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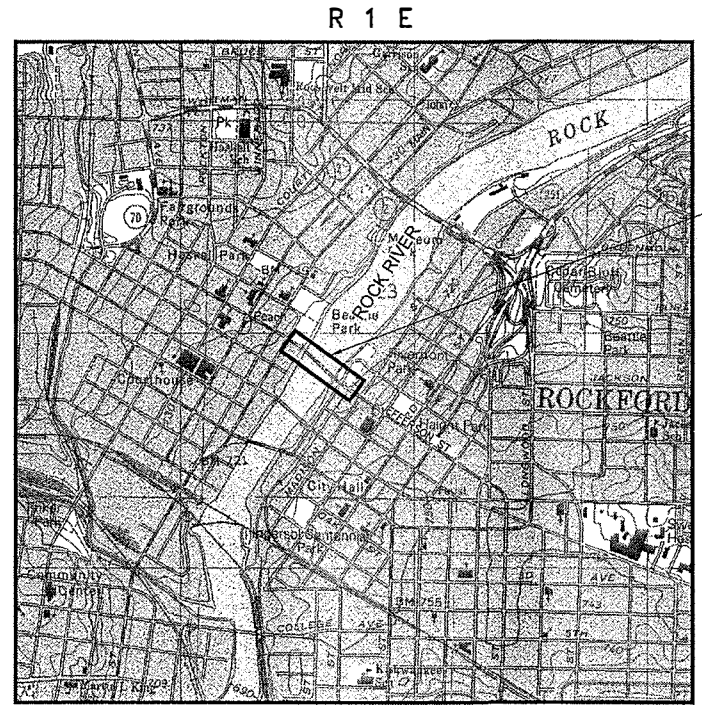
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- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

UTILITY CONTACTS:

- GAS:**
 - NICOR
 - MR. BRUCE KOPPANG-DOT LIAISON
 - 1844 FERRY ROAD
 - NAPERVILLE, ILLINOIS 60563-9600
 - (630) 388-3046
- ELECTRIC:**
 - ComEd
 - MS. NORA FERNANDEZ
 - 123 ENERGY AVENUE
 - ROCKFORD, ILLINOIS 61109
 - (815) 490-2335
 - SCOTT COMPSTON
 - 2 LINCOLN CENTER
 - OAK BROOK TERRACE, IL 60181-4260
 - (630) 576-6726 (OFFICE)
 - (630) 418-9545 (MOBILE)
- TELEPHONE:**
 - AT&T LOCAL
 - MR. DAVID SAINT-GERMAIN
 - 2404 8TH AVENUE
 - ROCKFORD, ILLINOIS 61108
 - (815) 394-7297
- CABLE TELEVISION:**
 - COMCAST
 - MR. TOM YUCCAS
 - 4450 KISHWAUKEE STREET
 - ROCKFORD, ILLINOIS 61109
 - (815) 509-8653
- SANITARY SEWER:**
 - ROCK RIVER WATER RECLAMATION DISTRICT
 - MR. CHRIS BAER
 - 3501 KISHWAUKEE STREET
 - ROCKFORD, ILLINOIS 61109
 - (815) 387-7400
- WATER:**
 - CITY OF ROCKFORD WATER DIVISION
 - KYLE SAUNDERS
 - 425 EAST STATE STREET
 - ROCKFORD, ILLINOIS 61104
 - (779) 348-7300
- ROADWAY-TRANSPORTATION:**
 - CITY OF ROCKFORD
 - MR. MARK STOCKMEN, DPW
 - 425 EAST STATE STREET
 - ROCKFORD, ILLINOIS 61104
 - (779) 348-7300

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ROCKFORD PARK DISTRICT PLANS FOR PROPOSED JEFFERSON STREET PEDESTRIAN BRIDGE REPLACEMENT & REHABILITATION WINNEBAGO COUNTY SECTION NUMBER 16-P4000-00-BR PROJECT NO. 11Z6(771) JOB NO. C-92-039-19 CONTRACT NO. 85679

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
16-P4000-00-BR	WINNEBAGO	20	C-1
ROCKFORD PARK DISTRICT		CONTRACT NO. 85679	
ILLINOIS FED. AID PROJECT -			



LOCATION MAP

PROPOSED PEDESTRIAN BRIDGE REPLACEMENT AND REHABILITATION

APPROVED *[Signature]* January 22, 2019
ROCKFORD PARK DISTRICT

PASSED *[Signature]* February 4, 2019
DISTRICT 2 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW *[Signature]* February 4, 2019
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



811 or
1-800-892-0123
TOLL FREE

ROCKFORD PARK DISTRICT
401 S. MAIN STREET
Rockford, Illinois
(815) 987-8800

PROJECT LENGTH: PEDESTRIAN BRIDGE REMOVAL AND REPLACEMENT = 488.16 FEET OR 0.092 MILES
PEDESTRIAN BRIDGE REHABILITATION = 404.78 FEET OR 0.077 MILES
GROSS LENGTH = 892.94 FEET OR 0.169 MILES

ALAN GHARABATI
081-005009
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

SHEETS A1.1 - A1.6
DATE SIGNED 1-21-2019
EXPIRES 11-30-21

MISSMA N. INC.
PROFESSIONAL ENGINEERS & LAND SURVEYORS

SHEETS C-1 - C-13
DATE SIGNED 1/21/19
EXPIRES 11/30/20

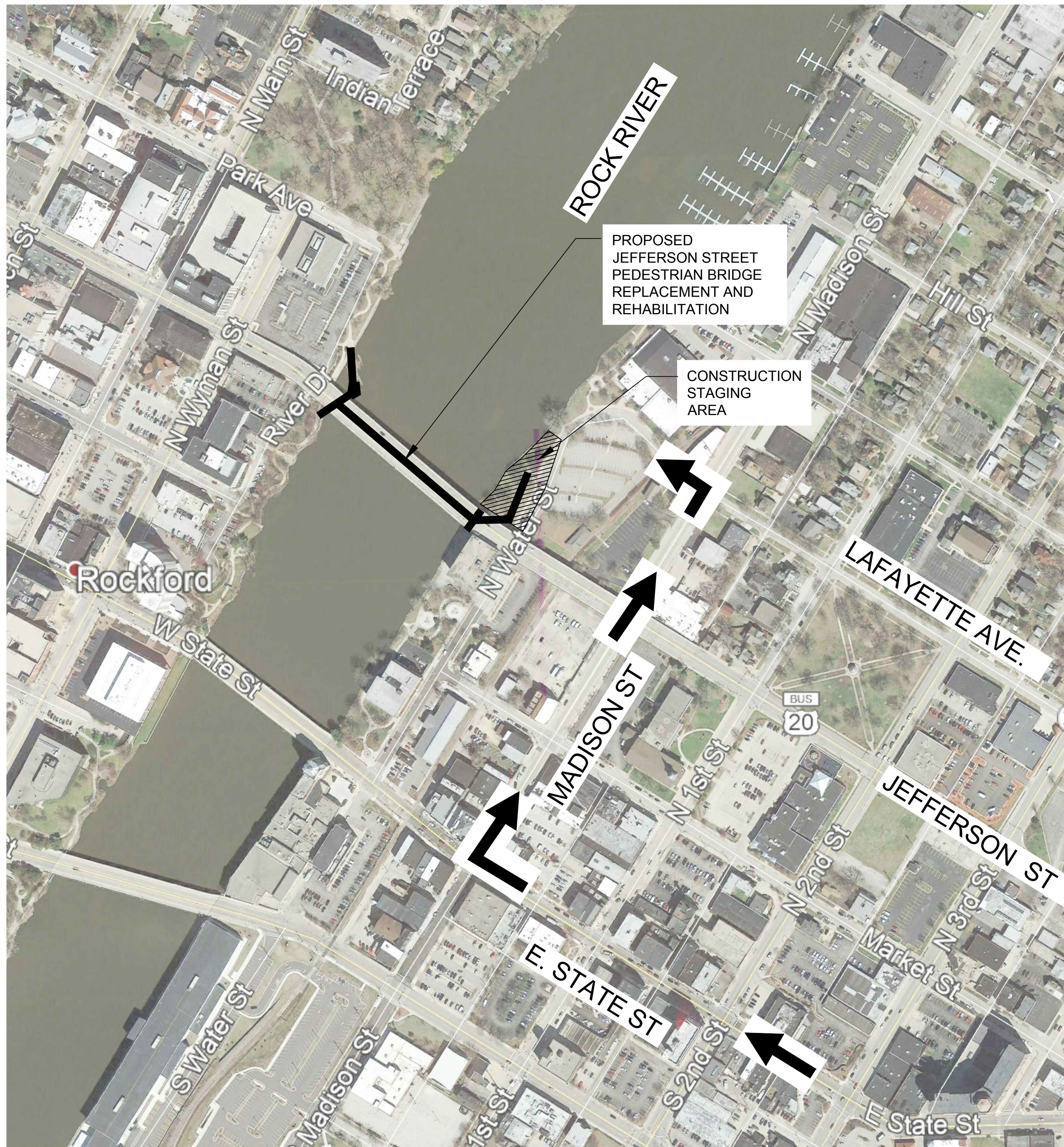
120 S 1ST STREET
ROCKFORD, IL 61860
PH: 815.956.6400
www.imegcorp.com

FRANCIS RILEY
[Signature]
McClure
Professional Engineers & Land Surveyors

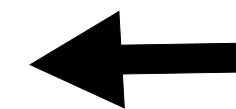
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PLOT DATE: 1/21/2019

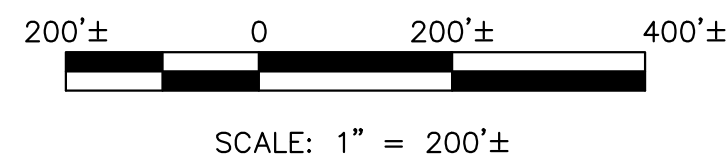
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RECOMMENDED
CONSTRUCTION TRAFFIC
ACCESS ROUTE AS MARKED:

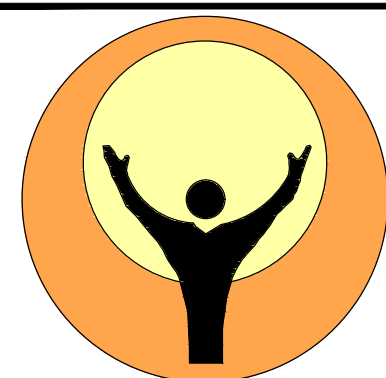


CONSTRUCTION TRAFFIC
ACCESS ROUTE



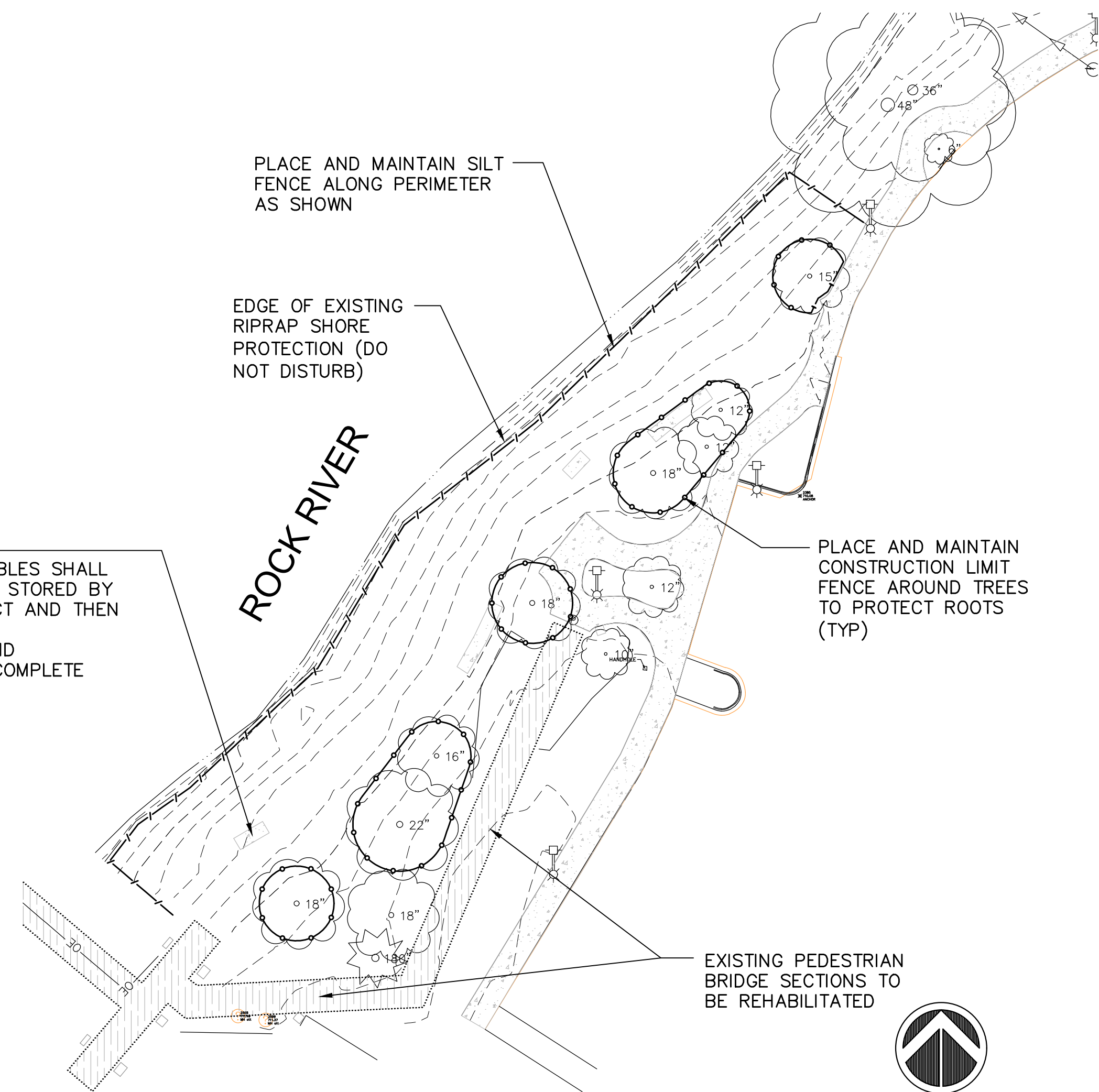
NOTES:

1. CONTRACTOR SHALL COORDINATE SPECIFIC PERMIT LOAD REQUIREMENTS AND/OR ALTERNATE ROUTE(S) WITH THE CITY OF ROCKFORD.
2. CONTRACTOR SHALL PROTECT LOW HANGING OBSTRUCTIONS ALONG ROUTE FROM CONSTRUCTION MATERIAL AND EQUIPMENT MOBILIZATION DAMAGE.
3. REFER TO STAGING AREA & CONSTRUCTION SEQUENCE PLAN SHEET AND NOTES FOR ADDITIONAL INFORMATION REGARDING THE CONTRACTOR STAGING AREA AND CONSTRUCTION SITE ACCESS ROUTE.



**ROCKFORD
PARK DISTRICT**
401 S. MAIN STREET
Rockford, Illinois
(815) 987-8800

BY OTHERS:
BENCHES AND TABLES SHALL
BE REMOVED AND STORED BY
THE PARK DISTRICT AND THEN
REPLACED AFTER
CONSTRUCTION AND
RESTORATION IS COMPLETE



STAGING AREA PLAN

GENERAL NOTES:

1. COORDINATE AND ESTABLISH THE CONFIRMED DELIVERY DATE OF THE FINISHED PREFABRICATED PEDESTRIAN BRIDGE SECTIONS AND REHABILITATION MATERIALS TO THE SITE.
2. INSTALL EROSION CONTROL AND CONSTRUCTION LIMITS FENCE AS SHOWN OR AS DIRECTED BY THE OWNER OR ENGINEER.
3. TEMPORARILY RELOCATE ANY UTILITY CONDUITS ATTACHED TO THE EXISTING PEDESTRIAN BRIDGE THAT INTERFERS WITH THE REPLACEMENT OR REHABILITATION.
3. REMOVAL OF EXISTING SECTIONS 5 THRU 9 & 11 AND DEMO FOR REHABILITATION OF REMAINING SECTIONS MAY BE PERFORMED SIMULTANEOUSLY.
4. CONTRACTOR SHALL SUPPLY THE OWNER AND ENGINEER A PLANNED SEQUENCE FOR THE DESIGNED REPLACEMENT AND REHABILITATION.
5. COORDINATE WITH THE ARCHITECTS ELECTRICAL DRAWINGS TO SEQUENCE LIGHTING CONDUIT INSTALLATION.
6. COORDINATE WITH ADJACENT LIBRARY CONSTRUCTION AND COMED FOR SHARED USE OF PARKING AREAS AND/OR GENERAL CONSTRUCTION PRACTICES.
7. CONTRACTOR SHALL PLACE TEMPORARY CONSTRUCTION FENCE AS DETERMINED IN THE FIELD TO PROTECT THE CONSTRUCTION STAGING AREA. MEASUREMENT AND PAYMENT SHALL BE AT THE CONTRACT PRICE PER FOOT FOR TEMPORARY CONSTRUCTION FENCING AND SHALL INCLUDE COMPLETE REMOVAL AT PROJECT COMPLETION OR AS DIRECTED BY THE OWNER.

RESTORATION NOTES

1. THE CONTRACTOR SHALL TAKE CARE TO MINIMIZE DISTURBANCE AT THE BRIDGE LOCATIONS AND ALONG THE ACCESS ROUTE. ALL AREAS DISTURBED OR DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE RESTORED/REPAIRED IN-KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE CONTRACT. CONTRACTOR IS ADVISED THAT THE ROCK RIVER WATER RECLAMATION DISTRICT WILL PROVIDE FINAL APPROVAL AND ACCEPTANCE OF THE COMPLETED RESTORATION AT THE STAGING AREA AND ALONG THE ACCESS ROUTE. THIS ITEM SHALL BE INCLUDED IN THE CONTRACT PRICE FOR PEDESTRIAN TRUSS SUPERSTRUCTURE.
2. LAWN RESTORATION SHALL INCLUDE: PLACEMENT OF 6 INCHES OF COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION; STARTER FERTILIZER APPLIED AT A RATE OF 300 LBS/AC; AND CLASS 1 SEEDING IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS.
3. RESTORATION REQUIRED FOR THE REMOVAL OF RAMP SECTION 11 AND EXISTING ABUTMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR REMOVAL OF EXISTING STRUCTURES.

REVISIONS	DESCRIPTION	DATE
No.		

IMEG
120 S 1ST STREET
ROCKFORD, IL 61104
PH: 815.985.6400
www.imegcorp.com

FORMERLY
Missman, Inc.
Engineering Associates, Inc.

JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION
CONSTRUCTION TRAFFIC AND STAGING PLAN

IMEG Project No:
18000426.00
File Name:
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Date: 1-9-19

C-2
Sheet 2 of 20

GENERAL NOTES

- Contractor is advised that the Rock River is considered "Public Waters" and construction permits from the ACOE and the IDNR have been issued for this project and are on file with the Owner. No item of work associated with this project shall involve excavation and/or placement of fill material below the 'normal water elevation'. Contractor shall implement erosion control measures at the earliest possible time to limit erosion and stream pollution. Contractor shall limit work platforms to the immediate vicinity under the bridge to eliminate hazards in the navigable areas of the Rock River. Contractor shall be responsible for the installation of appropriate safety measures if work area and platforms extend beyond the River's edge.
- Contractor shall contact J.U.L.I.E. and any other non-member utilities prior to construction activities. Contractor shall verify location of all other site utilities with the Owner. Contractor is advised that underground wires/conduits for the existing path lighting are in the vicinity of or attached to the existing bridge. Contractor shall be responsible for damage to existing underground utilities.
- The proposed items of work shown on these plans shall be constructed in accordance with the applicable sections of the current editions of the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction", "Supplemental Specifications and Recurring Special Provisions" and the Special Provisions issued for this project.
- The design and fabrication of the pedestrian bridge superstructure shall comply with the current edition requirements of the "AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges", the "AASHTO LRFD Bridge Design Specifications", the American Institute of Steel Construction (AISC) and shall also be in conformance with the applicable sections of the referenced IDOT Guide Bridge Special Provisions, GBSP 33, "Pedestrian Truss Superstructure".
- The Contractor shall submit shop drawings in accordance with GBSP 33 to the Engineer prior to beginning fabrication and prior to the construction of the concrete substructure in the field.
- It shall be the responsibility of the Contractor to understand the planned elements of work and verify all dimensions and conditions existing in the field prior to bidding on the project, ordering materials, or beginning construction. All items of work included on these plans shall be included in the Contract Lump Sum Base Bid, no additional compensation will be allowed for planned items of work.
- The Contractor shall notify the Rockford Park District at least 48 hours prior to the start of construction.
- The Contractor shall remove the existing bridge elements as shown on these plans in a manner so as not to cause any damage to the surrounding elements. The Contractor will be responsible for the repair and/or replacement of any item damaged to the satisfaction of the Engineer/Owner with no additional compensation allowed. All elements removed from the bridge shall become the property of the Contractor. Any debris resulting from construction operations, including the removed bridge elements, shall be properly disposed of off-site in conformance with Section 202.03 of the IDOT Standard Specifications.
- The Contractor shall remove the existing bollards at the end of the ramp bollards will not be replaced. Fill resulting void with tamped backfill prior to placement of topsoil and seeding. Bollards shall remain the property of the Rockford Park District. Contractor shall separate bollards from concrete foundation. Coordinate delivery with Owner. Concrete debris shall be disposed of properly.
- All structural steel material shall conform to the requirements of Section 1006 of the IDOT Standard Specifications; ASTM A500 Grade B structural tubing (Fy=66,000 psi); ASTM A992 (Fy=50,000 psi) structural steel shapes for structural members; or A36 (Fy = 36,000 psi) structural steel shapes and plates for non-structural members; as applicable, unless otherwise shown on the plans or approved by Engineer.
- Unless otherwise noted, welded connections shall be fillet welds properly sized to the thickness of the lightest gage member in the connection and shall be designed in accordance with the Structural Welding Code - Steel ANSI/AWS D1.1. Metal thickness shall be in accordance with the provisions of Article 10.8 of the "AASHTO Standard Specifications for Highway Bridges", except that the minimum

thickness, including closed structural tubing members, shall be 0.25 inches. Welds shall be applied as follows:

- Both ends of verticals, diagonals, and floor beams shall be welded all around.
 - Brace diagonals shall be welded all around.
 - Miscellaneous non-structural members shall be seal welded to their supporting members.
- All top and bottom chord shop splices shall be complete penetration type welds. Weld between top chord and end vertical shall be detailed. Field welding is not permitted.
 - Weld Testing:
All weld testing shall be done by a person qualified IAW ANST SNT-TC-1A.
 - All full penetration welds in the chords shall be ultrasonically tested.
 - All fillet and partial penetration groove welds shall be visually inspected with 10% also being magnetic particle tested.
 - A written testing report shall be submitted upon completion.
 - The pedestrian bridge design(s) shall be based on the combinations of the following loads which will produce maximum critical member stresses:
 - 90 psf uniform live loading on the full deck area or one H-5 vehicle load. The load shall be distributed as a two axle vehicle with 80% of load on the rear axle. The axles shall be spaced 14 feet apart.
 - 35 psf wind load on the full height of the bridge, as if enclosed.
 - 20 psf upward force applied at the windward quarter point of the transverse bridge width.
 - Bridge camber shall be used to offset dead load deflection to match profile grade line as shown on the plans. All vertical truss members shall be perpendicular to the ground (horizon) after the bridge is erected and dead loads applied.
 - Vertical deflection due to live loads shall not exceed 1/500 of span length. Horizontal deflection due to wind load shall not exceed 1/500 of span length.
 - Vibrations shall be in accordance with "AASHTO Guide Specifications for Design of Pedestrian Bridges", Article 1.3.2.
 - The top of the top rail shall not be less than 54 inches above the deck (measured from the high point of the riding surface).
 - A 1 1/4" x 6" nominal width treated wood rub rail shall be attached flush to the inside face of the bridge bridge rail at 3'-6" above the bridge deck.
 - See Architectural Plans for railing information and Details
 - See Electrical Plans for conduit and junction box requirements for re-connection of path lighting electric.

SITE NOTES

- The Contractor shall submit a progress schedule at the pre-construction meeting for Park District Approval. The schedule should be arranged to minimize the impact to pedestrian access and path closure.
- The Contractor is encouraged to follow the suggested access to the bridge site as outlined in the plans. If the Contractor elects to deviate from the suggested access, Contractor shall submit an amended plan in writing at the pre-construction meeting for Owner review and approval. Refer to Special Provisions for additional details.
- The Contractor shall install temporary construction limit fencing prior to mobilizing equipment to the bridge site. Fencing shall be installed to protect all existing memorial areas, trees, benches and underground structures from damage during construction. Any tree limbs that require trimming shall be approved and coordinated by the Rockford Park District.
- The Contractor shall confine work activities to the immediate areas adjacent to the bridge site and along the approved access route. Contractor shall protect work areas with orange safety fence if construction operations will preclude safe pedestrian access. The Contractor shall keep existing pavement surfaces free of mud and debris at all times during construction.
- Contractor shall take all necessary precautions to eliminate any erosion or transportation of sediment away from the immediate construction location. Contractor shall be responsible to maintain strict erosion control measures as required by the Contractor's method utilized to accomplish the work. All erosion control measures and restoration shall be constructed in accordance with the IDOT Standard Specifications.

BRIDGE DECK NOTES

- Bridge deck shall be nominal 2x10 #1 Dense Southern Pine Decking treated to a 0.4 pounds of preservative per cubic foot of wood to standards of the APWA Standard P-5. Alternate decking may be Composite decking. Decking to be fastened with stainless steel screws, with (2) minimum at each supporting member. All screws shall be recessed a minimum of 1/2" below surface. At time of installation, planks shall be placed tight together with no gaps. The Bridge Deck for the new sections of bridge will not be measured for payment, but shall be included in the cost for Pedestrian Truss Superstructure. The Bridge Deck being replaced on the approach sections of the bridge shall be measured and paid for at the contract price per Foot Board Measure for Treated Timber and shall include all labor and materials including furnishing and installing all hardware required to secure the deck as detailed on the plans.

ANCHOR BOLT NOTES:

- Anchor bolt, bearing assembly and Retaining Angles requirements, including size and location, shall be determined/ designed by the Bridge Manufacturer and verified by the Contractor prior to ordering and installing bearings. All anchorage and Retainers shall be included in the contract price for Pedestrian Truss Superstructure.

PAINTING NOTES

- The color of the final finish coat shall be Sherwin Williams; Silver, #FS 17178 or as approved by the Owner.
- The new structural steel shall be painted with the organic zinc rich primer / epoxy / urethane paint system except where otherwise noted, Carboline 3 coat paint system or equal. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. Refer to IDOT Special Provision "Cleaning and Painting New Steel Structures, Location 1".
- Bridge Manufacturer must hold a sophisticated paint endorsement as set forth in the AISC Certification Program.
- Bridge Manufacturer shall provide matching touch-up paint for Erector to apply as necessary after erection.

**SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE : 0028**

Code Number	Item	Unit	Quantity
50100100	REMOVAL OF EXISTING STRUCTURES	EA	1
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	12,650
50806701	CLEANING AND PAINTING NEW STEEL STRUCTURES LOCATION 1	LS	1
50700105	TREATED TIMBER	FBM	5,955
67100100	MOBILIZATION	LS	1
X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SF	5,840
X0326485	DECORATIVE RAILING (DECK MOUNTED)	FOOT	860
X0326672	PEDESTRIAN BRIDGE LIGHTING SYSTEM	LS	1
X5067500	BRIDGE CLEANING AND PAINTING WARRANTY	LS	1
XX009293	STRINGER SPLICE REPAIR	EA	15
XX009294	MODIFY EXISTING BEAMS	EA	3
XX009295	PEDESTRIAN BRIDGE CANOPY STRUCTURES COMPLETE	EA	5
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LS	1
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	5,540
Z0003618	REMOVAL OF EXISTING TIMBER FLOOR	EA	501
Z0013798	CONSTRUCTION LAYOUT	LS	1
Z0055905	TEMPORARY CONSTRUCTION FENCING	LF	500

NO.	DESCRIPTION	DATE
		2-25-19

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JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION
PROJECT NOTES AND SUMMARY OF QUANTITIES

McClure
Engineering Associates, Inc.
FOR-REAR: MISSISSAUGA, ONTARIO, CANADA
MISSISSAUGA, ONTARIO, CANADA

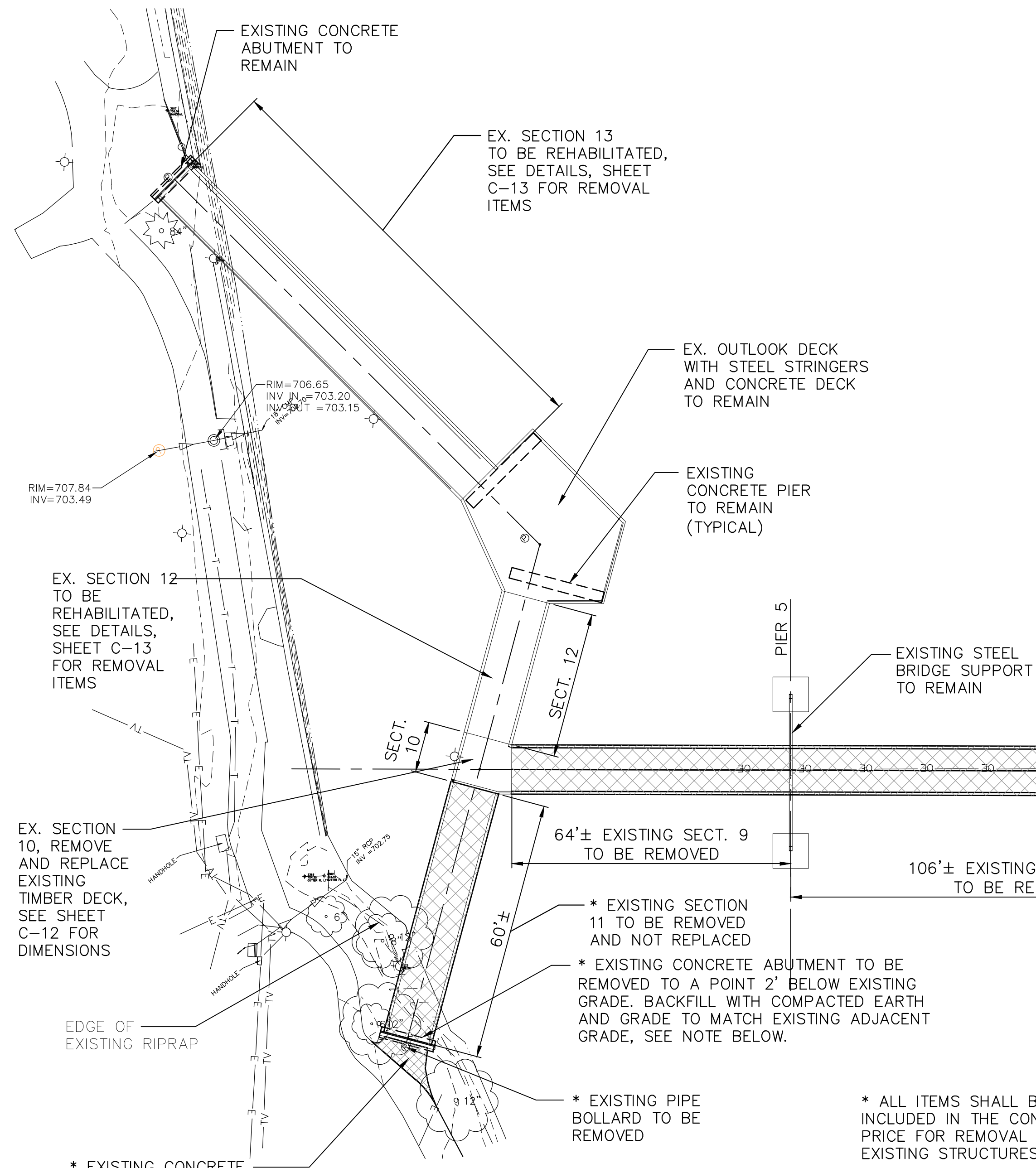
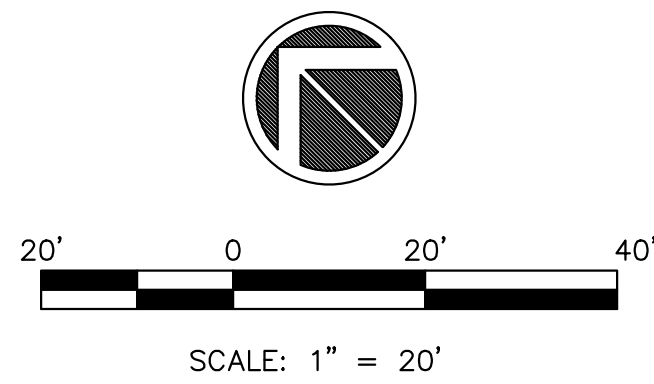
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REPLACEMENT AND REHABILITATION
PROJECT NOTES AND SUMMARY OF QUANTITIES

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C-3
Sheet 3 of 20



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PARK DISTRICT
401 S. MAIN STREET
Rockford, Illinois
(815) 987-8800**

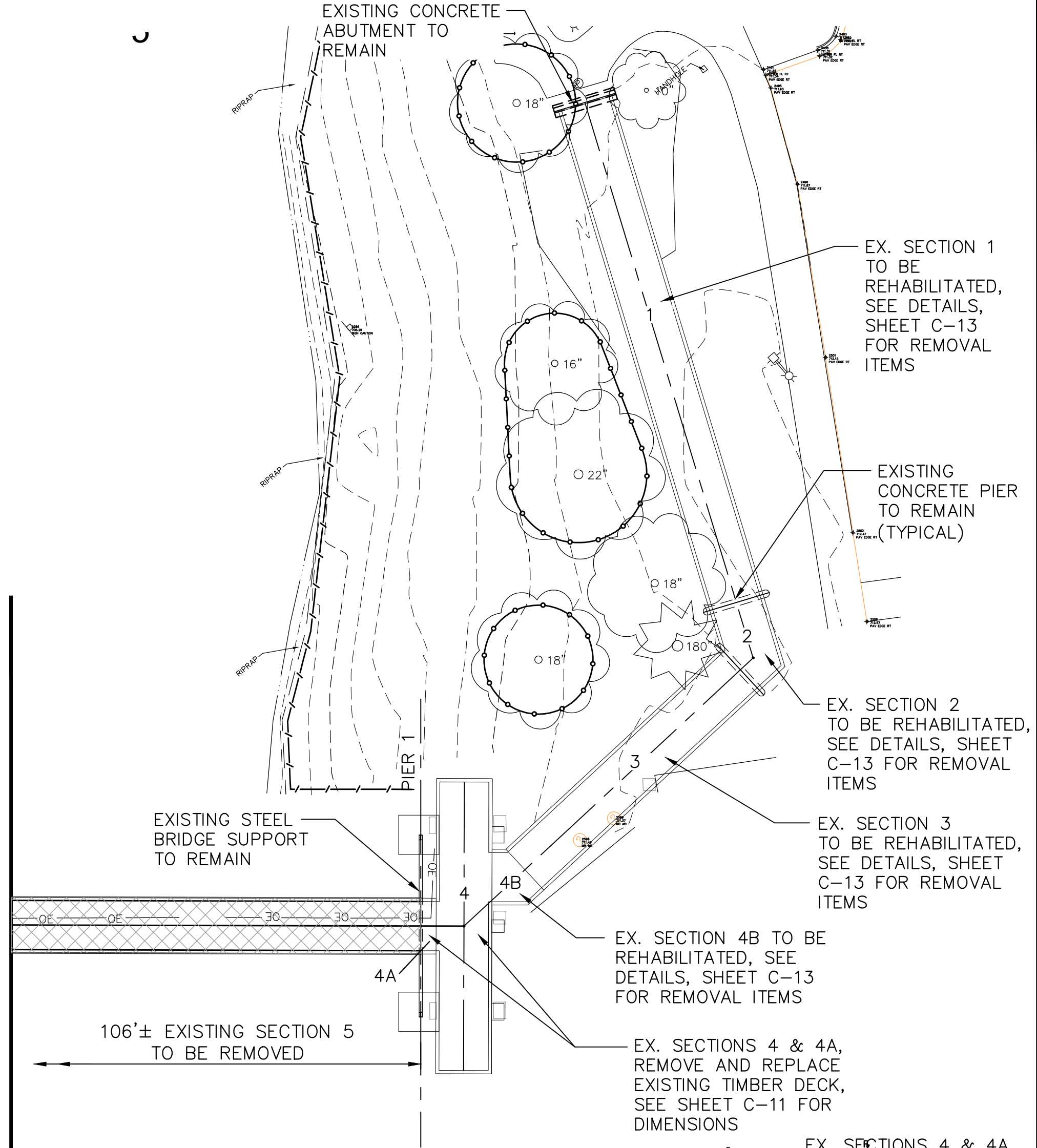


NOTE:
SEE PLANS, SHEETS C-11 AND C-12 FOR DIMENSIONS OF EXISTING STRUCTURE TO BE REHABILITATED AND OUTLOOK DECK.

