

| SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.3 CONCRETE CONSTRUCTION | | | | | | |
|--|--|--------|----------|-----|---|---|
| Item | Sub Item / Scope | Extent | | | Agency Qualifications | Comments |
| | | Cont. | Periodic | N/A | | |
| In-Plant Special Inspections (Precast Concrete) | Fabrication and implementation procedures: In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures. | | X | | As Noted Below | Special inspections on the premises of the fabricator's shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2.5.1. Fabricator is required to submit documentation/verification that they are an Approved Fabricator . |
| 1. Reinforcing steel | a. Mild Reinforcing Steel: Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters. Verify welded wire fabric is supported per construction documents. Reference ACI 318: 20, 25.2, 25.3, 26.6-1-26.6-3, and IBC 1906.4. b. Prestress Steel: Inspect size, spacing, cover, and position of prestressing tendons. | X | | | Testing Agency | |
| 2. Welding of Reinforcing Steel | a. Verify weldability of reinforcing bars other than ASTM A706. Reference ACI 318: 26.6.4 and AWS D1.4 b. Inspect single pass fillet welds, maximum 5/16" c. Inspect all other welds | | X | | Testing Agency AWS - Certified Welding Inspector | |
| 3. Cast in Place Anchor Rods | Inspect size, position and embedment of cast in place bolts and anchor rods. Inspect concrete placement and consolidation around anchors. Reference ACI 318: 17.8.2 | X | | | Testing Agency | |
| 4. Post Installed Anchors (Anchors Installed in Hardened Concrete) | a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2.4 b. Mechanical anchors and adhesive anchors not defined in 4.a. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2 | X | | | Testing Agency | Reference evaluation report (identified in project general notes) for additional inspection scope required by manufacturer. |
| 5. Mix Design | Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at site, if permitted by construction documents, does not exceed that allowed by mix design. | | X | | Testing Agency | |
| 6. Sampling and Testing of Concrete | At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests as required by construction documents, and determine the temperature of concrete. Reference ASTM C 172, ASTM C31, ACI 318 19, 26.4.3, 26.4.4, and IBC 1904.1, 1904.2, 1908.2, 1908.3 | X | | | Testing Agency | |
| 7. Concrete and Shotcrete Placement | Inspect concrete and shotcrete placement for proper application techniques. Reference ACI 318: 26.5 and IBC 1908.6, 1908.7, and 1908.8. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated. | X | | | Testing Agency | |
| 8. Curing and Protection | Inspect for maintenance of specified curing temperature and techniques. Inspect cold weather and hot weather protection procedures as applicable. Reference ACI 318: 26.5.3-26.5.5 and IBC 1905.9 | | X | | Testing Agency | |
| 9. Prestressed (Post-tensioned) Concrete | a. Application of Prestressing Forces: Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations. Reference ACI 318: 26.10.2 b. Grouting of Bonded Prestressing Tendons in the Seismic-Force Resisting System: Reference ACI 318: 26.10.1 | | | X | Testing Agency | |
| 10. Precast Concrete Erection | Inspect erection of precast concrete including member configuration, connections, welding and grouting. Reference ACI 318: Ch 26.8 | | | X | Testing Agency | |
| 11. Verification of In-Situ Concrete Strength | Verify concrete strength prior to the removal of shores and forms from beams and structural slabs and prior to the stressing of tendons in post-tensioned concrete. Reference ACI 318: 26.10.2 & 26.11.1,1.2 | | X | | Testing Agency | |
| 12. Formwork Geometry | Inspect formwork for shape, location and dimensions of the concrete member being formed. Reference ACI 318: 26.11 | | X | | Testing Agency | |

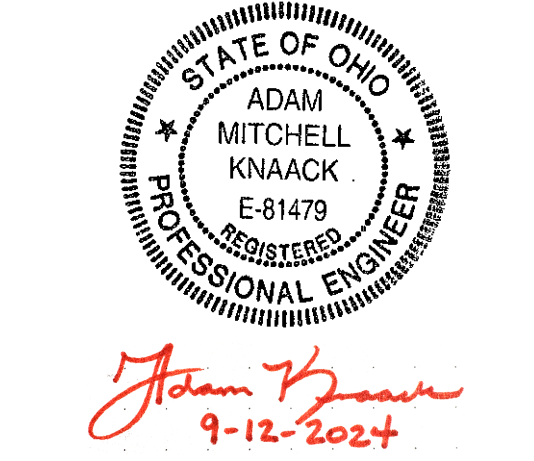
| SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.2.1 STRUCTURAL STEEL | | | | | | |
|--|--|---------|---------|-----|---|---|
| Item | Sub Item / Scope | Extent | | | Agency Qualifications | Comments |
| | | Observe | Perform | N/A | | |
| In-Plant Special Inspections | Fabrication and implementation procedures: In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures. | | X | X | As Noted Below | Special inspections on the premises of the fabricator's shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2. Fabricator is required to submit documentation/verification that they are an Approved Fabricator . |
| 1. Fabricator and erector documents | Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents | | X | | Schaefer Submittal Review | |
| 2. Material verification of structural steel | Verify material in shop and field inspection | | X | | Testing Agency | |
| 3. Embedments | Verify diameter, grade, type, length, embedment. See Table 1705.3 for anchors | | X | | Testing Agency | |
| 4. Verify compliance with construction documents | Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents | | X | | Testing Agency | |
| 5.4-1. Visual Welding Inspection - Inspection Tasks Before Welding: | 1. Welding procedure specifications (WPS) available 2. Manufacturer certifications for welding consumables available 3. Material identification: 4. Fit up of Groove Welds (Including Joint Geometry): Inspection shall include Joint preparation, Dimensions (alignment, root opening, root face, and bevel), Cleanliness (condition of steel surfaces), Tacking (back weld quality and location), Backing type and fit (if applicable) 4. Configuration and Finish of Access Holes: 5. Fit-up of Fillet Welds | | X | | Testing Agency AWS - Certified Welding Inspector | |
| 5.4-2. Visual Welding Inspection - Inspection Tasks During Welding: | 1. Use of Qualified Welders: 2. Control and Handling of Welding Consumables: Packaging and Exposure control 3. No welding over cracked tack welds. 4. Environmental Conditions: Wind speed within limits, and precipitation and temperature. WPS Followed: Observe Settings on welding equipment, Travel speed, Selected welding materials, Shielding gas type/flow rate, Preheat applied, Interpass temperature maintained (min and max), and Proper position (F.U.F.C.H) Welding Techniques: Interpass and final cleaning. Each pass within profile limitations, Each pass meets quality requirements. | | X | | Testing Agency AWS - Certified Welding Inspector | |
| 5.4-3. Visual Welding Inspection - Inspection Tasks After Welding | 1. Welds Cleaned: 2. Size, Length, and Location of Welds: 3. Welds meet visual acceptance criteria: Crack prohibition, Weld-base-metal fusion, Crater crack section, Weld profiles, Weld size, Undercut, Porosity. 4. Arc strikes: 5. K-area 6. Backing Bar Removal and weld tabs removal (if required): 7. Repair Activities: 8. Document acceptance or rejection of welded joint or member | | X | | Testing Agency AWS - Certified Welding Inspector | |
| 5.5 Non-destructive Testing of Welds | 1. CJP Groove Welds: Ultrasonic testing shall be performed on 100 percent of CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 in thick or greater. Ultrasonic testing in materials less than 5/16 in thick is not required. Reduction of Rate of Ultrasonic Testing is permitted if the conditions of AISC 360-10 Appendix N.5.e are met. 2. Access Holes: Thermally cut surfaces of access holes shall be tested using Magnetic Particle Testing or Penetration Testing, when the flange thickness exceeds 2 inches for rolled shapes or when the web thickness exceeds 2 inches for built up shapes. 3. Weld Joints Subjected to Fatigue: Welded joints requiring weld soundness to be established by Radiographic or Ultrasonic inspections. Reduction rate is not allowed. | | | X | Testing Agency AWS - Certified Welding Inspector | Perform NDT for both in field and shop welds. |
| 5.6-1. Inspection of Bolting: Inspection Tasks Prior to Bolting | 1. Manufacturer's certifications available for fastener materials. 2. Fasteners marked in accordance with ASTM requirements 3. Proper fasteners selected for the joint detail (grade, type, and bolt length if threads are excluded from shear plane). 4. Proper bolting procedure selected for joint detail. 5. Connecting elements: Verify elements are fabricated properly, including the appropriate laying surface condition and hole preparation, if specified, meets the applicable requirements 6. Pre-installation verification testing conducted for fastener assemblies and methods used 7. Proper storage provided for bolts, nuts, washers, and other fastener components | | X | | Testing Agency | |
| 5.6-2. Inspection of Bolting: Inspection Tasks During Bolting | 1. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are properly positioned 2. Joint brought to the snug tight condition prior to the prestensioning operation 3. Fastener component not turned by the wrench prevented from rotating 4. Bolts are prestensioned in accordance with the RCSC specification, progressing systematically from most rigid point toward free edges | | X | | Testing Agency | |
| 5.6-3. Inspection of Bolting: Inspection Tasks After Bolting | 1. Document accepted and rejected connections: | | X | | Testing Agency | |
| 6.1 Inspection of Steel Elements of Composite Construction Prior to Concrete Placement | 1. Placement and installation of steel deck. 2. Placement and installation of steel headed stud anchors. 3. Document acceptance or rejection of steel elements. | | | X | Testing Agency | |
| 7. Inspection of Steel Frame | 1. Inspect fabricated steel or erected steel frame to verify compliance with details shown on construction documents including bracing, stiffeners, member locations, and proper application of joint details at each connection | X | | | Testing Agency | |

| SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.2.2 COLD FORMED STEEL DECK | | | | | | |
|---|---|---------|---------|-----|---|----------|
| Item | Sub Item / Scope | Extent | | | Agency Qualifications | Comments |
| | | Observe | Perform | N/A | | |
| 1. Inspection Tasks Prior to Deck Placement | a. Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material, peripheries, and base metal thickness b. Document acceptance or rejection of deck and deck accessories | | X | | Testing Agency | |
| 2. Inspection Tasks After Deck Placement | a. Verify compliance of deck and all deck accessories installation with construction documents b. Verify deck materials are represented by the mill certifications that comply with the construction documents c. Document acceptance or rejection of installation of deck and deck accessories | | X | | Testing Agency | |
| 3. Inspection Prior to Welding | a. Welding procedure specifications (WPS) available b. Manufacturer certifications for welding consumables available c. Material identification (type/grade) d. Check Welding Equipment | | X | | Testing Agency AWS Certified Welding Inspector | |
| 4. Inspection Tasks During Welding | a. Use of qualified welders. b. Control and handling of welding consumables. c. Environmental conditions d. WPS followed | | X | | Testing Agency AWS Certified Welding Inspector | |
| 5. Inspection Tasks After Welding | a. Verify size and location of welds, including support, sidelap, and perimeter welds b. Weld meets visual inspection criteria. c. Verify repair activities. d. Document acceptance or rejection of welds | | X | | Testing Agency AWS Certified Welding Inspector | |
| 6. Inspection Tasks Prior to Mechanical Fastening | a. Manufacturer installation instructions are available for mechanical fasteners. b. Proper tools are available for fastener installation c. Proper storage for mechanical fasteners | | X | | Testing Agency | |
| 7. Inspection Tasks During Mechanical Fastening | a. Fasteners are positioned as required b. Fasteners are installed in accordance with manufacturer's instructions | | X | | Testing Agency | |
| 8. Inspection Tasks After Mechanical Fastening | a. Check spacing, type, and installation of support fasteners b. Check spacing, type, and installation of sidelap fasteners c. Check spacing, type, and installation of perimeter fasteners d. Verify repair activities e. Document acceptance or rejection of mechanical fasteners | | X | | Testing Agency | |

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com

schaefer

STAMP:



5th ST & WALNUT ST STREETScape

432 WALNUT STREET
CINCINNATI, OH 45202

ENGINEER: AMK
MODELER: BLC
CHECKED BY: AMK

| ISSUE/REVISION/SUBMISSION | | |
|---------------------------|------|-------------|
| NO | DATE | DESCRIPTION |
| | | |

PROJECT NUMBER:
2418.91

SHEET NAME:
SPECIAL INSPECTIONS

DATE:
9/12/2024

SHEET:
S002

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Adam Mitchell Knaack
9-12-2024

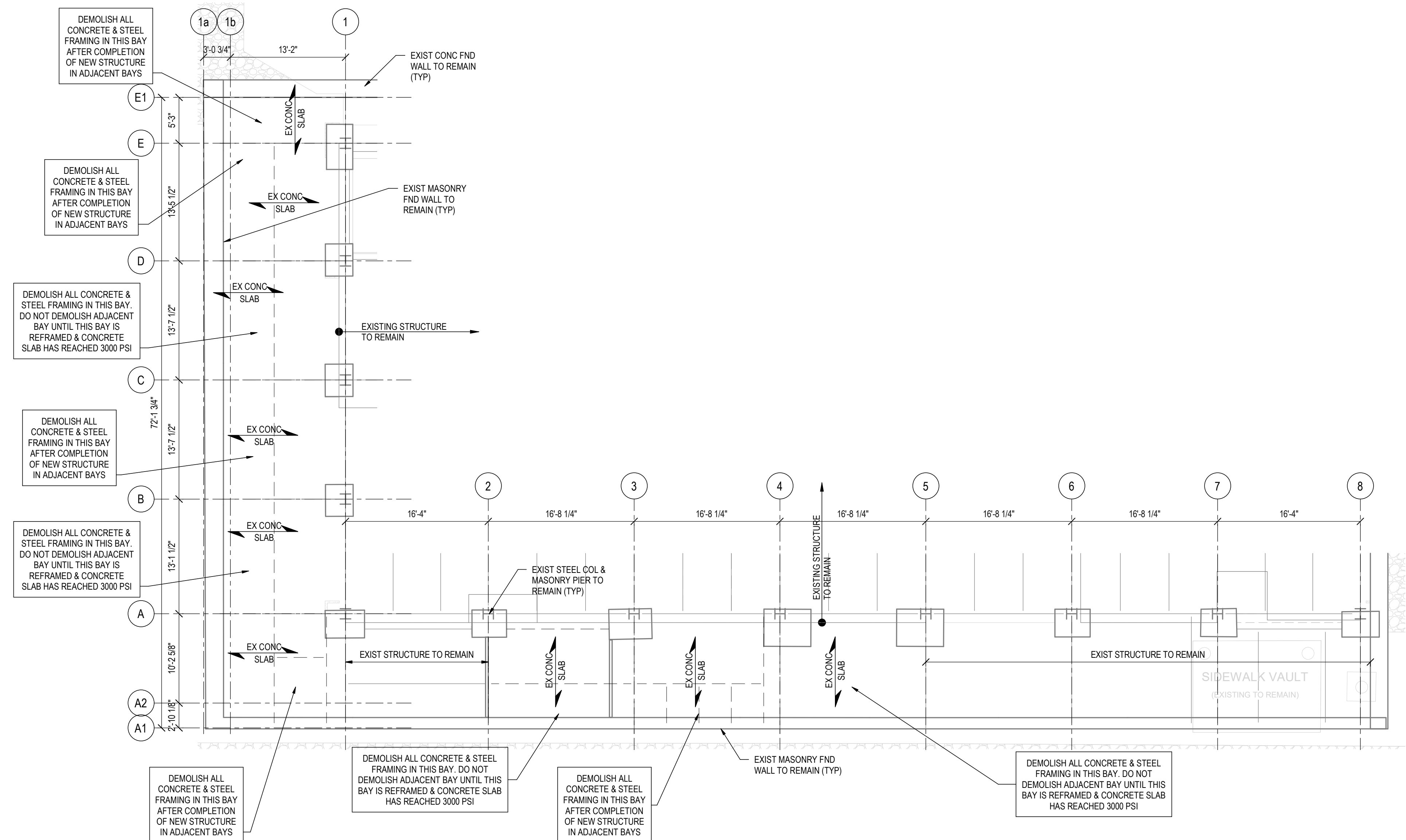
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CONSTRUCTION AND SAFETY

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.
2. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
3. ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
4. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.



