5-26 Lenwil Elementary Cafeteria Renovation

Ouachita Parish School Board

ADDENDUM No. 1

Date October 20, 2025

Project: **Lenwil Elementary School Cafeteria Renovation**

NOTICE TO CONTRACTORS

The following does hereby become a part of the Contract Documents and all provisions of the Documents shall apply to the changes. Include related changes throughout the various drawings and all sections of the specifications, which would result from these changes.

GENERAL CONTRACTORS ARE ADVISED TO NOTIFY ALL AFFECTED SUBCONTRACTORS OF CHANGES INVOLVED IN THE FOLLOWING
ADDENDUM INASMUCH AS THIS OFFICE DOES NOT HAVE A COMPLETE
RECORD OF ALL SUBCONTRACTORS, FIGURING THIS WORK.

GENERAL:

Addendum consist of (19) Nineteen 8 1/2" x 11" page(s) & (6) Six 24” x 36” sheets.

GENERAL NOTES:

1. No products shall be subject to BABA compliance.
2. The PVC roofing will only be used for the roof patches as needed.
3. The plaque for the project is to be 24” wide and 18” tall.
4. The pre-bid sign-in sheet is attached to this addendum.
5. The existing roof warranty is attached to this addendum.
6. Specification 033000 – Quarry Tile is to be added to the project.
7. Specification 096513 – Resilient Rubber Flooring is to be added to this project.
8. Specification 075419 – Polyvinyl-chloride (PVC) Roofing Patching is to be added to the project.
9. Moisture barrier 090561.13 is to be under all new flooring.

STRUCTURAL:

1. Sheets S1, S1.1, S1.3, S2, S3, and S4 are to be added to this project.

103 Cypress Street West Monroe, LA 71291 o. 340.1550 f. 318.998.1315
www.tbastudio.com

TBA

Lenwil Elementary School Cafeteria Renovation

Date of Conference: 10/17/25
Time of Conference: 10:00 AM

NAME	ORGANIZATION	CONTACT INFORMATION
Ronnie Barfield	Ragan Builders	Phone: 318-372-5725
		Email: tyler@raganbuilders.net
Brandon Carr	Missco	Phone: 601 529 7934
		Email: bcarr@missco.com
Christian Paris	Joe Banks Drywall	Phone: 318 366 3248
		Email: cparis@joebanksdrywall.com
Chris Steele	Joe Banks	Phone: 318-282-3800
		Email: chris@joebanksdrywall.com
Charlie Paris	Grindstone	Phone: 318-953-3102
		Email: charlie@grindstoneconstructionllc.com
Mike Culbertson	Genty Const.	Phone: 318-548-2337
		Email: mike@gentyconstructioninc.com
Rodney Timmons	MJJ (Sub)	Phone: 318-594-8535
		Email: estimating@mechjjs.net

103 Cypress Street West Monroe, LA 71291 o. 318.340.1550 f. 318.998.1315
www.tbastudio.com

TBA

NAME	ORGANIZATION	CONTACT INFORMATION
Daniel Rugg	Rugg Commercial Const.	Phone: 318-376-8911
		Email: ruggcc@gmail.com
Matthew Huff	Womack & Sons	Phone: 318-737-0610
		Email: MatthewJ@WomackandSons.com
Tina Owens	Mann's Construction	Phone: 318-322-3051
		Email: katrina@mannsconst.com
Latrell Jackson Damon Mayfield	D&L of Ouachita Mayfield Construction	Phone: 318 644-4442
		Email: damon@mayfieldconstruction.net
Jamie Johns	OPSB Building Supervisor	Phone: 318-680-2706
		Email:
		Phone:
		Email:
		Phone:
		Email:
		Phone:
		Email:
		Phone:
		Email:

103 Cypress Street West Monroe, LA 71291 o. 318.340.1550 f. 318.998.1315
www.tbastudio.com

Sarnafil BUILDING TRUST

20 Year System Plus Warranty

Warranty Serial No.: WAR21-1588107

SIKAPLAN ROOFING WARRANTY FOR COMMERCIAL BUILDING

Building Owner: Ouachita Parish School Board
Building Name: Lenwil Elementary School Roof Replacement (20-639057)
Building Address: 112 Arrant Road, West Monroe, LA, 71292
Applicator: Terry's Roofing & Sheet Metal, P.O. Box 6019, Bossier City, LA, 71171 Phone: (318) 742-8612

Date of Substantial Completion: 11/20/2020 Date of Inspection: 12/16/2020

Building/Area Name	Used As	Area Warranted (Sq. Ft.)
Lenwil Elementary School Roof Replacement	Education & Culture - Schools	41,700

Sika Corporation ("Sika"), warrants to the owner of the building described above ("Owner"), that subject to the terms, conditions, and limitations, including the limitations set forth in section 10 below, stated herein, Sika Sarnafil will repair roof leaks originating from the Sikaplan Roofing Membrane, Sarnatherm Insulation or Sika Corporation Roofing Accessories* installed according to Sika Corporation's Technical instructions by a Sika Corporation Authorized Roofing Applicator for a period of 20 years commencing with the date of substantial completion of the installation of the Roofing Membrane with no monetary limit with respect to roof repair costs.
* For skylights purchased through Sika Corporation, refer to the attached Skylight Warranty Addendum for specific warranty coverage.

TERMS, CONDITIONS, LIMITATIONS

1. Owner shall notify Sika Corporation on the first business day immediately following the discovery of each leak in the Roofing System and confirm in writing within one week.
2. If on Sika Corporation's inspection, Sika Corporation determines that the leak is caused by a defect in the Sikaplan Roofing Membrane, Sarnatherm Insulation or Accessory provided by Sika Corporation to the Applicator for this building or from a defect in the Sika Corporation Authorized Applicator's workmanship applied to that Sikaplan Membrane, except as provided in the following paragraph three (3) Owner's remedies and Sika Corporation's liability shall be limited to Sika Corporation's repair of the Roofing Membrane, Sarnatherm Insulation or Accessory.
3. This warranty does not apply and may be null and void if any of the following occur:
   (a) The Roofing Membrane, Sarnatherm Insulation or Accessory is damaged by a natural disaster including, but not limited to, earthquake, lightning, hail, peak wind gust in excess of 60 mph, hurricane, or tornado, as defined by The National Weather Service, or other acts of God, or:
   (b) The Roofing Membrane, Sarnatherm Insulation or Accessory is damaged by any act of negligence, accident, or misuse including, but not limited to, vandalism, falling objects, civil disobedience, or act of war, or:
   (c) A deficient pre-existing condition or equipment is causing water entry, or:
   (d) Metal work or other accessories or equipment is used in the Roofing and causes leaks, or:
   (e) There are any alterations or repairs made on or through the completed roof, or objects such as but not limited to fixtures, equipment, or structures are placed on or attached to the completed roof without first obtaining written authorization from Sika Corporation, or:
   (f) Failure by the Owner or his lessee to use reasonable care in maintaining the roof as described in the Owner's Guide provided with this warranty, including that of sealants and caulking, or:
   (g) Loss of integrity of the building envelope and, or structure including, but not limited to partial or complete loss of roof decking, wall siding, windows, doors or other envelope components or from roof damage by wind blown objects, or:
   (h) Condensation accumulates in the roof assembly, or:
   (i) A significant change in the use of the building by the Owner or his lessee expected by Sika Corporation to effect the Roofing Membrane as originally installed, or:
   (j) The Roofing Membrane is damaged by contaminates and/or spills, or:
   (k) Deficient design applied to the Roofing Membrane such as membrane contact with incompatible materials and/or substrates, or:
   (l) The Owner fails to comply with every term and condition stated herein.
4. During the period of this warranty, Sika Corporation, its agents and employees, shall have free access to the roof during regular business hours.
5. Should the Roofing Membrane be concealed, the cost of exposure of the Roofing Membrane for purposes of Sika Corporation's investigation and/or repair, such as removal and replacement of any paving or overburden, shall be the Owner's responsibility.
6. Sika Corporation shall have no obligation under this warranty until all invoices for materials, installation, and services provided by Sika Corporation and the Sika Corporation Authorized Applicator have been paid for in full.
7. Sika Corporation's failure at any time to enforce any of the terms or conditions stated herein shall not be construed to be a waiver of such provision.
8. This warranty may be transferred to a subsequent Owner of the Building if approved in advance and in writing by Sika Corporation and the cost to process the transfer and to inspect and repair the Sika Corporation Roofing System, if necessary, such as but not limited to, removal and replacement of overburden, shall be the Owner's responsibility.
9. The Owner and Sika Corporation hereby agree that any and all claims (contractual, statutory, common law or otherwise), disputes, or suits that in any way, directly or indirectly, arise out of or relate to this Warranty, or the alleged breach thereof, or to any contracts between the owner and Sika Corporation , or the alleged breach thereof, or to the design, manufacture, sale, distribution, installation, and/or inspection of the Sikaplan Roofing System, shall first be submitted to non-binding mediation before a neutral mediator jointly selected by the parties or, in the absence of agreement, as designated by the American Arbitration Association. In the absence of resolution by mediation, all such claims shall be settled by arbitration by the American Arbitration Association in accordance with the Construction Industry Arbitration Rules. Any such mediation and/or arbitration shall take place in Boston, Massachusetts. This Warranty, and any claims, disputes or suits between the parties hereto shall be governed by, and construed and enforced in accordance with, the laws of the Commonwealth of Massachusetts.
10. **THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THE REMEDIES STATED HEREIN ARE EXCLUSIVE REMEDIES AND SIKA CORPORATION SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES INCLUDING THE PRESENCE OF MOLDS, FUNGI, BACTERIA, SPORES, MYCOTOXINS OR THE LIKE OR FURTHER LOSS OF ANY KIND WHATSOEVER, INCLUDING BUT NOT LIMITED TO, DAMAGE TO THE BUILDING ON WHICH THE COMPONENTS OF THE ROOF ARE SITUATED, DAMAGE TO THE CONTENTS THEREOF, LOSS OF USE OF THE BUILDING OR ANY COMPONENT PART THEREOF, OR DAMAGE TO ANY OTHER PROPERTY OR PERSONS.**

NO REPRESENTATIVE OF SIKA CORPORATION HAS AUTHORITY TO MAKE ANY REPRESENTATIONS OR PROMISES EXCEPT AS STATED HEREIN.

This Warranty Is Effective From: 11/20/2020 through: 11/20/2040

Michelle Cavacas
Michelle Cavacas
Warranty Issuance Supervisor

02/01/2021
Date:

Brian J. Whelan
Brian J. Whelan
Executive Vice President

02/01/2021
Date:

SIKA CORPORATION • ROOFING
100 Dan Road • Canton, MA 02021
Tel: 781-828-5400 • Fax: 781-828-5365 • usa.sarnafil.sika.com

SECTION 093000 – QUARRY TILE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Quarry tile.
2. Stone thresholds.
3. Waterproof membrane.
4. Crack isolation membrane.

1.2 ACTION SUBMITTALS

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

B. Samples:

1. Each type and composition of tile and for each color and finish required.
2. Assembled samples, with grouted joints, for each type and composition of tile and for each color and finish required.
3. Stone thresholds in 6-inch (150-mm) lengths.

1.3 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match and are from same production runs as products installed and that are packaged with protective covering and identified with labels describing contents.

1. Tile and Trim Units:[**Furnish quantity of full-size units equal to 3 percent of amount installed for each type, composition, color, pattern, and size indicated.**]

1.4 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Build mockup of[**each type of**] floor tile installation.
2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 - PRODUCTS

2.1 TILE PRODUCTS

A. ANSI Ceramic Tile Standard: Provide Standard grade tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated.

B. FloorScore Compliance: Tile for floors shall comply with requirements of FloorScore Standard.

C. Low-Emitting Materials: Tile flooring systems shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

D. Tile Type : **Unglazed** square-edged quarry tile.

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

a. American Olean; Division of Dal-Tile International Inc.
b. Daltile; Division of Dal-Tile International Inc.
c. Endicott Tile Ltd.; Endicott Clay Products Co.
d. Florida Brick & Clay Company Inc.
e. Florida Tile Industries, Inc.
f. Quarry Tile Co.
g. Summitville Tiles, Inc.
h. United States Ceramic Tile Company.

2. Face Size: **8 by 8 inches**.
3. Thickness: **1/2 inch**.
4. Wearing Surface: **Abrasive aggregate embedded in surface**.
5. Finish: **Mat, opaque**.
6. Tile Color and Pattern: (TBD) Color selected by owner.
7. Grout Color: **As selected by Architect from manufacturer's full range**.
8. Trim Units: Provide shapes selected from manufacturer's standard shapes:

a. Base: Coved **with surface bullnose top edge**, face size **8 by 8 inches**.

2.2 THRESHOLDS

A. General: Fabricate to sizes and profiles indicated or required to provide transition between adjacent floor finishes.

1. Bevel edges at 1:2 slope, with lower edge of bevel aligned with or up to 1/16 inch (1.5 mm) above adjacent floor surface. Finish bevel to match top surface of threshold. Limit height of threshold to 1/2 inch (12.7 mm) or less above adjacent floor surface.

B. Marble Thresholds: ASTM C 503, with a minimum abrasion resistance per ASTM C 1353 or ASTM C 241 and with honed finish.

1. Description: Uniform, fine- to medium-grained white stone with gray veining.

2.3 WATERPROOF MEMBRANE

A. General: Manufacturer's standard product that complies with ANSI A118.10 and is recommended by the manufacturer for the application indicated.

2.4 CRACK ISOLATION MEMBRANE

B. General: Manufacturer's standard product that complies with ANSI A118.12 for **high** performance and is recommended by the manufacturer for the application indicated.

2.4 SETTING MATERIALS

A. Portland Cement Mortar (Thickset) Installation Materials: ANSI A108.02.

B. Water-Cleanable, Tile-Setting Epoxy: ANSI A118.3 **with a VOC content of 65 g/L or less when "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."**

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Atlas Minerals & Chemicals, Inc.
b. Bonsal American; an Oldcastle company.
c. Bostik, Inc.
d. C-Cure.
e. Custom Building Products.
f. Jamo Inc.
g. Laticrete International, Inc.
h. MAPEI Corporation.
i. Mer-Kote Products, Inc.
j. Southern Grouts & Mortars, Inc.
k. Summitville Tiles, Inc.
l. TEC; a subsidiary of H. B. Fuller Company.

2.5 GROUT MATERIALS

A. Water-Cleanable Epoxy Grout: ANSI A118.3**, with a VOC content of 65 g/L or less when calculated according to 40 CFR 59, Subpart D**.