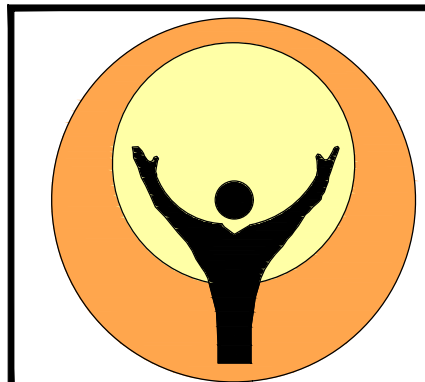
NOTE:
* RESTORE TURF IN ACCORDANCE WITH RESTORATION NOTE 2, SHEET C-2

* ALL ITEMS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR REMOVAL OF EXISTING STRUCTURES.

MATCH LINE - SEE PLAN BELOW



MATCH LINE - SEE PLAN ABOVE



**ROCKFORD
PARK DISTRICT**
401 S. MAIN STREET
Rockford, Illinois
(815) 987-8800

REVISIONS	DESCRIPTION	DATE
No.		

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Engineering Associates, Inc.
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Mussman, Inc.
Professional Engineers & Land Surveyors

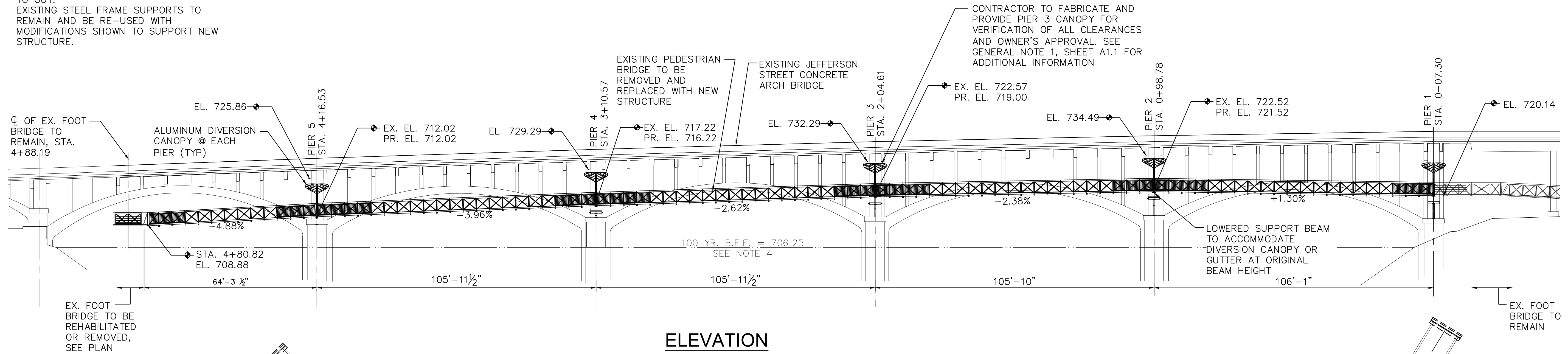
**JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION
REMOVAL PLAN**

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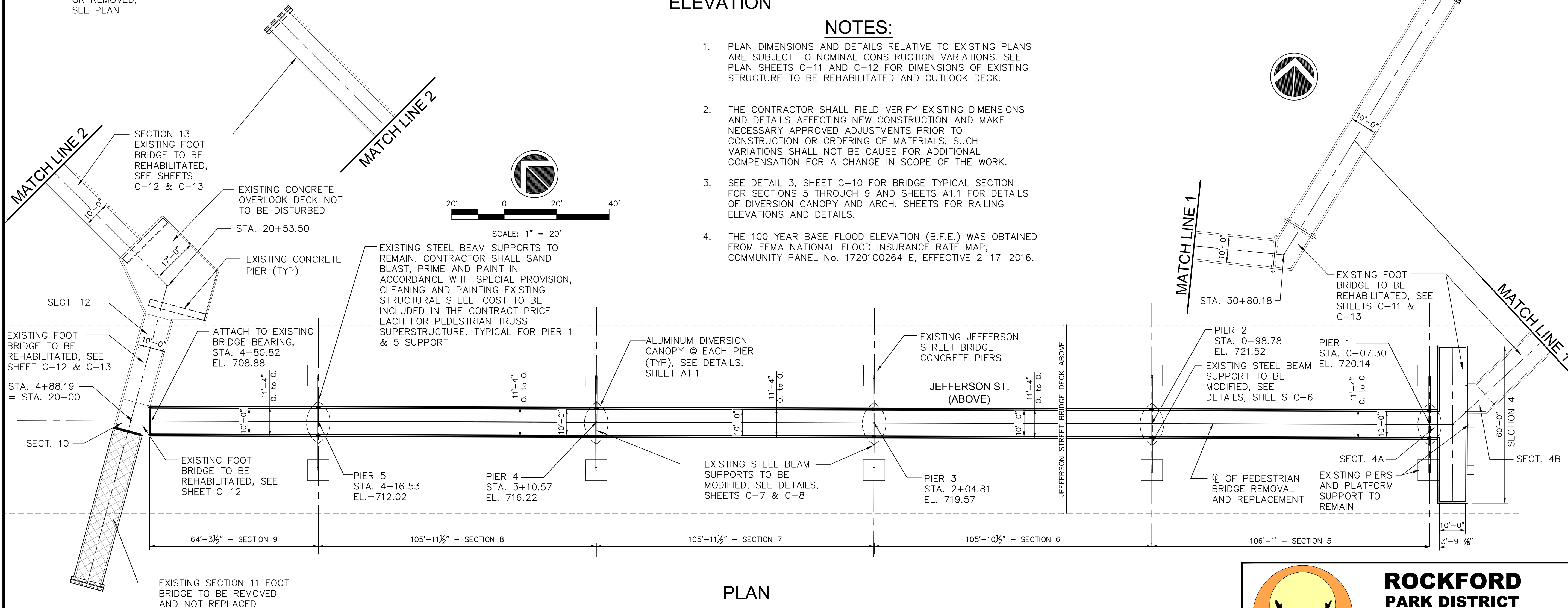
EXISTING PEDESTRIAN STRUCTURE: EXISTING STRUCTURE TO BE REMOVED, 5 SPAN, STEEL STRUCTURE WITH WOOD FLOORING, 10'-0" FACE TO FACE OF RAIL, 11'-4" OUT TO OUT.
EXISTING STEEL FRAME SUPPORTS TO REMAIN AND BE RE-USED WITH MODIFICATIONS SHOWN TO SUPPORT NEW STRUCTURE.



ELEVATION

NOTES:

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. SEE PLAN SHEETS C-11 AND C-12 FOR DIMENSIONS OF EXISTING STRUCTURE TO BE REHABILITATED AND OUTLOOK DECK.
2. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK.
3. SEE DETAIL 3, SHEET C-10 FOR BRIDGE TYPICAL SECTION FOR SECTIONS 5 THROUGH 9 AND SHEETS A1.1 FOR DETAILS OF DIVERSION CANOPY AND ARCH. SHEETS FOR RAILING ELEVATIONS AND DETAILS.
4. THE 100 YEAR BASE FLOOD ELEVATION (B.F.E.) WAS OBTAINED FROM FEMA NATIONAL FLOOD INSURANCE RATE MAP, COMMUNITY PANEL No. 17201C0264 E, EFFECTIVE 2-17-2016.



PLAN

REVISIONS	DESCRIPTION	DATE
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**JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION**

GENERAL PLAN AND ELEVATION

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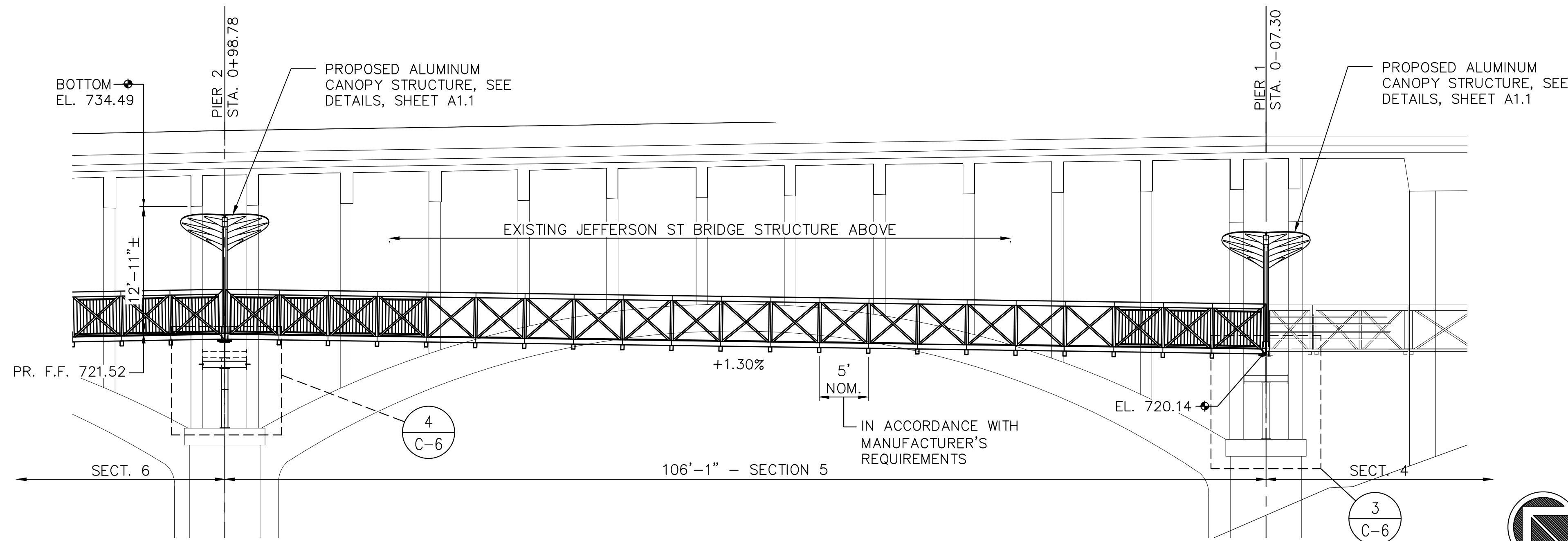
Date: 1-9-19

C-5

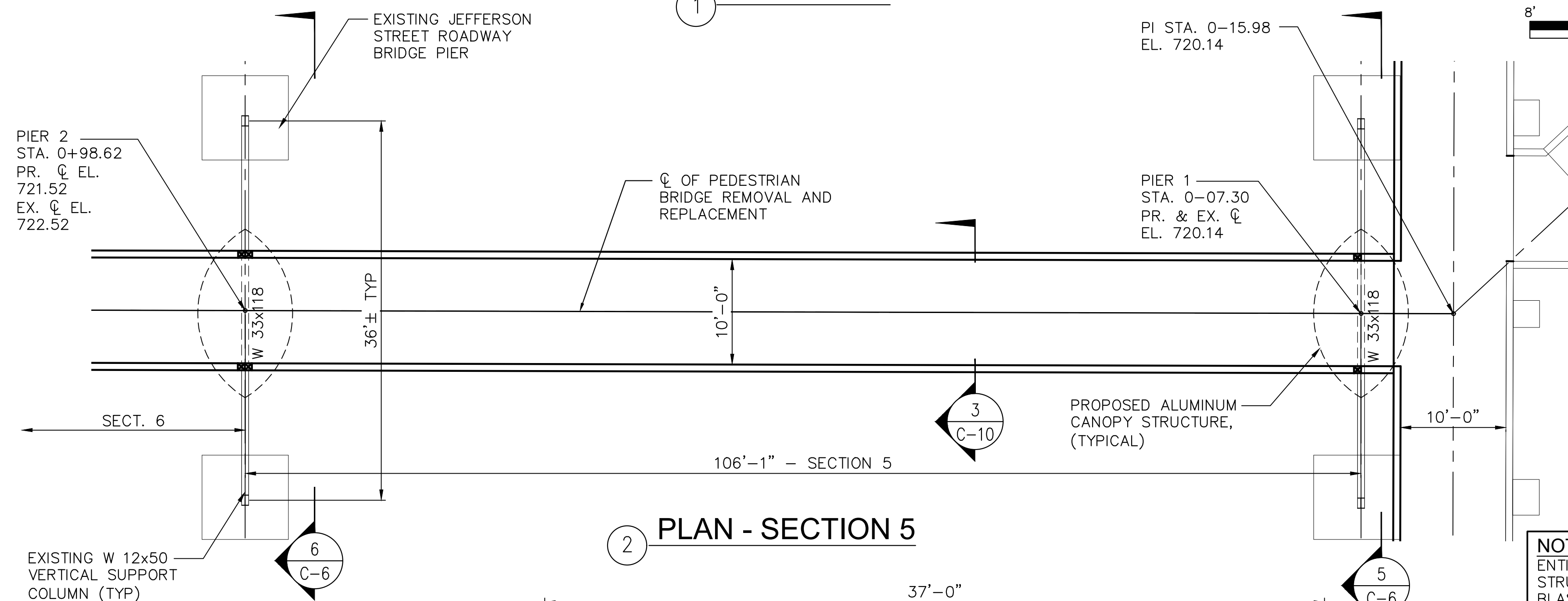
Sheet 5 of 20

**ROCKFORD
PARK DISTRICT**

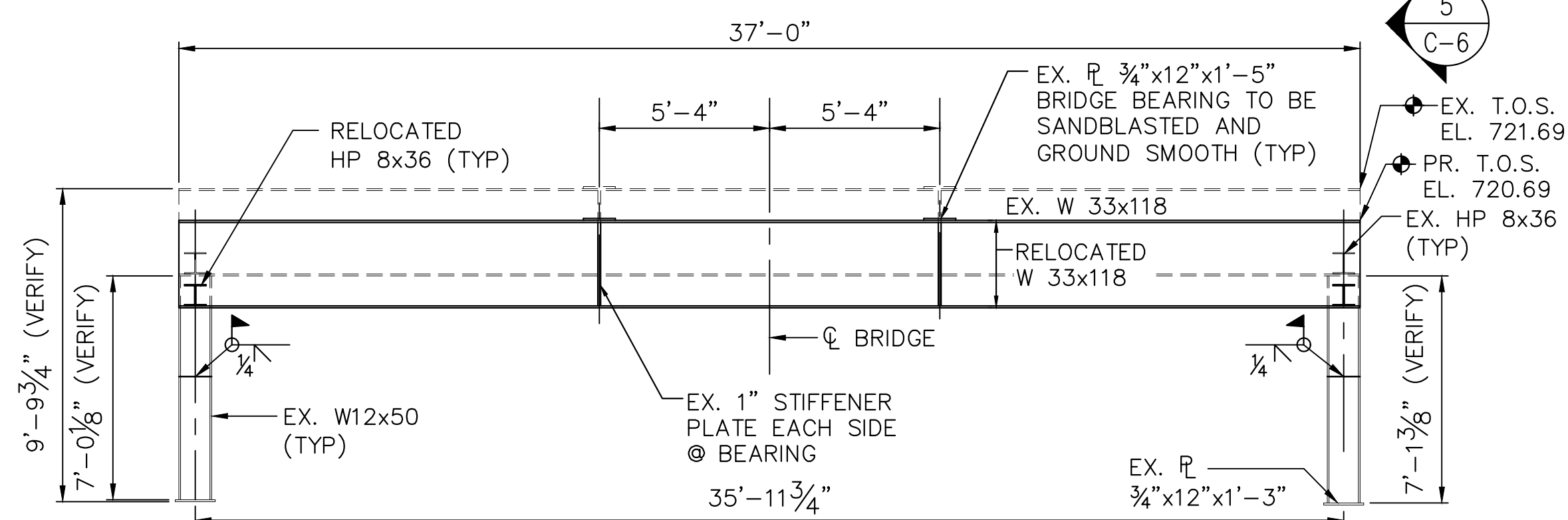
**401 S. MAIN STREET
Rockford, Illinois
(815) 987-8800**



1 ELEVATION

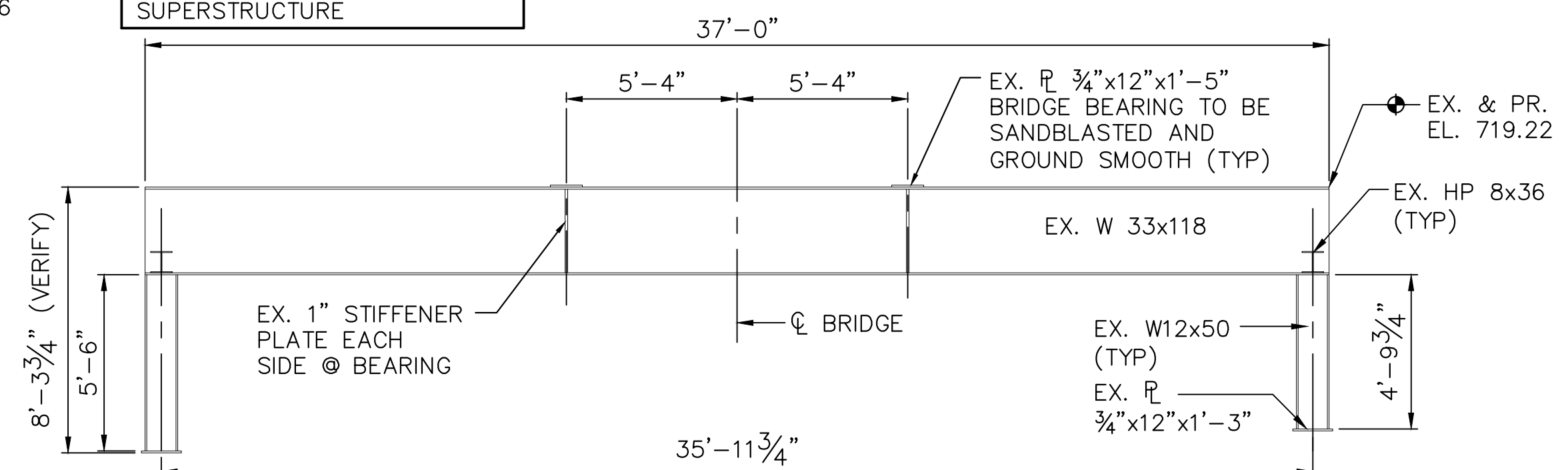


2 PLAN - SECTION 5

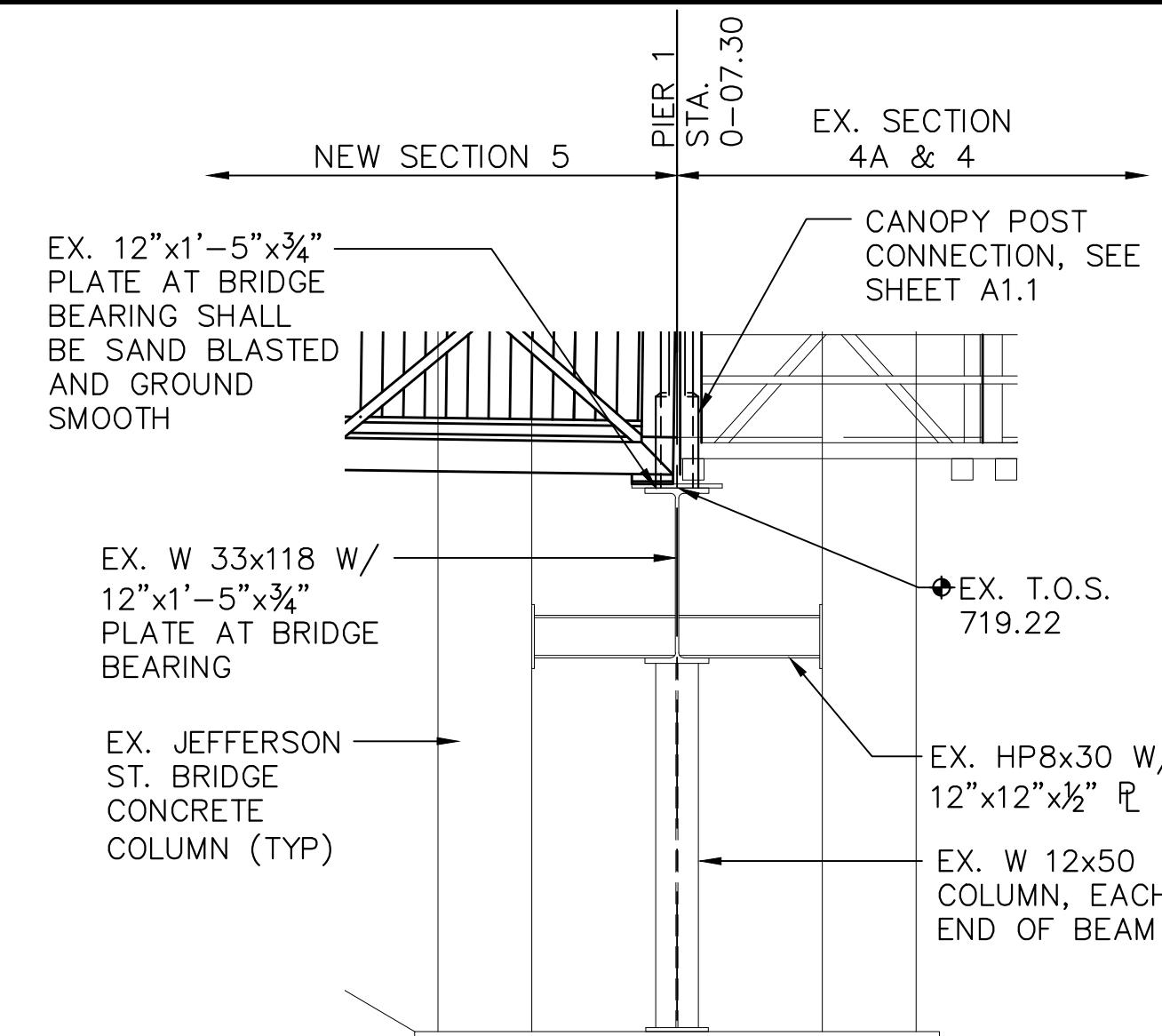


6 PIER 2 SUPPORT ELEVATION (LOOKING NORTHWEST)

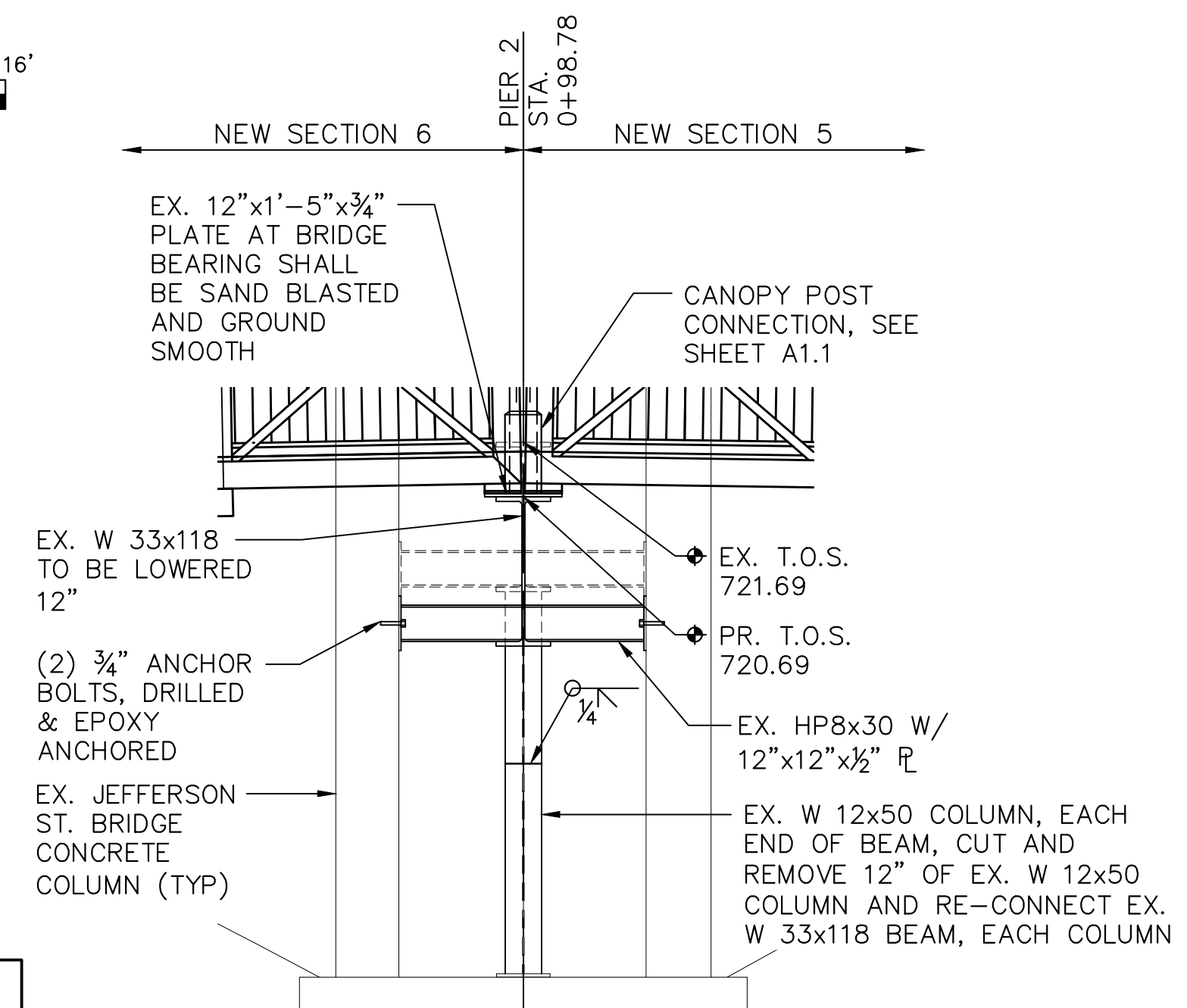
NOTE:
ENTIRE PIER 1 STEEL SUPPORT STRUCTURE SHALL BE SAND BLASTED, PRIMED AND PAINTED IN ACCORDANCE WITH SPECIAL PROVISION, CLEANING AND PAINTING EXISTING STRUCTURAL STEEL. COST TO BE INCLUDED IN THE CONTRACT PRICE EACH PEDESTRIAN TRUSS SUPERSTRUCTURE



5 PIER 1 SUPPORT ELEVATION (LOOKING NORTHWEST)

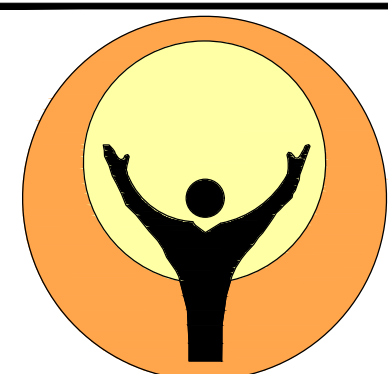


3 PIER 1 SUPPORT END ELEVATION



4 PIER 2 SUPPORT END ELEVATION

NOTE:
ENTIRE PIER 2 STEEL SUPPORT STRUCTURE SHALL BE SAND BLASTED, PRIMED AND PAINTED IN ACCORDANCE WITH SPECIAL PROVISION, CLEANING AND PAINTING EXISTING STRUCTURAL STEEL. COST TO BE INCLUDED IN THE CONTRACT PRICE FOR MODIFY EXISTING BEAMS.



