

UNIVERSITY OF LOUISVILLE®

PROCUREMENT SERVICES ADDENDUM

Date of Notice:	3/28/2025
Solicitation No.:	IB-018-25
Title:	Belknap Pedway Structural Repairs
Addendum No.:	2

The following pages shall clarify and/or modify the original bid document(s) as issued by the University of Louisville.

Proposer must acknowledge receipt of this and any addenda either with proposal or by separate letter. Acknowledgement must be received in the Department of Procurement Services, Service Complex Building, University of Louisville no later than **4/4/2025 at 2:00PM, EST**. If by separate letter, the following information must be placed in the lower left-hand corner of the envelope:

Solicitation No.:	IB-018-25
Title:	Belknap Pedway Structural Repairs
Due Date:	4/4/2025 at 2:00PM, EST.

Authorized By:

Procurement Services	
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Receipt Acknowledged:

Company	
Signature	
Name (print)	
Date	

Addendum 2
IB-018-25 Belknap Pedway Structural Repairs

The addendum includes the following written description; reissued drawings S1.3 dated 3/28/25, reissued Allowance Specification 01 21 00 dated 3/28/25, and reissued Form Proposal.

1. Sheet S1.3.
 - a. Revise "Concrete Repair Allowance Schedule" from quantity allowance to lump sum amount of \$25,000.00.
2. Specification 01 21 00 Allowances.
 - a. Revised the §2.1 Schedule of Allowances from individual quantity allowances to a single Lump Sum Allowance of \$25,000.00.
3. Form Proposal
 - a. Replace the Itemized Pricing Schedule with attached.
 - b. Replace the Unit Pricing Schedule with attached.



Jason Bush, P.E.

Copy: Project file

PROPOSAL FORM

ITEMIZED PRICING SCHEDULE

THE LIST OF PROPOSED ITEMS BELOW IS TO BE CONSIDERED THE FORM OF PROPOSAL. The itemized prices shall include the furnishing of all labor and materials (for preparation, shoring, forming, cleaning, etc), the cost of all items and overhead and profit for the Contractor, as well as any subcontractors involved for the Work. These itemized prices shall be listed in the respective pricing schedules.

<u>ITEMIZED PRICING SCHEDULE</u>	
<u>WORK</u>	<u>LUMP SUM PRICE</u>
1. Complete Surface Coating (Tag Note 1)	\$
2. Top Coated Surface Coating (Tag Note 2)	\$
3. Not Used (Tag Note 3)	N/A
4. Exposed Reinforcing Steel (Tag Note 4)	\$
5. Polyurethane Crack-Injection (Tag Note 5)	\$
6. Polyurethane Crack-Injection (Tag Note 6)	\$
7. Polyurethane Crack-Injection (Tag Note 7)	\$
8. Epoxy Crack-Injection (Tag Note 8)	\$
9. Epoxy Crack-Injection (Tag Note 9)	\$
10. Epoxy Crack-Injection (Tag Note 10)	\$
11. Vertical Surface Patch (Tag Note 11)	\$
12. Vertical Elevated Surface Patch (Tag Note 12)	\$
13. Vertical Elevated Surface Patch (Tag Note 13)	\$
14. Horizontal Surface Patch (Tag Note 14)	\$
15. Horizontal Overhead Surface Patch (Tag Note 15)	\$
16. Horizontal Overhead Surface Patch (Tag Note 16)	\$
17. Horizontal Overhead Corner Surface Patch (Tag Note 17)	\$
18. Horizontal Overhead Corner Surface Patch (Tag Note 18)	\$
19. Grout Infill (Tag Note 19)	\$
20. Full-Depth Concrete Infill (Tag Note 20)	\$
21. Expansion Joint Replacement (Tag Note 21)	\$
22. Preformed Expansion Joint Replacement (Tag Note 22)	\$
23. Anti-Slip Tape Replacement (Tag Note 23)	\$
24. Handrail Base Coating (Tag Note 24)	\$
25. Fence Base Replacement (Tag Note 25)	\$
26. Fence Cap Coating (Tag Note 26)	\$
27. Deck Cage Base Coating (Tag Note 27)	\$
28. Replace Traffic Plate Anchors (Tag Note 28)	\$
29. Light Fixture Sealant (Tag Note 29)	\$
30. Storefront Sealant (Tag Note 30)	\$

31.	Louver Sealant (Tag Note 31)	\$
32.	Replace Slide Plate (Tag Note 32)	\$
33.	Replace Bearing Plate & Anchors (Tag Note 33)	\$
34.	General Conditions/Mobilization/Demobilization	\$
35.	Pedestrian Traffic Control	\$
36.	Allowance	\$ 25,000.00
	TOTAL LUMP SUM BID:	\$

UNIT PRICING SCHEDULE

NOTE: Adjustment of quantities in the "Schedule of Repairs" on sheet S1.2 may be either decreased or increased. Payments to or credits from the Contractor will be based on the unit prices furnished below, therefore the unit prices indicated below must be equal to those used to calculate lump sum prices given in the Proposal Form.

	<u>WORK</u>	<u>PRICE</u>	<u>UNIT</u>
1.	Complete Surface Coating (Tag Note 1)	\$	SF
2.	Top Coated Surface Coating (Tag Note 2)	\$	SF
3.	Not Used (Tag Note 3)	N/A	N/A
4.	Exposed Reinforcing Steel (Tag Note 4)	\$	LF
5.	Polyurethane Crack-Injection (Tag Note 5)	\$	LF
6.	Polyurethane Crack-Injection (Tag Note 6)	\$	LF
7.	Polyurethane Crack-Injection (Tag Note 7)	\$	LF
8.	Epoxy Crack-Injection (Tag Note 8)	\$	LF
9.	Epoxy Crack-Injection (Tag Note 9)	\$	LF
10.	Epoxy Crack-Injection (Tag Note 10)	\$	LF
11.	Vertical Surface Patch (Tag Note 11)	\$	SF
12.	Vertical Elevated Surface Patch (Tag Note 12)	\$	SF
13.	Vertical Elevated Surface Patch (Tag Note 13)	\$	SF
14.	Horizontal Surface Patch (Tag Note 14)	\$	SF
15.	Horizontal Overhead Surface Patch (Tag Note 15)	\$	SF
16.	Horizontal Overhead Surface Patch (Tag Note 16)	\$	SF
17.	Horizontal Overhead Corner Surface Patch (Tag Note 17)	\$	SF
18.	Horizontal Overhead Corner Surface Patch (Tag Note 18)	\$	SF
19.	Grout Infill (Tag Note 19)	\$	SF
20.	Full-Depth Concrete Infill (Tag Note 20)	\$	SF
21.	Expansion Joint Replacement (Tag Note 21)	\$	LF
22.	Preformed Expansion Joint Replacement (Tag Note 22)	\$	LF
23.	Anti-Slip Tape Replacement (Tag Note 23)	\$	LF
24.	Handrail Base Coating (Tag Note 24)	\$	EA
25.	Fence Base Replacement (Tag Note 25)	\$	EA

26.	Fence Cap Coating (Tag Note 26)	\$	EA
27.	Deck Cage Base Coating (Tag Note 27)	\$	EA
28.	Replace Traffic Plate Anchors (Tag Note 28)	\$	EA
29.	Light Fixture Sealant (Tag Note 29)	\$	EA
30.	Storefront Sealant (Tag Note 30)	\$	LF
31.	Louver Sealant (Tag Note 31)	\$	LF
32.	Replace Slide Plate (Tag Note 32)	\$	EA
33.	Replace Bearing Plate & Anchors (Tag Note 33)	\$	EA
34.	General Conditions/Mobilization/Demobilization	\$	EA
35.	Pedestrian Traffic Control	\$	EA

ADDITION WORK PRICING

Additional work without applicable unit prices shall be paid for on a time and materials basis per the Contract Documents. Indicate the hourly rates(s) for trades as shown below. Rates to include all charges for wages, benefits, profit, etc.

Laborer Hourly Rate = \$ _____

Other (Specify _____) Hourly Rate = \$ _____

Other (Specify _____) Hourly Rate = \$ _____

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. An Allowance has been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Lump sum allowances.
- C. Related Requirements:
 - 1. Section 012200 "Unit Prices" for procedures for using unit prices.

PART 2 - EXECUTION

2.1 SCHEDULE OF ALLOWANCES

- A. Lump Sum Allowance: Total Allowance for Work is \$25,000.00
 - 1. Basis for Payment: Payment for Allowance be made on a lump sum basis with adjustments made for net variation of total quantities based on contract allowance and unit prices included with the base bid. The actual quantities charged to Allowance will be tracked by the contractor and approved by the Engineer.
 - a. No additional compensation will be made for Allowance without approval of the Engineer.
 - b. No payment will be made for rejected Work.
 - c. Unit Prices include labor, materials, tools, equipment and incidentals for each item. Unit prices for additive and deductive adjustments shall be the same.
 - 2. Coordinate quantity allowance adjustment with unit-price requirements in Section 012200 "Unit Prices."

END OF SECTION 012100

UNIVERSITY OF LOUISVILLE BELKNAP PEDESTRIAN BRIDGE REPAIR



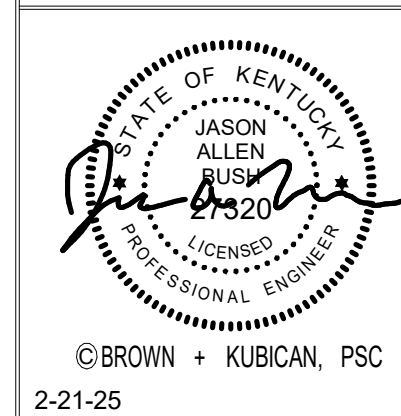
8900 Greenway Commons Pl #201 Louisville, KY 40220
502-749-2061 www.brownkubican.com

INDEX TO DRAWINGS	
Sheet Number	Sheet Name
S1.0	COVER SHEET
S1.1	GENERAL NOTES
S1.2	SPECIAL INSPECTIONS
S1.3	BRIDGE REPAIR QUANTITIES
S2.1	LEVEL 1 & 2 FRAMING PLAN
S2.2	LEVEL 1, 2, & 3 RCP
S2.3	WEST TOWER ELEVATIONS
S2.4	ELEVATOR TOWER ELEVATIONS
S2.5	EAST TOWER ELEVATIONS
S2.6	RAILROAD SECTION
S3.1	TYPICAL REPAIR DETAILS
S3.2	TYPICAL REPAIR DETAILS
S4.1	TYPICAL FRAMING DETAILS



A SITE MAP
S1.0 NOT TO SCALE

NO.			DESCRIPTION			DATE		
BELKNAP PEDESTRIAN BRIDGE REPAIR								
AS BUILT DATE			COVER SHEET			DRAWING NO.		
DRAWN BY MDA			UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY			S1.0		
CHECKED BY JST/JAB						BK PROJECT # 24252		
DATE 2/21/25			<small>8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com</small>			ENGR. FILE NO. -		
AGENCY AUTHORIZED AGENT			APPROVED FOR PROGRAM CONCEPT ONLY			DATE		



GENERAL NOTES

DESIGN LOADS

STRUCTURAL RISK CATEGORY CATEGORY II

FLOOR LIVE LOAD

STAIRS/BRIDGE DECK 100 PSF

ROOF SNOW LOAD (PER ASCE 7-10)

GROUND SNOW LOAD Ps = 15 PSF

IMPORTANCE FACTOR Is = 1.0

SNOW EXPOSURE FACTOR Ce = 1.0

THERMAL FACTOR

(BRIDGE/STAIRS) Ct = 1.2

FLAT ROOF SNOW LOAD* (P_f = 0.7C_eG_{is}P_g)

(BRIDGE/STAIRS) P_f = 12.6 PSF

MINIMUM ROOF SNOW LOAD (P_sP_g) P_m = 15 PSF

SLOPED ROOF SNOW LOAD* (P_s = C_eP_f)

(BRIDGE/STAIRS) P_s = 12.6 PSF

WIND LOAD (PER ASCE 7-10)

ULTIMATE DESIGN WIND SPEED V_{ult} = 115 MPH

NOMINAL DESIGN WIND SPEED V_{50yr} = 89 MPH

WIND EXPOSURE EXPOSURE C

ENCLOSURE OPEN STRUCTURE

EARTHQUAKE DESIGN DATA

COUNTY / STATE JEFFERSON / KENTUCKY

IMPORTANCE FACTOR I_e = 1.0

MAPPED SHORT PERIOD RESPONSE ACCELERATION S_s = 0.207

MAPPED 1 SECOND PERIOD RESPONSE ACCELERATION S₁ = 0.107

SITE CLASS (ASSUMED) CLASS D

DESIGN SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT S_{ds} = 0.221

DESIGN 1 SECOND PERIOD SPECTRAL RESPONSE COEFFICIENT S_{d1} = 0.169

SEISMIC DESIGN CATEGORY CATEGORY C

BASIC STRUCTURAL SYSTEM BUILDING FRAME SYSTEM

SEISMIC RESISTING SYSTEM ORDINARY REINFORCED CONCRETE

SHEAR WALLS

RESPONSE MODIFICATION FACTOR R = 5.0

SEISMIC RESPONSE COEFFICIENT C_s = 0.100

METHOD OF ANALYSIS EQUIVALENT LATERAL FORCE PROCEDURE

SEISMIC BASE SHEAR = 42.0 KIPS

DESIGN STRESSES

CONCRETE & REPAIR MORTAR (STRENGTH DESIGN) MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS

CONCRETE EXPOSED TO FREEZE/THAW f_c = 5,000 PSI

REINFORCING BARS (ASTM A615 GRADE 60) f_y = 60,000 PSI

WIDE FLANGE AND TEE SHAPES DESIGNATED AS W AND WT (ASTM A992) f_y = 50,000 PSI

CHANNELS, ANGLES, PLATES AND BARS (ASTM A572) f_y = 50,000 PSI

WEATHERING STEEL (ASTM 242 OR A588) f_y = 50,000 PSI

- DESIGN CRITERIA**
- STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2018 KENTUCKY BUILDING CODE, 3rd EDITION (2015 IBC).
 - NO PROVISION HAS BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

- GENERAL**
- THE REQUIREMENTS OF THESE GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON PLANS OR IN SPECIFICATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONTRACT DOCUMENTS, ADDENDA, AND SUPPLEMENTARY INFORMATION AND DISTRIBUTING SUCH TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE PREPARATION AND SUBMITTAL OF SHOP DRAWINGS, FABRICATION, AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES THAT MAY EXIST.
 - ANY DISCREPANCIES BETWEEN STRUCTURAL AND EXISTING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
 - DO NOT SCALE DRAWINGS.
 - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS TO CONSTRUCT THE STRUCTURE, INCLUDING VERIFICATION OF LOAD CAPACITY OF THE STRUCTURE, NEW OR EXISTING, TO SUPPORT CONSTRUCTION ACTIVITIES, EQUIPMENT, ETC. AND FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED. DAMAGE TO THE STRUCTURE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE CORRECTED BY THE RESPONSIBLE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - SHOP DRAWINGS MUST BE CHECKED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION.
 - WALL OPENINGS AND TERMINATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE DIAGRAMMATIC ONLY.
 - EXISTING CONSTRUCTION SHOWN IS BASED ON EXISTING CONSTRUCTION DOCUMENTS AND/OR GENERAL CONSTRUCTION PRACTICE AND IS NOT GUARANTEED TO BE TRUE OR EXACT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS RELEVANT TO THEIR WORK PRIOR TO CONSTRUCTION.
 - DETAILS LABELED TYPICAL ON THESE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR AND SHALL APPLY REGARDLESS OF WHETHER THEY ARE KEYED ON THE PLANS. CONSTRUCTION NOT SPECIFICALLY INDICATED BY DETAIL OR SECTION SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