1. Manufacturers: Subject to compliance with requirements, **provide products by one of the following**:
2. Basis-of-Design Product: Subject to compliance with requirements, provide **product indicated on Drawings,** or comparable product by one of the following:

    a. Atlas Minerals & Chemicals, Inc.
    b. Boiardi Products; a QEP company.
    c. Bonsal American; an Oldcastle company.
    d. Bostik, Inc.
    e. C-Cure.
    f. Custom Building Products.
    g. Jamo Inc.
    h. Laticrete International, Inc.
    i. MAPEI Corporation.
    j. Mer-Kote Products, Inc.
    k. Southern Grouts & Mortars, Inc.
    l. Summitville Tiles, Inc.
    m. TEC; a subsidiary of H. B. Fuller Company.
    n. <**Insert manufacturer's name**>.

2.6 ELASTOMERIC SEALANTS

A. Multipart, Pourable Urethane Sealant for Use T: ASTM C 920; Type M; Grade P; Class 25; Uses T, M, A, and, as applicable to joint substrates indicated, and for use in **commercial kitchens.**

1. Products: Subject to compliance with requirements, **provide one of the following**

    a. Bostik, Inc.; Chem-Calk 550.
    b. Degussa Building Systems; Sonneborn Sonolastic SL 2.
    c. Pecora Corporation;
    d. Sika Corporation; Sikaflex-2c SL
    e. Tremco Incorporated.;

2.7 MISCELLANEOUS MATERIALS

A. Trowelable Underlayment's and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials for installations in **commercial kitchens**.

B. Grout Sealer: Manufacturer's standard product for sealing grout joints and that does not change color or appearance of grout and is suitable for **commercial kitchens**.

1. Products: Subject to compliance with requirements, **provide one of the following** must be suitable for **commercial kitchen floors.**

    a. Bonsal American, an Oldcastle company; Grout Sealer.
    b. Bostik, Inc.;
    c. MAPEI Corporation;

d. Southern Grouts & Mortars

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.

1. Verify that substrates for setting tile are firm, dry, clean, free of coatings that are incompatible with tile-setting materials including curing compounds and other substances that contain soap, wax, oil, or silicone; and comply with flatness tolerances required by ANSI A108.01 for installations indicated.

3.2 PREPARATION

A. Fill cracks, holes, and depressions in concrete substrates for tile floors installed with [**adhesives**] [**or**] [**thin-set mortar**] with trowelable leveling and patching compound specifically recommended by tile-setting material manufacturer.

B. Where indicated, prepare substrates to receive waterproofing by applying a reinforced mortar bed that complies with ANSI A108.1A and is sloped 1/4 inch per foot (1:50) toward drains.

C. Blending: For tile exhibiting color variations, use factory blended tile or blend tiles at Project site before installing.

D. Field-Applied Temporary Protective Coating: If indicated under tile type or needed to prevent grout from staining or adhering to exposed tile surfaces, precoat them with continuous film of temporary protective coating, taking care not to coat unexposed tile surfaces.

3.3 INSTALLATION

A. Comply with TCA's "Handbook for Ceramic Tile Installation" for TCA installation methods specified in tile installation schedules. Comply with parts of the ANSI A108 Series "Specifications for Installation of Ceramic Tile" that are referenced in TCA installation methods, specified in tile installation schedules, and apply to types of setting and grouting materials used.

1. For the following installations, follow procedures in the ANSI A108 Series of tile installation standards for providing 95 percent mortar coverage:

a. Interior quarry tile floors for commercial kitchens
b. Tile floors in wet areas.

B. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.

C. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.

D. Provide manufacturer's standard trim shapes where necessary to eliminate exposed tile edges.

E. Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out tile work and center tile fields in both directions in each space or on each wall area. Lay out tile work to minimize the use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.

F. Joint Widths: Unless otherwise indicated, install tile with the following joint widths:

1. Quarry Tile: **3/8 inch (9.5 mm)**

G. Expansion Joints: Provide expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated. Form joints during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.

1. Where joints occur in concrete substrates, locate joints in tile surfaces directly above them.
2. Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."

H. Stone Thresholds: Install stone thresholds in same type of setting bed as adjacent floor unless otherwise indicated.

1. At locations where mortar bed (thickset) would otherwise be exposed above adjacent floor finishes, set thresholds in latex-portland cement mortar (thin set).

I. Metal Edge Strips: Install [**where exposed edge of tile flooring meets carpet, wood, VCT or other flooring that finishes flush with or below top of tile and no threshold is indicated**].

J. Grout Sealer: Apply grout sealer to grout joints[**on commercial kitchen floors**] according to grout-sealer manufacturer's written instructions. As soon as grout sealer has penetrated grout joints, remove excess sealer from tile faces by wiping with soft cloth. **Grout must be suitable for commercial kitchen floors**.

K. Install waterproofing to comply with ANSI A108.13 and manufacturer's written instructions to produce waterproof membrane of uniform thickness and bonded securely to substrate.

L. Install crack isolation membrane to comply with ANSI A108.17 and manufacturer's written instructions to produce membrane of uniform thickness and bonded securely to substrate.

3.4 INTERIOR TILE INSTALLATION SCHEDULE

A. Interior Floor Installations, Concrete Subfloor:

1. Tile Installation F114: Cement mortar bed (thickset) with cleavage membrane; epoxy grout; TCA F114.

a. Tile Type: 8” x 8” Quarry tile.
b. Grout: Water-cleanable epoxy grout.

END OF SECTION 093000

SECTION 09 65 13 – RESILIENT RUBBER FLOORING

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
1. Resilient rubber flooring and accessories for cafeteria seating area.
2. Resilient base, transitions, and accessories.
3. Installation of rubber flooring over concrete substrates.

B. Related Sections:
1. Section 03 30 00 – Cast-in-Place Concrete: Concrete substrate preparation.
2. Section 09 65 00 – Resilient Flooring (General).
3. Section 09 91 00 – Painting: Finishing of adjacent surfaces.

1.2 REFERENCES

A. ASTM F1344 – Rubber Floor Tile.
B. ASTM F710 – Preparing Concrete Floors to Receive Resilient Flooring.
C. ASTM E648 – Critical Radiant Flux of Floor-Covering Systems.
D. ASTM E662 – Smoke Density.
E. ASTM D2047 – Static Coefficient of Friction.
F. FloorScore Certification – Indoor Air Quality.
G. ADA Standards – Slip Resistance Requirements.

1.3 SUBMITTALS

A. Product Data: Manufacturer’s technical data, installation instructions, and maintenance recommendations.
B. Samples:
1. Full-size tile or 6-inch sample of each color and pattern.
C. Shop Drawings: Layout showing seam locations, transitions, and termination details.
D. Test Reports: Fire, slip resistance, and VOC emissions.
E. Maintenance Data: For inclusion in the Owner’s manual.
F. Warranty Documentation.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 10 years’ experience in producing rubber flooring.
B. Installer Qualifications: Approved by flooring manufacturer, minimum 5 similar installations completed.
C. Mock-Up: Provide minimum 100 SF area for review of adhesion, color, and joint appearance.
1. Approved mock-up may remain as part of final installation.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's unopened labeled packaging.
B. Store in conditioned space, flat, and protected from moisture, sunlight, and extreme temperatures.
C. Condition materials in installation area for 48 hours minimum before installation.

1.6 PROJECT CONDITIONS

A. Maintain temperature between 65 °F and 85 °F (18 °C and 29 °C) and relative humidity below 65 %.
B. Do not install flooring until building is fully enclosed and HVAC is operational.

1.7 WARRANTY

A. Provide manufacturer's standard 10-year warranty covering wear, bond, and color stability.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

Basis-of-Design Product:

- *nora® by Interface – norament® 926 Grano* or *noraplan® sentica* (color as selected by Architect).

Acceptable manufacturers subject to compliance:
1. nora® by Interface
2. Roppe Corporation
3. Johnsonite (Tarkett)
4. Equivalent approved by Architect prior to bidding.

2.2 MATERIALS

A. Rubber Flooring:
1. Vulcanized rubber tile or sheet.
2. Thickness: 3.0 mm (1/8 inch) nominal.
3. Surface: Smooth or hammered texture, non-directional pattern.
4. Color: As selected by Architect from full manufacturer range.
5. Slip Resistance: Minimum 0.8 static coefficient of friction per ASTM D2047.
6. Fire Performance: Class I, critical radiant flux ≥ 0.45 W/cm² per ASTM E648.
7. Smoke Density: < 450 per ASTM E662.
8. VOC Content: FloorScore-certified, < 0.5 mg/m³.
9. Recycled Content: Minimum 10 % post-consumer preferred.

B. Adhesive:
1. Manufacturer's recommended low-VOC adhesive compatible with flooring.
2. Acrylic-based, moisture-resistant, and non-staining.

C. Rubber Base:
1. Type: 4-inch coved rubber base, color to match flooring.
2. ASTM F1861, Type TP, Group 1, Style B.

D. Accessories:
1. Transitions, reducers, stair nosings, and edge strips as required for neat termination.
2. Provide products from same manufacturer as flooring.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that substrates are smooth, dry, clean, and flat within 1/8 inch in 10 feet.
B. Test concrete substrates for moisture vapor emission and pH in accordance with ASTM F710.
C. Do not proceed until unsatisfactory conditions are corrected.

3.2 PREPARATION

A. Mechanically clean and prepare substrate per ASTM F710.
B. Fill cracks, joints, and depressions with compatible patching compound.
C. Prime substrate if required by manufacturer.

3.3 INSTALLATION

A. Install flooring in accordance with manufacturer's instructions and approved mock-up.
B. Layout: Install flooring symmetrically with minimum 1/2-tile at walls.
C. Apply adhesive uniformly and allow open time per manufacturer.
D. Roll flooring with 100-lb roller in both directions.
E. Weld seams (if applicable) after adhesive set and temperature stabilized.
F. Install resilient base and accessories securely and neatly.

3.4 CLEANING AND PROTECTION

A. Remove excess adhesive and debris immediately.
B. Do not wash floor for 5 days after installation.
C. Protect installed flooring with kraft paper and plywood during remainder of construction.

3.5 FIELD QUALITY CONTROL

A. Inspect completed installation for uniform appearance, tight joints, and full adhesion.
B. Replace defective flooring as directed.

END OF SECTION 09 65 13

SECTION 075419 – POLYVINYL-CHLORIDE (PVC) ROOFING PATCHING

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Removal of abandoned rooftop penetrations, including vents, exhaust fans, curbs, and associated flashings.
2. Preparation of existing PVC roof membrane for patching.
3. Installation of new PVC membrane patches and flashings to maintain continuity of roofing system.

B. Related Requirements:

1. Division 01 – General Requirements.
2. Section 0762 00 – Sheet Metal Flashing and Trim.
3. Section 07 92 00 – Joint Sealants.

1.2 REFERENCES

A. ASTM D4434 – Standard Specification for Poly(Vinyl Chloride) Sheet Roofing.
B. ASTM D751 – Standard Test Methods for Coated Fabrics.
C. ASTM D1204 – Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting.
D. NRCA – Roofing and Waterproofing Manual.
E. FM Global – RoofNav Assembly Approvals.
F. UL 790 – Standard Test Methods for Fire Tests of Roof Coverings.

1.3 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Conference:

1. Convene at project site before patching begins.
2. Attendees: Contractor, roofing installer, manufacturer’s technical representative, and Owner’s representative.
3. Agenda: Review preparation, installation, warranty continuity, and protection of roofing during construction.

1.4 SUBMITTALS

A. Product Data: Manufacturer’s technical data sheets for membranes, adhesives, primers, sealants, and accessories.
B. Shop Drawings: Layouts indicating patching locations, sizes, and details for removal of penetrations and application of membrane patches.
C. Manufacturer’s Certifications: Statement of compatibility of patching materials with existing PVC system.

D. Warranty: Copies of existing roof warranty, confirmation from manufacturer that proposed patching will not void coverage.

1.5 QUALITY ASSURANCE

A. Installer Qualifications:

1. Approved applicator of roofing manufacturer.
2. Minimum 5 years of experience in PVC roofing.
   B. Manufacturer's Field Representative: Provide inspection and approval of completed patches as required for warranty continuation.
   C. Mock-Up: Install one sample patch of minimum 2 ft by 2 ft, demonstrating seam welding and surface preparation.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's original, unopened packaging with labels intact.
B. Store rolls on end, under cover, protected from weather and direct sunlight.
C. Store adhesives, primers, and sealants between 40°F and 80°F.
D. Remove and replace any materials damaged during handling or storage.

1.7 WARRANTY

A. Existing Warranty: Maintain current roofing warranty; provide patching in accordance with manufacturer's requirements.
B. Contractor Warranty: Two-year warranty covering watertight integrity of patch areas.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Products:

1. Carlisle SynTec – Sure-Flex™ PVC Roofing.
2. Johns Manville – PVC Roofing Membrane.
3. Sika Sarnafil – Sarnafil® PVC Membrane.
4. Or approved equal, compatible with existing roof system.

2.2 MEMBRANE MATERIALS

A. PVC Membrane for Patching:

1. Type: Polyester-reinforced thermoplastic PVC membrane.
2. Thickness: Equal to or greater than existing roof membrane, minimum 60 mils.
3. Color: Match existing roofing.
4. Seam Properties: Heat-weldable, compatible with existing membrane.

2.3 ACCESSORIES

A. Welding Equipment: Hot-air welders, hand-held or automatic, approved by membrane manufacturer.
B. Sealants: Manufacturer’s approved PVC-compatible lap sealant.
C. Adhesives and Primers: Manufacturer’s approved products for bonding membrane to existing surfaces.
D. Fasteners and Plates: Corrosion-resistant, manufacturer-approved, compatible with substrate.
E. Cleaning Agents: As recommended by membrane manufacturer for existing surface preparation.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify existing roof membrane is clean, dry, and suitable for patching.
B. Notify Architect/Owner of wet insulation, deteriorated substrates, or membrane damage beyond patch scope. Do not proceed until corrected.

3.2 PREPARATION

A. Remove abandoned penetrations, curbs, and flashings without damaging adjacent roofing.
B. Cut membrane flush with roof plane.
C. Clean existing membrane where patches will be applied:

1. Remove dirt, oils, coatings, and debris.
2. Use manufacturer-approved cleaner.
   D. Ensure membrane surface is dry and smooth before welding patches.