GROUND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



**5th ST & WALNUT ST
STREETSCAPE**

432 WALNUT STREET
CINCINNATI, OH 45202

ENGINEER: AMK
MODELER: BLC
CHECKED BY: MAH

| NO | DATE | DESCRIPTION |
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| | | |

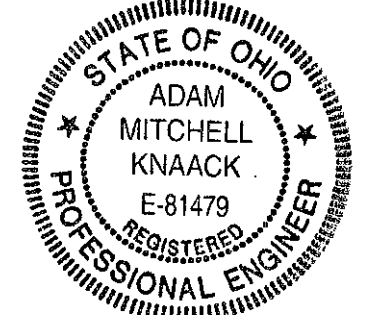
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2418.91

SHEET NAME:
**STRUCTURAL
DEMOLITION
PLANS**

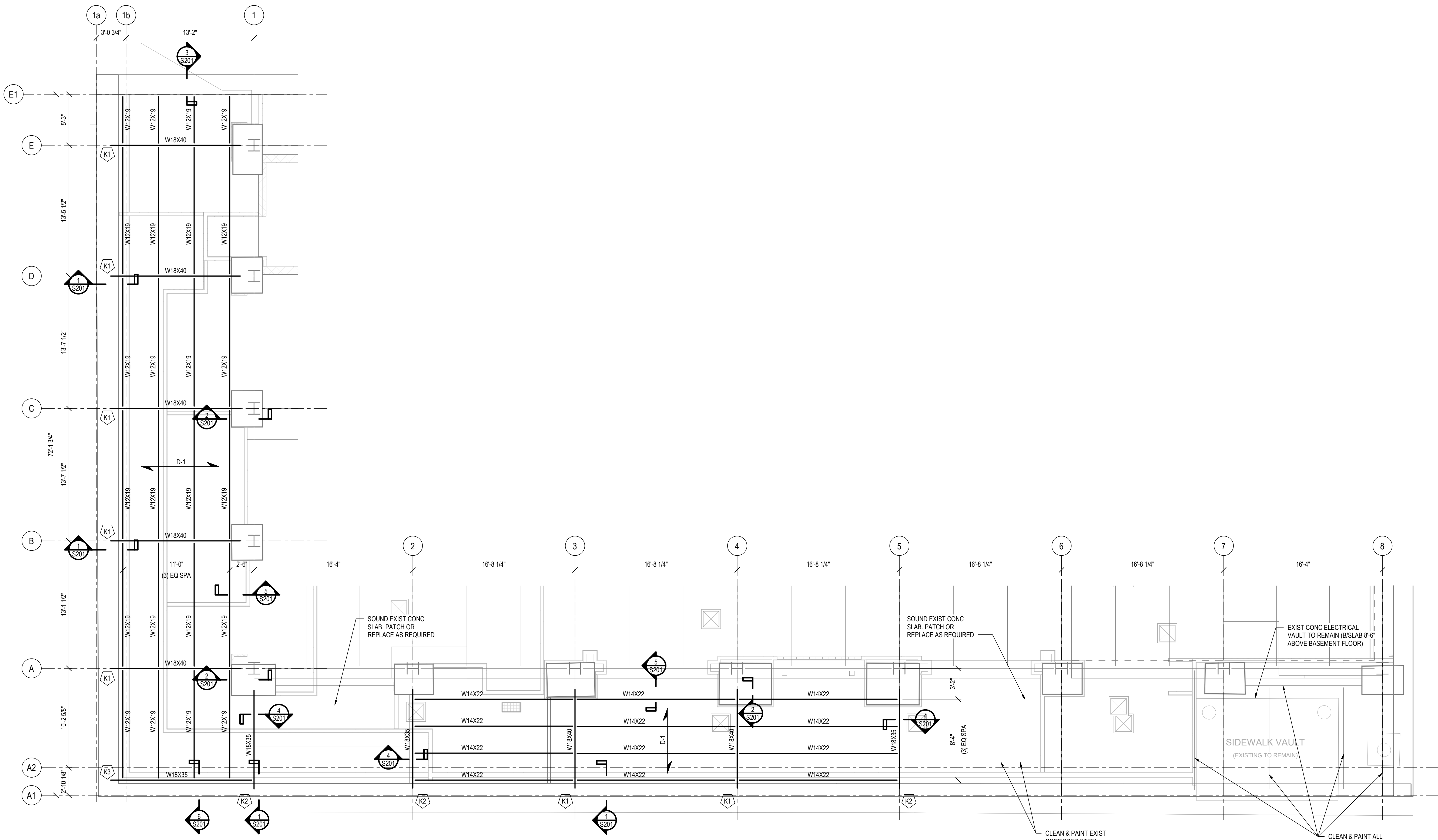
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Adam Knaack
9-12-2024



SIDEWALK FRAMING PLAN
3/16" = 1'-0"

PLAN NOTES:

1. ALL STEEL BELOW THE SIDEWALK SHALL BE HOT DIP GALVANIZED.
2. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
3. SEE SHEET S001 FOR ABBREVIATIONS & LEGEND (SYMBOLS).
4. SEE SHEET S002 FOR SPECIAL INSPECTIONS
5. SEE SHEET S201 FOR:
 - A. METAL DECK SCHEDULE
 - B. STEEL BEAM CONNECTION SCHEDULE
6. REFER TO THE CONCRETE REPAIR DETAILS PROVIDED ON S201. AREAS NOTED ON PLAN WERE VISIBLE DURING INITIAL SITE VISIT, BUT OTHER AREAS THROUGHOUT WILL BE UNCOVERED FURTHER DURING CONSTRUCTION/DEMOLITION. REPAIR DETAILS PROVIDED ARE BASIS FOR REPAIR PROCESS BUT ADDITIONAL DETAILS MAY BE PROVIDED AS ADDITIONAL LOCATIONS ARE UNCOVERED. NOTIFY EOR AS EXISTING SIDEWALK FRAMING IS UNCOVERED FOR ADDITIONAL REPAIR DETAILS NOT COVERED BY THE ONES PROVIDED ON S201.

FLOOR FRAMING KEYNOTES

- K1 PROVIDE BEARING PLATE 1 1/4"x10"x17", EA END.
- K2 PROVIDE BEARING PLATE 1"x10"x10", EA END.
- K3 PROVIDE BEARING PLATE 1"x10"x10".