- CONCRETE CONSTRUCTION**
- ALL CONCRETE CONSTRUCTION TO BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 301, ACI 318 AND ACI DETAILING MANUAL, EXCEPT THAT CONSTRUCTION AND REMOVAL OF FORMS AND RESHORING SHALL BE INSPECTED BY THE CONTRACTOR'S ENGINEER.
 - FURNISH BAR SUPPORTS WHERE NECESSARY DURING CONSTRUCTION.
 - PROVIDE PLASTIC, PLASTIC-COATED (NOT PLASTIC-TIPPED) OR STAINLESS STEEL CHAIRS IN ALL CONCRETE EXPOSED TO VIEW IN COMPLETED STRUCTURE.
 - OBTAIN APPROVAL OF STRUCTURAL ENGINEER BEFORE LOCATING SLEEVES, HOLES, OR INSERTS IN SLABS WITHIN 2'-0" OF FACE OF COLUMNS OR ANYWHERE IN BEAMS OR COLUMNS.
 - WELDING OF REINFORCING BARS (INCLUDING TACK WELDING) IS NOT PERMITTED.
 - ALL EXPOSED CORNERS OF CONCRETE SHALL BE CHAMFERED 45 DEGREES. MINIMUM CHAMFER TO BE 1/2". CURVE THE LEADING EDGE OF STAIR TREADS TO 1/2" RADIUS.
 - ALL EXPOSED CONCRETE SUBJECTED TO FREEZING AND THAWING TO HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.40 AND 6% +/- 1% OF ENTRAINED AIR.
 - SPLICES: ALL REINFORCING SPLICES SHALL BE AS TENSION LAP, U.N.O.
 - LAP ALL COMPRESSION SPLICES 30 BAR DIAMETERS OF THE LARGER BAR.
 - LAP ALL TENSION SPLICES (ALL SPLICES EXCEPT COLUMN SPLICES, U.N.O.) IN ACCORDANCE WITH THE FOLLOWING TABLE. MODIFY LENGTHS AS NOTED:
- | BAR SIZE | CONCRETE COMPRESSIVE STRENGTH | 1. INCREASE SPLICE LENGTH BY THE FOLLOWING: | 2. NOTE: INCREASED LENGTHS ARE ACCUMULATIVE |
|----------|-------------------------------|--|---|
| #3 | 17' | 1. HORIZONTAL TOP BARS WITH GREATER THAN 12" OF CONCRETE BELOW | +30 % |
| #4 | 22' | 2. BAR SPACING LESS THAN 2 BAR DIAMETERS | +50 % |
| #5 | 28' | | |
| #6 | 33' | | |

- CONCRETE PROTECTION FOR REINFORCEMENT:** **COVER**
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER
 - NO. 6 THROUGH NO. 18 BARS 2"
 - NO. 5 BAR, W31 OR D31 WIRE AND SMALLER 1 1/2"

- STEEL CONSTRUCTION**
- STEEL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICE, AND THE AWS STRUCTURAL WELDING CODE.

- CONNECTIONS - WELDED OR HIGH-STRENGTH BOLTED:
 - A325-N WITH HARDENED WASHERS - USE FOR ALL CONNECTIONS OTHER THAN SLIP CRITICAL CONNECTIONS.
 - UNLESS SNUG-TIGHT CONNECTIONS ARE NOTED ON THE DRAWINGS AS BEING PERMITTED, ALL BOLTS SHALL BE TIGHTENED TO FULL PRETENSIONING LOAD.
 - UNLESS SPECIFICALLY NOTED ON THE DRAWINGS OR WITHOUT WRITTEN PERMISSION FROM THE ENGINEER, ALL BOLTS FOR THE PROJECT SHALL BE OF ONE ASTM TYPE AND ONE DIAMETER.
- USE STANDARD HOLES WITH THE FOLLOWING EXCEPTIONS: OVERSIZE HOLES ARE PERMITTED WHEN BOLTS ARE LOADED IN TENSION; SHORT-SLOTTED HOLES ARE PERMITTED FOR SHEAR LOADING PERPENDICULAR TO THE SLOT IN ANY ONE PLY AT EACH FAYING SURFACE.
- HARDENED WASHERS SHALL BE USED OVER ALL OVERSIZED OR SHORT-SLOTTED HOLES IN AN OUTER PLY - WHERE LONG-SLOTTED HOLES ARE USED IN AN OUTER PLY, 5/16" THICK ADDED WASHERS OR CONTINUOUS BAR WITH STANDARD HOLES SHALL BE PROVIDED.
- WHERE REACTION IS NOTED, DEVELOP SAME. WHERE NOT NOTED, FOR NON-COMPOSITE BEAMS, CONNECTIONS SHALL DEVELOP ONE-HALF OF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM FOR COMPOSITE BEAMS. SEE TABLE.
- WHEREVER POSSIBLE, USE FRAMED BEAM CONNECTIONS AS LISTED IN TABLES 10-1, 10-2, 10-3, 10-4, 10-11 AND 10-12 OF THE AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION. THE LENGTH OF CONNECTION ANGLES AND PLATES SHALL BE NOT LESS THAN ONE-HALF OF THE T DISTANCE OF THE BEAM WEB.
- PREAPPROVED CONNECTION DETAILS ARE SHOWN ON THE TYPICAL FRAMING DETAILS DRAWING SHEETS.
- WELDING ELECTRODES SHALL BE E70XX EXCEPT WHERE OTHER ELECTRODES ARE REQUIRED FOR COMPATIBILITY WITH MATERIAL BEING WELDED.
- SHOP DRAWINGS ARE REQUIRED AND SHALL NOTE TYPE OF ELECTRODES, SIZE OF ALL WELDS, AND TYPE AND SIZE OF ALL BOLTS.
- SEE SPECIFICATIONS FOR ALL PRIMING REQUIREMENTS.
- ALL SHOP AND FIELD WELDING SHALL BE DONE BY A CERTIFIED WELDER.
- FOR CONNECTIONS TO EXISTING CONCRETE, LOCATE THE REINFORCING BY MEANS OF A REBAR DETECTOR PRIOR TO DRILLING. ADJUST THE CONNECTION AS REQUIRED TO AVOID CUTTING ANY REINFORCING.
- DO NOT WELD TO EXISTING STEEL WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

- DEMOLITION AND RECONSTRUCTION NOTES**
- REPAIR OF ANY DAMAGE CAUSED TO THE BUILDING DURING DEMOLITION AND CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL IDENTIFY ANY WORK THAT IS NOT POSSIBLE (I.E. BRIDGE JACKING) DUE TO EXISTING CONDITIONS (I.E. PIPING, CONDUITS, ETC.) AND INCLUDE A LIST WITH THEIR BID.

NOTE:
THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DESIGNING, SUPPLYING, AND INSTALLING ALL TEMPORARY SHORING AND BRACING NECESSARY TO INSTALL NEW STRUCTURAL ELEMENTS. THE DESIGN OF THE SHORING SHALL BE DONE BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF KENTUCKY. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT (FOR THEIR RECORDS) TEMPORARY SHORING DRAWINGS (PLANS AND ANY NECESSARY DETAILS) THAT ARE SEALED, SIGNED AND DATED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.

- SHORING / BRACING DESIGN AND INSTALLATION**
- THE GENERAL TRADES CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENGINEERING, SUPPLYING, AND INSTALLING ALL TEMPORARY SHORING AND BRACING NECESSARY TO RESIST GRAVITY AND LATERAL LOADS AS THE EXISTING BUILDING IS SELECTIVELY DEMOLISHED AND RECONSTRUCTED WITH NEW STRUCTURAL ELEMENTS. THE DESIGN OF SHORING SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF KENTUCKY IN CONSIDERATION OF APPLIED, POTENTIAL AND CONSTRUCTION LOADING; CONSTRUCTION METHODS, TECHNIQUES AND SEQUENCE; LOADING AND ANALYSIS OF THE EXISTING STRUCTURE AND ITS ABILITY TO TRANSFER LOADS TO THE SHORING AND BRACING SYSTEM, AND SCHEDULE. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT (FOR THEIR RECORDS) TEMPORARY SHORING DRAWINGS (PLANS AND ALL NECESSARY DETAILS) THAT ARE SEALED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. SHORING SUBMITTAL SHALL ALSO INCLUDE A WRITTEN DESCRIPTION OF THE INTENDED CONSTRUCTION SEQUENCE, PREPARED BY THE SHORING ENGINEER, AND REVIEWED AND APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO SUBMITTAL TO THE ARCHITECT FOR THEIR RECORDS. SHORING SUBMITTALS SHALL INCLUDE A WRITTEN DESCRIPTION OF LOADS AND LOAD COMBINATIONS CONSIDERED. SUBMITTALS SHALL BE RECEIVED FOR RECORD AND ARE NOT CONSIDERED AN ACTION SUBMITTAL BY BROWN & KUBICAN, PSC.
 - SUGGESTED SHORING DETAILS HAVE BEEN INCORPORATED INTO THE CONSTRUCTION DOCUMENTS IN SOME INSTANCES. WHERE PROVIDED, THEY SHALL BE CONSTRUED AS SUGGESTIONS ONLY WHEREIN IF SUCH SCHEME IS USED, THE DESIGN AND DETAILS MUST STILL BE VERIFIED BY (AND FULL RESPONSIBILITY TAKEN BY) THE SHORING ENGINEER.
 - CEASE DEMOLITION OPERATIONS AND NOTIFY ENGINEER IF ANY EXISTING STRUCTURAL ELEMENT TO REMAIN IN SERVICE DEVELOPS CRACK, BOW, DEFLECTION, ETC. OR IF ANY COMPONENT OF THE EXISTING STRUCTURE APPEARS DAMAGED, CORRODED OR OTHERWISE COMPROMISED.

- ROOF, FLOOR, OR WALL OPENINGS**
- NO STRUCTURAL ELEMENTS ARE TO BE CUT UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

- OPENINGS / PENETRATIONS / ATTACHMENTS TO STRUCTURE BY OTHER TRADES**
- THE CONTRACTOR SHALL COORDINATE AND VERIFY THE NUMBER, SIZE, AND LOCATION OF ALL SLEEVES AND OPENINGS REQUIRED FOR OTHER TRADES IN STRUCTURAL ELEMENTS.

- TO STRUCTURAL ELEMENTS (WALLS, ELEVATED SLABS, BEAMS, ETC.)**
- NO PENETRATIONS LARGER THAN 1/2" IN DIAMETER / SQUARE SHALL BE FIELD CUT IN THE STRUCTURAL MEMBER WITHOUT APPROVAL OF THE ENGINEER OR ELEMENT.

- SITE OBSERVATION BY THE STRUCTURAL ENGINEER**
- THE ENGINEER HAS NO CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES; FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK; FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK; OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, MATERIAL SUPPLIER, OR AGENTS THEREOF. THE ENGINEER DOES NOT GUARANTEE THE PERFORMANCE OF THE CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM ITS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR APPLICABLE LAWS, CODES, RULES, OR REGULATIONS. THE CONTRACTOR SHALL MAINTAIN SOLE RESPONSIBILITY FOR DEFECTS AND DEFICIENCIES, INCLUDING PROVIDING TESTING AND INSPECTION ONCE SUCH ARE DISCOVERED, AND FOR PROVIDING ENGINEERED CORRECTIVE ACTION FOR DESIGN TEAM REVIEW.
 - PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF BROWN+KUBICAN, PSC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY, QUANTITY, OR ACCURACY OF THE CONSTRUCTION WORK, BUT RATHER PERIODIC IN EFFORT TO INFORM THE CLIENT ABOUT GENERAL PROGRESS AND TO ADVISE THE CLIENT ABOUT OBSERVED DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

- RENOVATION AND REUSE OF EXISTING STRUCTURES**
- THE OWNER SHALL UNDERSTAND THAT EXISTING STRUCTURES MAY HAVE BEEN CONSTRUCTED PRIOR TO BUILDING CODE ADOPTION, TO A PREVIOUS CODE EDITION, OR NONCOMPLIANT TO CODE AND THAT THE ENGINEER SHALL NOT BE RESPONSIBLE FOR DISCOVERY OF CONSTRUCTION TECHNIQUES, CONDITION, OR ADEQUACY OF EXISTING STRUCTURE TO REMAIN STRUCTURALLY UNIMPAIRED AS PART OF THIS WORK.
 - IN ELECTING TO REUSE AN EXISTING STRUCTURE THE OWNER SHALL REMAIN SOLELY RESPONSIBLE FOR THE CONDITION AND ADEQUACY OF THE EXISTING STRUCTURE, EXCEPT WHERE MODIFIED BY THE CONSTRUCTION PROJECT.
 - DISCOVERY OF AND PROVISION FOR DEFERRED MAINTENANCE AND REPAIR OF THE STRUCTURE ARE NOT INCLUDED IN THE SCOPE OF THE ENGINEER OR CONSTRUCTION DOCUMENTS EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS.

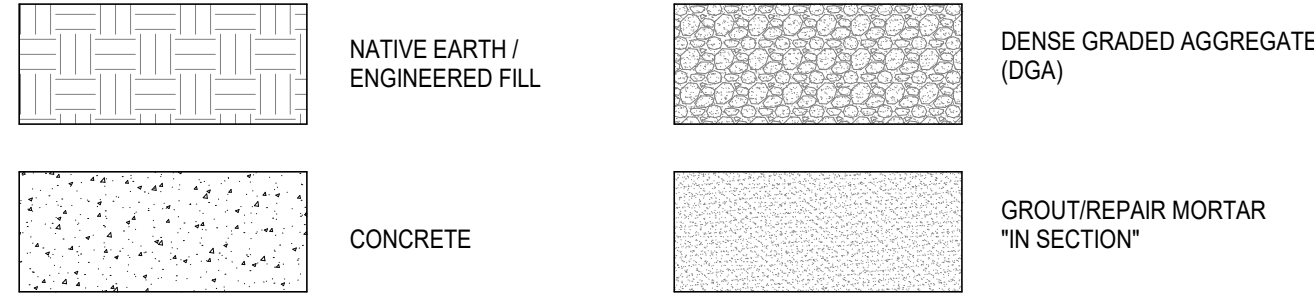
- IN KEEPING WITH CURRENT CODE PROVISIONS, EXISTING LOAD-CARRYING STRUCTURAL ELEMENTS MAY HAVE NOT BEEN STRENGTHENED, SUPPLEMENTED, REPLACED, OR OTHERWISE ALTERED IF CALCULATIONS SHOWN:
 - NO MORE THAN 5% INCREASE IN DESIGN GRAVITY LOAD APPLIED TO THAT EXISTING STRUCTURAL ELEMENT AS A RESULT OF THE INTENDED ALTERATIONS.
 - NO MORE THAN 10% INCREASE IN DEMAND-CAPACITY RATIO OF AN EXISTING LATERAL LOAD-CARRYING ELEMENT OR ALTERATION RESULTING IN A STRUCTURAL IRREGULARITY.