3.3 INSTALLATION

A. Cut PVC membrane patches with rounded corners, minimum 6-inch overlap beyond removed penetration.
B. Position patches flat, without wrinkles or fishmouths.
C. Weld seams using hot-air equipment at manufacturer-recommended temperature and speed.
D. Probe seams after cooling to verify weld integrity. Re-weld defects.
E. Apply lap sealant to all exposed seam edges as recommended by manufacturer.
F. Where patches exceed 12 inches in width, provide additional mechanical securement as required by manufacturer.

3.4 FIELD QUALITY CONTROL

A. Inspection:

1. Visual inspection of all seams.

2. Probe all welds with manufacturer-approved seam probe.
   B. Correct deficiencies immediately at no cost to Owner.

3.5 CLEANING AND PROTECTION

A. Remove scrap material and debris from roof daily.
B. Protect completed roofing patches from construction traffic and equipment.
C. Final Cleaning: Ensure roof is free of loose debris, fasteners, and foreign material.

3.6 FINAL ACCEPTANCE

A. Provide written confirmation from roofing manufacturer that patched areas are acceptable for continuation of warranty.
B. Submit final inspection report from manufacturer’s field representative.

1 GENERAL NOTES

I. CODES AND SPECIFICATIONS

A. GENERAL BUILDING CODE - IBC 2021

B. CONCRETE CODES - ACI 318-19

C. STRUCTURAL STEEL CODES- ANSI/AISC 360-16

D. WIND AND SEISMIC CODES-ASCE 7-16

E. WOOD CODE - 2018 NDS AND 2021 SDPK/S

F. CONFLICTS IN STRUCTURAL REQUIREMENTS
Where conflict exists between the various publications as specified herein, the strictest requirements of the various publications shall govern unless noted otherwise. Where conflict exists among the various parts of the Structural Contract Documents, Structural Drawings, General Notes, Specifications) the strictest requirements shall govern.

II. TYPICAL DETAILS

Details labeled "Typical Details" on the drawings shall apply to all situations occurring on the project that are the same or similar to those specifically detailed. Such details shall apply whether or not they are keyed in at each location. Questions regarding applicability of Typical Details shall be determined by the Engineer.

III. DESIGN CRITERIA

A. BUILDING MOVEMENT AND DEFLECTIONS
1. Roof members. Span over 240 for total loads.
2. Floor members. span/360 for live loads.
3. Member supporting plaster or masonry. Span over 600 and less than 5/8" for total loads.
4. Drift - Mean roof height over 400 for 10 year wind loads.

IV. FOUNDATION - GENERAL

A. GEOTECHNICAL REPORT
Foundation design is based on the geotechnical investigation provided by PSI (02572164-1) DATED November 14, 2023

B. FOUNDATION APPROVAL AND INSPECTION BY AUTHORIZED INSPECTOR
Unless authorized otherwise by the Owner or Architect, the General Contractor shall notify the Geotechnical Engineer or other authorized inspector for review of foundation bearing surface, inspection of foundation installation, and foundation installation methods and shall not place concrete prior to inspector's approval.

C. FOUNDATION REINFORCING STEEL INSPECTION BY STRUCTURAL ENGINEER
1. The Contractor shall notify the Engineer and Testing Laboratory a minimum of 72 hours in advance of any major foundation pour.
2. The Contractor shall not pour any foundation concrete without inspection and approval of all reinforcing steel placement by the Structural Engineer or special inspector.

D. SLAB-ON-GRADE CONSTRUCTION
1. Specification. Unless specified otherwise, slab on grade construction shall follow the recommendations of Guide for Concrete Floor and Slab Construction ACI 302.1R.
2. Subgrade Preparation.
a. Areas requiring slab reconstruction shall be compacted to 95% STD proctor density (min) at a moisture content matching the in situ soils. Any fill required shall be select, see item 3 below.
b. A 15 mil vapor barrier shall be placed directly below the slab.
3. Select Fill.
a. Material designated in these General Notes, drawings, or specifications as select backfill shall consist of sandy clay or clayey sand with a plasticity index between 5 and 18, a liquid limit of less than 35. All fill shall be free of organic materials, debris, and rock fragments greater than 3" in diameter. Fill shall have a maximum of 60% material passing sieve No. 200.
b. The General Contractor shall submit to the Architect, Structural Engineer, and Geotechnical Engineer, the source of all fill material with samples to be tested by the Owner's testing laboratory for approval prior to placement on the job. Verification will be required by the testing laboratory each time the source or character of the material changes.
c. Fill material shall be placed in maximum 8" loose lifts and compacted to at least 95% of the Standard Proctor Density (ASTM D698) at a moisture content -2% to + 3% of optimum moisture content
4. Reinforcing Steel.
a. See the drawings for typical slab reinforcement requirements.
b. All welded wire fabric shall be furnished in flat sheets. Lap ends and sides one cross wire spacing plus 4" at splices.
c. Lap continuous slab on grade reinforcing steel 30 bar diameters at splices but not less than 12".
d. Steel for slabs on grade shall be chaired with slab bolsters designed for support on soil to provide specified cover to reinforcing steel.
5. Construction and Control Joints. See details on the drawings for requirements of construction joints, control joints, and pour size and sequence for slab-on-grade construction.

V. SPREAD FOOTING FOUNDATION

A. SPECIFICATION
Spread footing construction shall conform to the requirements of the Standard Building Code Requirements for structural concrete (ACI 318-11) published by the American Concrete Institute, except as modified hereafter by these General Notes, the structural drawings, or the specifications

B. DESIGN SOIL PRESSURES
All foundation grade beams and footings shall bear on an approved building pad. Design soil pressures are 1200 psf for isolated footings and 1000 psf for continuous footings.

C. CONCRETE COVER
1. The minimum protection for reinforcement shall be 3" clear from face of soil.

D. TOP ELEVATION
The top elevations of all footings are shown on the drawings.

E. BEARING ELEVATION
The bottom of all footings shall bear a minimum of 2 feet below the finished slab or adjacent exterior grade, whichever is deepter. Continuous footings shall bear a minimum of 24" below finished floor elevation.

F. TEMPLATES FOR ANCHOR BOLTS
Vertical reinforcing steel and anchor bolts for column base plates shall be accurately set in footing and pedestal tops using 3/4" plywood or 1/8" steel templates.

VI. FOUNDATION CONSTRUCTION

A. HELICAL PILES
1. Pile design in accordance with information provided in the geotechnical report.
2. Helical piles shall be designed and manufactured in accordance with the current international building code (IBC) adopted by the local jurisdiction.
3. Helical piles shall be designed by Engineer registered in Louisiana to meet specified loads and acceptance criteria as shown on the structural drawings. The calculations and drawings required from the contractor or engineer shall bear the seal of a professional engineer licensed to practice in the state of Louisiana, and be submitted to the architect for review and acceptance.
4. Dimensions of the central shaft and the number, size, spacing, and thickness of the helical bearing plates shall be designed and fabricated to support the specified design loads.
5. Only round central pile shafts will be allowed.

VI. FOUNDATION CONSTRUCTION CONT

6. The overall length and minimum and maximum installation torques shall be specified by the helical pile manufacturer, the minimum installation torque shall be high enough to achieve the required bearing capacity, including a safety factor of 2. The maximum installation torque shall not exceed the allowable torsion capacity of the pile shafts.
7. Helical piles shall be designed and manufactured to resist all stresses induced by installation.
8. The helical pile attachment (pile cap) shall distribute the design load to the concrete foundation such that the concrete bearing stress does not exceed those in the ACI building code and the stresses in the steel plates/welds does not exceed AISC allowable stresses for steel members.
9. Each helical pile and associated coating and/or auxiliary corrosion protection system shall be designed to meet the forgoing requirements for a life of 50 years.
10. See plans for pile locations. Piles not specifically located on the plan shall be located on centerline of column above. Where no column occurs, locate on centerline of wall or beam. Locations of piles shall not be changed without written approval from the structural engineer.
11. Existing conditions and underground obstructions shall be confirmed by the pile installer. Probing or scanning may be necessary to locate underground obstructions. Report any unforeseen obstructions to the structural engineer.
12. Piles shall be installed to a depth sufficient to maintain the upper helix a minimum of 6 blade diameters below the bottom of slab. The minimum overall tip depth shall not be less than 15 feet below bottom of slab.
13. Pile capacity shall be verified using industry standard torque correlation coefficients, based on the shaft diameter. Prior to pile installation, contractor shall install two probe piles in the general vicinity of the proposed production piles. The torques shall be monitored and recorded for each 12" increment. The probe piles shall be installed to a depth sufficient to ensure there are no weak soils within 10' of the tip elevation of the production piles.
14. Note, this is a performance based specification. Helical pile contractor shall establish blade configuration and pile depth based upon available information. Change orders associated with variations in depth or pile configuration after bid date will not be accepted.

VII CONCRETE

A. CLASSES OF CONCRETE
All concrete shall conform to the requirements as specified in the table below unless noted otherwise on the drawings:

	USAGE	28-DAY	SLUMP	MAX AGG	W/C	NOTES
1.	SLAB	3500	4"	1.0"	.5	NO AIR
2.	GRADE BEAMS AND FOOTINGS	3500	3"	1.5"	.52	

All concrete shall be proportioned for a maximum allowable unit shrinkage of 0.03% measured at 28 days after curing in lime water as determined by ASTM C 157 (using air storage).

B. CONCRETE MIX DESIGNS
1. Engineer Approval. Concrete mix designs must be submitted a minimum of 15 days prior to the start of the work for Engineer and Owner's testing laboratory approval prior to placement of concrete in the plant or field. Any adjustments in approved mix designs including changes in admixtures must be submitted in writing to the Engineer and Owner's testing laboratory for approval prior to use in the field.
2. Pumped Concrete. Concrete designed to be pumped shall be so noted on the mix designs and shall have mix proportions compatible with the pumping process.
3. Calcium Chloride is strictly prohibited.
4. Air in panels and interior slabs shall not be added.

VIII. CONCRETE FORMWORK
A. RESPONSIBILITY
The design, construction, and safety of all formwork shall be the responsibility of the General Contractor. All forms, shores, backshores, falsework, bracing, and other temporary supports shall be designed to support all loads imposed including the wet weight of concrete, construction equipment, live loads, lateral loads due to wind and wet concrete imbalance. The Contractor shall also be responsible for determining when temporary supports, shores, backshores, and other bracing may be safely removed.

IX. CONCRETE FINISH
Refer to the Specifications for concrete finish requirements including concrete surface tolerances (flatness and levelness).

X. CONCRETE REINFORCEMENT

A. SPECIFICATION
1. Reinforcing Steel. ASTM A 615 Grade 60 unless noted otherwise on the drawings. Welded Reinforcing Steel - ASTM A 706.
2. Deformed Bar Anchors. ASTM A 496 minimum yield strength 70,000 PSI (reinforcing bars may not be substituted for deformed bar anchors without Engineer approval).
3. Welded Wire Fabric. Welded smooth wire fabric, ASTM A 185, yield strength 65,000 PSI. Welded deformed wire fabric for, ASTM A 497, yield strength 70,000 PSI. All welded wire fabric shall be furnished in flat sheets only.
The Contractor shall submit mill certificates of all reinforcing steel products signed by producer and by the Contractor.

B. DETAILING AND BAR SUPPORTS
Detailing of and bar supports for reinforcing steel shall be in accordance with the ACI Standard Details and Detailing of Concrete Reinforcement as reported by ACI Committee 315.

C. MANUAL OF CONCRETE PRACTICE
Unless noted otherwise, methods of estimating, detailing, fabricating, placing and contracting for reinforcing materials shall follow the Manual of Standard Practice as published by the Concrete Reinforcing Steel Institute.

D. SHRINKAGE AND TEMPERATURE REINFORCEMENT
Provide shrinkage and temperature reinforcement at right angles to main top and bottom bars for all slabs unless detailed otherwise on the drawings.
See drawings for sizes and spacings.

E. REINFORCING STEEL COVERAGE
Reinforcing steel coverage shall conform to the requirements specified on the plans and specifications. The reinforcing steel detailer shall adjust reinforcing steel cage sizes at intersecting structural members as required to allow clearance for intersecting reinforcing bar layers maintaining minimum specified cover. Cover not indicated on the plans and specifications shall conform to the requirements of ACI 318-95 Section 7.7 unless specified otherwise on the drawings.

F. Concrete cover shall be as follows, unless shown otherwise:
1. Concrete cast against earth, 3".
2. Concrete cast against cardboard void boxes, 2".
3. Concrete exposed to weather, 11/2"
4. All other concrete, 3/4".

XI. STRUCTURAL STEEL

A. MATERIAL
1. Hot Rolled Structural Members. All hot rolled steel plates, shapes, sheet piling, and bars shall be new steel conforming to ASTM Specification A6.
2. ASTM Specification and Grade
Clearly mark the grade of steel on each piece, with a distinguishing mark visible from floor surfaces, for the purpose of field inspection of proper grade of steel. Unless noted otherwise on the drawings, structural steel shall be as follows:
a. Wide Flange Sections. All Wide Flange Sections, except as specified below, shall conform to ASTM A572 or A992 Grade 50
b. Edge Angles and Bent Plates. All edge angles and bent plates shall conform to ASTM A 36.
c. Tube Sections. All square or rectangular tubing sections shall conform to ASTM A500, Grade C. 50ksi
d. Baseplates. All baseplates shall conform to ASTM A36.
e. Connection Material.
(1) Beam, Column Stiffener Plates and Double Plates. Beam column stiffener plates and double plates shall be the grade of steel to which they are connected (highest grade if more than one grade is used).
(2) All connection material, except as noted otherwise herein or on the drawings, including bearing plates, gusset plates, stiffener plates, filler plates, angles, etc. shall be A36 steel unless a higher or matching grade of steel with the members connected is required by strength or stiffness calculation and provided the resulting sizes are compatible with the connected members.
f. Other Steel.
Any other steel not indicated otherwise shall conform to ASTM A36.

B. CONNECTIONS
1. Typical connection details are indicated on the drawings.
2. Design Procedure.
a. Connection types to be used are indicated on the drawings.
b. The design of all steel connections for the project shall be based on standard AISC LRFD tabulated connections.
3. Design Intent. It is the intention of the plans and specifications that shop connections be welded or bolted and that field connections be bolted, unless detailed otherwise on the drawings.
4. a. All typical beam simple connections shall be standard AISC connections.
b. Seated connections shall not be used unless approved by EOR.
c. Connections shall be designed to resist one half the total uniform load capacity from the table of Uniform Load Constants in the AISC LRFD Manual for given shape, span, and grade of steel.
5. All bolts shall be 3/4"Ø min ASTM A325 tension indicating bolts (twist off or "squirters").

