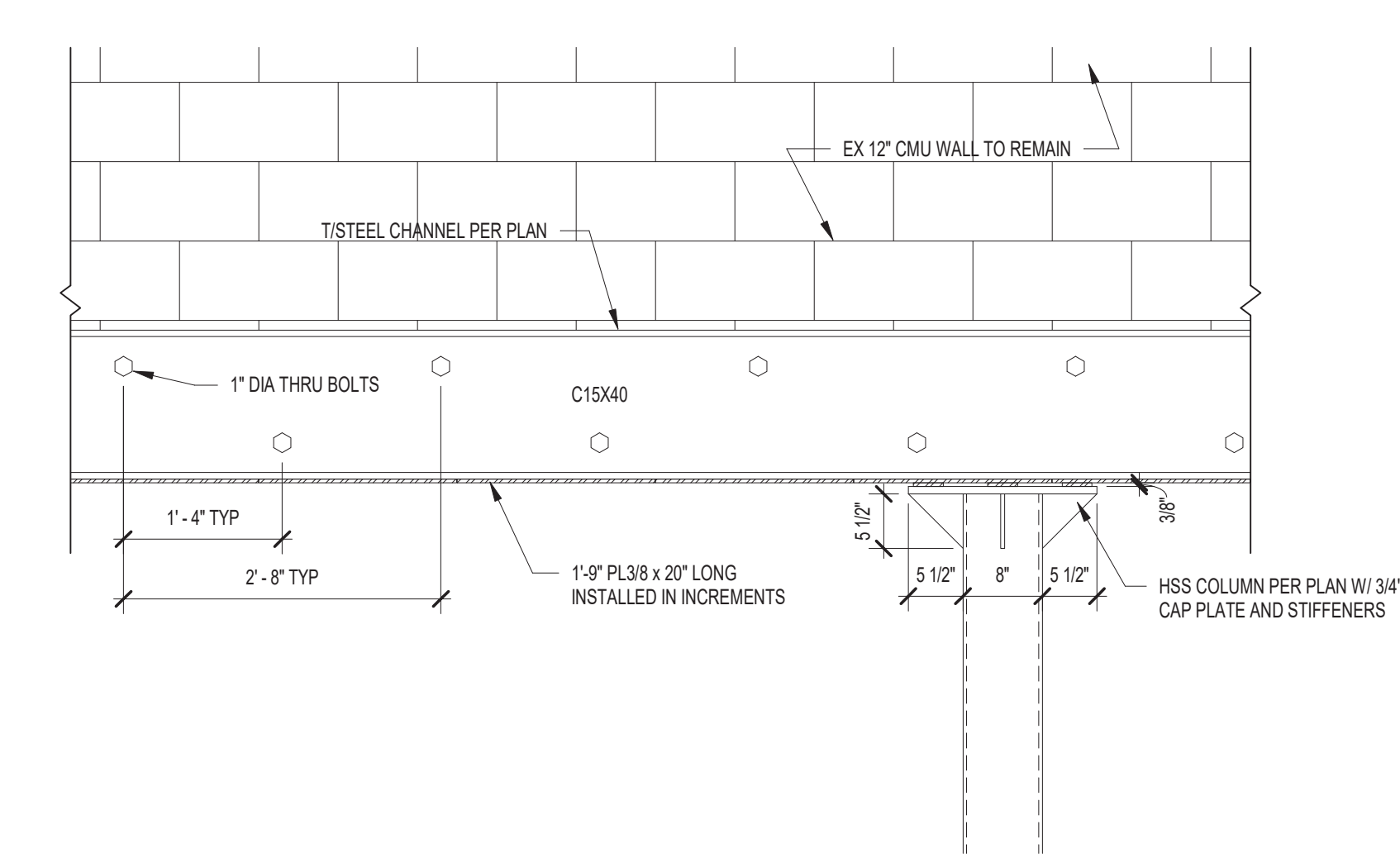
**PROJECT NUMBER:**  
 2021054



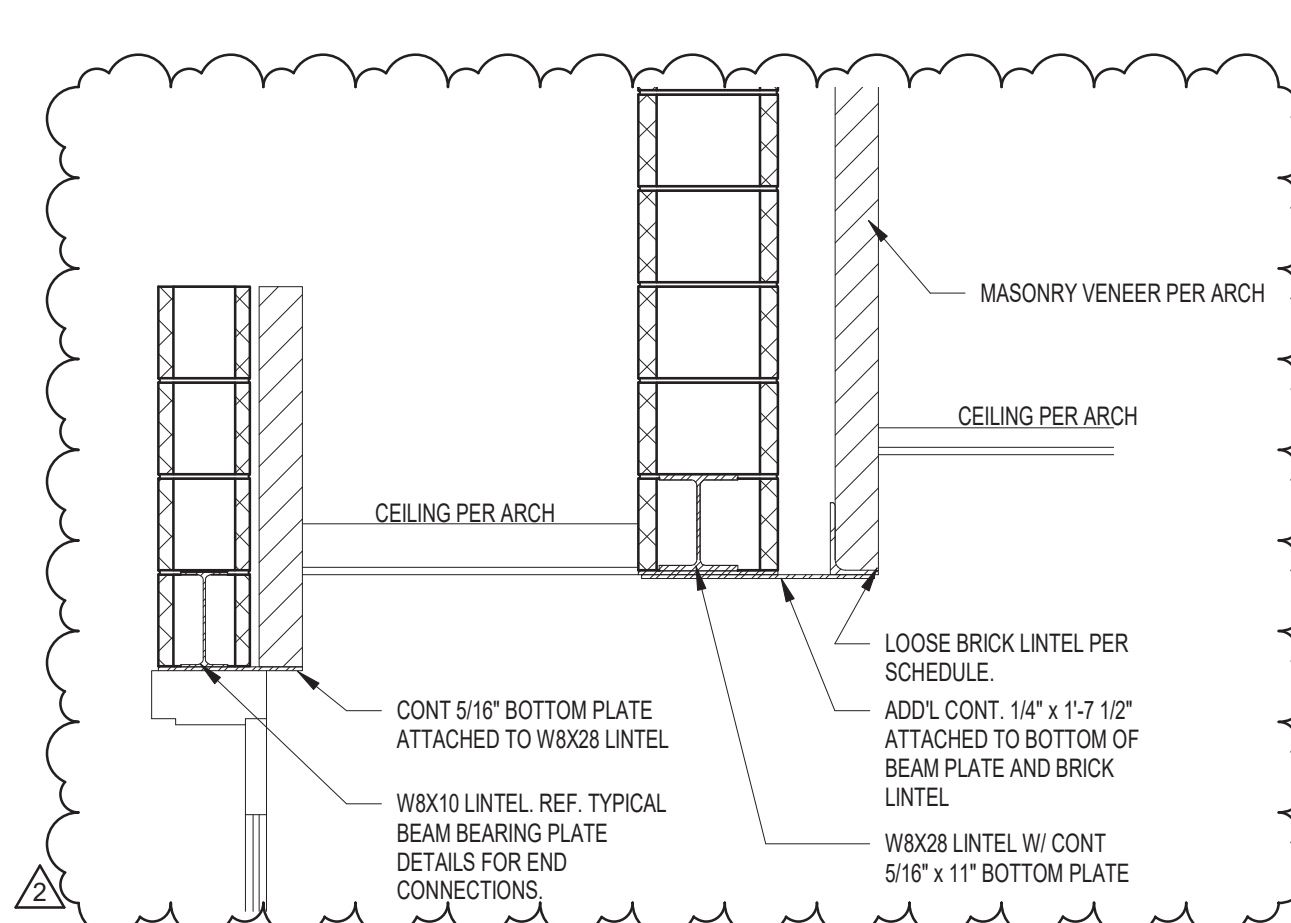