- MAINTENANCE STATEMENT AND STRUCTURE LIFESPAN**
- THE ENGINEER MAKES NO CLAIM OR AGREEMENT AS TO THE LIFESPAN OF THE BUILDING STRUCTURE. THE CLIENT AND OWNER SHALL UNDERSTAND THAT STRUCTURAL TYPES DO HAVE LIFESPAN RELATIVE TO INITIAL COST AND MAINTENANCE AND THAT BY REQUESTING OR ACCEPTING A STRUCTURAL SYSTEM OF LOWER INITIAL COST THAT THE USEABLE LIFESPAN WILL DECREASE AND MAINTENANCE INCREASE.
 - ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. THE ENGINEER SHALL NOT BE HELD LIABLE FOR MAINTENANCE REQUIREMENTS OR DETERIORATION RESULTING FROM LACK OF BUILDING MAINTENANCE.
 - A PLANNED PROGRAM OF MAINTENANCE SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO: PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATING FOR CONCRETE, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, TIMELY REPAIR OF SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF STRUCTURAL ELEMENTS EXPOSED TO A SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.

- GENERAL PHASING NOTES**
- WHERE WORK REQUIRES DISRUPTION OF THE NORMAL, SAFE & EFFICIENT FLOW OF PEDESTRIAN TRAFFIC, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY SIGNAGE, SAFETY, AND DUST & DEBRIS PROTECTION TO PROPERLY AND COMPLETELY EXECUTE THE WORK WHILE ALLOWING FOR CONTINUED USE OF THE REMAINING PORTIONS OF THE STRUCTURE.
 - IF REQUIRED, THE LEVEL BELOW WORK BEING UNDERTAKEN SHALL BE RESERVED FOR THE CONTRACTOR TO PROVIDE A SHORING SYSTEM.
 - THE CONTRACTOR SHALL SUBMIT A SEQUENCED PHASING PLAN BASED ON THE CONSTRUCTION SCHEDULE, OTHER INFORMATION, AND REQUIREMENTS GIVEN IN THE CONSTRUCTION DOCUMENTS, PRIOR TO PROJECT MOBILIZATION. THE CONTRACTOR SHALL FOLLOW THE APPROVED SCHEDULE. REVISIONS MAY BE MADE DURING CONSTRUCTION ONLY WITH COORDINATION AND APPROVAL WITH THE CONSULTANT AND THE OWNER. ALL WORK EXECUTED DURING A PHASE (INCLUDING, BUT NOT LIMITED TO, CONCRETE POURING, DEBRIS REMOVAL AND COLLECTION, SHORING, SCAFFOLDING, ETC) SHALL BE CONFINED TO THE DESIGNATED WORK AREA FOR THAT PHASE.
 - AREAS OPEN TO FOOT TRAFFIC UNDER PHASED WORK SHALL HAVE PROPER OVERHEAD PROTECTION INSTALLED. THE CONTRACTOR SHALL SUBMIT A METHOD TO MAINTAIN THE TRAFFIC FLOW THROUGH THIS AREA FOR APPROVAL PRIOR TO THE INSTALLATION OF ANY TEMPORARY PARTITIONS.
 - WHERE REQUIRED, THE DESIGN, INSTALLATION AND MAINTENANCE OF ALL TEMPORARY PARTITIONS IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT PEDESTRIANS.

- GENERAL/SPECIAL CONDITIONS**
- THE CONTRACTOR SHALL COORDINATE STREET & PEDESTRIAN BRIDGE CLOSURES WITH THE OWNER PRIOR TO WORK. IT IS THE INTENT FOR PEDESTRIAN BRIDGE TO BE CLOSED TO PEDESTRIAN TRAFFIC DURING PORTION OF WORK RELATED TO BRIDGE STEEL BEARING PLATE REPAIR. THE CONTRACTOR SHALL COORDINATE WITH UNIVERSITY OF LOUISVILLE'S DEPARTMENT OF PUBLIC SAFETY BEFORE CLOSING PEDESTRIAN BRIDGE. IT IS THE PREFERENCE OF THE OWNER THAT ANY WORK REQUIRING CLOSURE OF PEDESTRIAN BRIDGE TO OCCUR BETWEEN 5/22/2025-5/29/2025. CONTRACTOR TO INCLUDE WRITTEN CONFIRMATION OF BRIDGE REPAIR TIMELINE IN BID FORM.
 - CONTRACTOR SHALL INCLUDE QUALIFICATIONS AND DOCUMENTATION OF REFERENCE PROJECTS FOR VERIFICATION OF QUALIFICATIONS. REFER TO SPECIFICATIONS FOR WORK ITEMS REQUIRING CONTRACTOR QUALIFICATIONS, INCLUDING BUT NOT LIMITED TO:
 - 07 57 00 TRAFFIC COATINGS \$1.4E1
 - 03 01 30 MAINTENANCE OF CAST-IN-PLACE CONCRETE \$1.7C1
 - 07 95 00 EXPANSION CONTROL \$1.4A
 - CONTRACTOR SHALL FENCE THE PERIMETER OF THE CONSTRUCTION SITE (10 FEET BOUNDARY EDGE OF WORK ON BOTH SIDES) DURING WORK REQUIRING FULL BRIDGE CLOSURE. DURING PORTION OF THE WORK REQUIRING FULL BRIDGE CLOSURE, THE CONTRACTOR SHALL ENSURE THAT ANY ACCESS TO THE PEDESTRIAN BRIDGE IS SECURED AT THE END OF EVERY DAY. THIS INCLUDES BUT NOT LIMITED TO: CONSTRUCTION FENCE GATES, STAIR/BRIDGE ACCESS, ELEVATOR ACCESS, ETC.

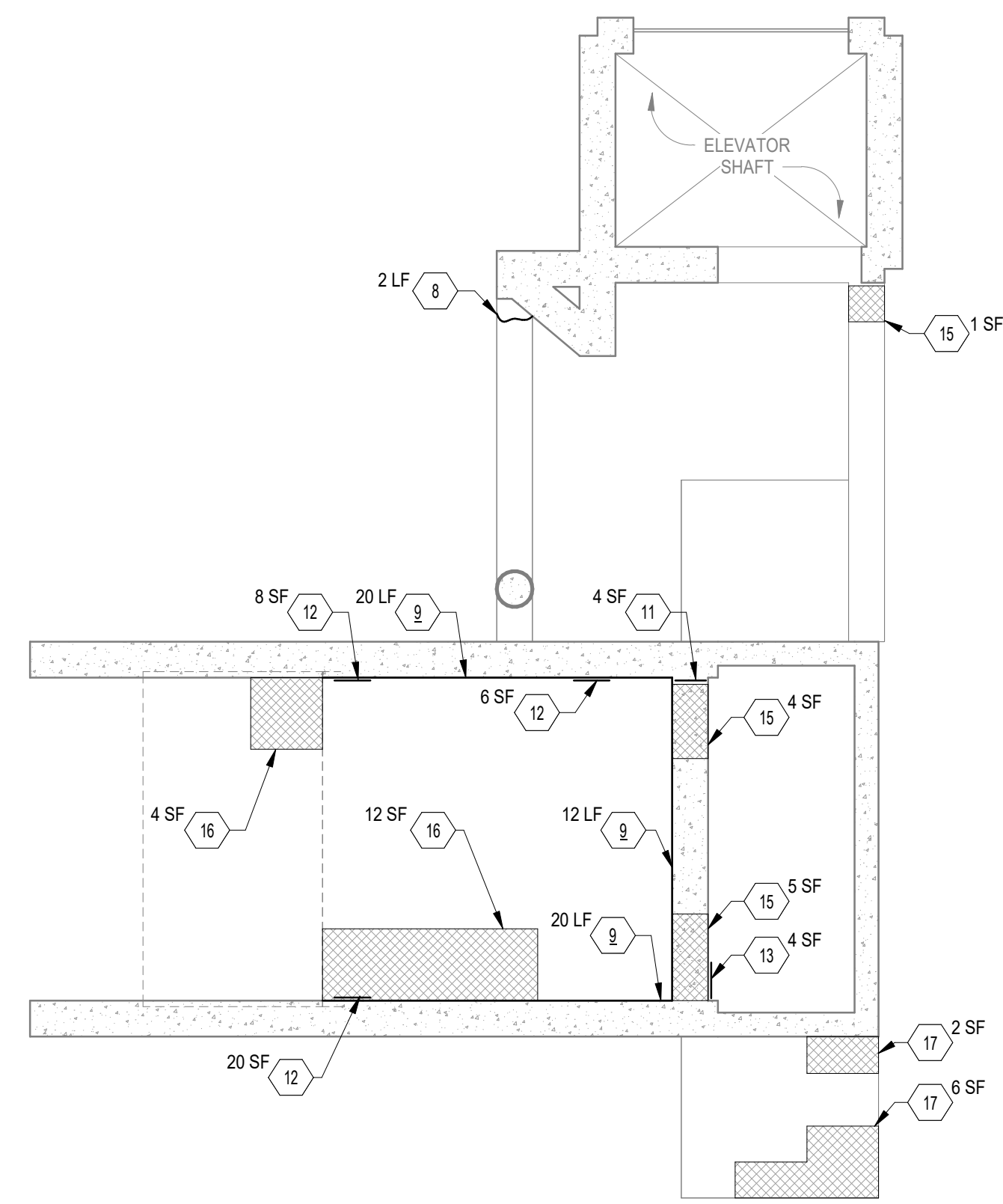
MATERIAL LEGEND



STRUCTURAL ABBREVIATIONS

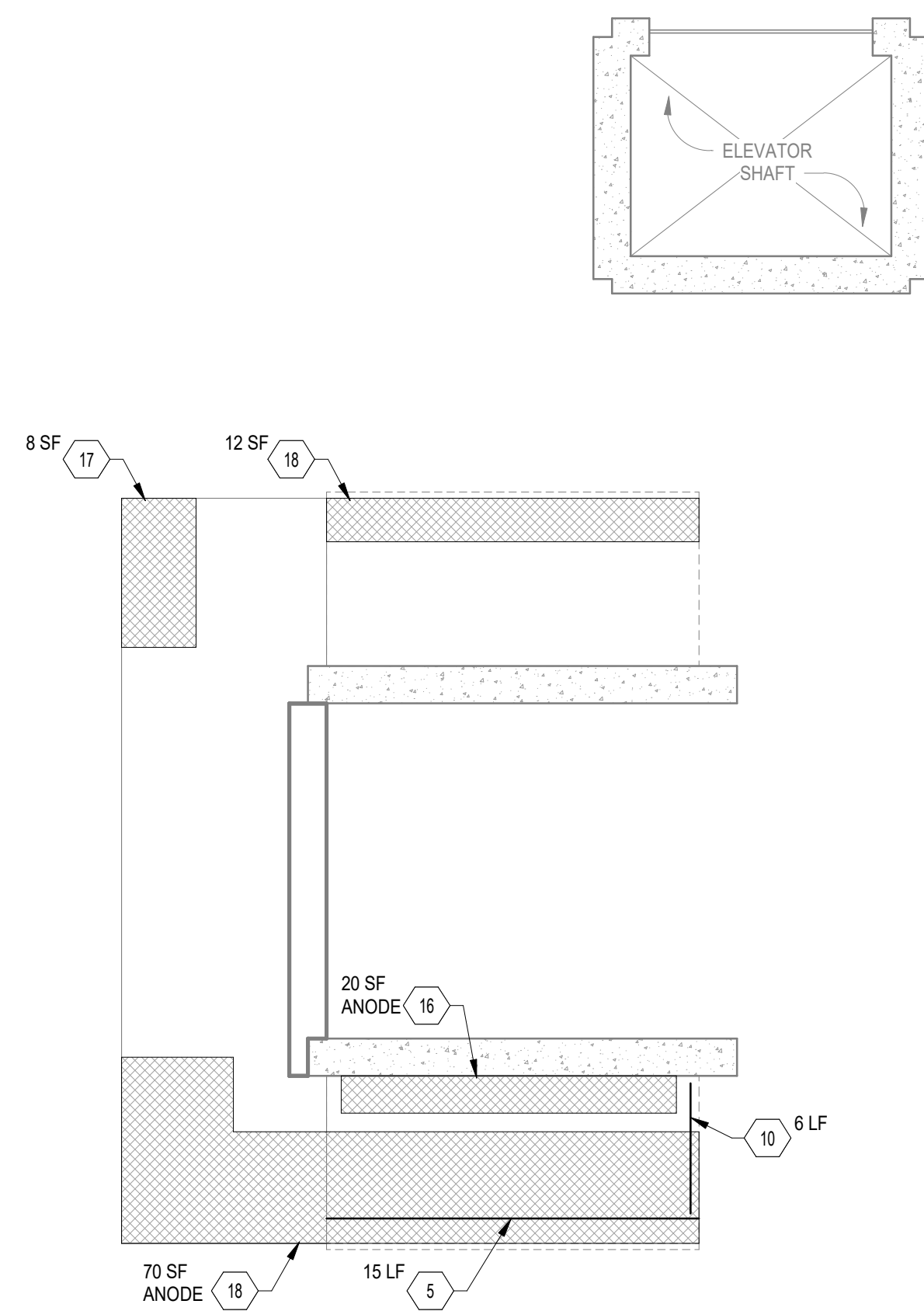
APA	AMERICAN PLYWOOD ASSOCIATION	GLULAM	GLUED-LAMINATED TIMBER
ARCH	ARCHITECTURAL	HORIZ	HORIZONTAL
B.L.E.	BRICK LEDGE ELEVATION	HSS	HOLLOW STRUCTURAL SECTION
BOT	BOTTOM	I.C.F.	INSULATED CONCRETE FORM
BTWN	BETWEEN	LBS	POUNDS
CANT	CANTILEVER BEAM	L.D.H.	LONG DIMENSION HORIZONTAL
C.F.S.	COLD-FORMED STEEL	L.D.V.	LONG DIMENSION VERTICAL
C.I.P.	CAST-IN-PLACE	LVL	LAMINATED VENEER LUMBER
CJP	COMPLETE JOINT PENETRATION	MANUF	MANUFACTURER
CLR	CLEAR	MAX	MAXIMUM
C.L.T.	CROSS-LAMINATED TIMBER	MECH	MECHANICAL
C.M.U.	CONCRETE MASONRY UNIT	M.E.P.	MECHANICALELECTRICALPLUMBING
COL	COLUMN	MIN	MINIMUM
CONC	CONCRETE	N.I.C.	NOT IN CONTRACT
CONT	CONTINUOUS	N.S.	NEAR SIDE
D	DETAIL	N.T.S.	NOT TO SCALE
DET	DETAIL	O.C.	ON CENTER
D.G.A.	DENSE GRADED AGGREGATE	O.P.H.	OPPOSITE HAND
DWGS	DRAWINGS	P.A.F.	POWDER ACTUATED FASTENER
EA	EACH	P.E.M.B.	PRE-ENGINEERED METAL BUILDING
E.F.	EACH FACE	PJP	PARTIAL JOINT PENETRATION
ELEV	ELEVATION	PL	PLATE
EMBED	MINIMUM EMBEDMENT DEPTH INTO SUBSTRATE	P.T.	PRESERVATIVE-TREATED
E.O.R.	ENGINEER OF RECORD	R	RADIUS
E.O.S.	EDGE OF SLAB	REINF	REINFORCEMENT
E.W.	EACH WAY	R.T.U.	ROOF TOP UNIT (MECHANICAL)
EX	EXISTING	S.C.	SLIP CRITICAL
EXP	EXPANSION	SIM	SIMILAR
F.F.E.	FINISHED FLOOR ELEVATION	S.O.G.	SLAB ON GRADE
F.R.C.	FIBER REINFORCED CONCRETE	SP	COLUMN SPLICE
F.R.P.	FIBER REINFORCED POLYMER	S.S.	STAINLESS STEEL
F.R.T.	FIRE RESISTANCE TREATED	STD	STANDARD
F.S.	FAR SIDE	TYP	TYPICAL
FTG	FOOTING	U.N.O.	UNLESS NOTED OTHERWISE
F.V.	FIELD VERIFY	VERT	VERTICAL
GA	GAUGE	W	WIDE
GALV	GALVANIZED	W.W.F.	WELDED WIRE FABRIC
		Z.R.P.	ZINC-RICH PRIMED