C. FINISH
1. All structural steel not exposed to the elements shall be shop primed.
2. All structural steel exposed to the elements shall be hot dip galvanized.

XII. ANCHOR RODS

A. SPECIFICATION
All anchor rods shall be made from threaded round stock conforming to ASTM F-1554 grade 36 steel unless otherwise detailed on the drawings.

B. NUTS
All nuts with anchor rods shall be hex head conforming to ASTM Specification A563.

C. WASHERS
Where indicated, base plates shall have plate washers, 1/4" thick, extending minimum 1" from edge of base plate holes on each side with AISC standard holes.
Washers shall conform to ASTM A36 steel.

D. TEMPLATES
All anchor bolts set in concrete shall utilize 1/8" thick steel or 3/4" thick plywood templates same size as the base plate. Templates shall be detailed on the shop drawings.

XIII. NON-SHRINK GROUT FOR BASE PLATES AND BEARING PLATES

A. TYPE
Grout for base plates and bearing plates shall be a non-metallic, shrinkage resistant, premixed, non-corrosive, non-staining product containing Portland cement, silica sands, shrinkage compensating agents, and fluidity improving compounds.

B. SPECIFICATIONS
Non-shrink grout shall conform to Corps of Engineers Specification for Non-Shrink Grout, CE-CRD-C621.

C. COMPRESSIVE STRENGTH
Twenty-eight day compressive strength as determined by grout cube tests, shall be: 7,500 PSI.

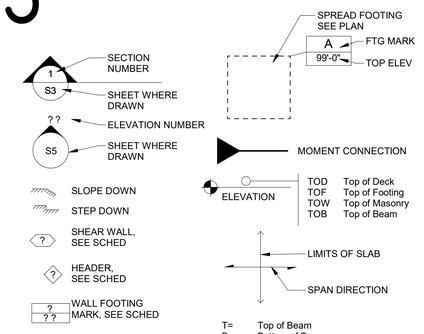
D. PLACEMENT
Grout shall be placed in a fluid flowable state under baseplates that have a form built around them for grout confinement. Grout shall be cured according to manufacturer's recommendations.

E. MINIMUM THICKNESS
Minimum thickness of grout under all baseplates and bearing plates shall be 1 1/2", unless specified otherwise on the drawings.

2 DESIGN LOADS

ROOF LOADS:	PSF:
DEAD:	25.0
FLOOR LIVE LOADS:	100
ROOF LIVE LOADS:	20 REDUCIBLE
SNOW LOADS:	5 GROUND
WIND:	ASCE 7-16 EXP. C, CAT III ENCLOSED (GCpi=±0.18) Vult = 113 MPH Vasd = 88 MPH
SEISMIC:	RISK CAT III IMPORTANCE FACTOR 1.25 Ss = 0.130, S1 = 0.078 SITE CLASS D Sds = 0.138, Sd1 = 0.124 DESIGN CAT B FORCE RESISTING SYSTEM - EXISTING

3 STRUCTURAL LEGEND



STRUCTURAL SHEET LIST

Sheet Number	Sheet Name	Sheet Issue Date
S1	GENERAL NOTES	10/20/25
S1.1	SPECIAL INSPECTIONS	10/20/25
S1.3	DEMOLITION PLAN	10/20/25
S2	FOUNDATION PLAN	10/20/25
S3	STRUCTURAL ROOF IMPROVEMENTS	10/20/25
S4	SECTIONS AND FRAMING DETAILS	10/20/25

BK SMITH
ENGINEERING CO., INC.
1914 CITIZENS BANK DR
BOSSIER CITY, LOUISIANA
318-741-0127

TBA TIM BRANDON ARCHITECTURE
Timothy M. Brandon
Architect APC
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbarudio.com

PROJECT:
Lenwil Elementary School Kitchen Addition
Ouachita Parish School
112 Arrant Road
West Monroe, La 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY:
CHECKED BY: bks

SHEET
S1

Date: Issue Date
Project No.: 02752164-1
File Name:

DESCRIPTION:
GENERAL NOTES

1 SPECIAL INSPECTIONS

SOILS-SECTION 1705.6

SPECIAL INSPECTIONS	REFERENCED STANDARD	MARK IF REQ'D	CONT./PERIODIC "C" OR "P"
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X	P
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACH PROPER MATERIAL		X	P
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	P
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.		X	C
5. PRIOR TP PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X	P

CONCRETE-SECTION 1705.3

SPECIAL INSPECTIONS	REFERENCED STANDARD	MARK IF REQ'D	CONT./PERIODIC "C" OR "P"
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	ACI 318 CH. 20, 25.2, 25.3 26.6.1-26.6.3 IBC 1908.4	X	P
2. REINFORCING BAR WELDING:			
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	AWS D1.4; ACI 318:26.6.4		P
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16";AND	AWS D1.4;ACI 318:26.6.4		P
c. INSPECT ALL OTHER WELDS.	AWS D1.4;ACI 318:26.6.4		C
3. INSPECT ANCHORS CAST IN CONCRETE	ACI 318:17.8.2	X	P
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		X	
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	ACI 318:17.8.4		C
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 11.a	ACI 318:17.8.2	X	P
5. VERIFY USE OF REQUIRED DESIGN MIX	ACI 138: CH. 19,26.4.3,26.4.4 IBC 1904.1, 1904.2, 1908.2, 1908.3	X	P
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AN DETERMINE THE TEMPERATURE OF THE CONCRETE.	IBC 1904.1, 1904.2, 1908.2, 1908.3	X	C
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	ACI 318: 26.5 IBC 1908.6, 1908.7, 1908.8		C
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	ACI 318: 26.5.3 IBC 1908.9	X	P
9. INSPECT PRESTRESSED CONCRETE FOR:			
a. APPLICATION OF PRESTRESSING FORCES; AND	ACI 318:26.10		C
b. GROUTING OF BONDED PRESTRESSING TENDONS	ACI 318:26.10		C
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	ACI 318:26.8		P
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	ACI 318:11.2		P
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER.	ACI 318: 11.1.2(b)	X	P

STEEL-SECTION 1705.2M

SPECIAL INSPECTIONS	REFERENCED STANDARD	MARK IF REQ'D	CONT./PERIODIC "C" OR "P"
1. STRUCTURAL STEEL: SPECIAL INSPECTION AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AICS 360	AISC 360 CHAPTER N	X	PER REF. STANDARD
a. MATERIAL VERIFICATION OF STRUCTURAL STEEL SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 8.1 OF THE CODE OF STANDARD PRACTICE.	SECTION 6.1 OF THE CODE OF STANDARD PRACTICE	X	
b. WELDING, HIGH STRENGTH BOLTING, AND DETAILS IN ACCORDANCE WITH SECTION N5	AISC 360 SECTION N5	X	PER REF. STANDARD
c. STEEL DECK AND HEADED STEEL STUD ANCHOR PLACEMENT AND ATTACHMENT IN ACCORDANCE WITH SECTION N6	AISC 360 SECTION N6	X	PER REF. STANDARD
d. CUT SURFACES IN ACCORDANCE WITH SECTION M2.2	AISC 360 SECTION M2.2		
e. HEATING FOR STRAIGHTENING IN ACCORDANCE WITH SECTION M2.1	AISC 360 SECTION M2.1		
f. TOLERANCES FOR FIELD ERECTION IN ACCORDANCE WITH SECTION 7.13 OF THE CODE OF STANDARD PRACTICE	SECTION 7.13 OF THE CODE OF STANDARD PRACTICE	X	
2. COLD-FORMED STEEL DECK	SDIQA/AQ	X	
3. COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER			

INSPECTION OF FABRICATORS

SPECIAL INSPECTIONS	REFERENCED STANDARD	MARK IF REQ'D	CONT./PERIODIC "C" OR "P"
1.STRUCTURAL STEEL		X	P
2. STEEL JOISTS & GIRDERS			
3. PRE-CAST CONCRETE			
4. PRESTRESSED CONCRETE			
5. WOOD CONSTRUCTION (WOOD TRUSSES, WALLS, FLOORS, ROOF ASSEMBLIES)			

HELICAL PILE FOUNDATIONS-SECTION 1705.9

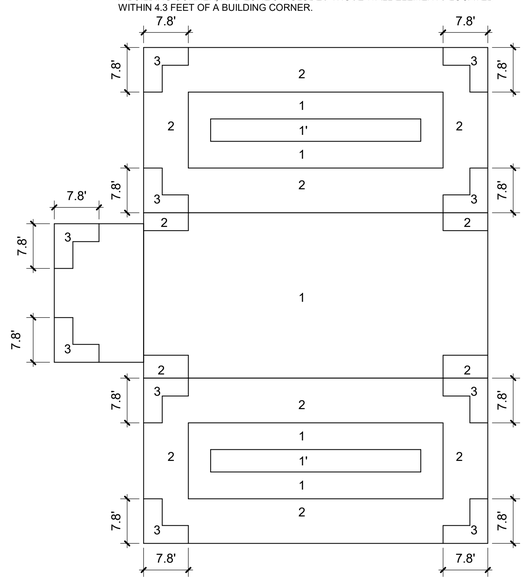
SPECIAL INSPECTION	REFERENCED STANDARD	MARK IF REQ'D	CONT./PERIODIC "C" OR "P"
1. RECORD INSTALLATION EQUIPMENT USED, PILE DIMENSIONS, TIP ELEVATION, FINAL DEPTH, FINAL INSTALLATION TORQUE AND OTHER PERTINENT INSTALLATION INFORMATION AS REQUIRED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.		X	C

2 C&C WIND PRESSURE

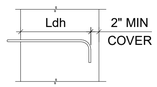
BUILDING 1 ASCE 7-16 ULTIMATEWIND PRESSURES, W FOR COMPONENTS AND CLADDING (psf)

	ZONE	EFFECTIVE WIND AREA (sqft)	POSITIVE PRESSURE	NEGATIVE PRESSURE
ROOF	1	10	16.0	-44.3
	1	100	16.0	-34.6
	1	200	16.0	-31.7
	1	500	16.0	-27.8
	1'	10	16.0	-25.4
	1'	100	16.0	-25.4
	1'	500	16.0	-17.2
	1'	1000	16.0	-16.0
	2	10	16.0	-58.4
	2	100	16.0	-54.9
	2	200	16.0	-42.2
	2	500	16.0	-37.2
	3	10	16.0	-79.6
	3	100	16.0	-54.7
	3	200	16.0	-47.1
	3	500	16.0	-37.2
WALLS	4	10	25.4	-27.6
	4	50	22.8	-24.9
	4	200	20.6	-22.7
	4	500	19.1	-21.2
	5	10	25.4	-33.9
	5	50	22.8	-28.7
	5	200	20.6	-24.2
	5	500	19.1	-21.2

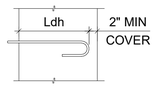
* ZONE 4 INCLUDES THOSE WALL ELEMENTS LOCATED OUTSIDE OF 4.3 FEET OF A BUILDING CORNER, AND ZONE 5 INCLUDES THOSE WALL ELEMENTS LOCATED WITHIN 4.3 FEET OF A BUILDING CORNER.



3 TENSION DEVELOPMENT (EMBEDMENT) LENGTH FOR STANDARD END HOOKS (GRADE 60 BARS-NORMAL WEIGHT CONCRETE-GENERAL USE)

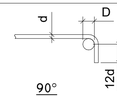


STANDARD 90 HOOK
SIDE COVER >2 1/2"

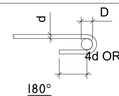


STANDARD 180 HOOK
SIDE COVER >2 1/2"

BAR SIZE	f'c=3000 psi	f'c=4000 psi	f'c=5000 psi	f'c=6000 psi
	Ldh	Ldh	Ldh	Ldh
#3	9"	7"	7"	6"
#4	11"	10"	9"	8"
#5	1'-2"	1'-0"	11"	10"
#6	1'-5"	1'-3"	1'-1"	1'-0"
#7	1'-7"	1'-5"	1'-3"	1'-2"
#8	1'-10"	1'-7"	1'-5"	1'-4"
#9	2'-1"	1'-10"	1'-7"	1'-6"
#10	2'-4"	2'-0"	2'-10"	1'-8"
#11	2'-6"	2'-2"	2'-0"	1'-10"



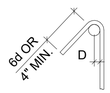
90° HOOK



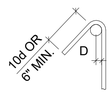
180° HOOK

MAX OFFSET BEND

NOTE: FOR 'D' ETC SEE CRSI HANDBOOK GOVERNING EDITION.



TIE OR STIRRUP



SEISMIC STIRRUP/TIE

DETAIL NOTES:
1. BENDS SHALL BE MADE COLD.
2.#14 AND #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO BENDING.