**4 SECTION**  
 3/4" = 1'-0"



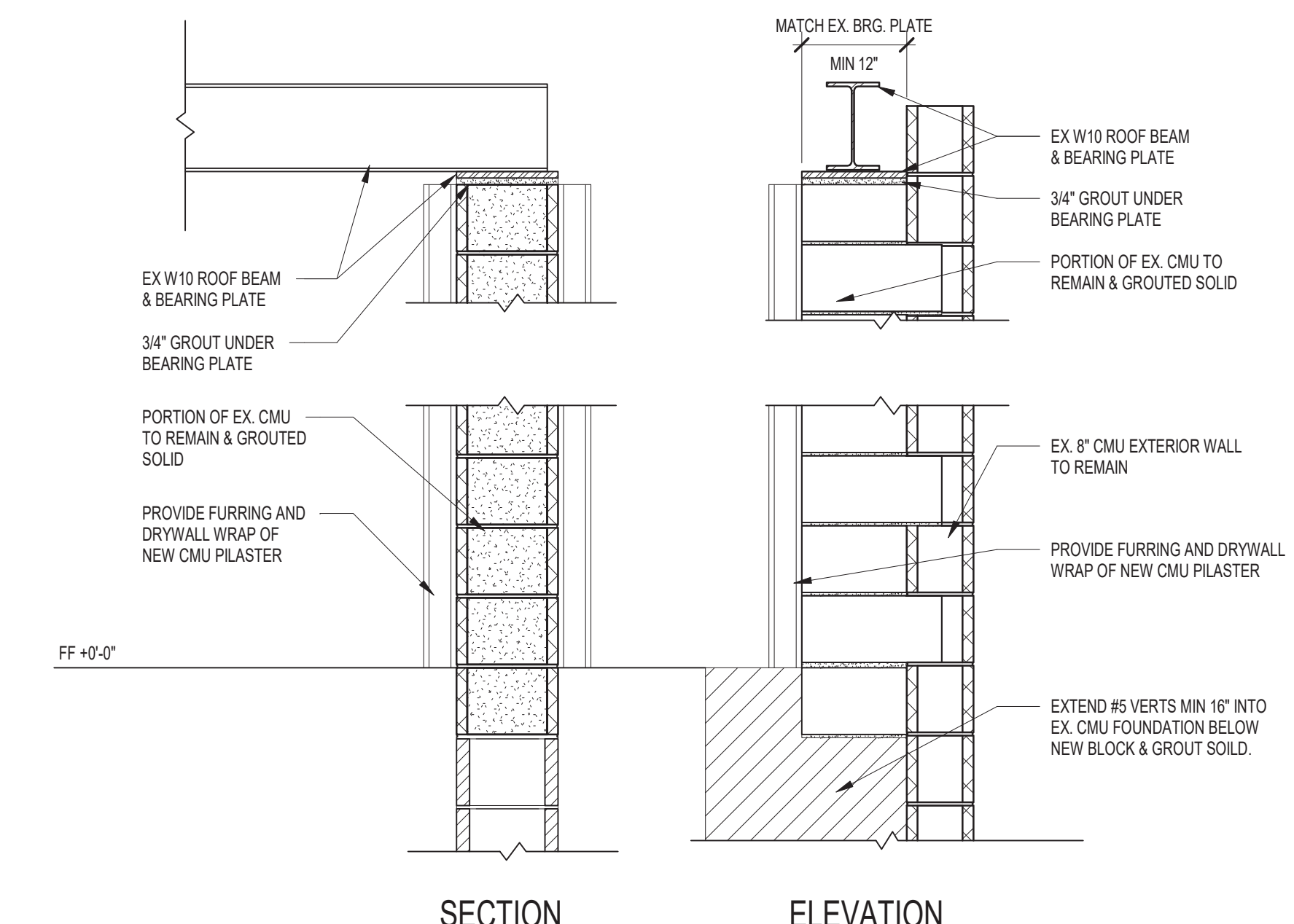
**3 SECTION**  
 3/4" = 1'-0"



