ARDOT ARKANSAS DEPARTMENT OF TRANSPORTATION

Hwy. 49 Mississippi River Bridge Deck Rehab. (S)
Job 110812
Inspection Report (2022)

Prepared For: Arkansas Department of Transportation

Michael Baker INTERNATIONAL

FEBRUARY, 2023

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INTRODUCTION

This report presents findings and recommendations as a result of the structural inspection of Bridge No. 02899 carrying US 49 over the Mississippi River, commonly known as the Helena Bridge. The inspection was performed by Michael Baker International, Inc. (MBI), between May 1st and May 13th, 2022. The field Project Manager was Arkansas Registered Professional Engineer Fred Harper. Carter Bohn of Fickett Structural Solutions performed Nondestructive Evaluation (NDE) of various pin assemblies and other defects from May 9th to May 13th, 2022.

FIGURE 1. ELEVATION VIEW OF THE HELENA BRIDGE (MAY 2022)

At almost one mile in total length (5198'-6"), the Helena Bridge carries US 49 over the Mississippi River and connects the towns of Helena-West Helena, Arkansas and Lula, Mississippi. One 4-girder superstructure unit and two 2-girder superstructure units compose the West Approach Spans, and two 2-girder superstructure units make up the East Approach Spans.

FIGURE 2. CONSTRUCTION OF THE HELENA BRIDGE (CIRCA 1960 – PHOTO CREDIT ARDOT)

The main river bridge spans are composed of five truss units. Nonredundant Steel Tension Members (NSTMs) are identified in Section 2.3 and 2.4. The bridge is one of four Mississippi River crossings in the state of Arkansas and is the only crossing within a 140-mile stretch, with the next nearest crossings approximately 50 miles north and 90 miles south. This limited access makes the Helena Bridge an important asset to the state, as was observed during the closure of the I-40 Mississippi River Bridge (Hernando de Soto Bridge) in May of 2021.

The bridge opened in 1961, replacing the former ferry system used to cross the Mississippi River. In 1988, the bridge was rehabilitated and widened from a 26' clear roadway width to a 28' clear roadway width. At this time, the concrete deck in the approach units was completely replaced, the deck in the main units was widened, and concrete jersey barriers were added to the entire structure. In 1997, a crane being transported on the Mississippi River struck the floor system of the main river truss spans between Panel Points L38 and L39, which required emergency repairs.

In October of 2021, MBI was tasked by the Arkansas Department of Transportation (ARDOT) to provide roadway and bridge plans for a deck rehabilitation of the Helena Bridge. The original scope of the rehabilitation called for a polymer overlay to be applied to the approach spans, hydrodemolition and a latex modified concrete (LMC) overlay of the main truss spans, and bridge deck repair as needed. ARDOT performed an NBIS routine bridge inspection on the structure in December of 2021, during which MBI simultaneously and independently conducted an inspection of the bridge deck. MBI reported their findings from the deck inspection, a cost comparison of various deck rehabilitation options, and deck rehabilitation recommendations to ARDOT in a report in January of 2022. After the NBIS routine bridge inspection and deck rehabilitation study revealed the quickly deteriorating bridge deck conditions in the main truss spans (among other findings), it was determined by ARDOT that a more extensive bridge rehabilitation may be required than what was originally anticipated in order to preserve the service life of the bridge. It is understood from ARDOT that any conceptual study/planning (by ARDOT) related to the eventual bridge replacement is in early stages, and any rehabilitation contract will need to serve as a long-term solution, potentially for the remaining service life of the structure. This discovery prompted a scope change by ARDOT, requesting that MBI preform an inspection and load rating of the structure to determine appropriate repairs for this rehabilitation.

FIGURE 3. HELENA BRIDGE (MAY 2022)

INSPECTION

1.0 MEANS AND METHODS

The MBI inspection performed in May of 2022 consisted of a structural inspection of all primary and secondary structural members. A hands-on inspection was performed on the main members (upper and lower truss chords, truss diagonals, truss verticals, gusset plates, pin and hanger assemblies, and floor systems of the truss spans and approach spans). Secondary structural members, noted as portal frames, sway frames, and cross bracing in the original plans, and the top lateral bracing, were visually inspected from the trusses and did not require a hands-on inspection. An Unmanned Aerial System (UAS) was utilized to perform visual inspections of the piers and to provide an overall view of the outside faces of the truss members. The aerial imagery and videography recorded with the UAS provided good insight into the condition of the piers and served as a supplemental resource to the hands-on inspection findings.

FIGURE 4. 2022 MBI INSPECTION OF THE HELENA BRIDGE

FIGURE 5. UAS USED DURING INSPECTION

Superior Traffic Control, LLC was subcontracted to perform maintenance of traffic duties during the 2022 MBI bridge inspection. Due to the narrow clear roadway width of the bridge, one lane and shoulder of the two-lane bridge was closed. Flaggers were stationed at each end of the bridge to ensure safe traffic flow.

During the 2022 MBI inspection, several different means of access and tools were utilized to perform a thorough, efficient, and safe inspection. On-site were two lift teams, two UBIT (under bridge inspection truck) teams, one UAS team, and four rope access teams.

FIGURE 6. MBI ROPE ACCESS TEAM MEMBER INSPECTING UPPER TRUSS CONNECTION

The lift and UBIT teams were on-site for two weeks and worked together to perform the hands-on inspection of the main members within their reach as well as a visual inspection of all secondary members. Once the lift teams completed the inspection of the upper portion of the truss, they inspected the under-bridge superstructure components of the approach spans (the UBIT was utilized to inspect Span 16 due to limited access for the lift). The UAS team was on-site for the first week. The two primary uses for the UAS were to inspect the piers and to collect enough data to verify gusset plate dimensions for the load rating analysis. After scanning each of the piers, any areas of interest found were communicated to the rope access team so that a hands-on inspection could be performed *(UAS footage will be submitted separately on a portable storage device).* The rope access teams were on-site for the second week of the inspection. They performed a hands-on inspection of the highest points of the upper truss members (out of reach of the lifts) and rappelled down the piers to inspect areas of interest noted from the UAS team inspection. See Section 1.1 Coverage Maps for inspection areas covered by each respective team.

The pin and hanger assemblies were inspected hands-on before Carter Bohn (Fickett Structural Solutions) arrived on-site to perform the nondestructive evaluation (NDE). During the hands-on inspection, mirrors and a borescope were utilized to view areas that are typically inaccessible during a normal inspection. Bohn performed ultrasonic testing on a total of 142 pins. All findings can be found in the report supplied by Fickett in Appendix G.

FIGURE 7. FICKETT REPRESENTATIVE PERFORMING UT ON PIN

Other NDE tools used during the inspection were ultrasonic distance meters (D-Meters) to measure remaining section thickness and magnetic particle testing (MT) around surface defects to determine the extent of any surface-breaking indications or cracks.

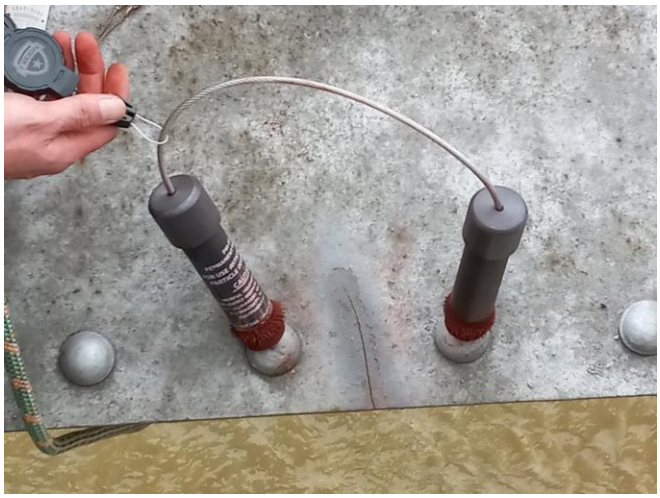


FIGURE 8. MT PERFORMED ON CRACK FOUND ON LOWER CHORD BETWEEN USL16 AND USL17

FIGURE 9. MT PERFORMED ON DEFECT FOUND ON LOWER CHORD BETWEEN DSL40 AND DSL41

The findings of this inspection are to be used in the complex load rating of the structure. After completion of a "Pristine Condition" model, the deterioration noted from this inspection will be considered in the live load rating of the structure with the development of a "Deteriorated Condition" model. This information will be used to develop a Repair Options Report, which ARDOT will evaluate to determine which structural repairs will be incorporated into eventual repair plans.

1.1 COVERAGE MAPS

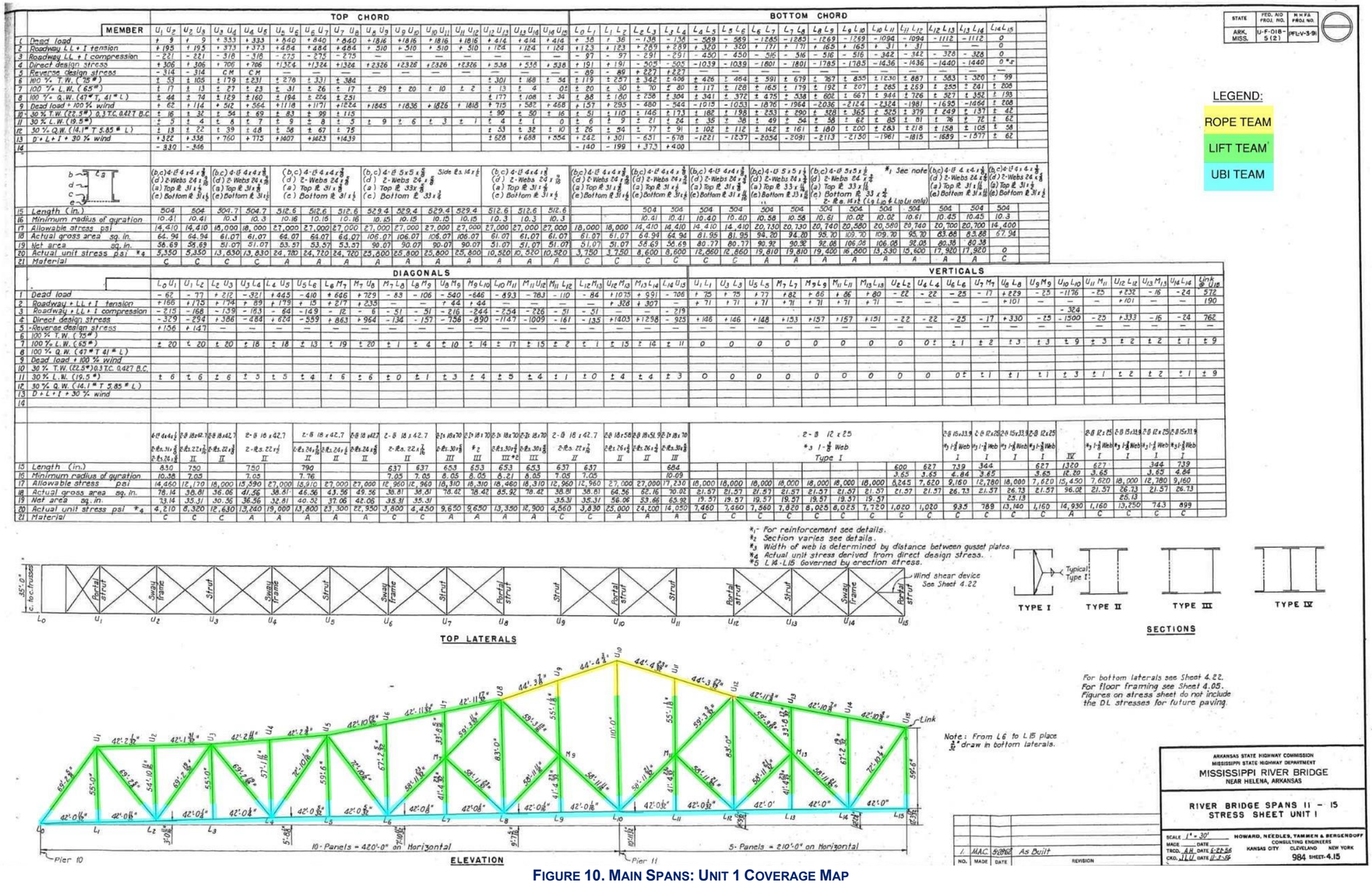


FIGURE 10. MAIN SPANS: UNIT 1 COVERAGE MAP

Michael Baker INTERNATIONAL

STATE	FED. AID PROJ. NO.	HRFA PROJ. NO.
ARK. MISS.	U-F-018-5(2)	NFL-V-3-91

LEGEND:

ROPE TEAM

LIFT TEAM

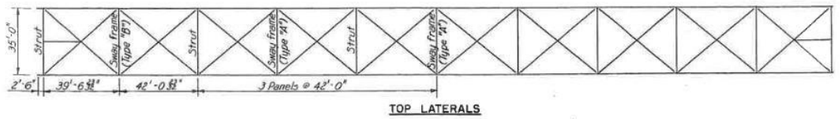
UBI TEAM

Line	MEMBER	TOP CHORD											BOTTOM CHORD										
		U15 U16	U16 U17	U17 U18	U18 U19	U19 U20	U20 U21	U21 U22	U22 U23	U23 U24	U24 U25		L15 L16	L16 L17	L17 L18	L18 L19	L19 L20	L20 L21	L21 L22	L22 L23	L23 L24	L24 L25	
1	Dead Load	-366	-366	-879	-879	-1043	-1043	-879	-879	-366	-366		0	672	672	1001	1001	1001	1001	672	672	0	
2	Rdwy. LL + I Tension													221	221	332	332	332	332	221	221		
3	Rdwy. LL + I Compression	-119	-119	-289	-289	-345	-345	-289	-289	-119	-119												
4	Direct Design Stress	-485	-485	-1168	-1168	-1388	-1388	-1168	-1168	-485	-485	Ksi		893	893	1333	1333	1333	1333	893	893		
5	Reverse Design Stress																						
6	100 % T.W. (75#)	±109	±109	±196	±196	±213	±213	±196	±196	±109	±109		± 83	±332	±332	±440	± 440	± 440	± 440	±332	±332	± 83	
7	100 % L.W. (65#)	± 3	± 3	± 3	± 3	± 2	± 2	± 3	± 3	± 3	± 3		±193	±165	±165	±126	± 126	± 126	± 126	±165	±165	±193	
8	100 % Q.W. (47#T 41#L)	± 70	± 70	±125	±125	±134	±134	±125	±125	± 70	± 70		±173	±312	±312	±356	± 356	± 356	± 356	±312	±312	±173	
9	Dead Load + 100 % Wind	-475	-475	-1075	-1075	-1256	-1256	-1075	-1075	-475	-475			1004	1004	1441	1441	1441	1441	1004	1004		
10	30 % T.W. (22.5#) 0.3 TC 0.438 B.C.	± 33	± 33	± 59	± 59	± 64	± 64	± 59	± 59	± 33	± 33		± 36	±146	±146	±193	± 193	± 193	± 193	±146	±146	± 36	
11	30 % L.W. (19.5#)	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1		± 58	± 50	± 50	± 38	± 38	± 38	± 38	± 50	± 50	± 58	
12	30 % Q.W. (14.1#T 5.85#L)	± 22	± 22	± 38	± 38	± 41	± 41	± 38	± 38	± 22	± 22		± 59	±123	±123	±145	± 145	± 145	± 145	±123	±123	± 59	
13	D+L+I+30 % Wind	-518	-518	-1227	-1227	-1452	-1452	-1227	-1227	-518	-518			1039	1039	1526	1526	1526	1526	1039	1039		
14																							
	SECTIONS																						
		a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 7/16 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16	a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 11/16		See L24 L25	a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 a-Pl. 31 x 1/2		a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 3/8			a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 3/8 e-Pl. 31 x 3/8	a-Cov Pl. 31 x 3/8 b,c-2L 4x4x1/2 d-2 Pls. 24 x 7/16 e-Pl. 31 x 3/8	
15	Length	504.7	504.7	504	504	504	504	504	504	504.7	504.7		504									504	
16	Min Radius of Gyration	10.52	10.52	10.48	10.48	10.45	10.45	10.48	10.48	10.52	10.52		10.42									10.42	
17	Allowable Stress psi	14420	14420	14420	14420	20700	20700	14420	14420	14420	14420		14410	18000	18000	27000	27000	27000	27000	18000	18000	14410	
18	Actual Gross Area Sq. In.	75.95	75.95	87.44	87.44	83.88	83.88	87.44	87.44	75.95	75.95		64.94	64.07	64.07	64.07	64.07	64.07	64.07	64.07	64.07	64.94	
19	Net Area Sq. In.	74.62	74.62	87.44	87.44	80.38	80.38	87.44	87.44	74.62	74.62		58.19	53.57	53.57	53.57	53.57	53.57	53.57	53.57	53.57	58.19	
20	Actual Unit Stress psi *2	6490	6490	13360	13360	17270	17270	13360	13360	6490	6490			16,670	16,670	24900	24900	24900	24900	16,670	16,670		
21	Material	C	C	C	C	A	A	C	C	C	C		C	C	C	A	A	A	A	C	C	C	

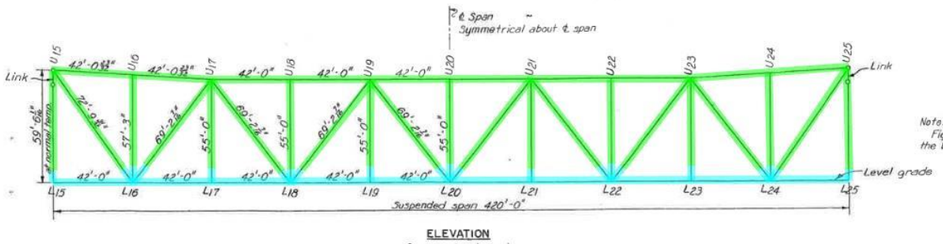
Line	MEMBER	DIAGONALS										POSTS					HANGERS					
		U15 L16	L16 U17	U17 L18	L18 U19	U19 L20	L20 U21	U21 L22	L22 U23	U23 L24	L24 U25	U16 L16	U16 L16	U20 L20	U22 L22	U24 L24	U15 L15	U17 L17	U19 L19	U21 L21	U23 L23	U25 L25
1	Dead Load	634	-504	342	-201	68	68	-201	342	-504	634											
2	Rdwy. LL + I Tension	217	4	138	34	79	79	34	138	4	217											
3	Rdwy. LL + I Compression		-183	-18	-106	-55	-55	-106	-18	-183												
4	Direct Design Stress	851	-687	490	-307	147	147	-307	490	-687	851											
5	Reverse Design Stress																					
6	100 % T.W. (75#)																					
7	100 % L.W. (65#)	±11	±11	±11	±11	±11	±11	±11	±11	±11	±11											
8	100 % Q.W. (47#T 41#L)																					
9	Dead Load + 100 % Wind																					
10	30 % T.W. (22.5#) 0.3 TC 0.438 B.C.																					
11	30 % L.W. (19.5#)	± 3	± 3	± 3	± 3	± 3	± 3	± 3	± 3	± 3	± 3											
12	30 % Q.W. (14.1#T 5.85#L)																					
13	D+L+I+30 % Wind																					
14																						
	SECTIONS																					
		2C18x51.9 2Pl.24 x 3/8	2C18x45.8 2Pl.24 x 3/8	2C18x42.7 2Pl.22 x 3/8	2C18x42.7 2Pl.22 x 3/8	2 C 18 x 42.7 2 Pl. 22 x 3/8	2C18x42.7 2Pl.22 x 3/8	2C18x42.7 2Pl.22 x 3/8	2C18x45.8 2Pl.22 x 3/8	2C18x51.9 2Pl.24 x 3/8		2-12 Csx 25 1-Web Pl. 3/8 *1					2-12 Csx25.0 1-Web pl. 3/8 *1					
15	Length		740		750			750		740												
16	Min Radius of Gyration		7.68		7.85			7.83		7.68												
17	Allowable Stress psi	27000	16790	18000	12170	18000	18000	12170	18000	16790	27000											
18	Actual Gross Area Sq. In.	53.16	50.76	38.81	38.41	36.06	36.06	38.81	38.61	50.76	53.16	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57
19	Net Area Sq. In.	45.66	46.07	32.81	35.31	30.56	30.56	35.31	32.81	46.07	45.66											
20	Actual Unit Stress psi *2	18,640	14,920	14,630	8,700	4,820	4,820	8,700	14,630	14,920	18,640											
21	Material	A	A	C	C	C	C	C	C	A	A	C	C	C	C	C	C	C	C	C	C	C

*1 Width of web is determined by distance between gusset plates.
*2 - Actual unit stresses were derived from direct design stresses.
*3 - L_{15} L_{16} and L_{24} L_{25} governed by erection stresses.

TRUSS REACTIONS		
Point Of Support	Dead Load	Live Load + Impact
Pier 10	+102K	+190K -192K
Pier 11	+2395K	+616K
Link U-15	+572K	+190K
Link U-25	+572K	+190K
Pier 12	+2457K	+627K
Link U-43	+396K	+233K -101K
Pier 13	+2096K	+681K -147K
Link U-59	+296K	+205K -140K
Pier 14	+1914K	+696K -210K
Pier 15	+240K	+243K -155K



TOP LATERALS



ELEVATION
Span on level grade

Note:
Figures on Stress Sheet do not include the DL stresses for future paving.

NO.	MADE	DATE	REVISION
1	MAC	8/8/96	As Built

ARKANSAS STATE HIGHWAY COMMISSION
MISSISSIPPI STATE HIGHWAY DEPARTMENT
MISSISSIPPI RIVER BRIDGE
NEAR HELENA, ARKANSAS

RIVER BRIDGE SPANS 11 – 15
STRESS SHEET UNIT 2

SCALE 1" = 30'
MADE JLU DATE 3-27-56
TRCD. DJK DATE 4-17-56
CHD. GJD DATE 9-17-56

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK
984 SHEET 4.16

FIGURE 11. MAIN SPANS: UNIT 2 COVERAGE MAP

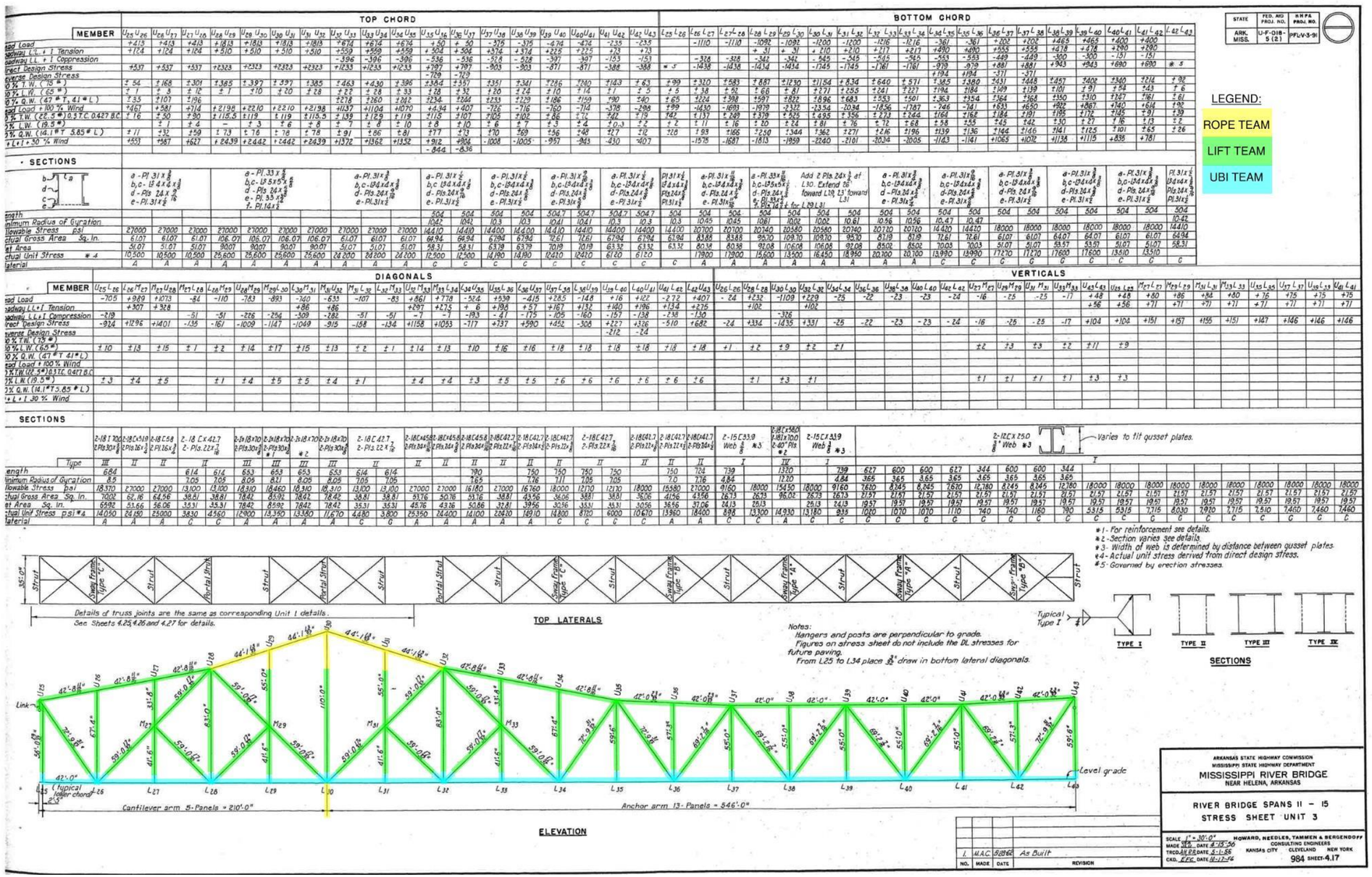


FIGURE 12. MAIN SPANS: UNIT 3 COVERAGE MAP

FIGURE 13. MAIN SPANS: UNIT 4 COVERAGE MAP

STATE	FED. AID PROJ. NO.	H.W.F.A. PROJ. NO.
ARK. MISS.	U-F-018-5(2)	PFL-V-3-91

LEGEND:

ROPE TEAM

LIFT TEAM

UBI TEAM

TOP CHORD

Line	MEMBER	U59 U60	U60 U61	U61 U62	U62 U63	U63 U64	U64 U65	U65 U66	U66 U67	U67 U68	U68 U69	U69 U70	U70 U71	U71 U72	U72 U73
1	Dead Load	+ 237	+ 237	+ 237	+ 1235	+ 1235	+ 1235	+ 1235	+ 310	+ 310	+ 310	- 72	- 72	- 200	- 200
2	Roadway L.L + I Tension	+ 154	+ 154	+ 154	+ 604	+ 604	+ 604	+ 604	+ 575	+ 575	+ 575	+ 444	+ 444	+ 231	+ 231
3	Roadway L.L + I Compression	- 86	- 86	- 86	- 274	- 274	- 274	- 274	- 500	- 500	- 500	- 487	- 487	- 305	- 305
4	Direct Design Stress	+ 391	+ 391	+ 391	+ 1839	+ 1839	+ 1839	+ 1839	+ 980	+ 980	+ 980	- 745	- 745	- 521	- 521
5	Reverse Design Stress	—	—	—	—	—	—	—	- 285	- 285	- 285	+ 558	+ 558	+ 47	+ 47
6	100 % T.W. (75 #)	± 46	± 153	± 276	± 343	± 354	± 352	± 343	± 390	± 341	± 291	± 240	± 192	± 112	± 63
7	100 % L.W. (65 #)	± 4	± 1	± 9	± 7	± 1	± 11	± 20	± 11	± 17	± 22	± 16	± 20	± 9	± 13
8	100 % Q.W. (47 # T, 41 # L)	± 33	± 97	± 179	± 220	± 223	± 229	± 228	± 249	± 224	± 196	± 160	± 133	± 76	± 48
9	Dead Load + 100 % Wind	+ 705	+ 590	+ 513	+ 1578	+ 1587	+ 1578	+ 1587	+ 700	+ 651	+ 601	- 312	- 266	- 312	- 263
10	30 % T.W. (22.5 #) 0.3 T.C. 0.427 B.C.	± 14	± 46	± 83	± 103	± 106	± 106	± 103	± 117	± 102	± 88	± 72	± 58	± 34	± 19
11	30 % L.W. (19.5 #)	± 1	0 ±	± 3	± 2	0 ±	± 3	± 6	± 3	± 5	± 7	± 5	± 6	± 3	± 4
12	30 % Q.W. (14.1 # T, 12.3 # L)	± 10	± 29	± 53	± 66	± 67	± 69	± 69	± 75	± 607	± 59	± 48	± 40	± 23	± 14
13	D + L + I + 30 % Wind	+ 405	+ 437	+ 474	+ 1942	+ 1945	+ 1945	+ 1942	+ 1097	+ 1082	+ 1068	- 817	- 803	- 559	- 540
14															

Line	MEMBER	U72 U73	U73 L74
1	Dead Load	- 200	- 200
2	Roadway L.L + I Tension	+ 231	+ 231
3	Roadway L.L + I Compression	- 321	- 321
4	Direct Design Stress	- 521	- 521
5	Reverse Design Stress	+ 47	+ 47
6	100 % T.W. (75 #)	± 63	± 63
7	100 % L.W. (65 #)	± 13	± 3
8	100 % Q.W. (47 # T, 41 # L)	± 48	± 48
9	Dead Load + 100 % Wind	- 312	- 263
10	30 % T.W. (22.5 #) 0.3 T.C. 0.427 B.C.	± 34	± 19
11	30 % L.W. (19.5 #)	± 6	± 4
12	30 % Q.W. (14.1 # T, 12.3 # L)	± 23	± 14
13	D + L + I + 30 % Wind	- 521	- 540
14			

BOTTOM CHORD

Line	MEMBER	L59 L60	L60 L61	L61 L62	L62 L63	L63 L64	L64 L65	L65 L66	L66 L67	L67 L68	L68 L69	L69 L70	L70 L71	L71 L72	L72 L73	L73 L74
1	Dead Load	0	- 604	- 684	- 652	- 668	- 699	- 699	- 715	- 715	- 101	- 101	+ 177	+ 177	+ 143	+ 143
2	Roadway L.L + I Tension	0	+ 207	+ 207	+ 222	+ 222	+ 409	+ 409	+ 416	+ 416	+ 525	+ 525	+ 419	+ 419	+ 165	+ 165
3	Roadway L.L + I Compression	0	- 399	- 399	- 414	- 414	- 612	- 612	- 612	- 612	- 533	- 533	- 347	- 347	- 116	- 116
4	Direct Design Stress	0	- 1083	- 1083	- 1062	- 1062	- 1311	- 1311	- 1327	- 1327	- 846	- 846	+ 681	+ 681	+ 308	+ 308
5	Reverse Design Stress	—	—	—	—	—	—	—	—	—	+ 636	+ 636	- 255	- 255	—	—
6	100 % T.W. (75 #)	± 90	± 292	± 338	± 824	± 1151	± 759	± 679	± 597	± 514	± 408	± 416	± 398	± 335	± 252	± 117
7	100 % L.W. (65 #)	± 3	± 44	± 58	± 73	± 88	± 198	± 182	± 168	± 153	± 120	± 109	± 75	± 64	± 29	± 18
8	100 % Q.W. (47 # T, 41 # L)	± 60	± 211	± 274	± 362	± 718	± 600	± 540	± 480	± 419	± 332	± 331	± 297	± 250	± 176	± 85
9	Dead Load + 100 % Wind	± 90	- 976	- 1022	- 1497	- 1619	- 1458	- 1378	- 1312	- 1224	- 509	- 519	± 575	± 512	± 395	± 260
10	30 % T.W. (22.5 #) 0.3 T.C. 0.427 B.C.	± 39	± 125	± 238	± 352	± 495	± 324	± 290	± 255	± 220	± 175	± 179	± 170	± 143	± 106	± 50
11	30 % L.W. (19.5 #)	± 39	± 13	± 17	± 22	± 26	± 59	55	50	46	± 36	± 33	± 23	± 19	± 9	± 5
12	30 % Q.W. (14.1 # T, 12.3 # L)	± 26	± 87	± 185	± 234	± 327	± 240	± 216	± 191	± 167	± 133	± 133	± 121	± 102	± 73	± 35
13	D + L + I + 30 % Wind	± 39	- 1208	- 1313	- 1434	- 1577	- 1635	- 1601	- 1582	- 1547	- 1021	- 1025	± 851	± 824	± 416	± 358
14																

SECTIONS

Line		L59 L60	L60 L61	L61 L62	L62 L63	L63 L64	L64 L65	L65 L66	L66 L67	L67 L68	L68 L69	L69 L70	L70 L71	L71 L72	L72 L73	L73 L74
15	Length	514	514	514	529	529	529	529	512	512	512	505	505	505	505	
16	Minimum Radius of Gyration	10.3	10.3	10.3	10.5	10.5	10.5	10.5	10.3	10.3	10.3	10.41	10.41	10.41	10.41	
17	Allowable Stress psi	27,000	27,000	27,000	27,000	27,000	27,000	27,000	27,000	27,000	27,000	14,410	14,410	14,410	14,410	
18	Actual Gross Area Sq. In.	61.07	61.07	61.07	64.94	64.94	64.94	64.94	61.07	61.07	61.07	64.94	64.94	64.94	64.94	
19	Net Area Sq. In.	51.07	51.07	51.07	71.69	71.69	71.69	71.69	51.07	51.07	51.07	58.69	58.69	58.69	58.69	
20	Actual Unit Stress psi *4	7,650	7,650	7,650	25,650	25,650	25,650	25,650	19,200	19,200	19,200	12,700	12,700	8,670	8,670	
21	Material	A	A	A	A	A	A	A	A	A	A	C	C	C	C	

Line		L59 L60	L60 L61	L61 L62	L62 L63	L63 L64	L64 L65	L65 L66	L66 L67	L67 L68	L68 L69	L69 L70	L70 L71	L71 L72	L72 L73	L73 L74
15	Length	504	504	504	504	504	504	504	504	504	504	504	504	504	504	
16	Minimum Radius of Gyration	10.41	10.40	10.40	10.56	9.87	9.87	10.54	10.40	10.40	10.3	10.3	10.3	10.3	10.3	
17	Allowable Stress psi	14,410	14,410	14,410	20,720	20,320	20,320	20,720	20,700	20,700	18,000	18,000	18,000	18,000	18,000	
18	Actual Gross Area Sq. In.	64.94	81.95	81.95	88.81	104.81	104.81	88.81	81.95	81.95	72.61	72.61	61.07	61.07	61.07	61.07
19	Net Area Sq. In.	58.69	80.43	80.43	85.24	101.24	101.24	85.24	80.43	80.43	70.19	70.19	51.07	51.07	51.07	51.07
20	Actual Unit Stress psi *4		13,470	13,470	12,700	10,700	12,960	15,360	16,500	16,500	12,050	12,050	13,350	13,350	6,040	6,040
21	Material	C	C	C	A	A	A	A	A	A	A	A	C	C	C	C