PRINCIPAL REINFORCING

BAR DIA	MIN "D"
#3	2½"
#4	3"
#5	5⅜"
#6	4½"
#7	5¼"
#8	6"
#9	9"
#10	10⅛"
#11	11 ¼"

BK SMITH
ENGINEERING CO., INC.
1914 CITIZENS BANK DR
BOSSIER CITY, LOUISIANA
318-741-0127

Timothy M. Brandon
Architect APC
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbarchitecture.com
TIM BRANDON ARCHITECTURE

PROJECT:
Lenwil Elementary School Kitchen Addition
Ouachita Parish School
112 Arrant Road
West Monroe, La 71292

DRAWING REVISIONS

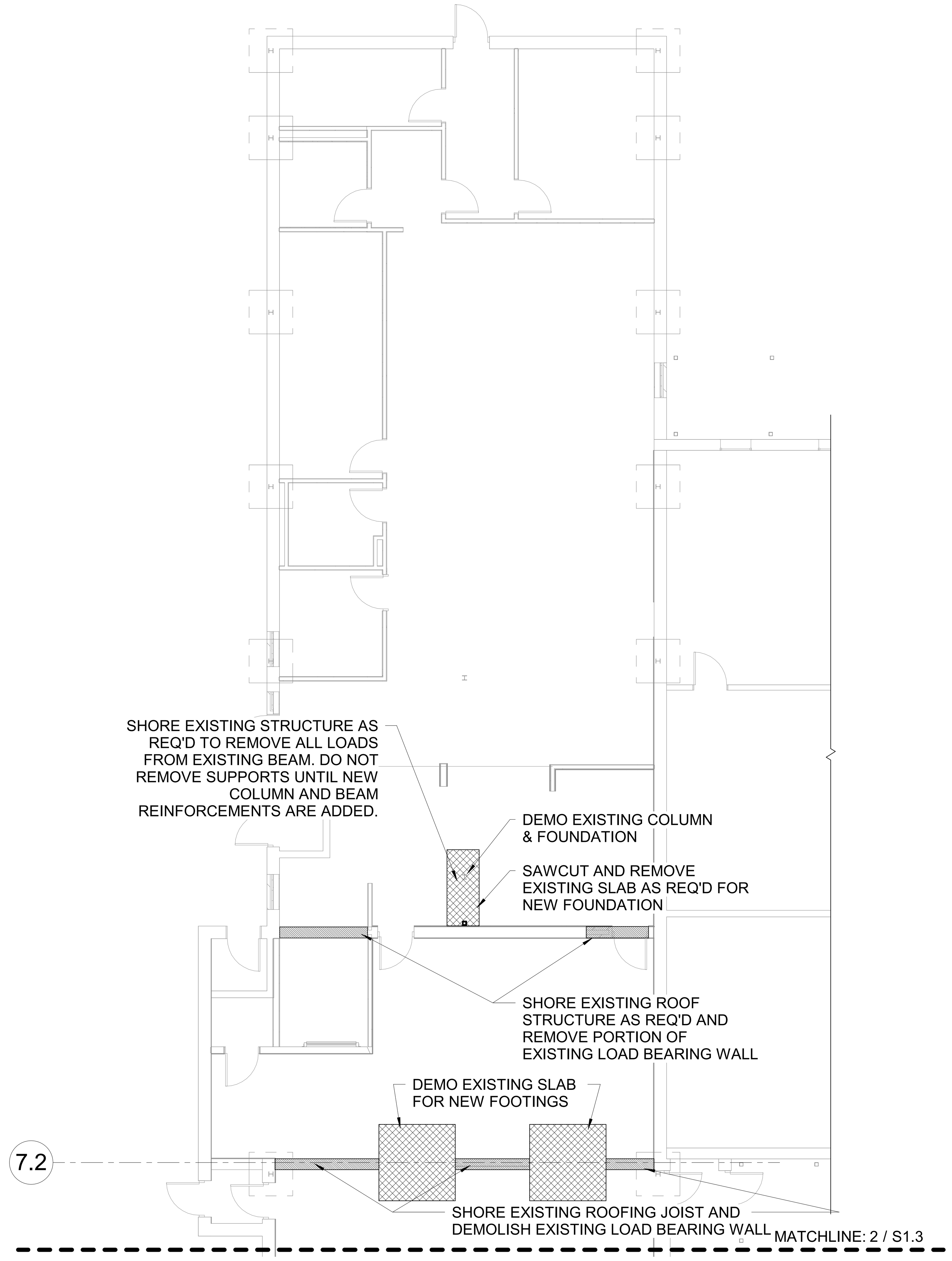
No.	Description	Date

DRAWN BY:
CHECKED BY: bks

SHEET
S1.1

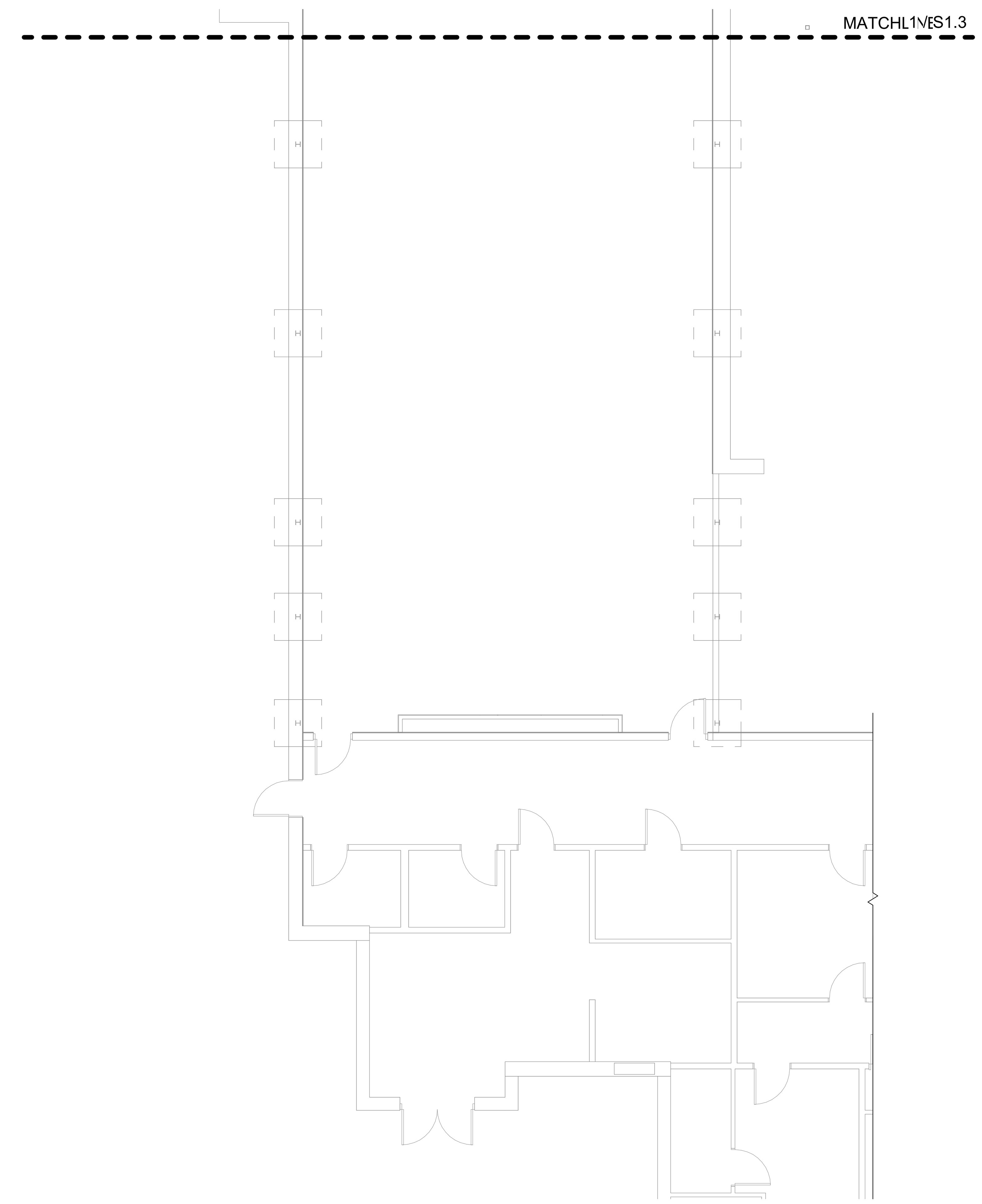
Date: Issue Date
Project No.: 02752164-1
File Name:

DESCRIPTION:
SPECIAL INSPECTIONS



1 DEMOLITION PLAN

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



2 DEMOLITION PLAN CONT.

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

Timothy M. Brandon
Architect APC
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315

TIM BRANDON ARCHITECTURE

PROJECT:
Lenwil Elementary School Kitchen Addition
Ouachita Parish School
112 Arrant Road
West Monroe, La 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY:
CHECKED BY: Approver

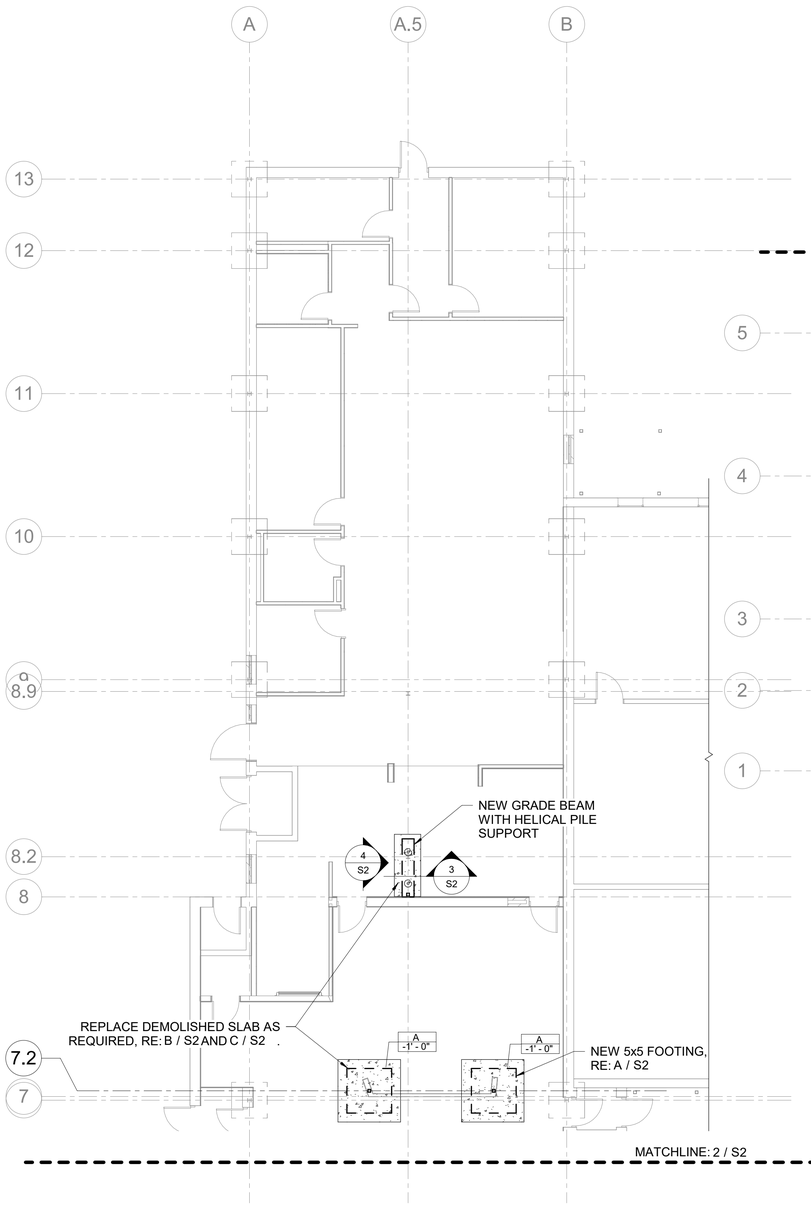
SHEET
S1.3

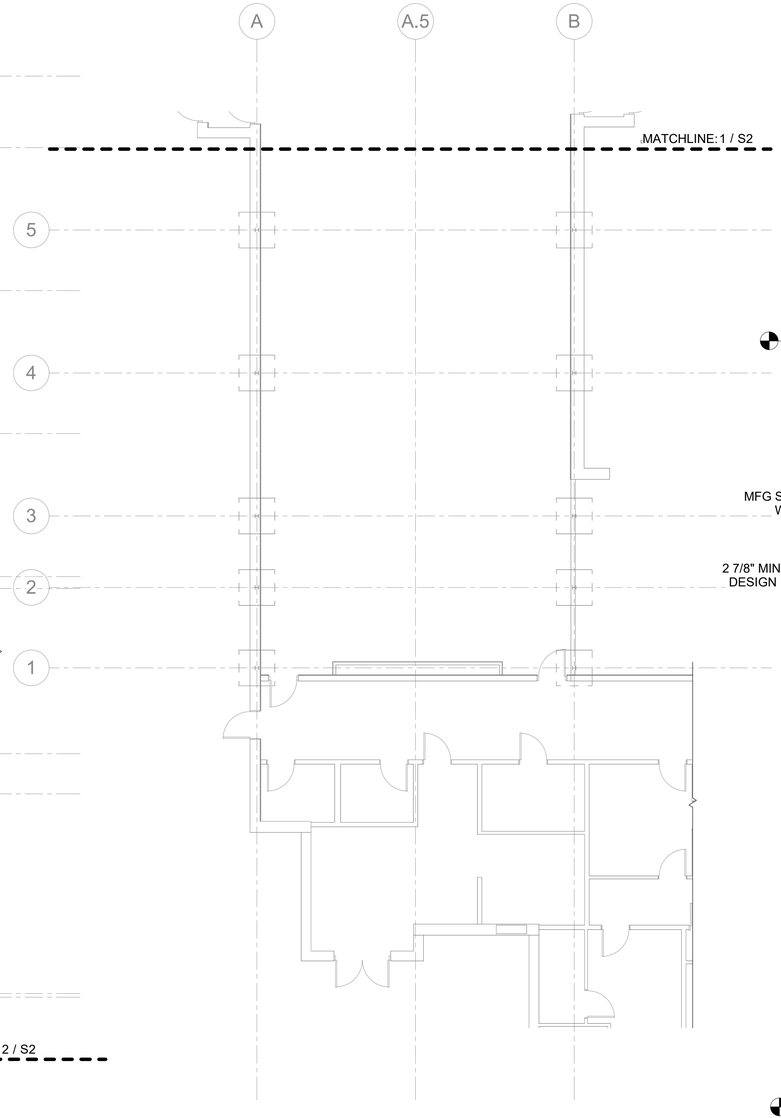
Date: Issue Date
Project No.: 02752164-1
File Name:

DESCRIPTION:
DEMOLITION PLAN

10/20/2025

BK SMITH
ENGINEERING CO., INC.
1914 CITIZENS BANK DR
BOSSIER CITY, LOUISIANA
318-741-0127



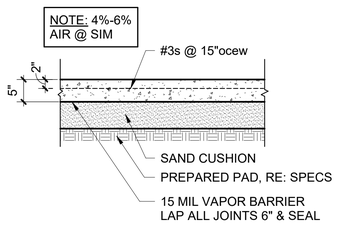


1 FOUNDATION PLAN

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

2 FOUNDATION PLAN CONT

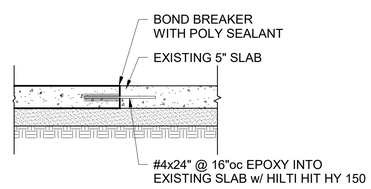
SCALE: 1/8" = 1'-0"



TYPICAL SLAB

DETAIL B

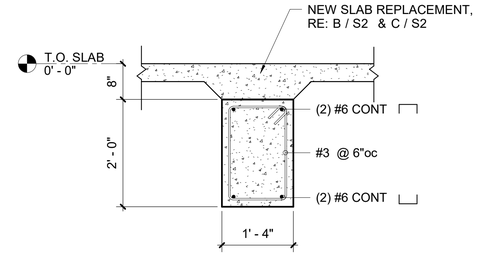
SCALE: 3/4" = 1'-0"