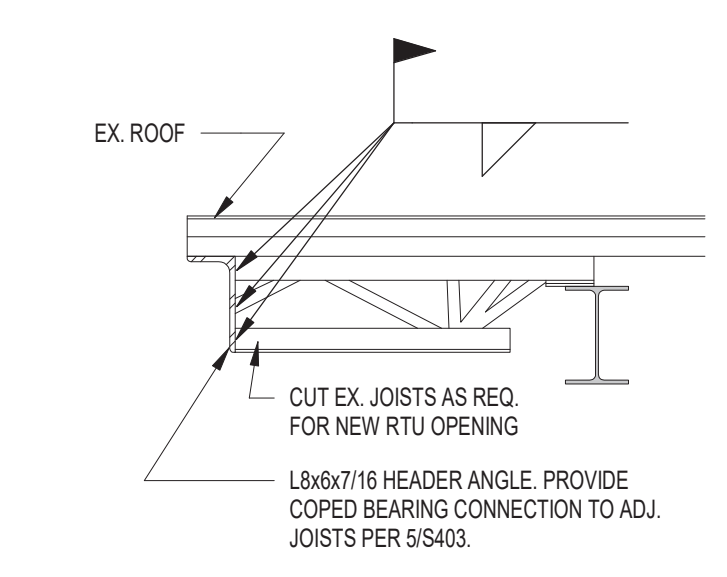
**2 DETAIL - DOUBLE CHANNEL ELEVATION**  
 3/4" = 1'-0"