DIAGONALS

Line	MEMBER	U59 L60	L60 M61	M61 U62	U62 L63	L63 M63	M63 L64	L64 M65	M65 U66	U66 L66	L66 M67	M67 L68	L68 U69	U69 L70	L70 U71	U71 L72	L72 U73	U73 L74
1	Dead Load	- 403	+ 635	+ 715	- 80	- 103	- 610	- 713	- 670	- 568	- 102	- 80	+ 656	+ 576	- 354	+ 290	- 163	- 235
2	Roadway L.L + I Tension	+ 152	+ 364	+ 385			+ 76	+ 76	+ 51	+ 51			+ 243	+ 224	+ 37	+ 204	+ 149	+ 196
3	Roadway L.L + I Compression	- 262	- 177	- 177	- 51	- 51	- 250	- 276	- 253	- 227	- 51	- 51	- 32	- 37	- 157	- 183	- 186	- 284
4	Direct Design Stress	- 665	+ 999	+ 1100	- 131	- 154	- 860	- 991	- 923	- 795	- 153	- 131	+ 899	+ 800	- 511	+ 494	- 351	- 519
5	Reverse Design Stress	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	- 257	- 135
6	100 % T.W. (75 #)	± 15	± 19	± 20	± 1	± 2	± 17	± 19	± 15	± 14	± 2	± 1	± 16	± 15	± 12	± 15	± 16	± 17
7	100 % L.W. (65 #)																	
8	100 % Q.W. (47 # T, 41 # L)																	
9	Dead Load + 100 % Wind																	
10	30 % T.W. (22.5 #) 0.3 T.C. 0.427 B.C.																	
11	30 % L.W. (19.5 #)																	
12	30 % Q.W. (14.1 # T, 8.5 # L)																	
13	D + L + I + 30 % Wind																	
14																		

VERTICALS

Line	MEMBER	U59 L59	M61 L61	M63 L63	M65 L65	M67 L67	U69 L69	U71 L71	U73 L73	U60 L60	U61 M61	U62 L62	U63 M63	U64 L64	U65 M65	U66 L66	U67 M67	U68 L68	U70 L70	U72 L72
1	Dead Load	+ 48	+ 78	+ 80	+ 80	+ 76	+ 75	+ 75	+ 74	- 26	- 17	+ 220	- 22	- 815	- 22	- 220	- 17	- 26	- 22	- 22
2	Roadway L.L + I Tension	+ 36	+ 71	+ 71	+ 71	+ 71	+ 71	+ 71	+ 71	—	—	+ 102	—	+ 171	—	+ 102	—	—	—	—
3	Roadway L.L + I Compression	—	—	—	—	—	—	—	—	—	—	—	—	- 383	—	—	—	—	—	—
4	Direct Design Stress	+ 104	+ 146	+ 151	+ 151	+ 147	+ 146	+ 146	+ 145	- 26	- 17	+ 322	- 22	- 1198	- 22	+ 322	- 17	- 26	- 22	- 22
5	Reverse Design Stress	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	100 % T.W. (75 #)	0	0	0	0	0	0	0	0	± 1	± 2	± 2	± 3	± 4	± 3	± 2	± 2	± 1	0 ±	0
7	100 % L.W. (65 #)																			
8	100 % Q.W. (47 # T, 41 # L)																			
9	Dead Load + 100 % Wind																			
10	30 % T.W. (22.5 #) 0.3 T.C. 0.427 B.C.																			
11	30 % L.W. (19.5 #)																			
12	30 % Q.W. (14.1 # T, 8.5 # L)																			
13	D + L + I + 30 % Wind																			
14																				

SECTIONS

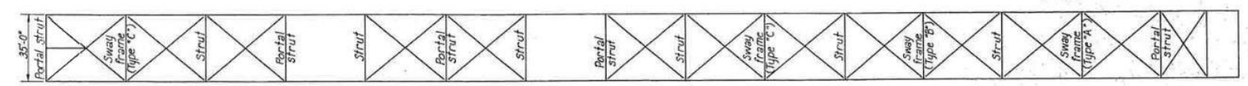
Line		D59 L60	D60 I61	D61 L62	D62 I63	D63 L64	D64 I65	D65 L66	D66 I67	D67 L68	D68 I69	D69 L70	D70 I71	D71 L72	D72 I73	D73 L74
15	Length	764		637	637	648	648	648	648	637	637		800		750	750	750	483
16	Minimum Radius of Gyration	8.5		7.05	7.05	8.05	8.21	8.05	8.05	7.05	7.05		7.76		7.05	7.05	7.05	10.38
17	Allowable Stress psi	17,240	27,000	27,000	12,960	12,960	18,370	18,510	18,370	18,370	12,960	12,960	27,000	27,000	16,060	16,000	12,170	12,170	12,170	14,650
18	Actual Gross Area Sq. In.	70.02	46.36	50.76	38.81	38.81	78.42	85.92	78.42	78.42	38.81	38.81	40.56	40.56	43.56	36.06	38.81	38.81	38.81	78.14
19	Net Area Sq. In.	65.92	39.36	43.26	35.31	35.31					35.31	35.31	34.56	34.56	36.56	30.56	35.31	35.31	35.31	70.14
20	Actual Unit Stress p.s.i. *4	10,100	23,300	25,600	3,710	4,360	10,910	11,530	11,770	10,120	4,330	3,710	26,000	23,150	14,000	16,170	9,850	7,280	4,390	7,100
21	Material	A	A	A	C	C	A	A	A	A	C	C	A	A	A	C	C	C	C	C

Line		D59 L59	D60 I60	D61 L61	D62 I62	D63 L63	D64 I64	D65 L65	D66 I66	D67 L67	D68 I68	D69 L69	D70 I70	D71 L71	D72 I72	D73 L73
15	Length															
16	Minimum Radius of Gyration															
17	Allowable Stress psi	18,000	18,000	18,000	15,000	18,000	18,000	18,000	18,000	9,160	12,780	18,000	7,620	15,370	7,620	18,000
18	Actual Gross Area Sq. In.	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	26.73	21.57	26.33	21.57	26.70	21.57	26.73
19	Net Area Sq. In.	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57		25.13				25.13
20	Actual Unit Stress p.s.i. *4	5,320	7,470	7,470	7,120	7,120	7,320	7,470	7,470	7,410	973	789	12,800	1,020	13,000	1,020
21	Material	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C

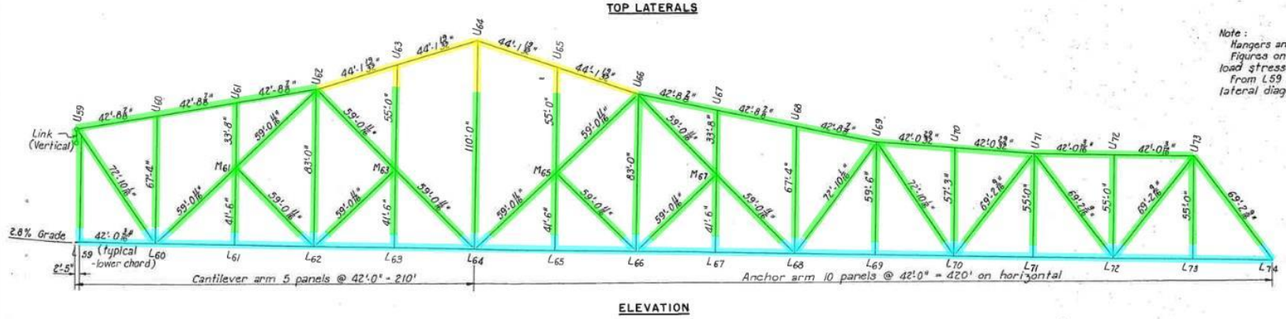
Line		D59 L59	D60 I60	D61 L61	D62 I62	D63 L63	D64 I64	D65 L65	D66 I66	D67 L67	D68 I68	D69 L69	D70 I70	D71 L71	D72 I72	D73 L73
15	Length															
16	Minimum Radius of Gyration															
17	Allowable Stress psi	18,000	18,000	18,000	15,000	18,000	18,000	18,000	18,000	9,160	12,780	18,000	7,620	15,370	7,620	18,000
18	Actual Gross Area Sq. In.	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	26.73	21.57	26.33	21.57	26.70	21.57	26.73
19	Net Area Sq. In.	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57		25.13				25.13
20	Actual Unit Stress p.s.i. *4	5,320	7,470	7,470	7,120	7,120	7,320	7,470	7,470	7,410	973	789	12,800	1,020	13,000	1,020
21	Material	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C

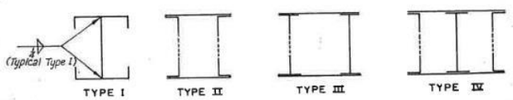
Line		D59 L59	D60 I60	D61 L61	D62 I62	D63 L63	D64 I64	D65 L65	D66 I66	D67 L67	D68 I68	D69 L69	D70 I70	D71 L71	D72 I72	D73 L73
15	Length															
16	Minimum Radius of Gyration															
17	Allowable Stress psi	18,000	18,000	18,000	15,000	18,000	18,000	18,000	18,000	9,160	12,780	18,000	7,620	15,370	7,620	18,000
18	Actual Gross Area Sq. In.	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	26.73	21.57	26.33	21.57	26.70	21.57	26.73
19	Net Area Sq. In.	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57		25.13				25.13
20	Actual Unit Stress p.s.i. *4	5,320	7,470	7,470	7,120	7,120	7,320	7,470	7,470	7,410	973	789	12,800	1,020	13,000	1,020
21	Material	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C

*1 For reinforcement see details.
*2 Section varies, see details.
*3 Width of web is determined by distance between gusset plates.
*4 Actual unit stress derived from direct design stress.



TOP LATERALS





SECTIONS

Note:
Hangers and posts are perpendicular to grade.
Figures on stress sheet do not include dead load stresses for future paving.
From L59 to L68 place ½" draw in bottom lateral diagonals

ARKANSAS STATE HIGHWAY COMMISSION
MISSISSIPPI STATE HIGHWAY DEPARTMENT
MISSISSIPPI RIVER BRIDGE
NEAR HELENA, ARKANSAS

RIVER BRIDGE SPANS 11 — 15
STRESS SHEET UNIT 5

SCALE 1" = 30' — HOWARD, NEEDLES, TAMMEN & BERGENDOFF CONSULTING ENGINEERS
MADE ____ DATE ____ — KANSAS CITY CLEVELAND NEW YORK
TRCD. R.H. DATE 4-27-56
CKD. G.G. DATE 11-1-56
984 SHEET 4.19

NO.	MADE	DATE	REVISION
1	M.A.C.	5/1962	As Built

FIGURE 14. MAIN SPANS: UNIT 5 COVERAGE MAP

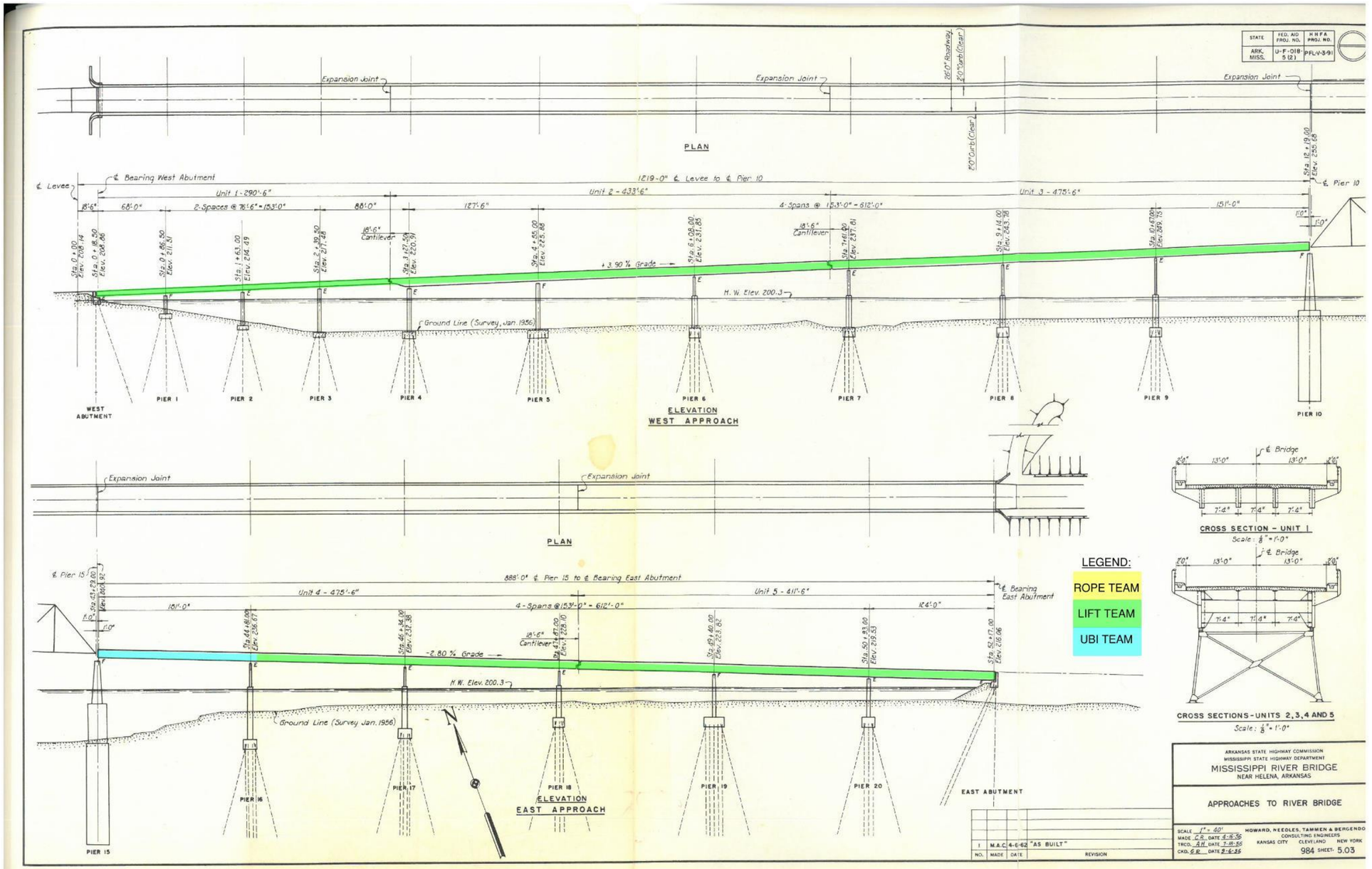


FIGURE 15. APPROACH SPANS COVERAGE MAP

2.0 LOCATION OF ELEMENTS

2.1 MAIN RIVER BRIDGE SPANS NOMENCLATURE

The nomenclature defined in this section and in the subsequent section will be used throughout the remainder of the inspection report and may also be seen in attached field notes (Appendix A-F) and daily log (Appendix H).

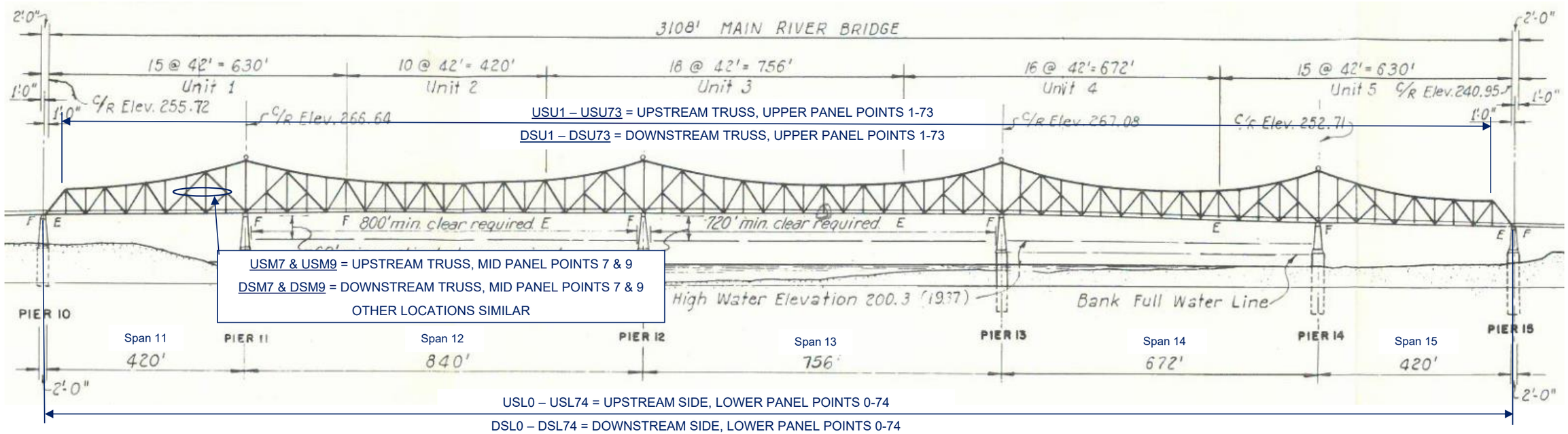


FIGURE 16. MAIN RIVER BRIDGE SPANS NOMENCLATURE (ELEVATION VIEW)

Key:

- NF: North Face
- SF: South Face
- EF: East Face
- WF: West Face
- IB: Inboard Face
- OB: Outboard Face

Note: All unit, span, and pier numbering match existing plans.

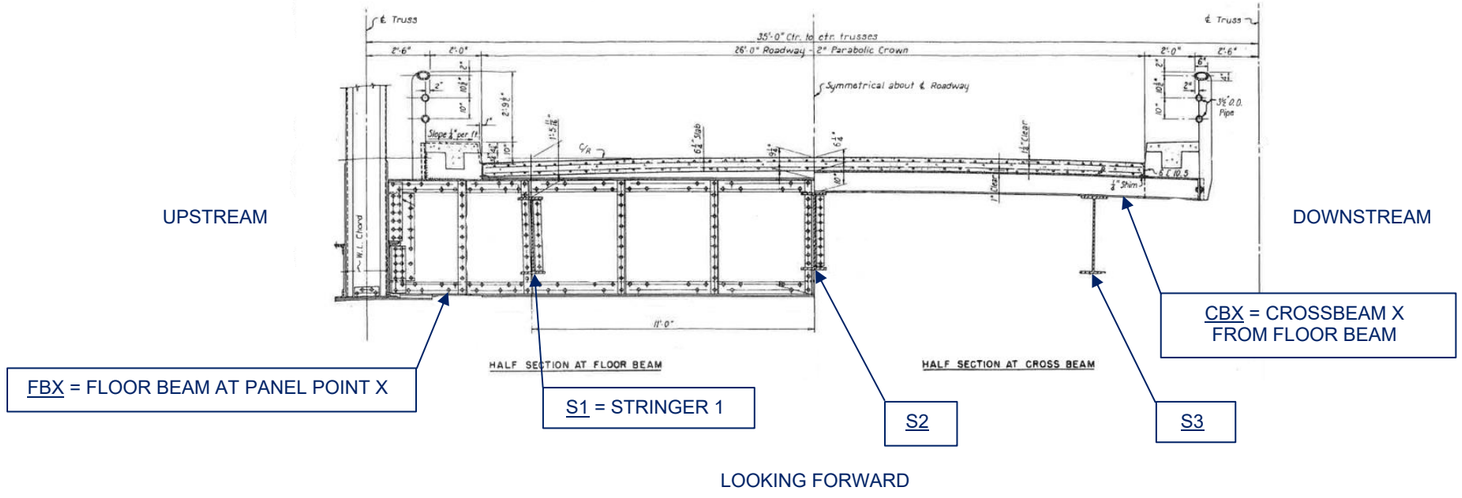


FIGURE 17. MAIN RIVER BRIDGE SPANS NOMENCLATURE (TYPICAL SECTION)

2.2 Approach Spans Nomenclature

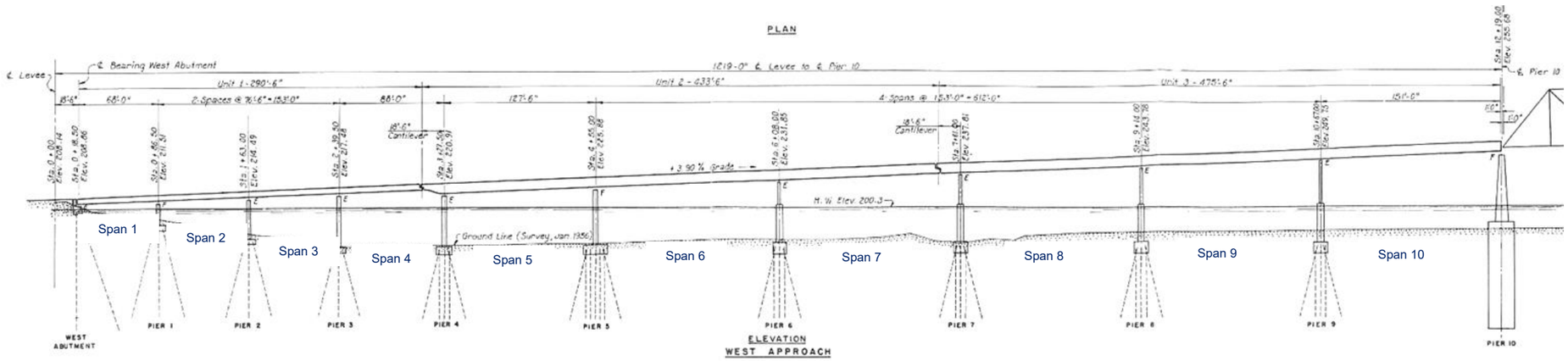


Figure 18. West Approach Spans Nomenclature (Elevation View)

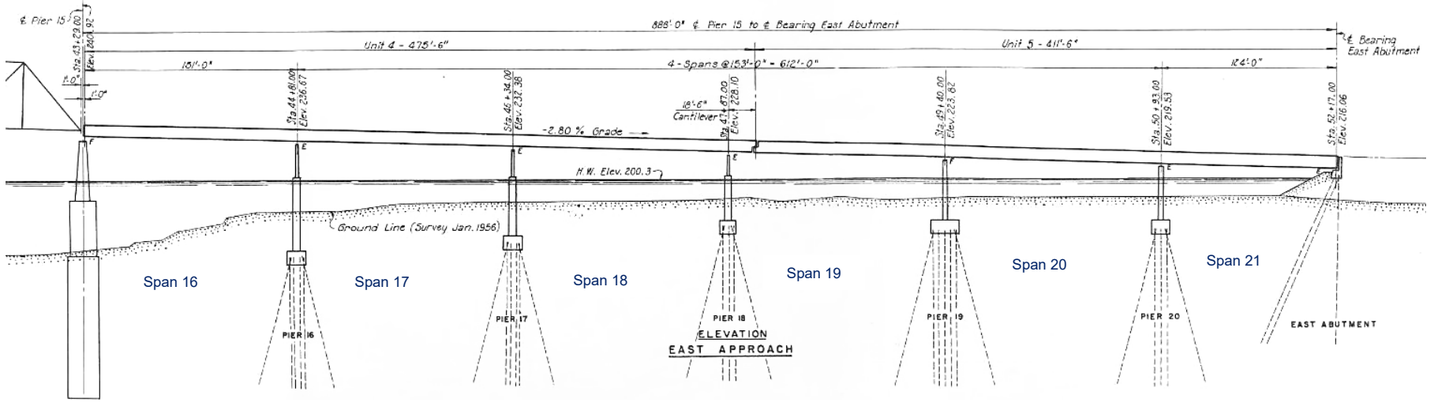
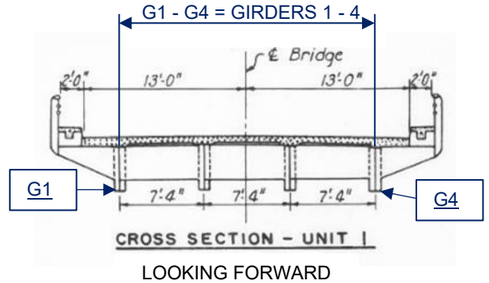
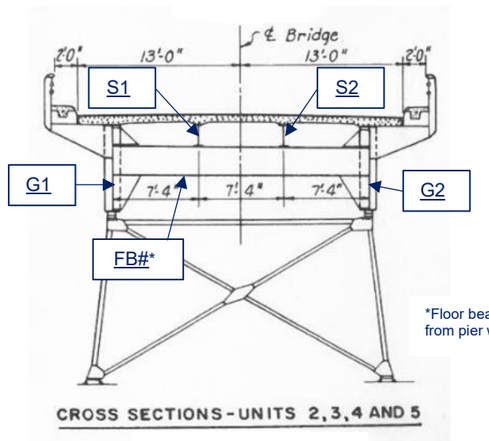


Figure 19. East Approach Spans Nomenclature (Elevation View)



LOOKING FORWARD

Figure 20. Approach Spans Nomenclature: Unit 1 (Typical Section)



LOOKING FORWARD

*Floor beam number is determined counting forward from pier with the floor beam at the pier being FB1.

Figure 21. Approach Spans Nomenclature: Units 2-5 (Typical Section)

2.3 NONREDUNDANT STEEL TENSION MEMBERS – MAIN RIVER BRIDGE SPANS

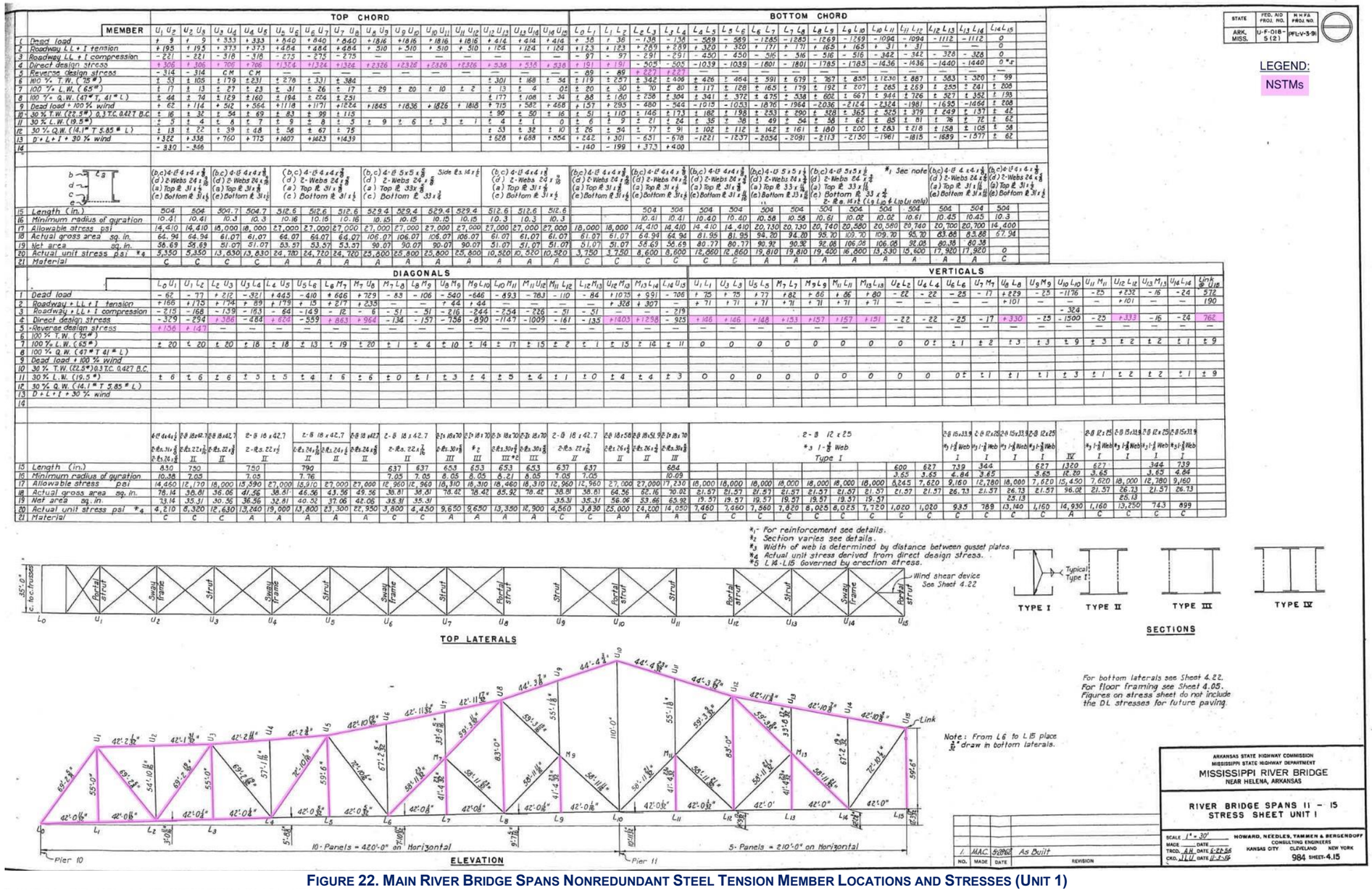


FIGURE 22. MAIN RIVER BRIDGE SPANS NONREDUNDANT STEEL TENSION MEMBER LOCATIONS AND STRESSES (UNIT 1)

STATE	FED. AID PROJ. NO.	H.W.F.A. PROJ. NO.
ARK. MISS.	U-F-018-5(2)	BRFLV-3-91

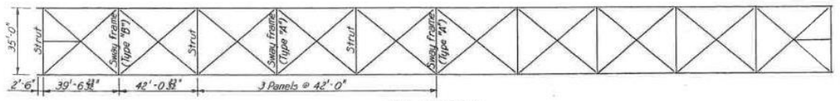
LEGEND:
NSTMs

Line	MEMBER	TOP CHORD											BOTTOM CHORD									
		U15 U16	U16 U17	U17 U18	U18 U19	U19 U20	U20 U21	U21 U22	U22 U23	U23 U24	U24 U25	U25 U26	L15 L16	L16 L17	L17 L18	L18 L19	L19 L20	L20 L21	L21 L22	L22 L23	L23 L24	L24 L25
1	Dead Load	-366	-366	-879	-879	-1043	-1043	-879	-879	-366	-366		0	672	672	1001	1001	1001	1001	672	672	0
2	Rdwy. LL+I Tension													221	221	332	332	332	332	221	221	
3	Rdwy. LL+I Compression	-119	-119	-289	-289	-345	-345	-289	-289	-119	-119											
4	Direct Design Stress	-485	-485	-1168	-1168	-1388	-1388	-1168	-1168	-485	-485		#3	893	893	1333	1333	1333	1333	893	893	#3
5	Reverse Design Stress																					
6	100% T.W. (75#)	±109	±109	±196	±196	±213	±213	±196	±196	±109	±109		± 83	±332	±332	±440	±440	±440	±440	±332	±332	± 83
7	100% L.W. (65#)	± 3	± 3	± 3	± 3	± 2	± 2	± 3	± 3	± 3	± 3		±193	±165	±165	±126	±126	±126	±126	±165	±165	±193
8	100% Q.W. (47#T 41#L)	± 70	± 70	±125	±125	±134	±134	±125	±125	± 70	± 70		±173	±312	±312	±356	±356	±356	±356	±312	±312	±173
9	Dead Load + 100% Wind	-473	-473	-1075	-1075	-1256	-1256	-1075	-1075	-475	-475			1004	1004	1441	1441	1441	1441	1004	1004	
10	30% T.W.(22.5#)0.3 TC 0.4 3B.C.	± 33	± 33	± 59	± 59	± 64	± 64	± 59	± 59	± 33	± 33		± 36	±146	±146	±193	±193	±193	±193	±146	±146	± 36
11	30% L.W.(19.5#)	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1		± 58	± 50	± 50	± 38	± 38	± 38	± 38	± 50	± 50	± 58
12	30% Q.W.(14.1#T 5.85#L)	± 22	± 22	± 38	± 38	± 41	± 41	± 38	± 38	± 22	± 22		± 59	±123	±123	±145	±145	±145	±145	±123	±123	± 59
13	D+L+I+30% Wind	-518	-518	-1227	-1227	-1452	-1452	-1227	-1227	-518	-518			1039	1039	1526	1526	1526	1526	1039	1039	
14																						
	SECTIONS																					
		a-Cov Pl. 31x⅜ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅜	a-Cov. Pl. 31x⅛ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅛	a-Cov. Pl. 31x⅛ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅛	a-Cov. Pl. 31x⅛ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅛	a-Cov. Pl. 31x⅜ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅜	See L24 L25	a-Cov. Pl. 31x⅜ b,c-L6x4x⅜ d-2 Pls. 24x⅜ a-Pl. 31x½	a-Cov. Pl. 31x⅜ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅜	a-Cov. Pl. 31x⅜ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅜	a-Cov Pl. 31x⅜ b,c-L6x4x⅜ d-2 Pls. 24x⅜ e-Pl. 31x⅜	a-Cov Pl. 31x½ b,c-L6x4x⅝ d-2 Pls. 24x⅞ e-Pl. 31x½	
15	Length	504.7	504.7	504	504	504	504	504	504	504.7	504.7		504									504
16	Min Radius of Gyration	10.52	10.52	10.48	10.48	10.45	10.45	10.48	10.48	10.52	10.52		10.42									10.42
17	Allowable Stress psi	14420	14420	14420	14420	20100	20100	14420	14420	14420	14420		14410	18000	18000	27000	27000	27000	27000	18000	18000	14410
18	Actual Gross Area Sq. In.	75.95	75.95	87.44	87.44	83.88	83.88	87.44	87.44	75.95	75.95		64.94	64.07	64.07	64.07	64.07	64.07	64.07	64.07	64.07	64.94
19	Net Area Sq. In.	74.62	74.62	87.44	87.44	80.38	80.38	87.44	87.44	74.62	74.62		58.19	53.57	53.57	53.57	53.57	53.57	53.57	53.57	53.57	58.19
20	Actual Unit Stress psi #2	6490	6490	13360	13360	17270	17270	13360	13360	6490	6490			16670	16670	24900	24900	24900	24900	16670	16670	
21	Material	C	C	C	C	A	A	C	C	C	C		C	C	C	A	A	A	A	C	C	C

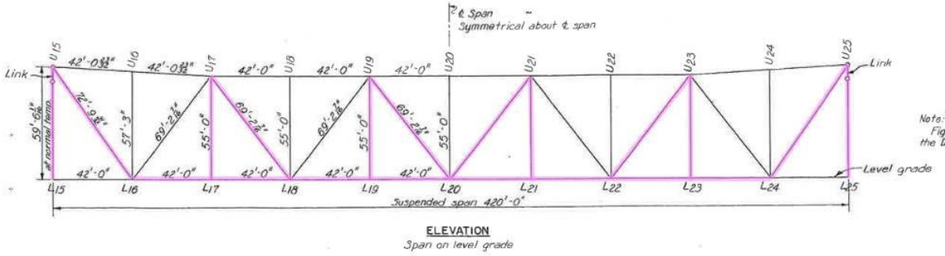
Line	MEMBER	DIAGONALS										POSTS					HANGERS					
		U15 L16	L16 U17	U17 L18	L18 U19	U19 L20	L20 U21	U21 L20	L20 U19	U19 L18	L18 U17	U16 L16	U16 L16	U17 L17	U20 L20	U25 L25	U15 L15	U17 L17	U19 L19	U21 L21	U23 L23	U25 L25
1	Dead Load	634	-504	342	-201	68	68	-201	342	-504	634											
2	Rdwy. LL+I Tension	217	4	138	34	79	79	34	138	4	217											
3	Rdwy. LL+I Compression		-183	-18	-106	-59	-59	-106	-18	-183												
4	Direct Design Stress	851	-697	430	-307	147	147	-307	430	-697	851											
5	Reverse Design Stress																					
6	100% T.W.(75#)																					
7	100% L.W.(65#)	±11	±11	±11	±11	±11	±11	±11	±11	±11	±11											
8	100% Q.W.(47#T 41#L)																					
9	Dead Load + 100% Wind																					
10	30% T.W.(22.5#)0.3 TC 0.4 3B.C.																					
11	30% L.W.(19.5#)	± 3	± 3	± 3	± 3	± 3	± 3	± 3	± 3	± 3	± 3											
12	30% Q.W.(14.1#T 5.85#L)																					
13	D+L+I+30% Wind																					
14																						
	SECTIONS																					
		2C18x51.9 2Pl.24x⅝	2C18x45.8 2Pl.24x⅝	2C18x42.7 2Pl.22x¾	2C18x42.7 2Pl.22x¾	2C18x42.7 2Pl.22x¾	2C18x42.7 2Pl.22x¾	2C18x42.7 2Pl.22x¾	2C18x42.7 2Pl.22x¾	2C18x45.8 2Pl.24x⅝	2C18x51.9 2Pl.24x⅝	2-12 Ca x 25 1-Web pl ⅜ #1					2-12 Ca x 25.0 1-Web pl ⅜ #1					
15	Length		740		759			759		740												
16	Min Radius of Gyration		7.68		7.05			7.05		7.68												
17	Allowable Stress psi	27000	16790	18000	12170	18000	18000	12170	18000	16790	27000											
18	Actual Gross Area Sq. In.	53.16	50.76	38.81	38.81	36.06	36.06	38.81	38.81	50.76	53.16	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57	21.57
19	Net Area Sq. In.	45.66	46.07	32.81	35.31	30.56	30.56	35.31	32.81	46.07	45.66											
20	Actual Unit Stress psi #2	18,640	14,920	14,630	8,700	4,820	4,820	8,700	14,630	14,920	18,640											
21	Material	A	A	C	C	C	C	C	C	A	A	C	C	C	C	C	C	C	C	C	C	C

#1 Width of web is determined by distance between gusset plates.
#2 - Actual unit stresses were derived from direct design stresses.
#3 - L_{15} L_{16} and L_{24} L_{25} governed by erection stresses.