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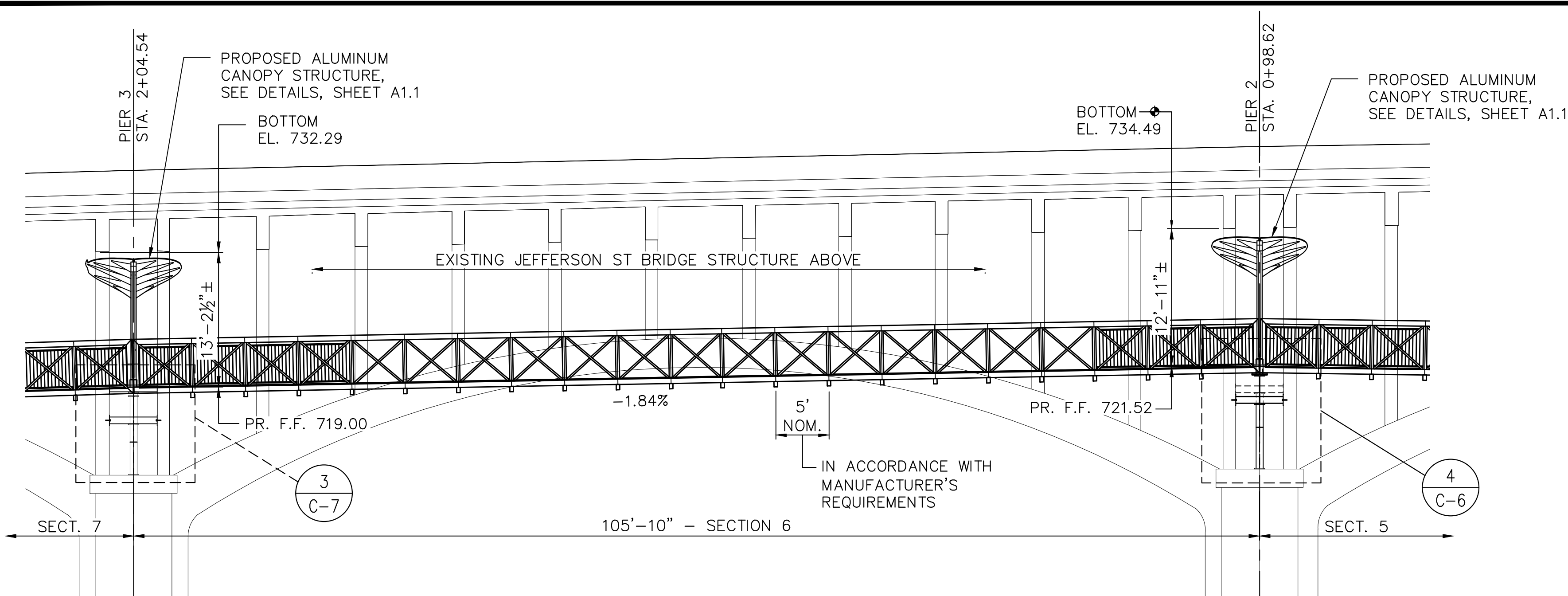
REVISIONS	DATE
No.	DESCRIPTION



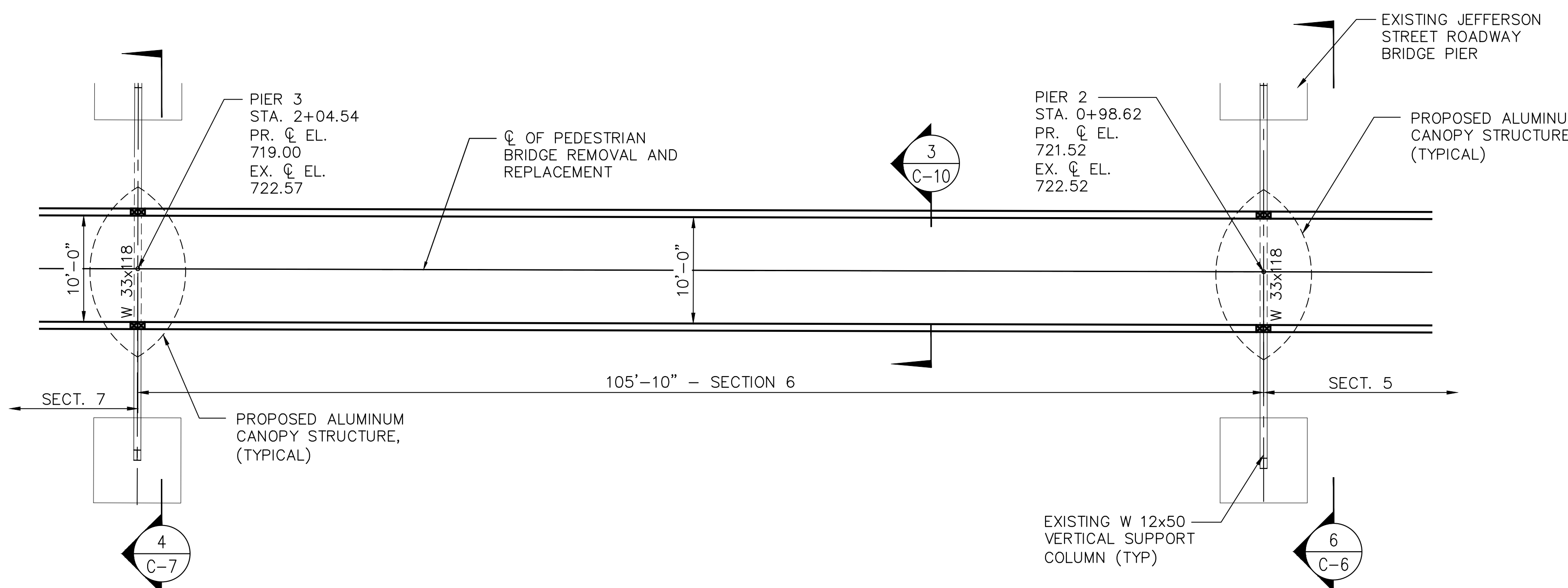
**JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION**
PLAN AND ELEVATION - SECTION 5

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Checked By: AAG
Date: 1-9-19

C-6
Sheet 6 of 20

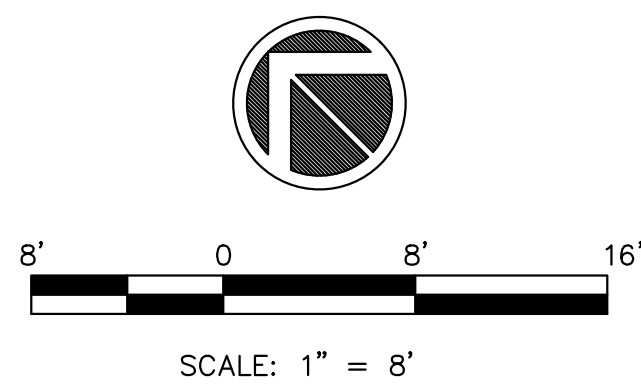


1 ELEVATION

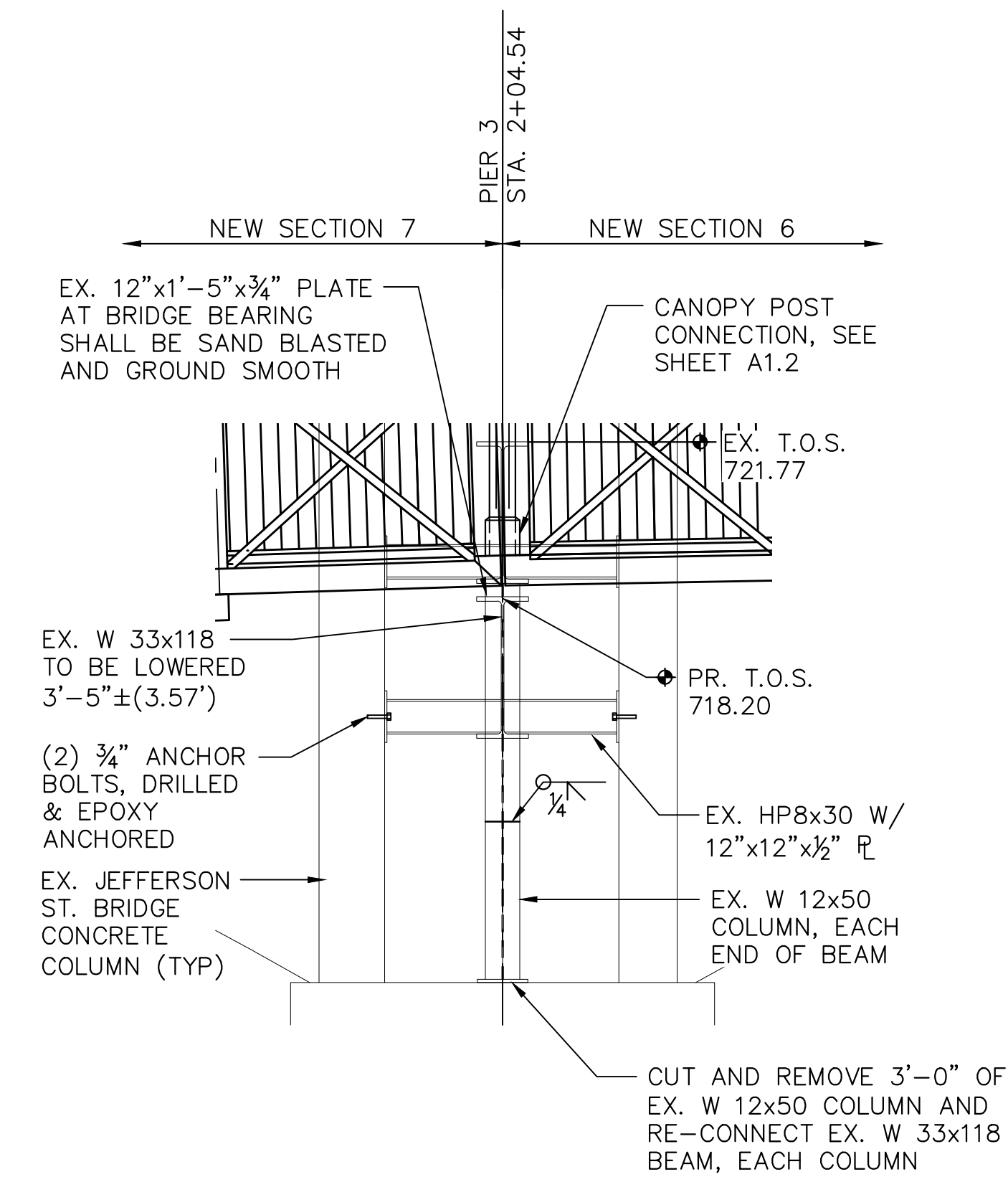


2 PLAN - SECTIONS 6

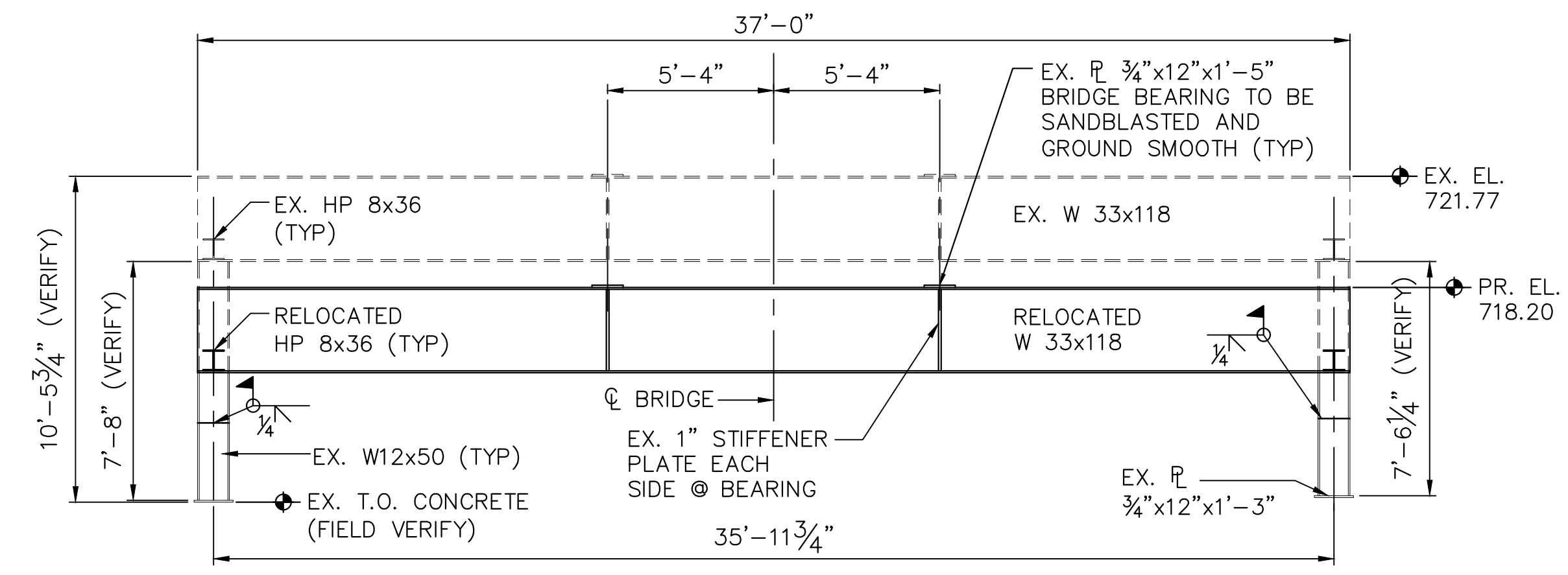
NOTE:
 ENTIRE STEEL SUPPORT STRUCTURE SHALL BE SAND BLASTED, PRIMED AND PAINTED IN ACCORDANCE WITH SPECIAL PROVISION, CLEANING AND PAINTING EXISTING STRUCTURAL STEEL. COST TO BE INCLUDED IN THE CONTRACT PRICE FOR MODIFY EXISTING BEAMS.



SCALE: 1" = 8'



3 PIER 3 SUPPORT END ELEVATION



4 PIER 3 SUPPORT ELEVATION (LOOKING NORTHWEST)

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McClure
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**JEFFERSON ST. PEDESTRIAN BRIDGE
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PLAN AND ELEVATION - SECTION 6

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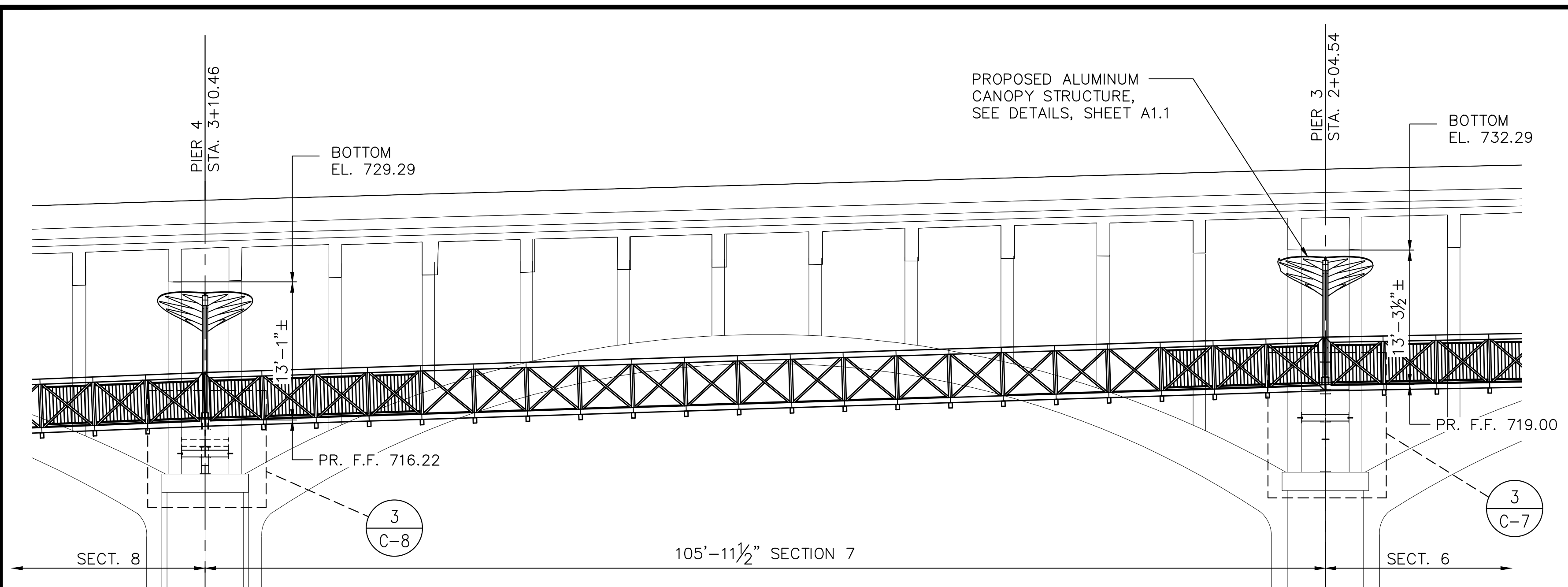
Checked By: AAG

Date: 1-9-19

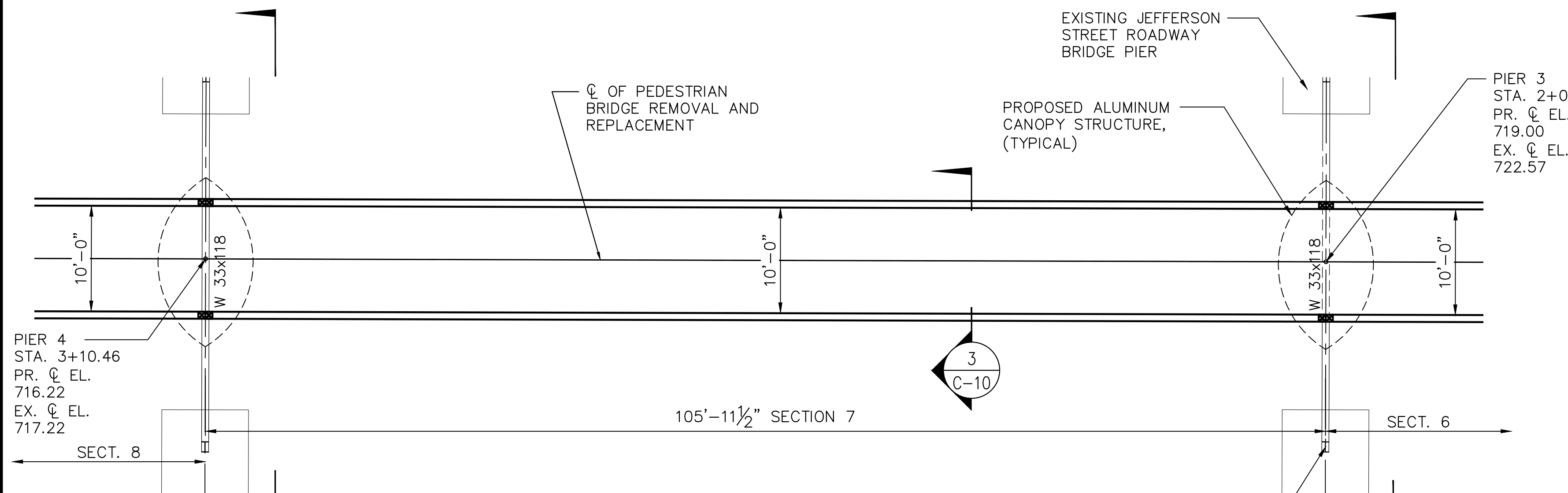
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Sheet 7 of 20

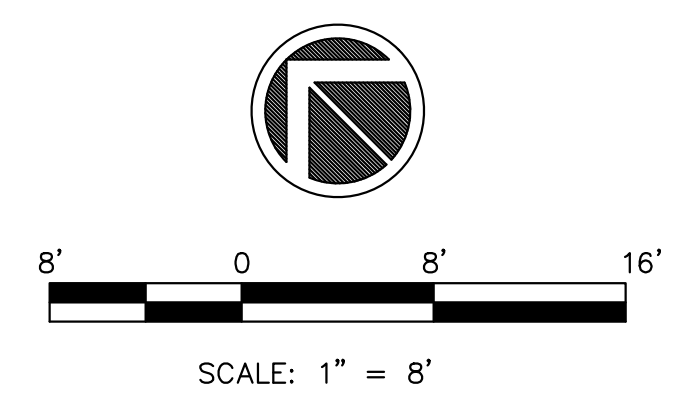
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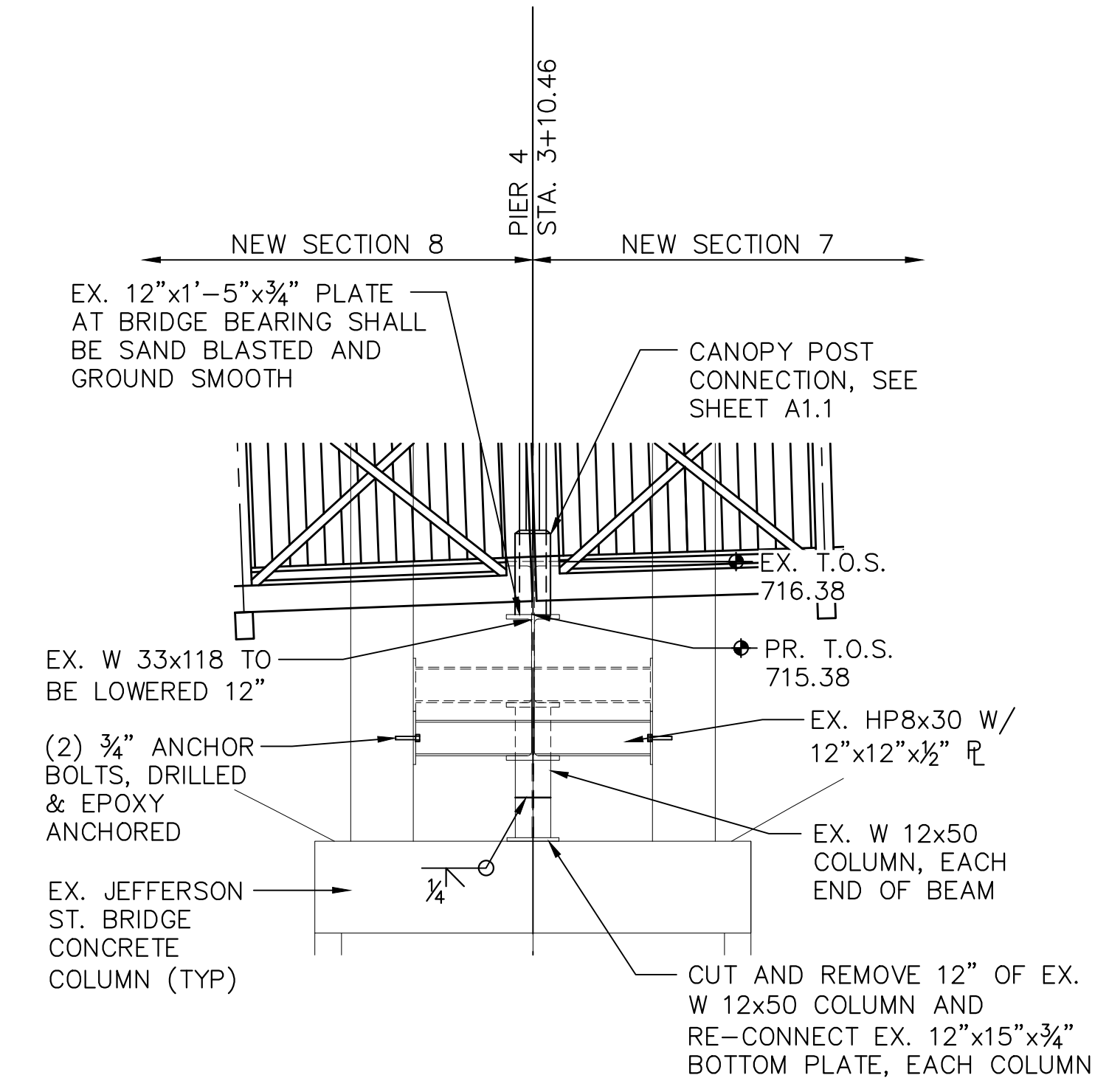
1 ELEVATION



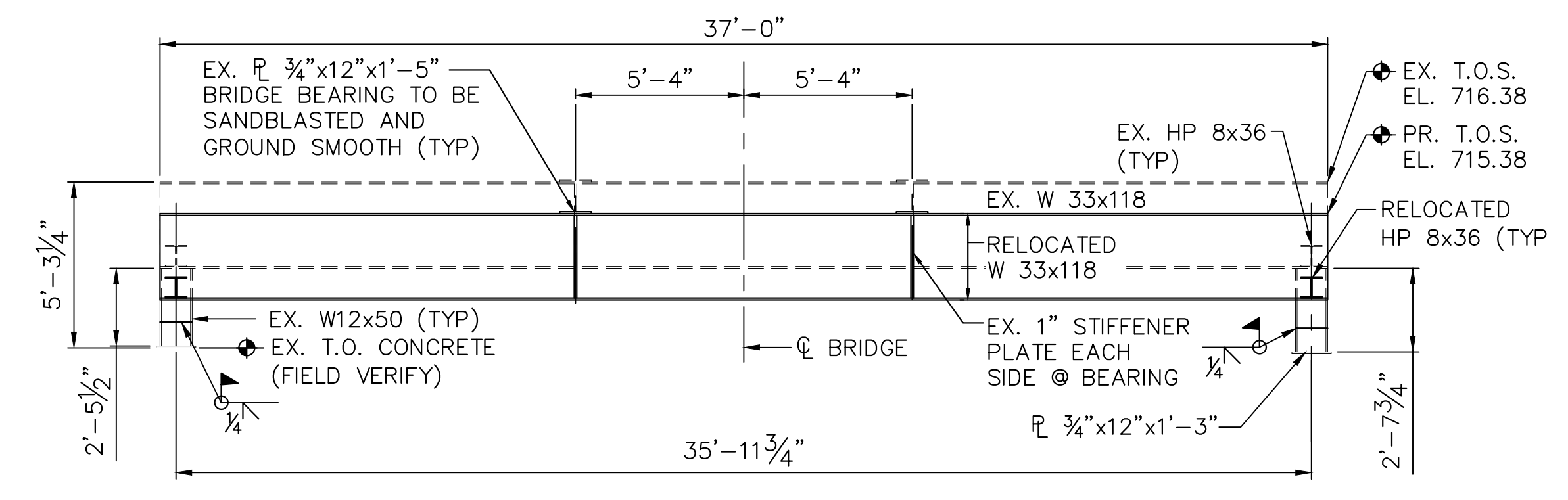
2 PLAN - SECTION 7



NOTE:
ENTIRE STEEL SUPPORT STRUCTURE SHALL BE SAND BLASTED, PRIMED AND PAINTED IN ACCORDANCE WITH SPECIAL PROVISION, CLEANING AND PAINTING EXISTING STRUCTURAL STEEL. COST TO BE INCLUDED IN THE CONTRACT PRICE FOR MODIFY EXISTING BEAMS.



3 PIER 4 SUPPORT END ELEVATION



4 PIER 4 SUPPORT ELEVATION (LOOKING NORTHWEST)

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ROCKFORD, IL 61104

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PLAN AND ELEVATION - SECTION 7

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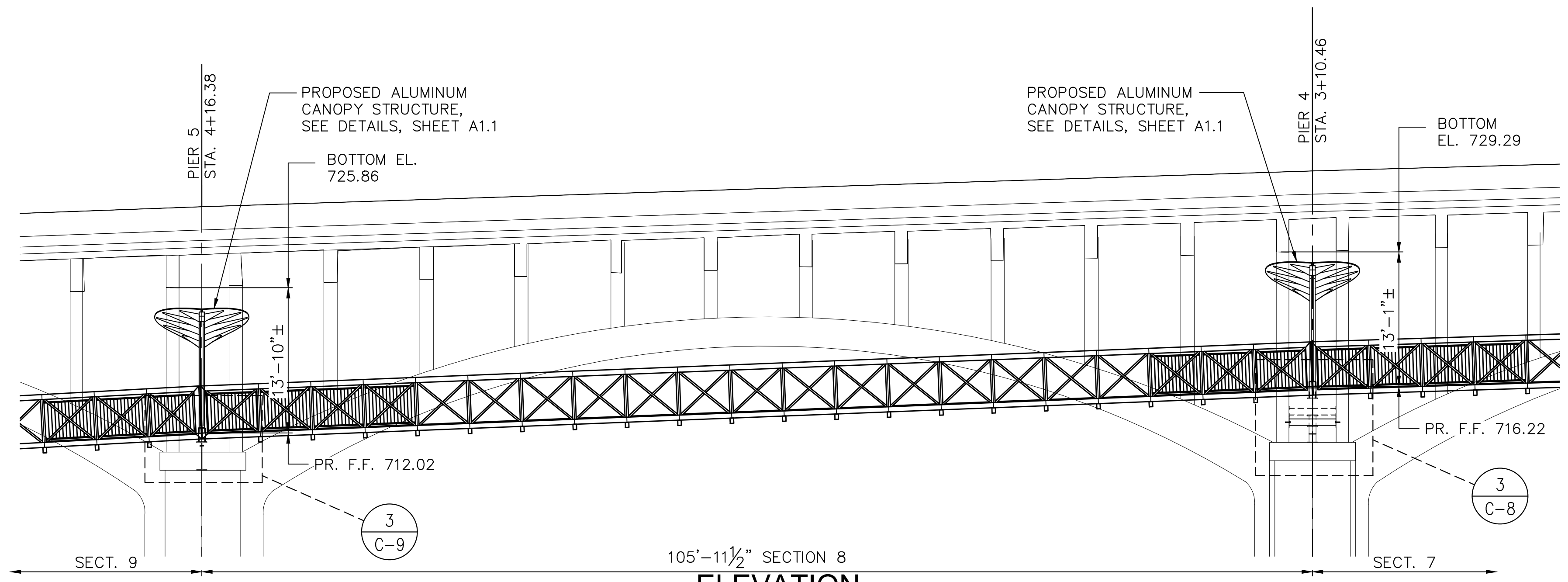
Checked By: AAG

Date: 1-9-19

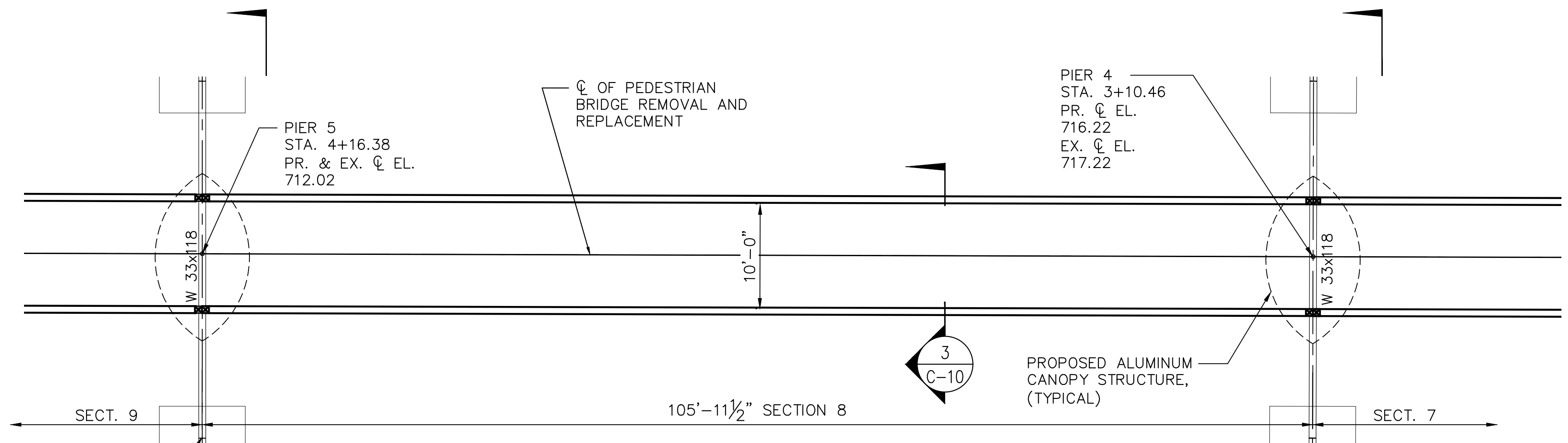
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Sheet 8 of 20