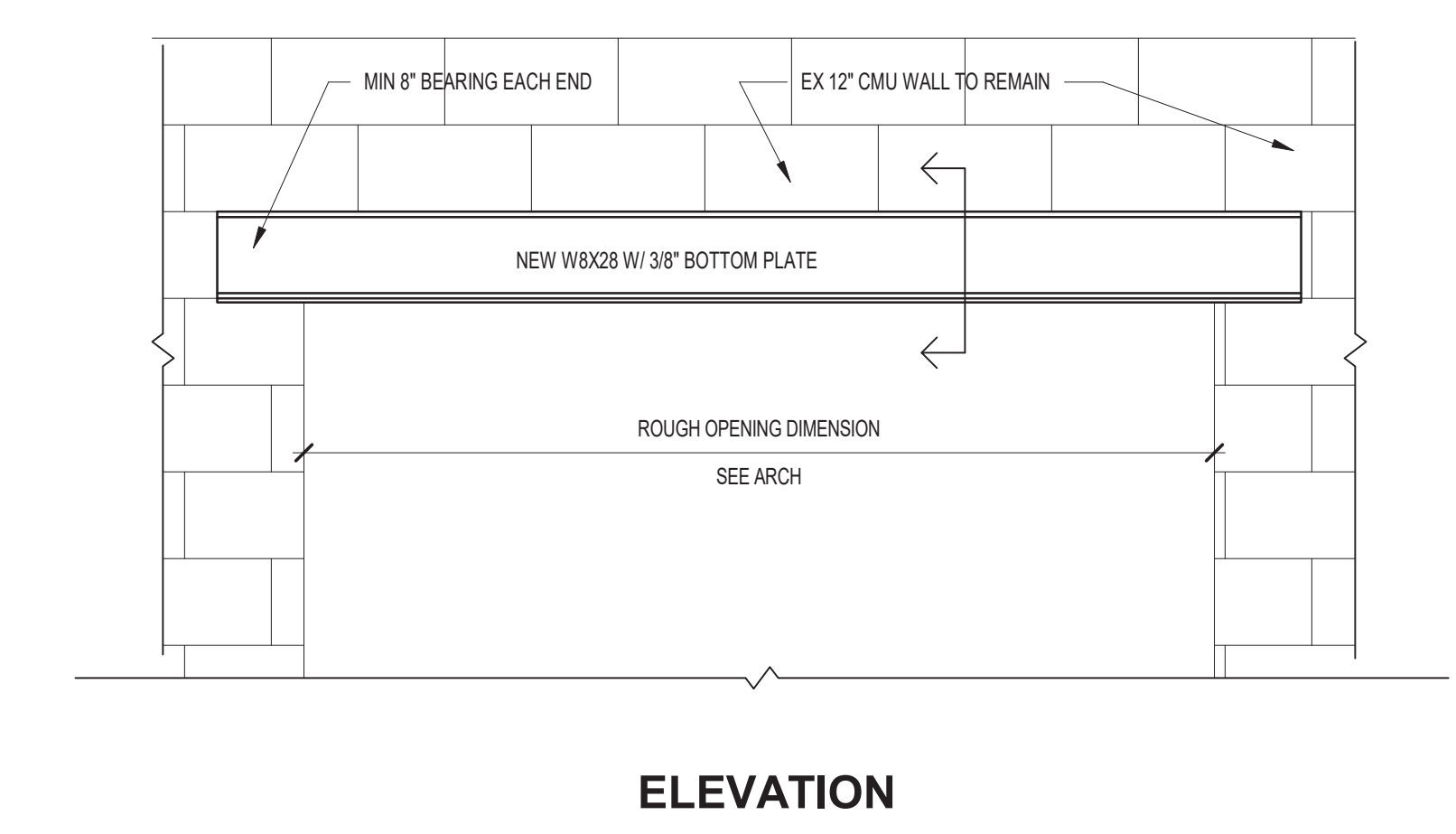
**1 SECTION**  
 3/4" = 1'-0"



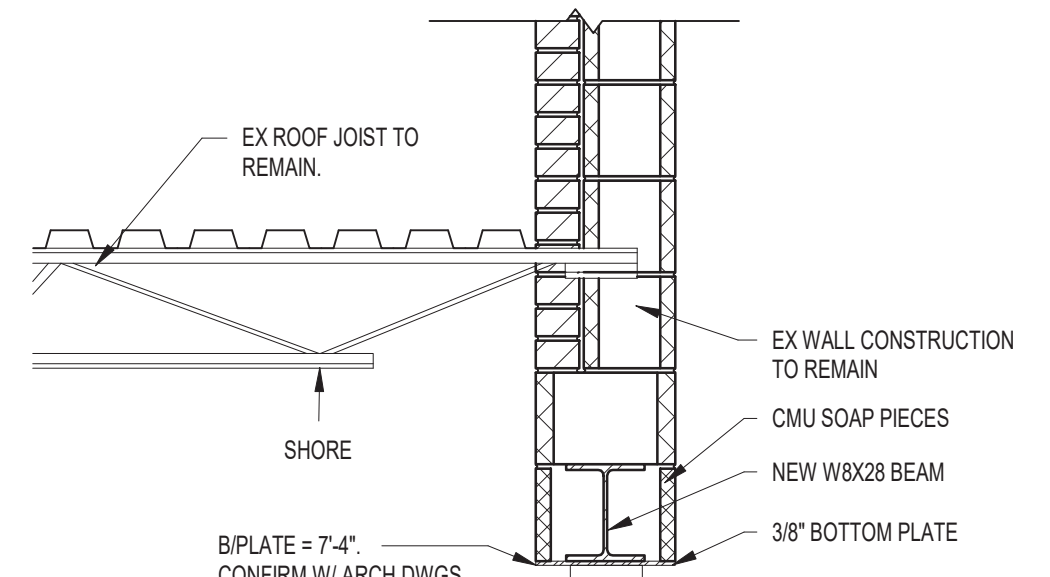
**6 SECTION**  
 3/4" = 1'-0"



**7 SECTION**  
 3/4" = 1'-0"



**5 DETAIL - OPENING IN EX. CMU WALL**  
 3/4" = 1'-0"



**SECTION**

**NOTE:** PROVIDE THIS DETAIL FOR ANY NEW OPENING IN EX. CMU WALL. REFER ARCH. DWGS FOR LOCATIONS, ROUGH OPENING DIMENSIONS, AND BEARING ELEVATIONS. BOTTOM PLATE TO BE 1/2" NARROWER THAN THE WALL WIDTH.