TRUSS REACTIONS		
Point Of Support	Dead Load	Live Load + Impact
Pier 10	+102K	+190K -132K
Pier 11	+2395K	+616K
Link U-15	+572K	+190K
Link U-25	+572K	+190K
Pier 12	+2457K	+627K
Link U-43	+396K	+233K -101K
Pier 13	+2096K	+681K -147K
Link U-59	+296K	+205K -140K
Pier 14	+1914K	+698K -210K
Pier 15	+240K	+243K -155K

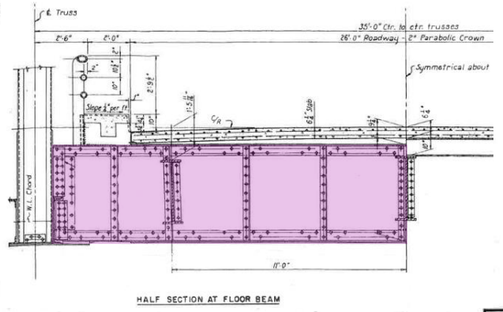


TOP LATERALS



ELEVATION
Span on level grade

Note:
Figures on Stress Sheet do not include the DL stresses for future paving.



HALF SECTION AT FLOOR BEAM

NO.	MADE	DATE	REVISION
1	MAC	6/8/96	As Built

ARKANSAS STATE HIGHWAY COMMISSION
MISSISSIPPI STATE HIGHWAY DEPARTMENT
MISSISSIPPI RIVER BRIDGE
NEAR HELENA, ARKANSAS

RIVER BRIDGE SPANS 11 – 15
STRESS SHEET UNIT 2

SCALE 1" = 30'
MADE JLU DATE 3-27-96
TRCD. DJK DATE 4-17-96
CKD. DJD DATE 9-17-96

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK
984 SHEET 4.16

FIGURE 23. MAIN RIVER BRIDGE SPANS NONREDUNDANT STEEL TENSION MEMBER LOCATIONS AND STRESSES (UNIT 2 AND TYPICAL SECTION)

FIGURE 24. MAIN RIVER BRIDGE SPANS NONREDUNDANT STEEL TENSION MEMBER LOCATIONS AND STRESSES (UNIT 3)

Michael Baker INTERNATIONAL

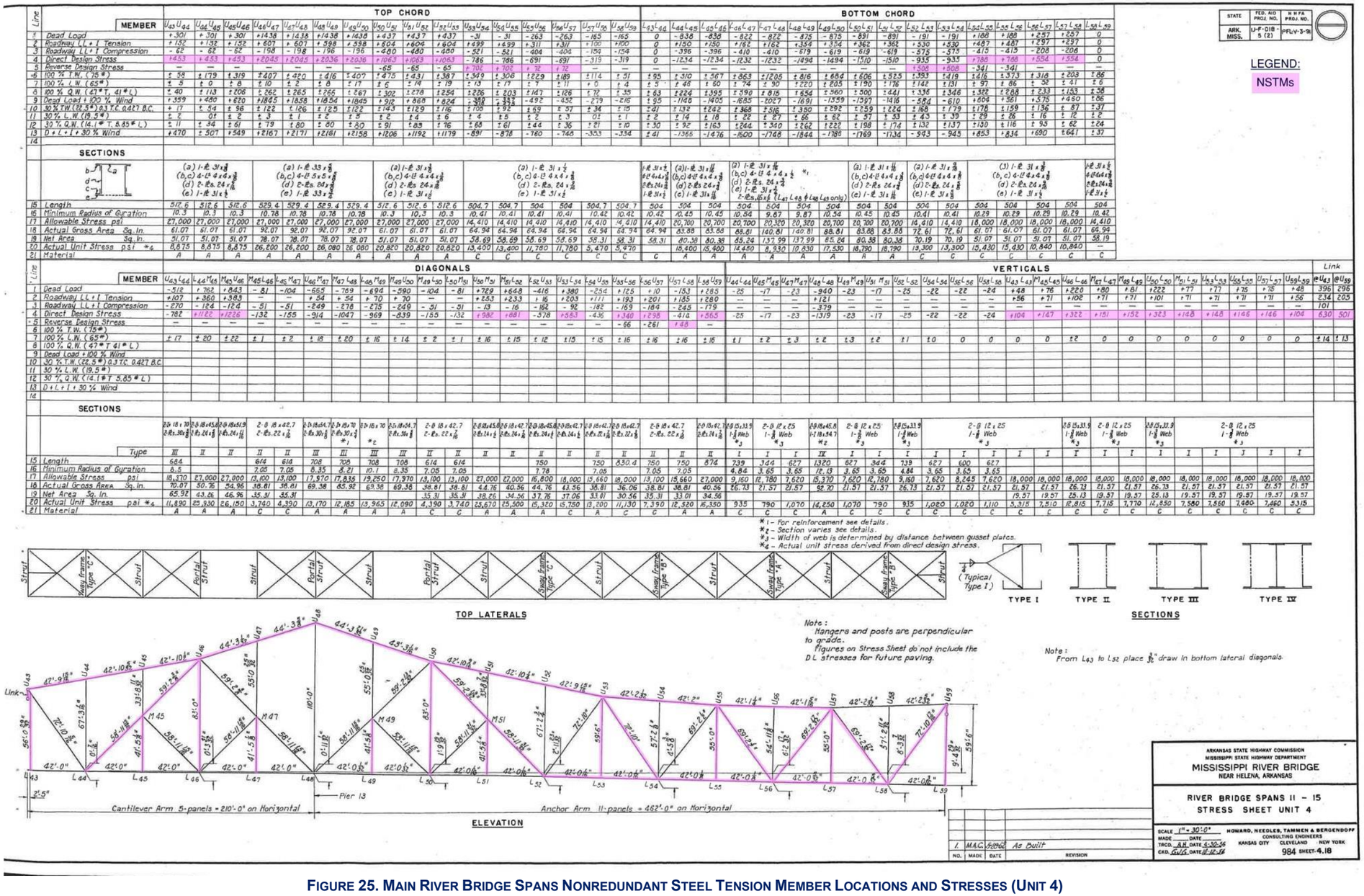


FIGURE 25. MAIN RIVER BRIDGE SPANS NONREDUNDANT STEEL TENSION MEMBER LOCATIONS AND STRESSES (UNIT 4)

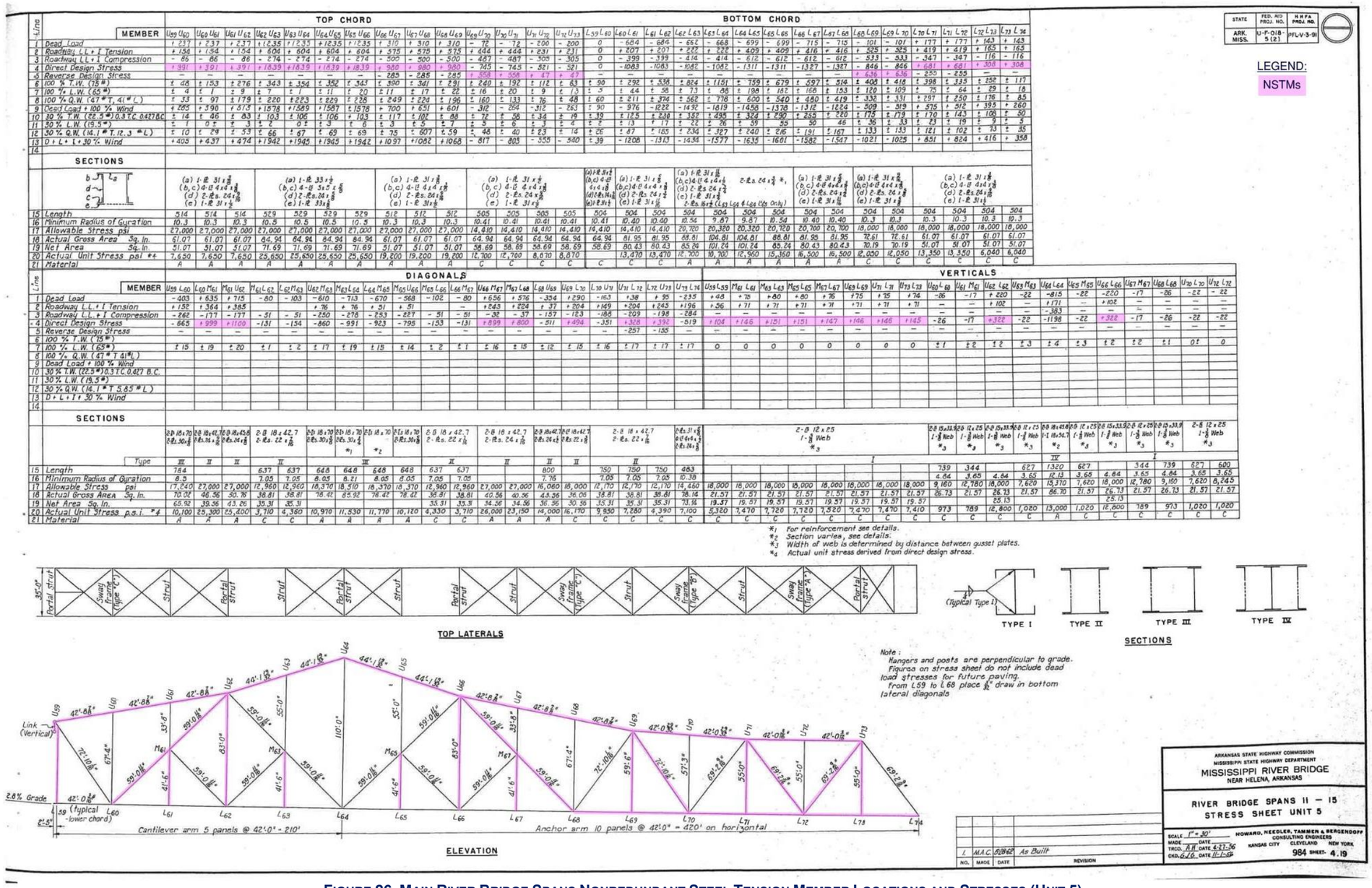


FIGURE 26. MAIN RIVER BRIDGE SPANS NONREDUNDANT STEEL TENSION MEMBER LOCATIONS AND STRESSES (UNIT 5)

2.4 Nonredundant Steel Tension Members – Approach Spans

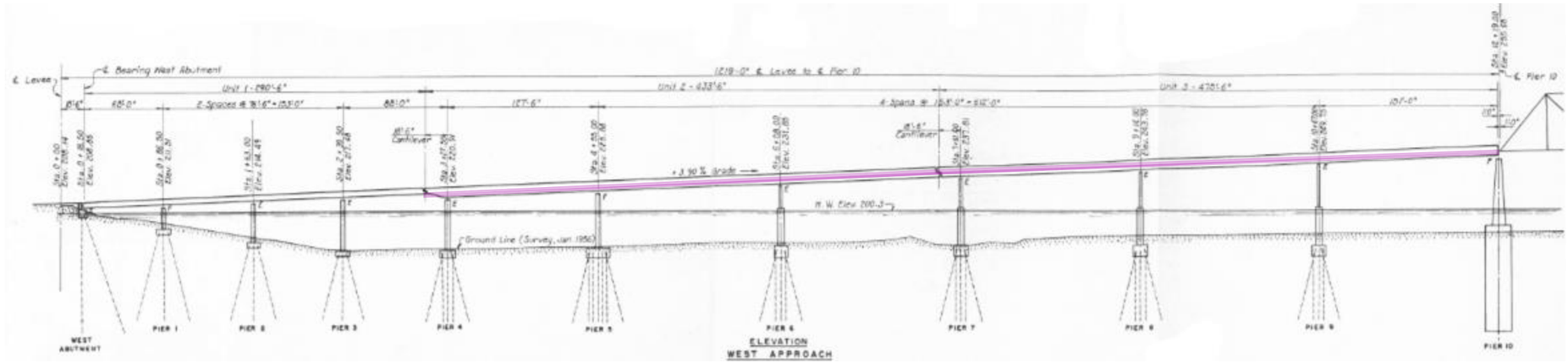


Figure 27. West Approach Spans Nonredundant Steel Tension Member Locations (Elevation View)

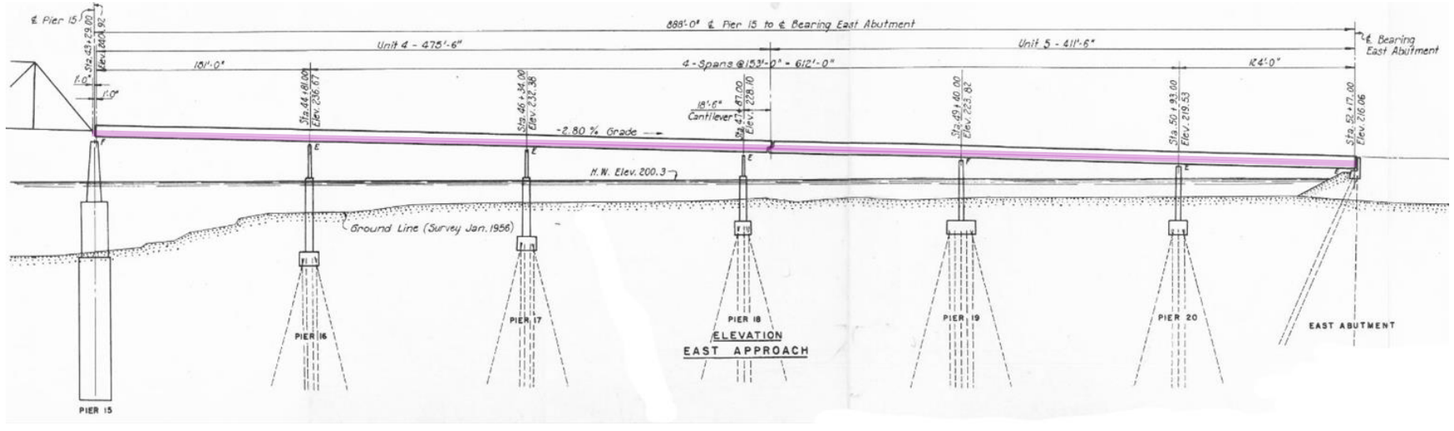


Figure 28. East Approach Spans Nonredundant Steel Tension Member Locations (Elevation View)

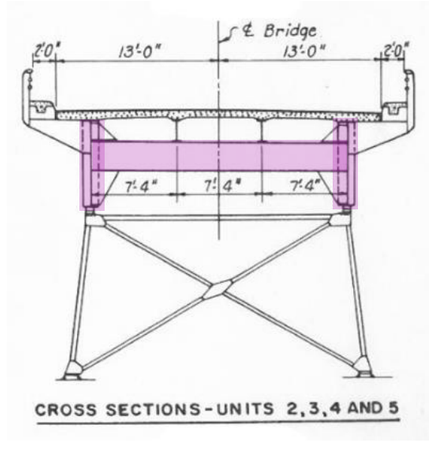


Figure 29. Approach Spans Nonredundant Steel Tension Member Locations (Typical Section)

LEGEND:

NSTMs

3.0 FINDINGS: MAIN RIVER BRIDGE SPANS

3.1 GENERAL

Typical minor defects found across various members comprising the main river bridge spans include surface corrosion with no measurable section loss, paint peeling and deterioration, various missing and broken rivets, and pigeon debris buildup. Common defects found in the upper truss members (upper chord, verticals, diagonals, portal and sway frames) include localized dents and warping of members which appear to have occurred during construction due to the fitting of members or the during fabrication of the members.

FIGURE 30. TYPICAL PIGEON DEBRIS BUILDUP IN UPPER CHORD MEMBER

FIGURE 31. TYPICAL PIGEON DEBRIS BUILDUP IN LATERAL BRACING MEMBER

FIGURE 32. TYPICAL SURFACE CORROSION AND FAILING PAINT SYSTEM

FIGURE 33. TYPICAL CONSTRUCTION OR FABRICATION DEFECT

3.2 DECK AND RAIL

The reinforced concrete deck is in poor condition overall. The deck has extensive patching, with approximately 15% of the total deck area being patched with concrete and/or asphalt. Some patches are covered with epoxy. Patch sizes range from as small as < 1 ft^2 to as large as > 175 ft^2. At all contraction joints, an area approximately 6" x full width of the deck on each side of the joint armor has been removed and replaced. There are very limited locations along the deck with exposed rebar. Transverse cracking exists every 2' to 4'. Wearing and rutting have occurred in both lanes in the vehicle wheel paths.

The longitudinal construction joints between the original construction and the 1988 widened portion of the deck are in poor condition with cracks, spalls, deteriorated patches, exposed rebar, and separation of the channel section from the overhang portion of the deck. The channel separation is allowing water to reach the steel superstructure components below. In addition, the non-composite bridge deck has visibly separated from its supporting transverse cross beams and is exhibiting visible vertical movement near the centerline of the bridge under traffic loading, especially near the expansion joints within the truss unit.

The portion of the deck and rail in Main River Span 13 between Panel Points 38 and 39 that was replaced circa 1997 is in good condition.

The rail is, generally, in good condition. However, there are limited locations along the base of the rail with spalls and exposed rebar. One rail panel on the upstream side of the bridge near Panel Point 3 was replaced by ARDOT HBM forces in late November of 2021.

FIGURE 34. TYPICAL BRIDGE DECK PATCHES AND REPAIRS

FIGURE 35. TYPICAL BRIDGE RAIL SPALL

FIGURE 36. TYPICAL BRIDGE DECK PATCHES AND REPAIRS

FIGURE 37. POOR DECK WIDENING CONSTRUCTION JOINT

FIGURE 38. POOR DECK WIDENING CONSTRUCTION JOINT AND POOR CONNECTION TO CROSS BEAM

FIGURE 39. POOR DECK WIDENING CONSTRUCTION JOINT

3.3 JOINTS

The joints are in poor condition overall. Neoprene troughs at finger joints are torn and impacted with debris. Compression joints have torn or missing joint material, leading to water and debris from the roadway surface leaking down onto the steel superstructure components below, which is causing heavy corrosion and section loss on those members. There is a ¼" vertical misalignment of finger joints on average. Measured openings of the finger joints ranged from 3" at Panel Point 1 (measured at 92°F) to 5" at Panel Point 59 (measured at 68°F). The finger joint steel is in good condition with little to no defects noted.

Nine of nineteen contraction joints are missing all or some joint material, totaling approximately 185 linear feet of missing joint material. Measured joint widths at contraction joints were approximately 5/8” with a 1/8” vertical misalignment on average.

FIGURE 40. MISSING COMPRESSION JOINT MATERIAL

FIGURE 41. TORN NEOPRENE TROUGH AT FINGER JOINT

3.4 UPPER AND LOWER CHORDS

The upper chord members are in good condition overall. Field welds (tack welds) were noted between several gusset plates and upper chord members. Scattered locations of freckled rust as well as minor pigeon debris build up were noted in the upper chord members.

The lower chord members are in poor condition overall; 1/8” to 3/16” section loss is typical on the inside of the member along the entire length of the Main River Spans. There were also two significant defects found in the lower chord members that warranted additional evaluation. More details can be found in Section 5.0 and Section 6.2.

FIGURE 42. INSIDE OF UPPER CHORD MEMBER (TYP)

FIGURE 43. INSIDE OF LOWER CHORD MEMBER (TYP)

3.5 FLOOR BEAMS

The floor beams are in poor condition overall. Most floor beams have moderate corrosion with localized areas of section loss of up to 50% located at both ends of the top flange (near the deck widening construction joint) and on the bottom flange at the ends of the cover plate. Floor beams beneath expansion/contraction joints exhibit

moderate to heavy corrosion along the entire length of the top flange with notable section loss on the bottom flange, transverse stiffeners, and web around the built-up member connections.

FIGURE 44. BOTTOM FLANGE OF FLOOR BEAM AT END OF COVER PLATE (TYP)

FIGURE 45. TOP FLANGE OF FLOOR BEAM NEAR DECK WIDENING CONSTRUCTION JOINT (TYP)

FIGURE 46. FLOOR BEAM CONNECTION TO VERTICAL TRUSS MEMBER (TYP) – LAMINATION

FIGURE 47. TYPICAL FLOOR BEAM AT FINGER JOINT – NOTABLE CORROSION WITH SECTION LOSS ON THE BOTTOM FLANGE, STIFFENERS, AND WEB.

FIGURE 48. TYPICAL FLOOR BEAM AT FINGER JOINT (BOTTOM FLANGE) – HEAVY SECTION LOSS AND HOLES IN WEB AND STIFFENER.

3.6 PIN AND HANGER ASSEMBLIES

NDE of the pin assemblies indicated that the pins are in good condition. NDE of two of the pins showed “minor indications” and one pin with no indications was noted as “loose in the connection”; further information can be found in Appendix G. The hangers all appear to be in fair condition overall with section loss/pitting on the lower floor system hangers. A few notes include the nut on an upper chord pin having backed off away from the hanger approximately 1” (Figure 52), fretting, and section loss on the stringer hanger bars.

FIGURE 49. PIN AND HANGER ASSEMBLY: UPPER CHORD

FIGURE 50. PIN AND HANGER ASSEMBLY (UPPER CHORD)

FIGURE 51. FRETTING FROM UPPER ALIGNMENT PIN (UPPER CHORD, NON-NSTM)

FIGURE 52. 1-1/8" GAP BETWEEN NUT AND HANGER BAR (UPPER CHORD)

FIGURE 53. GOUGE/NOTCH IN HANGER BAR (STRINGER)

FIGURE 54. SECTION LOSS ON HANGER BAR UNDER OPEN JOINT (STRINGER)

FIGURE 55. FRETTING FROM PIN (STRINGER)

3.7 Stringers and Cross Beams

The stringers and cross beams are in fair condition overall. Many stringer connection angles to the floor beams have broken rivets and show signs of prying forces (see Section 6.0 for notable locations). Cross beams display visible vertical movement under traffic loading, broken bolts and rivets connecting to the stringers, and missing shim plates. Cross beams near joints have moderate to heavy corrosion with section loss.

Figure 56. Cross Beam: Missing Shim, Visible Separation From Stringer

Figure 57. Missing and Broken Bolts Between Cross Beams and Stringer

Figure 58. Corrosion and Section Loss on Cross Beam Near Deck Joint

3.8 Verticals and Diagonals

The vertical and diagonal truss members are generally in good condition.

3.9 Upper Laterals

The inside of the upper lateral truss members appears to be in good condition, with scattered freckled rust and pigeon debris buildup. The exterior faces of the members appear to be in good condition.

FIGURE 59. TYPICAL VERTICAL AND DIAGONAL TRUSS MEMBERS

FIGURE 60. INSIDE UPPER LATERAL TRUSS MEMBER: PIGEON DEBRIS BUILDUP

FIGURE 61. INSIDE UPPER LATERAL TRUSS MEMBER: PIGEON DEBRIS BUILDUP

3.10 GUSSET PLATE CONNECTIONS

The gusset plate connections are in good condition overall. Various rivets have been replaced with bolts. Defects include broken or cracked tack welds, surface corrosion with no section loss, and minor pack rust.

FIGURE 62. UPPER CHORD GUSSET PLATE CONNECTION

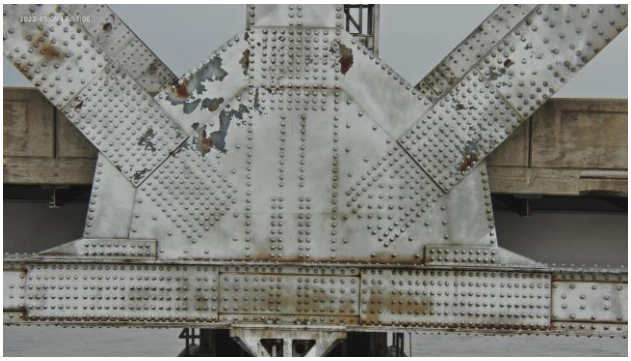


FIGURE 63. LOWER CHORD GUSSET PLATE CONNECTION

FIGURE 64. BROKEN TACK WELD ON UPPER CHORD GUSSET PLATE

FIGURE 65. CRACKED TACK WELD ON UPPER CHORD GUSSET

3.11 PORTAL FRAMES AND SWAY FRAMES

The portal frame members and sway bracing members are in good condition overall. A typical inspection observation was a gap between the connection plate and portal frame member with corrosion.

FIGURE 66. GAP BETWEEN CONNECTION PLATE AND MEMBER

FIGURE 67. TYPICAL SWAY FRAME

3.12 BEARINGS

The bearings are in fair condition overall. In general, the bearings show signs of fretting and minor corrosion with no section loss.

FIGURE 68. TYPICAL FIXED BEARING

FIGURE 69. TYPICAL EXPANSION BEARING

3.13 PIERS

The piers are in fair condition overall. Most piers have vertical cracking in the pier walls adjacent to each column and up the center of the wall. Typical cracking as seen in Figure 72. Piers 12 and 13 both have scrapes and spalls on the upstream face with up to two layers of rebar exposed which exhibits section loss and/or is broken.

FIGURE 70. BARGE IMPACT DAMAGE TO PIER 12

FIGURE 71. DAMAGE WITH EXPOSED REBAR SECTION LOSS AND BROKEN REBAR (CLOSE UP VIEW OF FIGURE 70)

FIGURE 72. TYPICAL CRACKING ON PIER

FIGURE 73. TYPICAL VERTICAL CRACKING ON PIER
(CRACKS TRACED FOR EMPHASIS)

Inspection from the inside of the pier was not possible during this inspection; all access panels were locked. During the inspection of the piers, it was noted that entering the access panel located on the access ladder side would be simple. However, due to no intermediate tie offs, it would not be simple to safely access the panel on the opposite side of the pier. Also, at Pier 15, the access ladder intermediate landing platform was missing a segment of steel grating.

FIGURE 74. ACCESS PANEL IN PIER COLUMN, NO INTERMEDIATE TIE OFF POINT (TYP)

FIGURE 75. MISSING GRATING ON INTERMEDIATE LANDING PANEL FOR ACCESS LADDER AT PIER 15

3.14 MISCELLANEOUS

The wind locks (located at all finger joints) show heavy corrosion with heavy section loss and holes in some locations. The wind locks located under the superstructure show signs of pooling water and debris buildup coming through the joint from the roadway surface above. The damage has extended into the floor beams and other members near the wind locks.

FIGURE 76. TYPICAL WIND LOCK AND FLOOR BEAM BELOW DECK

4.0 FINDINGS: APPROACH SPANS

4.1 GENERAL

Typical defects found along the approach spans include surface corrosion with no measurable section loss and moderate corrosion in the tops of the overhang brackets.

FIGURE 77. TYPICAL CORROSION ON OVERHANG BRACKET

FIGURE 78. TYPICAL GIRDER OUTBOARD FACE

4.2 Deck and Rail

The reinforced concrete bridge deck and rails are in fair condition overall. Typical transverse cracking with efflorescence exists every 2 to 4 feet.

Figure 79. Typical Transverse Deck Cracking

Figure 80. Typical Transverse Deck Underside Cracking with Efflorescence

4.3 Joints

The joints are in poor condition overall. Neoprene troughs at finger joints are torn and contain impacted debris, leading to water from the roadway surface above to leak down onto the steel superstructure components below, causing heavy corrosion and section loss on those members. Unit 1 joints indicate some issues may exist with the global longitudinal behavior of the approach structure; see Section 4.9 for further details.

Figure 81. Torn Neoprene Trough at Finger Joint

FIGURE 82. TORN NEOPRENE TROUGH AND CORROSION WITH SECTION LOSS AT FINGER JOINT

4.4 GIRDERS AND STRINGERS

Girders and stringers not located near deck joints are in good condition overall. Girders and stringers at and near joints are in poor condition with heavy corrosion and section loss.

FIGURE 83. HEAVY CORROSION WITH SECTION LOSS ON STRINGER NEAR FINGER JOINT

4.5 Floor Beams

Floor beams not located near deck joints are in fair condition overall. Floor beams at and near deck joints are in poor condition with heavy corrosion and section loss.

Figure 84. Heavy Corrosion at Finger Joint

Figure 85. Heavy Corrosion at Finger Joint

4.6 Pin and Hanger Assemblies

NDE of the pin assemblies indicated the pins are in good condition. Of the 12 pins (and considering readings typically taken on each face of the pin) 6 faces of the pins were inaccessible; further information can be found in Appendix G. The inaccessible pin faces are the inside face of the upper pin due to the impacted troughs and tight clearance between floor beams. The hangers all appear to be in good condition overall.

Figure 86. Buildup of Debris from Finger Joint on Upper Pin (Inaccessible for NDE)

FIGURE 87. NDE ON APPROACH SPAN PINS

4.7 SPLICE CONNECTIONS

Splice connections are in fair condition overall. Pack rust has formed between plates causing deformation in the material. Also, various riveted connections have been replaced with bolts.

FIGURE 88. TYPICAL PACK RUST FORMING BETWEEN COVER PLATE AND BOTTOM FLANGE ANGLES BETWEEN RIVET LINES

4.8 BEARINGS

Moderate to heavy corrosion and section loss can be seen on bearings near joints. Other bearings show minor surface corrosion with no section loss.

FIGURE 89. CORROSION WITH SECTION LOSS ON BEARING AT JOINT

FIGURE 90. TYPICAL BEARING

4.9 ABUTMENTS

The West Abutment is in fair condition. The backwall of the West Abutment is spalling and is rotated 2° forward, closing the expansion joint. The following joint (between Units 1 and 2) is nearly closed at 72°F, indicating poor expansion performance in the Unit 1 superstructure. The East Abutment is in good condition overall.

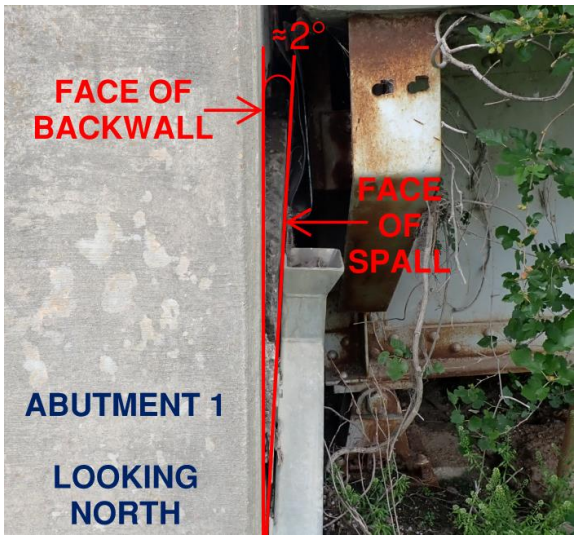


FIGURE 92. WEST ABUTMENT BACKWALL: ROTATED FORWARD

FIGURE 91. WEST ABUTMENT BACKWALL: LARGE SPALL

FIGURE 93. UNIT 1 WEST ABUTMENT FINGER JOINT COMPLETELY CLOSED AT 72°F

FIGURE 94. UNIT 1 / UNIT 2 FINGER JOINT NEARLY CLOSED AT 72°F

4.10 PIERS

The piers are in fair condition overall. At the start of the inspection, most of the piers at the east approach spans were covered in vegetation, making inspection difficult. On May 11th, a Mississippi Department of Transportation (MDOT) maintenance crew arrived on-site and cleared the vegetation for inspection. Most piers have vertical cracking in the pier walls adjacent to each column and up to the center of the wall. There are a few locations of spalling with and without exposed rebar.

FIGURE 95. EAST APPROACH PIER BEFORE MDOT MAINTENANCE REMOVED VEGETATION

FIGURE 96. EAST APPROACH PIERS CLEARED OF VEGETATION

FIGURE 97. TYPICAL VERTICAL CRACKING UP PIER WALL (CRACKS TRACED FOR EMPHASIS)

4.11 APPROACH ROADWAYS

The approach pavement to the west approach spans has an asphalt overlay up to the beginning of the bridge. This overlay is in good condition. The thrie-beam and guardrail appear to be in good condition.

FIGURE 98. WEST APPROACH ROADWAY (LOOKING FORWARD)

The approach to the east approach spans has an asphalt overlay up to the approach slab. This overlay is in poor condition. However, the approach slab is in good condition. There is no thrie-beam guardrail connection to the bridge rail on the east end of the bridge. The guardrail appears to be in good condition.

FIGURE 99. EAST APPROACH (LOOKING BACK)

4.12 MISCELLANEOUS

The wind locks (located under all finger joints) show heavy corrosion with heavy section loss and holes in some locations. The wind locks show signs of pooling water and debris buildup coming through the joint from the roadway surface above. The corrosion has extended into the floor beams and other members near the wind locks.

FIGURE 100. TYPICAL WIND LOCK IN APPROACH SPAN

5.0 CRITICAL FINDING

5.1 USL16-USL17

Multiple surface-breaking indications were found in the top plate of the upstream lower chord between Panel Points USL16 and USL17. The first indication exists approximately 11'-0" from USL16, and the second indication exists approximately 16'-3" from USL16. Harper contacted ARDOT Heavy Bridge Maintenance Division (HBM) on May 6th to report the finding. The HBM crew arrived on May 9th to arrest the indication located 16'-3" from USL16 immediately with a 1" diameter drilled crack arrest hole.

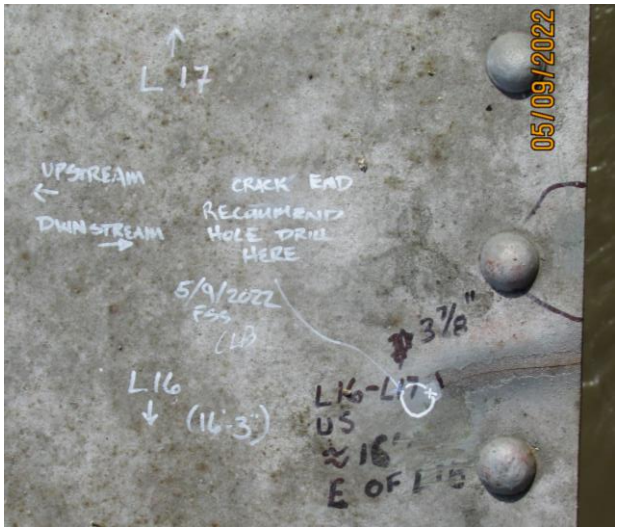


FIGURE 101. CRACK IN TOP PLATE OF LOWER CHORD PRE-ARRESTOR HOLE

FIGURE 102. CRACK IN TOP PLATE OF LOWER CHORD POST ARRESTOR HOLE

FIGURE 103. SURFACE-BREAKING INDICATION IN TOP PLATE OF LOWER CHORD

6.0 NOTABLE FINDINGS

6.1 DSL14-DSL15

Two holes were found (2" and 3" diameter) in the bottom plate of the downstream lower chord between Panel Points DSL14 and DSL15 about a foot from PP15.