TIE AT EXISTING SLAB

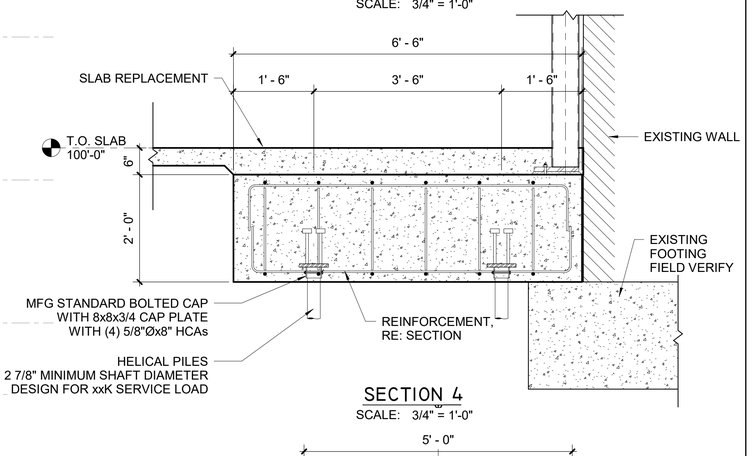
DETAIL C

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



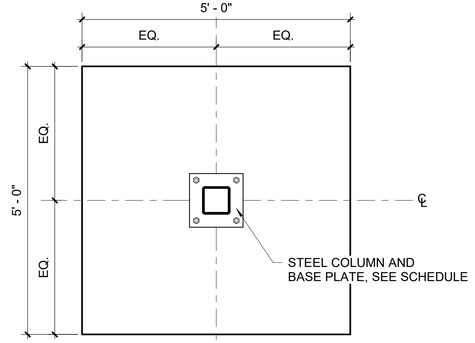
SECTION 3

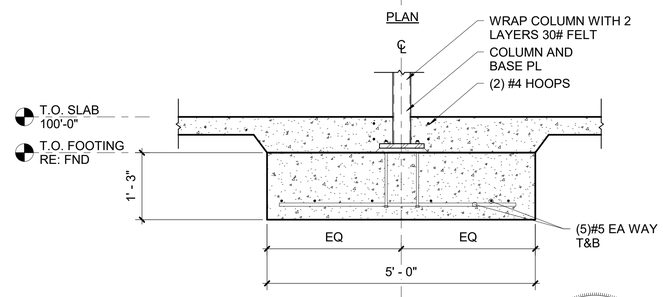
SCALE: 3/4" = 1'-0"



SECTION 4

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





SECTION

FOOTING TYPE A

DETAIL A

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

BK SMITH
ENGINEERING CO., INC.
1914 CITIZENS BANK DR
BOSSIER CITY, LOUISIANA
318-741-0127

Timothy M. Brandon
Architect APC
103 Cypress Street
West Monroe, LA 71291
Tel. 318.398.1315
Fax. 318.998.1315
www.tbrandon.com
TIM BRANDON ARCHITECTURE

PROJECT:
Lenwil Elementary School Kitchen Addition
Ouachita Parish School
112 Arrant Road
West Monroe, La 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY:

CHECKED BY: Approver

SHEET

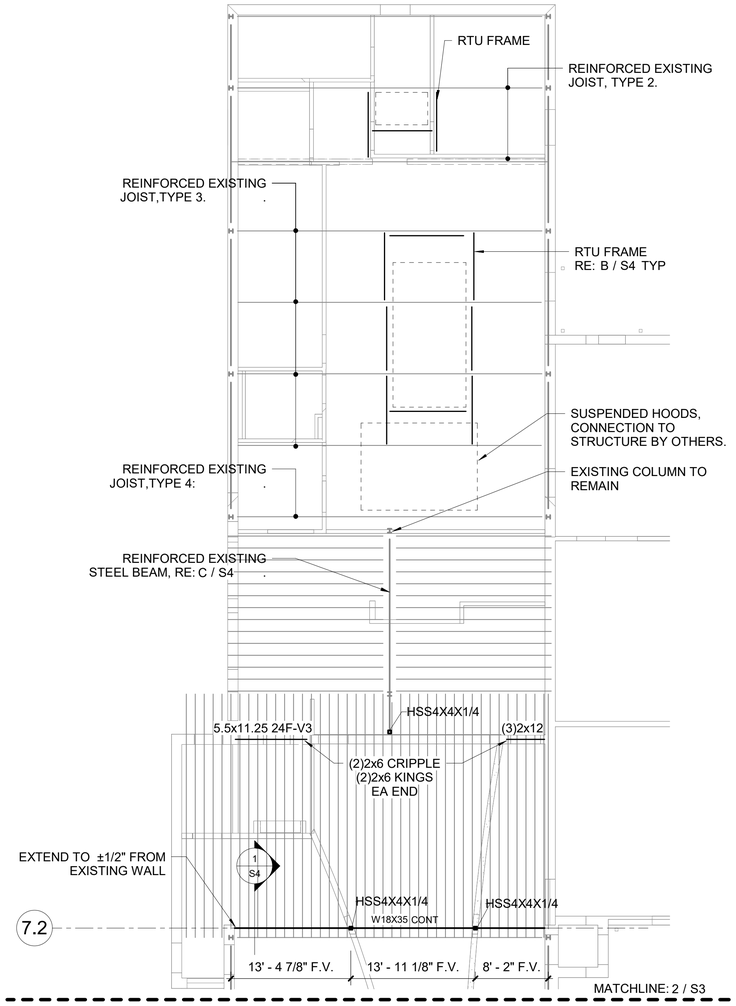
S2

Date: Issue Date

Project No.: 02752164-1

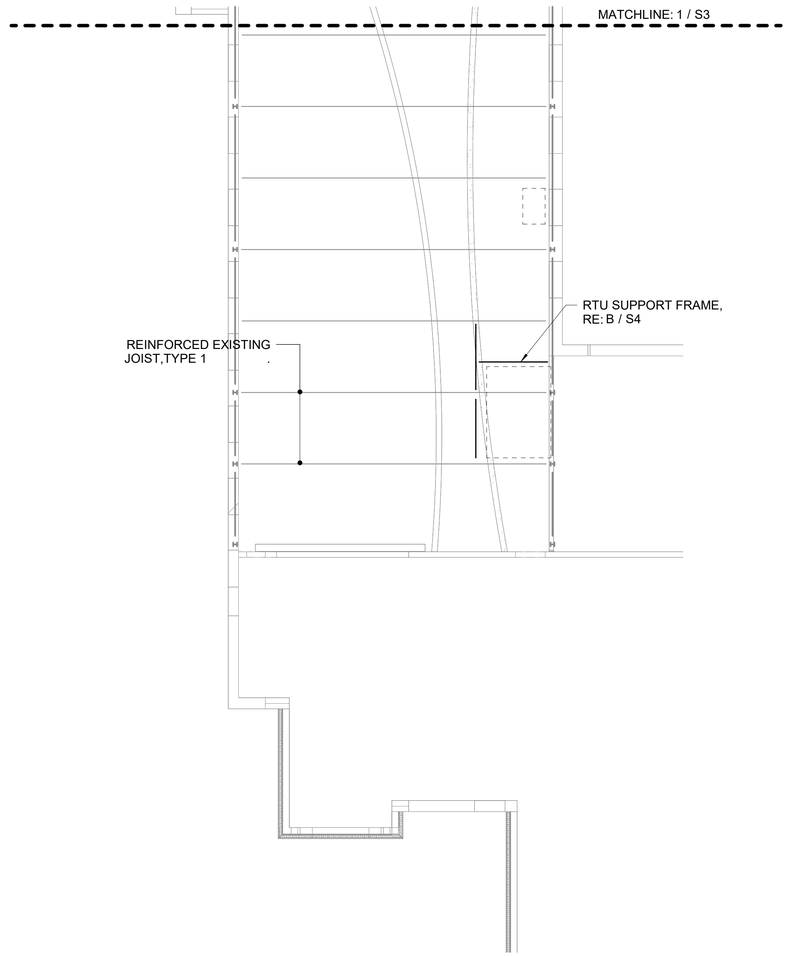
File Name:

DESCRIPTION:
FOUNDATION PLAN



1 FRAMING PLAN

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



2 FRAMING PLAN

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

Timothy M. Brandon
Architect APC
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbastudio.com

TIM BRANDON
ARCHITECTURE

PROJECT:
Lenwil Elementary School Kitchen Addition

Ouachita Parish School
112 Arrant Road
West Monroe, La 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY:

CHECKED BY: bks

SHEET

S3

Date: Issue Date

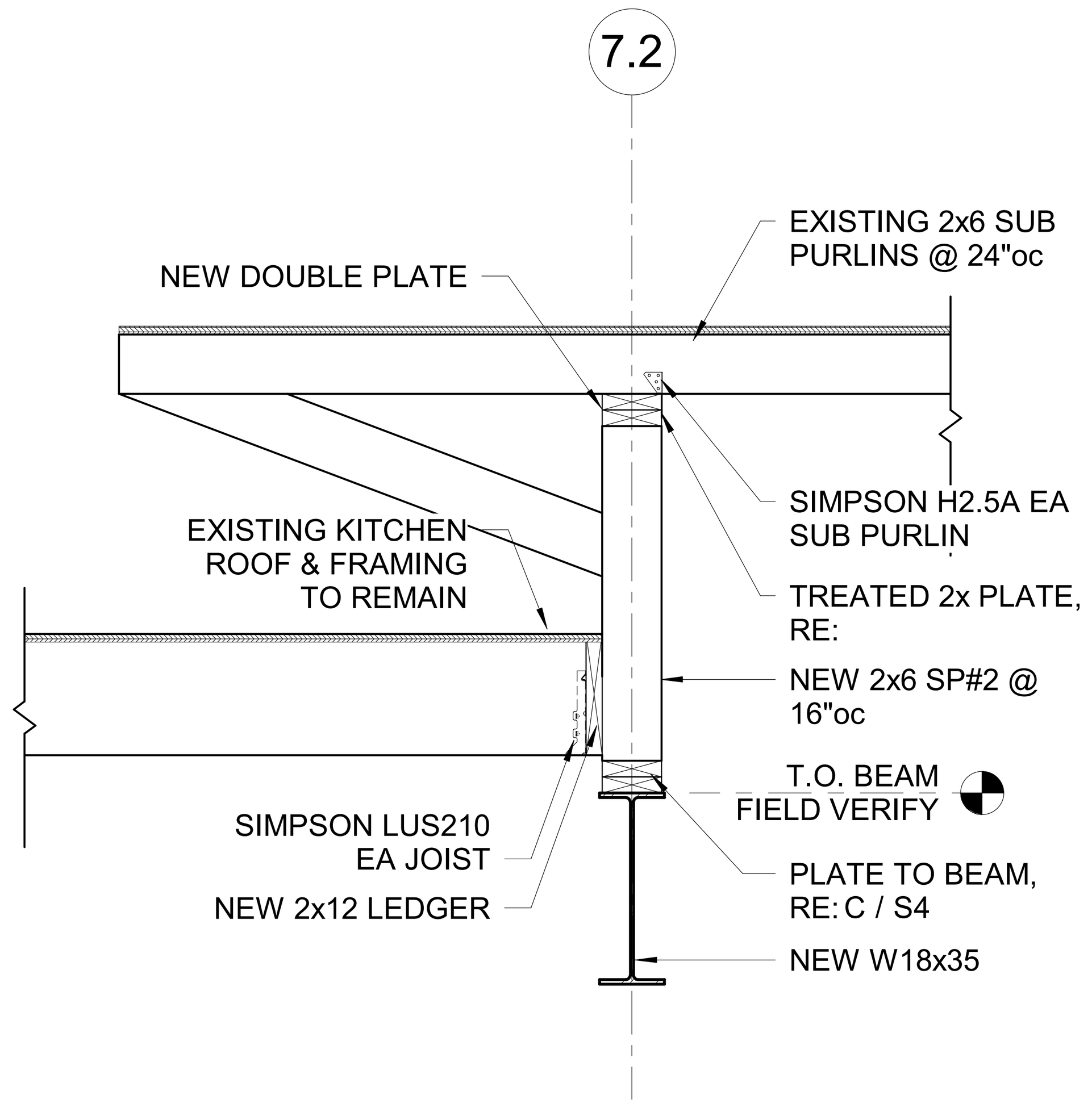
Project No.: 02752164-1

File Name:

DESCRIPTION:
STRUCTURAL ROOF IMPROVEMENTS

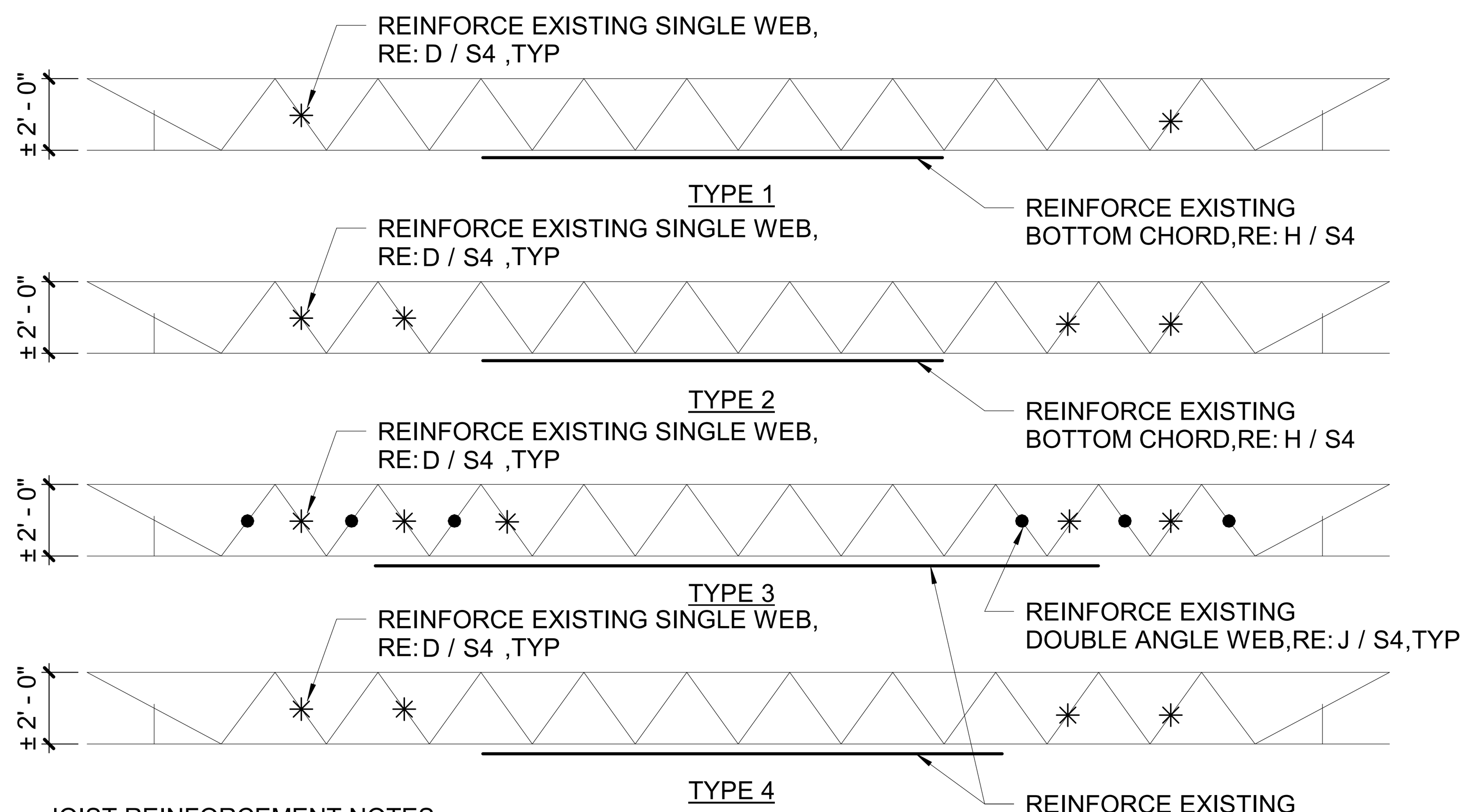
STATE OF LOUISIANA
BRIAN K. SMITH
REG.
PROFESSIONAL
CIVIL ENGINEER
10/20/2025