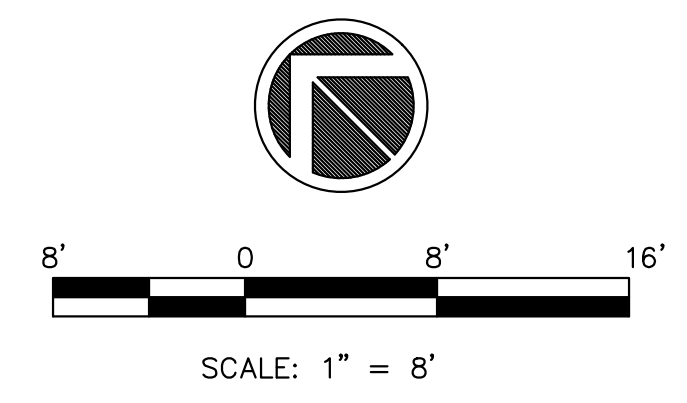
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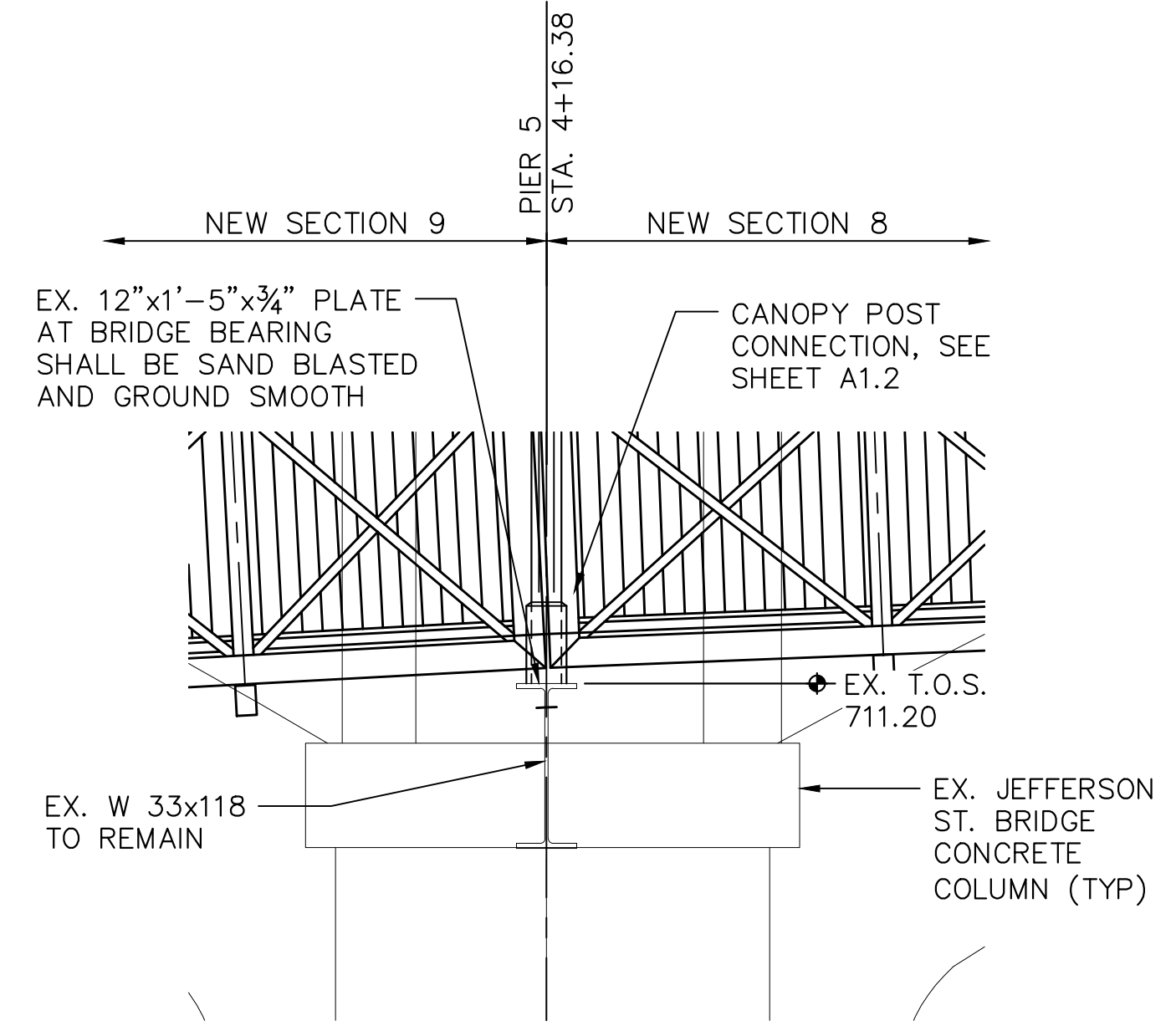
105'-11 1/2" SECTION 8
ELEVATION



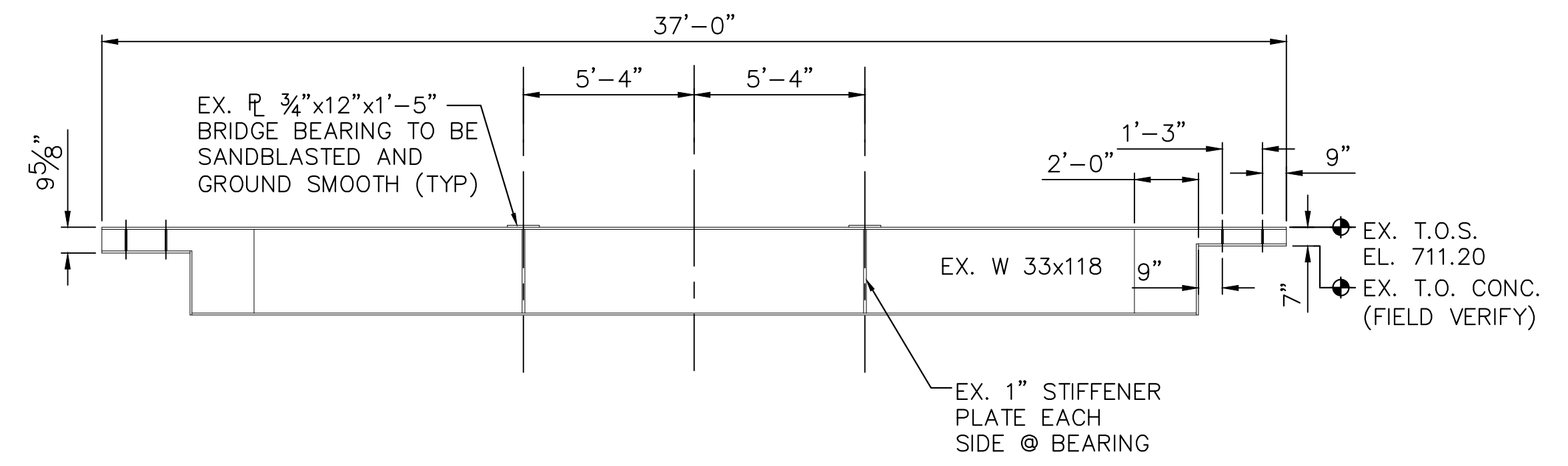
105'-11 1/2" SECTION 8
PLAN - SECTION 8



NOTE:
ENTIRE PIER 5 STEEL SUPPORT STRUCTURE SHALL BE SAND BLASTED, PRIMED AND PAINTED IN ACCORDANCE WITH SPECIAL PROVISION, CLEANING AND PAINTING EXISTING STRUCTURAL STEEL. COST TO BE INCLUDED IN THE CONTRACT PRICE EACH FOR PEDESTRIAN TRUSS SUPERSTRUCTURE



PIER 5 SUPPORT END ELEVATION



PIER 5 SUPPORT ELEVATION
(LOOKING NORTHWEST)

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Professional Engineer & Land Surveyor
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ROCKFORD, IL 61104

McClure
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PLAN AND ELEVATION - SECTION 8

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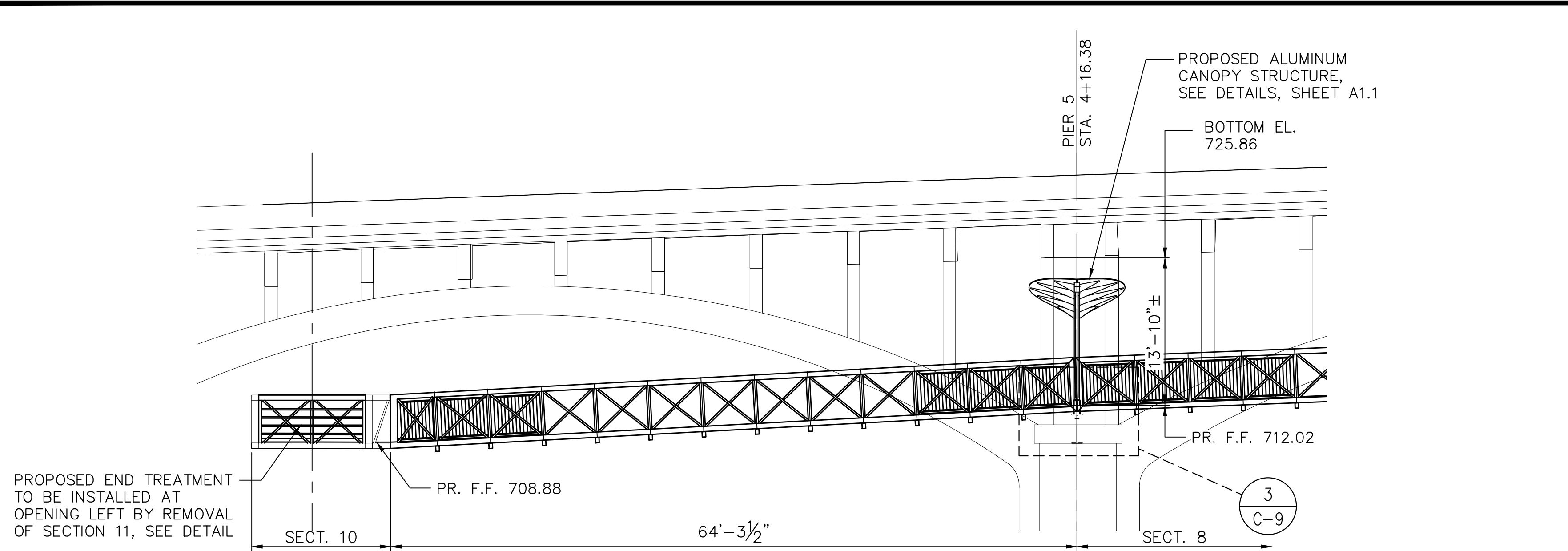
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Date: 1-9-19

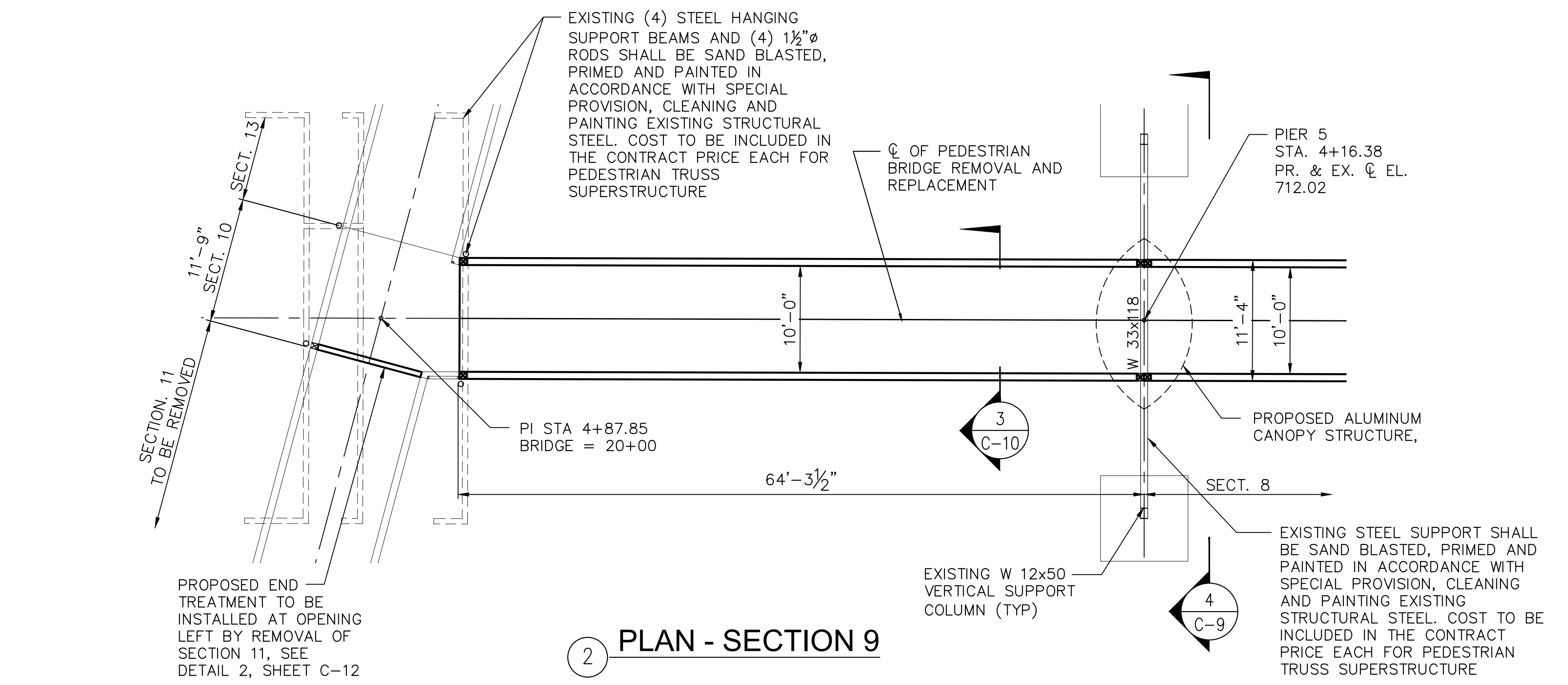
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Sheet 9 of 20

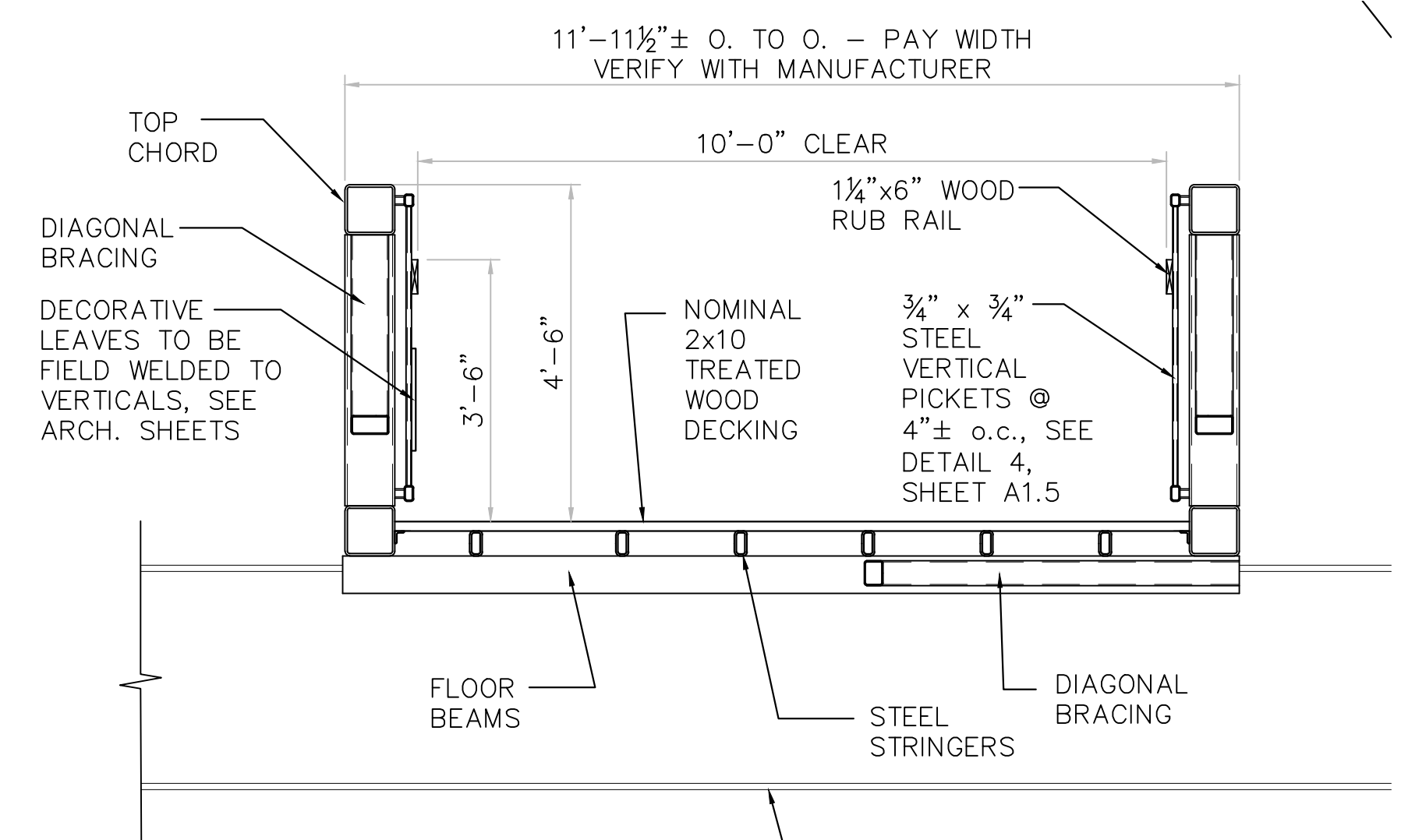
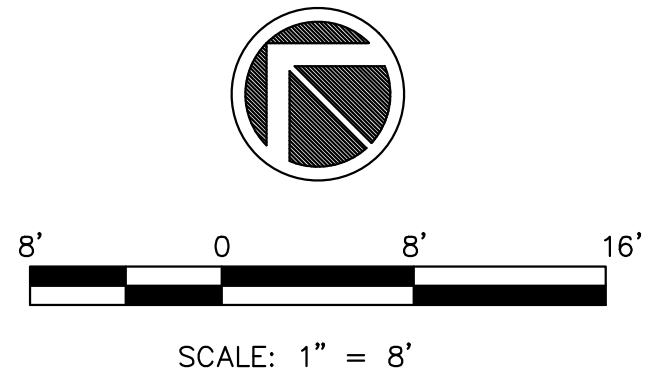
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1 ELEVATION



2 PLAN - SECTION 9



3 TYPICAL SECTION SECTIONS 5-9

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PLAN AND ELEVATION - SECTION 9

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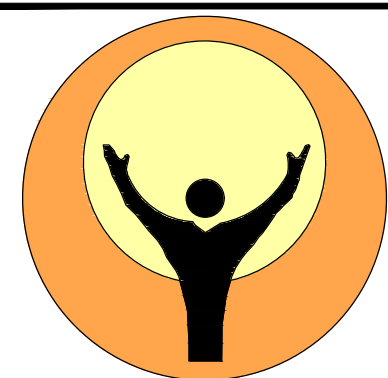
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Sheet 10 of 20

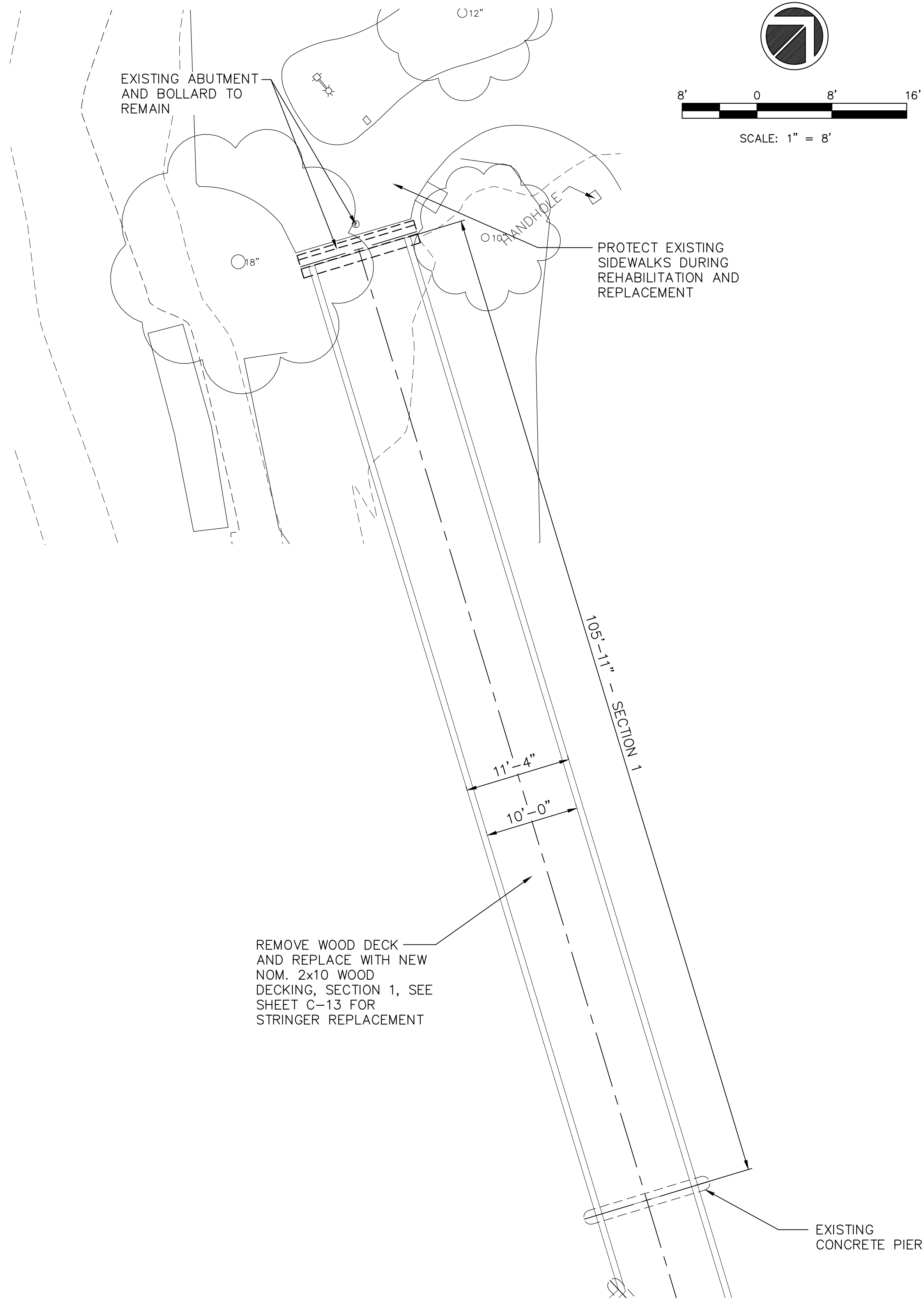
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 Rockford, Illinois
 (815) 987-8800

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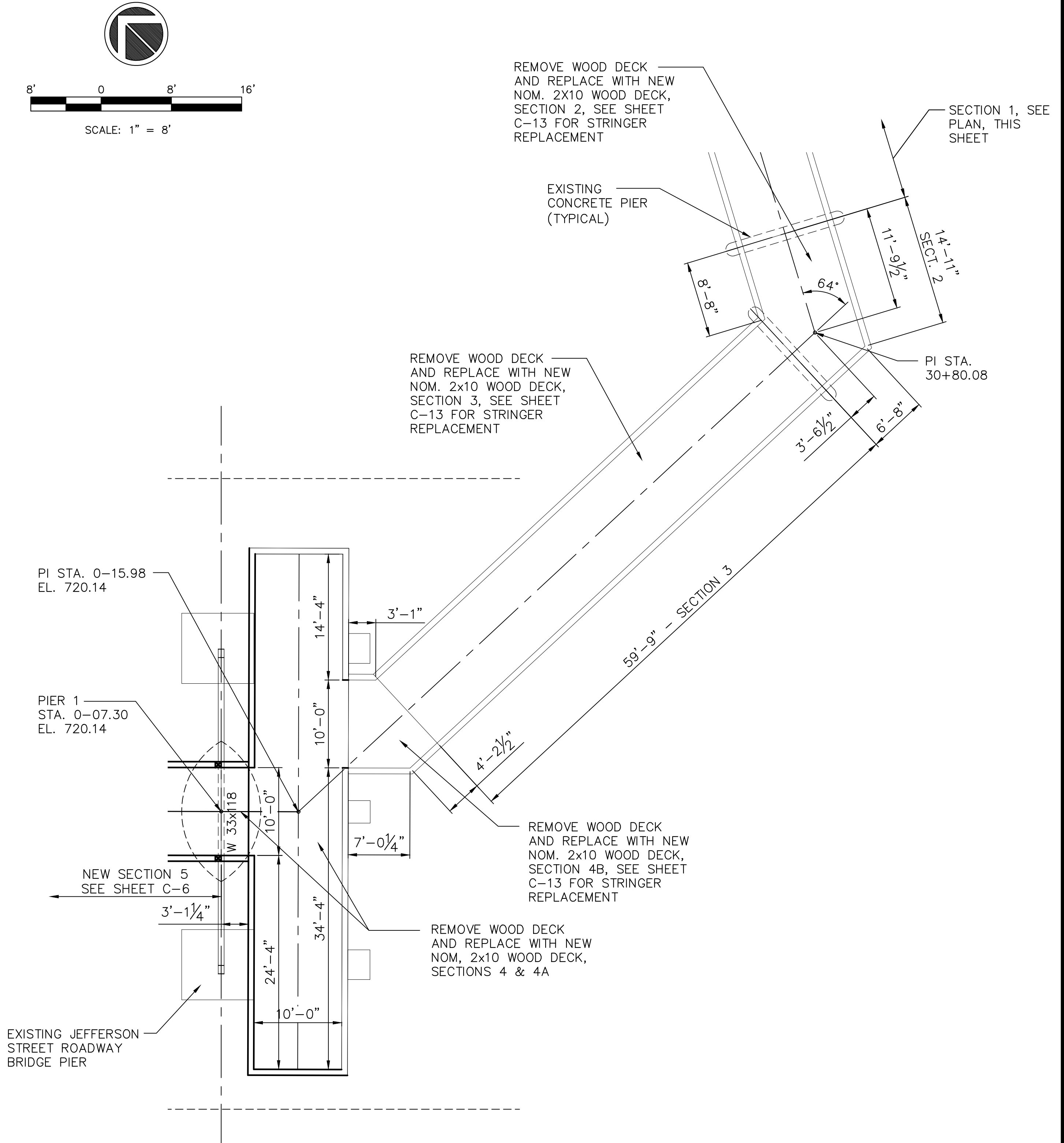
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2 PLAN - SECTION 1



2 PLAN - SECTIONS 2,3,4, 4A & 4B

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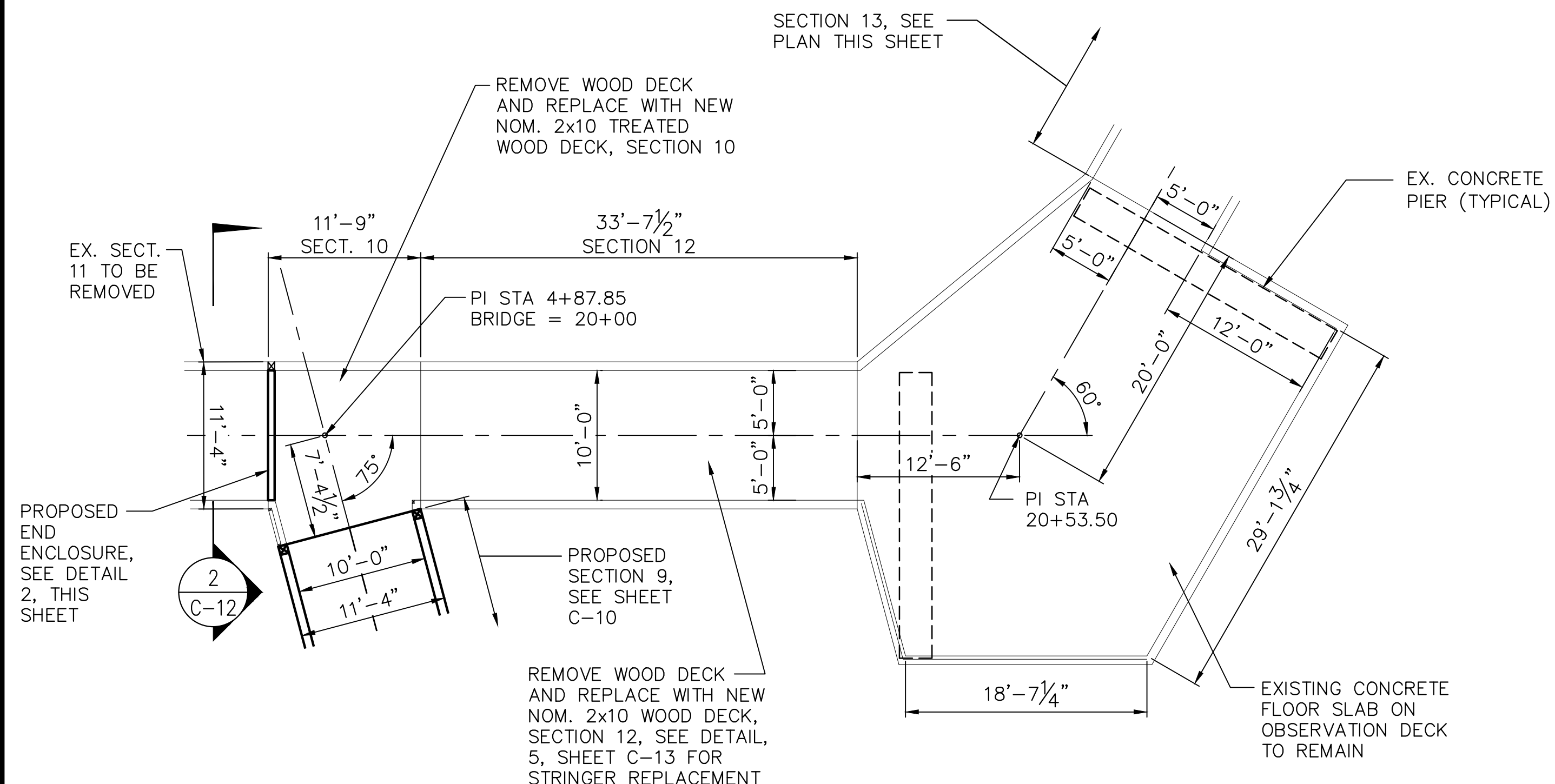
McClure
Engineering Associates, Inc.
FORMERLY
Missman, Inc.
Professional Engineers & Land Surveyors

**JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION**
REHAB. PLAN - SECTION 1 THRU 4B

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Sheet 11 of 20

Contract # 85679

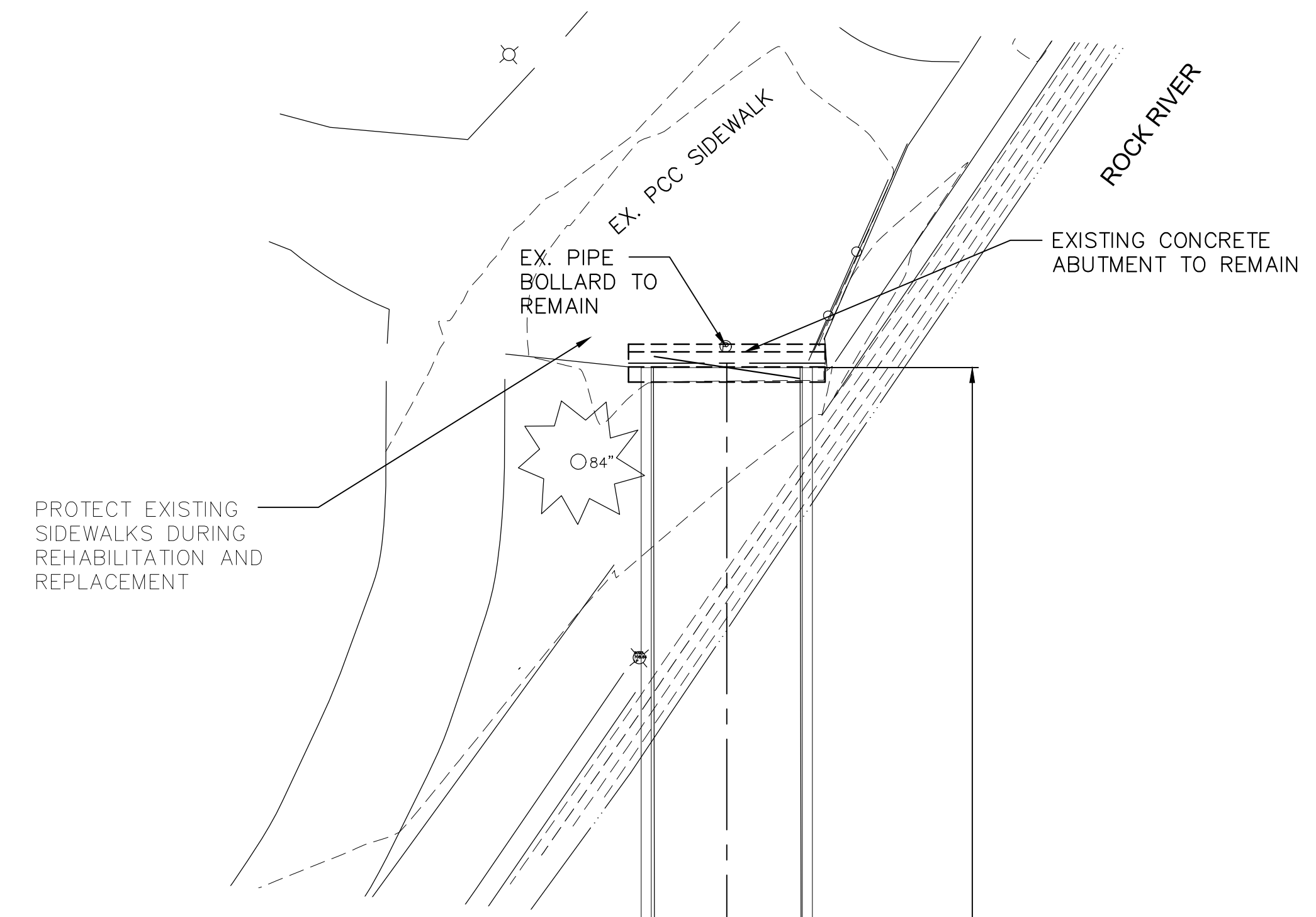


1 PLAN - SECTIONS 10,13 & OBSERVATION DECK



2 END ENCLOSURE DETAIL

NOTE:
 FURNISHING AND INSTALLING END ENCLOSURE AS DETAILED SHALL BE INCLUDED IN THE CONTRACT PRICE PER POUND FOR FURNISHING AND ERECTING STRUCTURAL STEEL
 APPROXIMATE WEIGHT = 485 LBS.