FIGURE 104. HEAVY SECTION LOSS AND HOLES IN THE BOTTOM PLATE OF THE LOWER CHORD (FROM OUTSIDE MEMBER)

FIGURE 105. HEAVY SECTION LOSS AND HOLES IN THE BOTTOM PLATE OF THE LOWER CHORD (FROM INSIDE MEMBER)

6.2 DSL40-DSL41

Multiple holes were found in the top plate of the downstream lower chord between Panel Points DSL40 and DSL41 at approximately 3' from DSL41. A field calculation determined that a total of 12.6% of the steel area was lost, keeping the given design stress below the allowable stress per the original design plans. Harper contacted ARDOT HBM Division on May 11th to report the finding, and ARDOT decided to wait until the load rating is completed and all recommended repairs are determined before repairing the member.

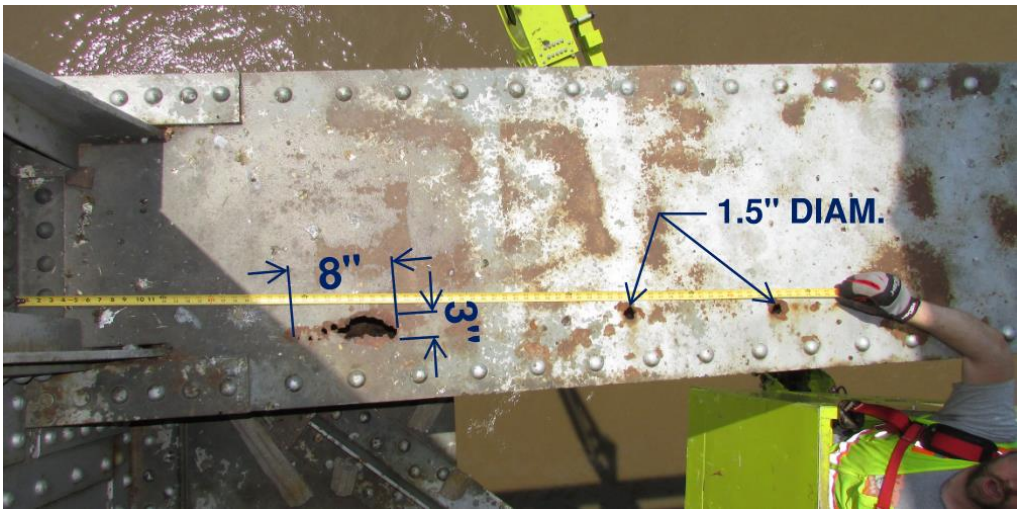


FIGURE 106. HEAVY SECTION LOSS AND HOLES IN TOP PLATE OF LOWER CHORD (FROM OUTSIDE MEMBER)

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DSL40-DSL41: Section Loss & Actual Stress
Bridge Inspection

Job: 110812 - Mississippi River Bridge Rehab
By: MKL Date: 09/07/2022
Checked By: ERBB Date: 09/12/2022

During the MBI inspection of the Hwy. 49 Mississippi River Bridge several holes were discovered in the top plate of the downstream lower chord of panel 40. The largest hole measured approximately 8"x3" and was located just over top of an access hole (approx. 3' from PP41), which measures 18"x9". In this calculation, the remaining cross-sectional area of the member at this point of interest will be determined, and the new actual stress will be compared to the original design stress shown in the plans.

Material: Carbon Structural Steel ASTM A7-55T

Allowable Stress (From Plans)

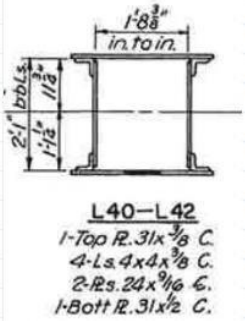
$f_a := 18\ ksi$

Actual Stress (From Plans)

$F_{as} := 13510\ psi$

Design Load = DL+LL+I (From Plans)

$L_{DL} := 690\ kip$



Original Area

$$A_O := \frac{3}{8}\ in \cdot 31\ in + 0.5\ in \cdot 31\ in + 2 \cdot \frac{9}{16}\ in \cdot 24\ in + 4 \cdot 2.86\ in^2 - 9\ in \cdot 0.5\ in = 61.065\ in^2$$

Matches Plans

Net Area (From Plans used in Actual Stress calc.)

$A_N := 51.07\ in^2$

Section Loss

$$A_L := 3 \cdot 4\ in \cdot \frac{1}{8}\ in + 2 \cdot \frac{1}{8}\ in \cdot 1\ in + 4\ in \cdot \frac{3}{8}\ in + 2 \cdot 3\ in \cdot \frac{3}{16}\ in + 0.19\ in \cdot 10.75\ in = 6.418\ in^2$$

Remaining Net Area

$A_R := A_N - A_L = 44.653\ in^2$

$$P_R := \frac{A_R}{A_N} = 87.434\%$$

$$(1 - P_R) = 12.566\%$$

New Actual Stress

$$F_A := \frac{L_{DL}}{A_R} = 15.453\ ksi$$

$F_A < f_a = 1$

(1 = True, OK)
(0 = False, NG - Check Yield)

FIGURE 107.SECTION LOSS AND ACTUAL STRESS CALCULATION (DSL40-DSL41)

FIGURE 108. HEAVY SECTION LOSS AND HOLES IN TOP PLATE OF LOWER CHORD (FROM INSIDE MEMBER)

6.3 S1 @ FB12

Stringer 1 at Panel Point 12 appears to be prying away from the west face of Floor Beam 12 (contraction joint exists on the east face). There is a 5” crack on the upstream connection angle with two broken rivets.

FIGURE 109. CRACK IN STRINGER CONNECTION ANGLE WITH TWO BROKEN RIVETS

6.4 S1 @ FB17

At Panel Point 17, the connection angle between Stringer 1 and the west face of Floor Beam 17 has three “popped” rivet heads, and the remaining rivets appear to have a prying force acting on them as well (gap between floor beam and connection angle).

FIGURE 110. THREE BROKEN RIVETS IN STRINGER CONNECTION ANGLE

6.5 S2 @ FB28

Stringer 2 at Panel Point 28 appears to be prying away from the east face of Floor Beam 28 (contraction joint exists on the west face). There is an 11” surface-breaking indication on the upstream connection angle, the downstream connection angle has a broken rivet head.

FIGURE 111. BROKEN RIVET IN CONNECTION ANGLE

FIGURE 112. SURFACE-BREAKING INDICATION ON WELD IN CONNECTION ANGLE

6.6 S1 @ FB62

At Panel Point 62, the connection angle between Stringer 1 and the east face of Floor Beam 62 had four “popped” rivet heads, and the remaining rivets appeared to have a prying force acting on them as well (gap between floor beam and connection angle). While the ARDOT HBM crew was on-site they repaired the connection.

FIGURE 113. FOUR BROKEN RIVETS IN CONNECTION ANGLE (REPAIRED BY HBM CREWS ON MAY 10, 2022)

6.7 FLOOR BEAMS

Floor beams adjacent to expansion joints exhibit heavy corrosion and section loss with holes at select locations. See Figures 47 and 48 with heavy section loss and holes in the web and stiffener and Figure 76 with heavy section loss and holes in the bottom flange, web, and stiffener as well as heavy corrosion and debris buildup on the wind lock. See Appendix D for detailed inspection notes of all floor beams.

6.8 WEST ABUTMENT

The backwall of the West Abutment is spalling and is rotated forward, closing the expansion joint. The following joint (between Units 1 and 2) is nearly closed, indicating poor expansion performance in the Unit 1 superstructure. See Figures 91 through 94 and Appendix F for photos and detailed inspection notes of the West Abutment.

NBIS RATINGS

TABLE 1. NBI COMPONENT CONDITION RATING

ITEM	DESCRIPTION	RATING
58	Deck	4[1]
59	Superstructure	4
60	Substructure	5[2]

[1]This represents a change from the previous NSTM inspection report (12/06/2021).

[2]The condition of the West Abutment backwall is driving this change from the previous NSTM inspection report (12/06/2021).

TABLE 2. AASHTO ELEMENT LEVEL EVALUATION: APPROACH SPANS

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS 1	CS 2	CS 3	CS 4
12	Reinforced Concrete Deck	SF	64682	48349	5274	11059	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1090	Exposed Rebar	SF	13	0	4	9	0
1120	Efflorescence/Rust Staining	SF	9000	0	3638	5362	0
1130	Cracking (RC and Other)	SF	7319	0	1631	5688	0
107	Steel Open Girder/Beam	LF	4754	1938	2149	667	0
1000	Corrosion	LF	2316	0	1649	667	0
1900	Distortion	LF	500	0	500	0	0
113	Steel Stringer	LF	3596	3432	154	10	0
1000	Corrosion	LF	164	0	154	10	0
152	Steel Floor Beam	LF	1694	1359	0	335	0
1000	Corrosion	LF	335	0	0	335	0
161	Steel Pin, Pin and Hanger Assembly	EA	6	2	2	2	0
1000	Corrosion	EA	4	0	2	2	0
202	Steel Column	EA	14	11	0	3	0
1000	Corrosion	EA	3	0	0	3	0
205	Reinforced Concrete Column	EA	28	25	3	0	0
1090	Exposed Rebar	EA	1	0	1	0	0
1130	Cracking (RC and Other)	EA	2	0	2	0	0
210	Reinforced Concrete Pier Wall	LF	225	189	26	10	0
1080	Delamination/Spall/Patched Area	LF	10	0	0	10	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	24	0	24	0	0
215	Reinforced Concrete Abutment	LF	128	63	33	16	16
1080	Delamination/Spall/Patched Area	LF	2	0	0	0	2
1090	Exposed Rebar	LF	10	0	0	0	10
1120	Efflorescence/Rust Staining	LF	23	0	7	16	0
1130	Cracking (RC and Other)	LF	30	0	26	0	4
234	Reinforced Concrete Pier Cap	LF	77	69	8	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0

Elements	Description	Units	Total	CS 1	CS 2	CS 3	CS 4
303	Assembly Joint with Seal	LF	155	85	0	70	0
2310	Leakage	LF	70	0	0	70	0
311	Movable Bearing	EA	32	12	12	8	0
1000	Corrosion	EA	20	0	12	8	0
313	Fixed Bearing	EA	12	8	4	0	0
1000	Corrosion	EA	4	0	4	0	0
321	Reinforced Concrete Approach Slab	SF	2046	1008	1035	3	0
1080	Delamination/Spall/Patched Area	SF	3	0	0	3	0
1090	Abrasion/Wear	SF	1023	0	1023	0	0
4000	Settlement	SF	12	0	12	0	0
510	Wearing Surfaces	SF	1023	1023	0	0	0
331	Reinforced Concrete Bridge Railing	LF	4217	2691	1526	0	0
1090	Exposed Rebar	LF	26	0	26	0	0
1130	Cracking (RC and Other)	LF	1500	0	1500	0	0

Table 3. AASHTO Element Level Evaluation: Main Truss Spans

Elements	Description	Units	Total	CS 1	CS 2	CS 3	CS 4
12	Reinforced Concrete Deck	SF	96348	85484	1175	9689	0
1080	Delamination/Spall/Patched Area	SF	4481	0	1065	3416	0
1090	Exposed Rebar	SF	6383	0	110	6273	0
113	Steel Stringer	LF	9324	8969	275	80	0
1000	Corrosion	LF	313	0	267	46	0
1020	Connection	LF	42	0	8	34	0
120	Steel Truss	LF	6216	753	3428	2035	0
1000	Corrosion	LF	5463	0	3428	2035	0
152	Steel Floor Beam	LF	2652	1509	0	1143	0
1000	Corrosion	LF	1086	0	0	1086	0
1020	Connection	LF	57	0	0	57	0
161	Steel Pin, Pin and Hanger Assembly	EA	73	31	13	29	0
1000	Corrosion	EA	41	0	13	28	0
7000	Damage	EA	1	0	0	1	0
162	Steel Gusset Plate	EA	342	181	80	81	0
1000	Corrosion	EA	154	0	77	77	0
1010	Cracking	EA	1	0	0	1	0
1900	Distortion	EA	3	0	3	0	0
7000	Damage	EA	3	0	0	3	0
205	Reinforced Concrete Column	EA	12	0	8	4	0
1120	Efflorescence/Rust Staining	EA	4	0	0	4	0
1130	Cracking (RC and Other)	EA	8	0	8	0	0

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS 1	CS 2	CS 3	CS 4
210	Reinforced Concrete Pier Wall	LF	376	60	285	31	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	21	0	0	21	0
1130	Cracking (RC and Other)	LF	31	0	29	2	0
1190	Abrasion/Wear (PSC/RC)	LF	255	0	255	0	0
7000	Damage	LF	8	0	0	8	0
234	Reinforced Concrete Pier Cap	LF	144	107	17	20	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	19	0	0	19	0
1130	Cracking (RC and Other)	LF	17	0	17	0	0
301	Pourable Joint Seal	LF	589	86	0	208	295
2310	Leakage	LF	208	0	0	208	0
7000	Damage	LF	295	0	0	0	295
303	Assembly Joint with Seal	LF	155	0	105	50	0
2310	Leakage	LF	155	0	105	50	0
311	Movable Bearing	EA	4	4	0	0	0
313	Fixed Bearing	EA	8	8	0	0	0
331	Reinforced Concrete Bridge Railing	LF	6220	4226	1820	174	0
1080	Delamination/Spall/Patched Area	LF	15	0	0	15	0
1090	Exposed Rebar	LF	159	0	0	159	0
1130	Cracking (RC and Other)	LF	1820	0	1820	0	0

RECOMMENDATIONS

- Paint flaking and active corrosion on primary and secondary steel members should be cleaned, primed, and repainted. Areas inside the primary and secondary steel members (where poor paint application and water ponding and debris buildup occur) and members near deck joints have the most severe corrosion.
- Bird droppings should be cleared, and screens should be installed in openings to prevent birds from nesting throughout all bridge members.
- To extend the service life of the approach spans, a polymer overlay should be used (per original scope).
- To extend the service life of the main river bridge spans and reduce future maintenance for patching and repairs, the reinforced concrete bridge deck should be removed and replaced. The option of adding shear stud connectors to transverse cross beams to create a composite connection to the new bridge deck should be examined. Replacing the deck will also simplify access to the structural steel below the deck that may require repairs (repair recommendations pending results of load rating).
- Areas of moderate to heavy corrosion and section loss should be cleaned and repaired as recommended following the load rating assessment of the structure.
- Intact tack welds located on high-stress members (as determined by load rating) should be ground down to reduce the potential for fatigue cracks.
- Cracks located in the top plate of the lower chord, USL16-USL17, which were arrested by ARDOT HBM crews during the inspection, should be carefully monitored to ensure they do not further propagate.
- The hole(s) located in the top plate of the lower chord, DSL40-DSL41, should be plated to prevent further strength reduction and further loss of section from corrosion.
- The hole(s) located in the bottom plate of the lower chord, DSL14-DSL15, should be plated to prevent further strength reduction and further loss of section from corrosion.
- The connection between Stringer 1 at Panel Point 12 on the west face of Floor Beam 12 should be repaired to prevent crack propagation and additional broken rivets.
- Broken rivets in the connection between Stringer 1 at Panel Point 17 on the west face of Floor Beam 17 should be replaced or bolted.
- The connection between Stringer 2 at Panel Point 28 on the east face of Floor Beam 28 should be repaired to prevent crack propagation and additional broken rivets.
- Other locations of broken or missing rivets and bolts throughout the structure should be repaired and rivets replaced or bolted.
- Install thrie-beam transition rail at east bridge end (Mississippi side).
- Install intermediate tie-off points on top of pier walls (Piers 10-15) for safety to gain access to the column panel openings from the access ladders.
- Perform a thermal performance review of Approach Unit 1 due to the closed joints on either end of the unit.
- West Abutment backwall should be replaced or repaired to relieve additional longitudinal forces on the structure.
- Repairs and replacements, as needed, should be made to the bearing shoes, plates, and anchor bolts at the abutments.

APPENDIX A: FIELD NOTES - DECK

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. of
Made by: ERBB Date: 12/9/21
Checked by: Date:
Description: Bridge No. 02899 - Deck Inspection Notes and Photos

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]General

General

Description	Photo #
Log Mile Sign at **Begin Bridge**	8172
Looking Forward at Begin Bridge	8171
Looking Back at Begin Bridge (toward approach rdwy)	8173
Looking Back at End Bridge	8256-8257
Looking Forward at End Bridge (toward approach rdwy)	-
Right Elevation of Bridge	8099-8101, 8158-63
Left Elevation of Bridge	8102-04,8164-66
Approach Slab at Begin Bridge-Looking Forward	8167-8168
Approach Slab at Begin Bridge-Looking Back	-
Approach Slab at End Bridge-Looking Forward	-
Approach Slab at End Bridge-Looking Back	8260
Guardrail Connection-Begin Bridge Right	8170
Guardrail Connection-Begin Bridge Left	8169
Guardrail Connection-End Bridge Right	8259
Guardrail Connection-End Bridge Left	8258

Expansion Joints

Description	Photo #
Expansion Joint at (W. Abutment)	8192/8193
Expansion Joint at (Pier 4)	8190/8191
Expansion Joint at (Pier 7)	8218/8219
Expansion Joint at (Pier 10)	8325-8326
Expansion Joint at (Span 11 - L3)	8356-8357

Expansion Joints Continued

Description	Photo #
Expansion Joint at (Span 11 - L6)	8370-8371
Expansion Joint at (Span 11 - L8)	8380-8381
Expansion Joint at (Span 12 - L12)	8402-03
Expansion Joint at (Span 12 - L15)	8412-13
Expansion Joint at (Span 12 - L18)	8426-27
Expansion Joint at (Span 12 - L22)	8444-45
Expansion Joint at (Span 12 - L25)	8458-59
Expansion Joint at (Span 12 - L28)	8472-73
Expansion Joint at (Span 13 - L32)	8490-91
Expansion Joint at (Span 13 - L36)	8508-09
Expansion Joint at (Span 13 - L40)	8526-27
Expansion Joint at (Span 13 - L43)	8540-41
Expansion Joint at (Span 13 - L46)	8554-55
Expansion Joint at (Span 14 - L50)	8572-73
Expansion Joint at (Span 14 - L53)	8586-87
Expansion Joint at (Span 14 - L56)	8600-01
Expansion Joint at (Span 14 - L59)	8614-15
Expansion Joint at (Span 14 - L62)	8628-29
Expansion Joint at (Span 15 - L66)	8646-47
Expansion Joint at (Span 15 - L68)	8656-57
Expansion Joint at (Span 15 - L71)	8670-71
Expansion Joint at (Pier 15)	8684-85
Expansion Joint at (Pier 18)	-
Expansion Joint at (E. Abutment)	-

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Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]W Approach Spans

Span No./Panel Point	1	2	3	4	5	6	7
Looking Forward	8174	8178	8182	8186	8194	8202	8211
Right Rail	8176	8179	8183	8187	8195-8197	8203-8206	8212-8213
Left Rail	8175	8180	8184	8188	8198-8200	8207-8209	8214-8216
Looking Back	8177	8181	8185	8189	8201	8210	8217
Under View-Looking Forward	8105-8107	8112-8114	8118	8121-8122	8125-8126	8130-8135	8141
Under View-Looking Back	8108-8111	8115-8117	8119-8120	8123-8124	8127-8129	8138	8142

Span No./Panel Point	8	9	10
Looking Forward	8220	8228	8236
Right Rail	8221-8223	8229-8231	8237-8239
Left Rail	8224-8226	8232-8234	8240-8241
Looking Back	8227	8235	8242
Under View-Looking Forward	8143-8144	8147-8148	8151-8154
Under View-Looking Back	8145-8146	8149-8150	8155-8157

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Span No./Panel Point	11/0	11/1	11/2	11/3	11/4	11/5	11/6
Looking Forward	8322	8348	8352	8358	8362	8366	8372
Right Rail	8323	8349	8353	8359	8363	8367	8373
Left Rail	8324	8350	8354	8360	8364	8368	8374
Looking Back	8347	8351	8355	8361	8365	8369	8375
Under View-Looking Forward	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-

Span No./Panel Point	11/7	11/8	11/9
Looking Forward	8376	8382	8386
Right Rail	8377	8383	8387
Left Rail	8378	8384	8388
Looking Back	8379	8385	8389
Under View-Looking Forward	-	-	-
Under View-Looking Back	-	-	-

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Description: Bridge No. 02899 - Deck Inspection Notes and Photo

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Span 12

Span No./Panel Point	12/1	12/11	12/12	12/13	12/14	12/15	12/16	12/17
Looking Forward	8390	8394	8398	8404	8408	8414	8418	8422
Right Rail	8391	8395	8399	8405	8409	8415	8419	8423
Left Rail	8392	8396	8400	8406	8410	8416	8420	8424
Looking Back	8393	8397	8401	8407	8411	8417	8421	8425
Under View-Looking Forward	-	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-	-

Span No./Panel Point	12/18	12/19	12/20	12/21	12/22	12/23	12/24	12/25
Looking Forward	8428	8432	8436	8440	8446	8450	8454	8460
Right Rail	8429	8433	8437	8441	8447	8451	8455	8461
Left Rail	8430	8444	8438	8442	8448	8452	8456	8462
Looking Back	8431	8445	8439	8443	8449	8453	8457	8463
Under View-Looking Forward	-	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-	-

Span No./Panel Point	12/26	12/27	12/28	12/29
Looking Forward	8464	8468	8474	8478
Right Rail	8465	8469	8475	8479
Left Rail	8466	8470	8476	8480
Looking Back	8467	8471	8477	8481
Under View-Looking Forward	-	-	-	-
Under View-Looking Back	-	-	-	-

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Sheet No. of
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Description: Bridge No. 02899 - Deck Inspection Notes and Photo

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Span 13

Span No./Panel Point	13/30	13/31	13/32	13/33	13/34	13/35	13/36	13/37
Looking Forward	8482	8486	8492	8496	8500	8504	8510	8514
Right Rail	8483	8487	8493	8497	8501	8505	8511	8515
Left Rail	8484	8488	8494	8498	8502	8506	8512	8516
Looking Back	8485	8489	8495	8499	8503	8507	8513	8517
Under View-Looking Forward	-	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-	-

Span No./Panel Point	13/38	13/39	13/40	13/41	13/42	13/43	13/44	13/45
Looking Forward	8518	8522	8528	8532	8536	8542	8546	8550
Right Rail	8519	8523	8529	8533	8537	8543	8547	8551
Left Rail	8520	8524	8530	8534	8538	8544	8548	8552
Looking Back	8521	8525	8531	8535	8539	8545	8549	8553
Under View-Looking Forward	-	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-	-

Span No./Panel Point	13/46	13/47
Looking Forward	8556	8560
Right Rail	8557	8561
Left Rail	8558	8562
Looking Back	8559	8563
Under View-Looking Forward	-	-
Under View-Looking Back	-	-

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. of
Made by: ERBB Date: 12/9/21
Checked by: Date:
Description: Bridge No. 02899 - Deck Inspection Notes and Photos

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Span 14

Span No./Panel Point	14/48	14/49	14/50	14/51	14/52	14/53	14/54
Looking Forward	8564	8568	8574	8578	8582	8588	8592
Right Rail	8565	8569	8575	8579	8583	8589	8593
Left Rail	8566	8570	8576	8580	8584	8590	8594
Looking Back	8567	8571	8577	8581	8585	8591	8595
Under View-Looking Forward	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-

Span No./Panel Point	14/55	14/56	14/57	14/58	14/59	14/60	14/61
Looking Forward	8596	8602	8606	8610	8616	8620	8624
Right Rail	8597	8603	8607	8611	8617	8621	8625
Left Rail	8598	8604	8608	8612	8618	8622	8626
Looking Back	8599	8605	8609	8613	8619	8623	8627
Under View-Looking Forward	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-

Span No./Panel Point	14/62	14/63
Looking Forward	8630	8634
Right Rail	8631	8635
Left Rail	8632	8636
Looking Back	8633	8637
Under View-Looking Forward	-	-
Under View-Looking Back	-	-

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Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Span 15

Span No./Panel Point	15/64	15/65	15/66	15/67	15/68	15/69	15/70
Looking Forward	8638	8642	8648	8652	8658	8662	8666
Right Rail	8639	8643	8649	8653	8659	8663	8667
Left Rail	8640	8644	8650	8654	8660	8664	8668
Looking Back	8641	8645	8651	8655	8661	8665	8669
Under View-Looking Forward	-	-	-	-	-	-	-
Under View-Looking Back	-	-	-	-	-	-	-

Span No./Panel Point	15/71	15/72	15/73
Looking Forward	8672	8676	8680
Right Rail	8673	8677	8681
Left Rail	8674	8678	8682
Looking Back	8675	8679	8683
Under View-Looking Forward	-	-	-
Under View-Looking Back	-	-	-

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Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]E Approach Spans

Span No./Panel Point	16	17	18	19	20	21
Looking Forward	-	-	-	-	-	-
Right Rail	-	-	-	-	-	-
Left Rail	-	-	-	-	-	-
Looking Back	-	-	-	-	-	-
Under View-Looking Forward	8289-8290	8280-8282	8276-8277	8270-8271	8263-8264	8253-8255
Under View-Looking Back	8284-8288	8278-8279	8272-8275	8268-8269	8261-8262	8251-8252

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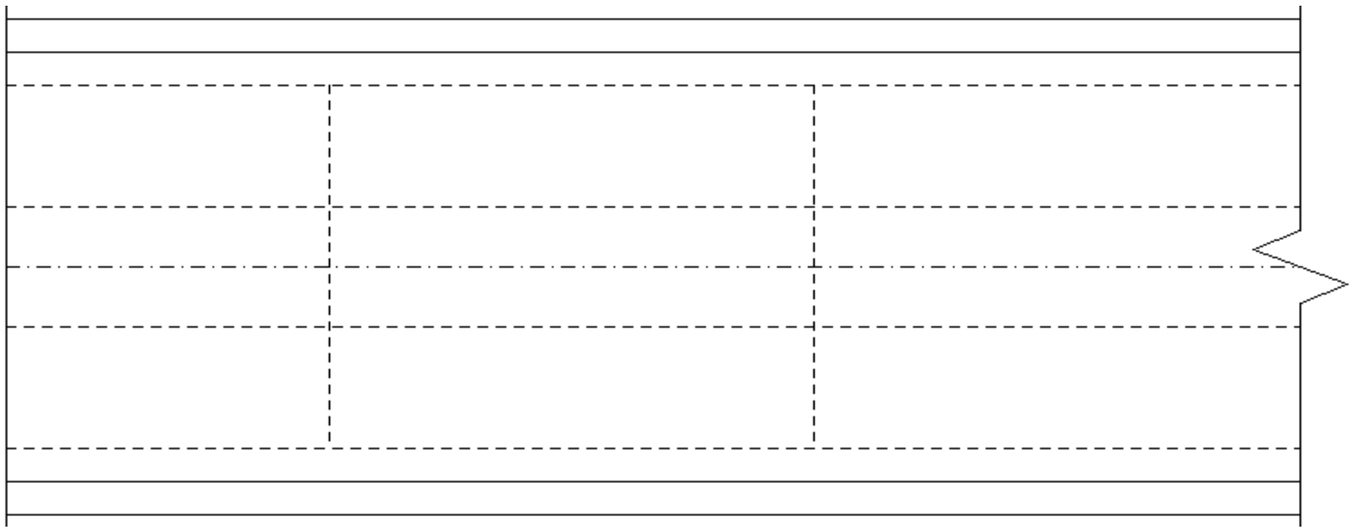
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Plan View- W Approach Spans



Pier No. _West Abutment_ Span No. _1-10 (West Approach Spans)_ Pier No. _10_

Spall Areas

Code	Length (FT.)	Width (FT.)	Area (S.F.)	Exposed Reinf? (Y/N)	% Section Loss
Total			0		

Cracks

Code	Length (FT.)	Width (IN.)
Total	0	

Key Features:

Out-to-Out Width: _____
Clear Rdwy. Width: _____
Sidewalk Width (L/R): _____
Asphalt Depth: _____

*** Show top of deck defects in **BLACK**.
Show bottom of deck defects in **RED**.

Notes:

Transverse cracking with 2'-4' spacing. Typical throughout (photos 8245-8248)

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Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Misc.

Photo #	Description
8325-8326	Expansion joint at Pier 10 (beginning of truss). Photos looking left. Approach spans > 1" higher

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Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Deck Repair Summary

	Span 11	Span 12	Span 13	Span 14	Span 15	Total	
Width of Hydrodemolition*	26	26	26	26	26	26	ft
Span Length	420	840	756	672	420	3108	ft
Deck Area	10920	21840	19656	17472	10920	80808	ft^2
Deck Repair Area	1272	2064	2429	3153	1374	10292	ft^2
% of Bridge Deck Repair	11.6%	9.5%	12.4%	18.0%	12.6%	12.7%	

**Assuming the width of hydrodemolition is between the steel channels that are placed in the deck overhangs*

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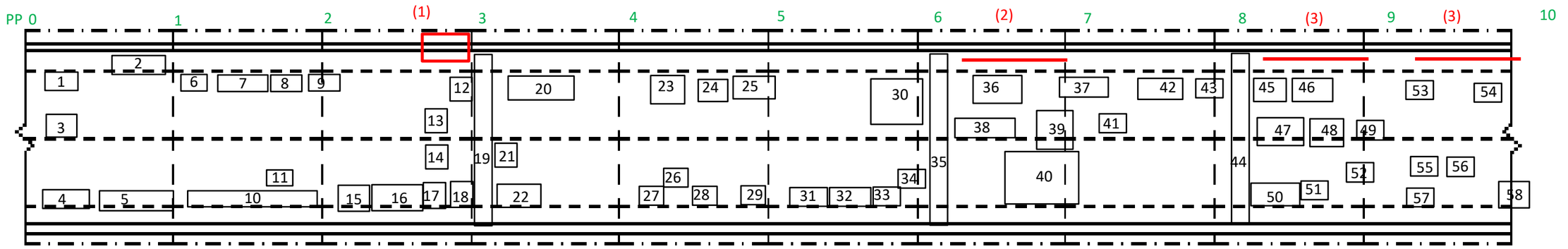

Pier No. _10_ Span No. _11_ Pier No. _11_

#	Length (ft)	Width (ft)	Area (ft^2)
1	3	2	6
2	2	8	16
3	3	3	9
4	6	2	12
5	20	2	40
6	3	1	3
7	12	1	12
8	5	1	5
9	5	1	5
10	30	2	60
11	2	2	4
12	2	2	4
13	2	2	4
14	3	3	9
15	5	2	10
16	25	2	50
17	4	2	8
18	4	2	8
19	2	26	52
20	20	2	40

#	Length (ft)	Width (ft)	Area (ft^2)
21	3	3	9
22	8	2	16
23	4	4	16
24	4	2	8
25	5	2	10
26	2	2	4
27	3	2	6
28	3	2	6
29	2	1	2
30	10	10	100
31	5	2	10
32	7	2	14
33	3	2	6
34	4	4	16
35	2	26	52
36	10	4	40
37	10	2	20
38	15	4	60
39	6	8	48
40	20	12	240

#	Length (ft)	Width (ft)	Area (ft^2)
41	2	2	4
42	10	2	20
43	3	2	6
44	2	26	52
45	4	2	8
46	5	2	10
47	12	4	48
48	4	4	16
49	2	2	4
50	12	2	24
51	2	2	4
52	2	2	4
53	3	2	6
54	2	2	4
55	2	2	4
56	1	1	1
57	1	1	1
58	4	4	16

Width btwn channels	26	ft
Span Length	420	ft
Total Deck Area	10920	ft^2
Total Patch Area	1272	ft^2
% Deck Repair	11.65%	

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) - Railing recently repaired (week of 11-29-2021). Photos 8327-8328

(2) - Side channel separation. Photos 8329-8330

(3) - Side channel separation. About 3/4 length of panel for each separation.

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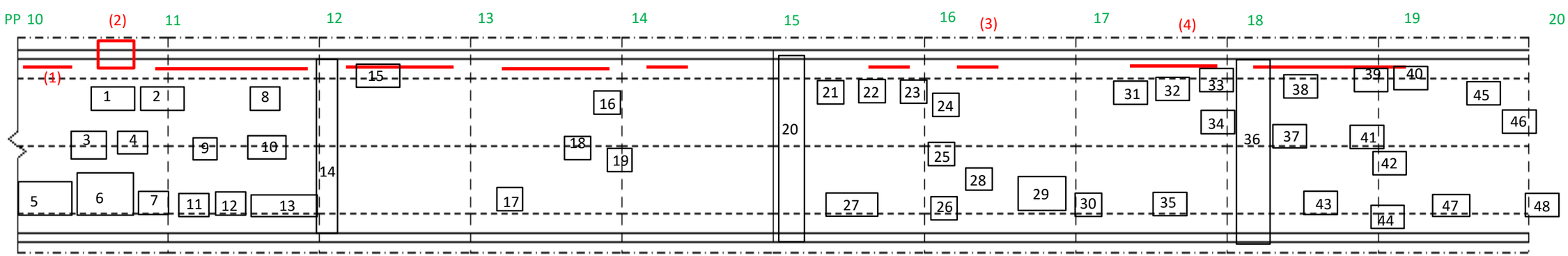

Pier No. _11_ Span No. _12_

#	Length (ft)	Width (ft)	Area (ft^2)
1	4	2	8
2	4	2	8
3	3	3	9
4	2	2	4
5	6	5	30
6	12	6	72
7	2	2	4
8	2	2	4
9	1	1	1
10	3	2	6
11	2	2	4
12	2	2	4
13	12	1	12
14	2	26	52
15	1	4	4
16	2	2	4
17	3	2	6
18	3	3	9
19	3	2	6
20	2	26	52

#	Length (ft)	Width (ft)	Area (ft^2)
21	2	2	4
22	2	2	4
23	2	2	4
24	3	2	6
25	2	2	4
26	6	6	36
27	8	15	120
28	3	4	12
29	8	10	80
30	3	3	9
31	3	3	9
32	3	2	6
33	2	8	16
34	1	1	1
35	3	3	9
36	2	26	52
37	1	1	1
38	5	3	15
39	1	4	4
40	3	2	6

#	Length (ft)	Width (ft)	Area (ft^2)
41	1	3	3
42	3	2	6
43	7	4	28
44	5	4	20
45	2	5	10
46	2	4	8
47	8	6	48
48	10	4	40

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) Channel separation. Photos 8334-8335.

(2) Plate @ rail slot drain popped out. Rail is 8.5' jt to jt. Photos (8331-8333).

(3) Approximately 10' of channel separation.