BK SMITH
ENGINEERING CO., INC.
1914 CITIZENS BANK DR
BOSSIER CITY, LOUISIANA
318-741-0127



SECTION I

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



JOIST REINFORCEMENT NOTES

A. ALL REINFORCEMENT TO BE A572-50 OR A992 STEEL.

B. ALL WELDING TO BE E60XX.

C. SHORE ROOF AT EACH MEMBER PRIOR TO WELDING.

D. ADD ADDITIONAL REINFORCEMENT AT EACH POINT LOAD, NOT SHOWN FOR CLARITY, RE: . F / S4

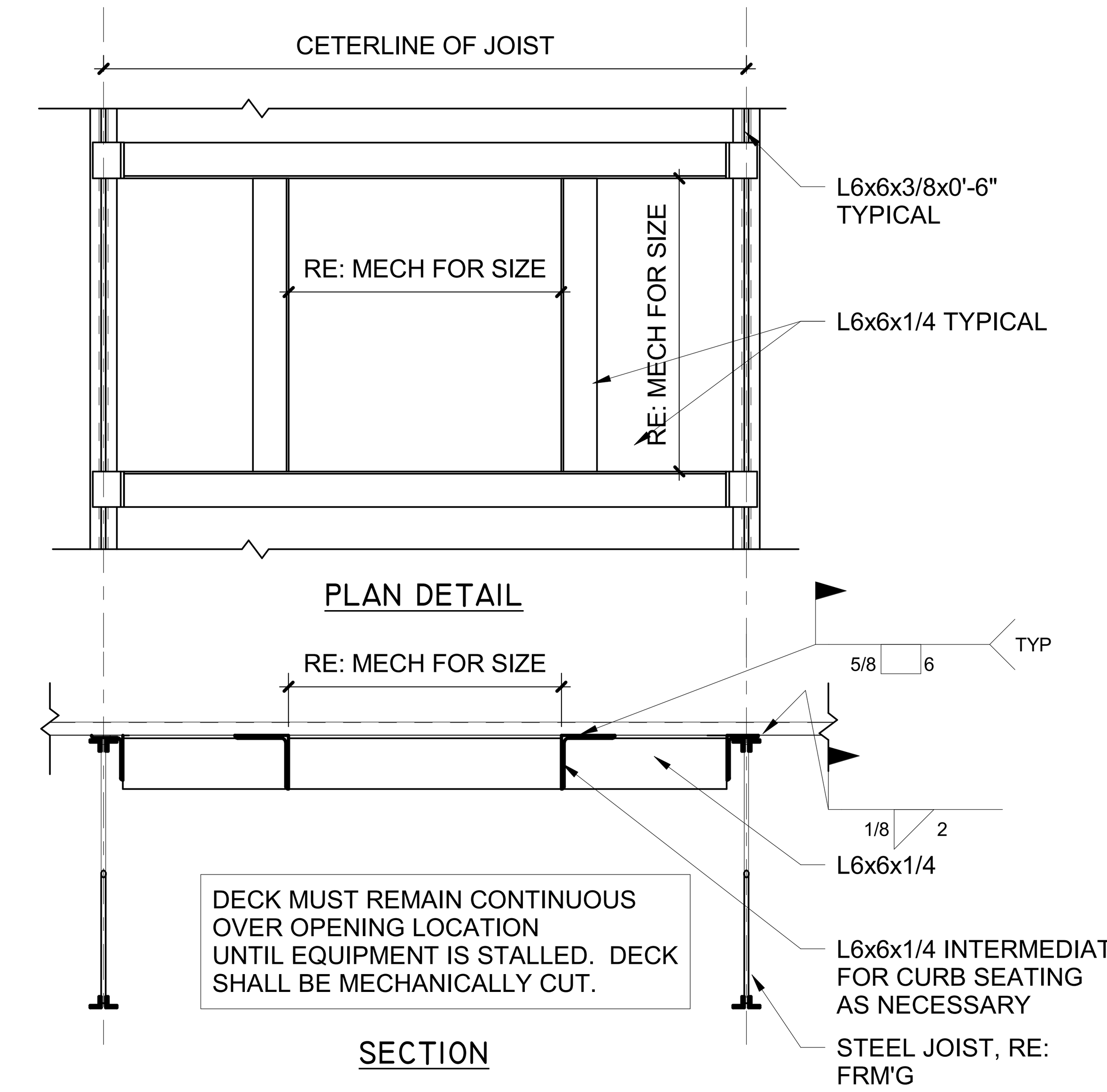
E. SPECIAL INSPECTION OF WELDS REQUIRED.

F. ALL REINFORCEMENT SHALL BE IN PLACE PRIOR TO SETTING NEW ROOF TOP UNITS.

JOIST REINFORCEMENT DIAGRAMS

DETAIL A

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



RTU FRAME

DETAIL B

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

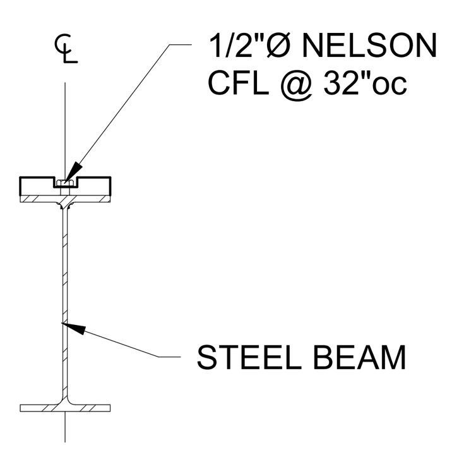
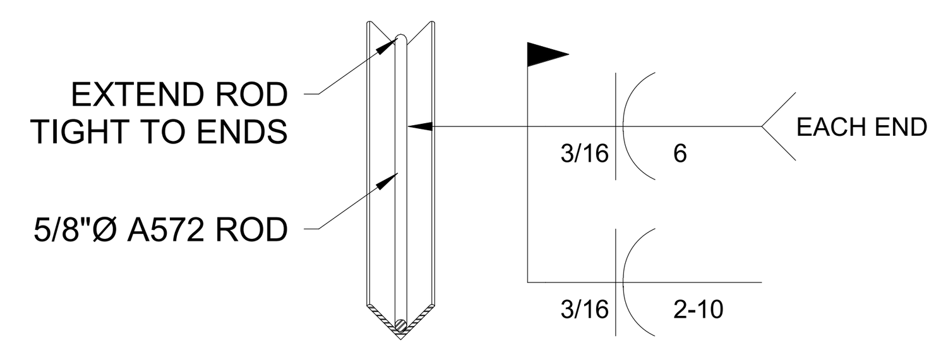


PLATE TO BEAM

DETAIL C

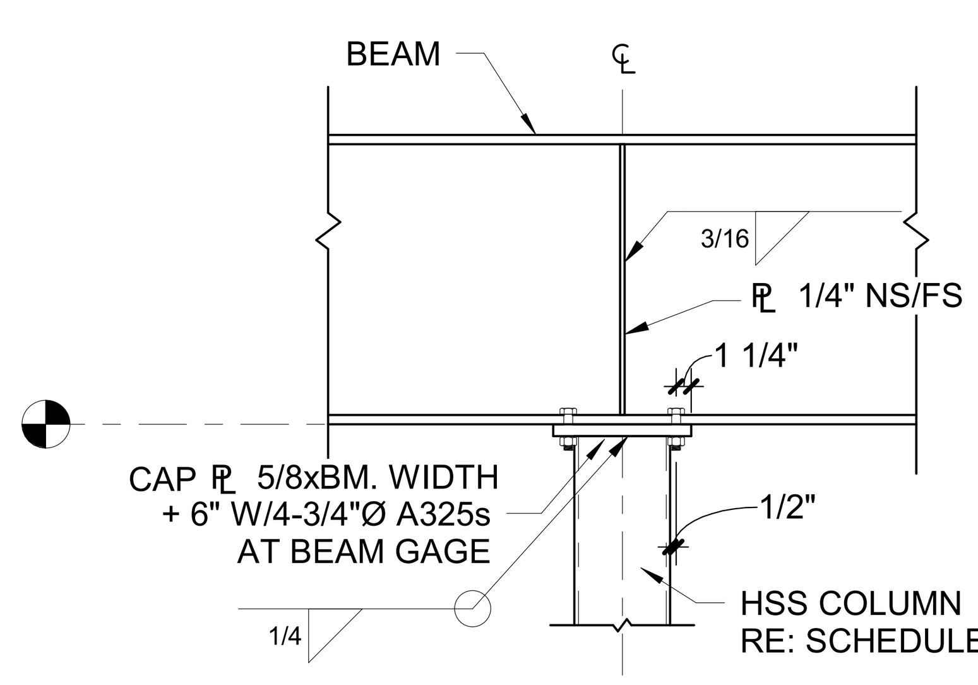
SCALE: 3/4" = 1'-0"



SINGLE ANGLE WEB REINFORCEMENT

DETAIL D

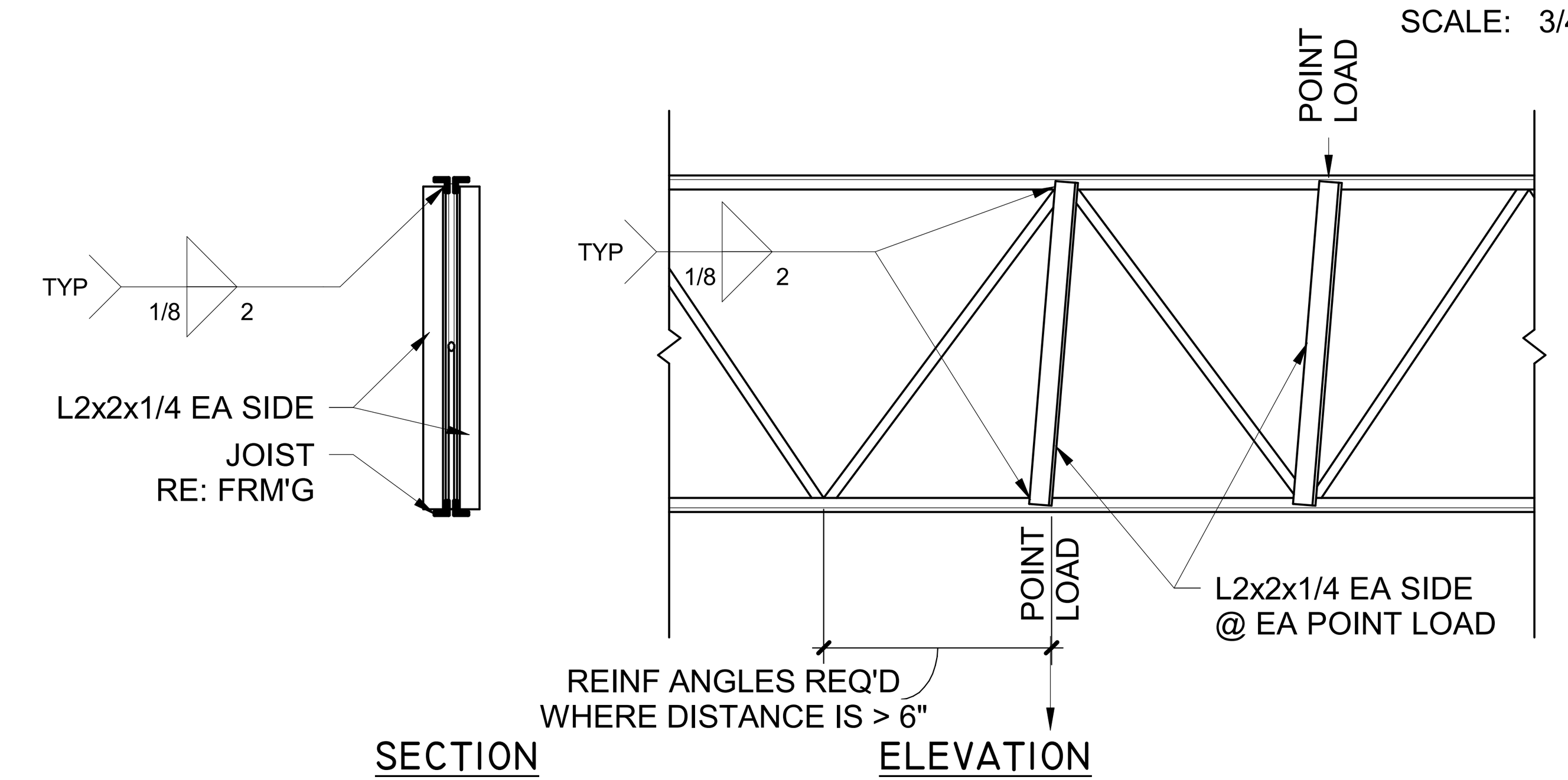
SCALE: 3/4" = 1'-0"