Addendum #3

To: All Bidders of Record

This addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and Drawings. This addendum is issued in accordance with the provision of "The General Conditions of the Contract for Construction, "Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. All Contractors shall incorporate into the contract documents and into their bid the following changes and clarifications to the drawings, specifications and scope of work.

Acknowledge receipt of this addendum in the location provided on the bid form.

Plumbing

*Specifications:* N/A

*Drawings:* N/A

Mechanical

*Specifications:*

Item 1. Section 23 63 13 Air Cooled Condensing Unit

Paragraph 1.02: Add York as an acceptable manufacturer.

Item 2. Section 23 73 13 Air-Handling Units

Paragraph 2.01 A: Add York as an acceptable manufacturer.

Item 3. Section 23 75 33 Packaged Make-Up Air Units

Paragraph 2.01 B: Add York as an acceptable manufacturer.

Item 4. Section 23 82 19 Fan Coil Units

Paragraph 2.01 G: Add Johnson Controls as an acceptable manufacturer.

2021054  
Addition and Renovation  
Hawthorne Elementary School  
MSD of Warren Township

*Drawings:*

**Item 1.** Sheet M302, MECHANICAL PIPING DETAILS  
Modify the EQUIPMENT SCHEDULE as follows:

Add Wessels NLA Series as acceptable manufacturer for ET-1.

Add Wessels SPA-S Series as acceptable manufacturer for AS-1.

Electrical

*Specifications:*

Item 1. Specification 260519 Wires and Cables

Add the following: 260519.2.01.A.3 Power and Control Signal Cable.

Southwire MC-PCS Duo (or equal from manufacturer listed under 260519.2.01.A.1) may be used within classrooms as fixture/switch whips only. A EMT homerun from panel to room is still required.

Item 2. Specification Section 260925 Occupancy Sensors

260925.1.04.A add Sensor Worx as an acceptable manufacture.

*Drawings:*

Item 1. Sheet E102 Electrical Site Demolition Plan  
Replace with attached drawing.

Item 2. Sheet E103 Electrical Site Plan  
Replace with attached drawing.

Item 3. Sheet ED201A First Floor Power and Systems Demolition Plan Unit A  
Remove existing buss tap, raceway and fused disconnect located adjacent to Main Distribution Panel to make room for new 1200A/3P fused disconnect switch.

Item 4. Electrical Demolition Plan Notes (Sheets ED201A,B,C,D)

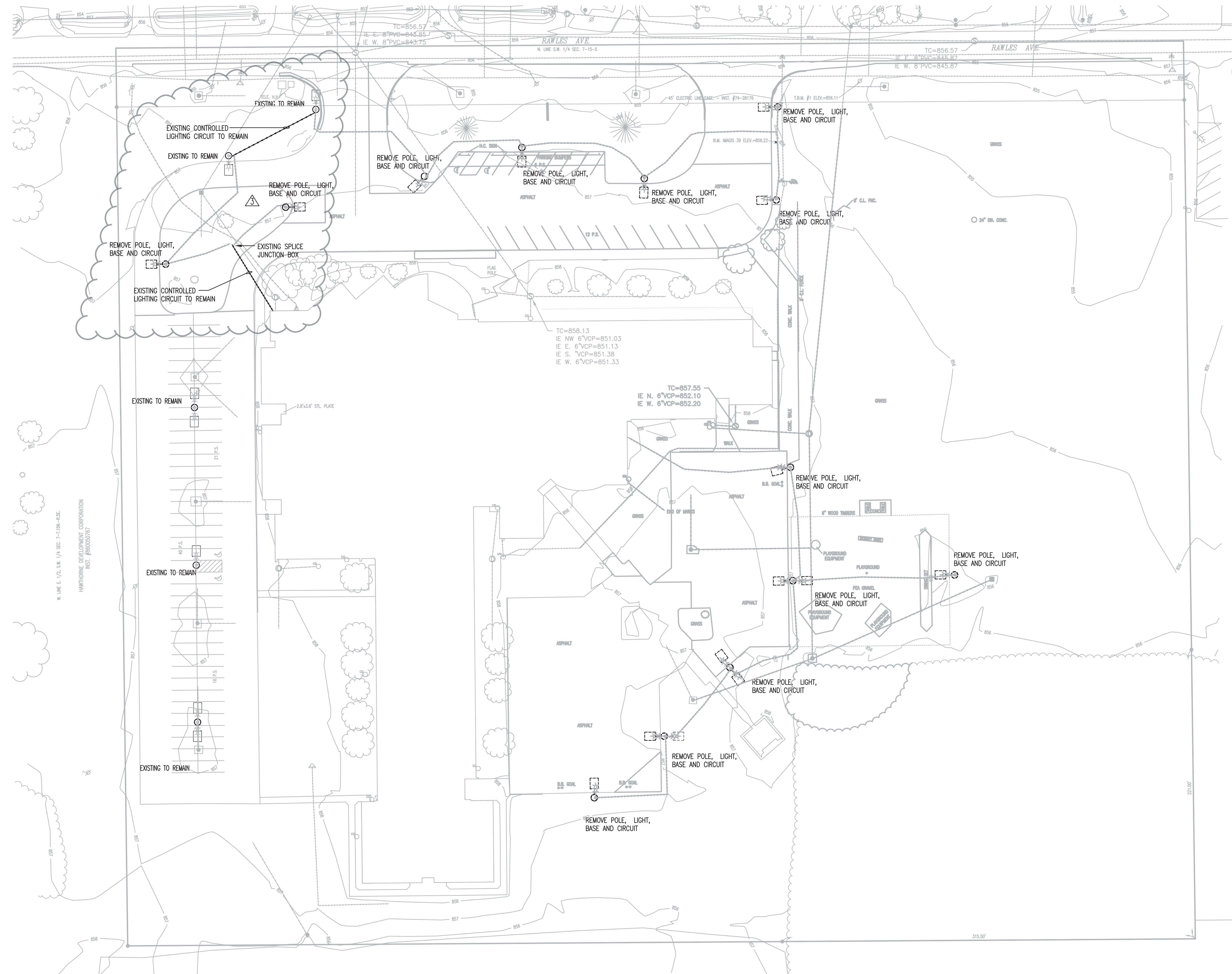
Revise plan note #5 to read as follows.