(4) Channel separation of length equal to approx 1/2 of length between panel points (~21')

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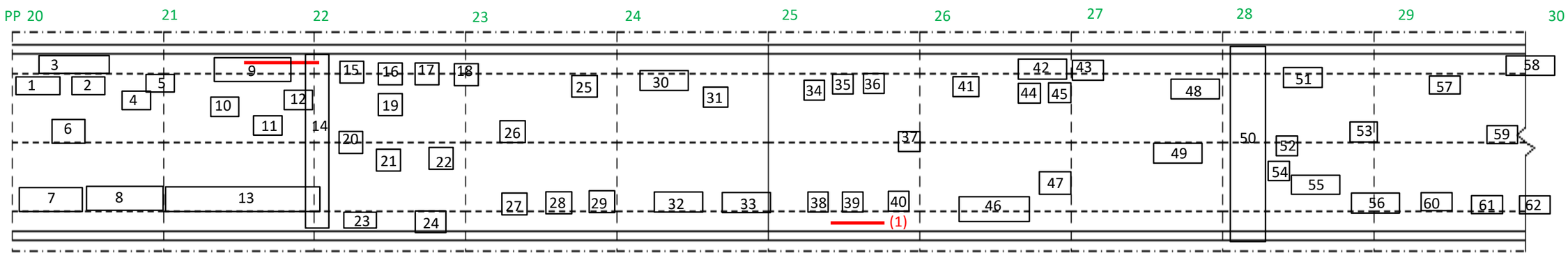

Span No. _12_ Pier No. _12_

#	Length (ft)	Width (ft)	Area (ft^2)
1	5	2	10
2	2	2	4
3	15	2	30
4	3	3	9
5	3	3	9
6	8	3	24
7	10	3	30
8	15	5	75
9	15	2	30
10	3	3	9
11	1	1	1
12	2	2	4
13	42	3	126
14	26	2	52
15	2	2	4
16	3	1	3
17	4	2	8
18	10	3	30
19	1	1	1
20	5	5	25

#	Length (ft)	Width (ft)	Area (ft^2)
21	3	3	9
22	2	2	4
23	3	1	3
24	3	1	3
25	3	3	9
26	1	1	1
27	2	2	4
28	2	2	4
29	2	2	4
30	12	2	24
31	1	1	1
32	8	2	16
33	8	2	16
34	2	2	4
35	2	2	4
36	2	2	4
37	5	2	10
38	4	5	20
39	3	3	9
40	6	2	12

#	Length (ft)	Width (ft)	Area (ft^2)
41	8	3	24
42	15	3	45
43	10	3	30
44	3	3	9
45	3	3	9
46	3	42	126
47	10	7	70
48	3	3	9
49	3	3	9
50	26	2	52
51	6	4	24
52	2	2	4
53	2	2	4
54	2	3	6
55	3	3	9
56	10	2	20
57	1	1	1
58	10	2	20
59	4	4	16
60	2	4	8
61	8	2	16
62	12	4	48

Width btwn channels	26	ft
Span Length	840	ft
Total Deck Area	21840	ft^2
Total Patch Area	2064	ft^2
% Deck Repair	9.45%	

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) Channel separation. Photo 8336

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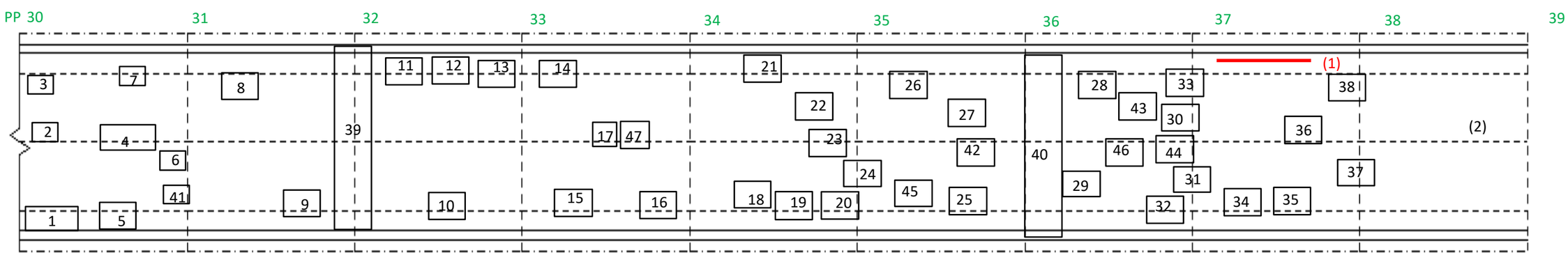

Pier No. _12_ Span No. _13_

#	Length (ft)	Width (ft)	Area (ft^2)
1	8	4	32
2	2	2	4
3	2	2	4
4	6	4	24
5	4	4	16
6	2	2	4
7	4	4	16
8	8	1	8
9	15	4	60
10	20	4	80
11	15	2	30
12	4	2	8
13	6	4	24
14	6	4	24
15	12	3	36
16	28	4	112
17	2	2	4
18	7	4	28
19	20	2	40
20	15	2	30

#	Length (ft)	Width (ft)	Area (ft^2)
21	15	3	45
22	6	6	36
23	4	4	16
24	4	4	16
25	10	4	40
26	8	2	16
27	2	2	4
28	3	3	9
29	6	3	18
30	2	2	4
31	1	1	1
32	12	3	36
33	7	3	21
34	4	3	12
35	3	3	9
36	2	2	4
37	9	4	36
38	7	3	21
39	26	2	52
40	26	2	52

#	Length (ft)	Width (ft)	Area (ft^2)
41	2	2	4
42	2	2	4
43	3	3	9
44	2	2	4
45	4	4	16
46	6	3	18
47	2	2	4

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) Channel separation of length equal to approximately 1/2 distance between panel points (~21').

(2) Deck replaced for full panel length. Photo 8337 - Looking forward.

Photo 8338 - Transverse cracking with spacing ~ 4'

Photo 8839 - Right elevation showing new cross beams.

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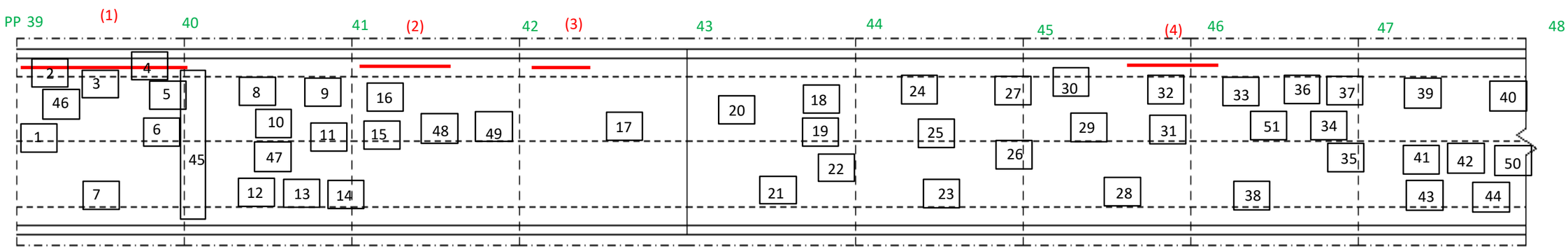

Span No. _13_ Pier No. _13_

#	Length (ft)	Width (ft)	Area (ft^2)
1	3	2	6
2	1	1	1
3	7	3	21
4	4	2	8
5	4	1	4
6	2	2	4
7	6	6	36
8	10	2	20
9	8	3	24
10	2	2	4
11	1	1	1
12	3	7	21
13	10	2	20
14	4	2	8
15	2	2	4
16	1	1	1
17	1	1	1
18	10	3	30
19	5	3	15
20	2	2	4

#	Length (ft)	Width (ft)	Area (ft^2)
21	22	4	88
22	3	5	15
23	42	4	168
24	15	2	30
25	10	2	20
26	4	5	20
27	10	2	20
28	42	4	168
29	7	2	14
30	10	2	20
31	5	2	10
32	15	6	90
33	25	3	75
34	3	3	9
35	1	1	1
36	7	2	14
37	3	3	9
38	25	4	100
39	10	3	30
40	20	3	60

#	Length (ft)	Width (ft)	Area (ft^2)
41	4	2	8
42	2	2	4
43	4	2	8
44	20	3	60
45	26	2	52
46	1	1	1
47	2	2	4
48	1	1	1
49	1	1	1
50	2	2	4
51	1	1	1

Width btwn channels	26	ft
Span Length	756	ft
Total Deck Area	19656	ft^2
Total Patch Area	2429	ft^2
% Deck Repair	12.36%	

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) Channel separation for full length of panel (~42').
(2) Channel separation for about 1/2 panel length (~21').
(3) Channel separation about 10' long.
(4) Channel separation for about 1/2 panel length (~21').

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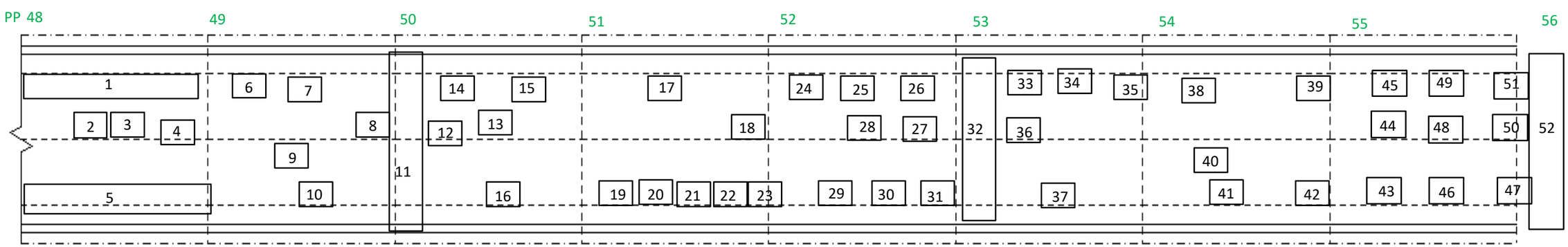

Pier No. _13_ Span No. _14_

#	Length (ft)	Width (ft)	Area (ft^2)
1	30	3	90
2	12	2	24
3	6	6	36
4	4	3	12
5	42	3	126
6	2	3	6
7	15	3	45
8	3	3	9
9	5	12	60
10	15	3	45
11	2	26	52
12	2	2	4
13	1	1	1
14	10	2	20
15	3	3	9
16	42	4	168
17	42	3	126
18	7	3	21
19	4	3	12
20	2	2	4

#	Length (ft)	Width (ft)	Area (ft^2)
21	4	2	8
22	3	2	6
23	12	4	48
24	3	3	9
25	4	4	16
26	8	1	8
27	10	10	100
28	11	3	33
29	4	4	16
30	3	3	9
31	20	3	60
32	26	2	52
33	10	3	30
34	12	3	36
35	3	3	9
36	2	2	4
37	20	3	60
38	15	3	45
39	10	3	30
40	2	2	4

#	Length (ft)	Width (ft)	Area (ft^2)
41	10	4	40
42	7	2	14
43	4	12	48
44	3	1	3
45	6	1	6
46	7	3	21
47	12	3	36
48	2	2	4
49	4	4	16
50	4	3	12
51	6	1	6
52	26	2	52

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

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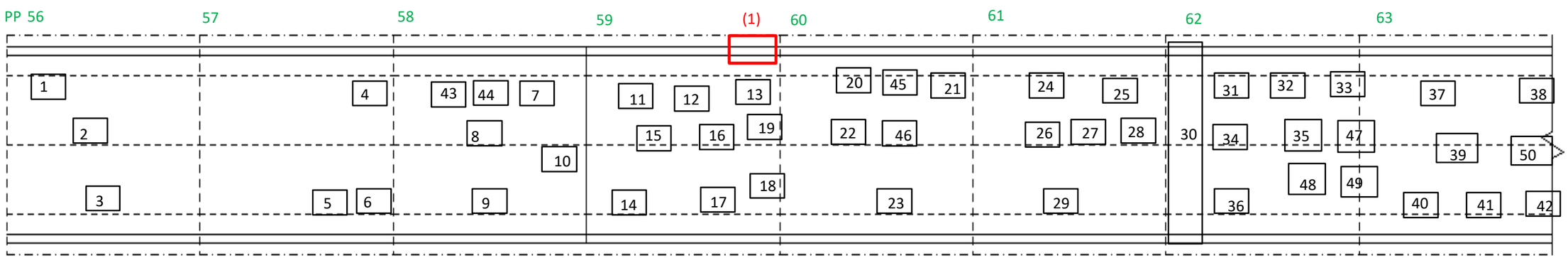

Span No. _14_ Pier No. _14_

#	Length (ft)	Width (ft)	Area (ft^2)
1	5	5	25
2	2	2	4
3	42	4	168
4	5	3	15
5	13	4	52
6	5	1	5
7	3	3	9
8	2	2	4
9	25	3	75
10	4	4	16
11	2	2	4
12	5	2	10
13	4	4	16
14	10	7	70
15	2	2	4
16	4	3	12
17	6	4	24
18	10	10	100
19	10	5	50
20	4	2	8

#	Length (ft)	Width (ft)	Area (ft^2)
21	10	3	30
22	3	3	9
23	42	3	126
24	15	4	60
25	8	3	24
26	2	2	4
27	3	3	9
28	6	6	36
29	42	3	126
30	26	2	52
31	15	3	45
32	5	4	20
33	5	3	15
34	4	6	24
35	2	2	4
36	12	2	24
37	8	4	32
38	12	3	36
39	2	2	4
40	3	1	3

#	Length (ft)	Width (ft)	Area (ft^2)
41	4	3	12
42	5	5	25
43	3	3	9
44	3	3	9
45	4	2	8
46	3	3	9
47	2	2	4
48	2	2	4
49	2	2	4
50	2	2	4

Width btwn channels	26	ft
Span Length	672	ft
Total Deck Area	17472	ft^2
Total Patch Area	3153	ft^2
% Deck Repair	18.05%	

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) Railing concrete patch. Photos 8340-8342

Michael Baker
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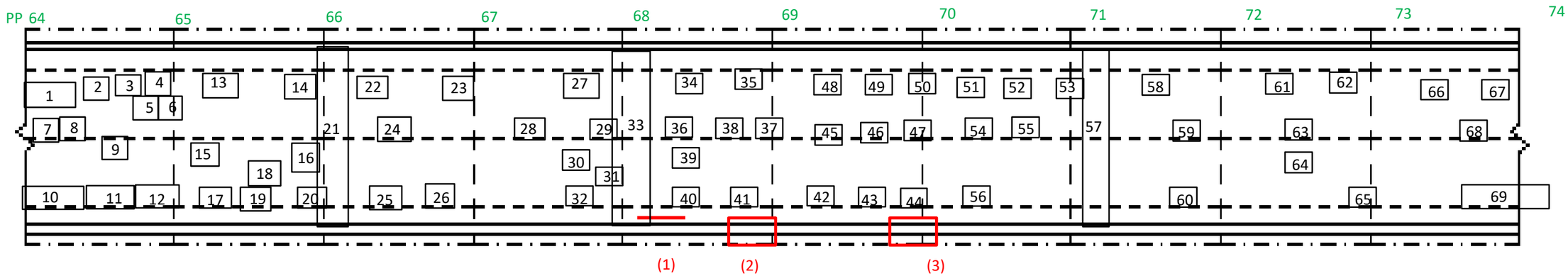
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ERBB Date: 12/9/21
Checked by: _____ Date: _____
Description: Bridge No. 02899 - Deck Inspection Notes and Pl

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Plan View- S15



Pier No. 14 Span No. 15 Pier No. 15

#	Length (ft)	Width (ft)	Area (ft^2)
1	7	3	21
2	3	3	9
3	2	2	4
4	2	2	4
5	2	2	4
6	2	2	4
7	2	2	4
8	2	2	4
9	1	1	1
10	10	2	20
11	8	1	8
12	8	3	24
13	20	3	60
14	12	5	60
15	2	2	4
16	2	2	4
17	4	4	16
18	3	3	9
19	3	3	9
20	6	3	18

#	Length (ft)	Width (ft)	Area (ft^2)
21	26	2	52
22	15	3	45
23	3	3	9
24	2	2	4
25	6	4	24
26	12	4	48
27	20	5	100
28	3	4	12
29	2	2	4
30	2	2	4
31	2	2	4
32	10	4	40
33	26	2	52
34	4	4	16
35	4	4	16
36	2	2	4
37	2	2	4
38	3	3	9
39	15	3	45
40	10	2	20

#	Length (ft)	Width (ft)	Area (ft^2)
41	10	2	20
42	10	2	20
43	3	5	15
44	10	2	20
45	5	4	20
46	3	4	12
47	2	2	4
48	4	4	16
49	3	3	9
50	8	3	24
51	10	3	30
52	3	3	9
53	4	2	8
54	2	2	4
55	3	2	6
56	12	3	36
57	26	2	52
58	2	2	4
59	1	1	1
60	6	4	24

#	Length (ft)	Width (ft)	Area (ft^2)
61	4	3	12
62	8	3	24
63	2	2	4
64	2	2	4
65	20	2	40
66	4	2	8
67	15	3	45
68	2	2	4
69	25	4	100

Width btwn channels	26	ft
Span Length	420	ft
Total Deck Area	10920	ft^2
Total Patch Area	1374	ft^2
% Deck Repair	12.58%	

Show deck defects in **BLACK**.
Show channel/railing defects in **RED**.

Notes:

(1) Channel separation ~10' long.
(2) Railing Spall. Photos 8343-8344
(3) Railing Spall. Photos 8345-8346

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Sheet No. _____ of _____
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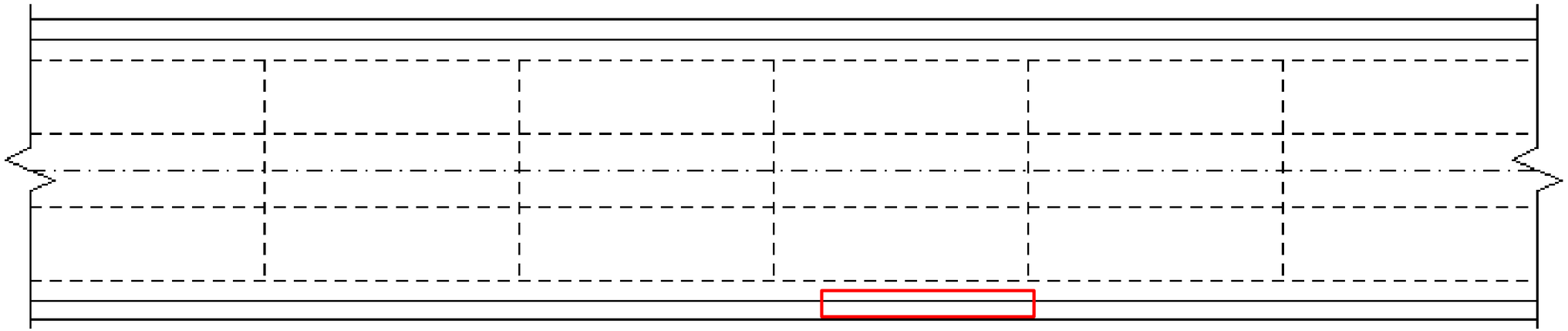
Checked by: _____ Date: _____
Description: Bridge No. 02899 - Deck Inspection Notes and Pl

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\[ARDOT 110812_Deck Inspection Notes and Photo Log.xlsx]Plan View- S16



Pier No. _15_ Span No. _16_ Pier No. _16_

Spall Areas

Code	Length (FT.)	Width (FT.)	Area (S.F.)	Exposed Reinf? (Y/N)	% Section Loss
Total			0		

Cracks

Code	Length (FT.)	Width (IN.)
Total	0	

Key Features:

Out-to-Out Width: _____
Clear Rdwy. Width: _____
Sidewalk Width (L/R): _____
Asphalt Depth: _____

*** Show top of deck defects in **BLACK**.
Show bottom of deck defects in **RED**.

Notes:

(1) Photo 8291 - Minor deck spalls at edge of top flange.

No noteworthy deficiencies at underside of other approach spans

APPENDIX B: FIELD NOTES - UPPER TRUSS

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

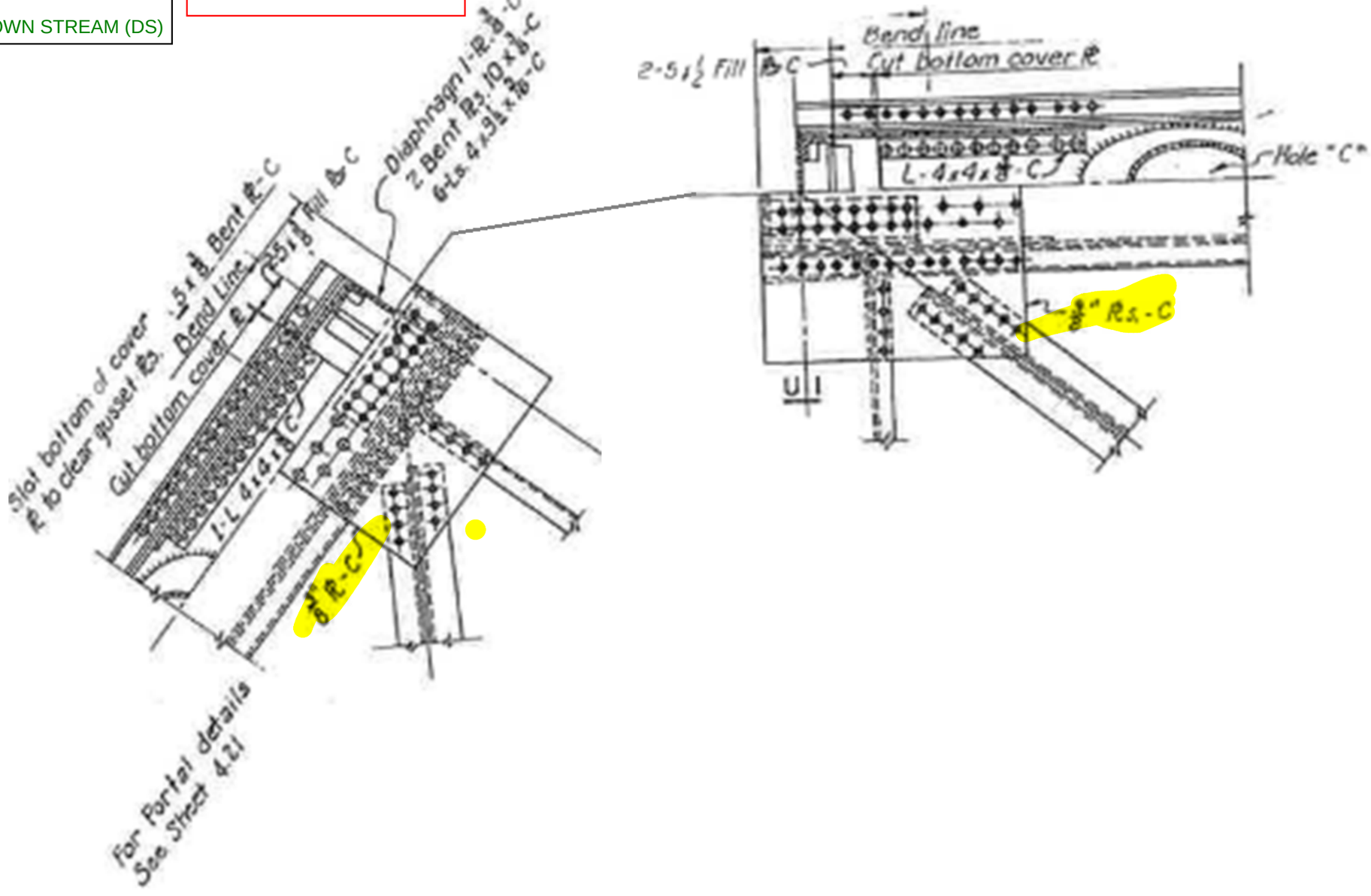
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U1

Span No. _1_ Truss location _U 1_

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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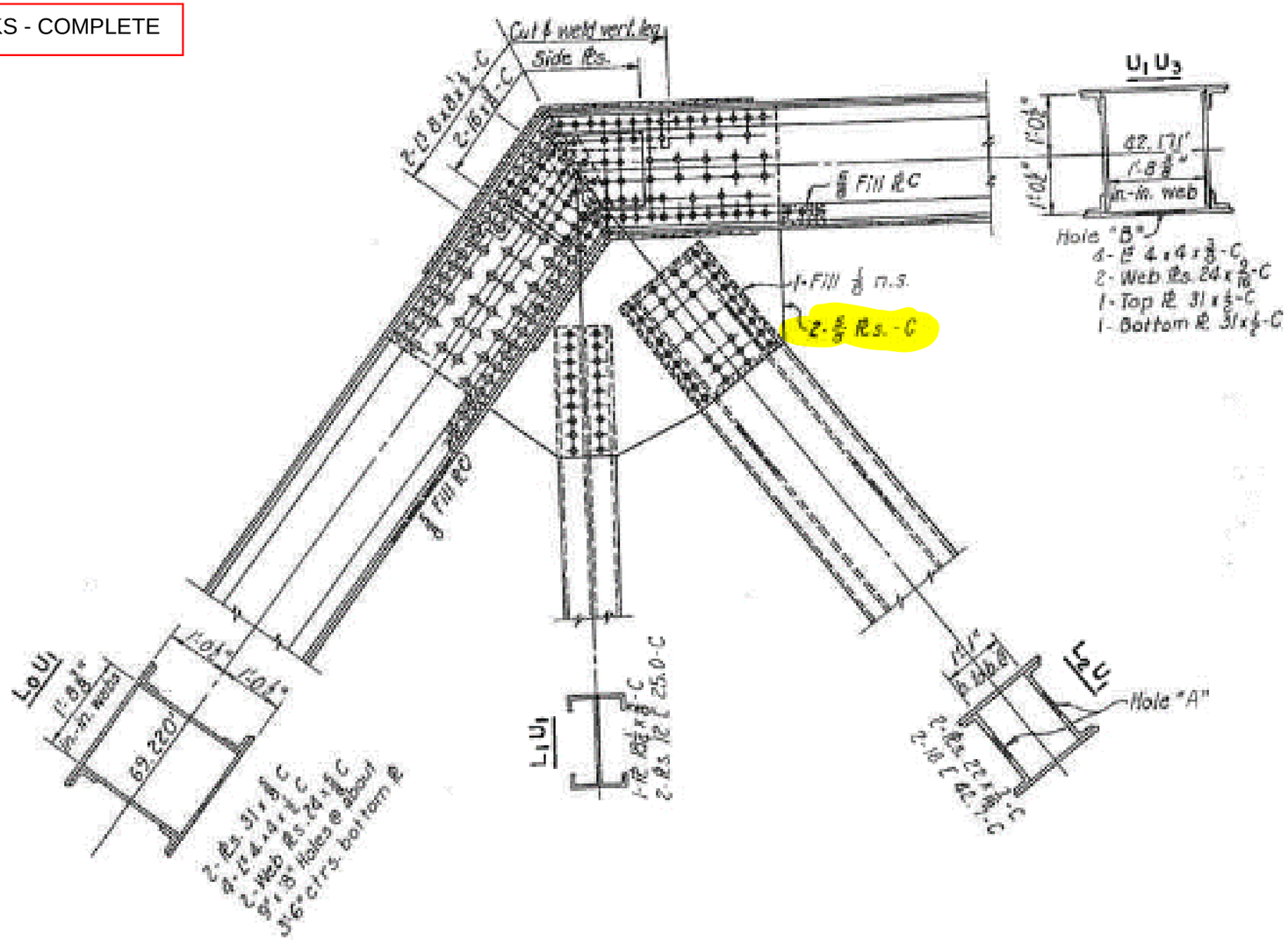
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 1_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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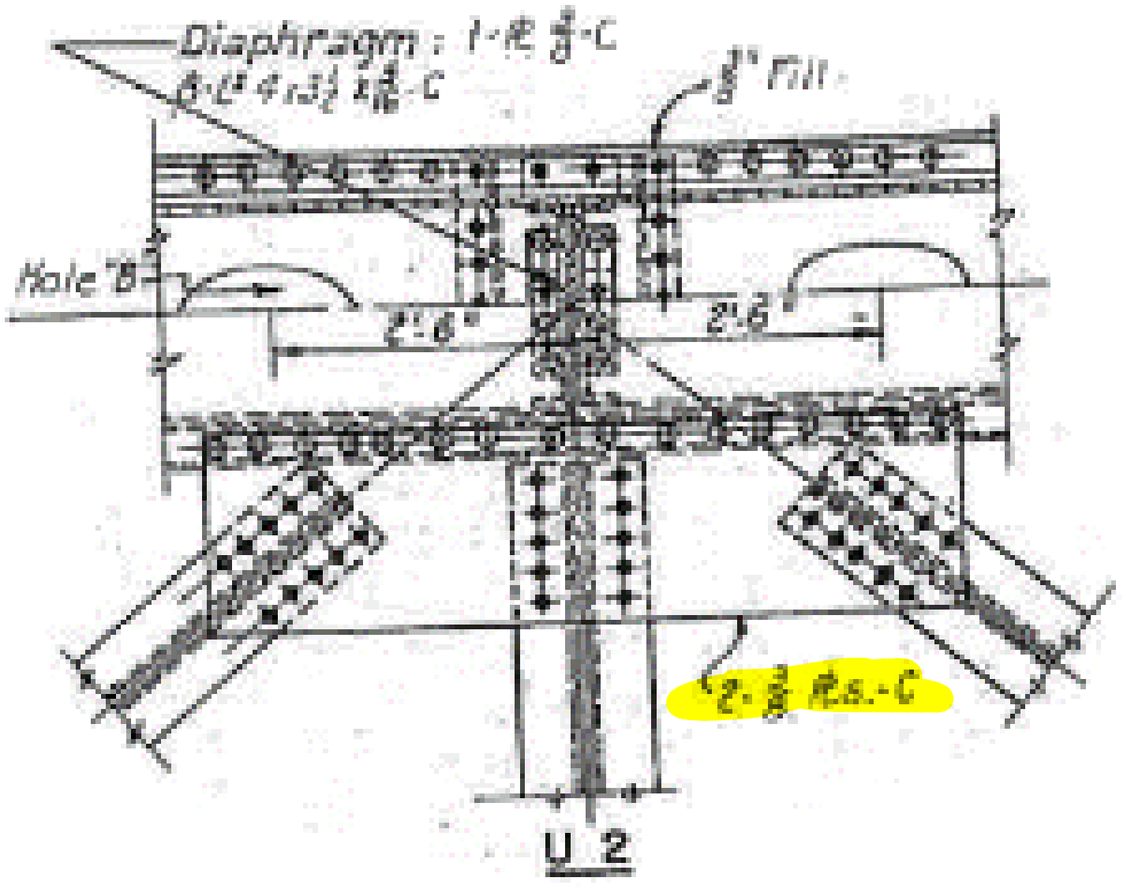
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 2_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U2

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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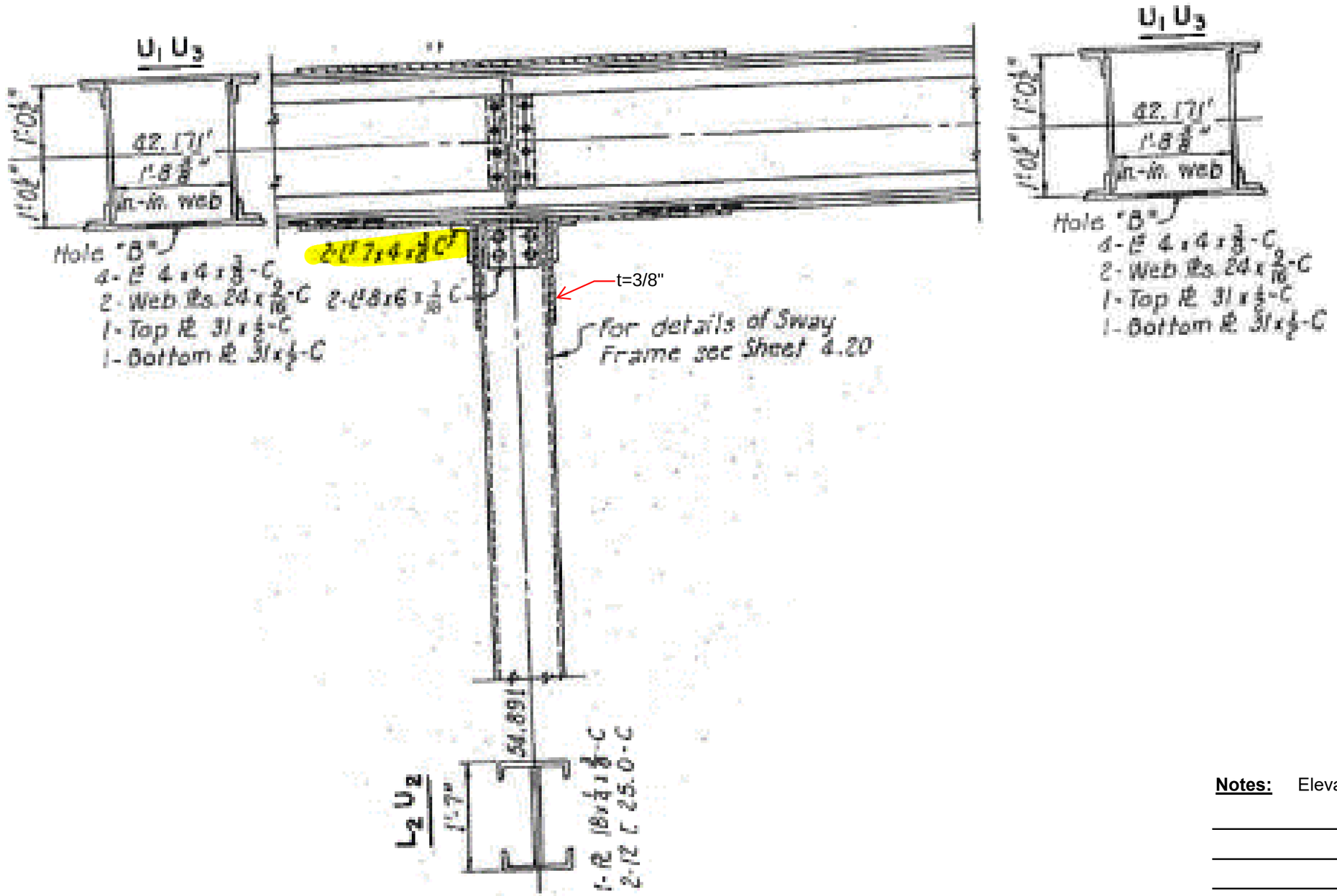
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 2_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U2