3 PLAN - SECTION 13

**ROCKFORD
 PARK DISTRICT**
 401 S. MAIN STREET
 Rockford, Illinois
 (815) 987-8800

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No.		

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 ROCKFORD, IL 61104
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JEFFERSON ST. PEDESTRIAN BRIDGE
 REPLACEMENT AND REHABILITATION
 REHAB. PLAN - SECTIONS 10, 12 & 13

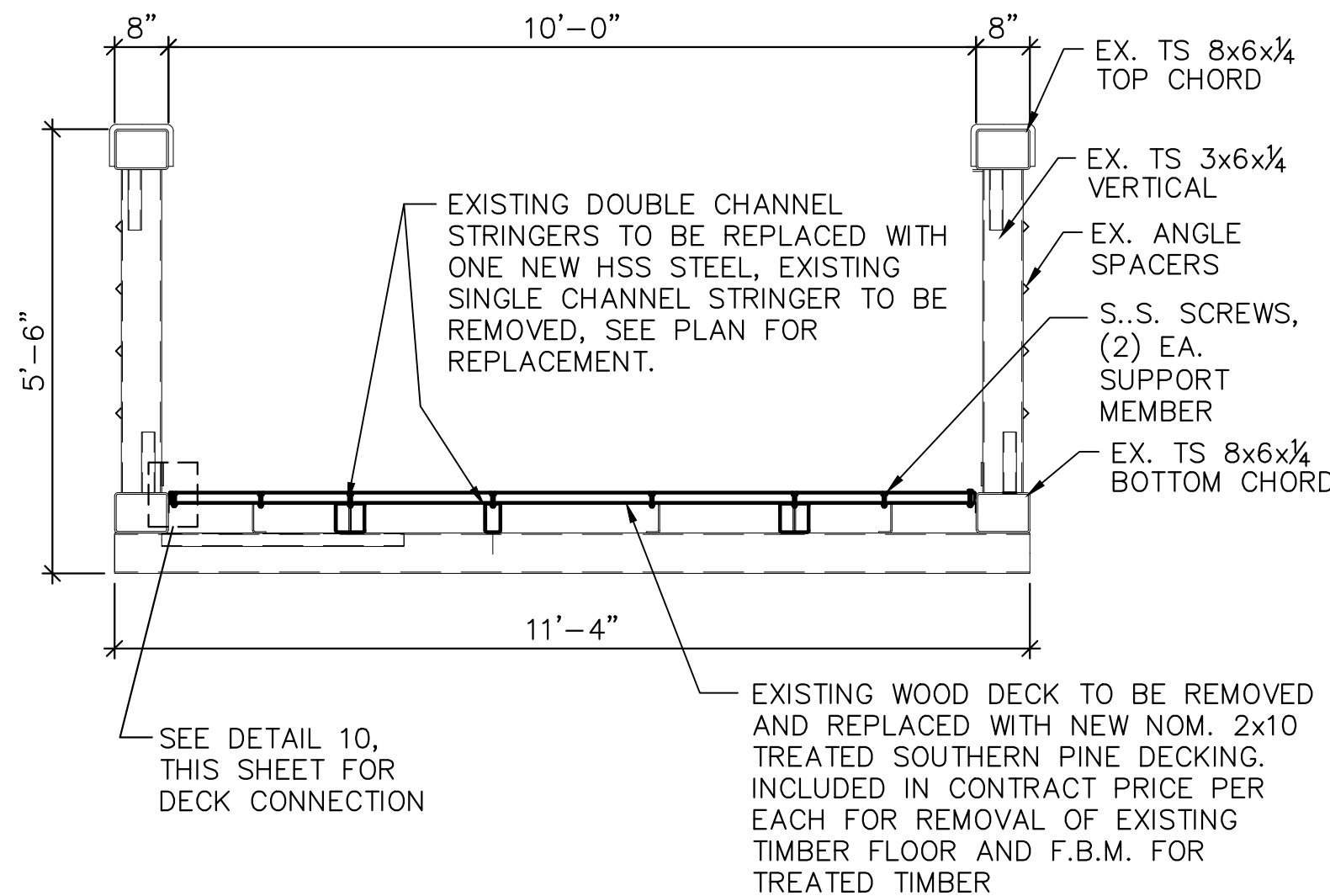
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C-12
 Sheet 12 of 20

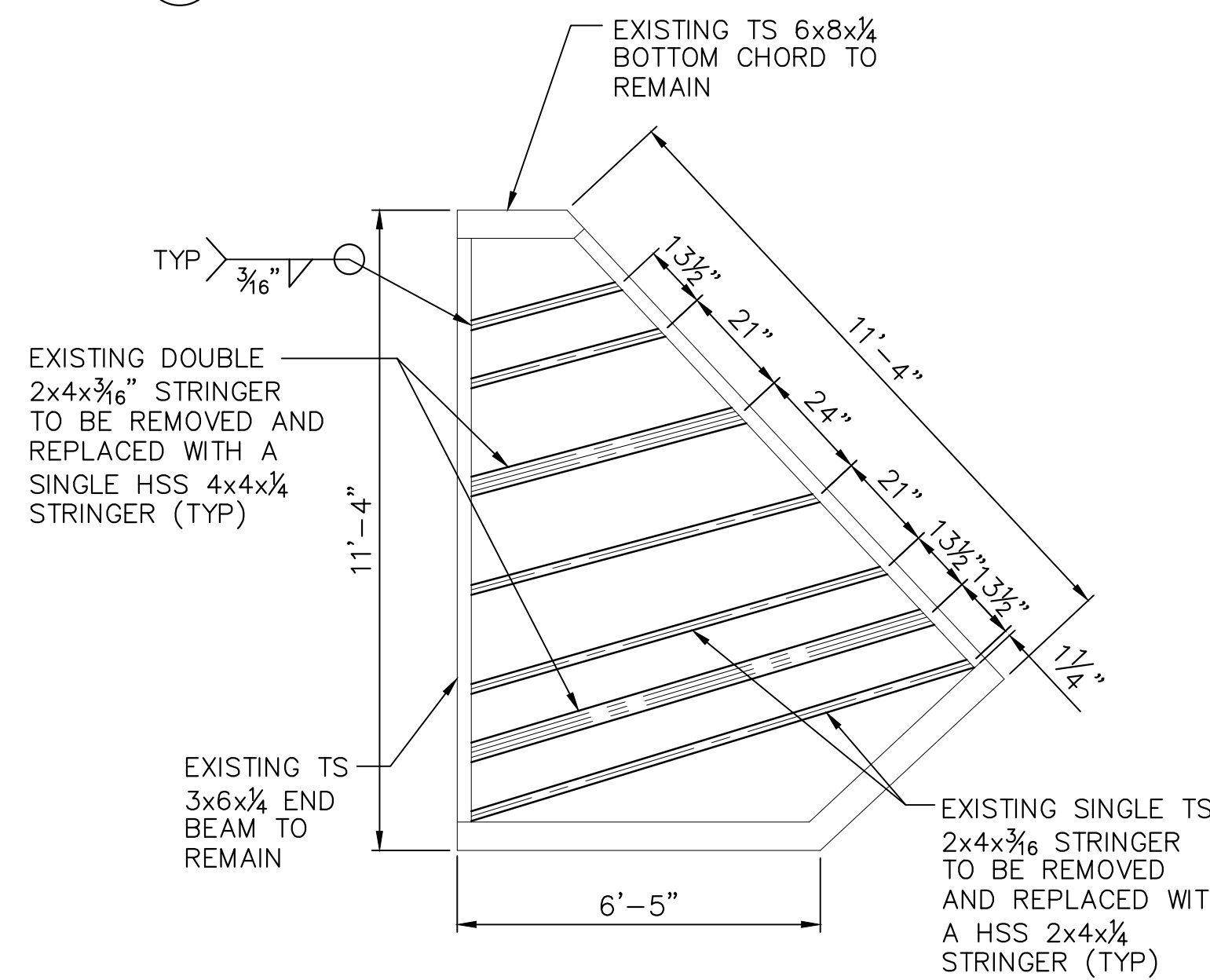
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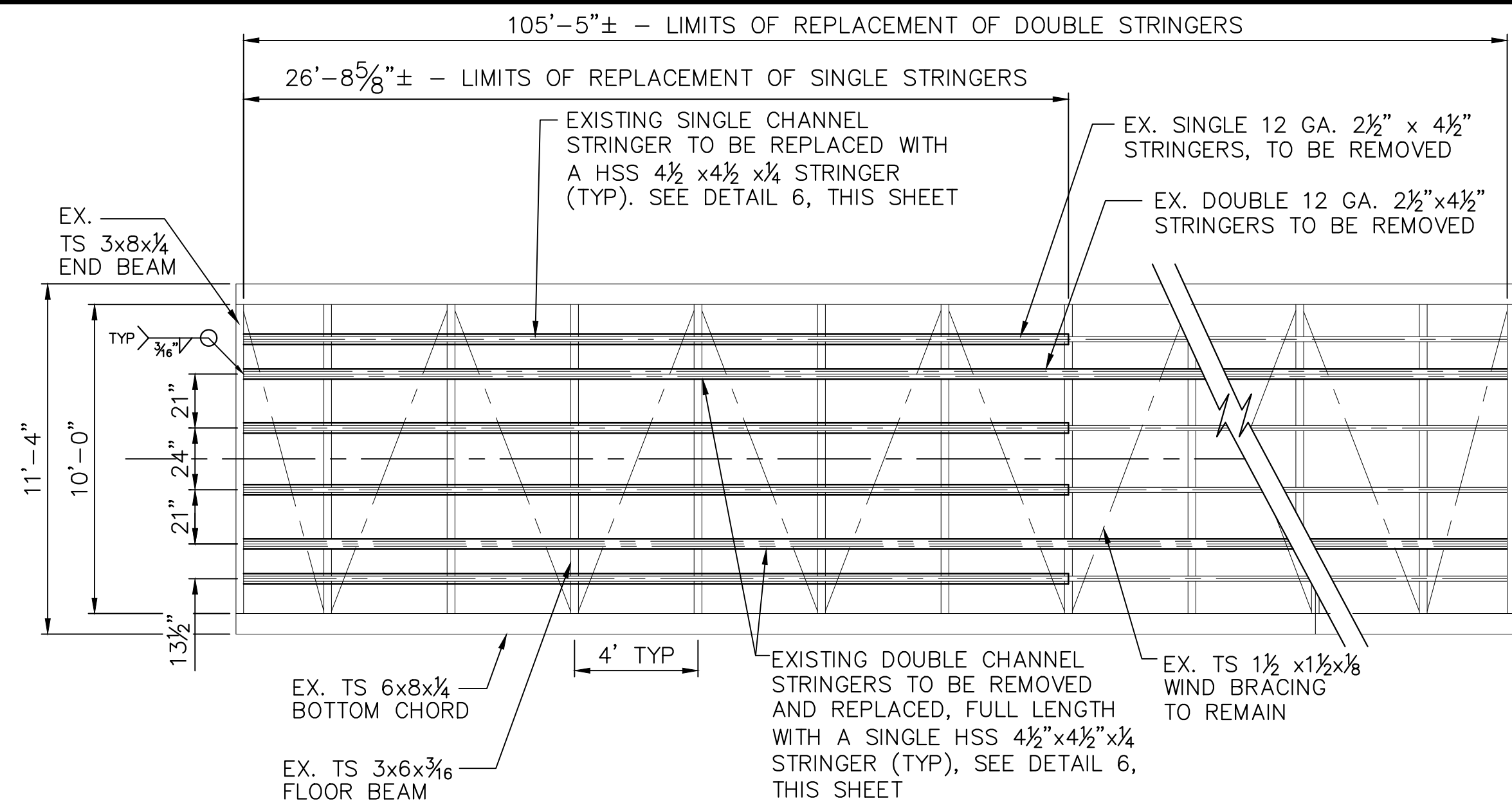
1. SIZE OF STRINGERS VARY FROM SECTION TO SECTION. THESE DETAILS REPRESENT THE TYPICAL INSTALLATION. CONTRACTOR TO VERIFY ALL STRINGER SIZES AND EXTENT OF REPLACEMENT PRIOR TO ORDERING MATERIALS.
2. COST FOR REPLACEMENT OF DETERIORATED STRINGERS SHALL INCLUDE ALL LABOR AND MATERIALS REQUIRED FOR REPLACEMENT AND SHALL BE INCLUDED IN THE CONTRACT PRICE PER POUND FOR REMOVING STRUCTURAL STEEL AND FURNISHING AND ERECTING STRUCTURAL STEEL.



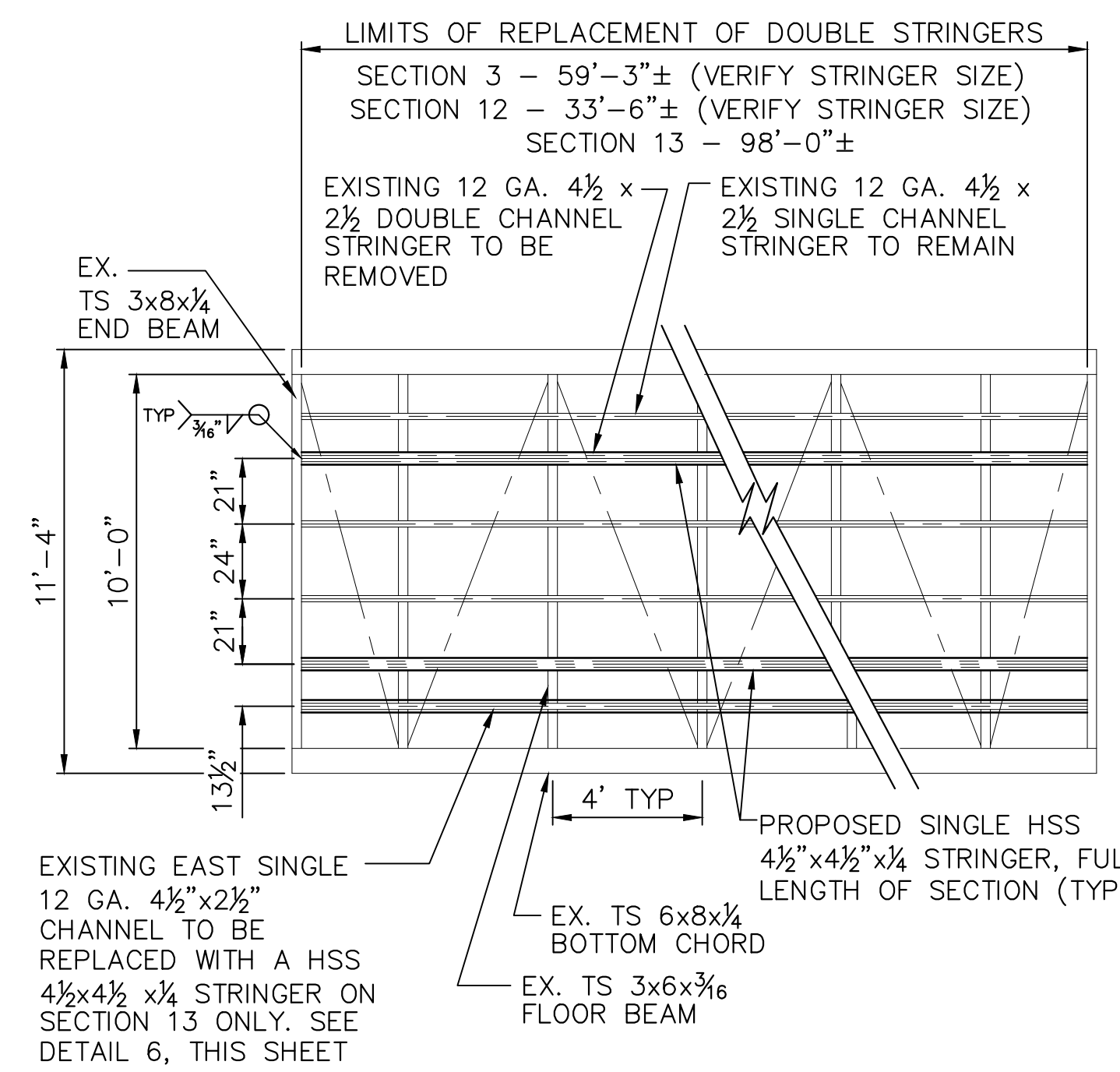
1 TYPICAL BRIDGE SECTION



4 SECTION 4B REHAB PLAN

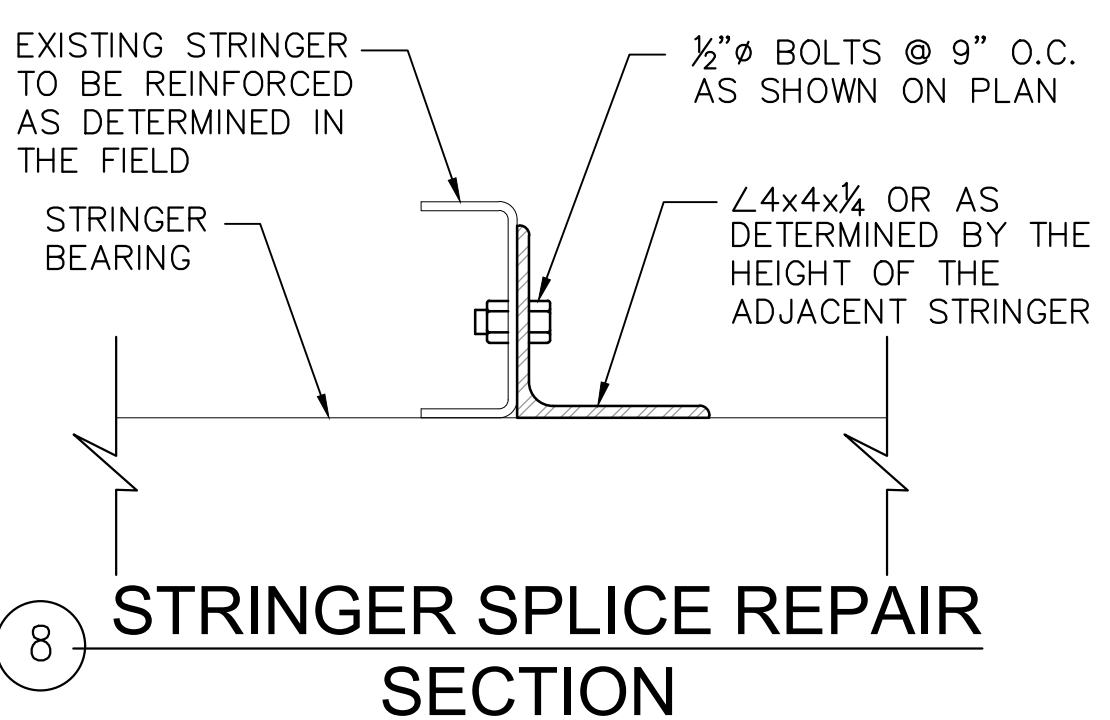


2 SECTION 1 REHAB PLAN

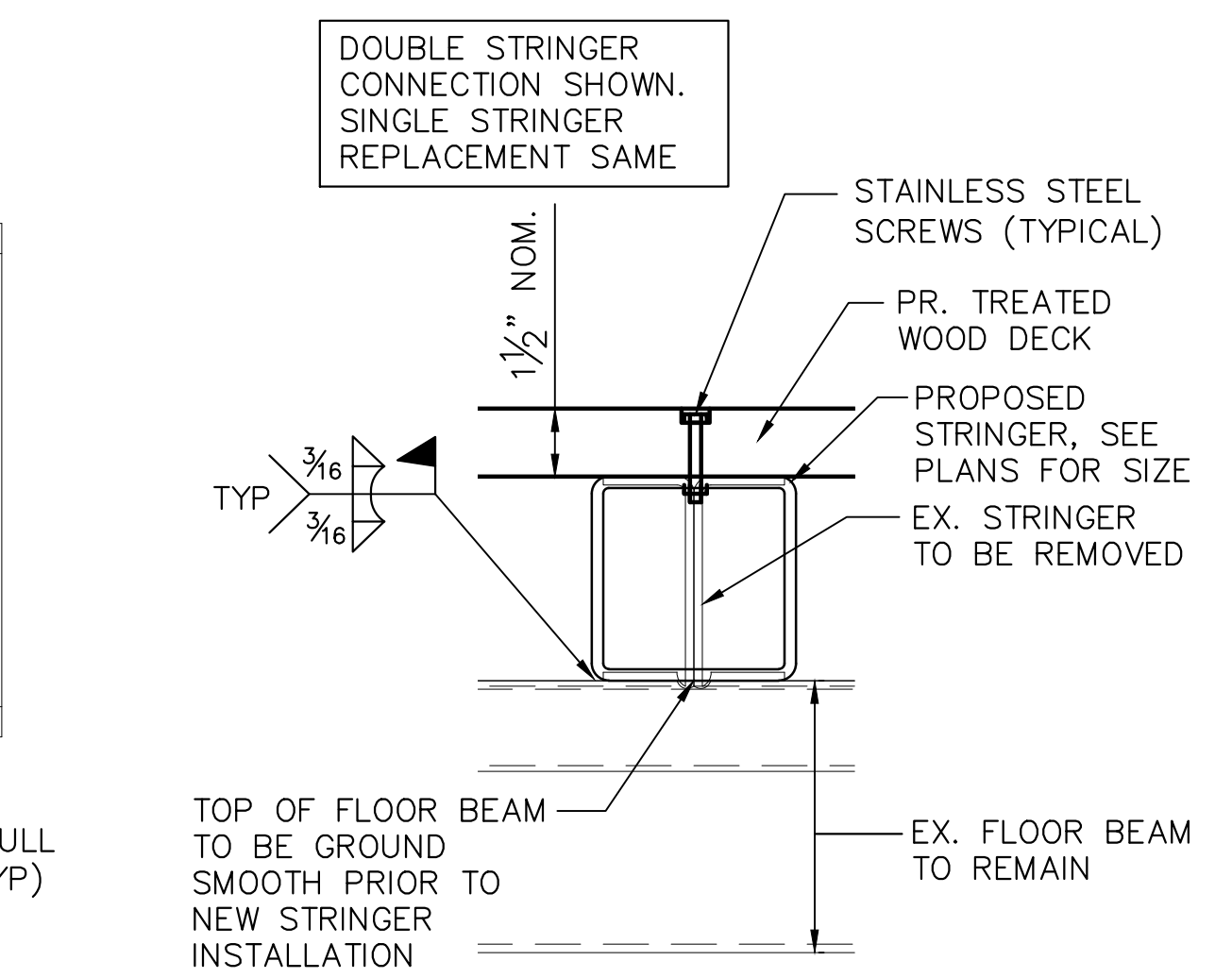


5 SECTIONS 3, 12 & 13 REHAB PLAN

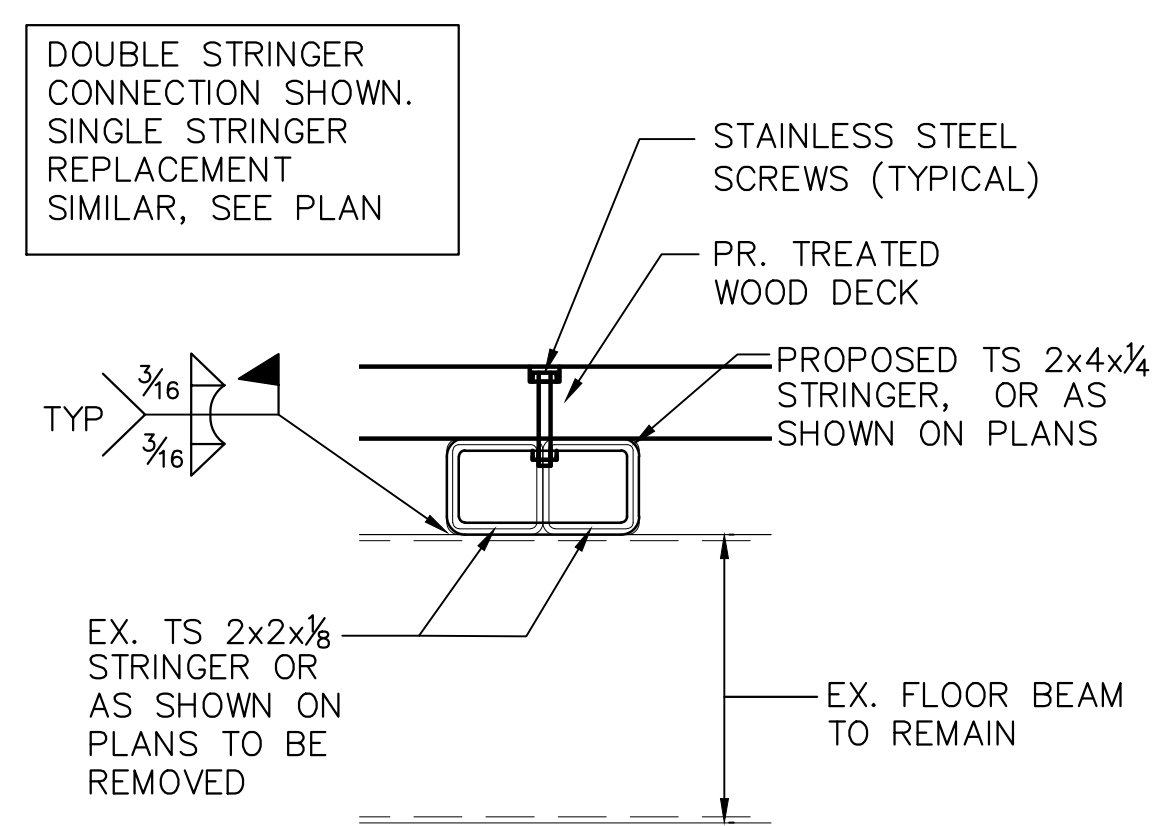
NOTE:
AS DETERMINED IN THE FIELD BY THE ENGINEER AT LOCATIONS WHERE EXISTING STRINGER SPLICES HAVE DETERIORATED THE CONTRACTOR SHALL REINFORCE THE SPLICE PER THE DETAILS SHOWN. MEASUREMENT AND PAYMENT SHALL BE PER EACH AT THE CONTRACT UNIT PRICE FOR STRINGER SPLICE REPAIR.