**5th ST & WALNUT ST
STREETSCAPE**

432 WALNUT STREET
CINCINNATI, OH 45202

ENGINEER: AMK
MODELER: BLC
CHECKED BY: AMK

| ISSUE/REVISION/SUBMISSION | | |
|---------------------------|------|-------------|
| NO | DATE | DESCRIPTION |
| | | |

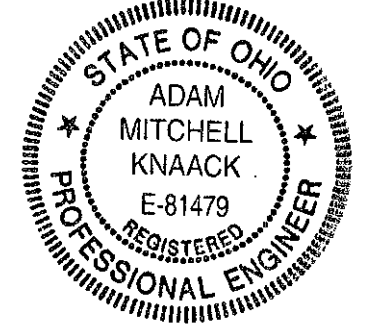
PROJECT NUMBER:
2418.91

SHEET NAME:
SIDEWALK FRAMING PLAN

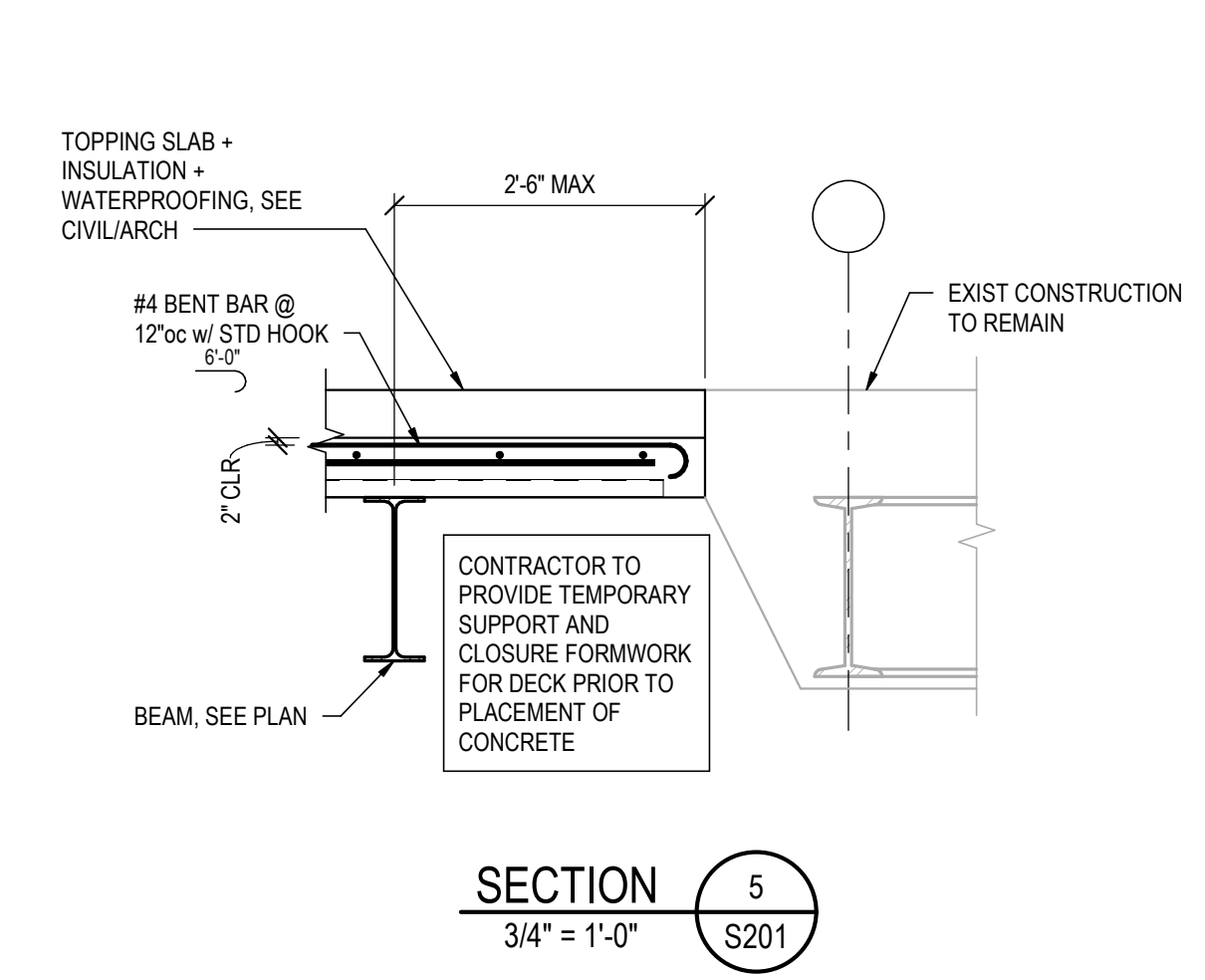
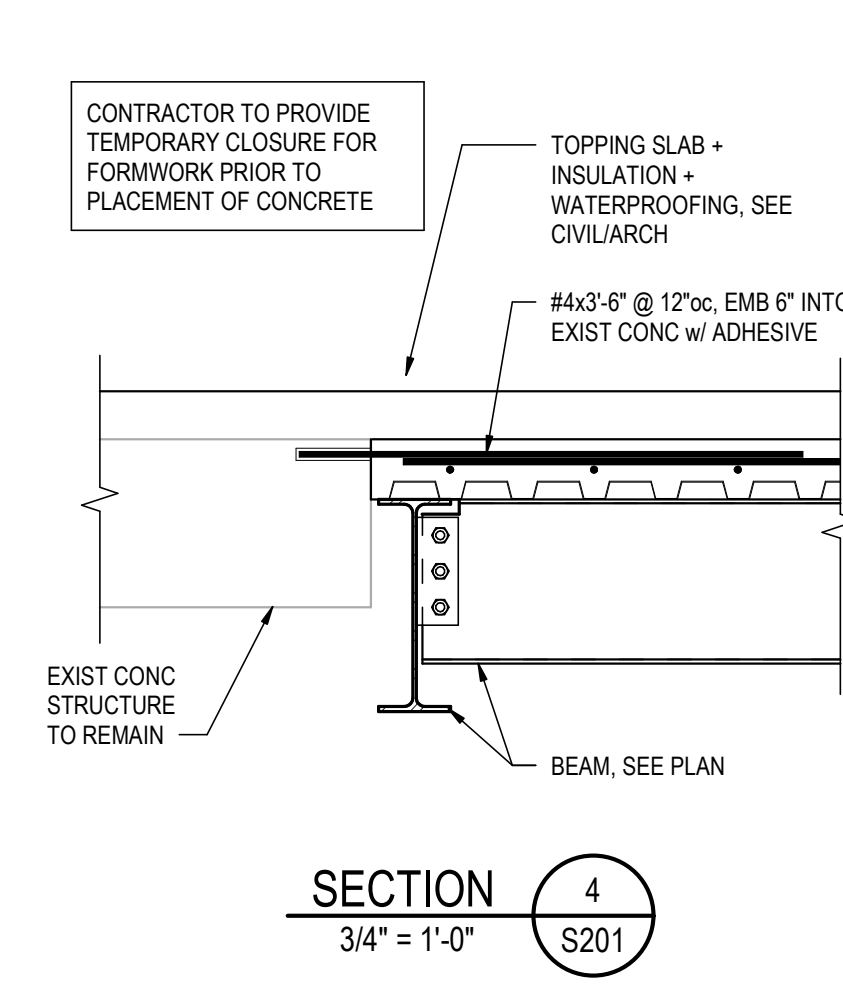
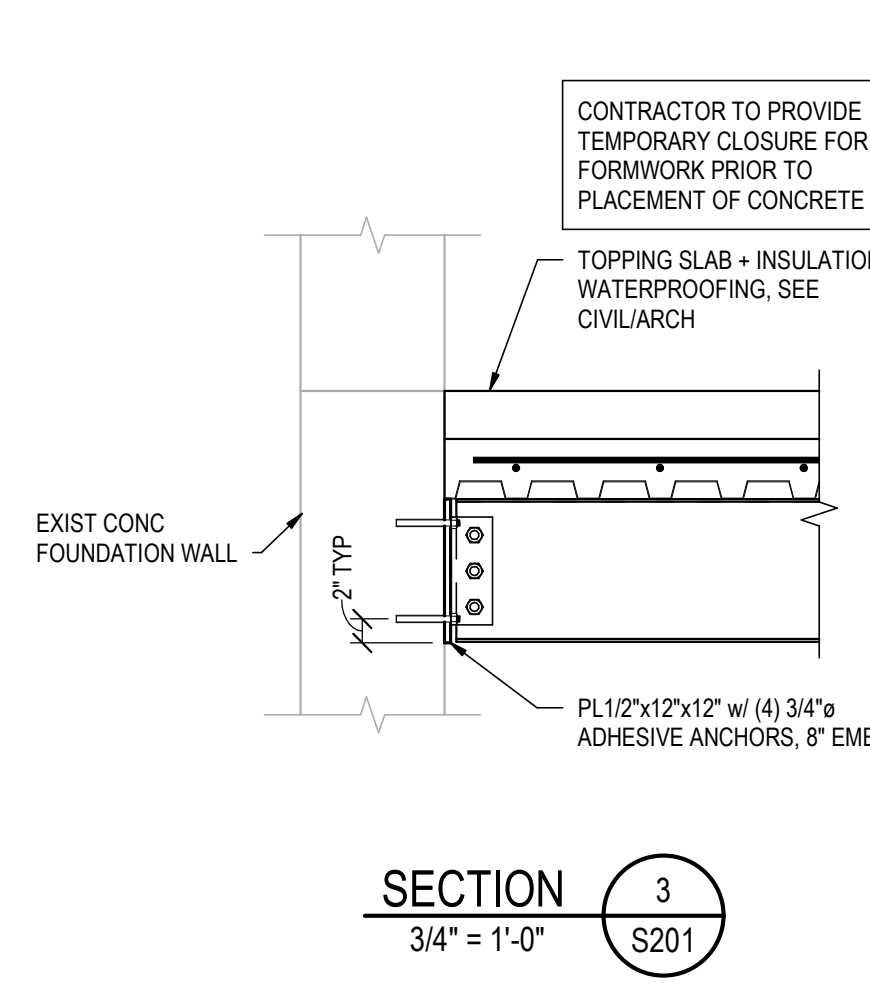
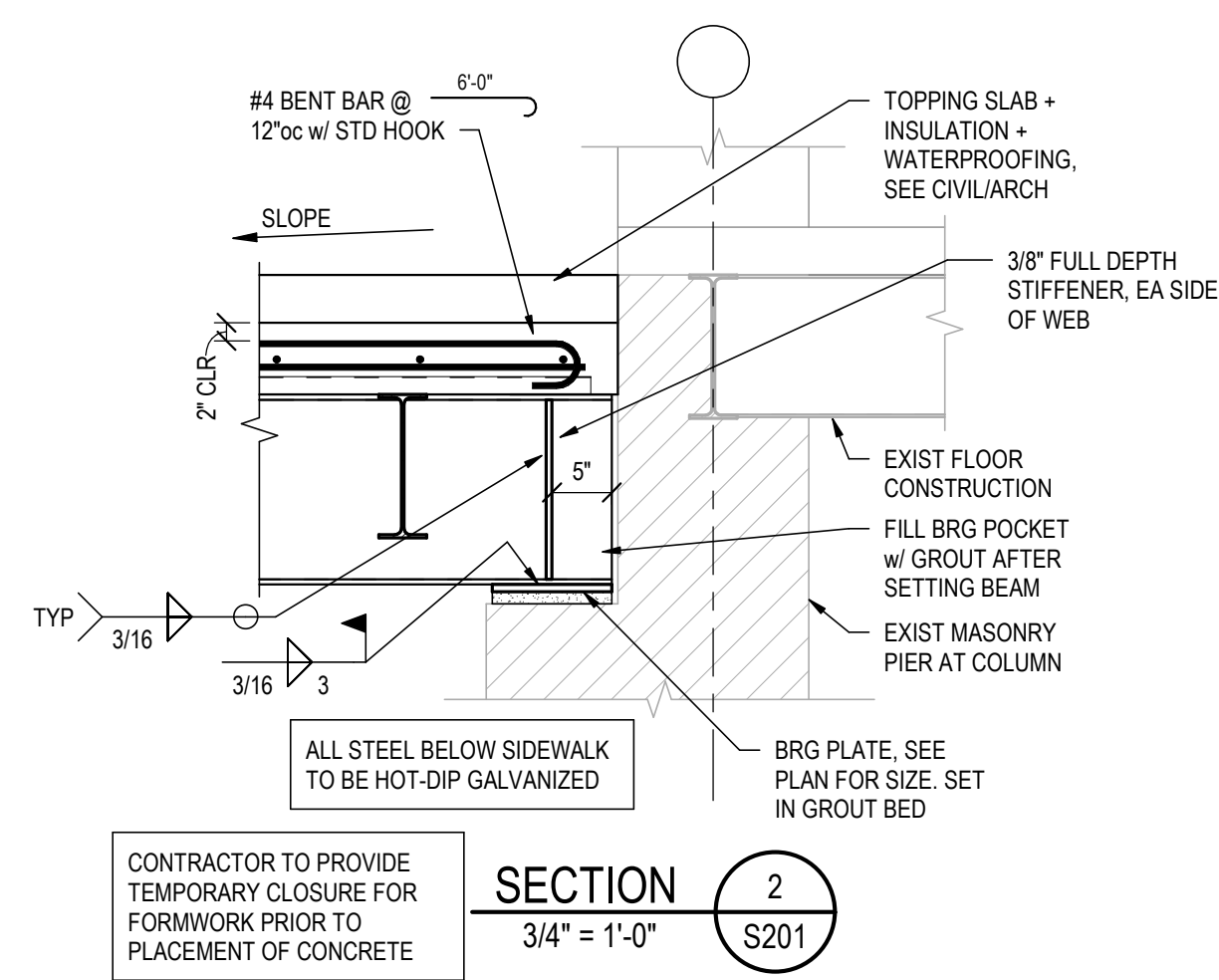
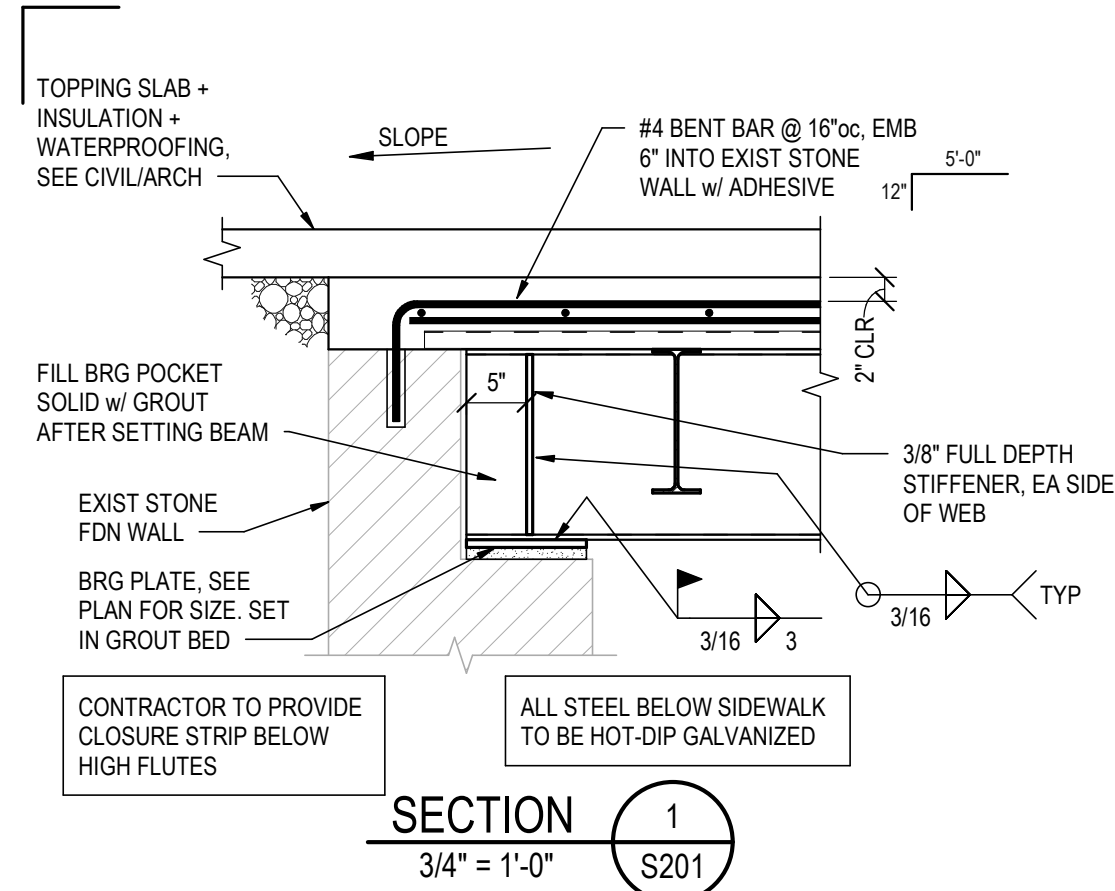
DATE:
9/12/2024