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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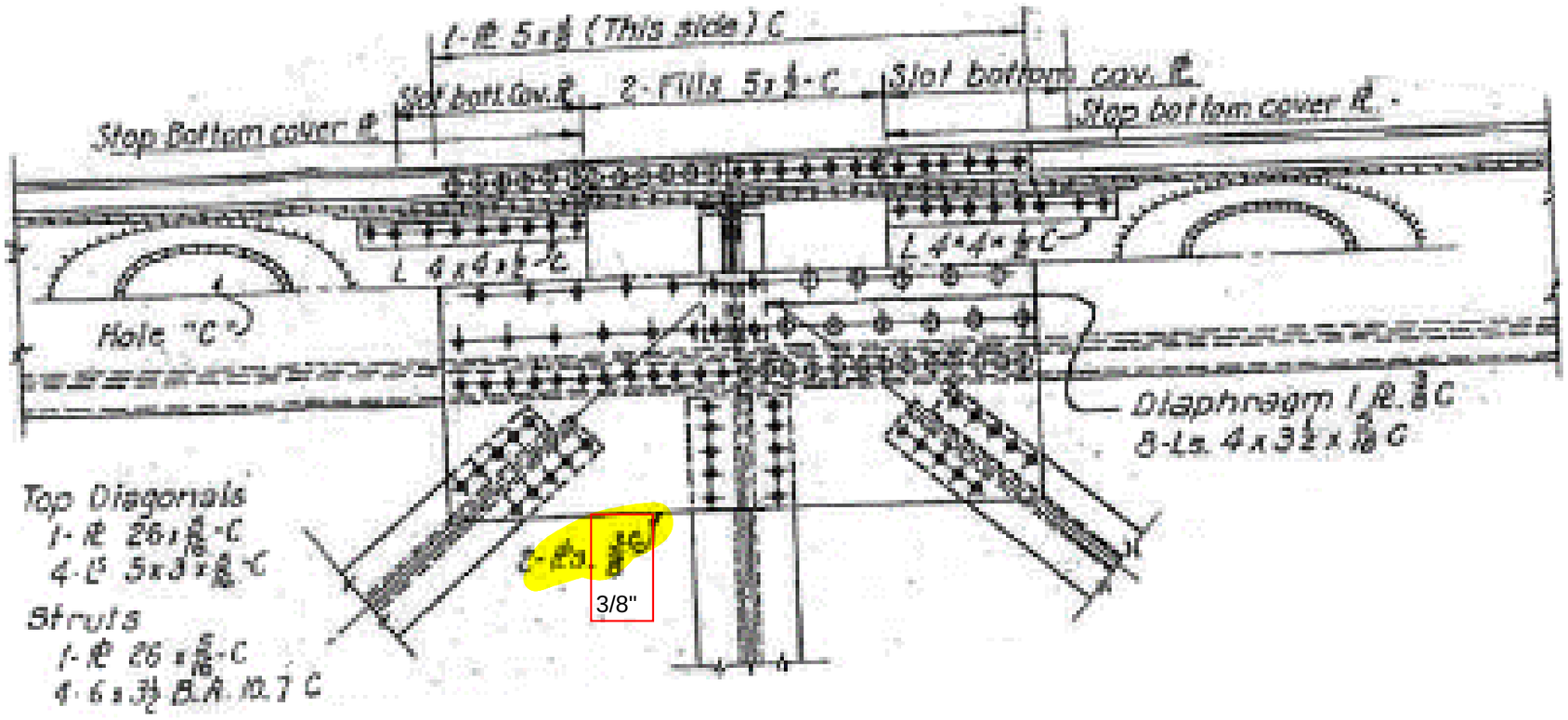
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 3_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U3

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation

Sheet No. _____ of _____

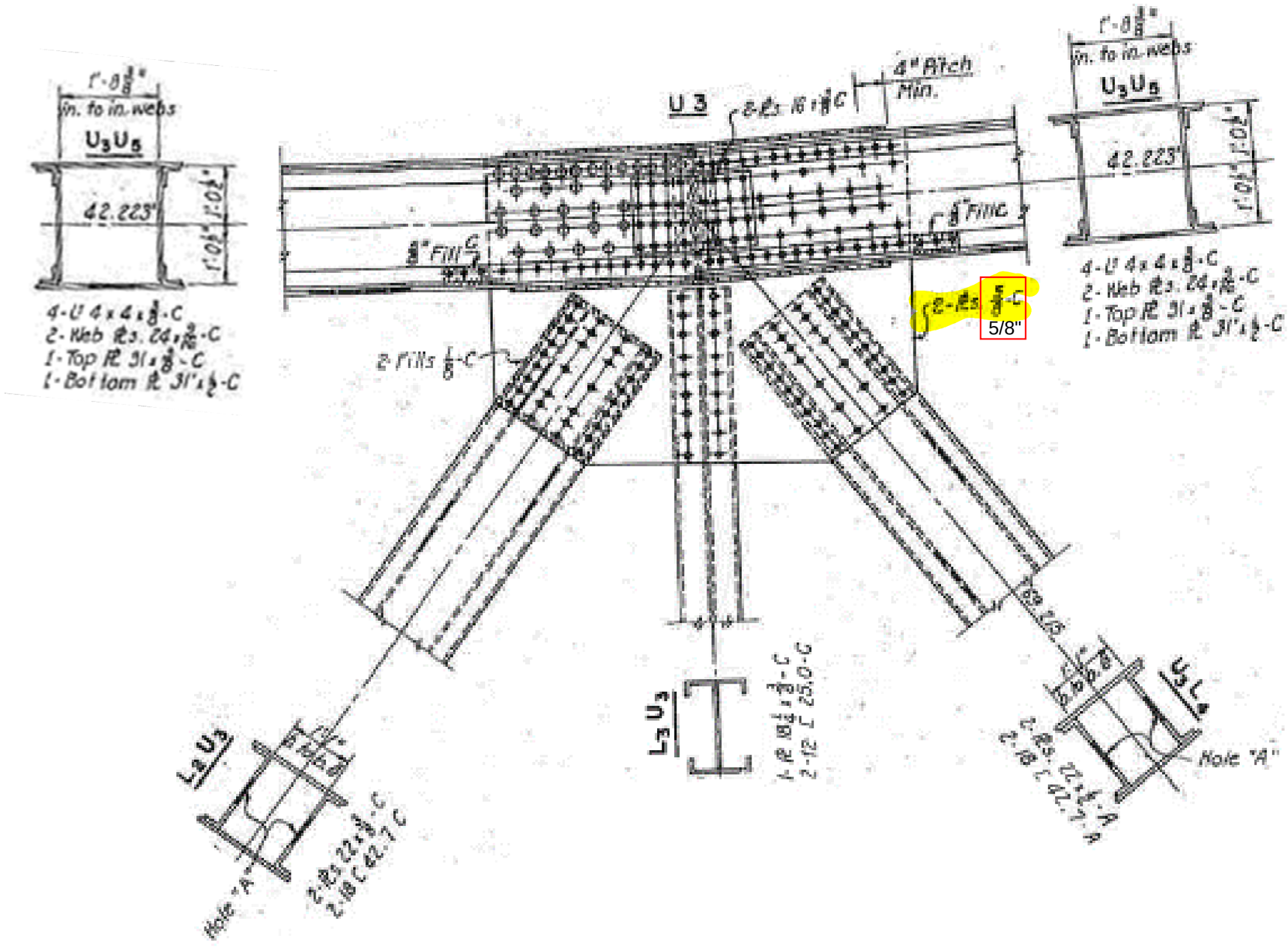
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22

Checked by: _____ Date: _____

Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U3

Span No. _1_ Truss location _U 3_



UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Notes: Elevation View

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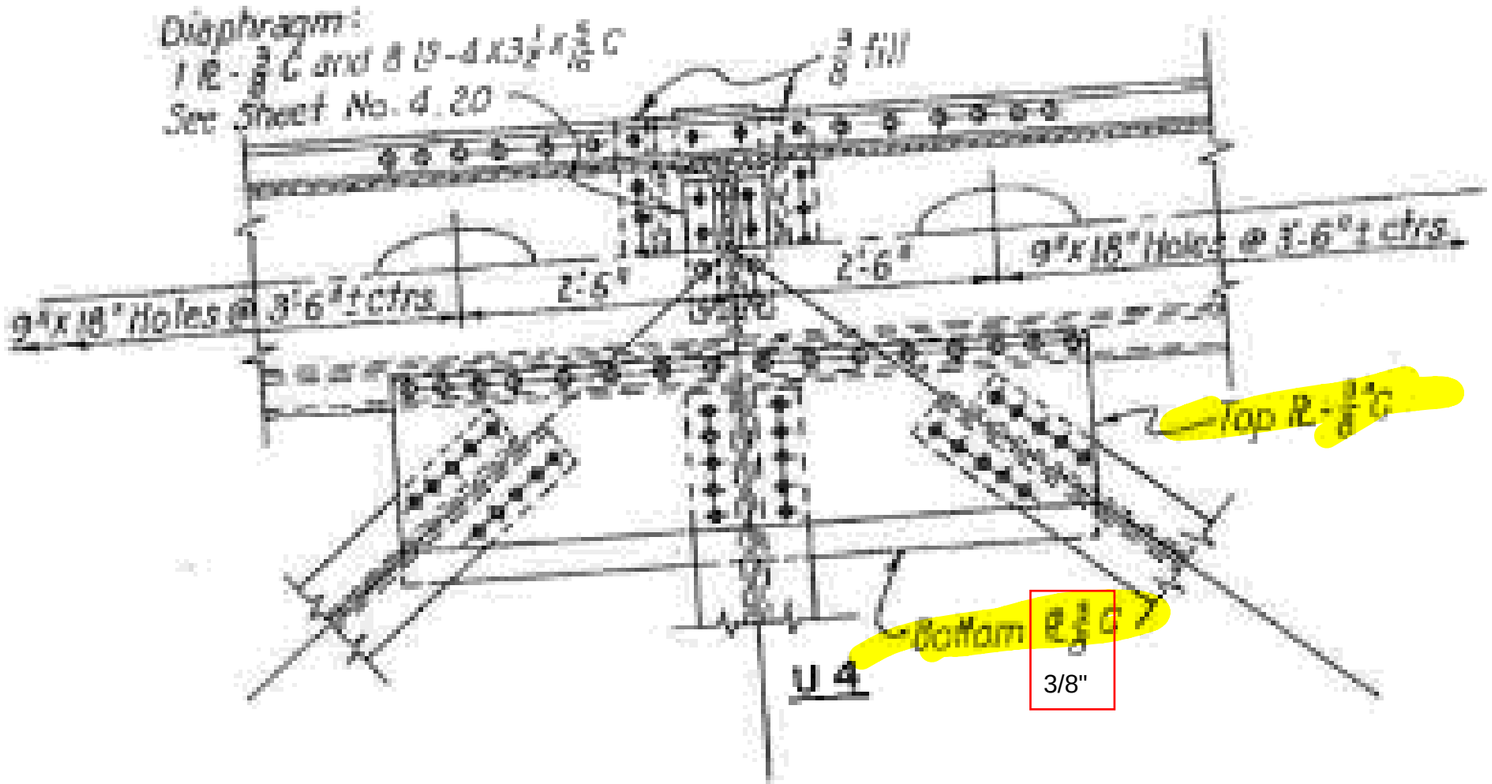
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 4_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U4

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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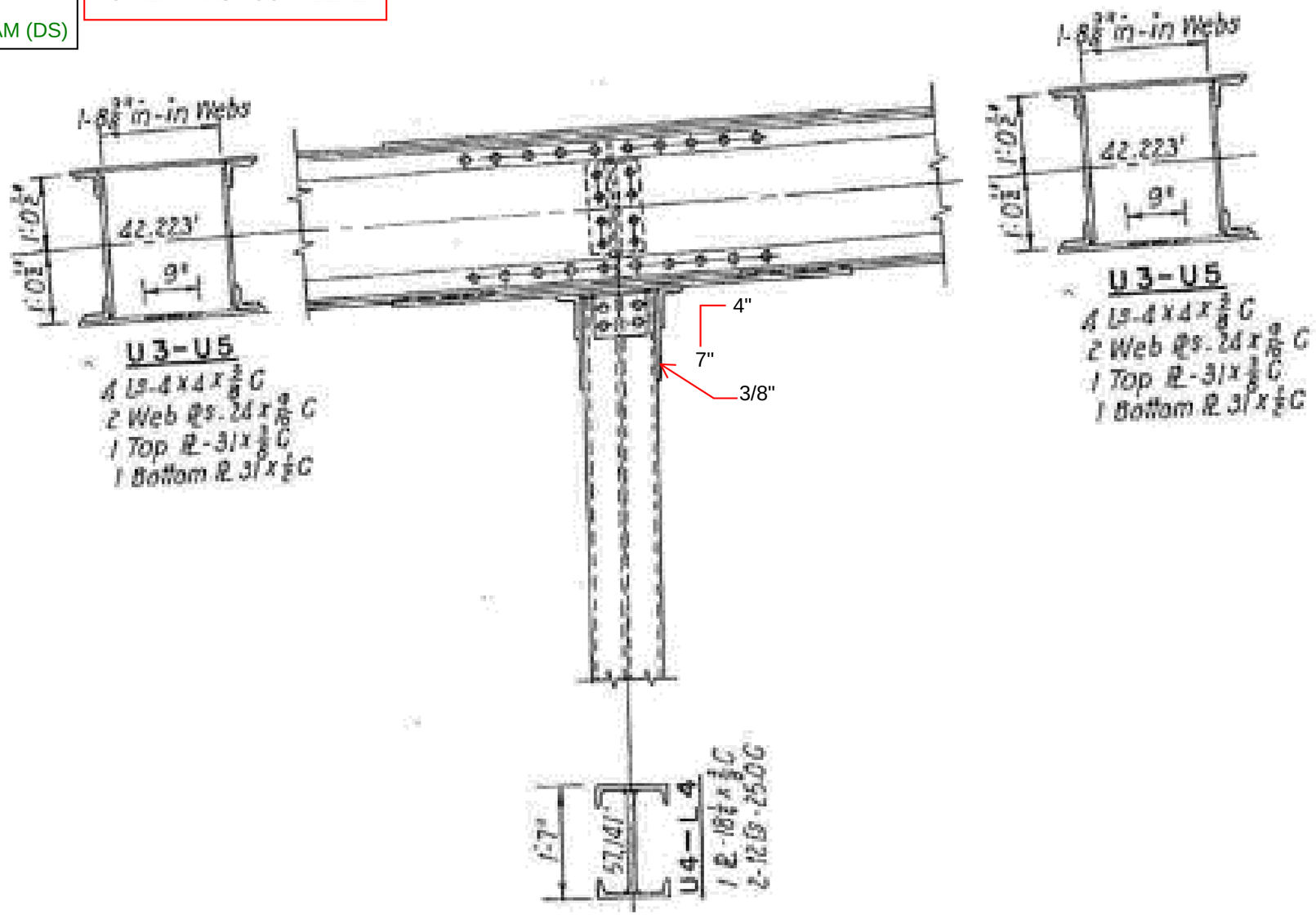
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 4_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U4

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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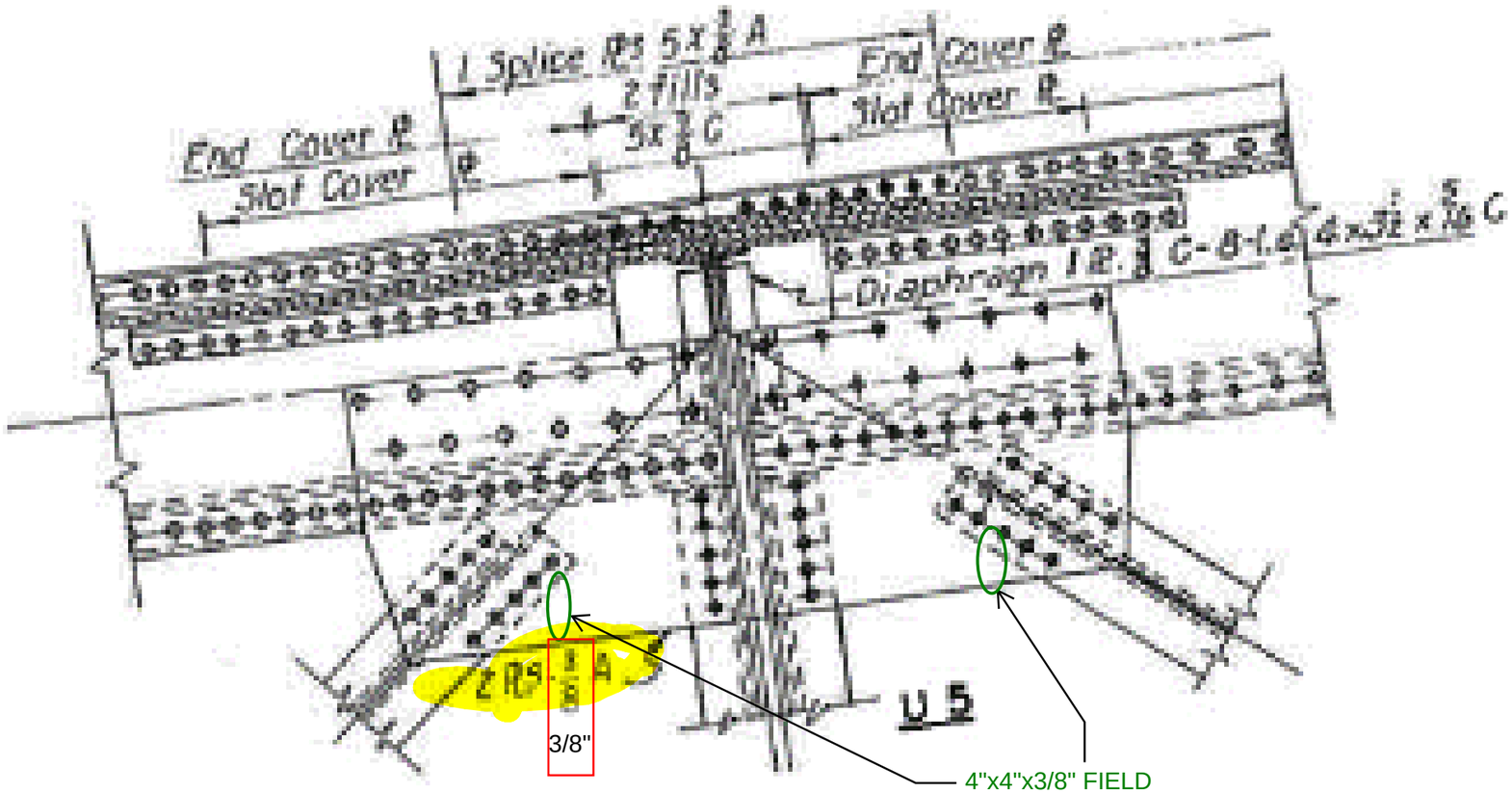
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U5

Span No. _1_ Truss location _U 5_

UP STREAM (US)

DOWN STREAM (DS)



Notes: Plan View

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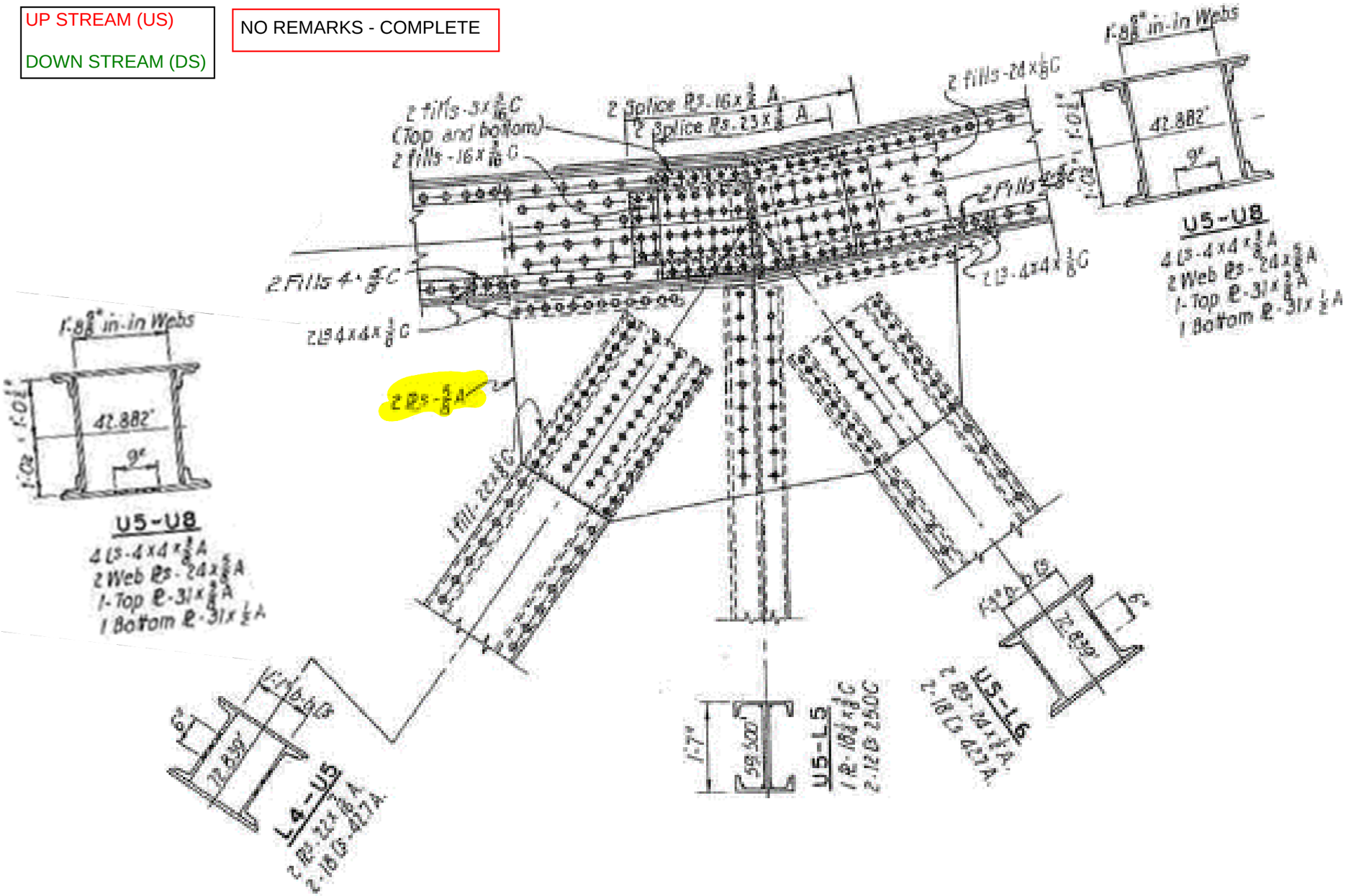
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 5_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U5

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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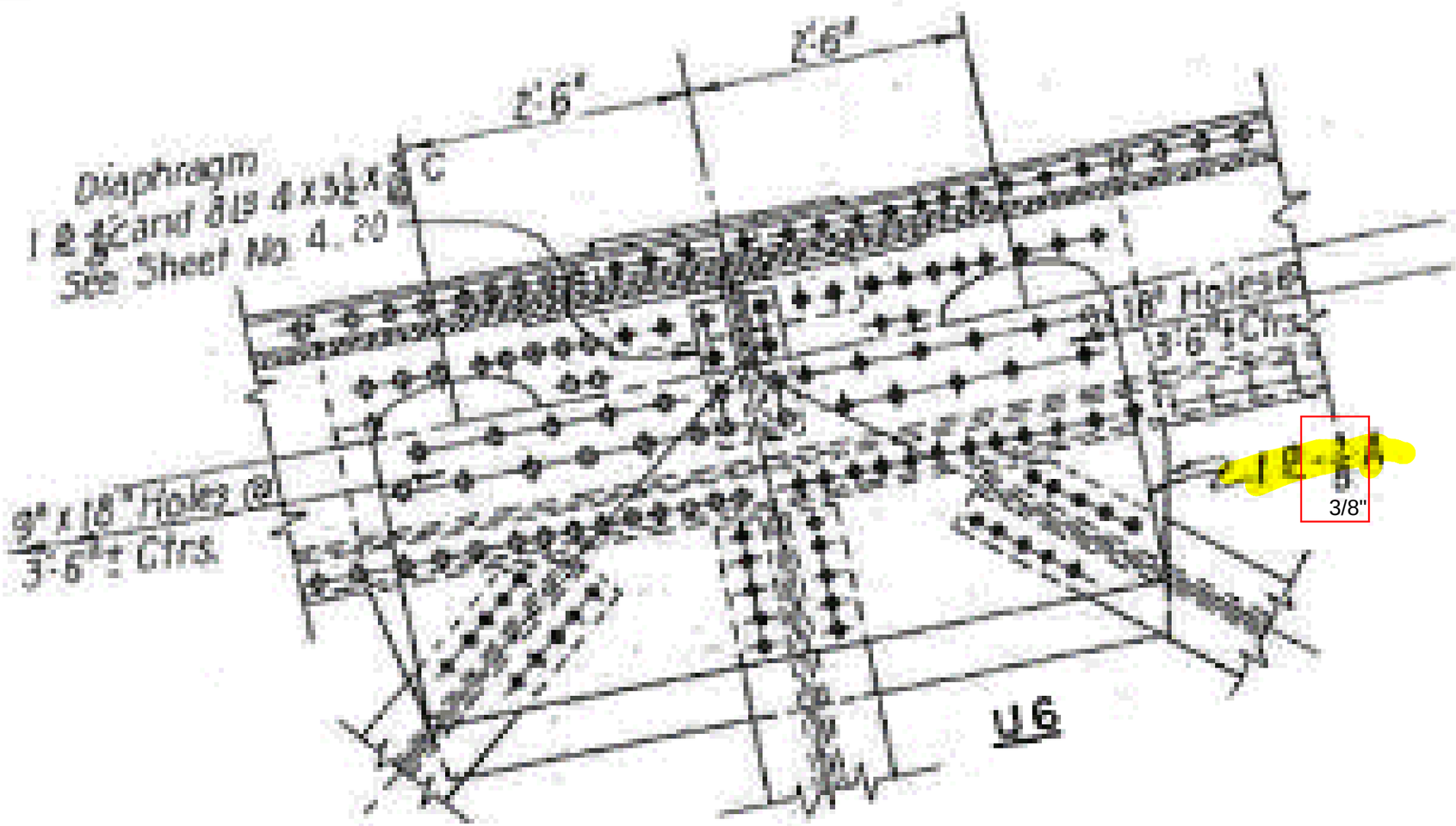
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 6_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U6

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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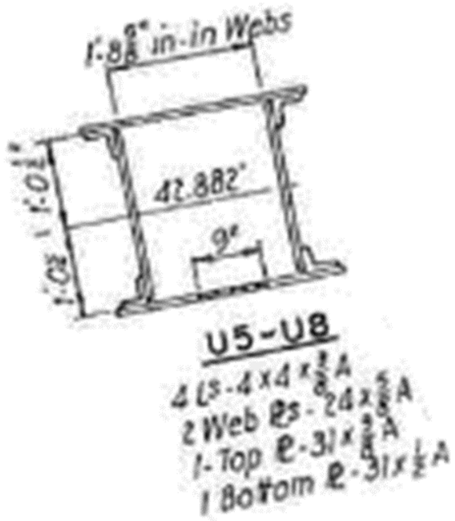
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 6_

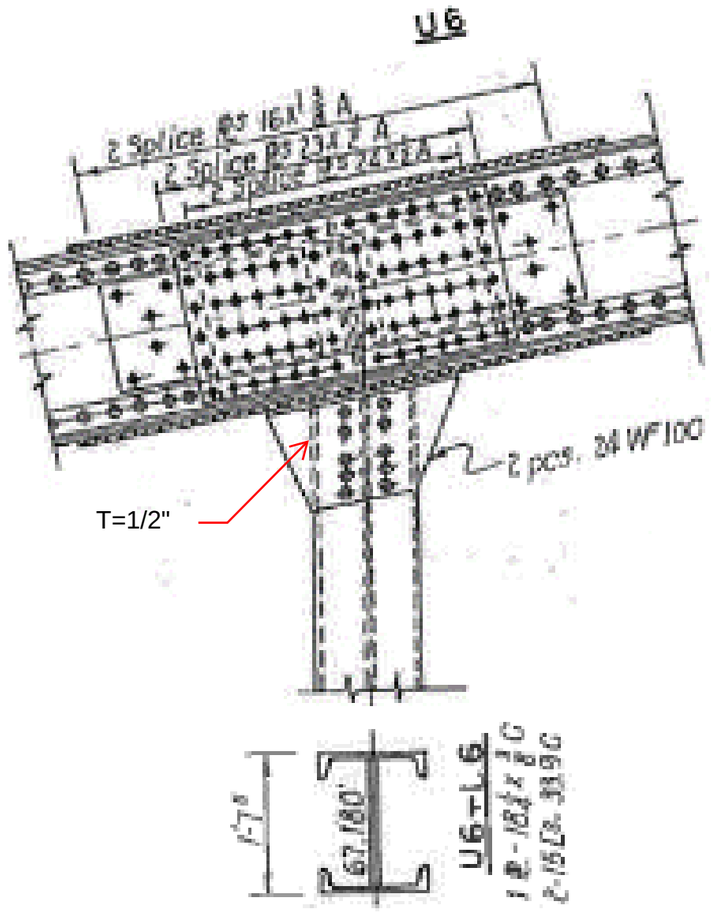
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U6

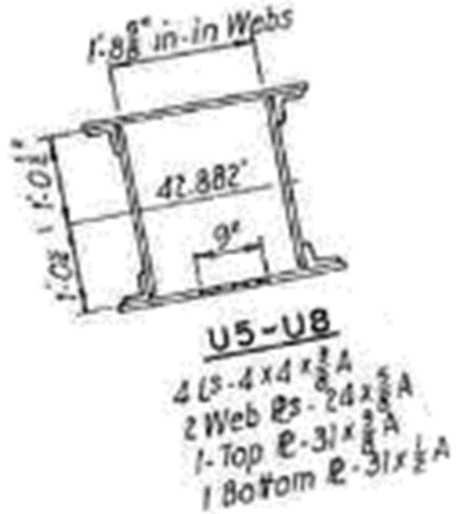
UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE







Notes: Elevation View

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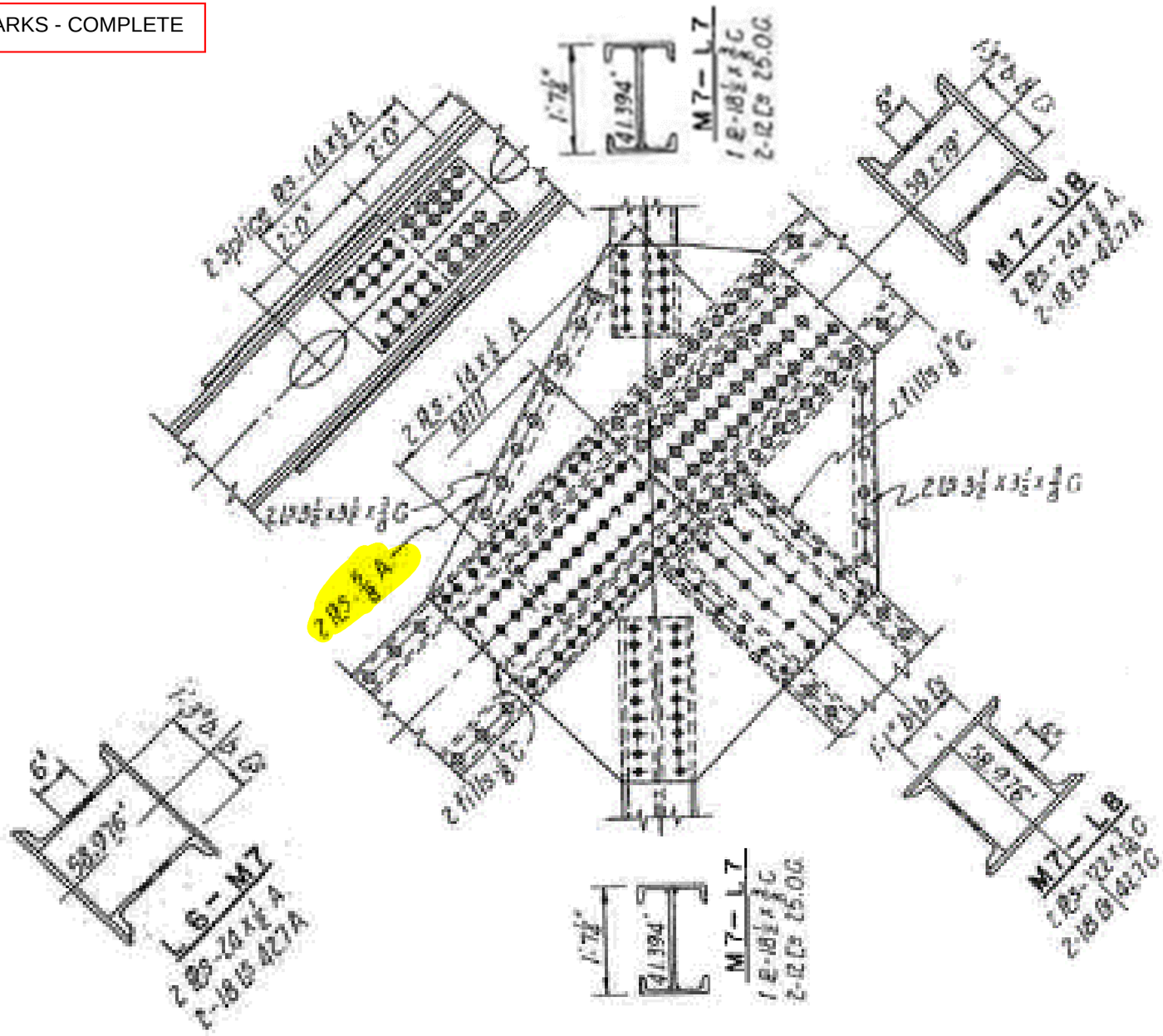
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _M 7_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M7

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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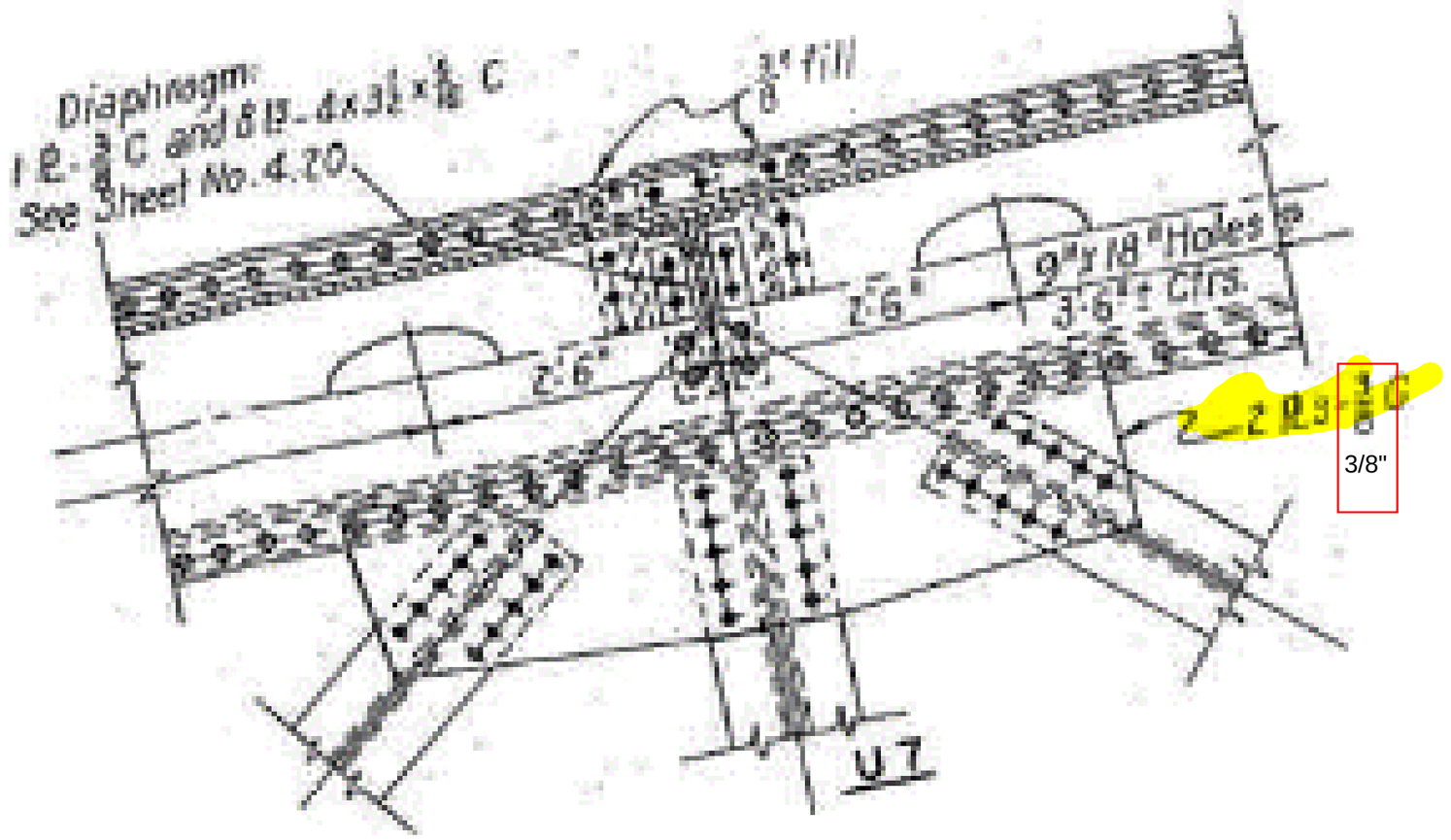
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 7_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U7