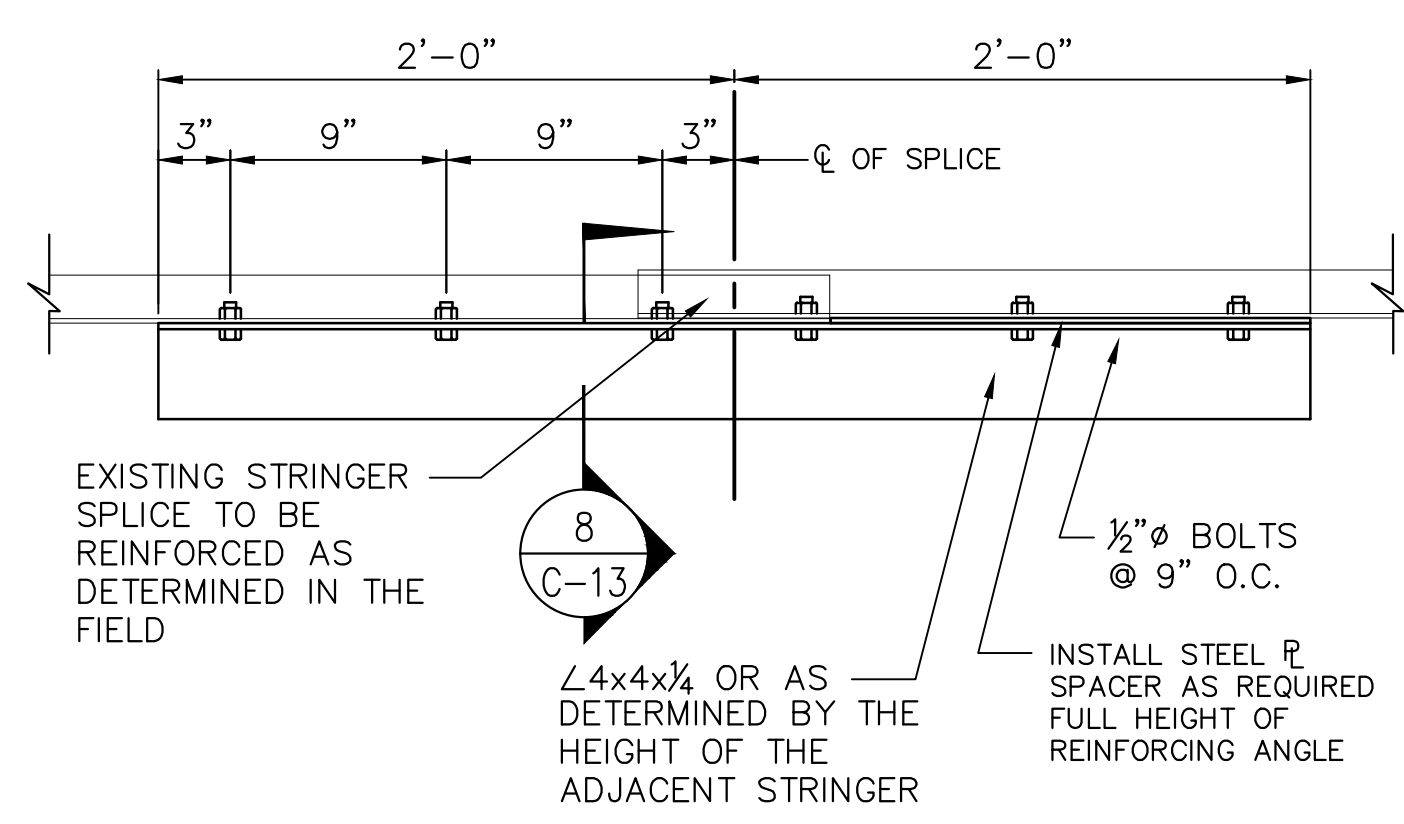
8 STRINGER SPLICE REPAIR SECTION



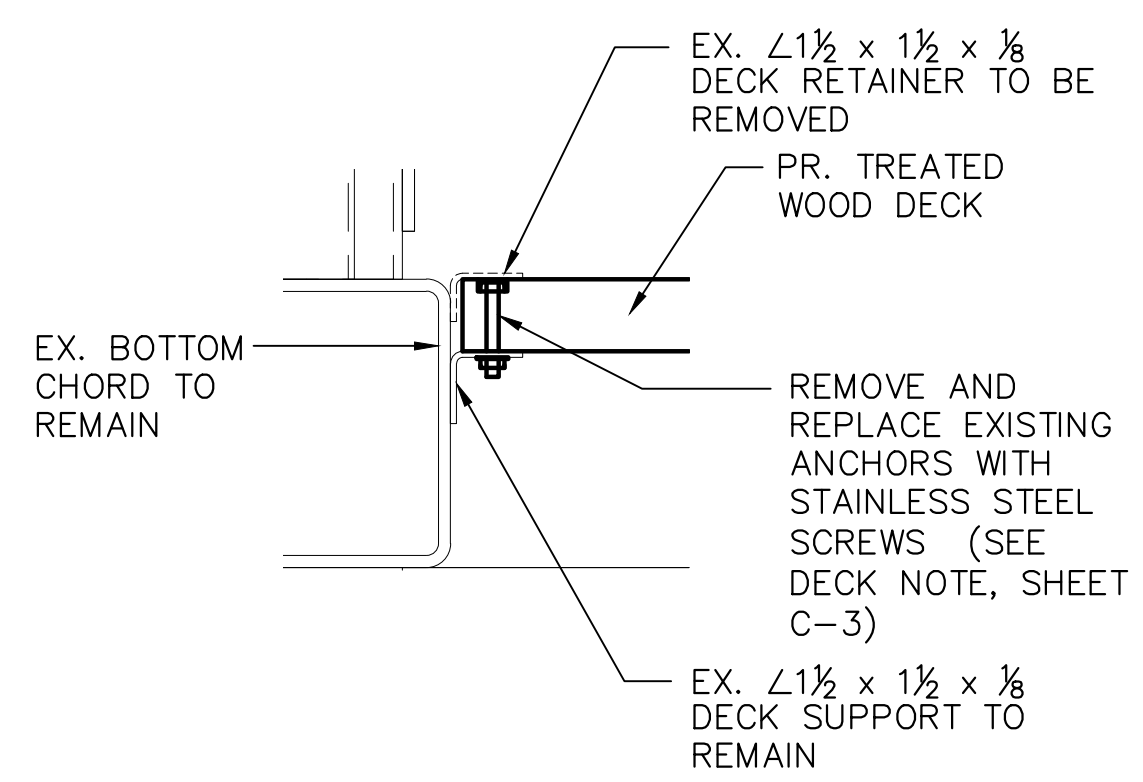
6 TYPICAL STRINGER CONNECTION SECTION



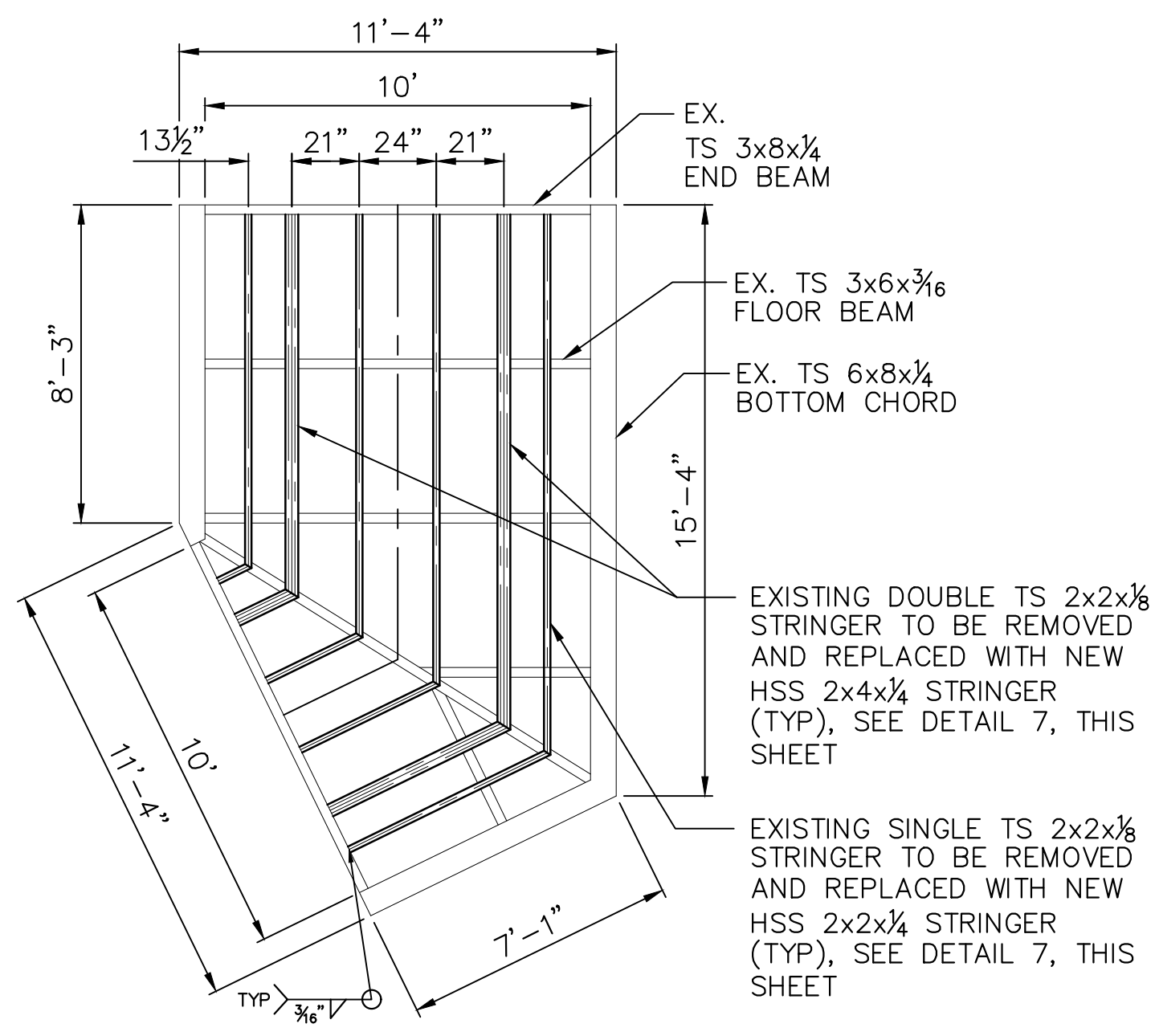
7 TYPICAL STRINGER CONNECTION SECTION



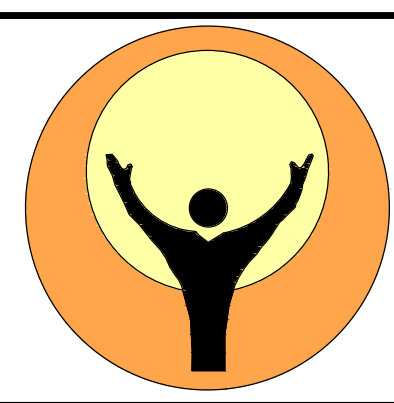
9 STRINGER SPLICE REPAIR PLAN



10 DECK CONNECTION DETAIL



3 SECTION 2 REHAB PLAN



ROCKFORD PARK DISTRICT
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NO.	REVISIONS	DESCRIPTION	DATE
1	REVISED	MEASUREMENT FOR TIMBER R. & R.	2-25-19



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Engineering Associates, Inc.

JEFFERSON ST. PEDESTRIAN BRIDGE
REPLACEMENT AND REHABILITATION
REHABILITATION PLANS AND DETAILS

IMEG Project No:
18000426.00

File Name:
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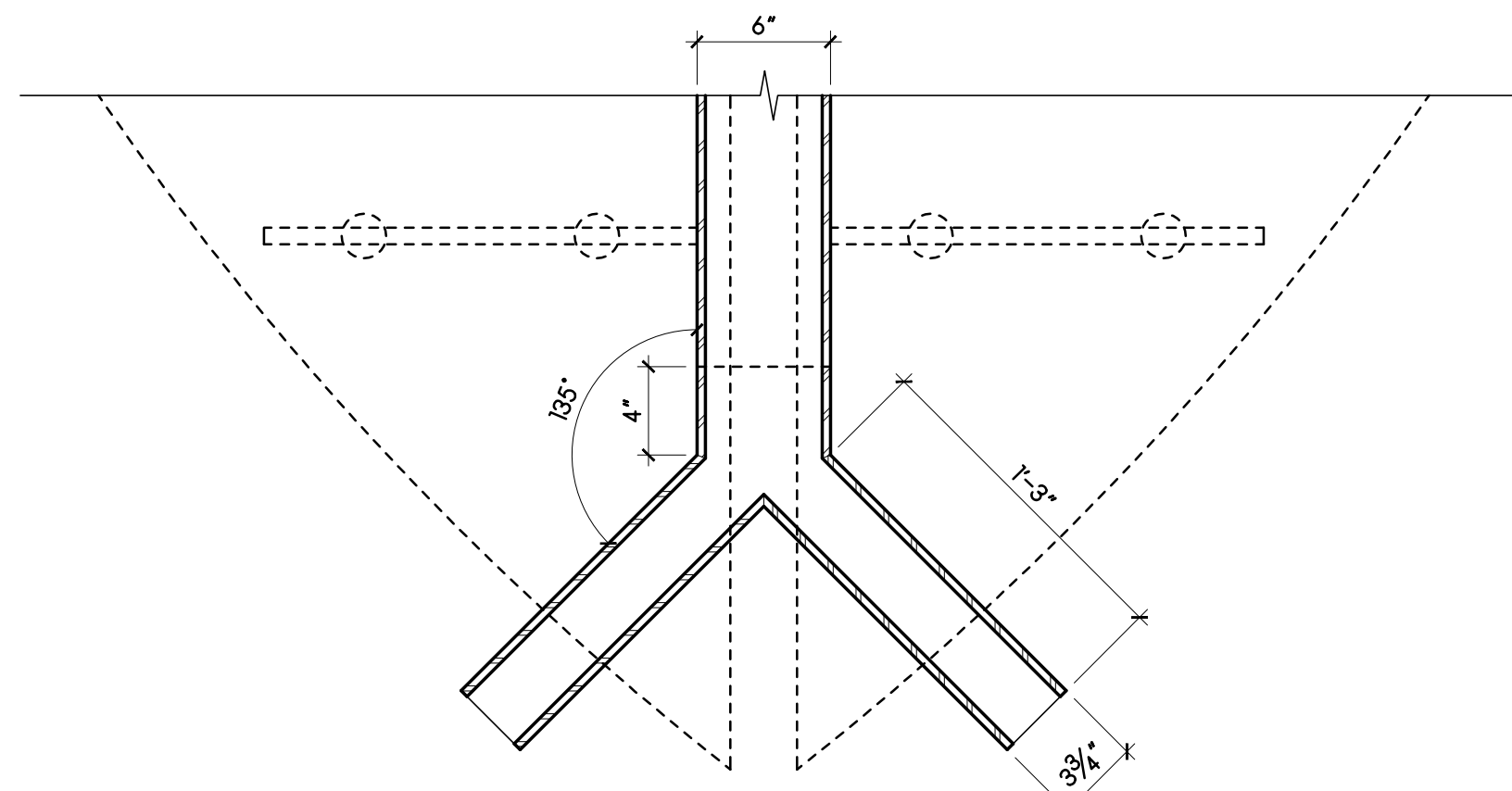
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Checked By: AAG

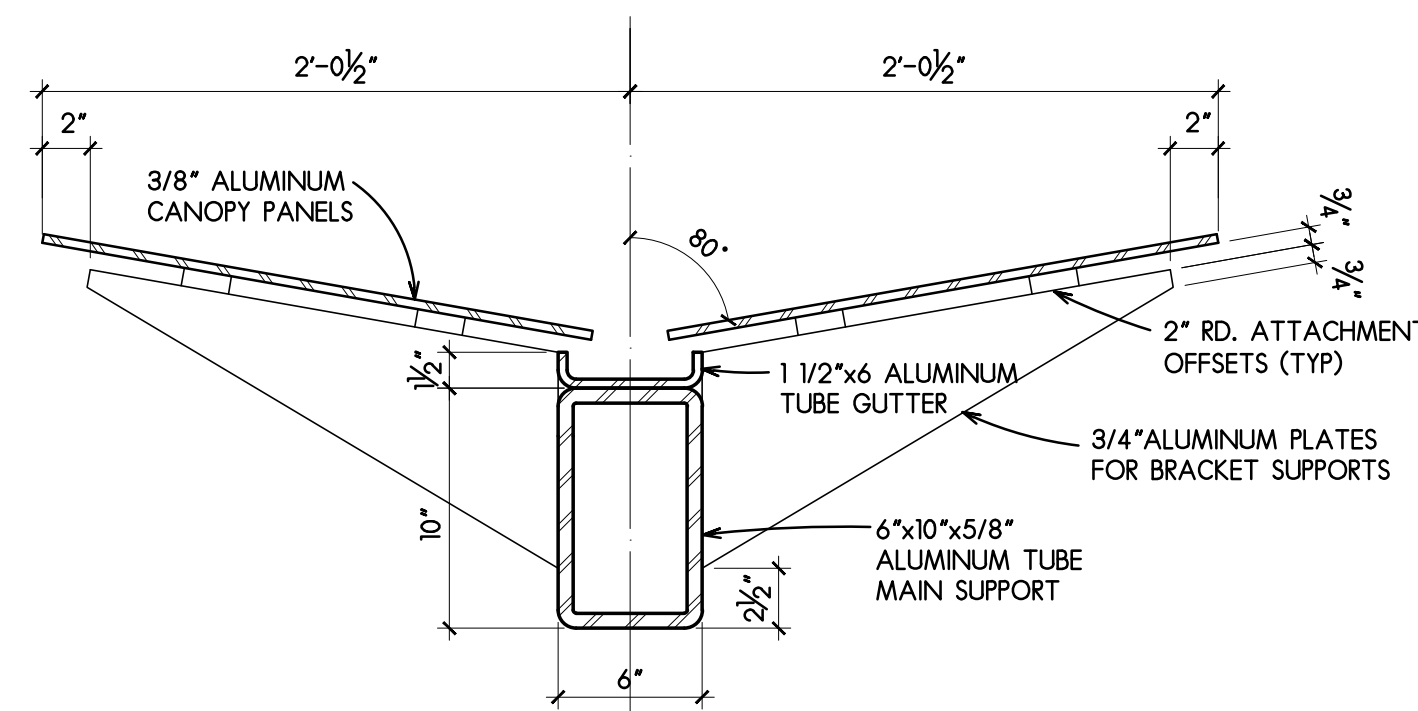
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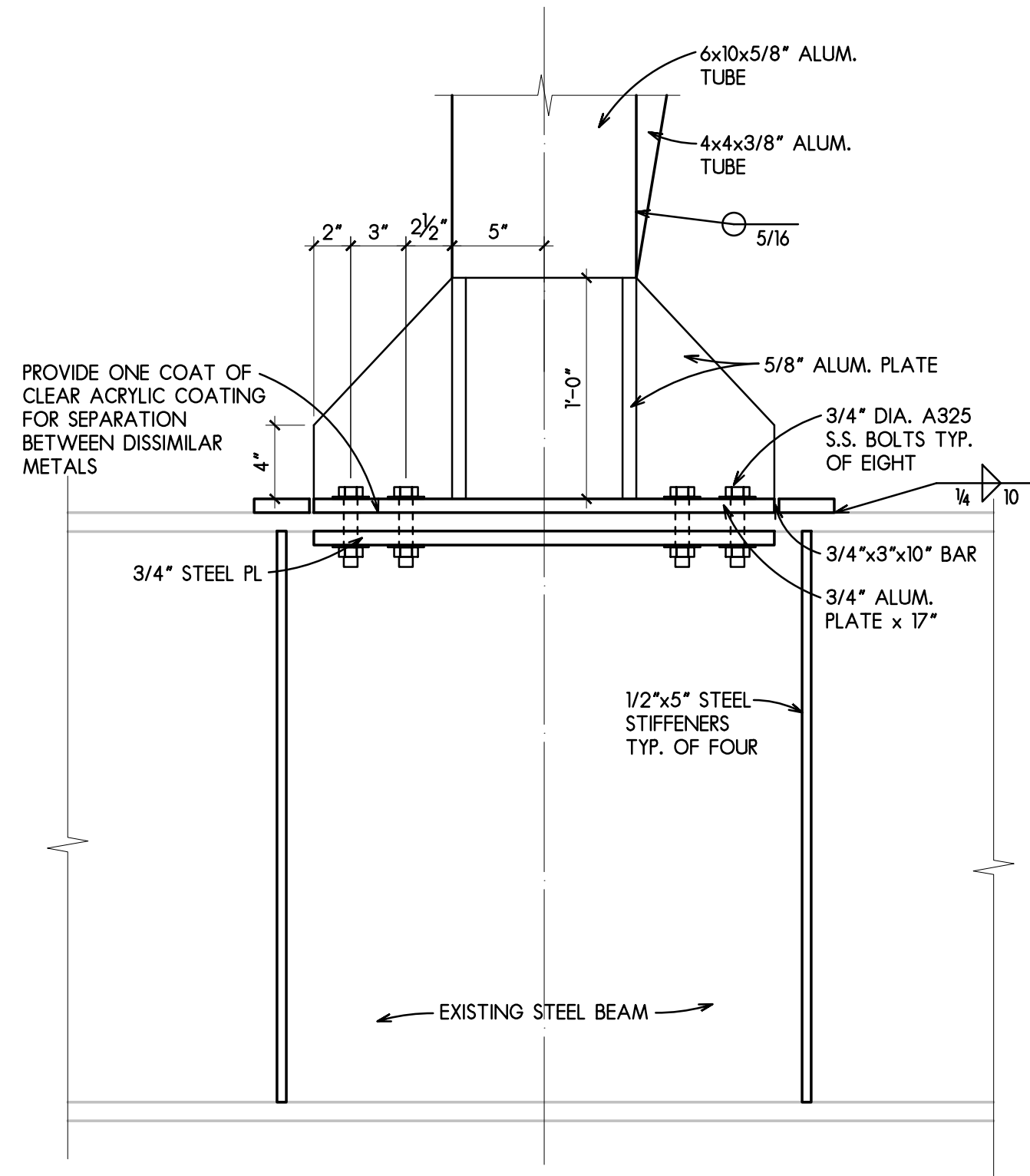
Sheet 13 of 20



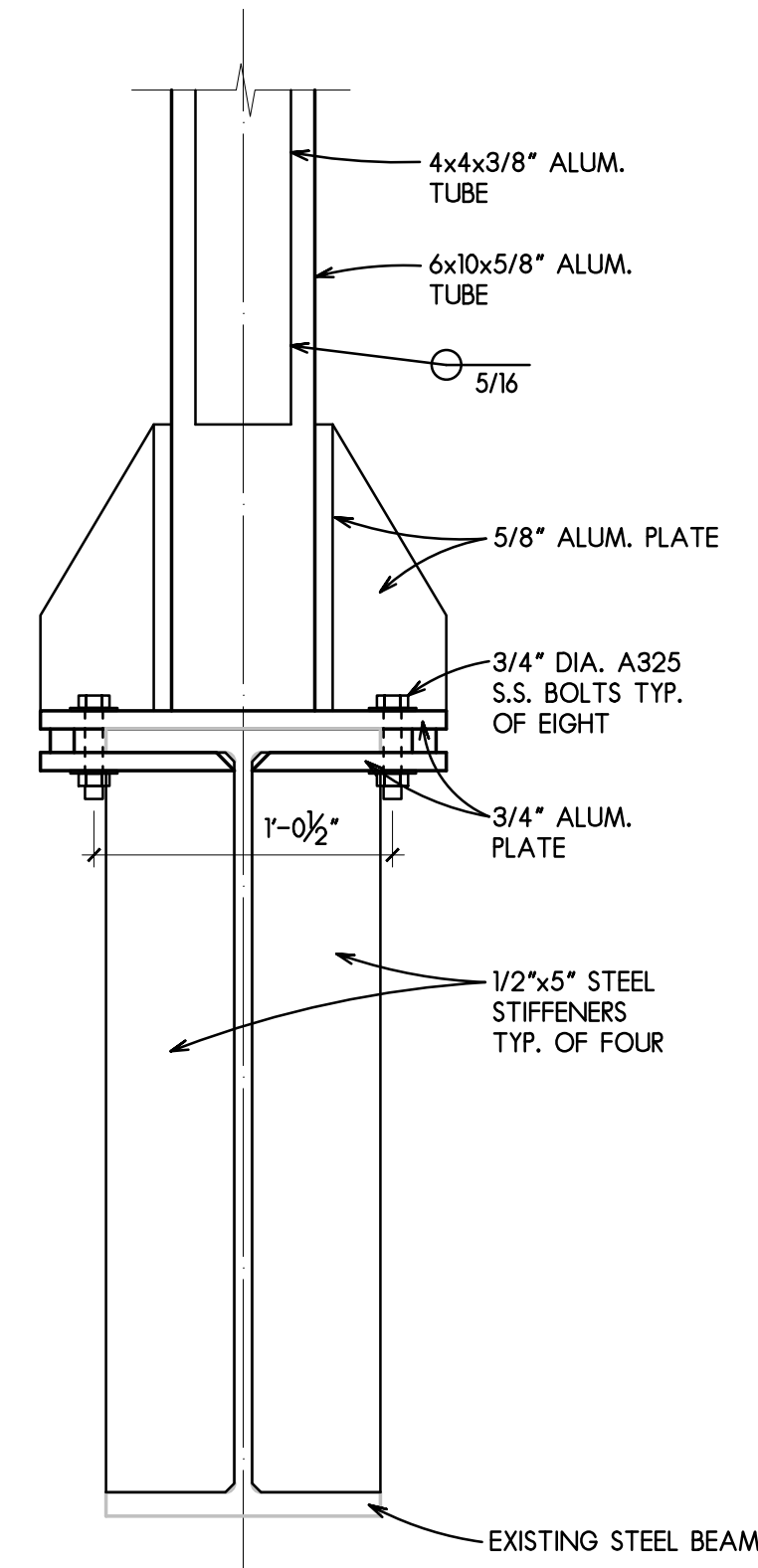
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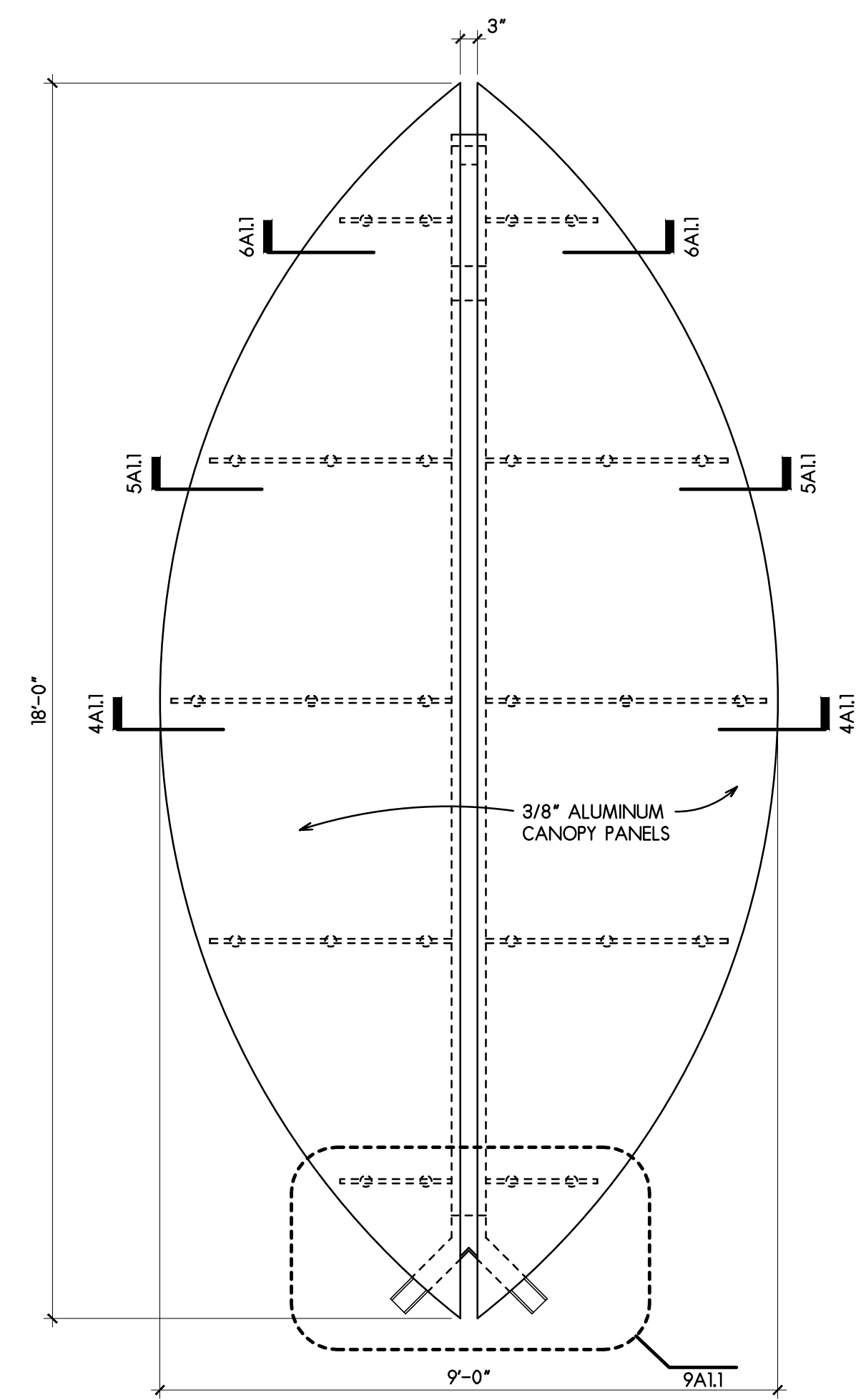
6 CANOPY ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



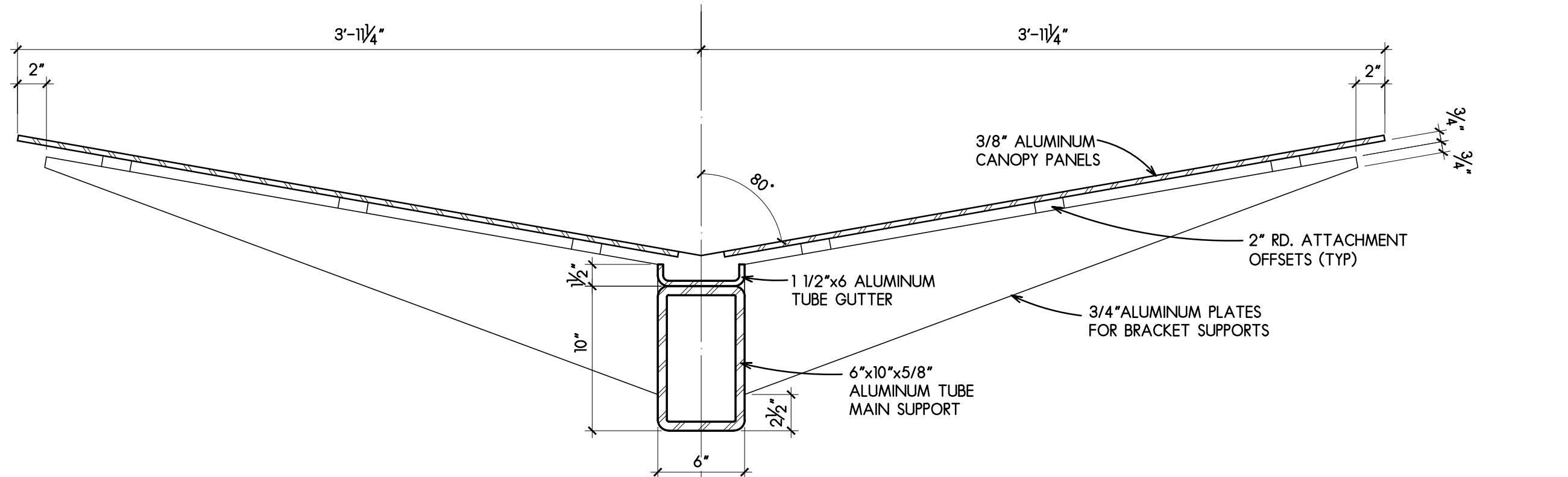
7 CANOPY ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



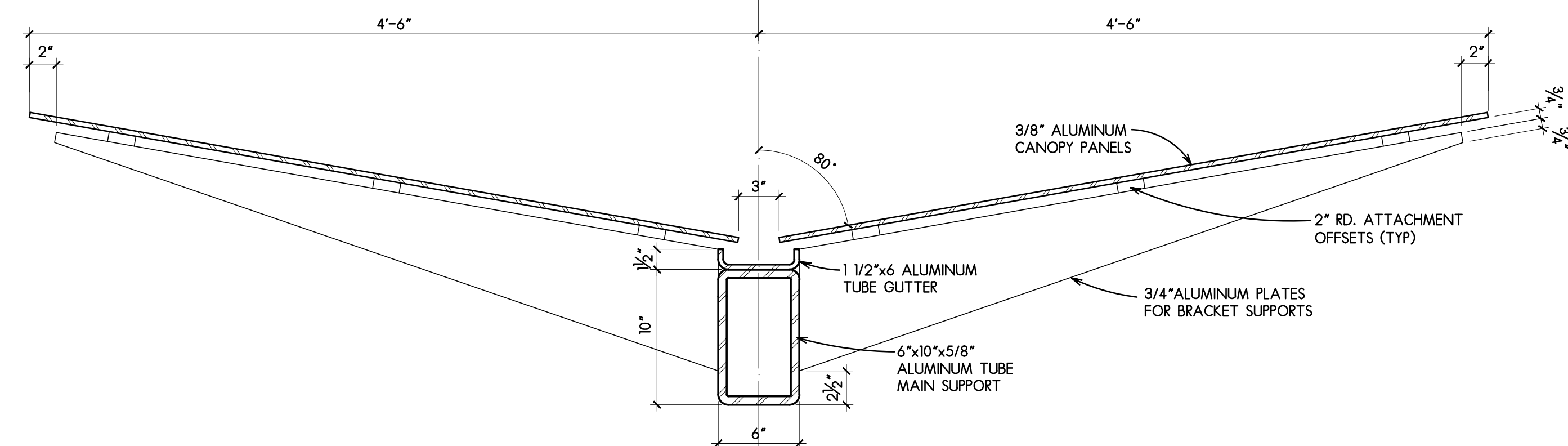
8 CANOPY ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



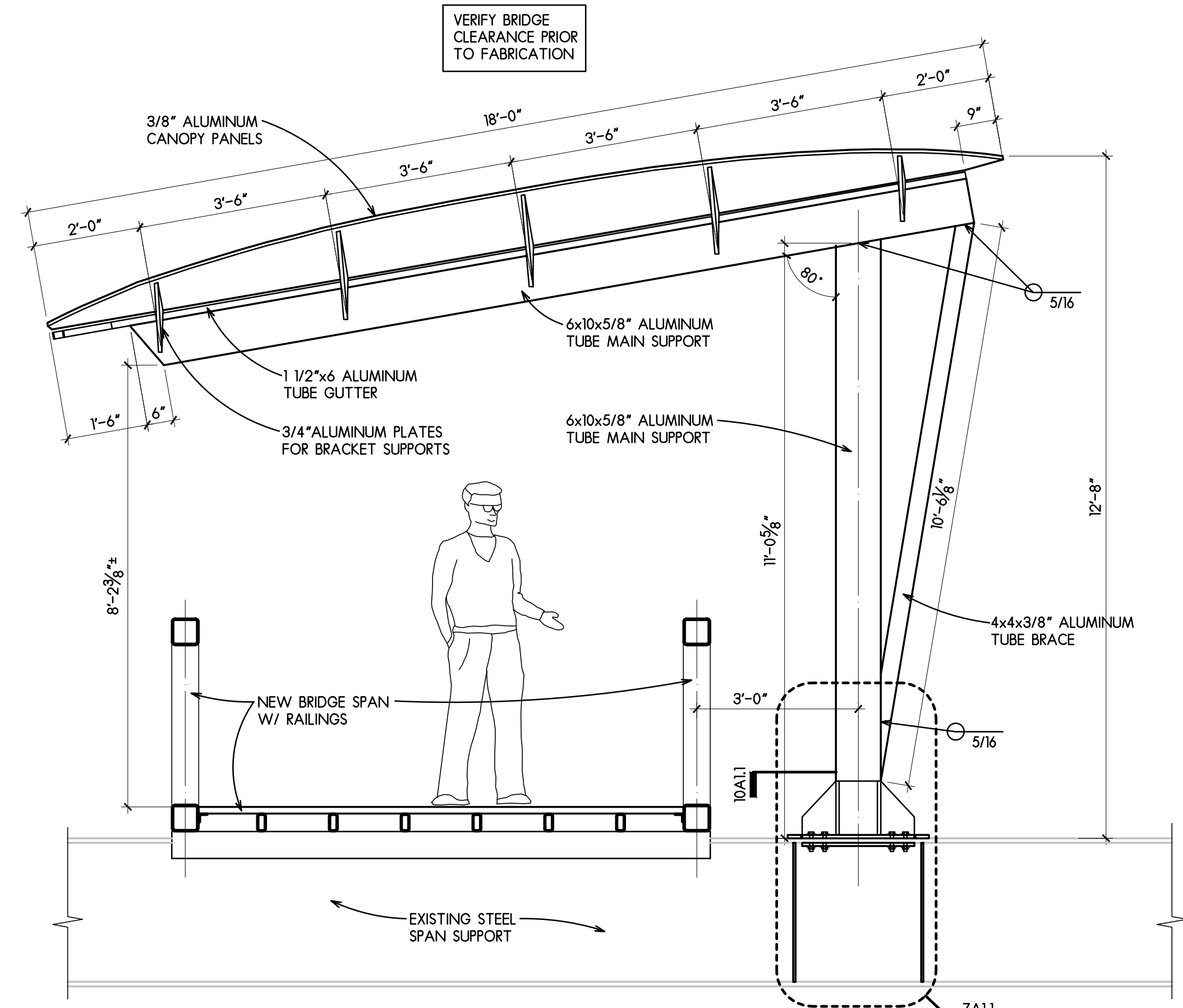
3 ROOF PLAN
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5 CANOPY ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

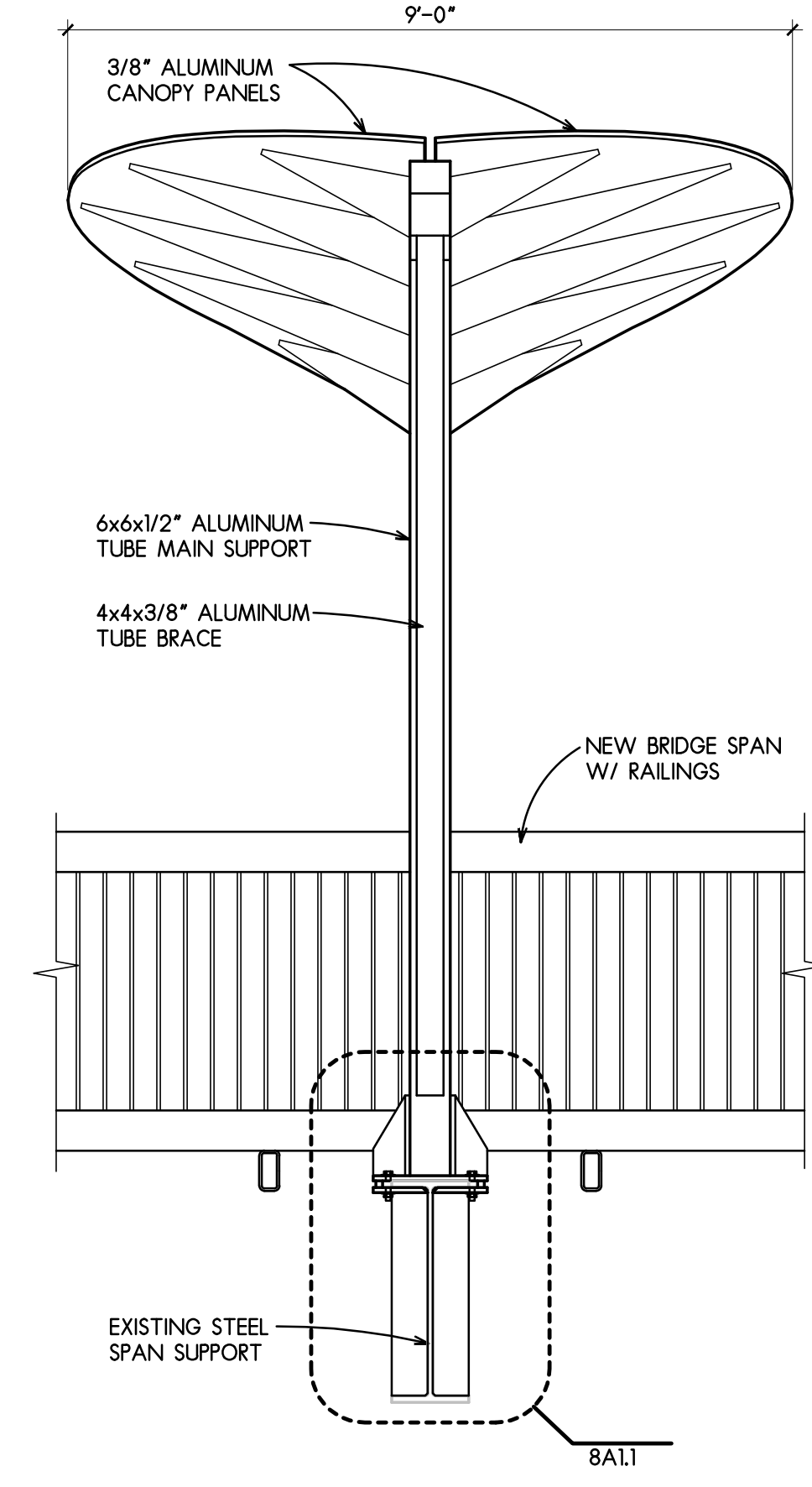


4 CANOPY ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



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

10 PLAN VIEW
SCALE: 1/2" = 1'-0"



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

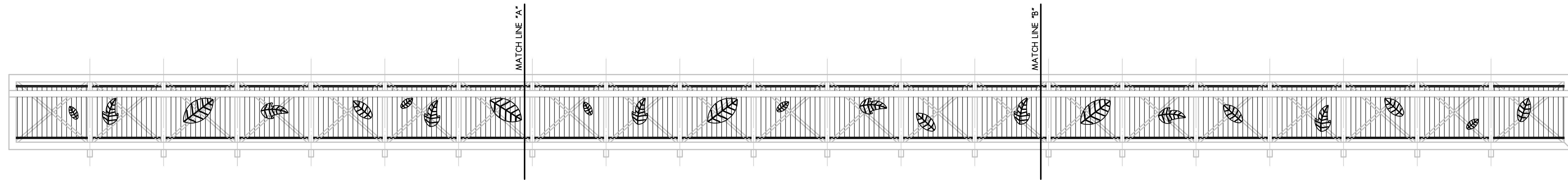
GENERAL NOTES :
1. GENERAL CONTRACTOR TO CONSTRUCT CANOPY AT PIER 3 FOR VERIFICATION OF ALL CLEARANCES PRIOR TO FABRICATING AND ERECTING ALL OTHER LEAF CANOPIES.