Existing devices to remain that are installed into walls that are to be furred out are to be adjusted for new wall depth and provide new receptacle and coverplate. Typical of all. Other electrical devices are to be reinstalled with existing coverplates.

*Attachments:*

E102 - Electrical Site Demolition Plan

E103 - Electrical Site Plan



**ELECTRICAL SITE DEMOLITION PLAN**  
 SCALE: 1" = 40'-0"



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**STAIR**  
 ASSOCIATES, INC.  
 MECHANICAL / ELECTRICAL ENGINEERS

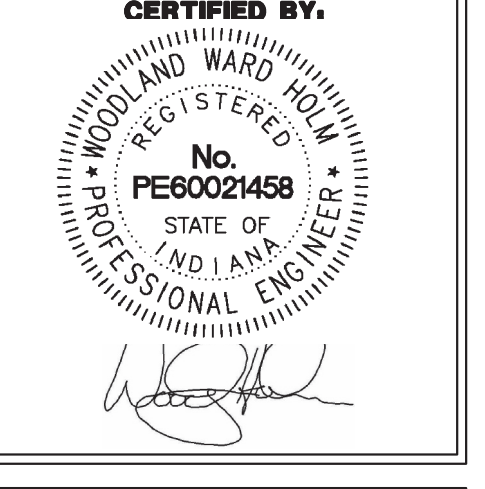
**PROJECT:**  
**MSD OF WARREN TOWNSHIP  
 ADDITIONS AND RENOVATORY SCHOOL  
 HAWTHORNE ELEMENTARY SCHOOL  
 8301 RAWLES AVE, INDIANAPOLIS, IN 46219**

**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project in terms of architectural design, contract, the delineation of building, site, mechanical, electrical and plumbing 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 owner understands and accepts all items required for the proper execution and completion of the work.

**REVISIONS:**  
 ADDENDUM #3 8/19/22

ISSUE DATE	DRAWN BY	CHECKED BY
7/25/22	990	WWH

**DRAWING TITLE:**  
**ELECTRICAL  
 SITE  
 DEMOLITION**



**DRAWING NUMBER**  
**E102**

**PROJECT NUMBER**  
**2021054/1404**



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**STAIR**  
ASSOCIATES, INC.  
MECHANICAL / ELECTRICAL ENGINEERS

**PROJECT:**  
MSD OF WARREN TOWNSHIP  
ADDITIONS AND RENOVATIONS TO  
HAWTHORNE ELEMENTARY SCHOOL  
8301 RAWLES AVE, INDIANAPOLIS, IN 46219

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project in terms of architectural design, structure, the distribution of the building, the major mechanical and electrical systems, and the type of structural, mechanical and electrical systems. The type of the drawings do not necessarily include or describe all work required for full performance and completion of the requirements of the contract.