BELKNAP PEDESTRIAN BRIDGE REPAIR			
NO.	DESCRIPTION	DATE	DRAWING NO.
AS BUILT DATE			
DRAWN BY MDA	GENERAL NOTES UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY		S1.1
CHECKED BY JST/JAB			
DATE 2/21/25	BROWN+KUBICAN STRUCTURAL ENGINEERS <small>8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com</small>		BK PROJECT # 24252
			ENGR. FILE NO. -
AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY		DATE
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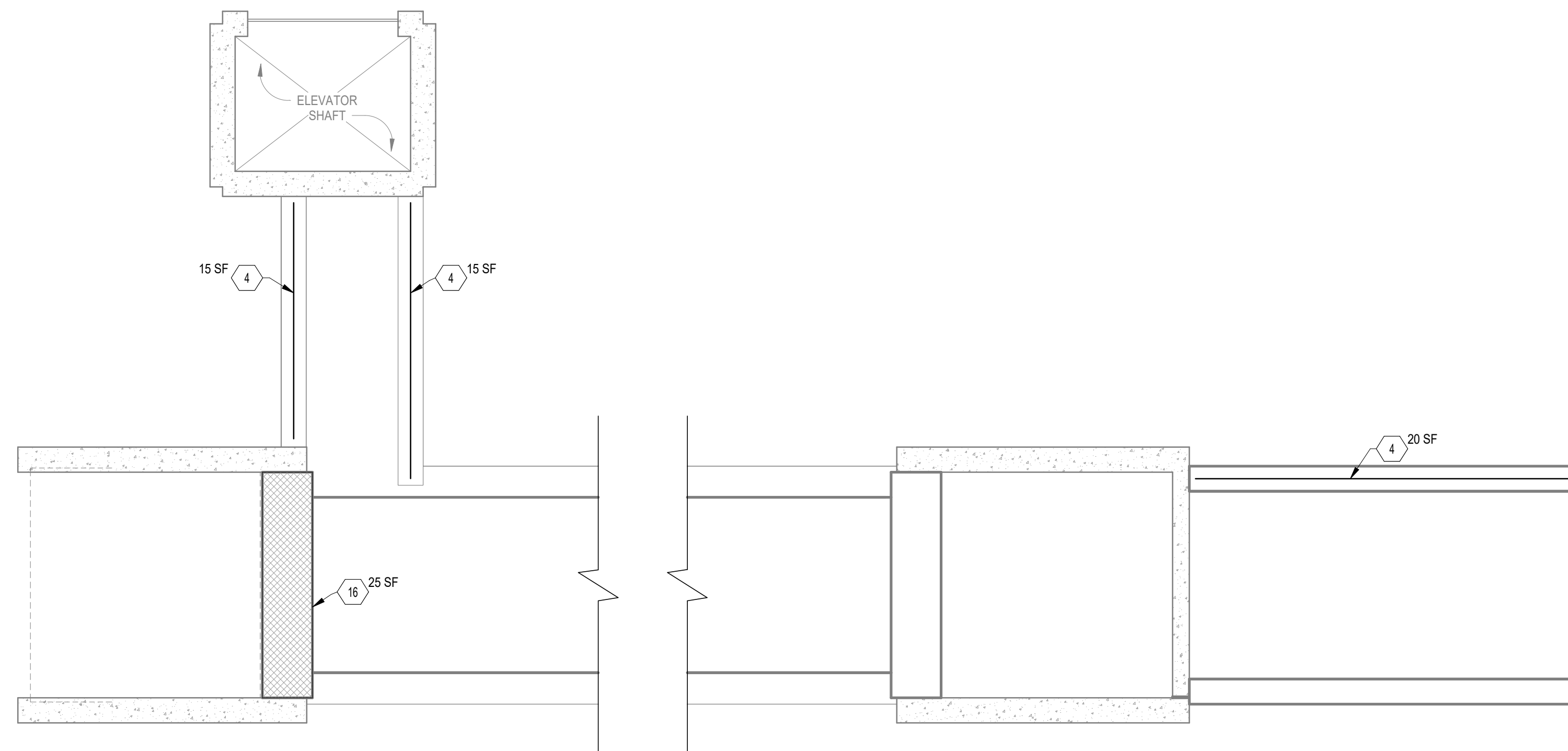
**LEVEL 1 LANDING REFLECTED CEILING PLAN
(WEST TOWER)**

A
S2.2
1/4" = 1'-0"



**LEVEL 2 LANDING REFLECTED CEILING PLAN
(WEST TOWER)**

B
S2.2
1/4" = 1'-0"



LEVEL 3 REFLECTED CEILING PLAN

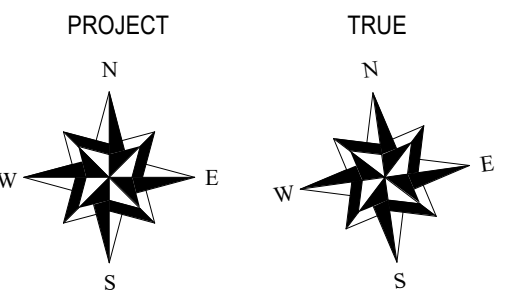
E
S2.2
1/4" = 1'-0"

LEGEND

- = COMPLETE SURFACE COATING (STAIRS)
- = COMPLETE SURFACE COATING (SLAB)
- = CONCRETE PATCH REPAIR

DISCLAIMER:
EXISTING PLAN BACKGROUNDS ARE TAKEN FROM
SENLER, CAMPBELL, AND ASSOCIATES DRAWINGS DATED 1/9/86
(PEDESTRIAN OVERPASS REBUILD).
EXISTING PLANS HAVE NOT BEEN CONFIRMED TO
REPRESENT ACTUAL FIELD CONDITIONS.

CONTRACTOR TO VERIFY ALL
DIMENSIONS IN THE FIELD.



NO.	DESCRIPTION	DATE

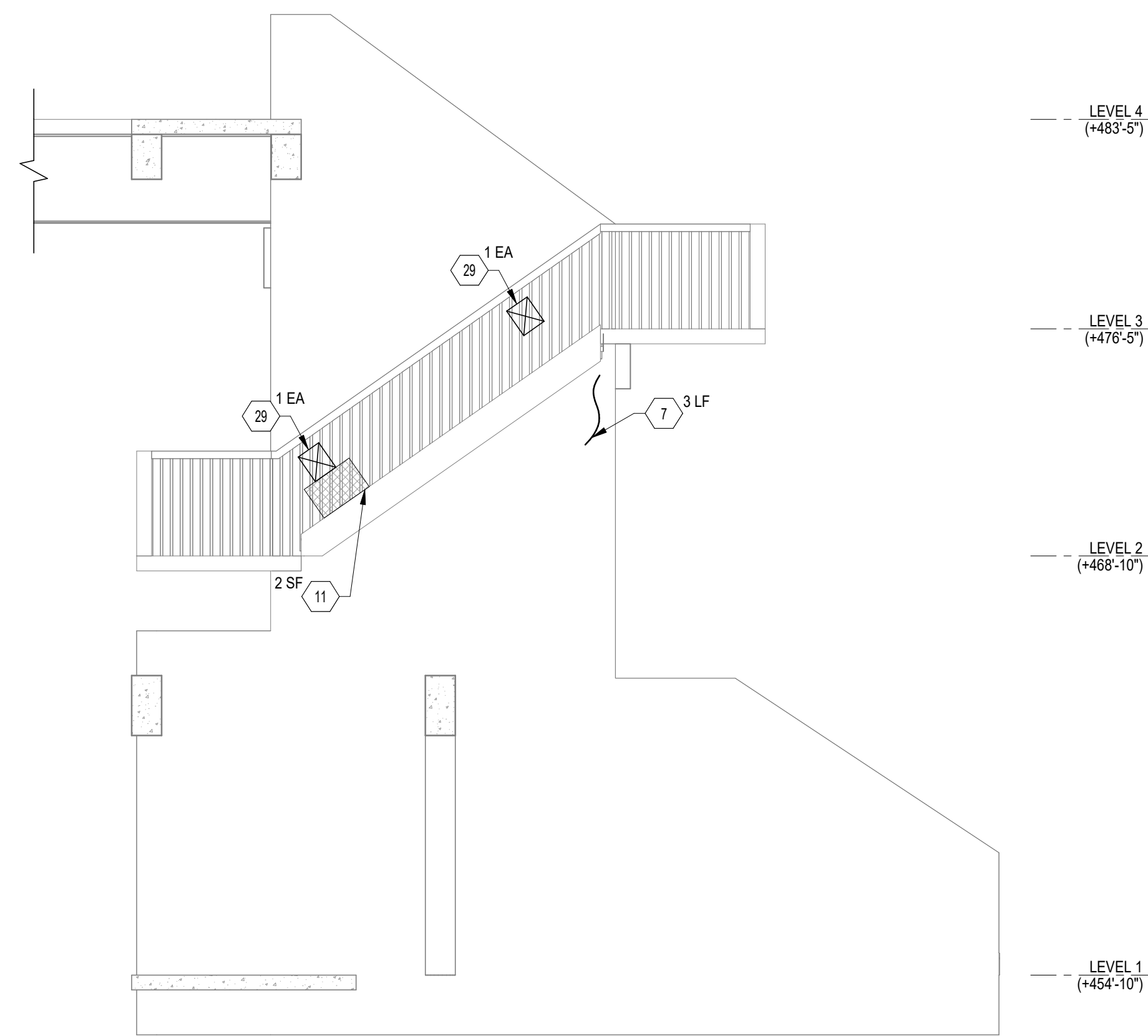
BELKNAP PEDESTRIAN BRIDGE REPAIR

AS BUILT DATE	-	DRAWING NO.	S2.2
DRAWN BY	MDA	BK PROJECT #	24252
CHECKED BY	JST/JAB	ENGR. FILE NO.	-
DATE	2/21/25	 BROWN+KUBICAN STRUCTURAL ENGINEERS <small>8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com</small>	