SHEET:
S101

STAMP:



Adam Knaack
9-12-2024



TYPICAL SINGLE-PLATE CONNECTION SCHEDULE (AISC 15th EDITION)

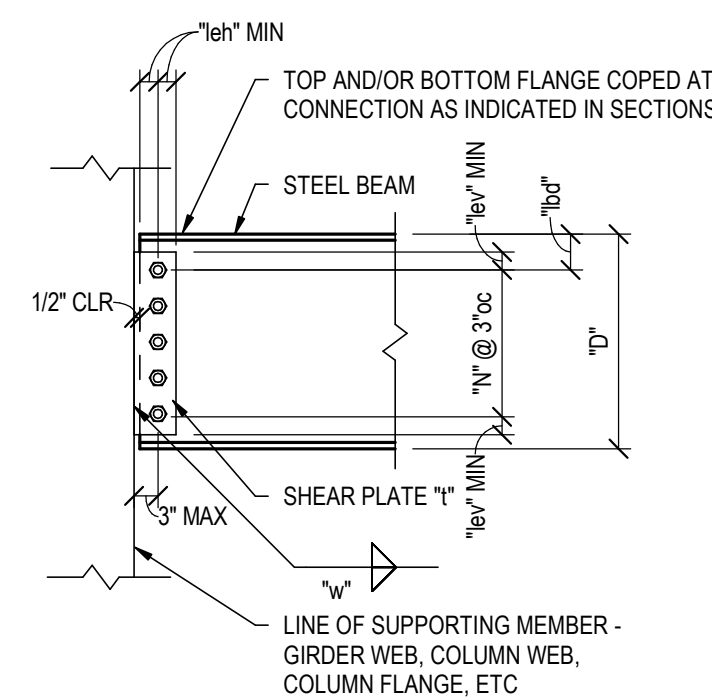
| NOMINAL W BEAM NUMBER OR CONNECTION DEPTH "d" | ASTM A325N BOLTS, "n" | SHEAR PLATE THICKNESS "t" | SHEAR PLATE WELD SIZE "w" | CONNECTION CAPACITIES | | MAX COPE DEPTH "lcv" | MAX COPE LENGTH "lch" | DISTANCE TO FIRST BOLT "lbd" |
|---|-----------------------|---------------------------|---------------------------|-----------------------|--------|----------------------|-----------------------|------------------------------|
| | | | | ASD | LRFD | | | |
| 8" - 11" | 2 | 5/16" | 1/4" | 9.9 k | 14.8 k | 3/4" | 3" | 2 1/2" |
| 12" - 15" | 3 | 5/16" | 1/4" | 13.5 k | 20.3 k | 1 1/4" | 6" | 3" |
| 16" - 17" | 4 | 5/16" | 1/4" | 33 k | 50 k | 1 1/4" | 6" | 3" |
| 18" - 20" | 5 | 5/16" | 1/4" | 53 k | 79 k | 1 1/4" | 6" | 3" |
| 21" - 23" | 6 | 5/16" | 1/4" | 59 k | 89 k | 1 1/4" | 6" | 3" |
| 24" - 26" | 7 | 5/16" | 1/4" | 72 k | 108 k | 1 1/4" | 6" | 3" |
| 27" - 29" | 7 | 5/16" | 1/4" | 72 k | 108 k | 2" | 8" | 3 1/2" |
| 30" - 32" | 8 | 5/16" | 1/4" | 83 k | 125 k | 2" | 8" | 3 1/2" |
| 33" - 35" | 9 | 5/16" | 1/4" | 94 k | 141 k | 2" | 8" | 3 1/2" |
| 36" - 39" | 10 | 5/16" | 1/4" | 104 k | 156 k | 2" | 8" | 3 1/2" |
| 40" - 43" | 11 | 5/16" | 1/4" | 114 k | 171 k | 2 1/4" | 8" | 3 1/2" |
| 44" | 12 | 5/16" | 1/4" | 124 k | 186 k | 2 1/4" | 8" | 3 1/2" |

FABRICATOR MAY SUBMIT ALTERNATE CONNECTION DETAILS AS A REQUEST FOR SUBSTITUTION IN ACCORDANCE WITH OPTION 3 OF SECTION 3.1.1 OF AISC 303-16.

DELEGATED CONNECTION DESIGN SUBMITTAL(S) SHALL BE SIGNED & SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE PROJECT IS LOCATED IN & RESPONSIBLE FOR THE PREPARATION, & SHALL MEET OR EXCEED THE CAPACITIES INDICATED IN THE TABLE ABOVE. THE SUBMITTALS SHALL INCLUDE:

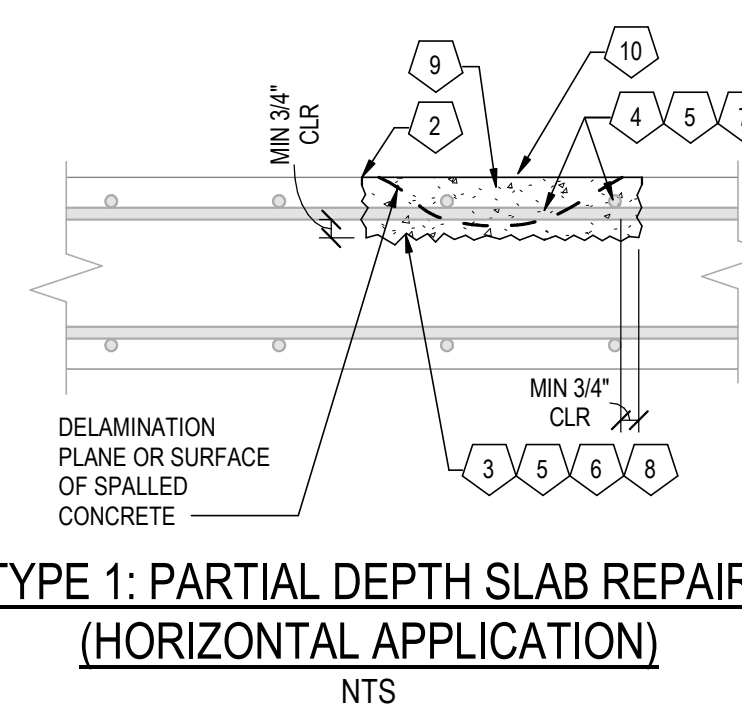
- I. REPRESENTATIVE SAMPLES OF SUBSTANTIATING CONNECTION INFORMATION FOR EACH CONNECTION TYPE PRIOR TO PREPARATION OF STEEL SHOP DRAWINGS.
- II. SUBSTANTIATING CONNECTION INFORMATION INCLUDING COMPREHENSIVE ANALYSIS DATA.
- III. LETTER STATING CONNECTIONS DETAILED IN FABRICATOR'S SHOP DRAWINGS ARE IN CONFORMANCE WITH THE DELEGATED CONNECTION ENGINEERS DESIGN.