**REVISIONS:**  
ADDENDUM #3 8/19/22

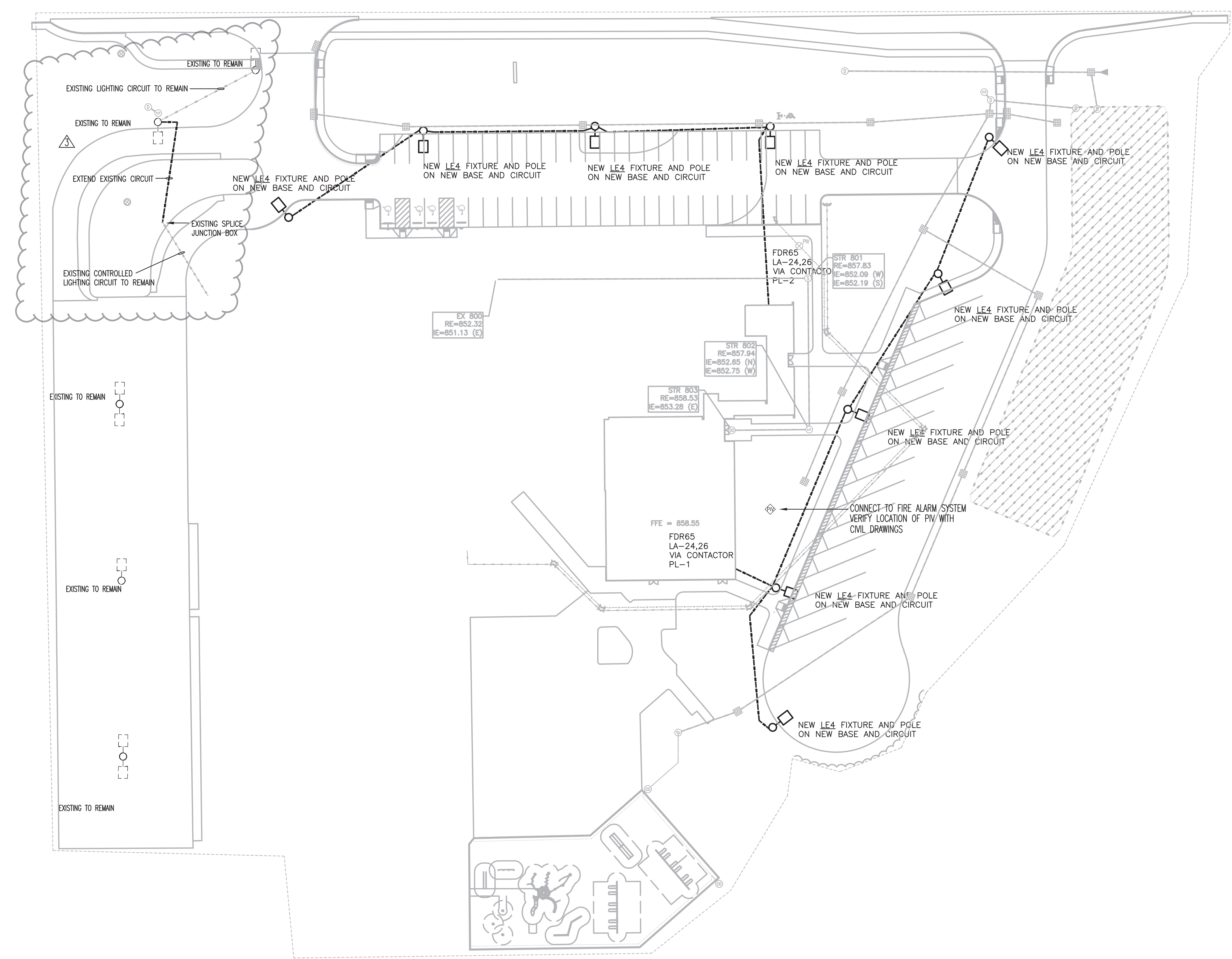
**ISSUE DATE** 7/25/22 **DRAWN BY** SBD **CHECKED BY** WWH