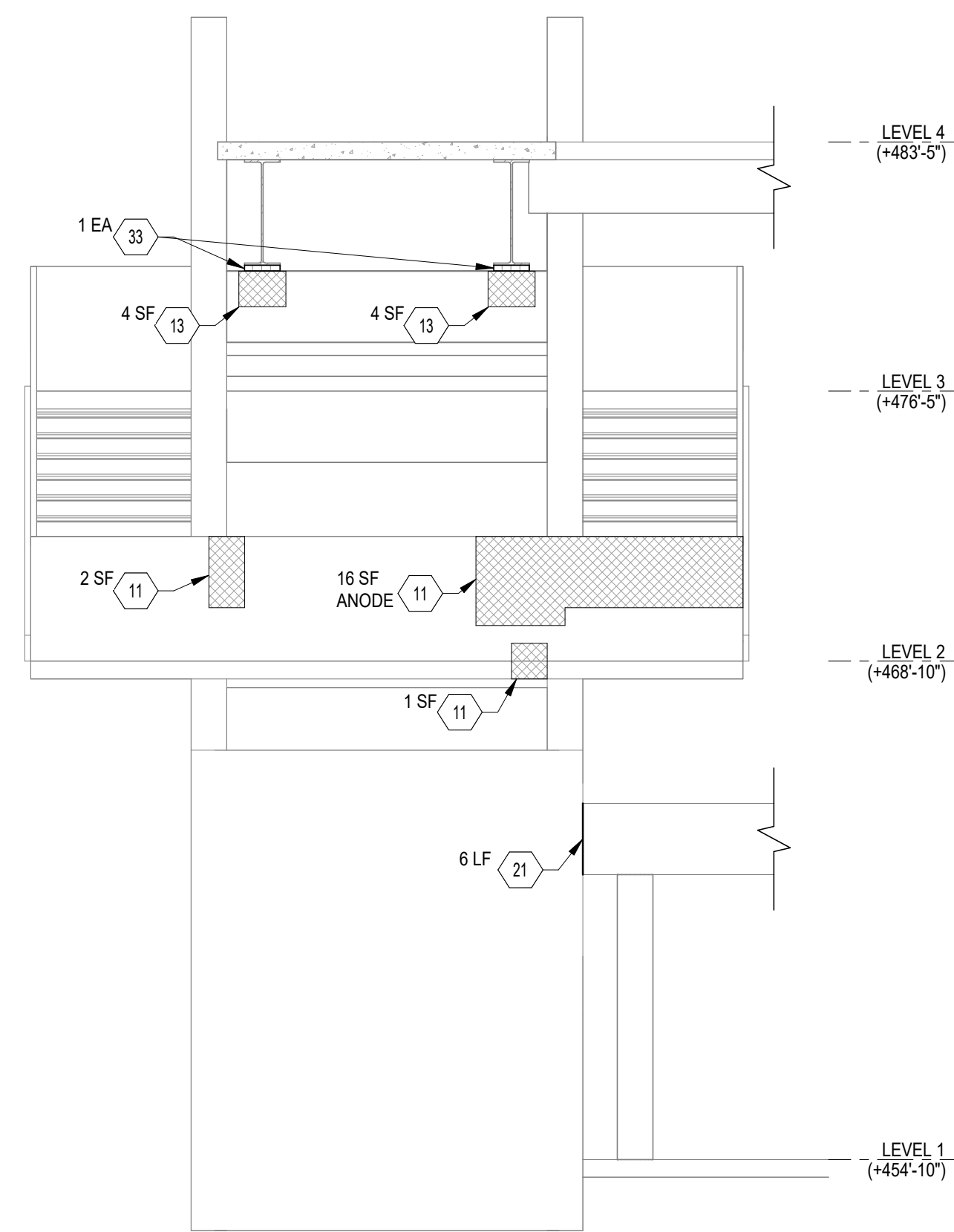
STATE OF KENTUCKY

 JASON ALLEN BUSK
 LICENSED PROFESSIONAL ENGINEER
 ©BROWN + KUBICAN, PSC
 2-21-25

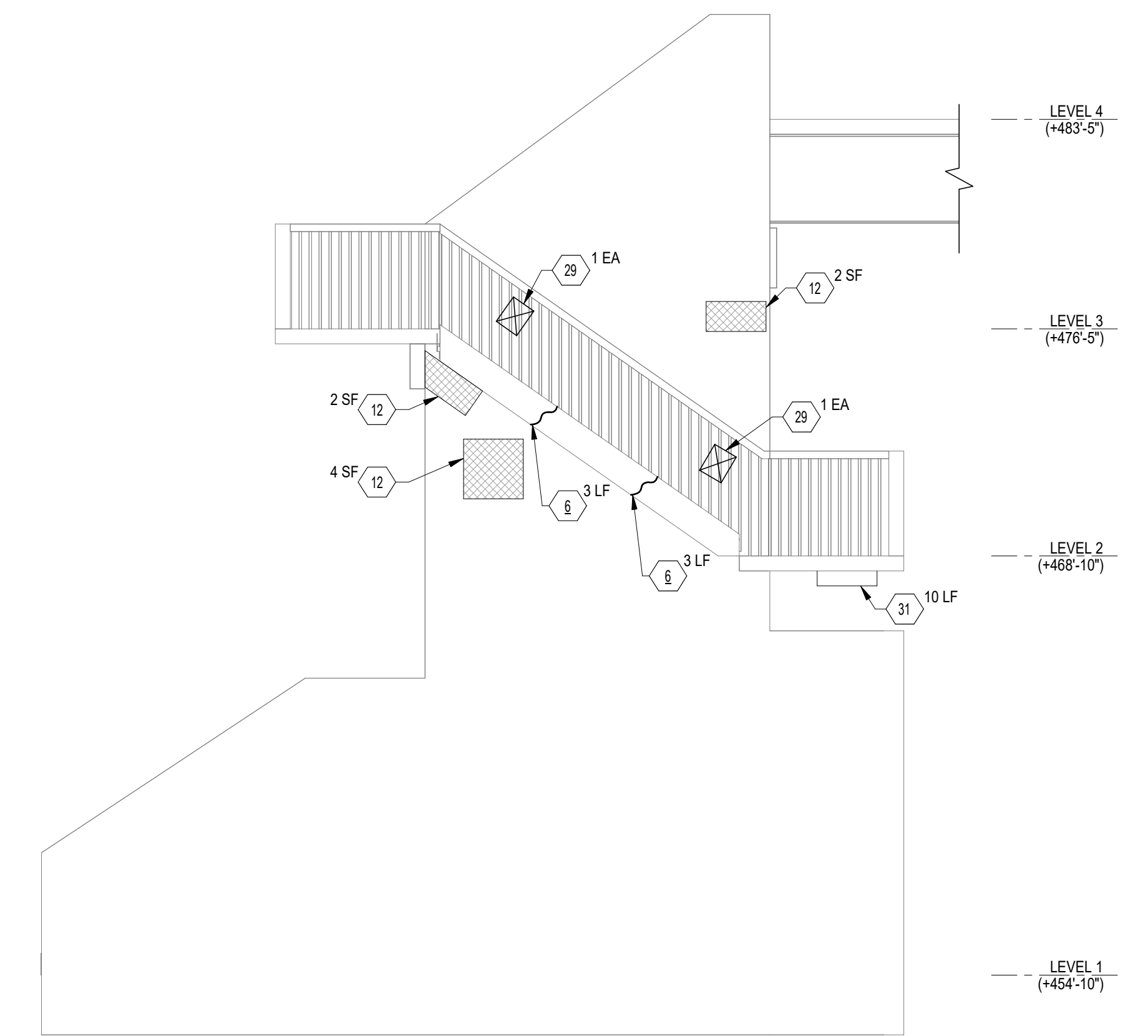
AGENCY AUTHORIZED AGENT _____ APPROVED FOR PROGRAM CONCEPT ONLY _____ DATE _____



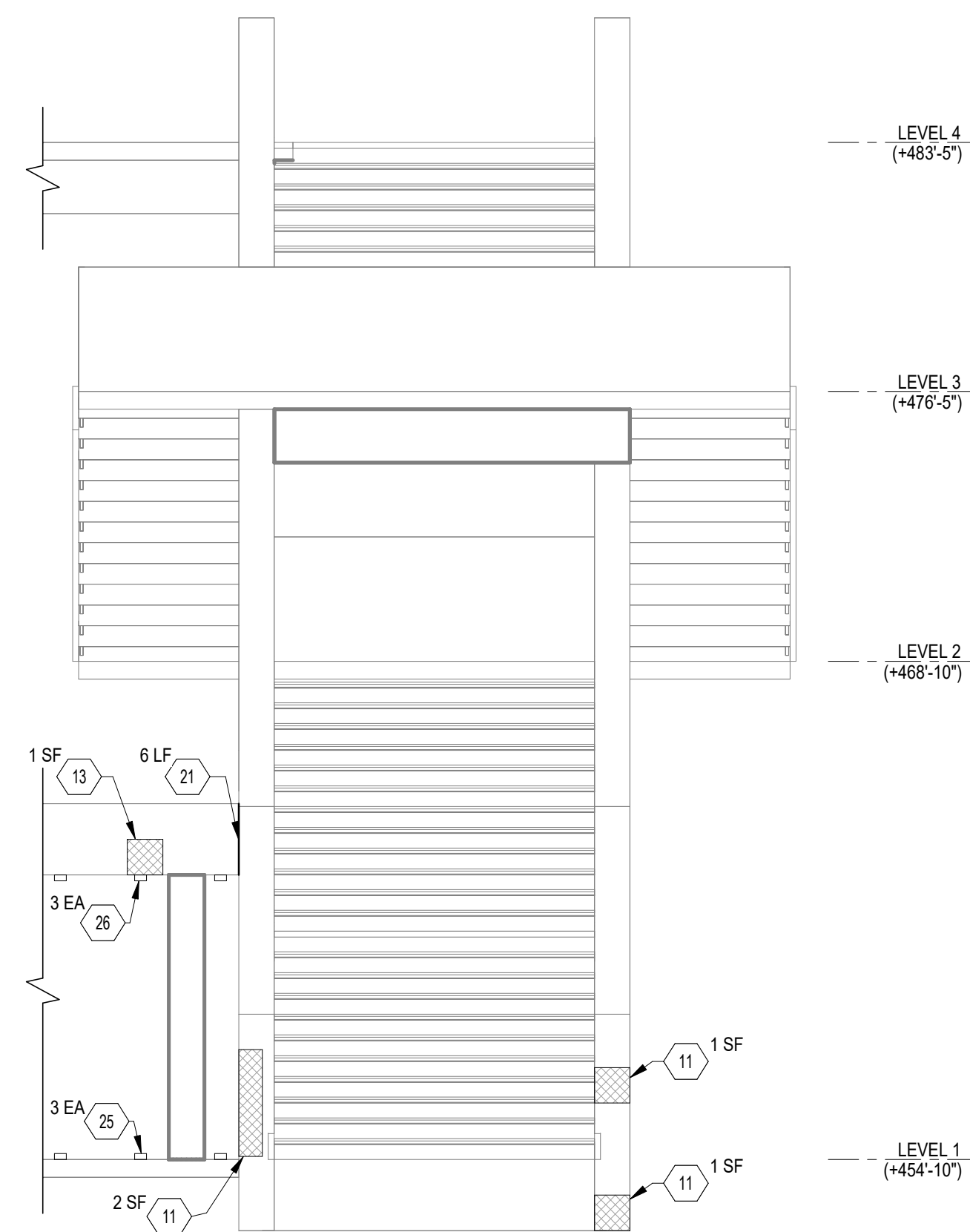
A
S2.3
1/4" = 1'-0"
NORTH ELEVATION (WEST TOWER) - LOOKING SOUTH