CANOPY STRUCTURE DETAILS
SCALE: AS NOTED

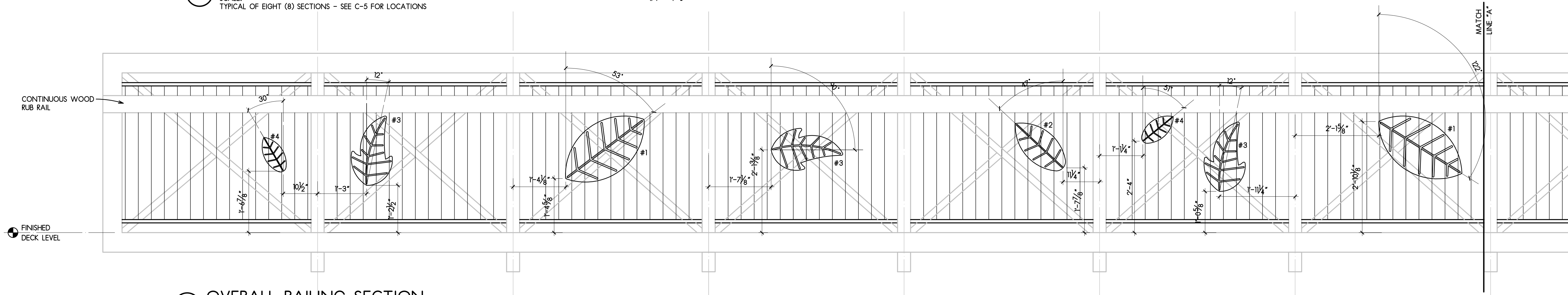
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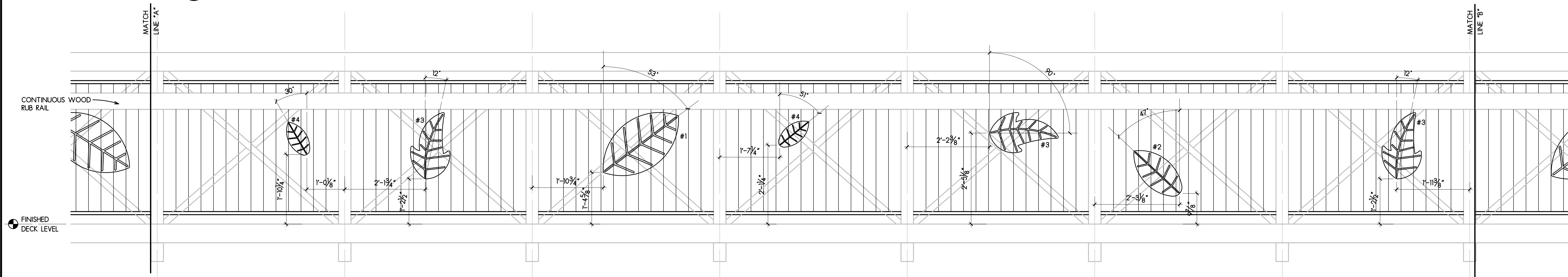
DATE:	12-10-2018
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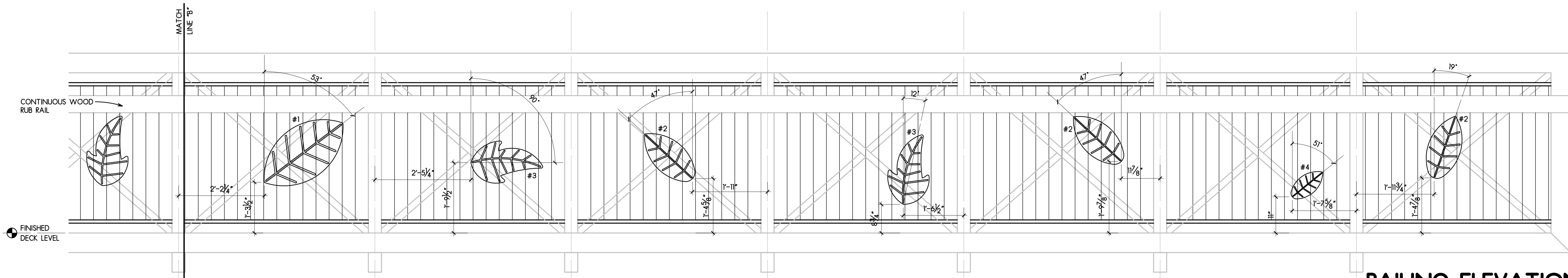
1 OVERALL RAILING ELEVATION - SECTIONS 5, 6, 7, AND 8
 SCALE: 1/4" = 1'-0"
 TYPICAL OF EIGHT (8) SECTIONS - SEE C-5 FOR LOCATIONS



2 OVERALL RAILING SECTION
 SCALE: 3/4" = 1'-0"

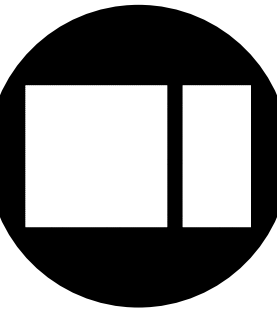


3 OVERALL RAILING SECTION
 SCALE: 3/4" = 1'-0"



4 OVERALL RAILING SECTION
 SCALE: 3/4" = 1'-0"

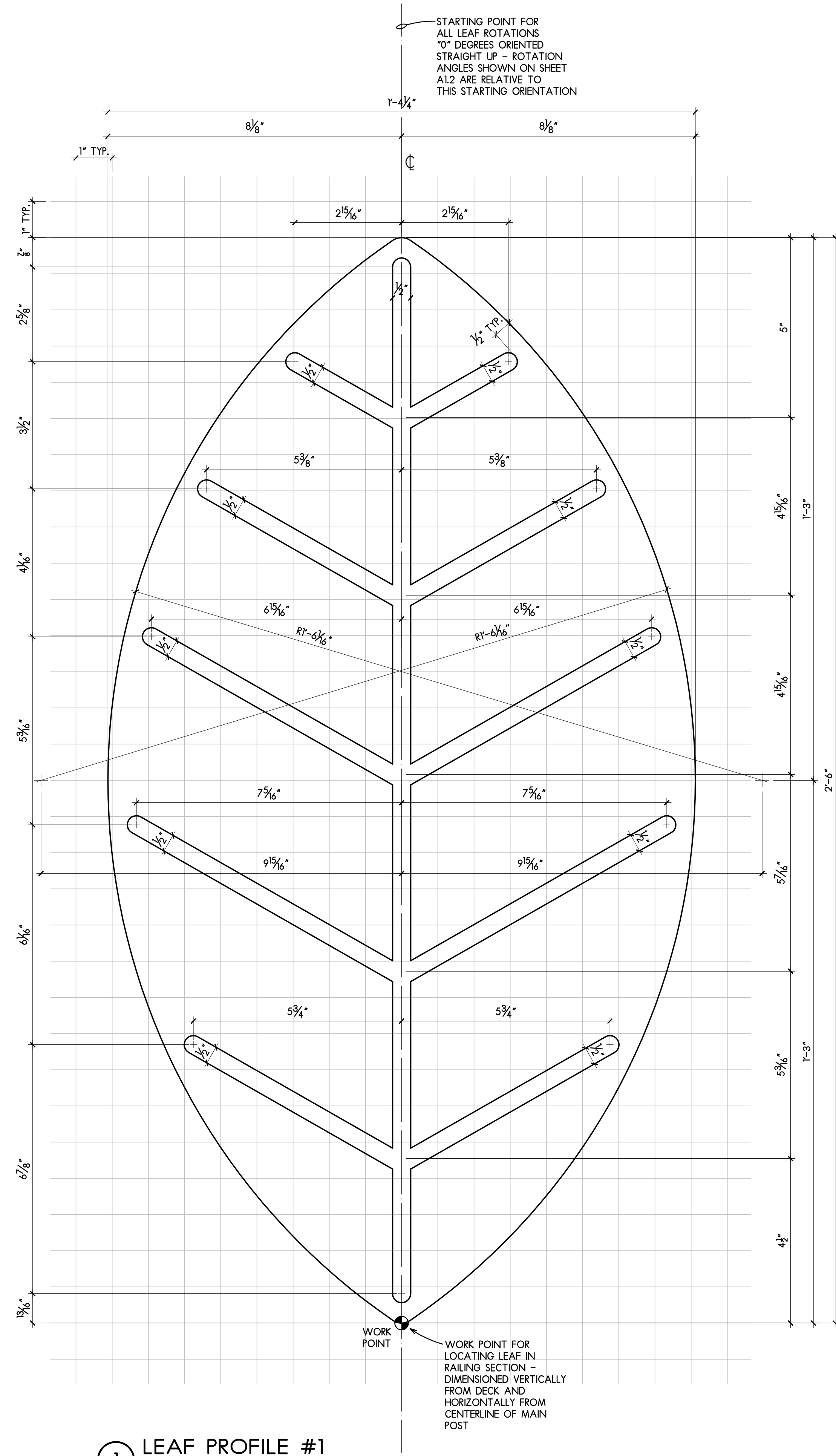
RAILING ELEVATION
 SCALE: AS NOTED



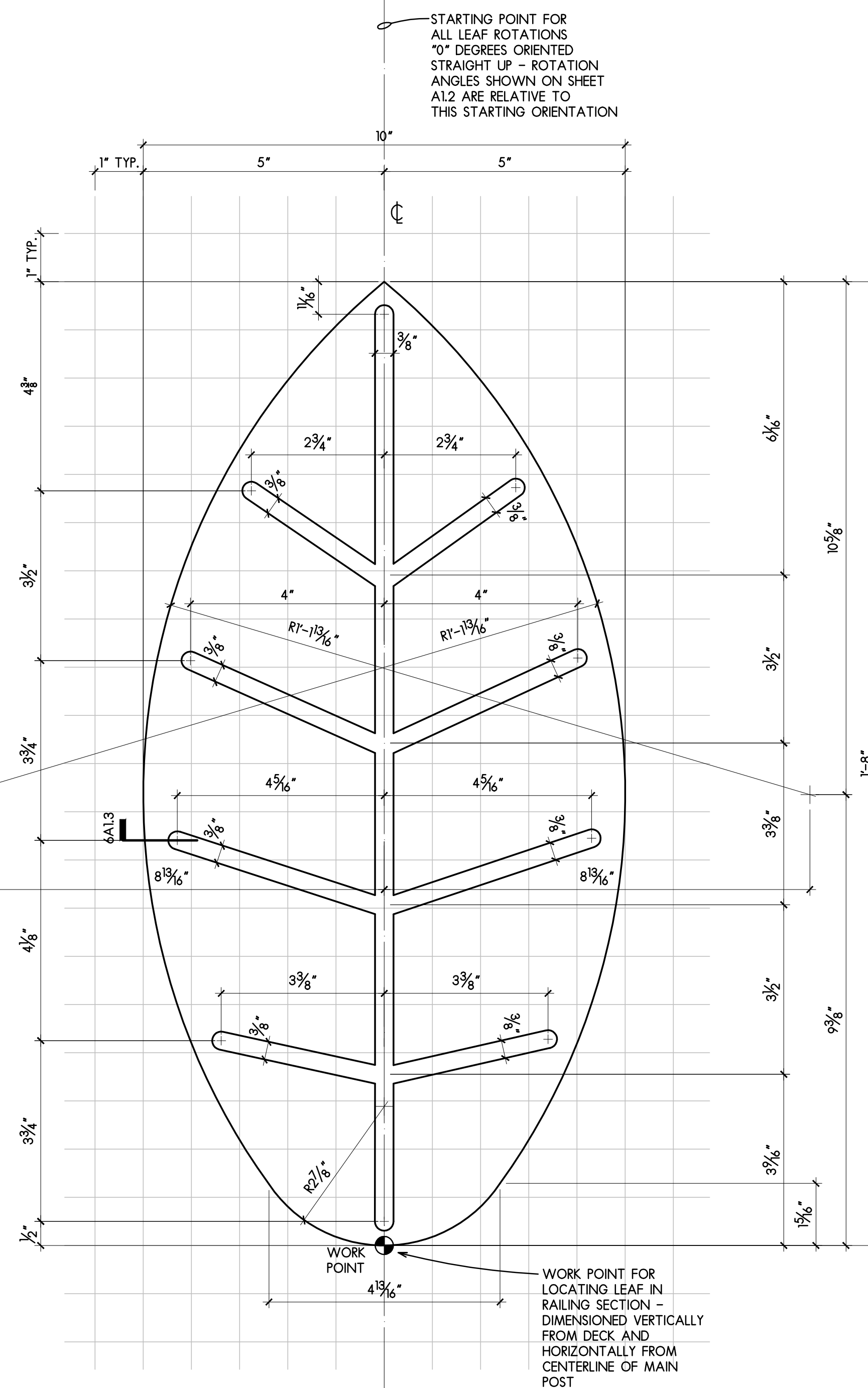
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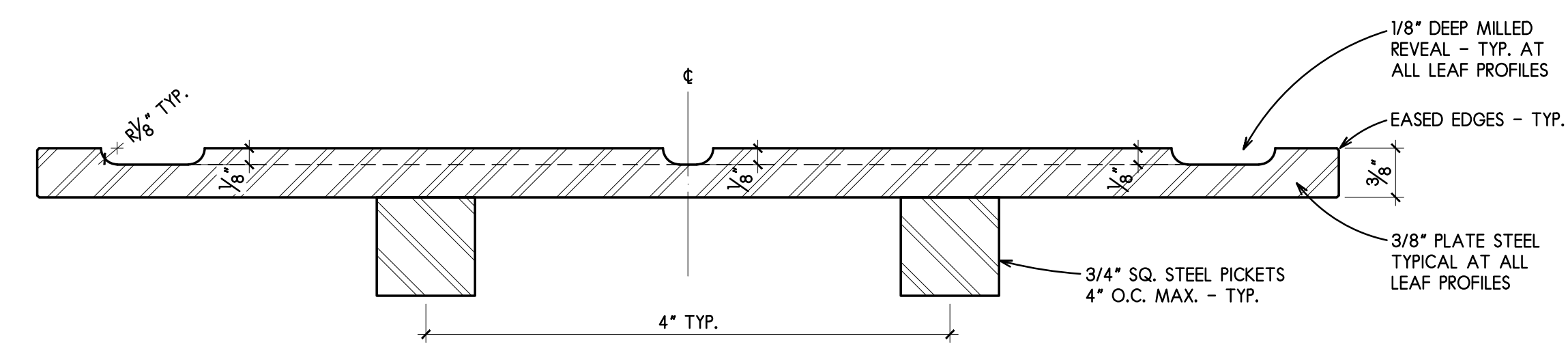
DATE: 12-10-2018
PROJECT NUMBER 27211
SHEET NUMBER 15 of 20



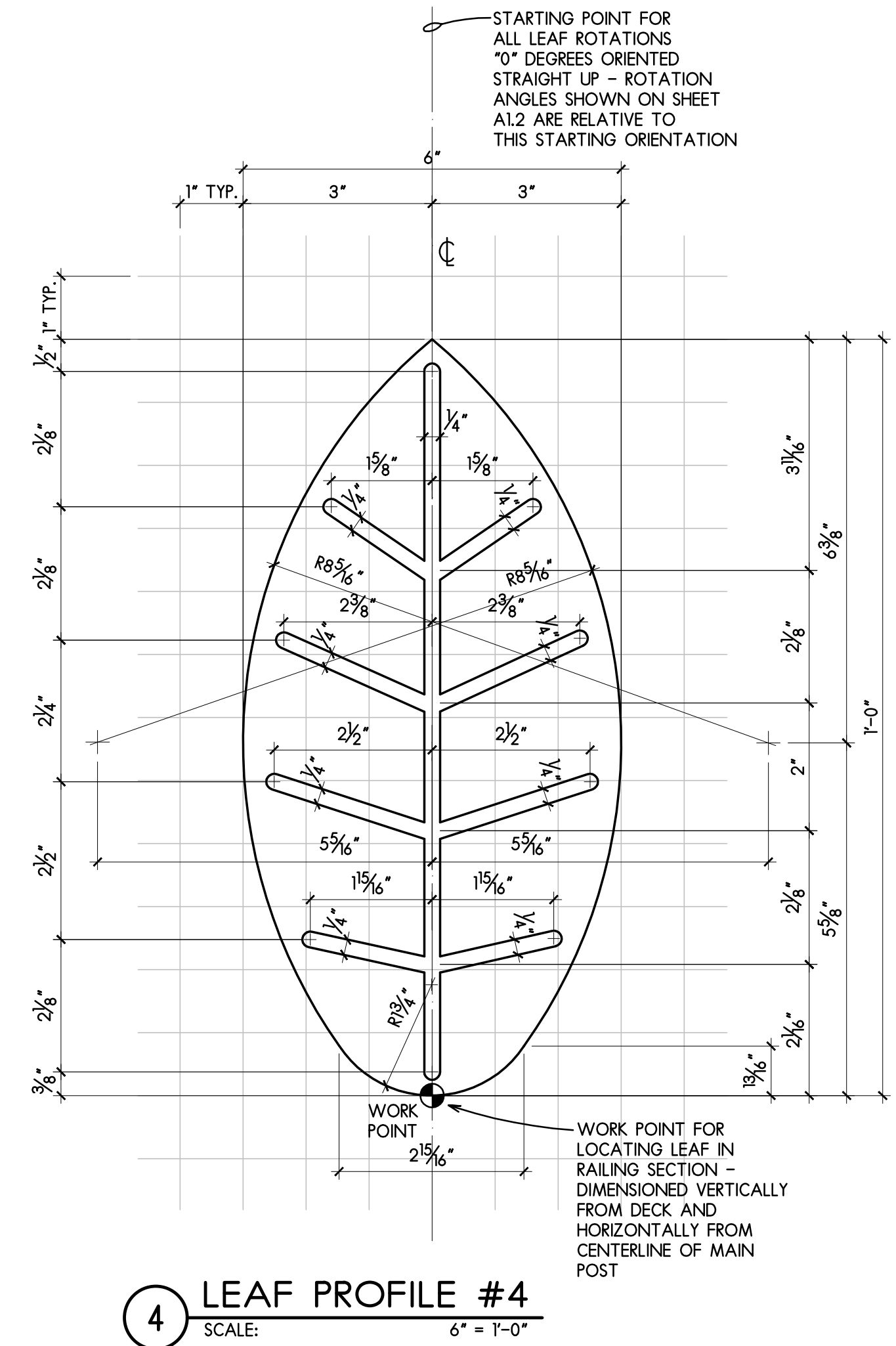
1 LEAF PROFILE #1
SCALE: 6" = 1'-0"



2 LEAF PROFILE #2
SCALE: 6" = 1'-0"

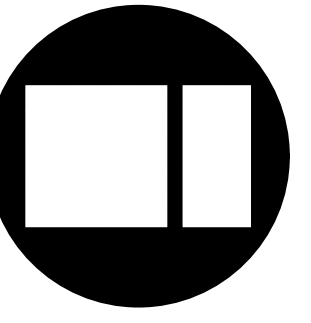


6 LEAF PROFILE #2 SECTION
FULL SCALE
ALL LEAF REVEALS SIMILAR TO THIS DETAIL



4 LEAF PROFILE #4
SCALE: 6" = 1'-0"

LEAF PROFILES
SCALE: AS NOTED

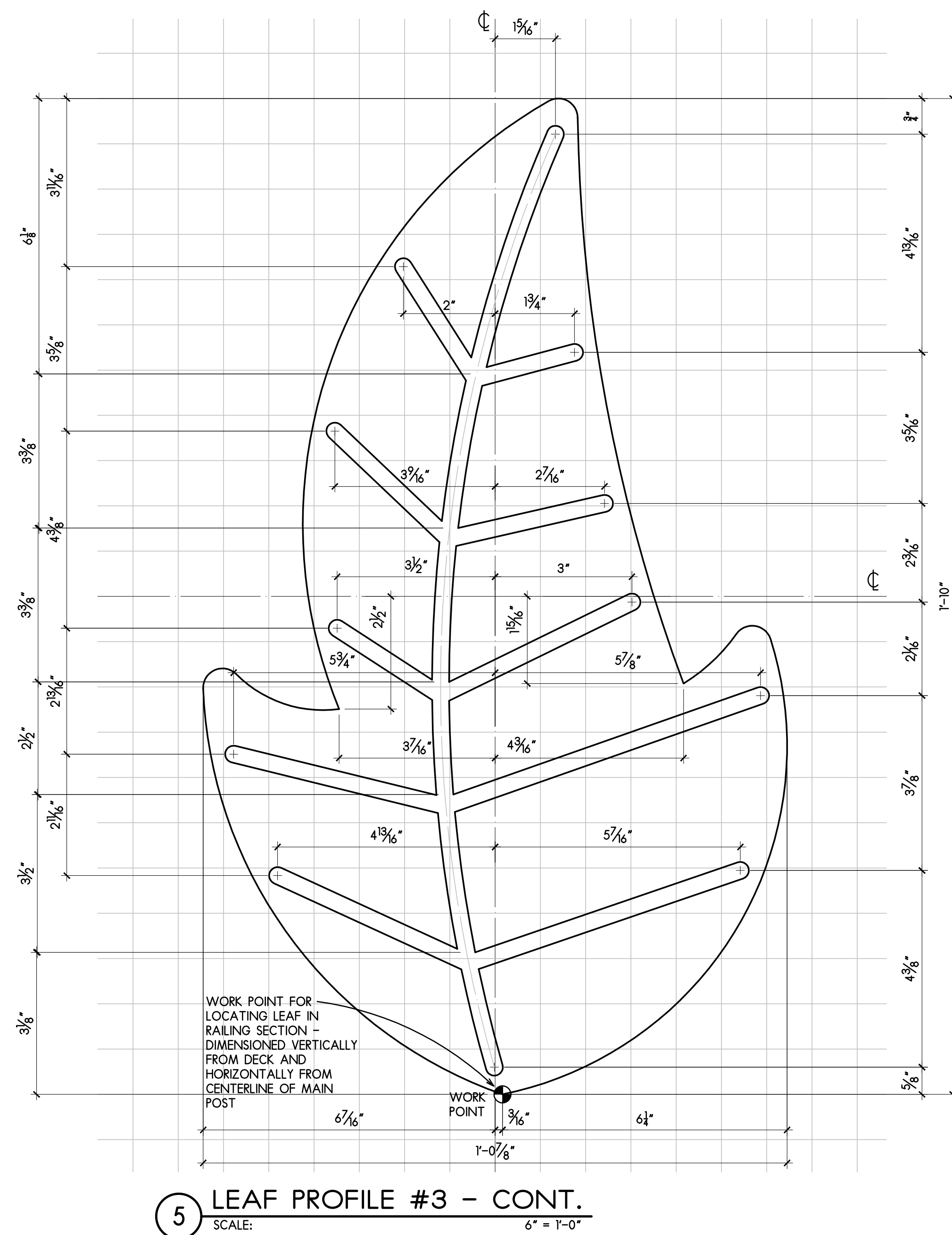
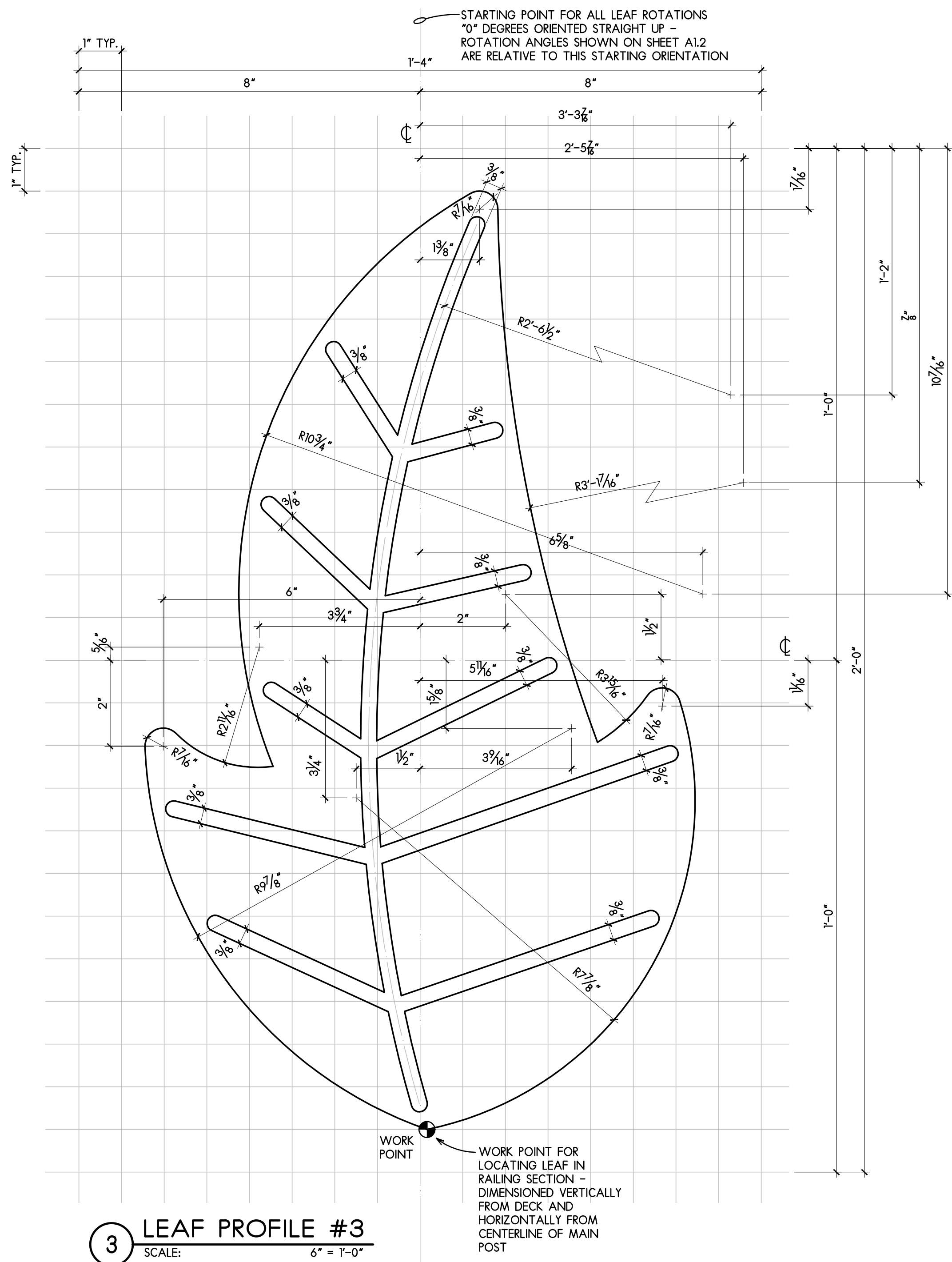


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BRIDGE IMPROVEMENTS
ROCKFORD PARK DIST.
ROCKFORD, ILLINOIS

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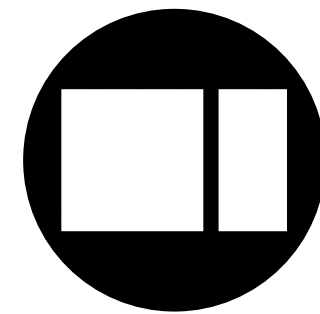
LEAF PROFILES
SCALE: AS NOTED