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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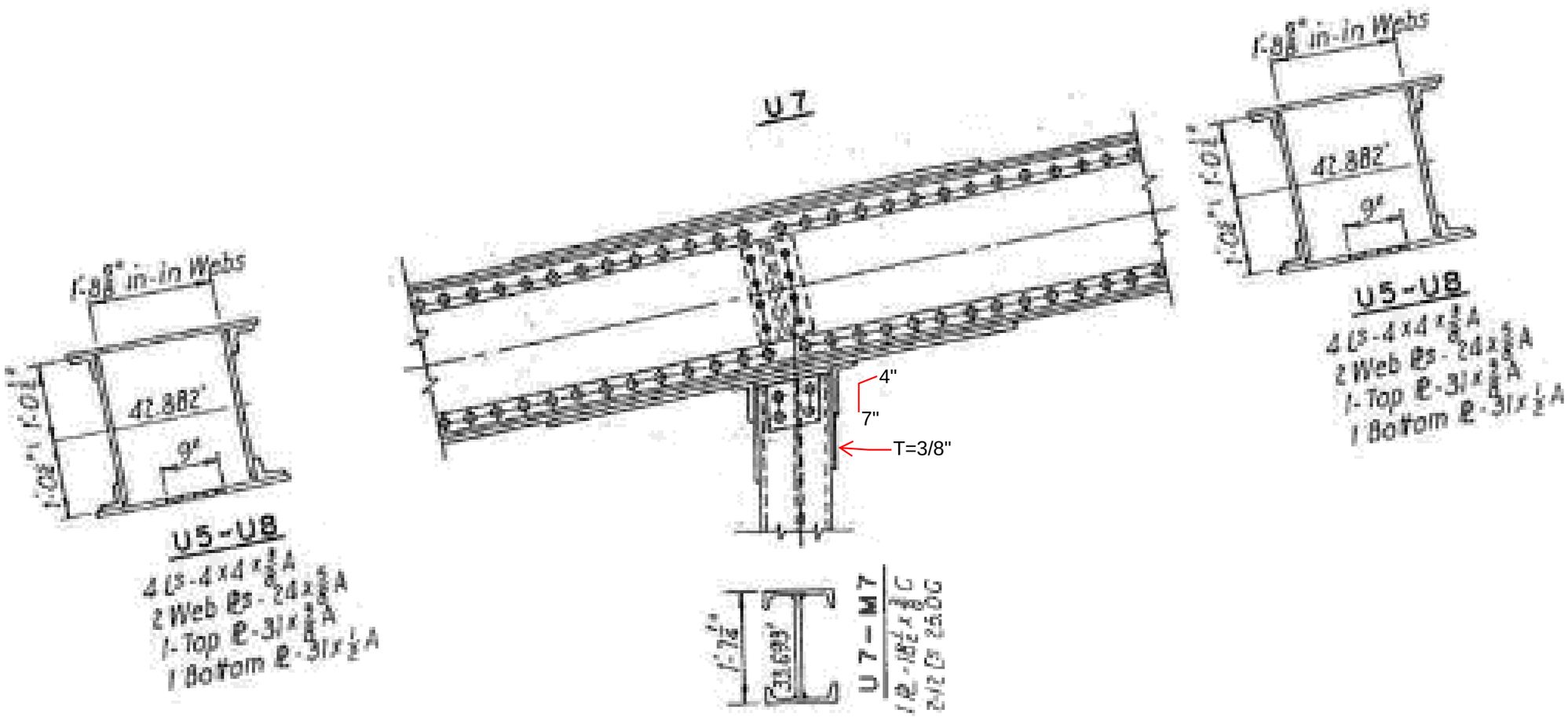
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 7_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U7

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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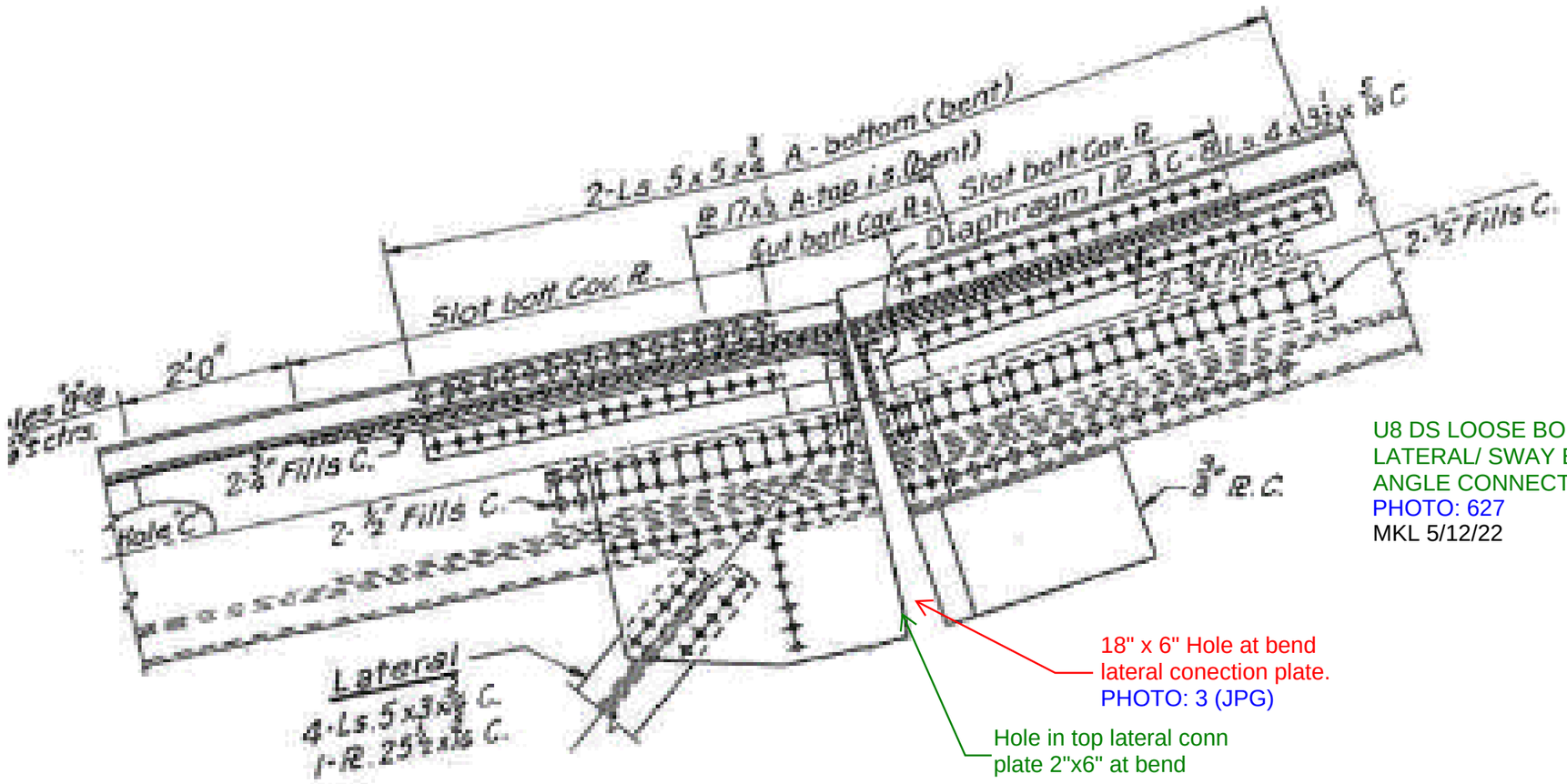
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 8_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U8

UP STREAM (US)

DOWN STREAM (DS)



U8 DS LOOSE BOLT AT LATERAL/ SWAY BRACE ANGLE CONNECTION
PHOTO: 627
MKL 5/12/22

18" x 6" Hole at bend lateral conection plate.
PHOTO: 3 (JPG)

Hole in top lateral conn plate 2"x6" at bend

Notes: Plan View

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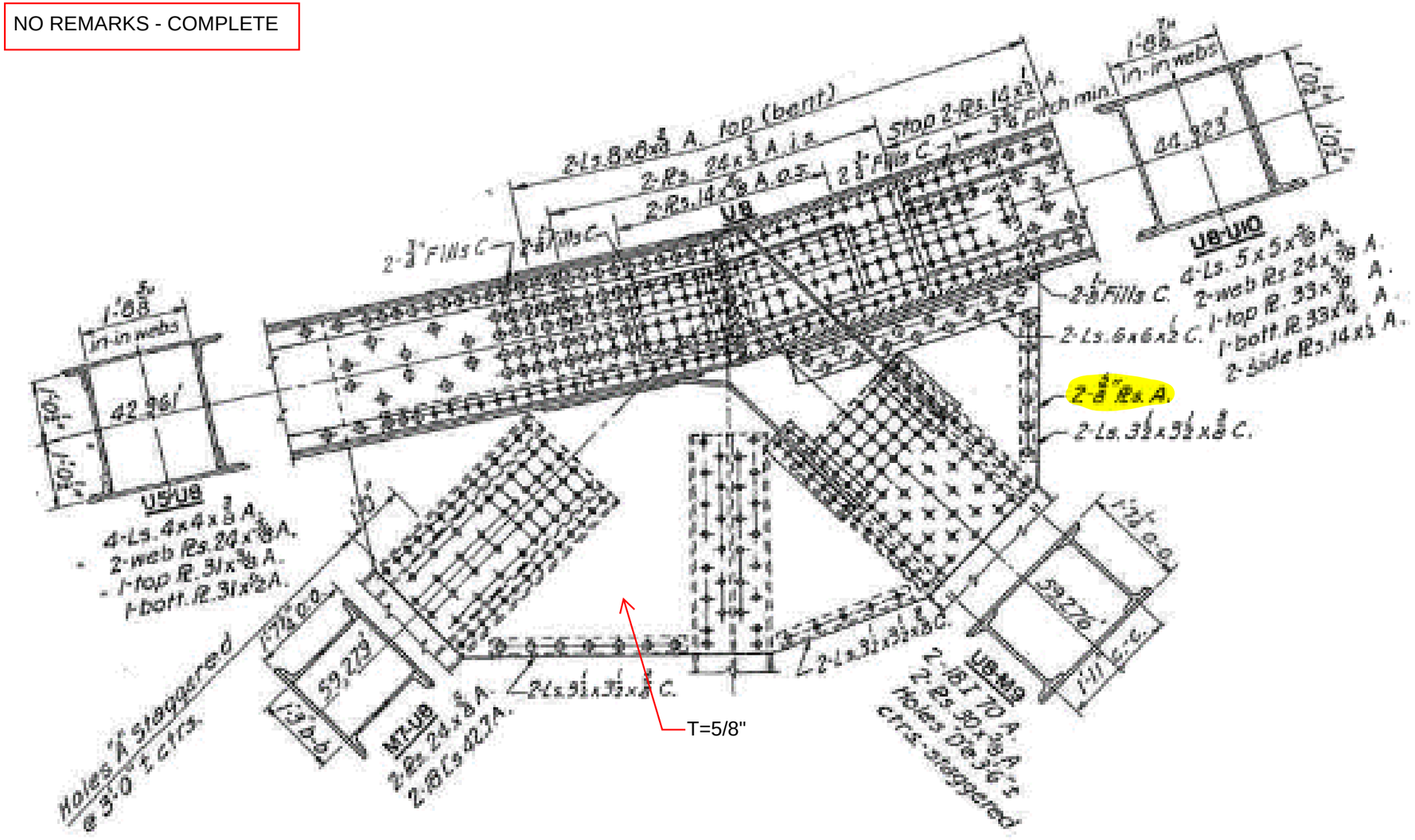
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 8_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U8

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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Little Rock, AR 72201

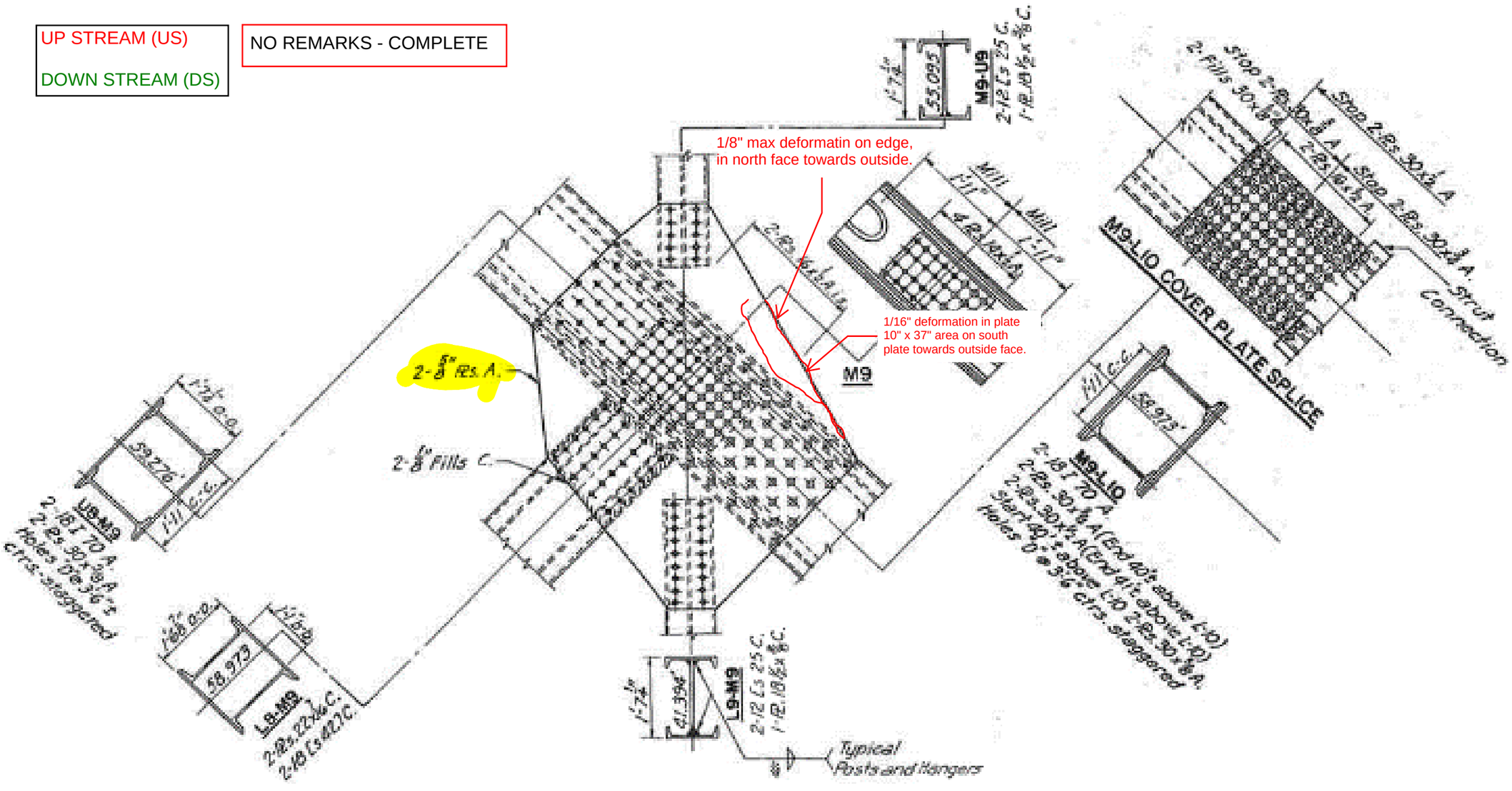
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _M 9_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M9

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Back to M 65
Elevation View M65'!A1

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

Notes: Elevation View

M9, M31 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U9

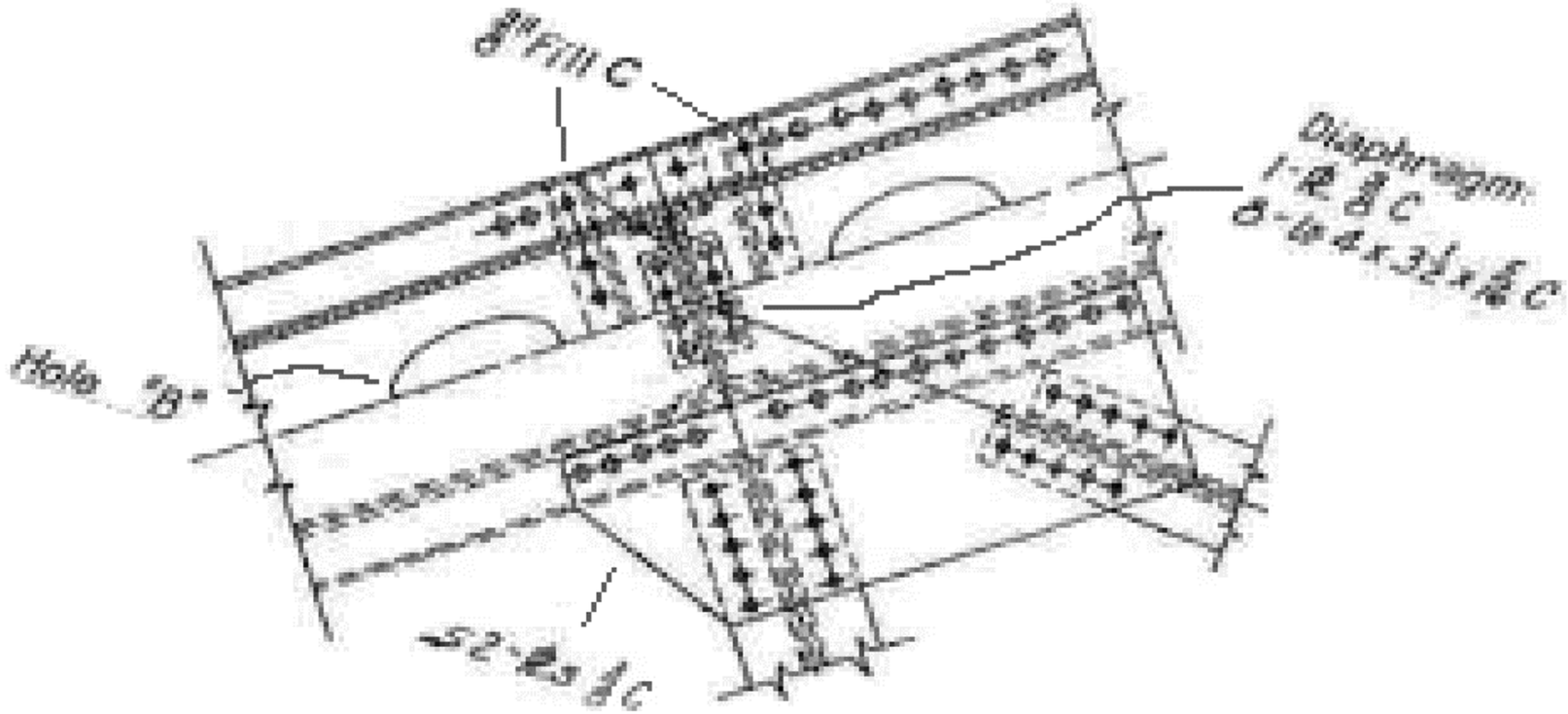
Span No. _1_ Truss location_ U 9_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U9

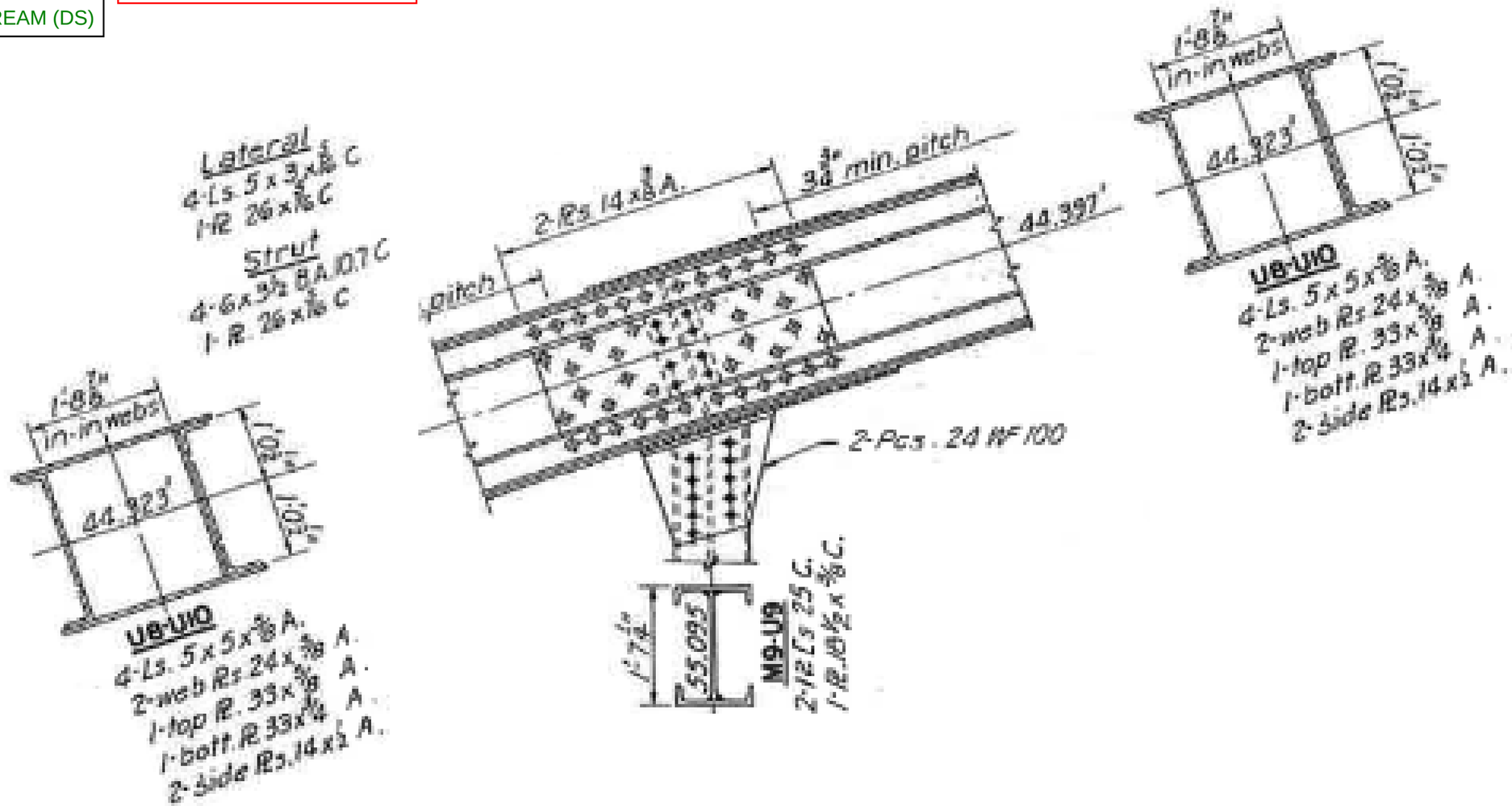
Span No. _1_ Truss location_U 9_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U10

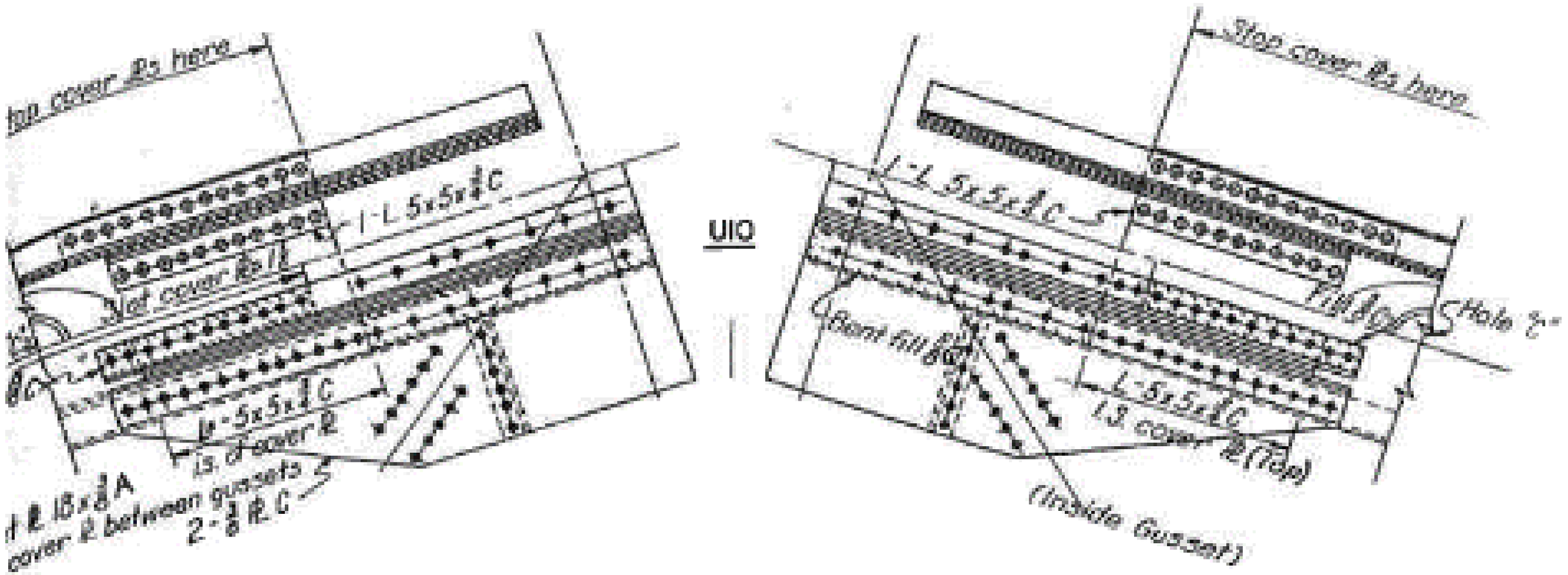
Span No. _1_ Truss location_U 10_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _U 10_

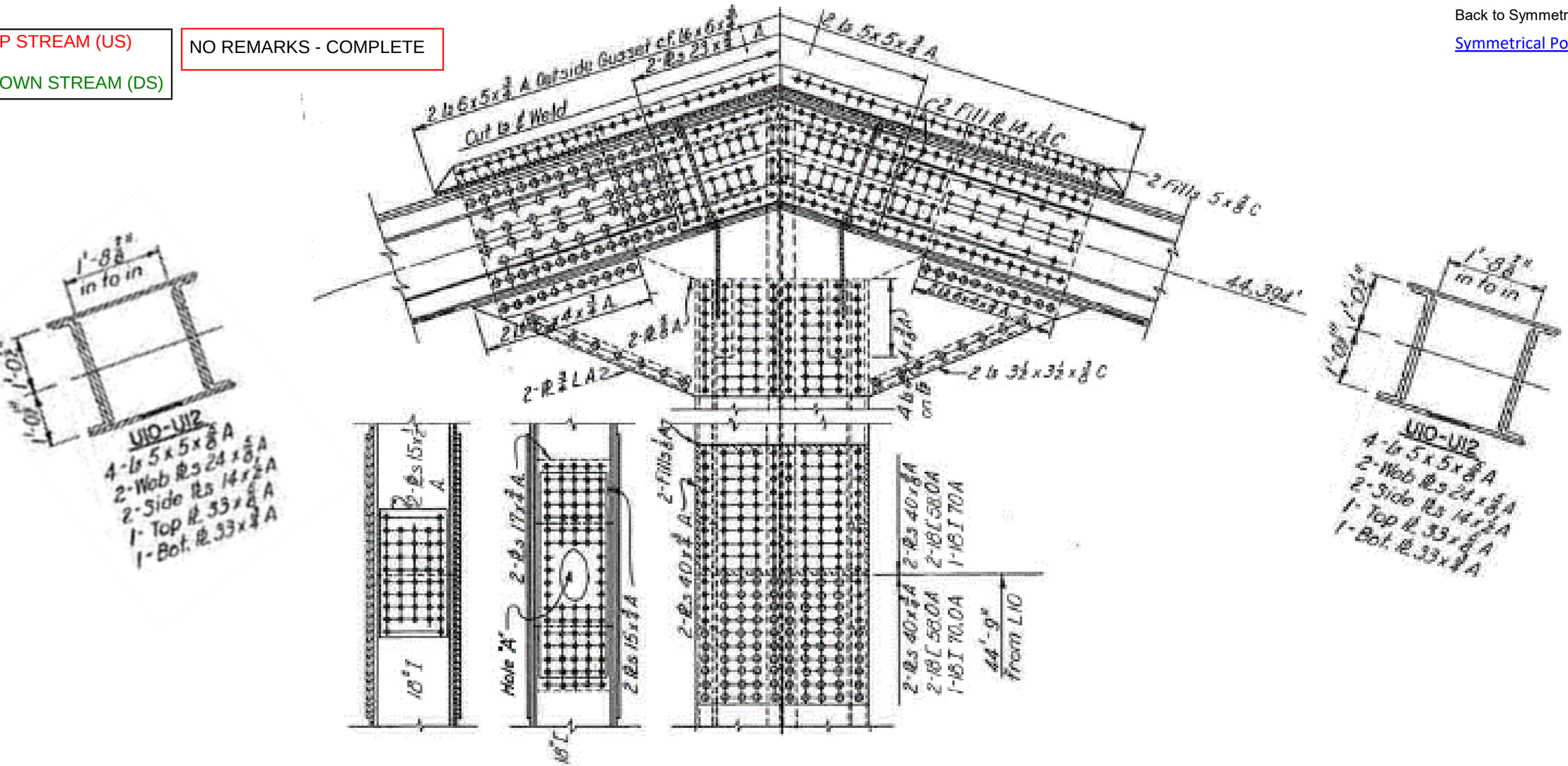
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U10

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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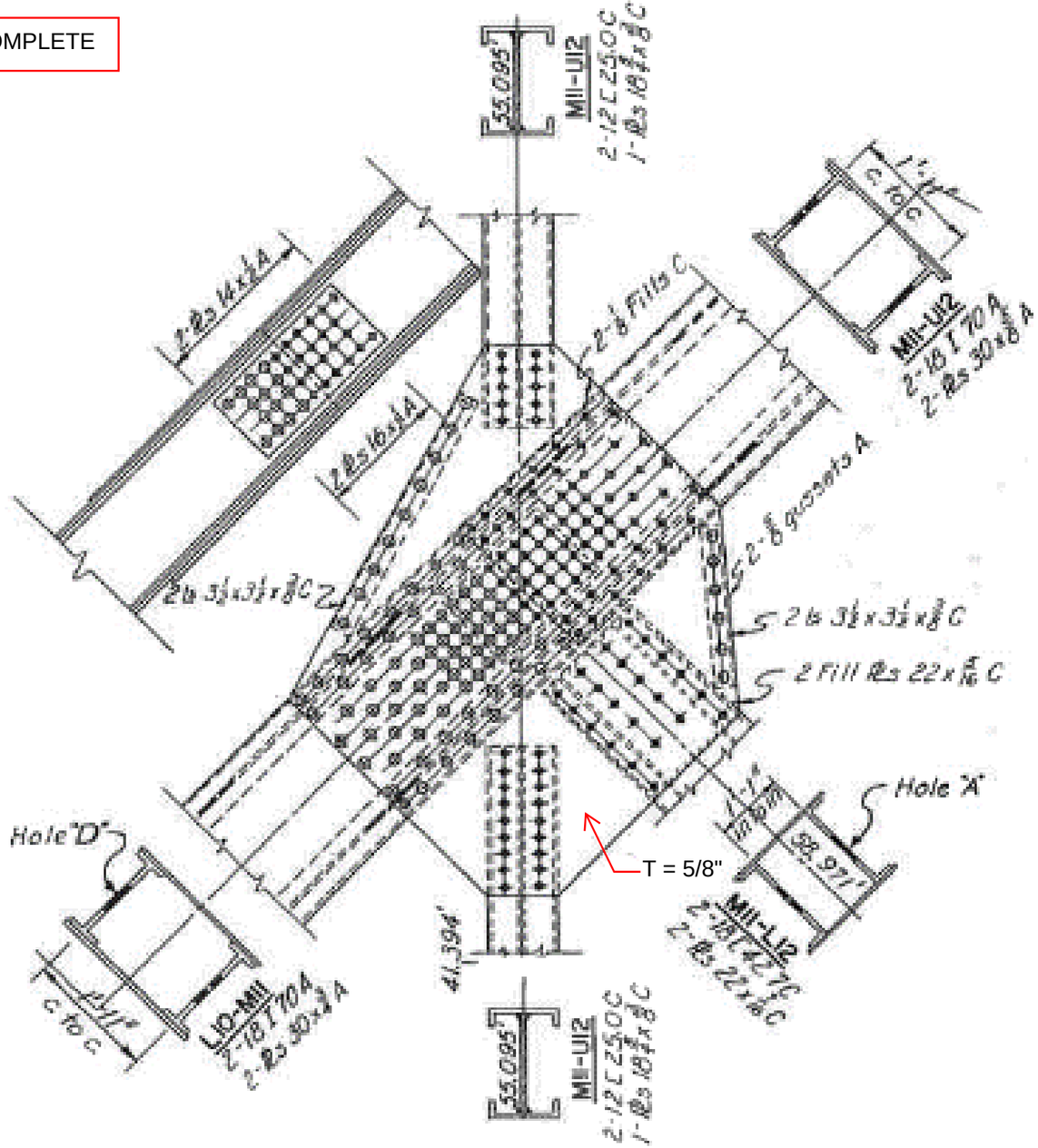
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: JPG/EB Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _M 11_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M11

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Back to M 51
Elevation View M51'!A1
Back to M 63
Elevation View M63'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