NOTES:
SEE TYPICAL SINGLE-PLATE SHEAR CONNECTION SCHEDULE.
HOLES IN SHEAR PLATE MAY BE STANDARD OR SHORT SLOTTED.
"lch" MIN = 1 1/2" "lcv" MIN = 1 1/4"

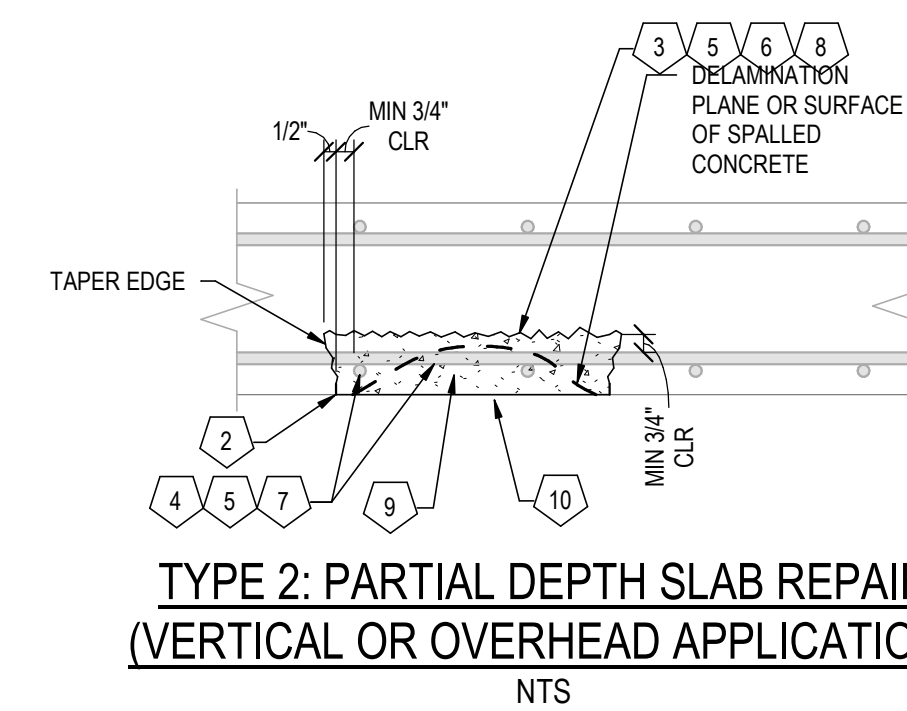


TYPICAL SINGLE-PLATE SHEAR CONNECTION DETAIL

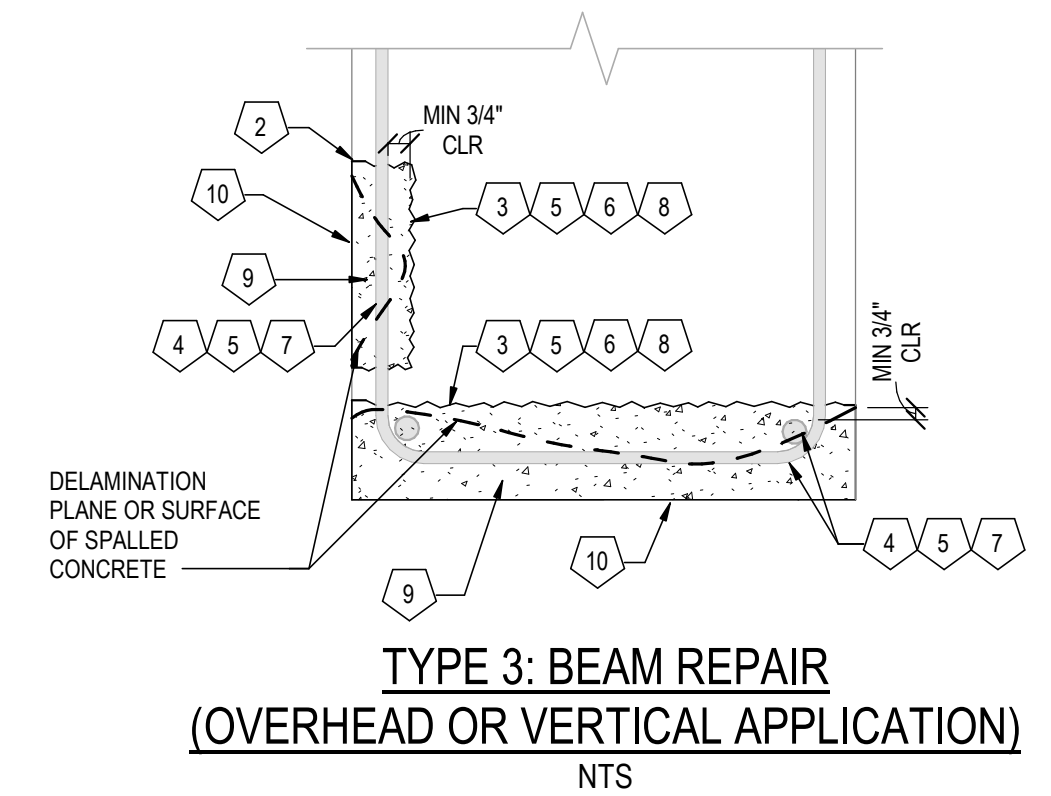
| METAL DECK SCHEDULE | | |
|---------------------|--|---|
| D-1 | TYPE: 2" NON-COMPOSITE FORM DECK GA: 20GA F _y (MIN): 50 KSI FINISH: G90 CONCRETE TYPE: NORMAL WEIGHT CONCRETE | STUD SIZE: N/A SIDELAP: MIN (2) #10 SDS CONNECTIONS PER SPAN SUPPORT FASTENERS: 5/8" PUDDLE WELDS |



TYPE 1: PARTIAL DEPTH SLAB REPAIR (HORIZONTAL APPLICATION)



TYPE 2: PARTIAL DEPTH SLAB REPAIR (VERTICAL OR OVERHEAD APPLICATION)



TYPE 3: BEAM REPAIR (OVERHEAD OR VERTICAL APPLICATION)

CONCRETE REPAIR KEY NOTES:

- PROVIDE SHORING AS INDICATED OR REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE.
- 1. SOUND CONCRETE SURFACE WITH HAMMER TO LOCATE AREAS OF DELAMINATED CONCRETE. MARK PERIMETER OF AREA TO BE REMOVED.
- 2. SAWCUT PERIMETER OF DELAMINATED CONCRETE TO A DEPTH OF 1/2". **DO NOT DAMAGE EXISTING REINFORCING STEEL.**
- 3. REMOVE LOOSE CONCRETE USING 18 LB CHIPPING HAMMER UNTIL SOUND CONCRETE SUBSTRATE IS EXPOSED. NEW CAVITY SHALL BE RECTANGULAR IN SHAPE WITH EDGES PERPENDICULAR TO SURFACE. CONCRETE SUBSTRATE SURFACE SHALL BE A MINIMUM SURFACE PROFILE OF ±1/8"
- 4. REMOVE SCALE AND CORROSION FROM EXISTING REINFORCING STEEL AND CLEAN DOWN TO GRAY METAL. IF REINFORCING HAS REDUCED CROSS SECTION DUE TO CORROSION, MEASURE REMAINING CROSS SECTION AREA. IF REMAINING AREA IS 80% OR LESS THAN ORIGINAL CROSS SECTIONAL AREA, PROVIDE ADDITIONAL REINFORCING PER TYPICAL SUPPLEMENTAL BAR SPLICE DETAIL.
- 5. PRESSURE WASH (3000 PSI MIN) TO REMOVE RESIDUAL CONTAMINANTS. ENSURE SURFACES ARE SOUND, CLEAN AND FREE OF ALL BOND INHIBITING MATERIALS INCLUDING OIL, DUST, DIRT, LANTANCE, AND STANDING WATER.
- 6. DAMPEN REPAIR AREA EDGES SO THAT THE PORES OF THE CONCRETE ARE FILLED WITH WATER. REMOVE ANY PONDING OR GLISTENING WATER ON THE CONCRETE SURFACE (SATURATED SURFACE DRY) AND ON ANY FORMWORK.
- 7. APPLY CORROSION INHIBITING AGENT TO EXPOSED REINFORCING STEEL PER MANUFACTURER'S INSTRUCTIONS (MCI-2023 PASSIVATING GROUT).
- 8. APPLY BONDING AGENT APPROVED FOR USE WITH REPAIR MORTAR TO CONCRETE SUBSTRATE PER MANUFACTURER'S INSTRUCTIONS OR WORK A SCRUB COAT OF THE REPAIR MORTAR INTO THE SUBSTRATE TO ENSURE INTIMATE CONTACT AND ESTABLISH BOND.
- 9. PATCH CAVITY WITH REPAIR MORTAR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS (MCI-2702 VERTICAL REPAIR MORTAR). EXTEND WITH AGGREGATE AND/OR INSTALL IN MULTIPLE LIFTS IF REQUIRED BY REPAIR MORTAR MANUFACTURER FOR SIZE OF CAVITY. IF MULTIPLE LIFTS ARE REQUIRED, SCARIFY THE FIRST LIFT AND ALLOW IT TO HARDEN SUFFICIENTLY TO ACCEPT THE NEXT LIFT.
- 10. TROWEL THE EDGES OF THE REPAIR AREA TO CREATE SMOOTH FINISH MATCHING THE ORIGINAL PROFILE OF THE CONCRETE SURFACE.
- 11. WET CURE CONCRETE FOR 7 DAYS USING BURLAP CURING BLANKETS.

5th ST & WALNUT ST STREETSCAPE

432 WALNUT STREET
CINCINNATI, OH 45202

ENGINEER: AMK
MODELER: BLC
CHECKED BY: AMK

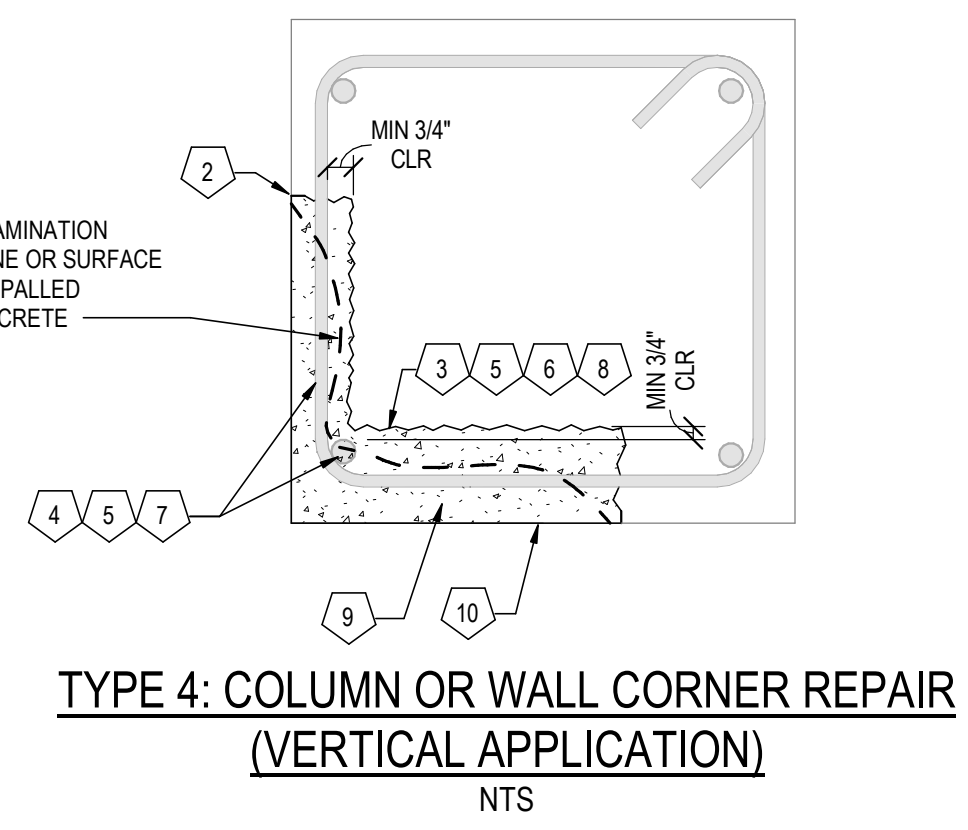
| ISSUE/REVISION/SUBMISSION | | |
|---------------------------|------|-------------|
| NO | DATE | DESCRIPTION |
| | | |

PROJECT NUMBER:
2418.91

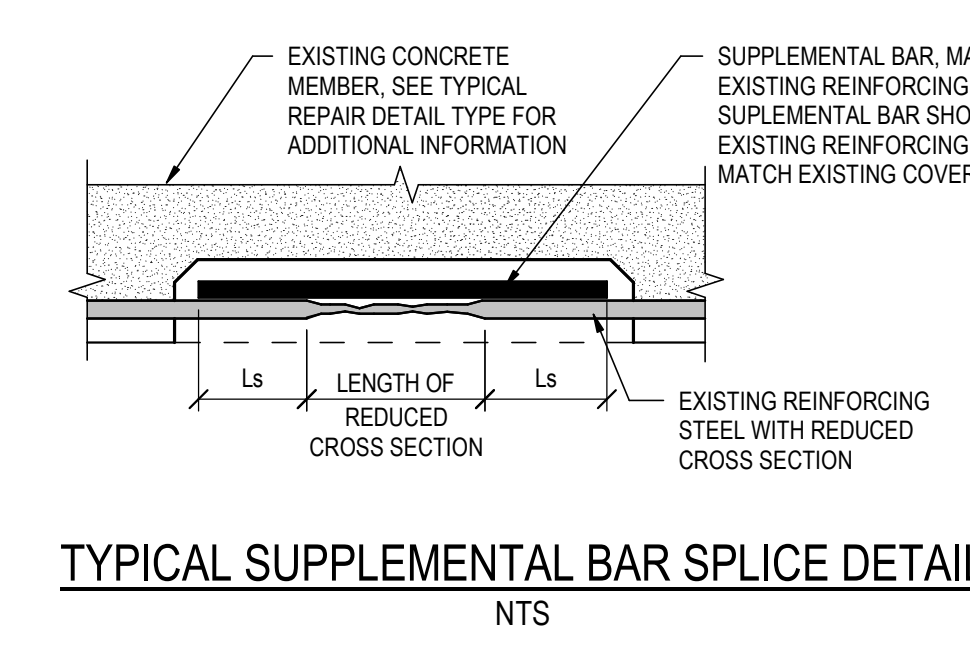
SHEET NAME:
SIDEWALK FLOOR FRAMING SECTIONS

DATE:
9/12/2024

SHEET:
S201



TYPE 4: COLUMN OR WALL CORNER REPAIR (VERTICAL APPLICATION)



TYPICAL SUPPLEMENTAL BAR SPLICE DETAIL