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	27211		

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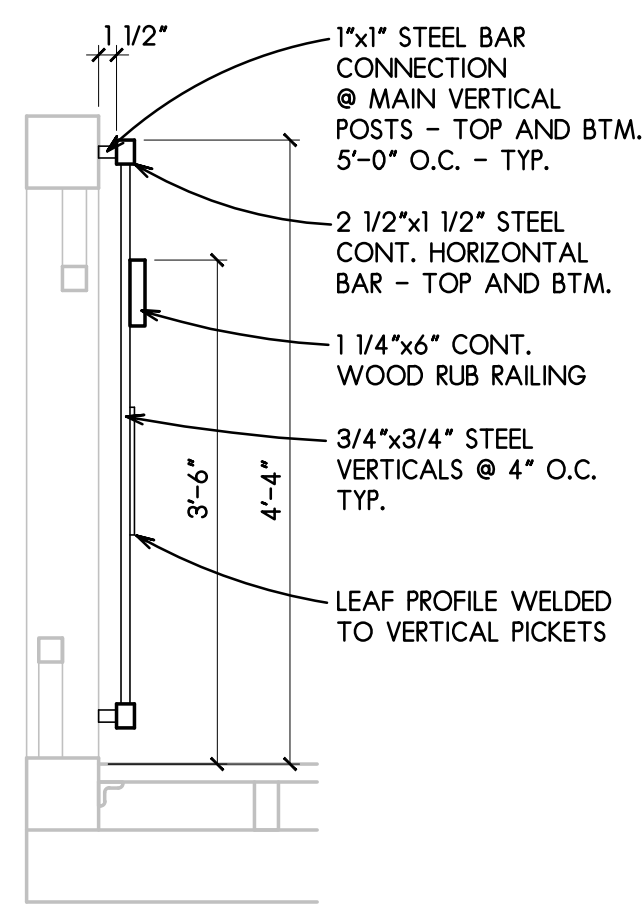
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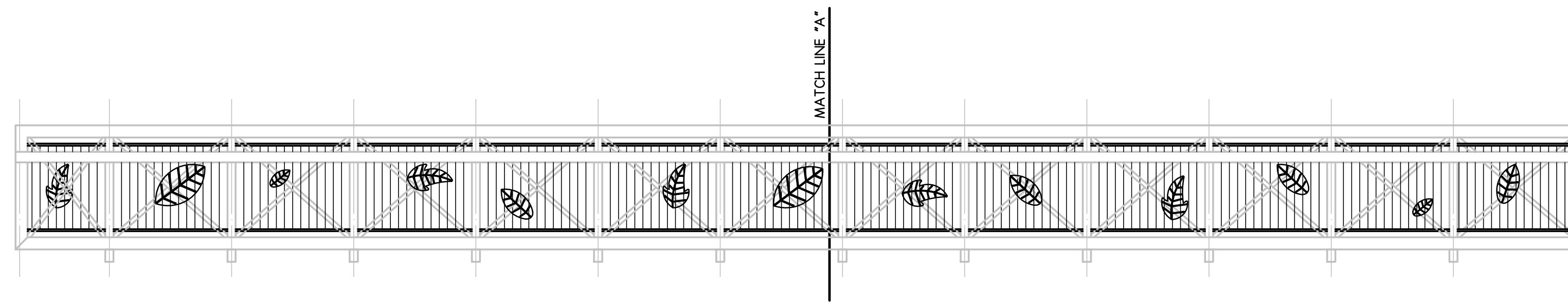


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Architecture Engineering Interiors

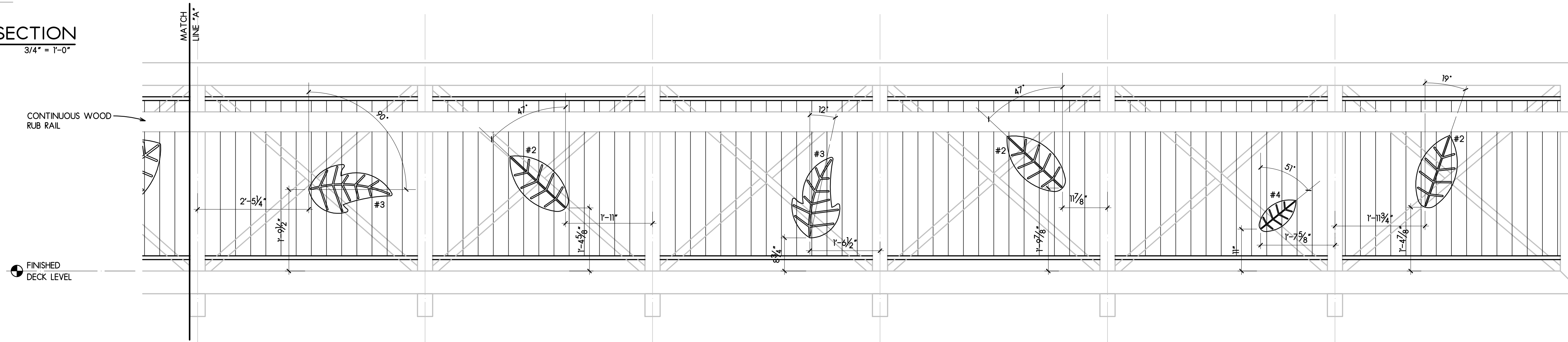
Rockford Office - 499 Harmon Ave., Suite 100, P.O. Box 2327 Rockford, IL 61105 Tel: (815) 484-0739 Fax: (815) 229-8687



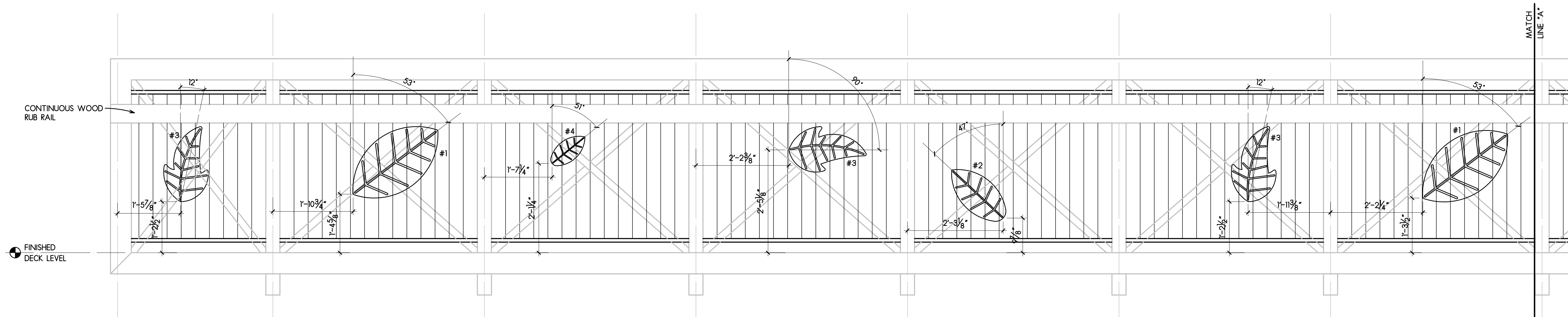
4 RAILING SECTION
SCALE: 3/4" = 1'-0"



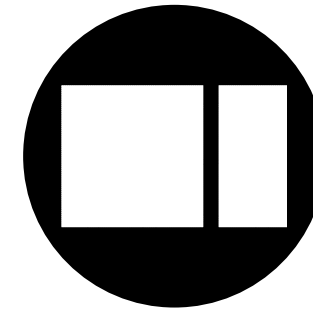
1 OVERALL RAILING ELEVATION - SECTIONS 9
SCALE: 1/4" = 1'-0"
TYPICAL OF TWO (2) SECTIONS - SEE C-5 FOR LOCATIONS



2 OVERALL RAILING SECTION
SCALE: 3/4" = 1'-0"



3 OVERALL RAILING SECTION
SCALE: 3/4" = 1'-0"



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SECTION 05 73 00 - LEAF-SHAPED PLATES FOR RAILINGS.

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 1. Ornamental steel leaf-shaped plates for railings.

1.2 COORDINATION AND SCHEDULING

- A. Coordinate fabrication of leaf-shaped plates with fabrication of railings. Furnish to fabricator of railings.
- B. Fabricator of railings shall weld leaf-shaped plates to railing pickets, and provide surface preparation and shop painting of the completed railing assemblies in accordance with steel painting system specified on Drawings.

1.3 ACTION SUBMITTALS

- A. Shop Drawings: Include plans, elevations, sections, and attachment details.

Samples for Verification: One leaf Type 4, full size.

PART 2 - PRODUCTS

2.1 METALS, GENERAL

- A. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.

2.2 STEEL

- A. Plates: ASTM A 36/A 36M.

2.3 FABRICATION

- A. Form leaf-shaped plates to patterns and sizes indicated on Drawings.
- B. Ease edges on both sides of plates to a 1/16 inch radius.
- C. Form routed lines on surface of plates to configuration indicated on Drawings.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 05 73 00

SECTION 10 73 00 - ALUMINUM CANOPIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Pre-engineered, pre-finished custom aluminum canopies.

1.2 REFERENCES

- A. American Architectural Manufacturers Association (AAMA):
 1. AAMA 2605 - Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels.
 1. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 2. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 3. ASTM B 429 - Standard Specification for Aluminum-Alloy Extruded Pipe and Tube.

1.3 DESIGN REQUIREMENTS

- A. Design members to withstand dead, live, wind and other applicable loads in accordance with ASCE-7 and applicable code.

- B. Columns, Beams, Braces, and Trim: Aluminum structural shapes.

- C. Structural Framing:
 1. Heli-arc welded.
 2. Mechanically fastened pieces using internally concealed bolted connections.

- D. Design Loads:
 1. Comply with Building Code for site location.
 2. Collateral Loads: Additional loads imposed by other materials or systems.

1.4 SUBMITTALS

- A. Product Data: Mill specification.

- B. Shop Drawings: Layout and erection drawings showing framing, and trim details, clearly indicating proper assembly.

- C. Samples: Color selection samples consisting of actual coating material on aluminum members.

- D. Quality Assurance/Control Submittals:
 1. Qualifications: Letter certifying erectors required qualifications.

1.5 QUALITY ASSURANCE

- A. Design structural components, develop shop drawings, and perform shop and site work under direct supervision of Professional Engineer experienced in design of this Work and licensed at Project location.

- B. Welder Qualifications: All welders must be AWS certified welders.

1.6 DELIVERY, STORAGE, AND HANDLING

- E. Follow manufacturer's instructions.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Aluminum Shape: 6061 alloy, T-6 temper.

2.2 COMPONENTS

- A. Structural Members:
 1. Radius-cornered aluminum tubular shapes as required by structural engineering design.

2.3 ACCESSORIES

- A. Fasteners:
 1. Fasteners: Type 18-8 stainless steel, type recommended by manufacturer for specific condition.

2.4 FABRICATION

- A. Shop Assembly: Fabricate cross beams and columns into one-piece rigid bents with corners mitered and heli-arc welded to the extent that completed bents can be shipped on local, state, and federal highways without special permit. Provide bolted connections for bents required to be shipped unassembled.

- B. Shop Assembly: Fabricate cross beams and columns for field assembled bolted connections.

2.5 FINISHES

- A. Aluminum:
 1. Thermo-Set Enamel: AA-C-12C-42R-1, comply with AAMA 603.
 - a. Color: As selected by architect from manufacturer's standard color range.
 2. Fluoropolymer Coating: 70 percent PVDF resin based fluoropolymer, AA-C-12C-42R-1, custom color as selected by architect, comply with AAMA 605.
 - a. Two coat application.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine points of attachment to bridge structure. Verify locations and details comply with shop drawings.

- B. Coordinate with responsible trade to perform corrective work on unsatisfactory points of attachment.

- C. Commencement of work by installer is acceptance of existing conditions.

3.2 ERECTION

- A. Erect canopies in accordance with manufacturer's installation instructions.

- B. Set bents plumb, straight, and true to line, adequately braced to maintain position.

- C. Keep aluminum surfaces from direct contact with ferrous metal or other incompatible materials by applying one coat of clear acrylic coating.

3.3 CLEANING

- A. Clean surfaces soiled by work as recommended by manufacturer.

- B. Remove surplus materials and debris from the site.

3.4 PROTECTION

- A. Protect finished aluminum surfaces from damage due to subsequent construction operations.

END OF SECTION

SECTION 26 51 00 - LIGHT FIXTURE

Electrical/Optical

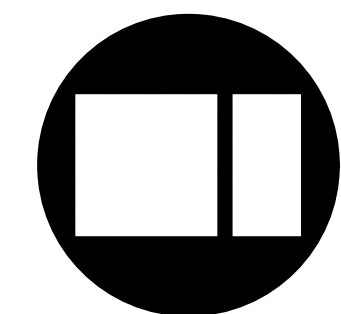
- Power Supply: 120-277V/50-60 HZ
- Integral EC electronic converter in thermally-separated compartment
- (NTC) Negative Temperature Coefficient thermocouple monitoring of LED's; In the event of overheating the current will be reduced by 50%
- Built-in low voltage surge protection on Printed Circuit Board
- 0-10V dimming terminal block standard
- Light Source: Operating temp of 85C to maximize a long life
- High output LED's are binned to 3000K/4000K@ <3 McAdams Ellipses
- CRI: 80

Mechanical

- Recycled Marine Grade **ALSi12/LM6/CP401** Aluminum with <0.1% Copper
- UV Stabilized architectural grade powder coat for resistance to atmospheric aging and color fading
- Conversion Coated aluminum to prevent any galvanic reactions & improve the bond of the powder coat
- Polymer Coated stainless steel fasteners (15% Teflon) to reduce any chance of galvanic reaction between the aluminum housing and the fasteners
- Salt spray tested and approved
- IK (Impact Resistance) Rating: IK07
- IP (Ingress Protection) Rating: IP65 (Suitable for commercial and industrial applications)
- Silicon Gasket: 4mm thickness
 - *Cure Profile: Post Cure 10'/171°C and 1h/250°C
 - *Hardness, Shore A: 35
 - *Elongation: 585%
 - *Plasticity (mm X 100): 150
- Field changeable PCB (including color temperature)
- Field changeable Optical (lens) system: **One-piece** PMMA Optical lens
- Tempered Safety Glass lens (4mm thickness) and frame with safety clips
- Thermally separated driver compartment for optimal thermal management of drivers and the light source
- Optional: Gimbal mounted 30° tilttable and 355°rotatable

Warranty & Standards

- ETL Listed. Suitable for wet locations
- Salt spray tested
- LED Lifetime: LED > 60,000h Ta 25°C (L70/B10) Control Gear >50,000h Ta 25°C
- 5-year warranty
- Note: Modularity of the DAC accounts for easily adjusting lenses/optics, PCB's etc



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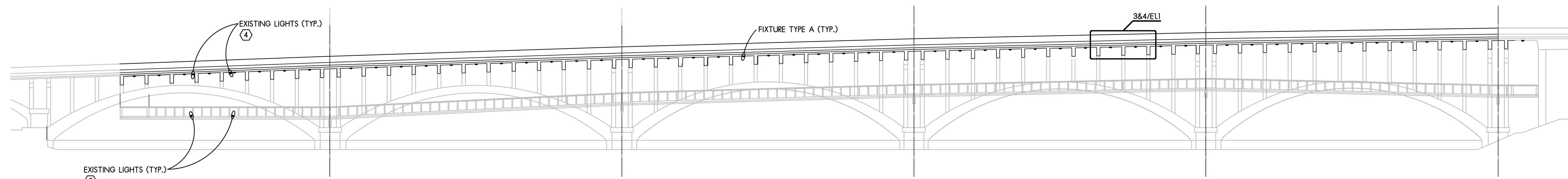
SPECIFICATIONS

NO SCALE:

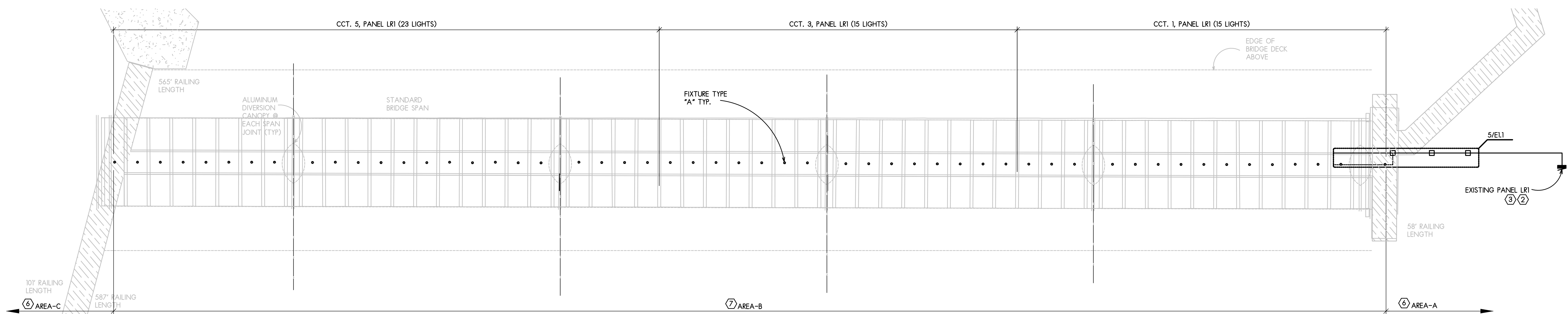
LIGHT FIXTURE SCHEDULE LL L2, L3, L4									
TAG	DESCRIPTION	MOUNTING	VOLTAGE	NUMBER OF LAMPS	INPUT WATTS	LAMP TYPE	MANUFACTURER	CATALOG NUMBER	NOTES
A	WHITE DIE-CAST ALUMINUM HOUSING, SAFETY GLASS LENS MANDAL RESISTANT, LED	SURFACE	120-277	-	55	LED	-	-	

GENERAL NOTES:

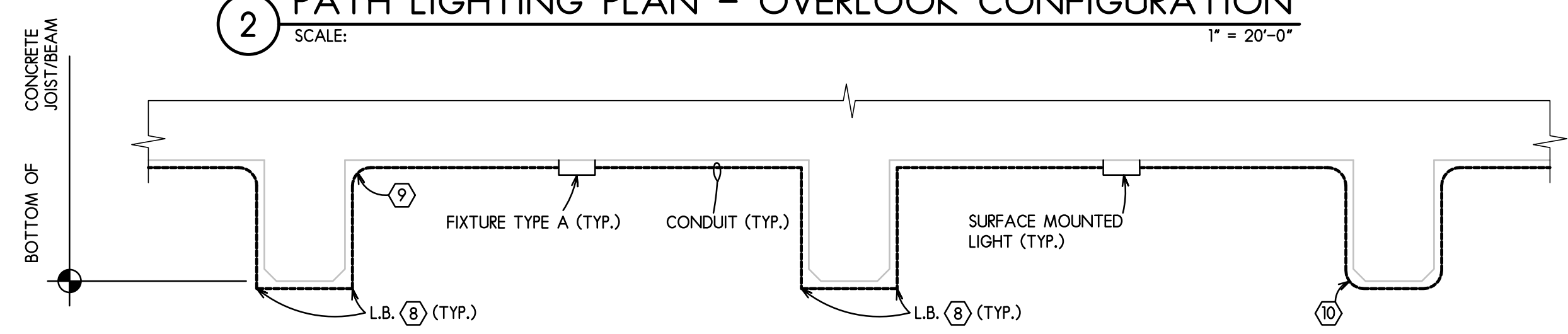
- A. ALL EXPOSED CONDUITS SHALL BE IMC. UNDERGROUND CONDUITS SHALL BE PVC.
- B. ALL SCREWS AND BOLTS SHALL BE STAINLESS STEEL.
- C. UNDERGROUND CONDUITS SHALL BE EITHER BELOW FROST-LINE OR 36" BELOW GRADE WHICHEVER IS LOWEST.



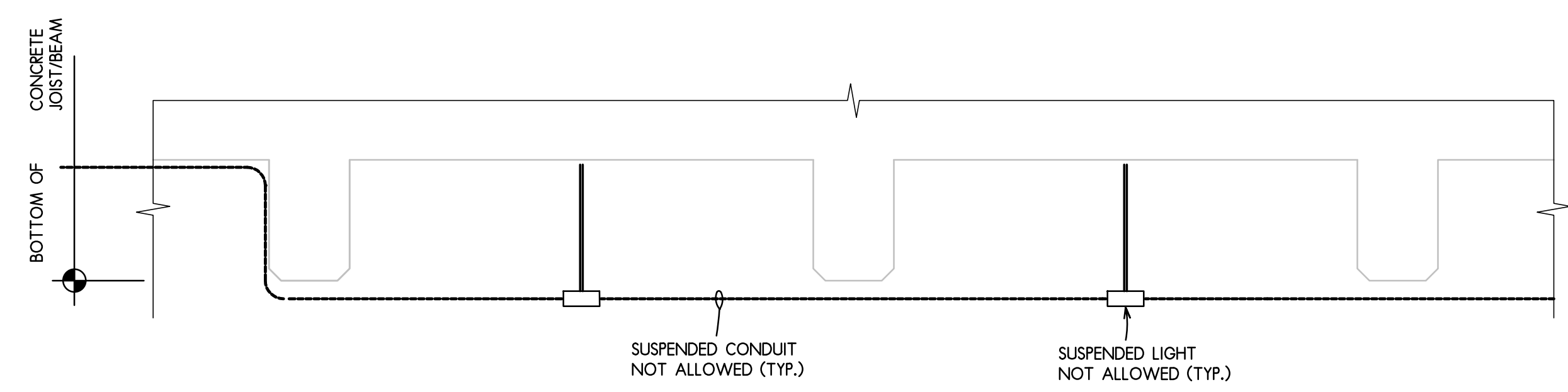
1 LIGHTING ELEVATION
SCALE: 1" = 20'-0"



2 PATH LIGHTING PLAN - OVERLOOK CONFIGURATION
SCALE: 1" = 20'-0"



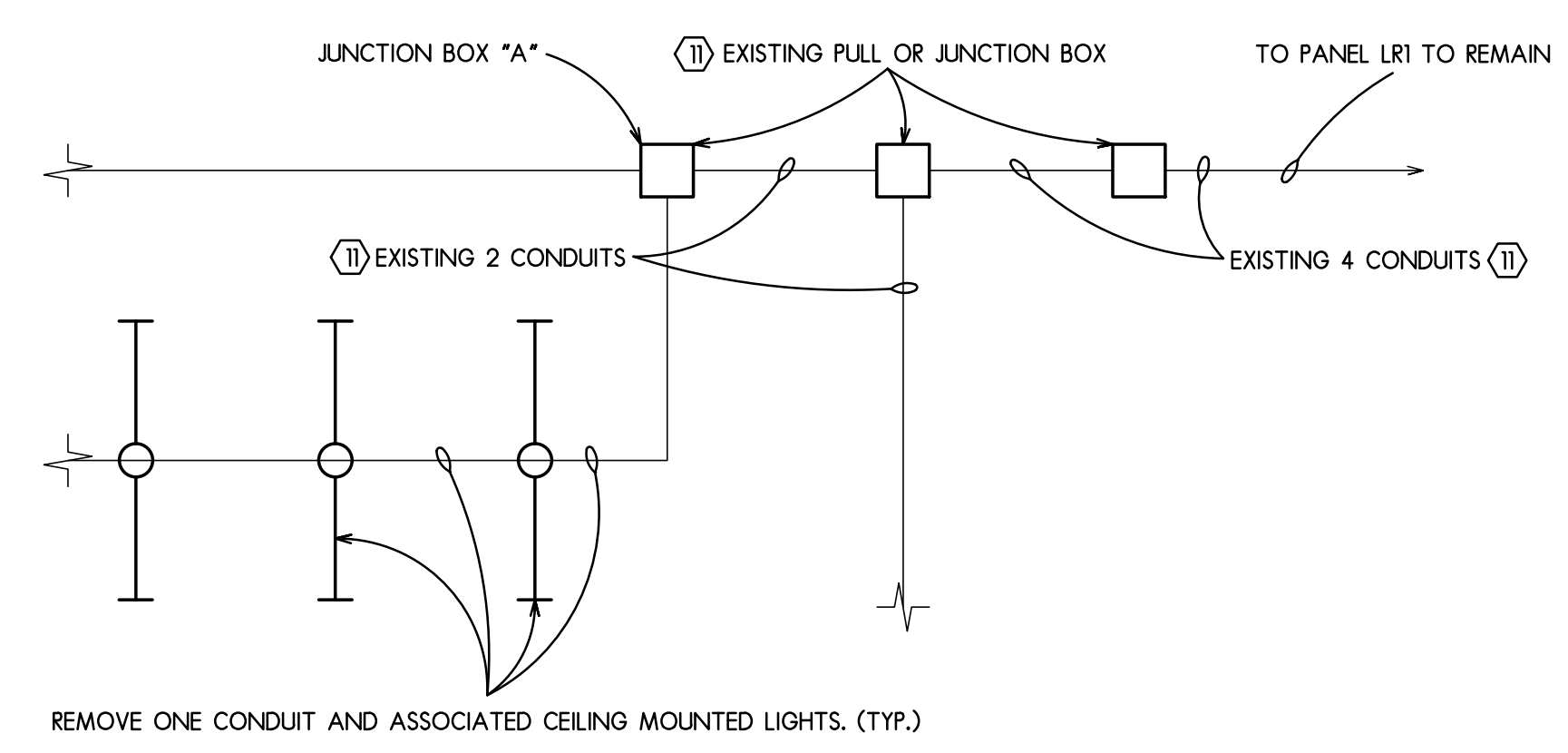
3 BRIDGE LIGHTING CROSS SECTION-CONDUIT INSTALLATION
SCALE: NTS



4 BRIDGE LIGHTING CROSS SECTION-CONDUIT INSTALLATION NOT PERMITTED
SCALE: NONE

GENERAL ELECTRICAL NOTES

1. THE CONTRACTOR MUST VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING SITE AND BUILDING CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION PRIOR TO SUBMITTING HIS BID PROPOSAL. CONTRACTOR IS CAUTIONED THAT THE PROJECT IS A REMODELING JOB AND IT IS ASSUMED THAT HE HAS INCLUDED FUNDS IN HIS BID TO COVER UNFORESEEN ITEMS WHICH MUST BE MOVED, RELOCATED OR ADJUSTED TO FIT HIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY EXTRA WORK CAUSED BY FAILURE TO VISIT, EXAMINE OR VERIFY.
2. ALL EXISTING EQUIPMENT IS TO REMAIN OPERATIONAL DURING CONSTRUCTION PERIOD. ALL TEMPORARY WIRING OR REROUTING OF CIRCUITRY TO ACHIEVE THIS IS BY THE ELECTRICAL CONTRACTOR. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM THE OWNER AND THEN ONLY FOR THAT DATE AND DURATION AGREED UPON. INCLUDE ALL PREMIUM TIME CHARGES IN THE BASE BID.
3. THE EXISTING EQUIPMENT IS SHOWN BASED UPON THE INFORMATION OBTAINED THROUGH BRIEF SURVEY OF THE FACILITY. CONTRACTOR IS TO SURVEY THE EXISTING FACILITY IN ORDER TO DETERMINE THE FULL EXTENT OF WORK AND BE COMPLETELY FAMILIAR WITH ALL THE EXISTING CONDITIONS INCLUDING PLUMBING, HVAC, ELECTRICAL, ETC. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY IN RESPECT TO THE ACCURACY OF SUCH INFORMATION SHOWN ON THE DRAWINGS. CONTRACTOR SHALL MAKE ADEQUATE ALLOWANCE IN HIS BID FOR SOME DEVIATIONS TO SUCH INFORMATION.
4. WHERE EXISTING CONDITIONS PREVENT PROPER INSTALLATION OF PROPOSED WORK, REROUTE, EXTEND OR ALTER EXISTING WORK SO AS TO ACCOMMODATE PROPOSED WORK REQUIREMENTS.
5. CIRCUIT NUMBERS SHOWN FOR EXISTING PANELS ARE FOR REFERENCE ONLY. USE NEXT AVAILABLE CIRCUITS AND PROVIDE APPROPRIATE SIZE BREAKERS.
6. THE SYSTEMS PROVIDED BY THIS CONTRACTOR SHALL BE COMPLETELY OPERATIONAL REGARDLESS OF OMISSION OF MINOR ITEMS, SUCH AS CIRCUIT NUMBER FOR RELAY, A CIRCUIT NUMBER NEXT TO A LIGHTING FIXTURE, ETC.
7. ALL OUTDOOR DEVICES SUCH AS RECEPTACLES, DISCONNECTS, SPEAKERS, LIGHTING FIXTURES, JUNCTION BOXES, ETC. SHALL BE OUTDOOR TYPE.
8. PROVIDE TYPED PANEL DIRECTORY INDICATING LOAD SERVED.
9. DUE TO THE SMALL SCALE AND INTERFERENCE OF EXISTING EQUIPMENT, EACH AND EVERY ITEM IS NOT SHOWN. SHOWN INFORMATION IS INTENDED AS A GUIDE. CONTRACTOR SHALL VERIFY INFORMATION AND CONDITIONS IN THE FIELD.
10. PROVIDE EXPANSION FITTINGS FOR ALL ELECTRICAL RACEWAYS AT EVERY EXPANSION JOINT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATION OF EXPANSION JOINTS.
11. PROVIDE SEPARATE DEDICATED GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CIRCUIT WIRING CIRCUIT.
12. THE ELECTRICAL DRAWINGS SHOW DIRECT PRINCIPLE WORK WHICH MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INDIRECT AND INCIDENTAL WORK WILL ALSO BE NECESSARY DUE TO CHANGES AFFECTING EXISTING ARCHITECTURAL, MECHANICAL, PLUMBING OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREA, AND ASCERTAIN WORK NEEDED AND DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST.
13. WHERE "YIF" IS INDICATED NEXT TO A DEVICE, CONTRACTOR SHALL VERIFY ITS REQUIREMENT IN FIELD. THIS INCLUDES VERIFICATION OF DEVICE TYPE, LOCATION, WIRING CONDUIT AND CIRCUIT BREAKER ETC. PROVIDE APPROPRIATE DEVICE, WIRING, CONDUIT, CIRCUIT BREAKER ETC. AS REQUIRED.
14. WHERE EQUIPMENT DEVICES ARE INDICATED TO BE REMOVED, REMOVE ACCESSIBLE, UNUSABLE CONDUITS & WIRING. IF CONDUITS ARE NOT ACCESSIBLE THEY MAY BE ABANDONED. MAINTAIN CONTINUITY TO THE LOAD WHICH IS TO REMAIN.



5 EXISTING CONDUIT PLAN DETAIL
SCALE: NONE

KEYED NOTES:

- 1 THIS DETAIL INDICATES THAT ALL LIGHTS AND RACEWAY/CONDUITS SHALL BE SURFACE MOUNTED ALL THE WAY TO THE TOP OF THE STRUCTURAL MEMBRANES. SUSPENDED LIGHTS AND CONDUITS ARE NOT ALLOWED.
- 2 PROVIDE 3-20A-1P CIRCUIT BREAKERS IN EXISTING SPACES TO FEED NEW LIGHTS.
- 3 PROVIDE FOUR POLE RELAY IN AN OUTDOOR ENCLOSURE AND PHOTOCELL ABOVE IT NEAR PANEL LRI. FEED NEW LIGHTS FROM THREE NEW CIRCUIT BREAKERS IN PANEL LRI VIA 3 POLES OF NEW RELAY AND CONNECT SUCH THAT LIGHTS ARE CONTROLLED VIA PHOTOCELL. FOURTH POLE IN RELAY SHALL REMAIN AS SPARE.
- 4 CURRENTLY THERE ARE SURFACE MOUNTED LIGHTS IN EVERY OTHER STRUCTURAL POCKET OF BRIDGE (APPROXIMATELY 30). REMOVE THEM COMPLETELY TOGETHER WITH ASSOCIATED CONDUITS.
- 5 CURRENTLY THESE ARE LIGHTS AT FLOOR LEVEL ON EACH SIDE OF WALKWAY (APPROXIMATELY 54). THEY WILL BE REMOVED AS A PART OF WALKWAY DEMOLITION. DISCONNECT POWER TO THEM AND REMOVE CONDUITS AND WIRING IF NOT REMOVED BY WALKWAY DEMOLITION.
- 6 ALL LIGHTING, CONDUITS, AND WIRING SHALL REMAIN FOR THIS AREA.
- 7 REMOVE ALL CONDUITS AND WIRING ASSOCIATED WITH LIGHTS WHICH ARE TO BE REMOVED. MAINTAIN CONDUITS AND WIRING FOR LOADS SERVING AREA "C". IF COMMON CONDUITS ARE SHARED FOR AREA "B" AND AREA "C", AND IF THEY NEED TO BE REMOVED DUE TO DEMOLITION OF LOWER PART OF BRIDGE WALKWAY, PROVIDE NEW CONDUITS AND WIRING TO SERVE AREA "C". IF SEPARATE CONDUITS ARE PROVIDED IN LOWER PART OF BRIDGE TO SERVE AREA "C", PROVIDE NEW CONDUITS AND WIRING TO SERVE AREA "C".
- 8 PROVIDE L.B. TO KEEP CONDUITS CLOSE TO AND BOTTOM OF JOIST/BEAM.
- 9 CONDUIT RADIUS IS ACCEPTABLE AT UPPER PART OF JOIST/BEAM.
- 10 RADIUS NOT ALLOWED AT BOTTOM OF JOIST/BEAM.
- 11 THESE CONDUITS AND ASSOCIATED WIRING SHALL REMAIN. EXISTING WIRING FROM PANEL LRI TO JUNCTION BOX "A" CAN BE REUSED TO FEED REPLACED LIGHTS. PROVIDE ALL NEW CONDUITS AND WIRING FROM JUNCTION BOX "A" TO ALL REPLACED LIGHTS.

ELECTRICAL LIGHTING PLAN
SCALE: AS NOTED

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