**DRAWING TITLE:**  
ELECTRICAL  
SITE  
PLAN

**CERTIFIED BY:**  
WOOD AND WARD ENGINEERING  
No. PE8002458  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

**DRAWING NUMBER**  
E103

**PROJECT NUMBER**  
2021054/1404



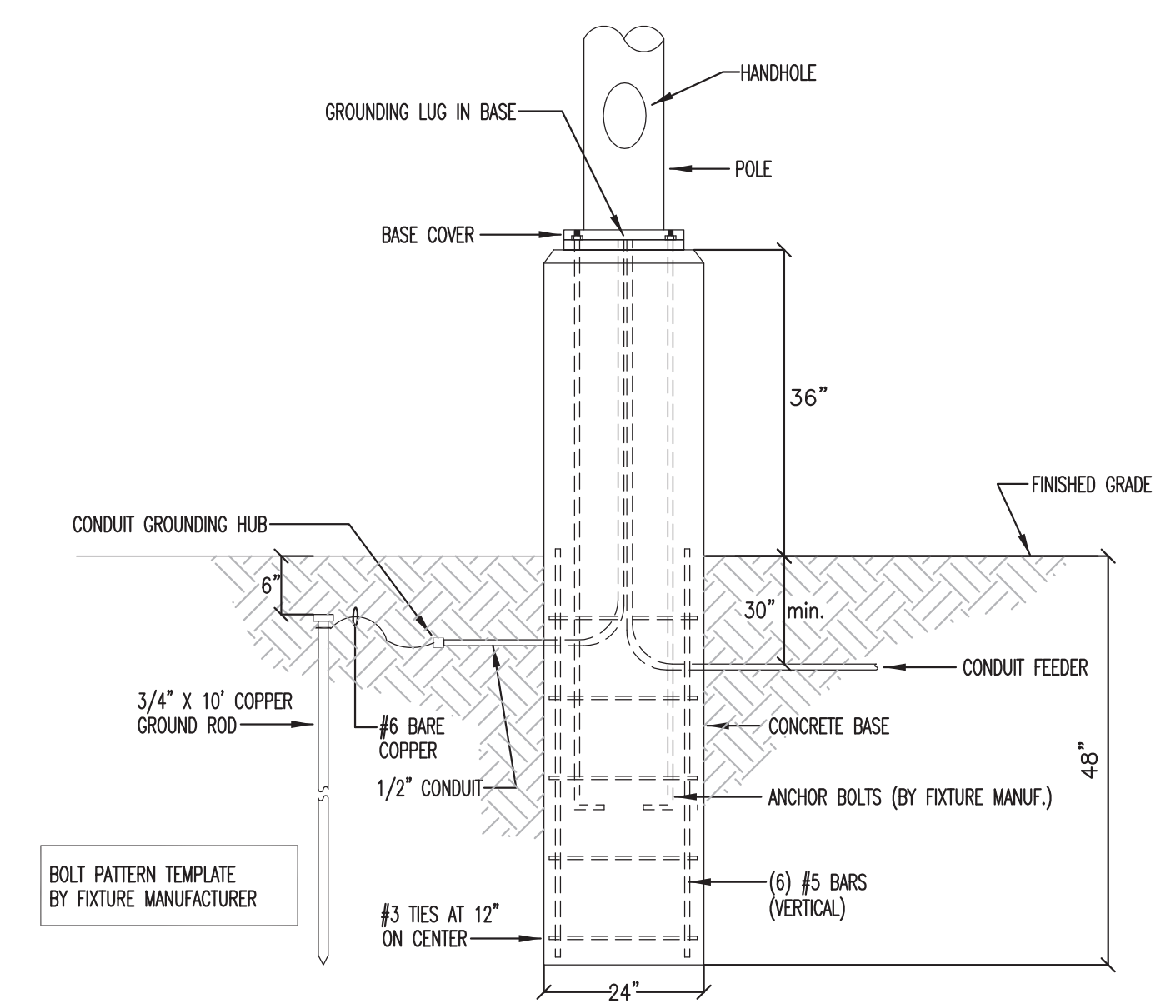
**ELECTRICAL SITE PLAN**  
SCALE: 1" = 40'-0"

CONTACTOR SCHEDULE								
CONTACTOR	LOAD	TYPE	CONTACT RATING	POLE QTY	COIL VOLTAGE	COIL CIRCUIT	CIRCUITS CONTROLLED	NOTE
PL-1	PARKING LOT	ELECTRICALLY HELD	30A	3	120V	LA24	LA24,26	1,2
PL-2	PARKING LOT	ELECTRICALLY HELD	30A	3	120V	LA24	LA24,26	1,2

NOTE:  
1. HOA CONTROL  
2. CONNECT TO BUILDING TEMPERATURE CONTROL SYSTEM

EXTERIOR LED LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	VOLT	LAMP NO. and TYPE	MOUNT	LENS	REMARKS	MANUFACTURER
LE4	PARKING/AREA LIGHT, DIE CAST ALUMINUM HOUSING 3 MIL TGIC POWDER COAT FACTORY STANDARD COLOR IP65 BODY AND IP66 LIGHT ENGINE RATING L90 @ 100,000 HOURS LUMEN OUTPUT 10KV SURGE PROTECTION BLACK FIXTURE COLOR	208	(1) 21000 LUMEN LED @4000K	30" SQUARE BLACK POLE 100MPH EPA RATED BASE TYPE "A"	TYPE 3 DISTRIBUTION	ONE HIGH EFFICIENCY COLD WEATHER DRIVER 130 INPUT WATTS	LITHONIA D SERIES KIM KLF MCGRAW EDISON GALLEON LUMENCON DETROIT SERIES

- NOTES:**
- LIGHT FIXTURE DESIGNATIONS ARE THE SAME FOR LAY-IN CEILING AND DRY WALL CEILING. CONTRACTOR TO VERIFY CEILING TYPE PRIOR TO ORDERING FIXTURES.
  - ELECTRICAL CONTRACTOR IS TO PROVIDE ALL NECESSARY HARDWARE AND ACCESSORIES FOR COMPLETE INSTALLATION OF LIGHT FIXTURES ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
  - ALL FIXTURES TO BE LISTED IN THESE CONFIGURATIONS BY DESIGN LIGHT CONSORTIUM.
  - ALL FIXTURES REQUIRED TO INCLUDE "LIGHTING FACTS" SHEET.



**POLE BASE DETAIL TYPE 'A'**  
NO SCALE