BEAM-COLUMN CONNECTION

DETAIL E

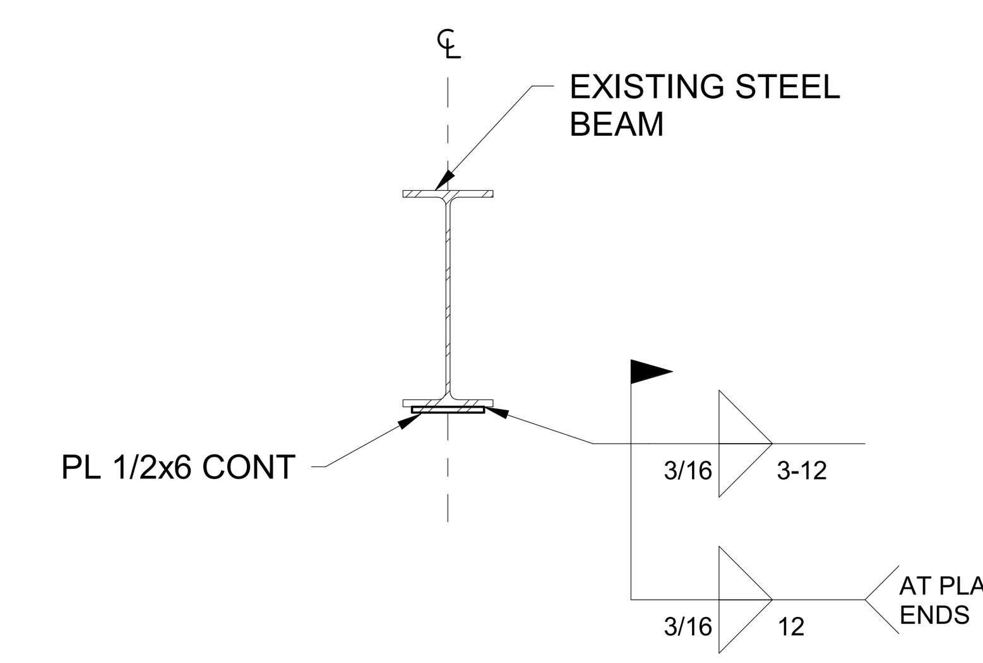
SCALE: 3/4" = 1'-0"



JOIST REINFORCEMENT DETAIL

DETAIL F

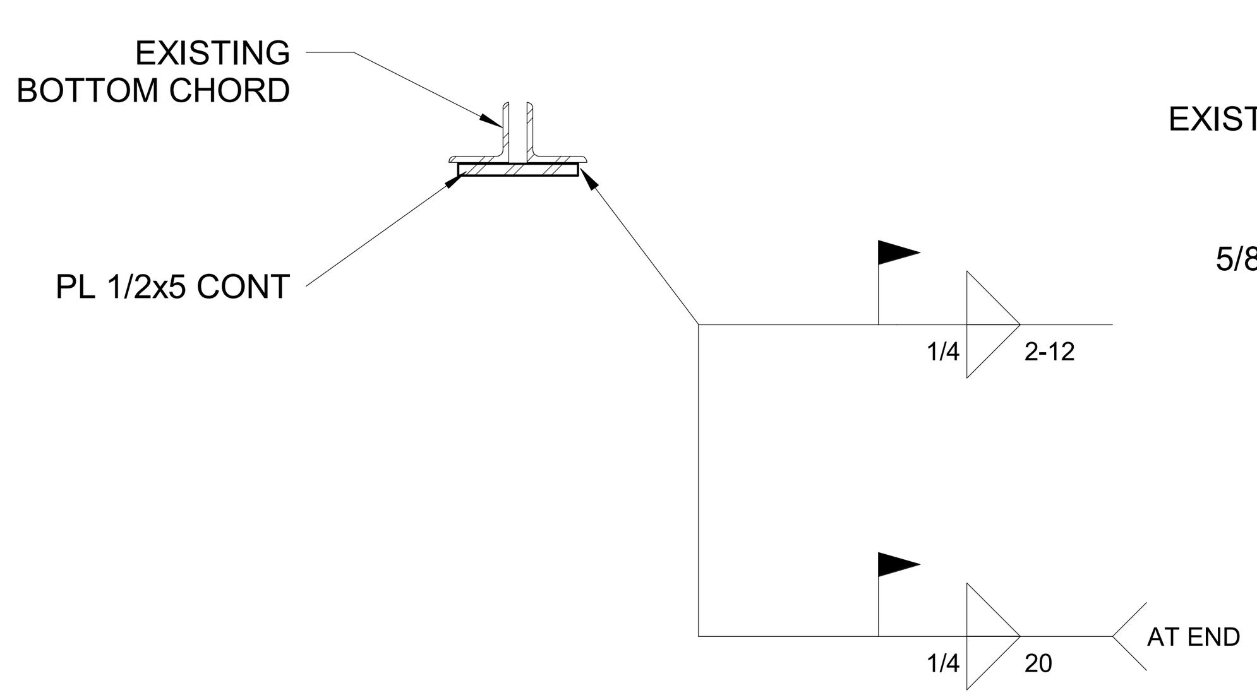
SCALE: 3/4" = 1'-0"



BEAM REINFORCEMENT DETAIL

DETAIL G

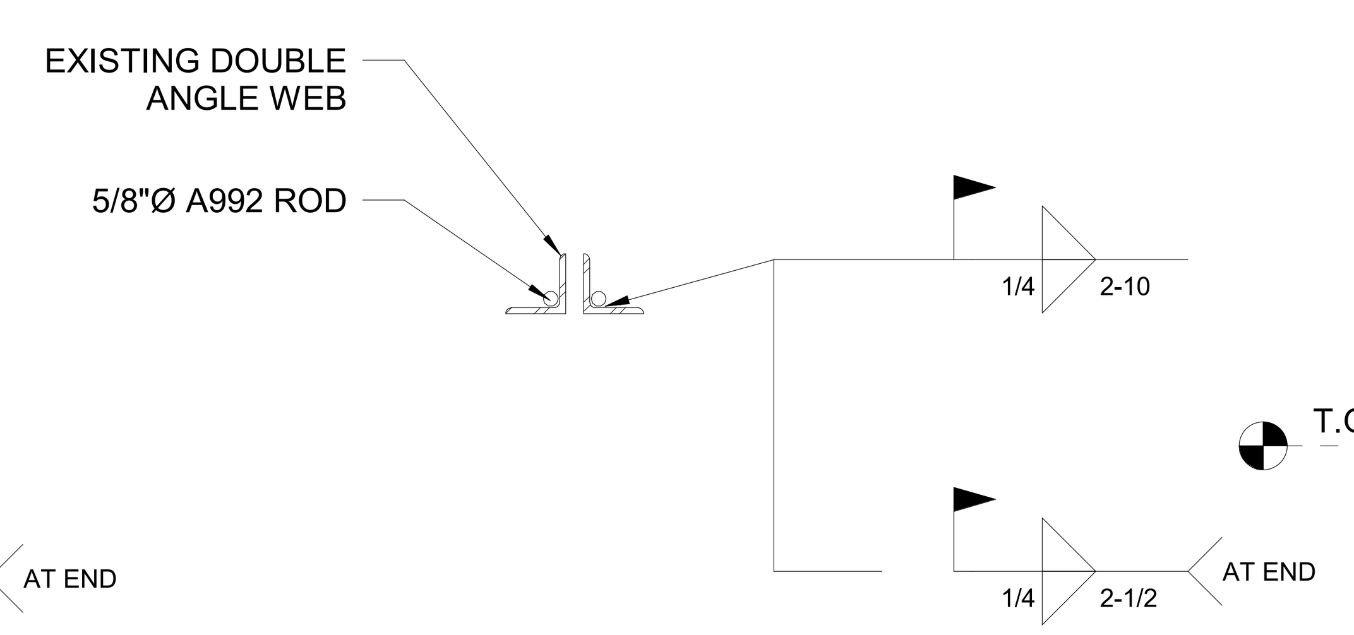
SCALE: 3/4" = 1'-0"



BOTTOM CHORD REINFORCEMENT DETAIL

DETAIL H

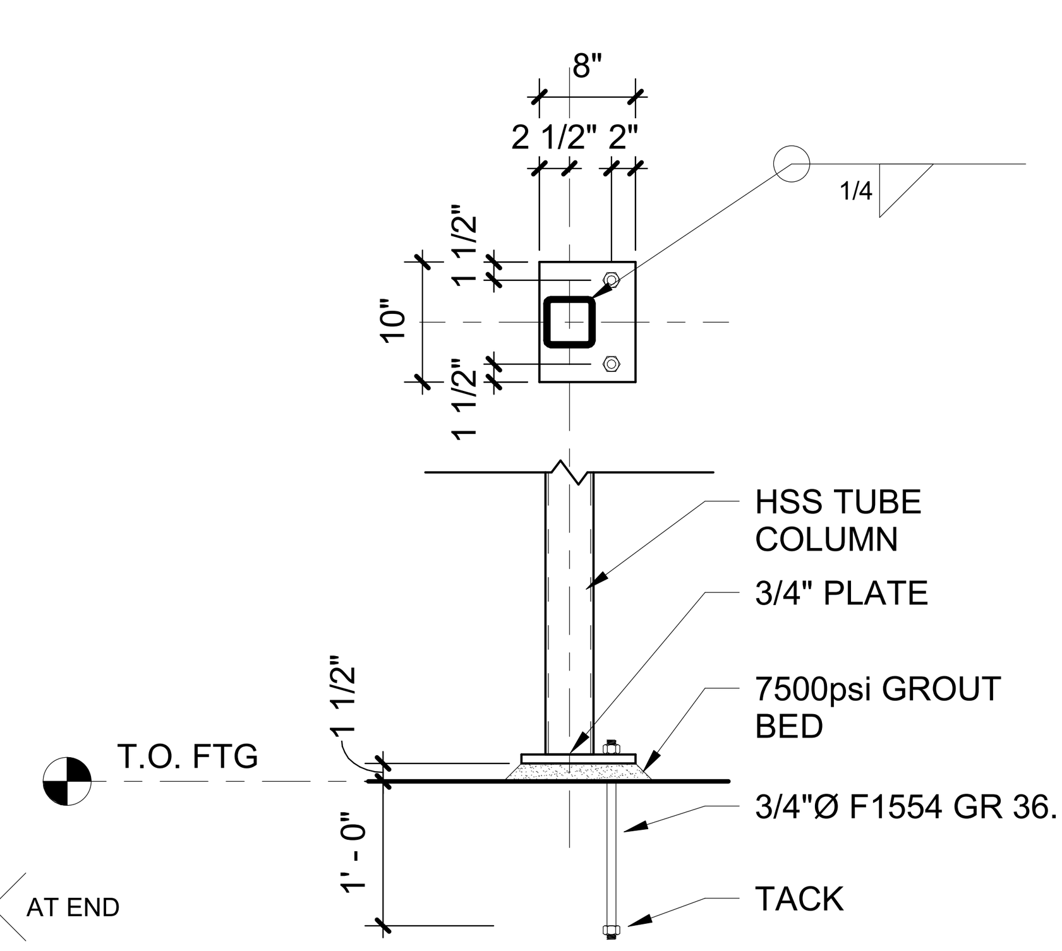
SCALE: 1 1/2" = 1'-0"



DOUBLE ANGLE WEB REINFORCEMENT DETAIL

DETAIL J

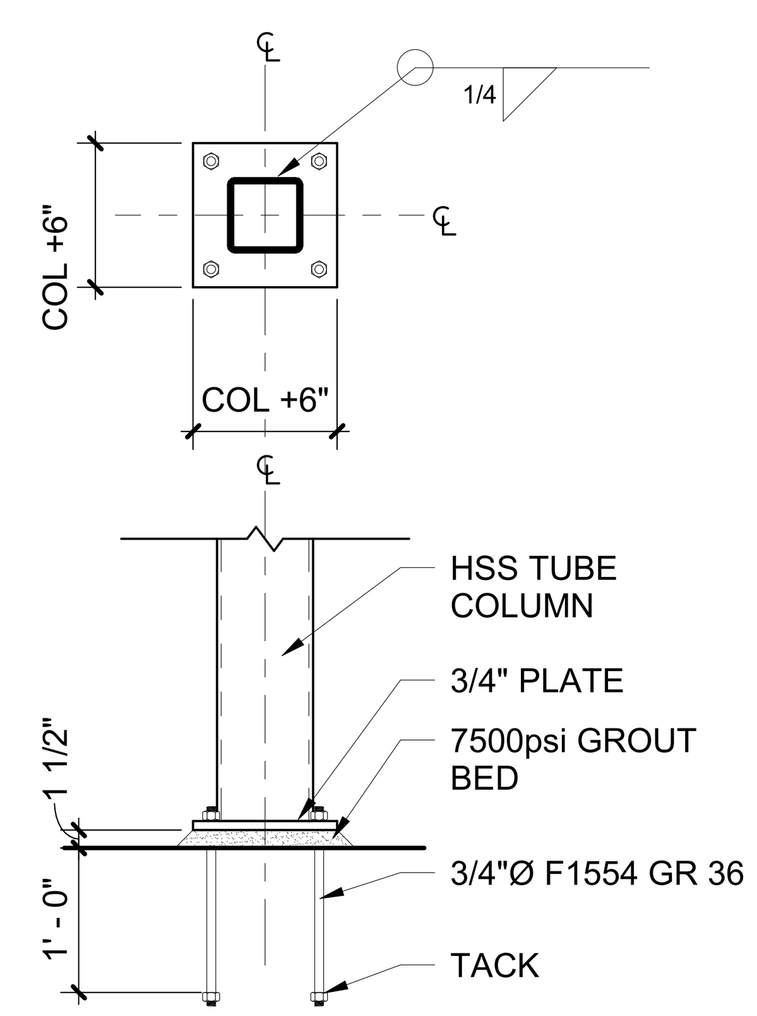
SCALE: 1 1/2" = 1'-0"



BASE PLATE BP01

DETAIL K

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



BASE PLATE BP02

DETAIL L

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

10/20/2025

BK SMITH
ENGINEERING CO., INC.

1914 CITIZENS BANK DR
BOSSIER CITY, LOUISIANA
318-741-0127

Timothy M. Brandon
Architect APC
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbastudio.com

TIM BRANDON ARCHITECTURE

PROJECT:
Lenwil Elementary School Kitchen Addition
Ouachita Parish School
112 Arrant Road
West Monroe, La 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY:

CHECKED BY: bks

SHEET

S4

Date: Issue Date

Project No.: 02752164-1

File Name:

DESCRIPTION:
SECTIONS AND FRAMING DETAILS