B
S2.3
1/4" = 1'-0"
EAST ELEVATION (WEST TOWER) - LOOKING WEST



C
S2.3
1/4" = 1'-0"
SOUTH ELEVATION (WEST TOWER) - LOOKING NORTH



D
S2.3
1/4" = 1'-0"
WEST ELEVATION (WEST TOWER) - LOOKING EAST

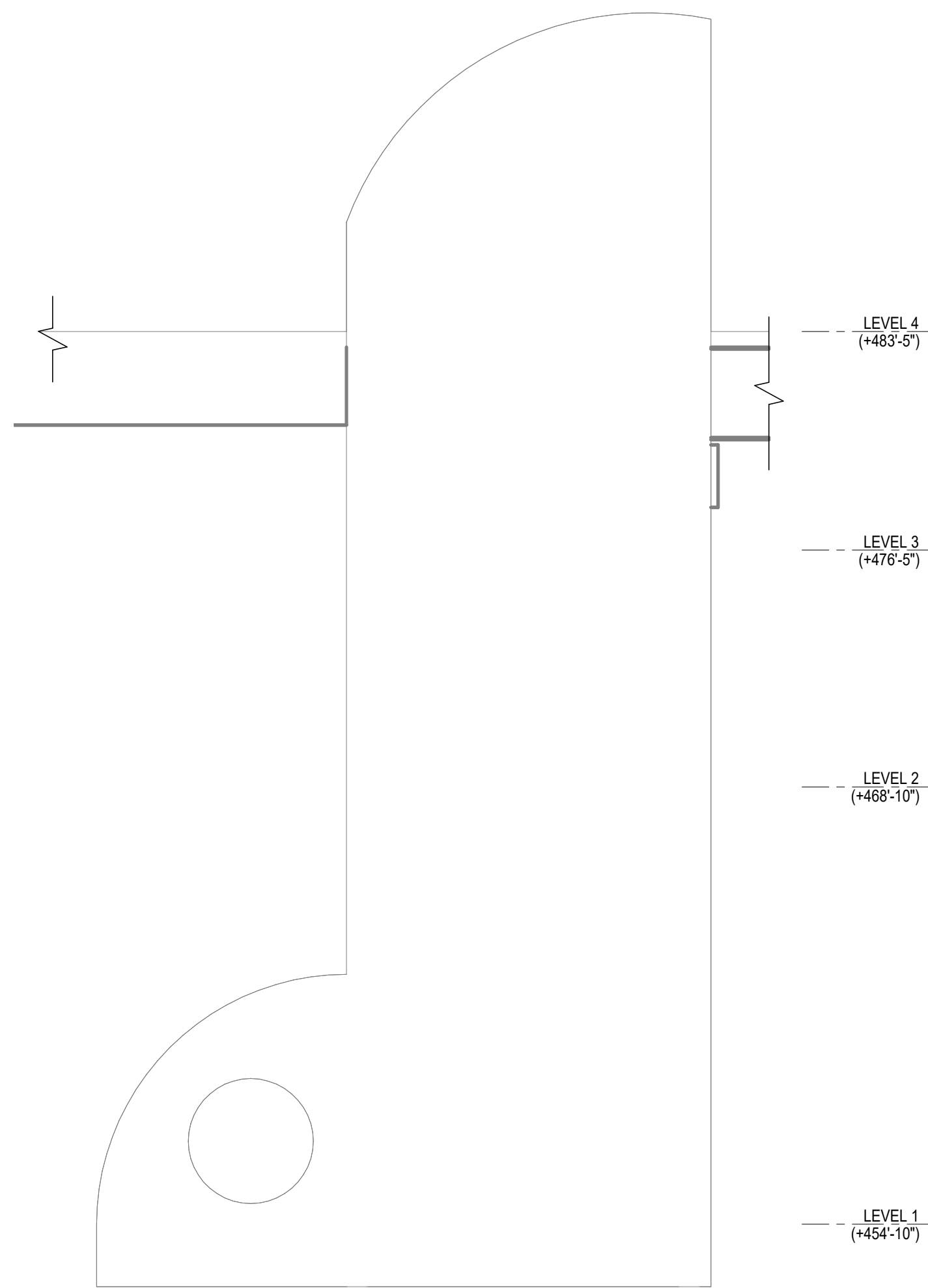
LEGEND

- = COMPLETE SURFACE COATING (STAIRS)
- = COMPLETE SURFACE COATING (SLAB)
- = CONCRETE PATCH REPAIR

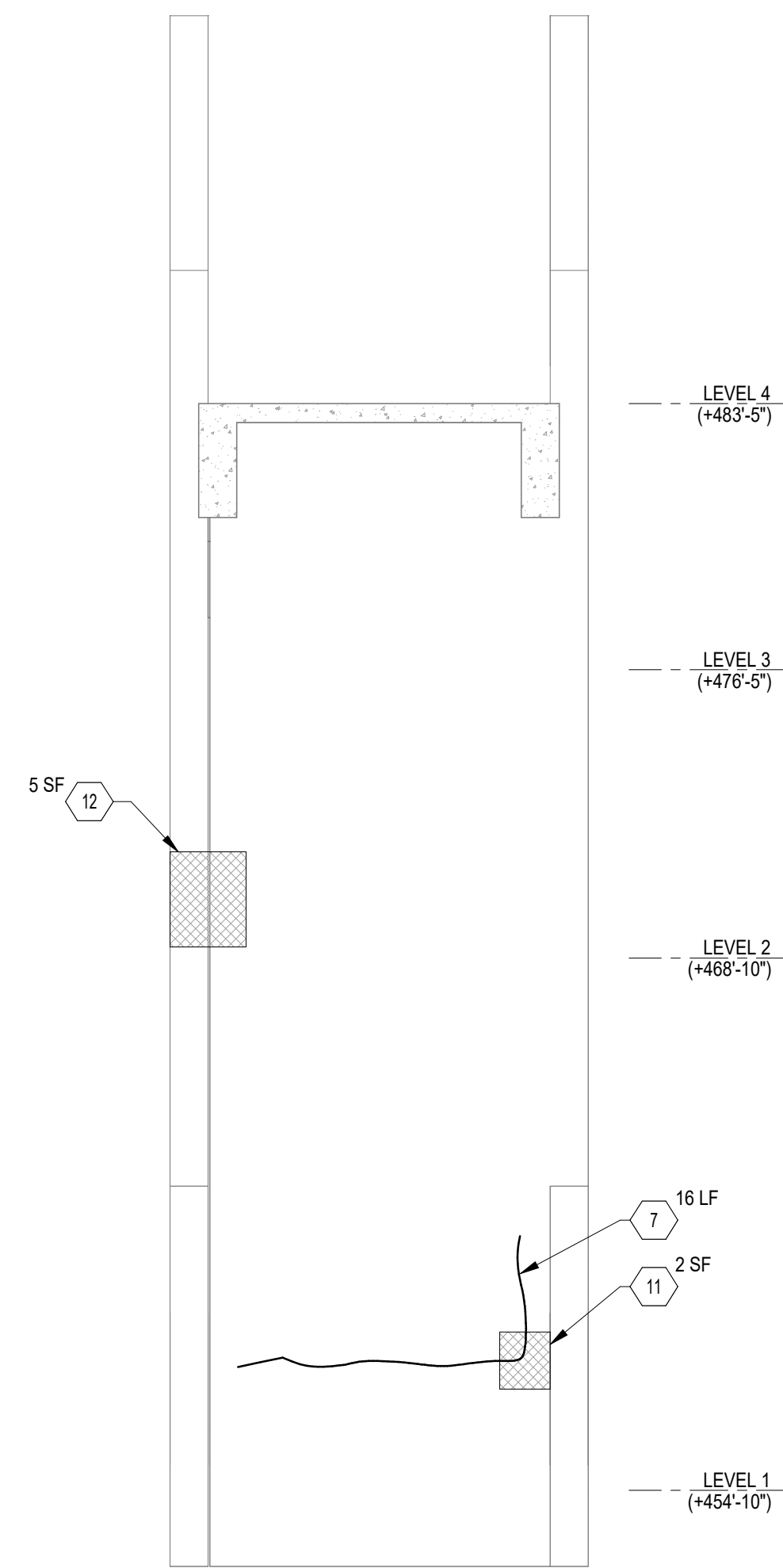
DISCLAIMER:
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SENLER, CAMPBELL, AND ASSOCIATES DRAWINGS DATED 1/9/86
(PEDESTRIAN OVERPASS REBUILD).
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CONTRACTOR TO VERIFY ALL
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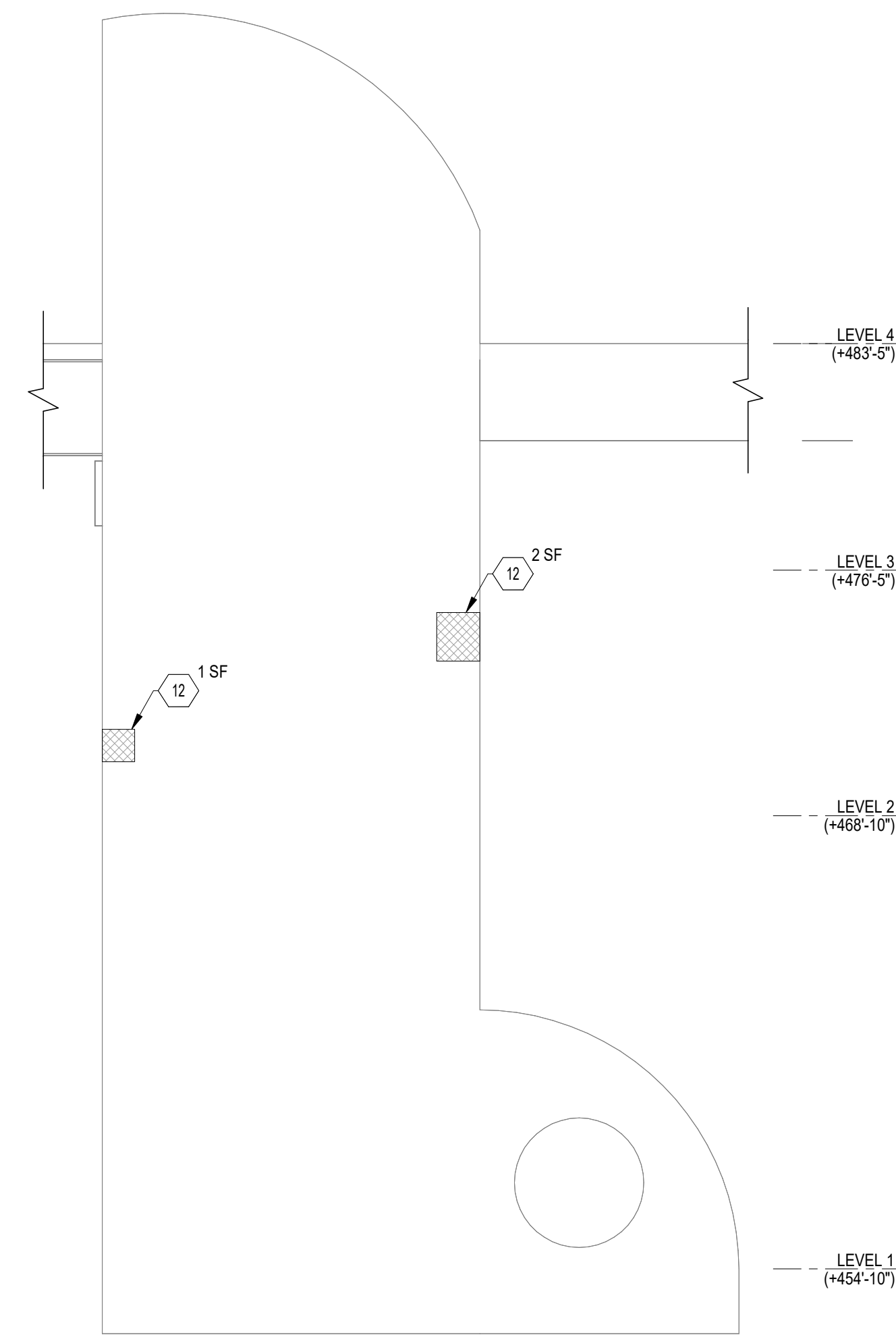
NO.			DESCRIPTION			DATE		
BELKNAP PEDESTRIAN BRIDGE REPAIR								
AS BUILT DATE			WEST TOWER ELEVATIONS			DRAWING NO.		
DRAWN BY MDA			UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY			S2.3		
CHECKED BY JST/JAB								
DATE 2/21/25			BROWN+KUBICAN STRUCTURAL ENGINEERS 8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com			BK PROJECT # 24252		
AGENCY AUTHORIZED AGENT			APPROVED FOR PROGRAM CONCEPT ONLY			ENGR. FILE NO. -		
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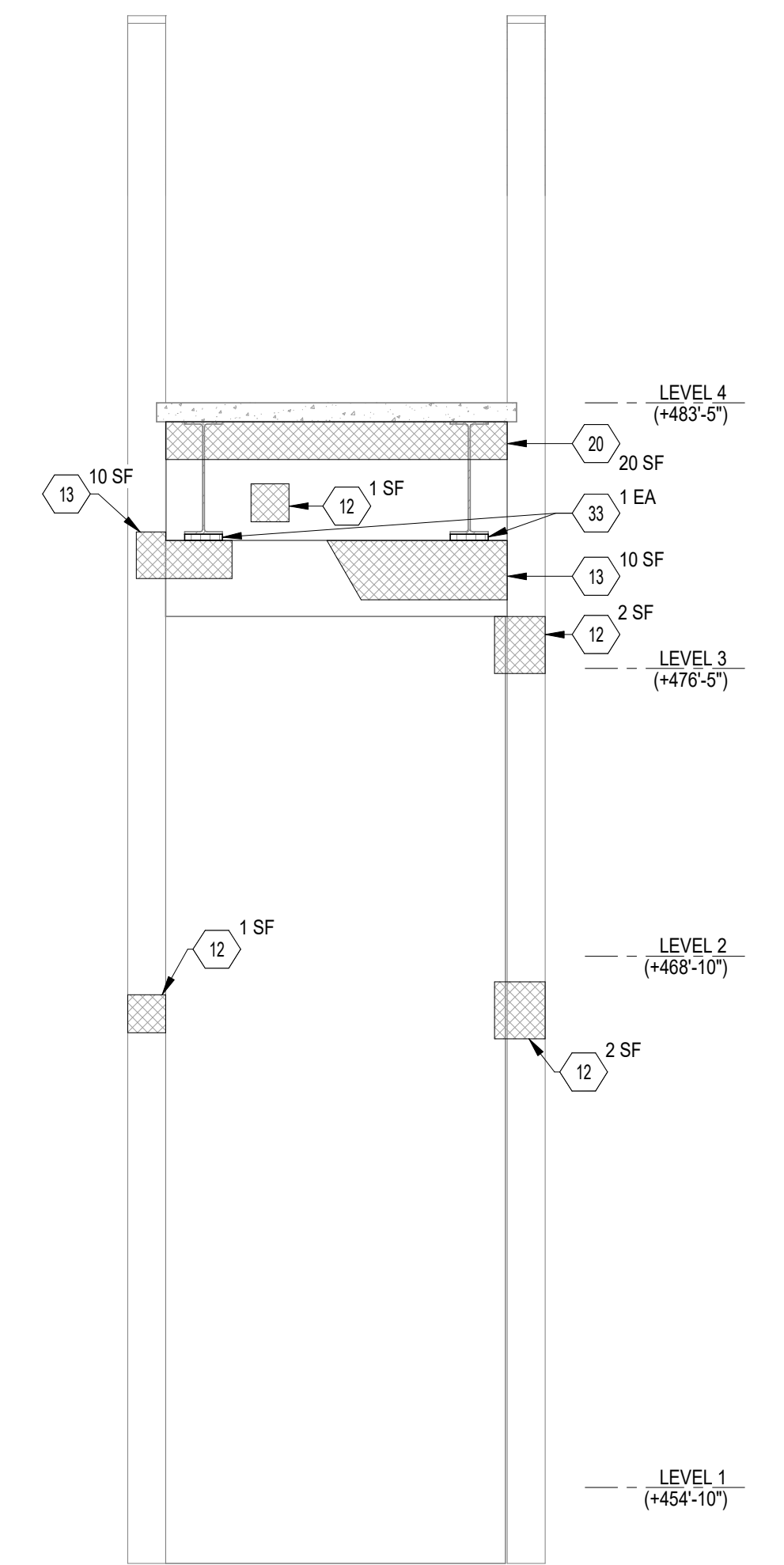
A NORTH ELEVATION (EAST TOWER) - LOOKING SOUTH
S2.5 1/4" = 1'-0"



B EAST ELEVATION (EAST TOWER) - LOOKING WEST
S2.5 1/4" = 1'-0"



C SOUTH ELEVATION (EAST TOWER) - LOOKING NORTH
S2.5 1/4" = 1'-0"



D WEST ELEVATION (EAST TOWER) - LOOKING EAST
S2.5 1/4" = 1'-0"

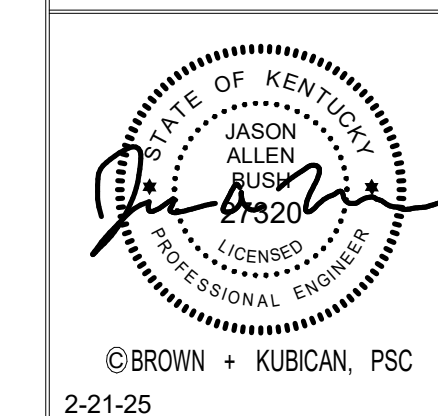
LEGEND

- = COMPLETE SURFACE COATING (STAIRS)
- = COMPLETE SURFACE COATING (SLAB)
- = CONCRETE PATCH REPAIR

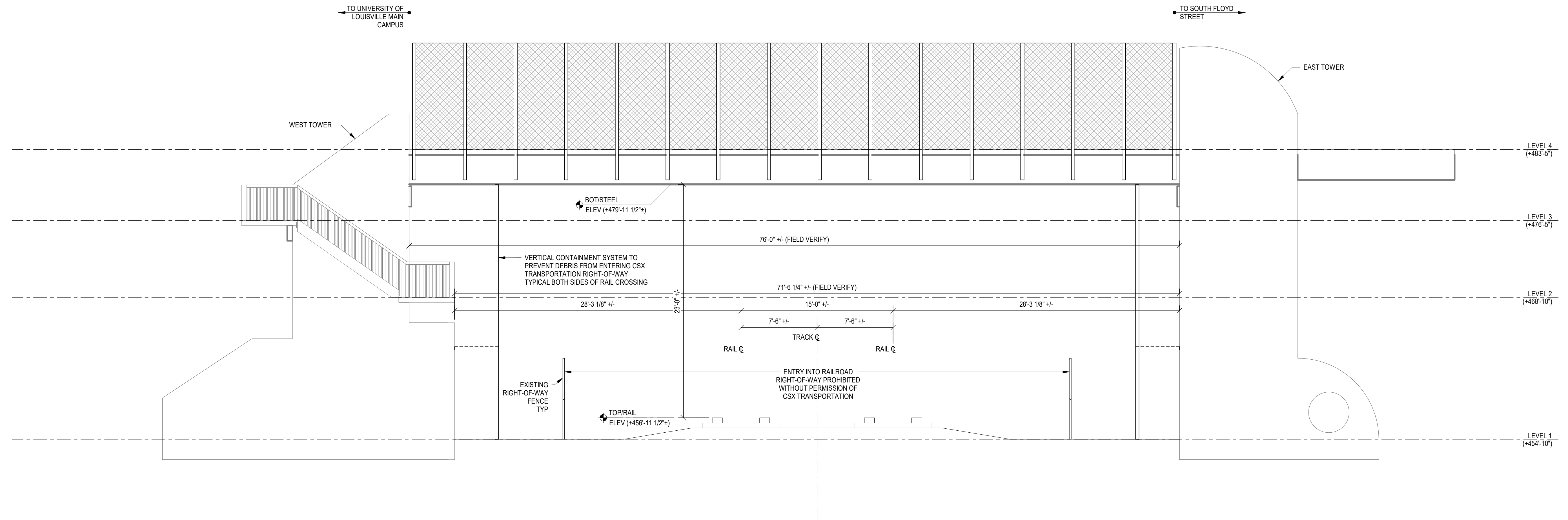
DISCLAIMER:
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SENLER, CAMPBELL, AND ASSOCIATES DRAWINGS DATED 1/9/86
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REPRESENT ACTUAL FIELD CONDITIONS.

CONTRACTOR TO VERIFY ALL
DIMENSIONS IN THE FIELD.

NO.	DESCRIPTION	DATE



BELKNAP PEDESTRIAN BRIDGE REPAIR		
AS BUILT DATE	EAST TOWER ELEVATIONS	DRAWING NO.
DRAWN BY MDA	UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY	S2.5
CHECKED BY JST/JAB	 BROWN+KUBICAN STRUCTURAL ENGINEERS <small>8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com</small>	BK PROJECT # 24252
DATE 2/21/25		ENGR. FILE NO. -
AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY	DATE



A
S2.6 SOUTH ELEVATION (LOOKING NORTH)
3/16" = 1'-0"

LEGEND

- = COMPLETE SURFACE COATING (STAIRS)
- = COMPLETE SURFACE COATING (SLAB)
- = CONCRETE PATCH REPAIR

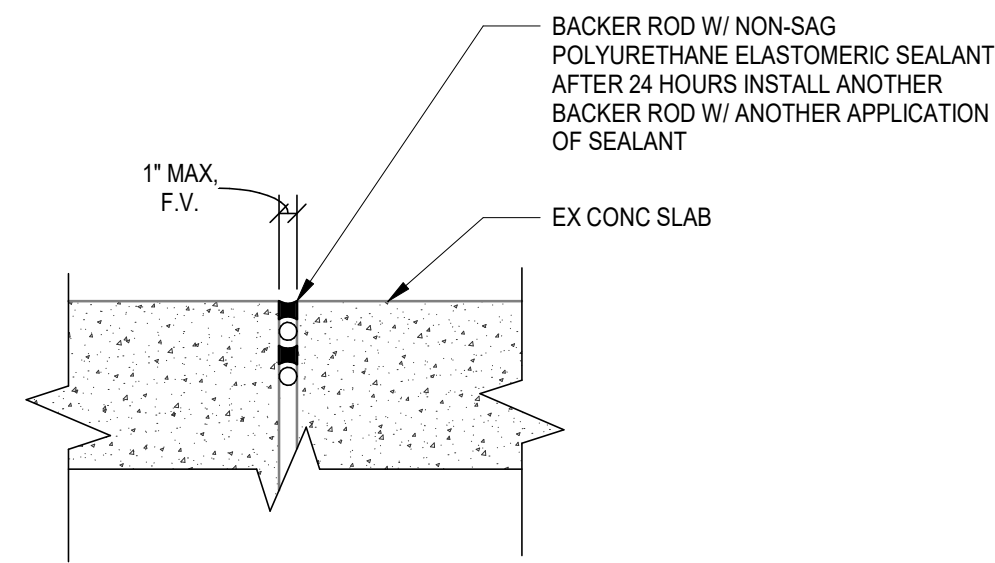
DISCLAIMER:
EXISTING PLAN BACKGROUNDS ARE TAKEN FROM SENLER, CAMPBELL, AND ASSOCIATES DRAWINGS DATED 1/9/86 (PEDESTRIAN OVERPASS REBUILD). EXISTING PLANS HAVE NOT BEEN CONFIRMED TO REPRESENT ACTUAL FIELD CONDITIONS.

CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.

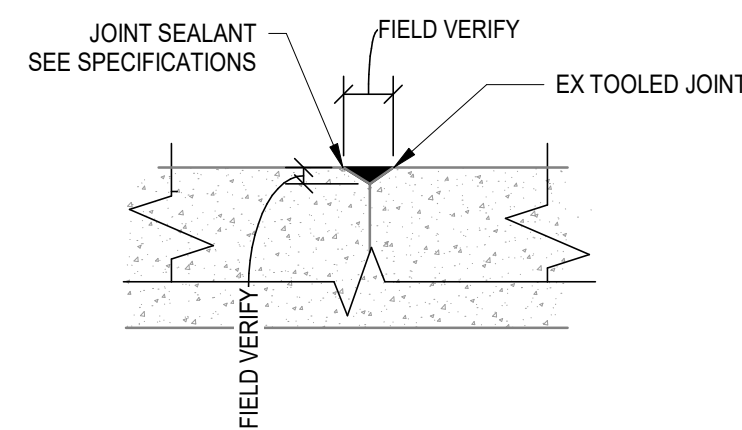
NO.			DESCRIPTION			DATE		

BELKNAP PEDESTRIAN BRIDGE REPAIR			
AS BUILT DATE	RAILROAD SECTION		DRAWING NO.
DRAWN BY MDA	UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY		S2.6
CHECKED BY JST/JAB	BROWN+KUBICAN STRUCTURAL ENGINEERS 8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com		BK PROJECT # 24252
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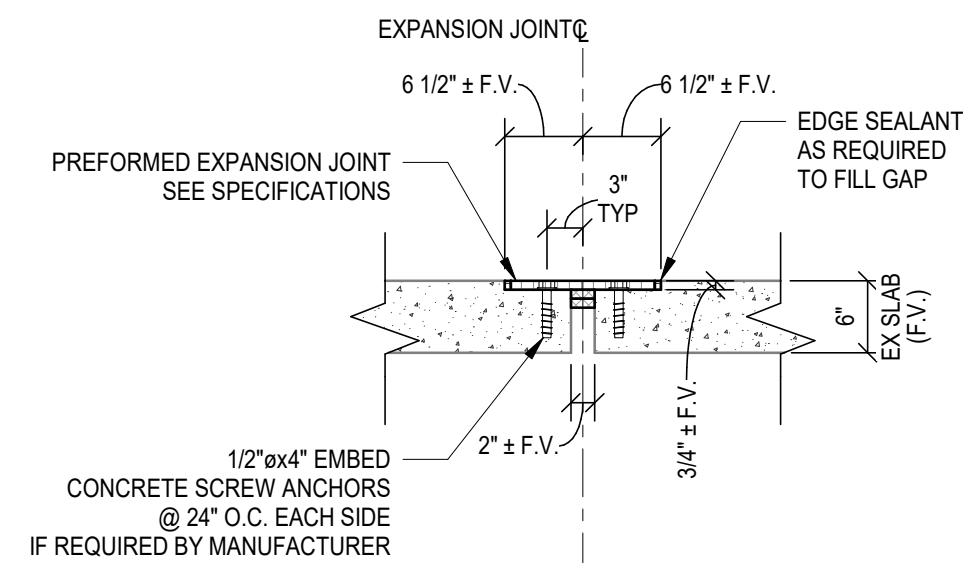
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2-21-25



JOINT REPAIR
@ CAULK JOINT





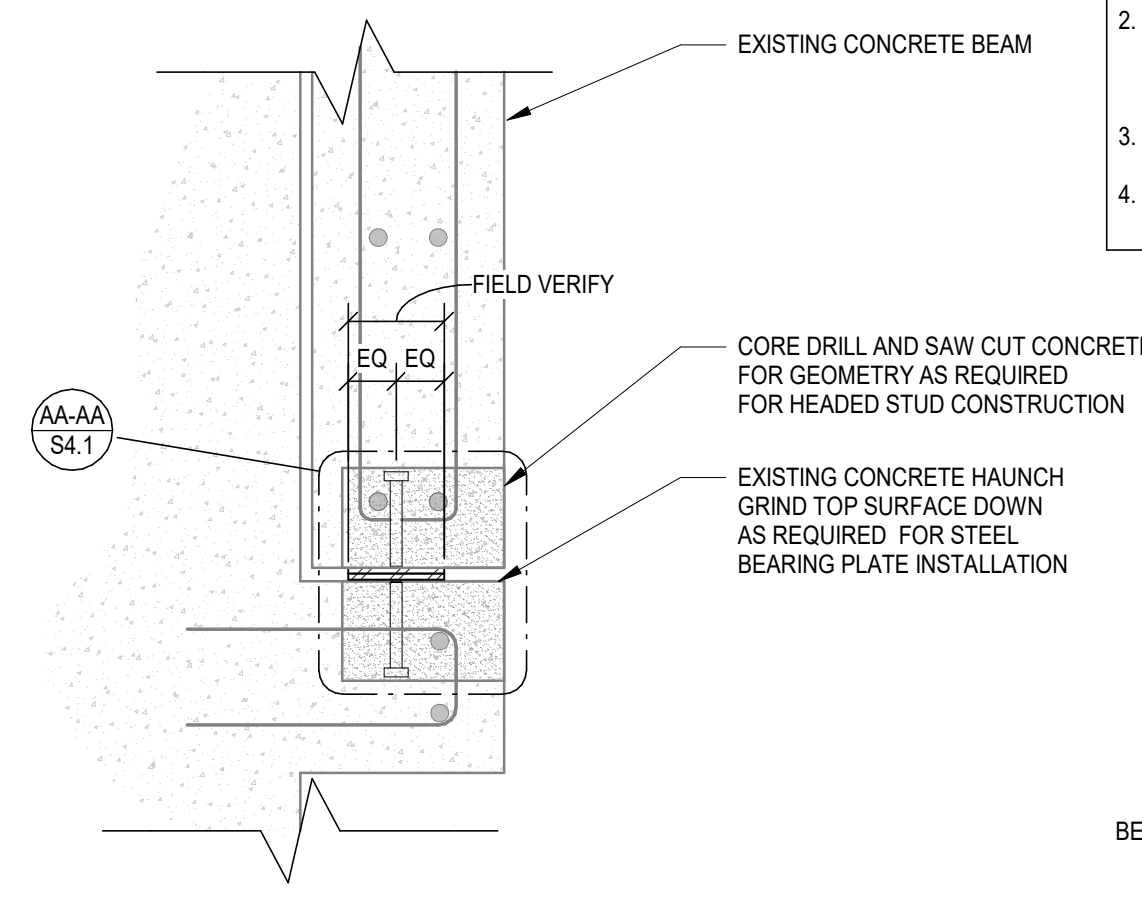
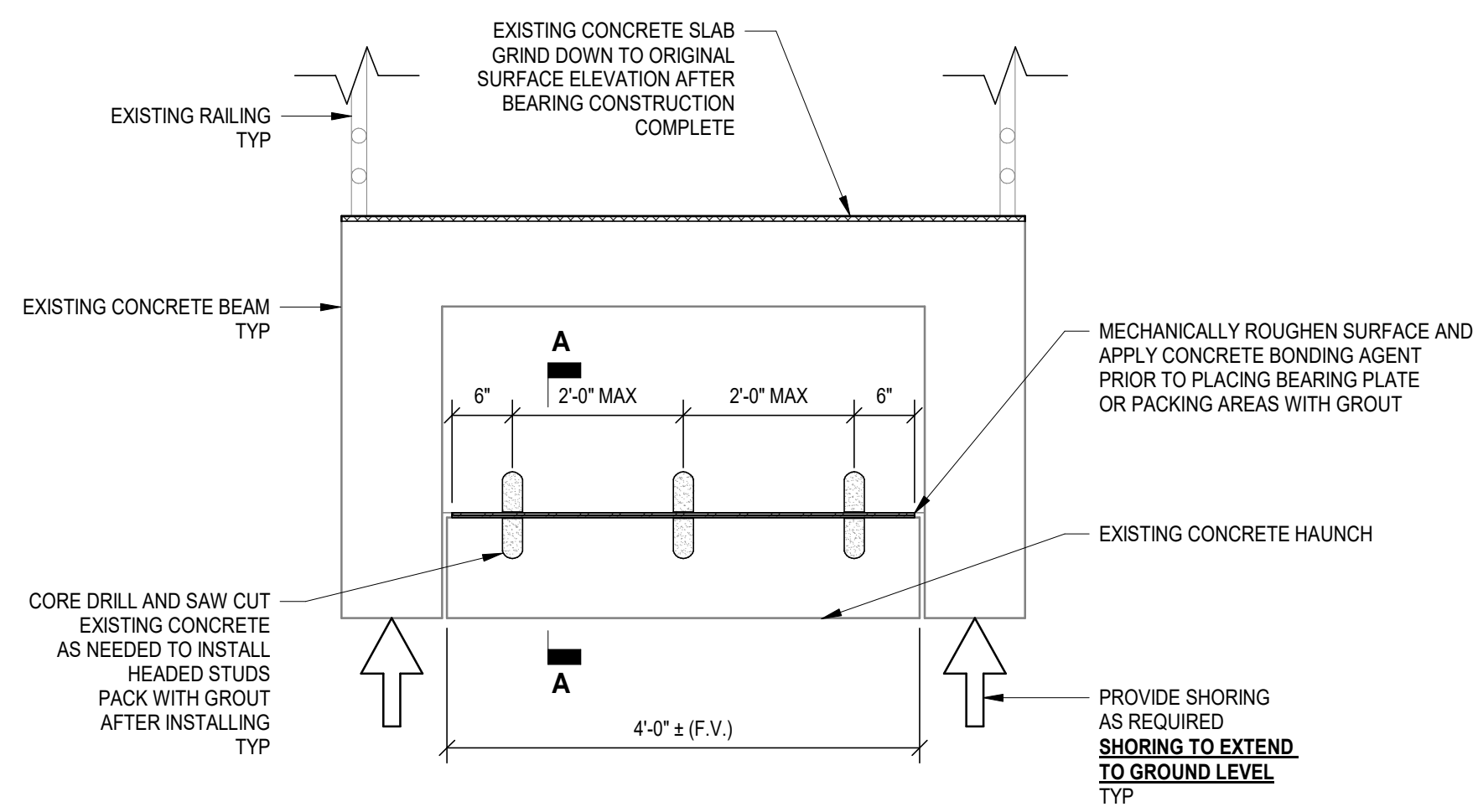
JOINT REPAIR
@ TOOLED JOINT



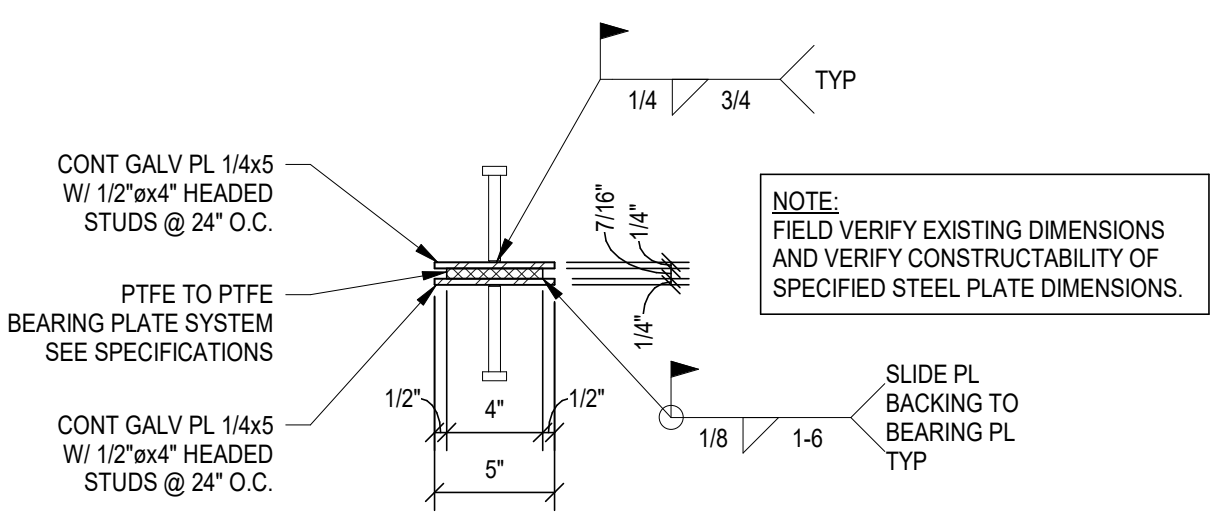
TYPICAL EXPANSION JOINT REPAIR DETAIL
NOT TO SCALE

TYPICAL JOINT REPAIR & SEALANT DETAIL
NOT TO SCALE

NO.			DESCRIPTION			DATE		
BELKNAP PEDESTRIAN BRIDGE REPAIR								
AS BUILT DATE		TYPICAL REPAIR DETAILS				DRAWING NO.		
DRAWN BY MDA		UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY				S3.2		
CHECKED BY JST/JAB								
DATE 2/21/25		 BROWN+KUBICAN STRUCTURAL ENGINEERS <small>8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com</small>				BK PROJECT # 24252		
						ENGR. FILE NO. -		
AGENCY AUTHORIZED AGENT		APPROVED FOR PROGRAM CONCEPT ONLY				DATE		
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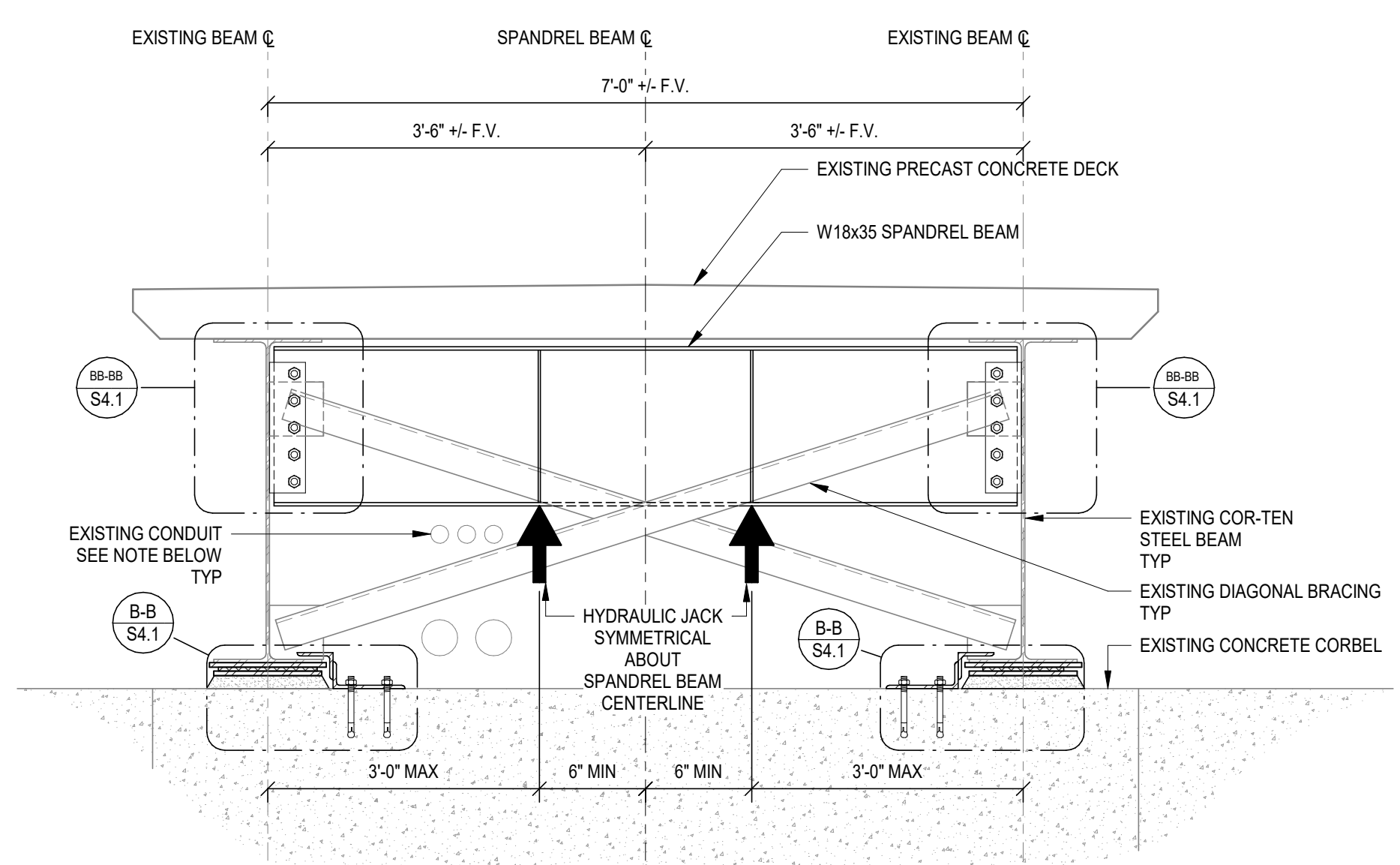
- NOTES:**
1. CONTRACTOR SHALL SCAN FOR REBAR BEFORE INSTALLING HEADED STUDS AND SLIDE BEARING PLATES. DO NOT DAMAGE EXISTING SOUND REBAR DURING BEARING PLATE INSTALLATION.
 2. ENTIRELY REMOVE EXISTING SLIDE BEARING PLATE AND MECHANICALLY ROUGHEN SURFACE AND APPLY CONCRETE BONDING AGENT PRIOR TO INSTALLING NEW SLIDE BEARING PLATE.
 3. HEADED SHEAR STUDS SHALL BE INSTALLED PRIOR TO WELDING TO PLATE.
 4. CONTRACTOR SHALL SUBMIT SLIDE BEARING ASSEMBLY SUBMITTAL TO ENGINEER PRIOR TO INSTALLATION.



SECTION A-A

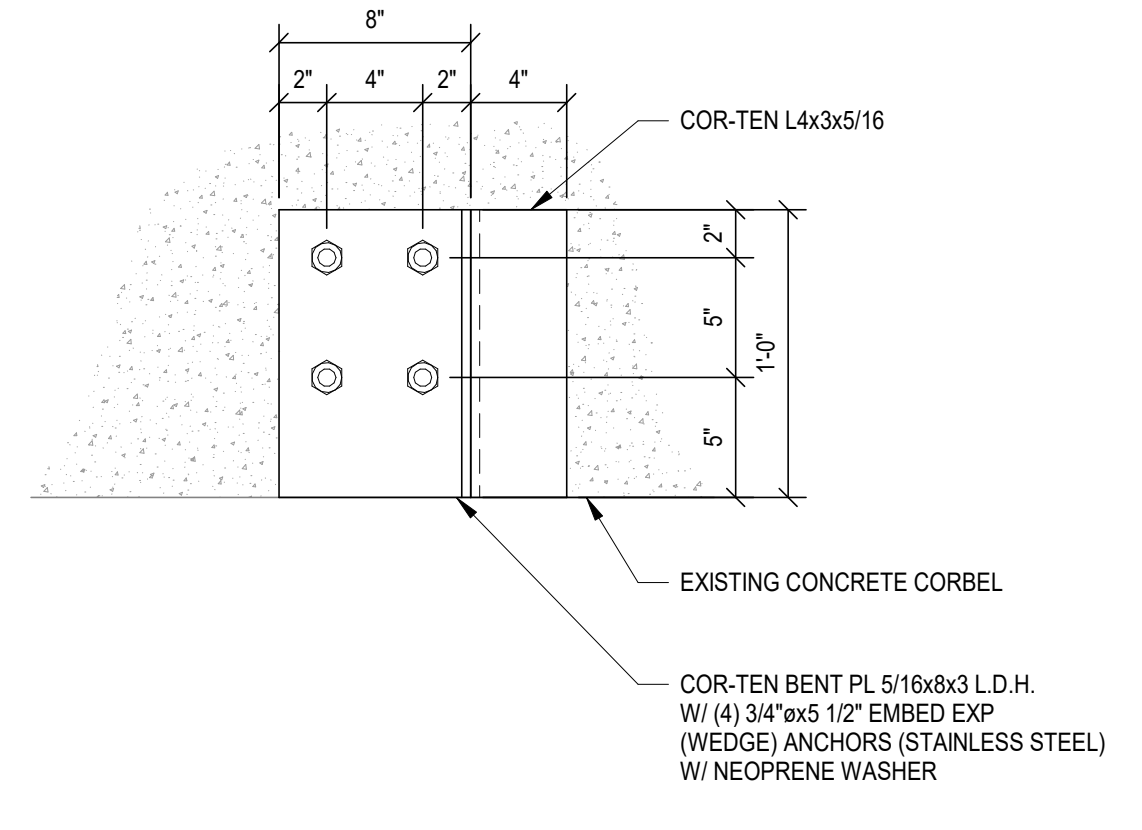
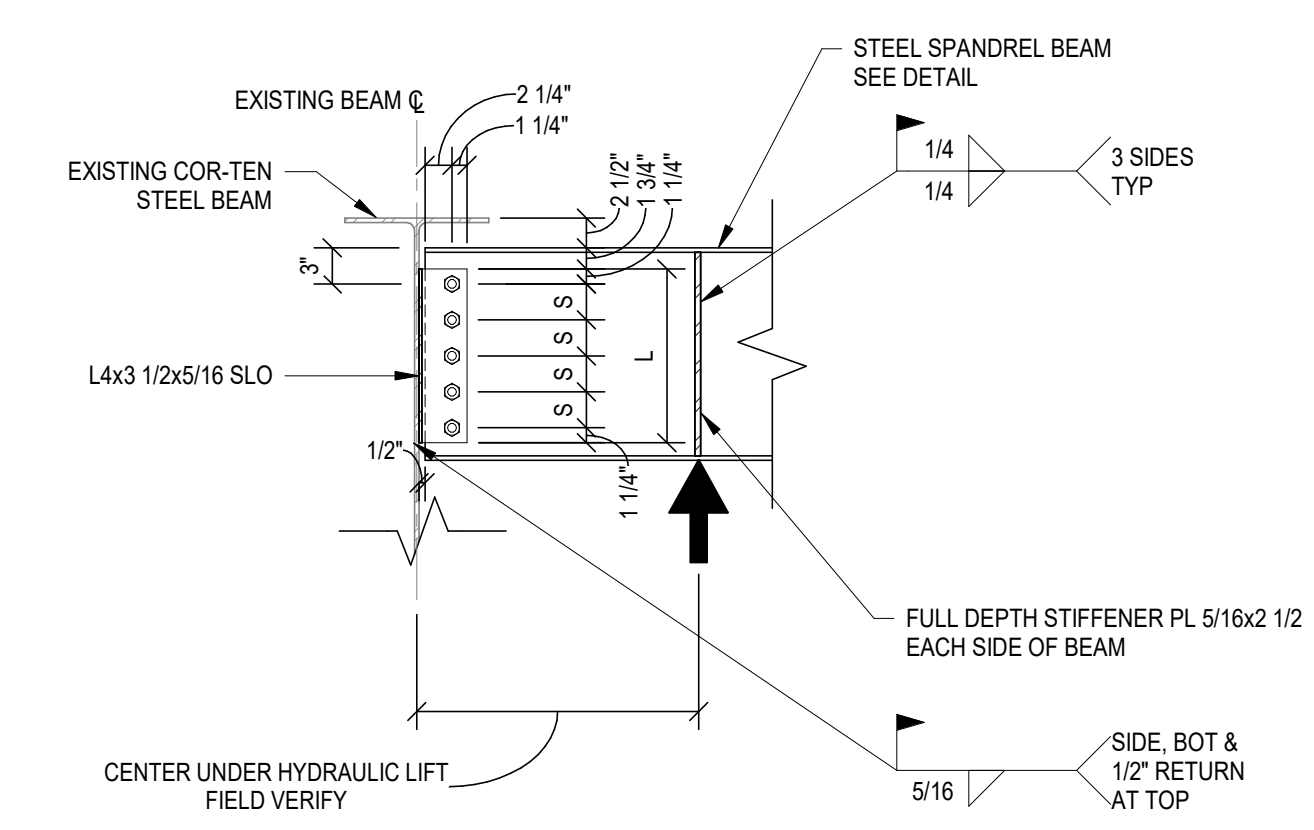
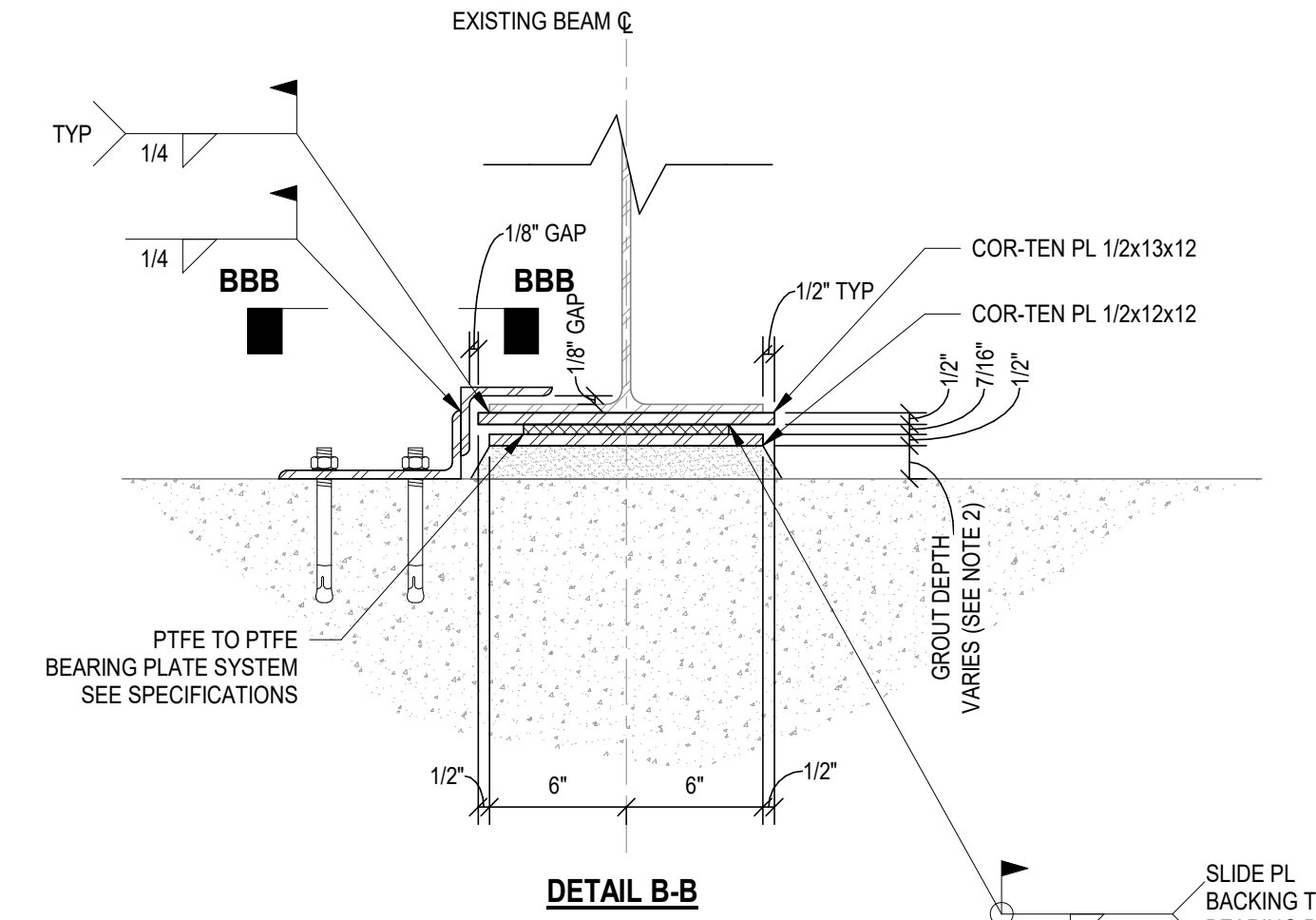
DETAIL AA-AA

A
S4.1 **TYPICAL SLIDE BEARING PLATE REPAIR AT ELEVATOR DETAIL**
NOT TO SCALE



- NOTES:**
1. FIELD VERIFY EXISTING DIMENSIONS AND VERIFY CONSTRUCTABILITY OF SPECIFIED STEEL PLATE DIMENSIONS.
 2. EXISTING DIMENSION BETWEEN CONCRETE CORBEL AND BOTTOM OF EXISTING STEEL BEAM FLANGE MAY VARY. CONTRACTOR TO FIELD VERIFY DIMENSION AT EACH BEARING LOCATION, AND MODIFY GROUT DEPTH AS NEEDED. EXISTING BOTTOM OF STEEL ELEVATION TO REMAIN UNMODIFIED AFTER REPAIR OPERATIONS COMPLETE.

- NOTES:**
1. ALL BOLTS ASTM 325-N, 3/4"Ø.
 2. ALL WELDS E70XX.
 3. BOLT SPACING (S) = 3".
 4. SHORT HORIZONTAL SLOTTED HOLES MAY BE USED.



- NOTES:**
1. CONTRACTOR SHALL COORDINATE WITH CSX TRANSPORTATION PRIOR TO BEARING PLATE REPAIR EFFORTS.
 2. CONTRACTOR SHALL REMOVE ALL NETTING BELOW DELAMINATED AREA TO ACCESS BEARING PLATES AND, ONCE COMPLETED, SHALL REINSTALL IN LIKE AND KIND.
 3. CONTRACTOR SHALL SCAN FOR REBAR BEFORE INSTALLING STEEL BEARING PLATE SYSTEM.
 4. ENTIRELY REMOVE EXISTING STEEL BEARING PLATE SYSTEM (CUT ANCHOR BOLT FLUSH WITH TOP OF EXISTING CONCRETE AND GRIND DOWN AS REQUIRED), MECHANICALLY ROUGHEN EXISTING SURFACE, APPLY CONCRETE BONDING AGENT AND RESTORE CONCRETE CORBEL TO ORIGINAL SHAPE/DIMENSIONS.
 5. SELECT HYDRAULIC JACK TO SUPPORT A SHORING DESIGN LOAD OF 30,000 LBS AT EACH JACK. PLACE TEMPORARY METAL BEARING SHIMS BETWEEN HYDRAULIC JACK AND CONCRETE CORBEL. CONTRACTOR TO REPAIR ANY DAMAGE TO EXISTING CONCRETE/STEEL ELEMENTS THAT OCCUR AS A RESULT OF REPAIR OPERATIONS.
 6. CONTRACTOR TO REMOVE EXISTING DIAGONAL BRACING TO FACILITATE ACCESS TO REPAIR AREA AND RETURN TO ORIGINAL LOCATION ONCE REPAIR OPERATIONS COMPLETED.
 7. ANY EXISTING CONDUIT MUST REMAIN OPERATIONAL DURING REPAIR ACTIVITIES. CONTRACTOR TO NOTIFY ENGINEER IF EXISTING CONDUIT LOCATION HINDERS ABILITY TO REPAIR BEARING LOCATIONS.

B
S4.1 **TYPICAL MAIN BRIDGE BEARING PLATE REPAIR DETAIL**
NOT TO SCALE

NO.			DESCRIPTION			DATE		

BELKNAP PEDESTRIAN BRIDGE REPAIR			
AS BUILT DATE	TYPICAL FRAMING DETAILS	DRAWING NO.	
DRAWN BY MDA	UNIVERSITY OF LOUISVILLE DEPARTMENT OF PHYSICAL PLANT BELKNAP CAMPUS LOUISVILLE, KENTUCKY	S4.1	
CHECKED BY JST/JAB		BK PROJECT # 24252	
DATE 2/21/25	 BROWN+KUBICAN STRUCTURAL ENGINEERS <small>8900 Greenway Commons Pl #201 Louisville, KY 40220 502-749-2061 www.brownkubican.com</small>	ENGR. FILE NO.	
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