Notes: Elevation View

M29, M11 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U11

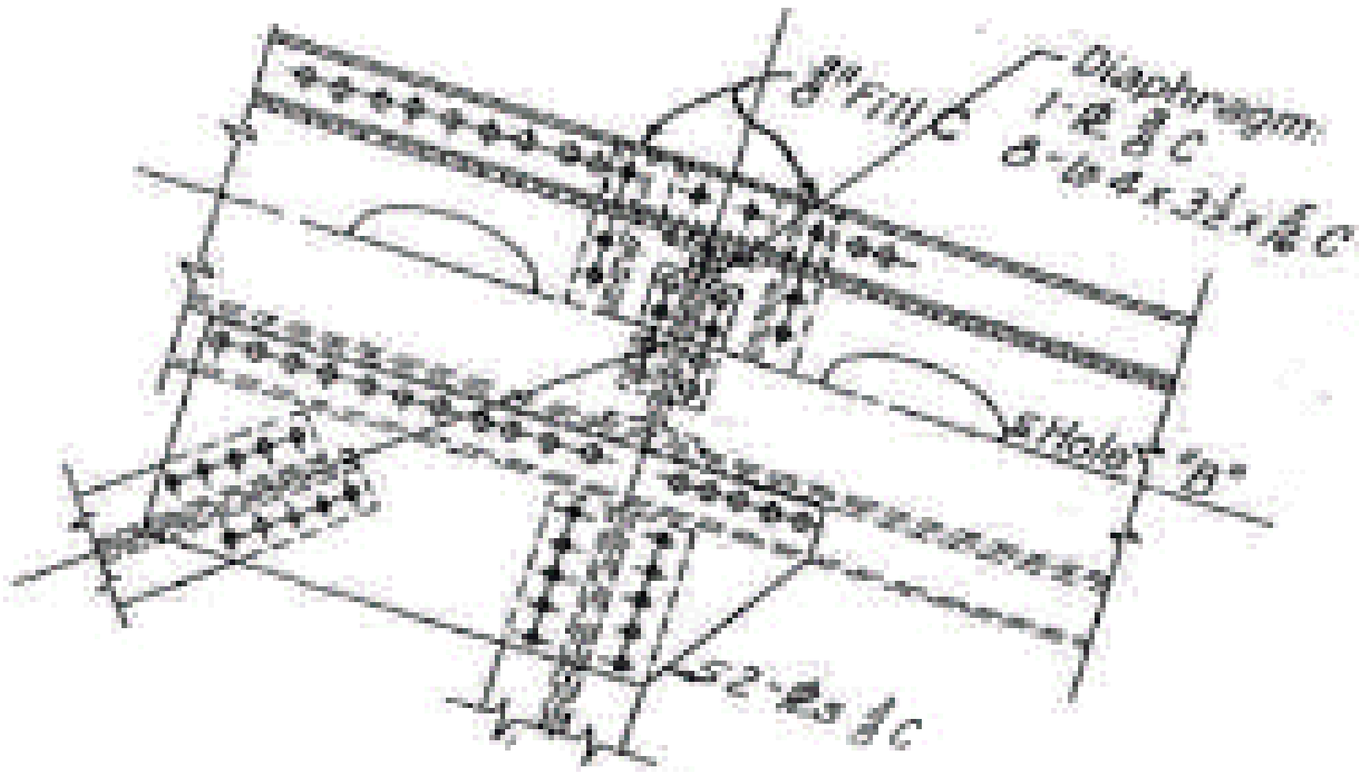
Span No. _2_ Truss location_U 11_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



t= 3/8"

Notes: Plan View

U29, U11 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

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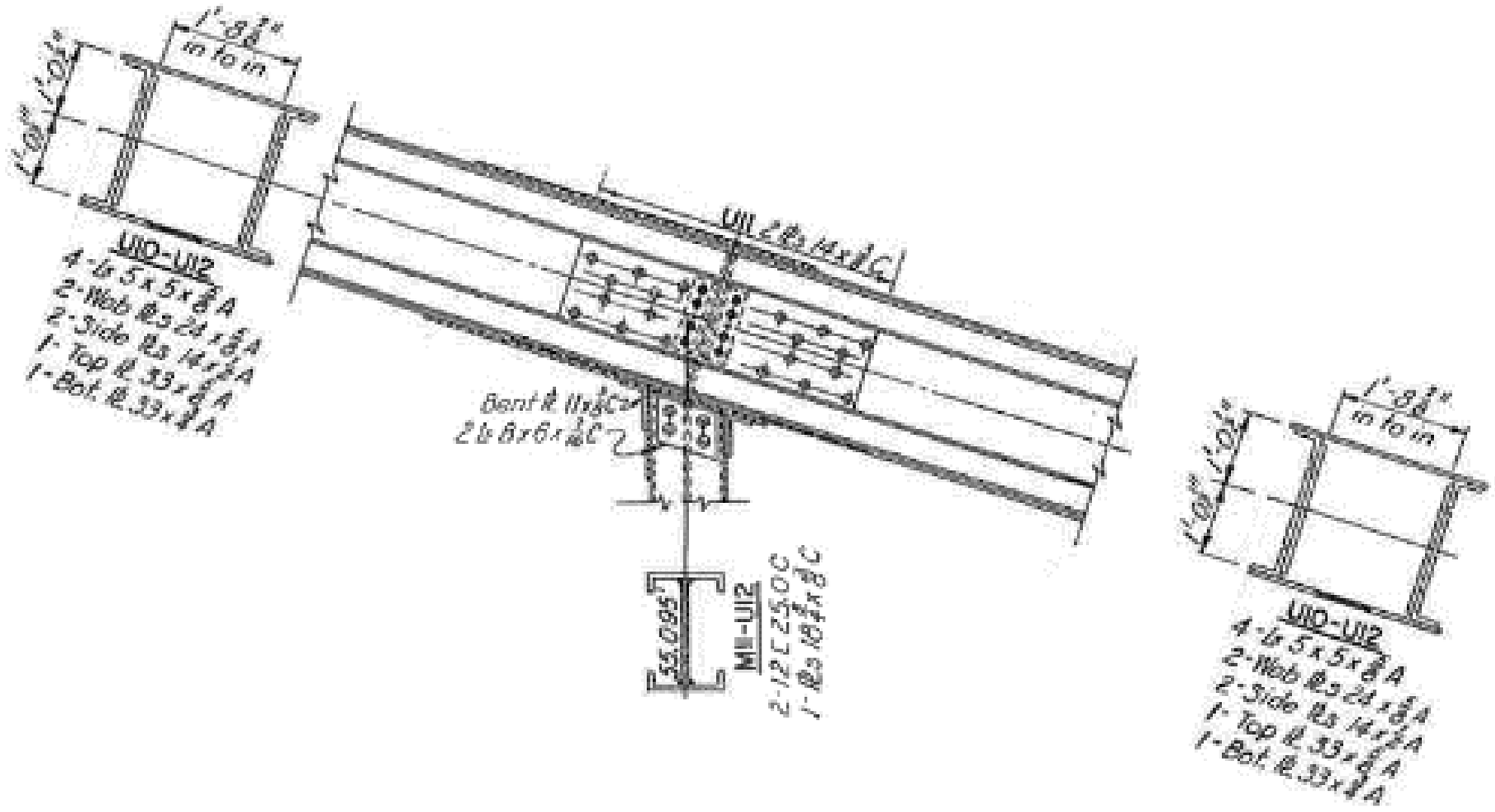
Span No. _2_ Truss location_U 11_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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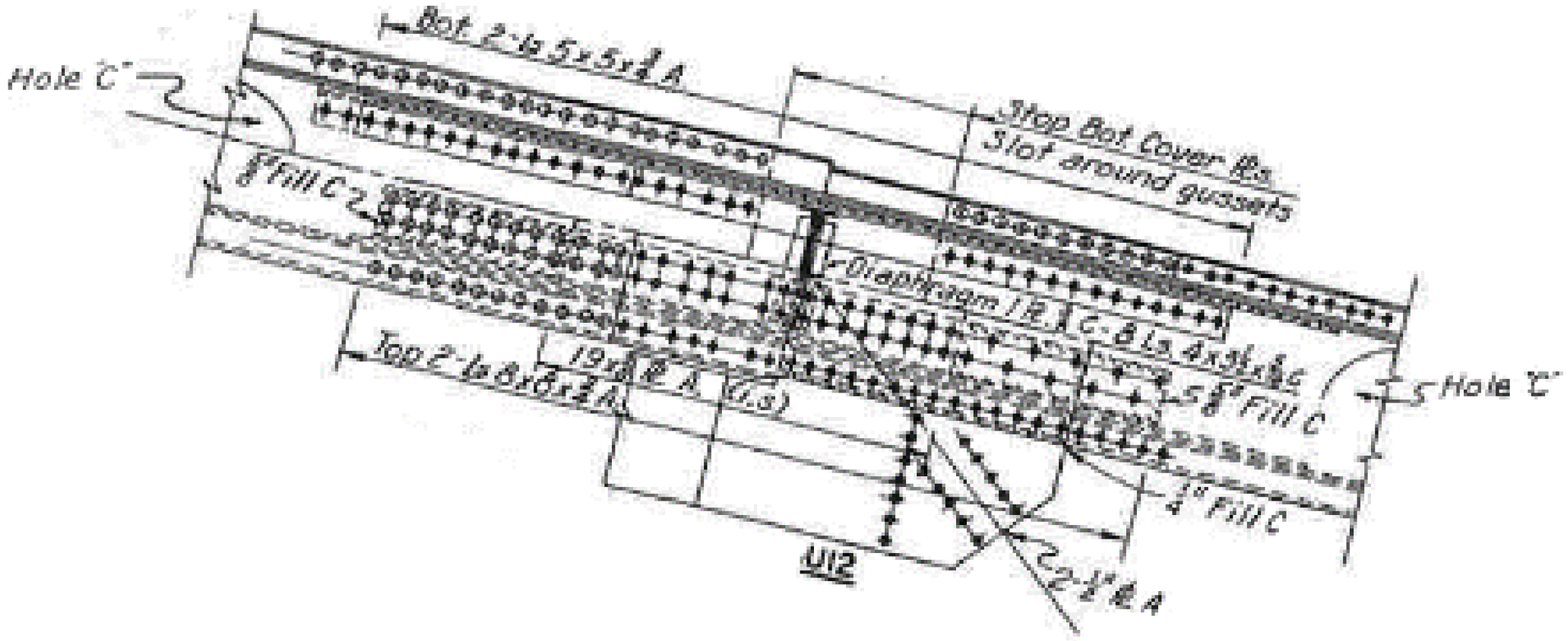
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 12_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U12

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)



U28, U12 plate thickness verified

Notes: Plan View

(1) loose nut downstream u12 m11 diagonal at connection plate
.1" remaining thickness (.5" org) to lateral connection plate, at plate bend 1/8" section loss x 2" along plate bend (photo 51-52)

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 12_

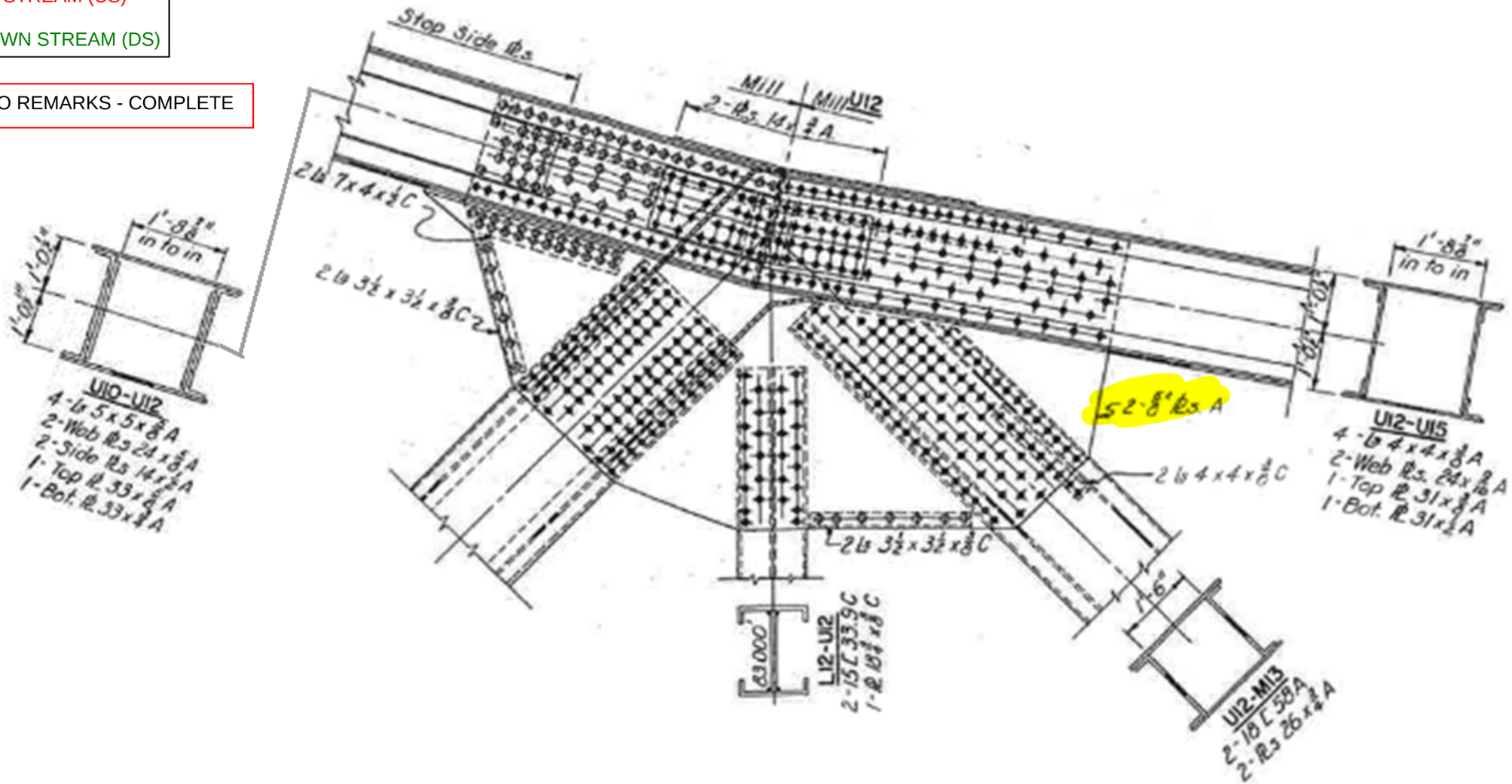
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U12

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

U28, U12 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _M13_

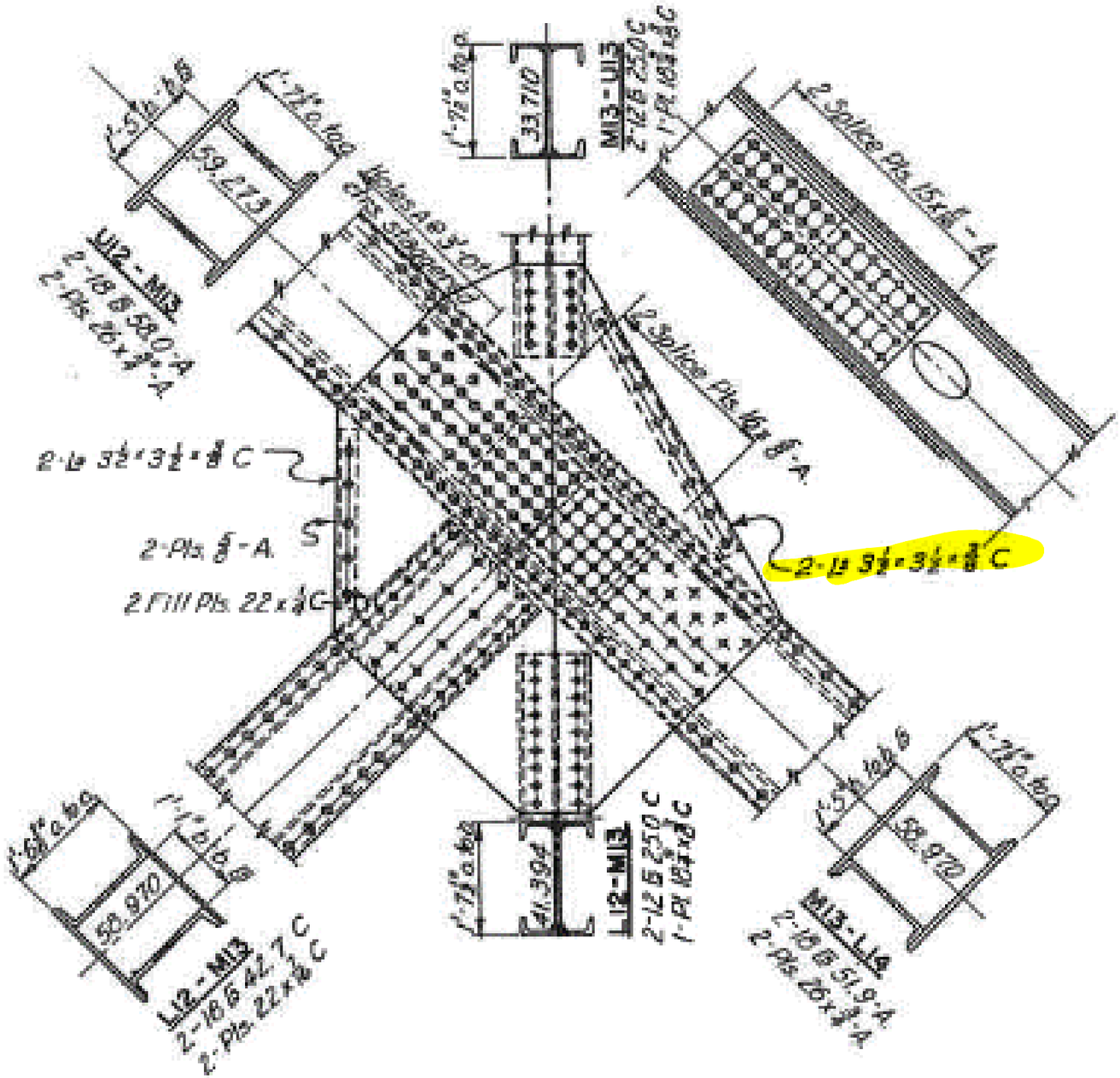
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M13

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

M29, M11 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 13_

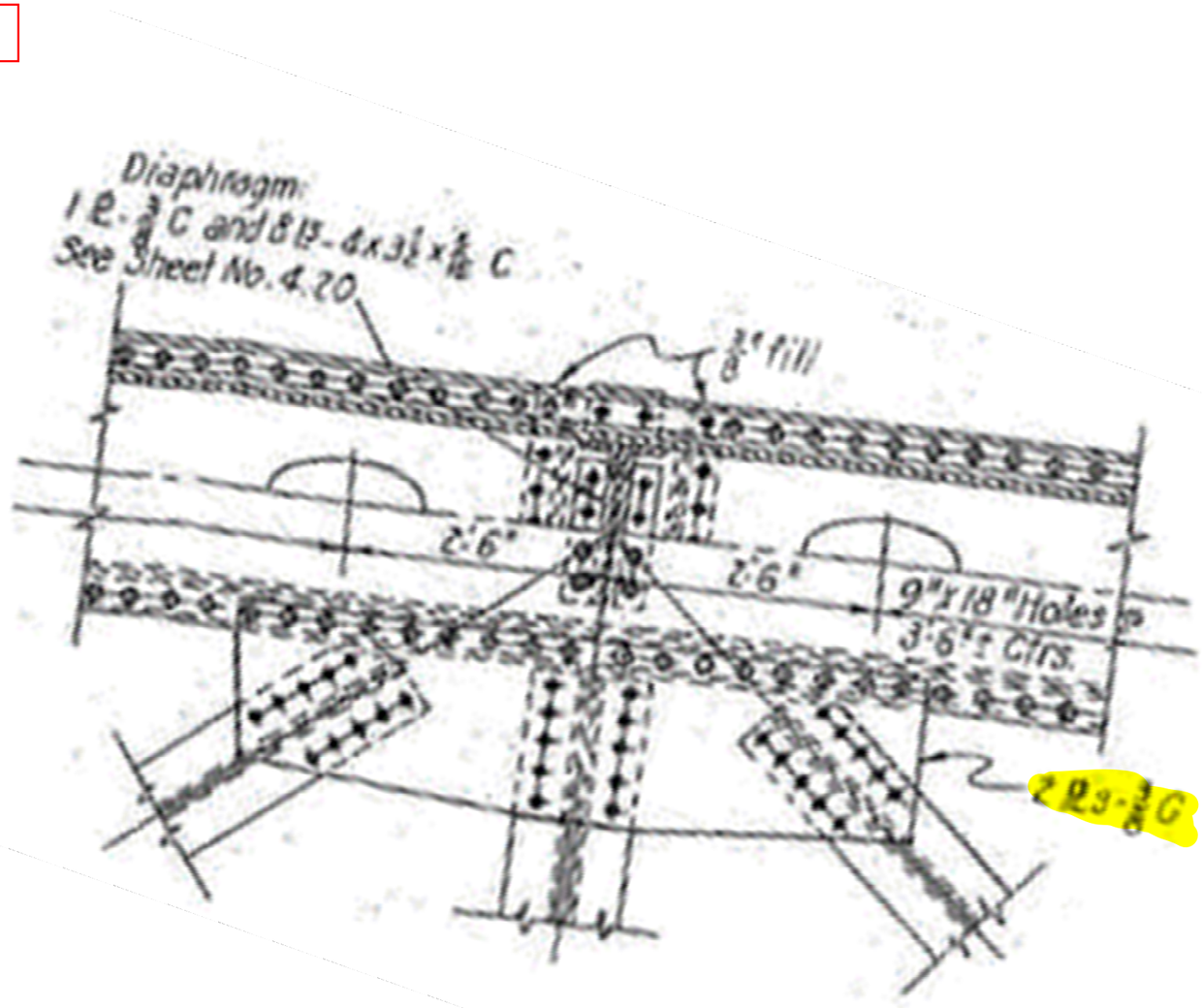
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U13

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

U13, U27 plate thickness verified

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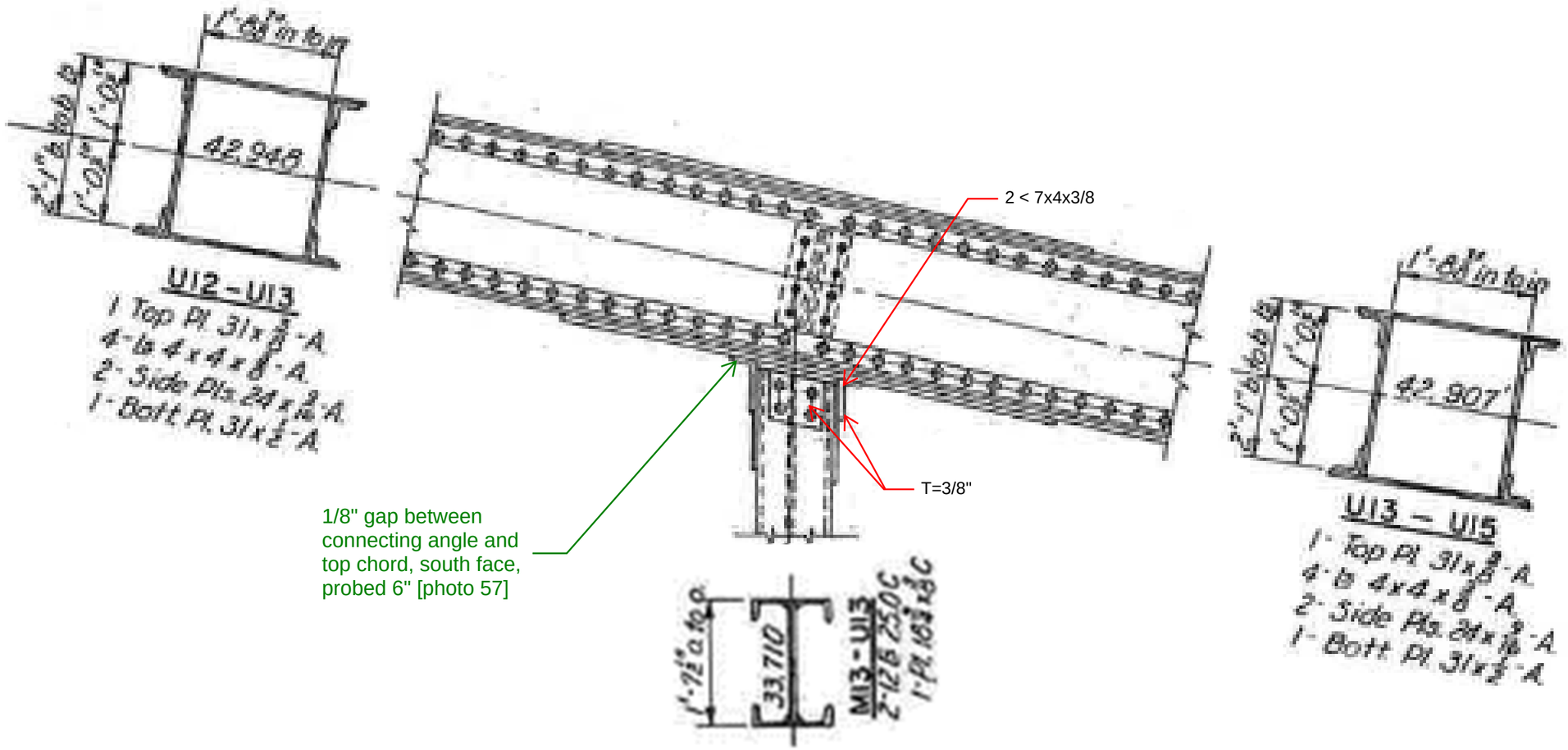
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 13_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U13

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

U27, U13 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 14_

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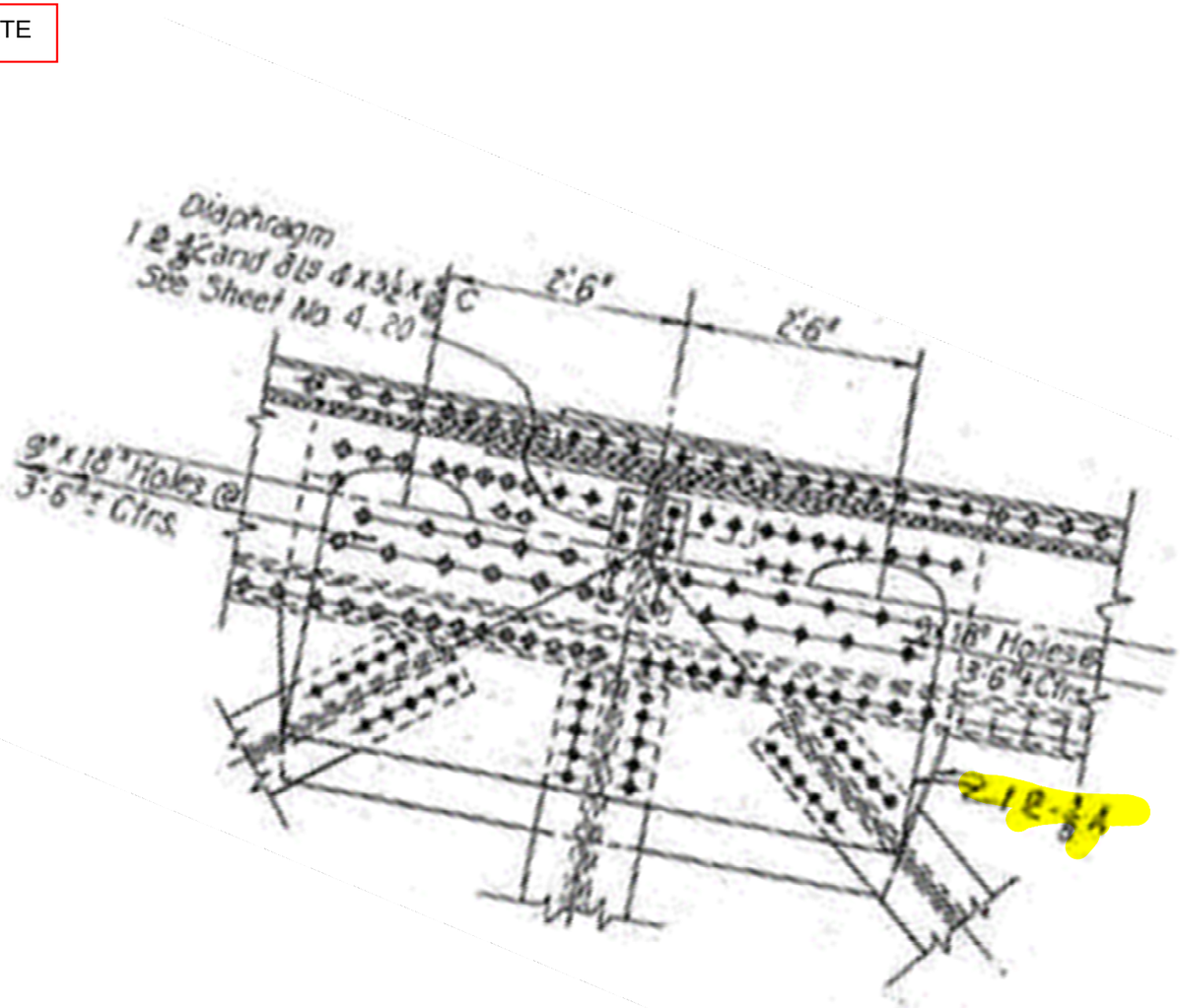
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

U26, U14 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _U 14_

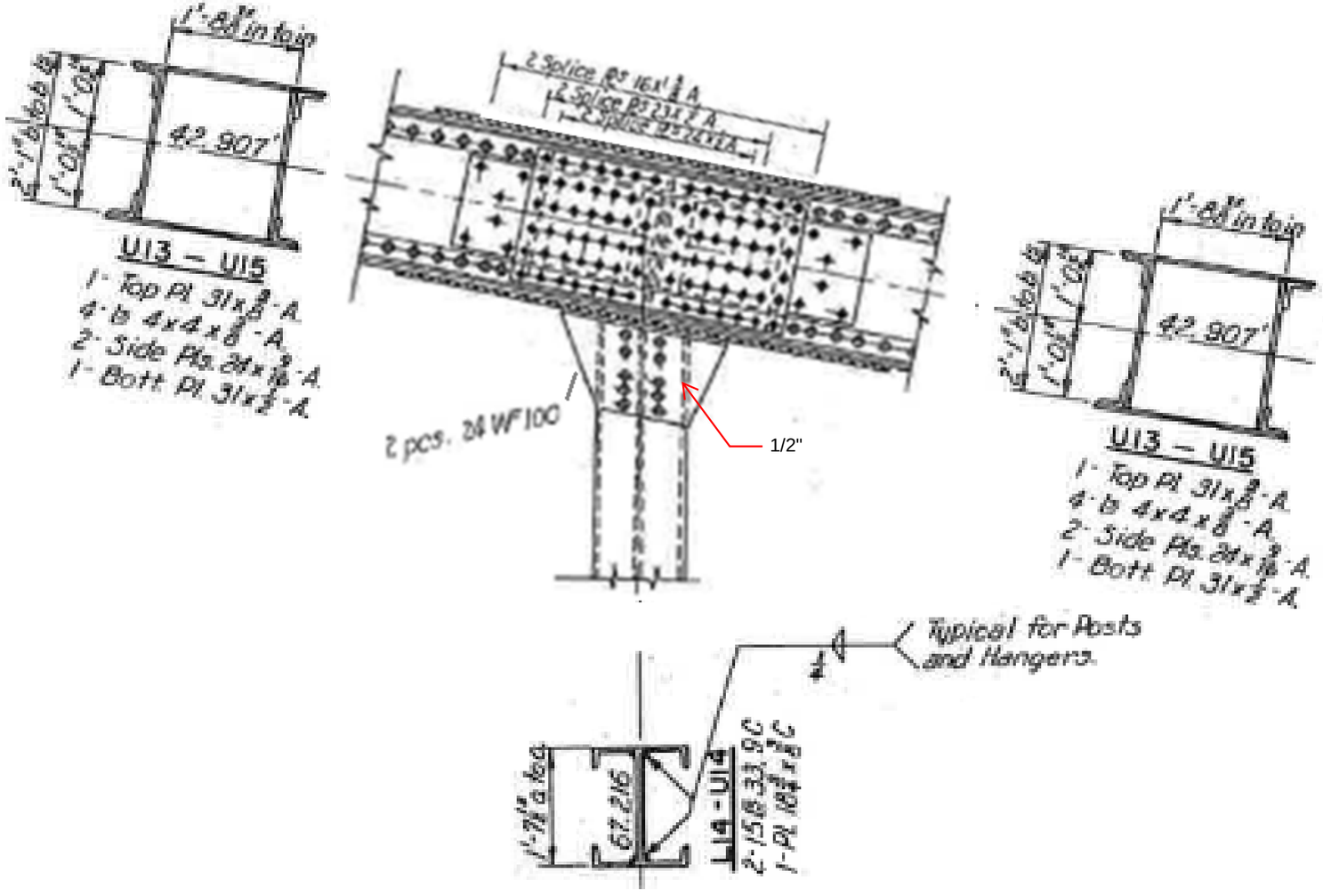
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U14

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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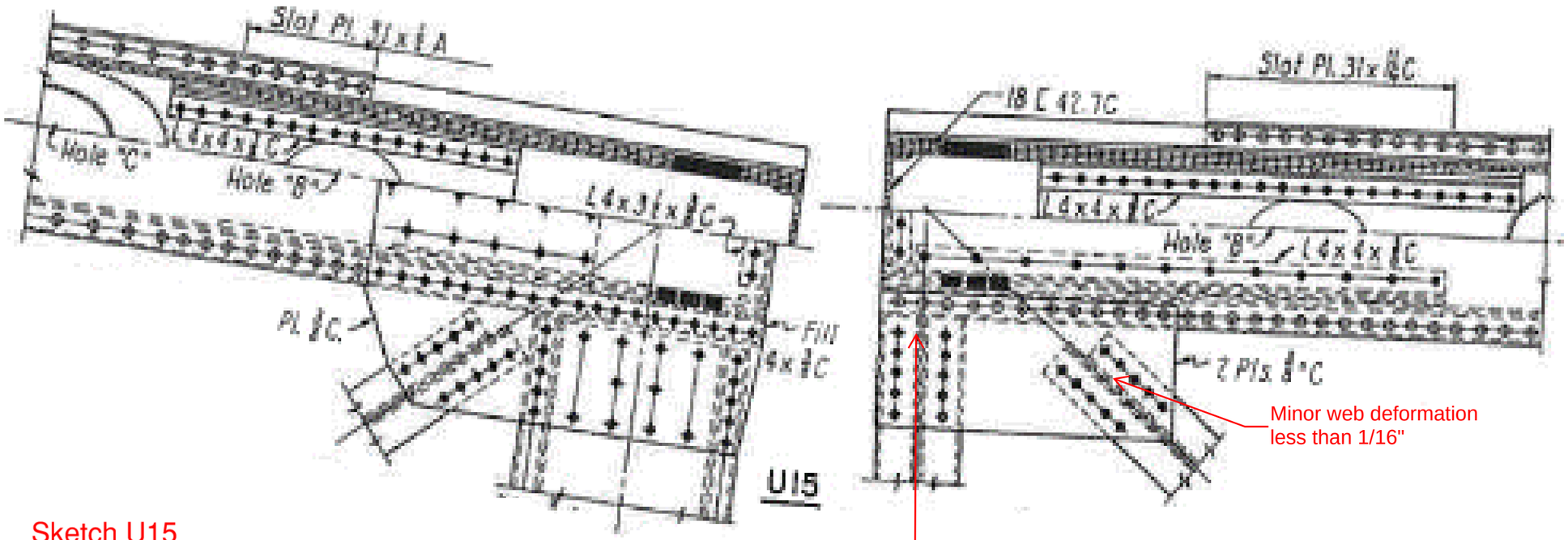
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 15_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U15

UP STREAM (US)

DOWN STREAM (DS)

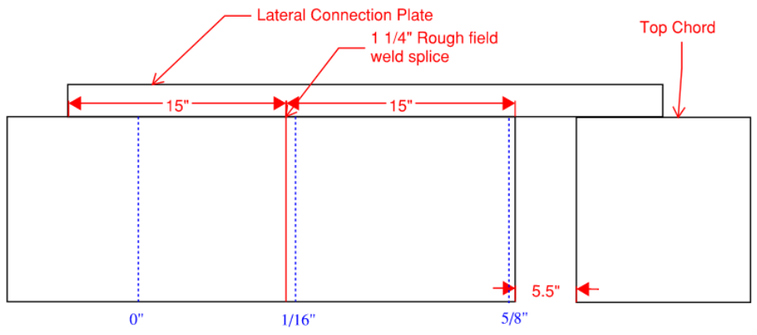
PICS	BEGINS	ENDS
SFH	1034	1037
EB	577	670



Minor web deformation less than 1/16"

5/8" max web buckling top horizontal member at web ends
Weld in web is 13.5" from end of web 1/16" at weld (See Sketch U15)

Sketch U15



Notes: Plan View

Same notes for downstream.

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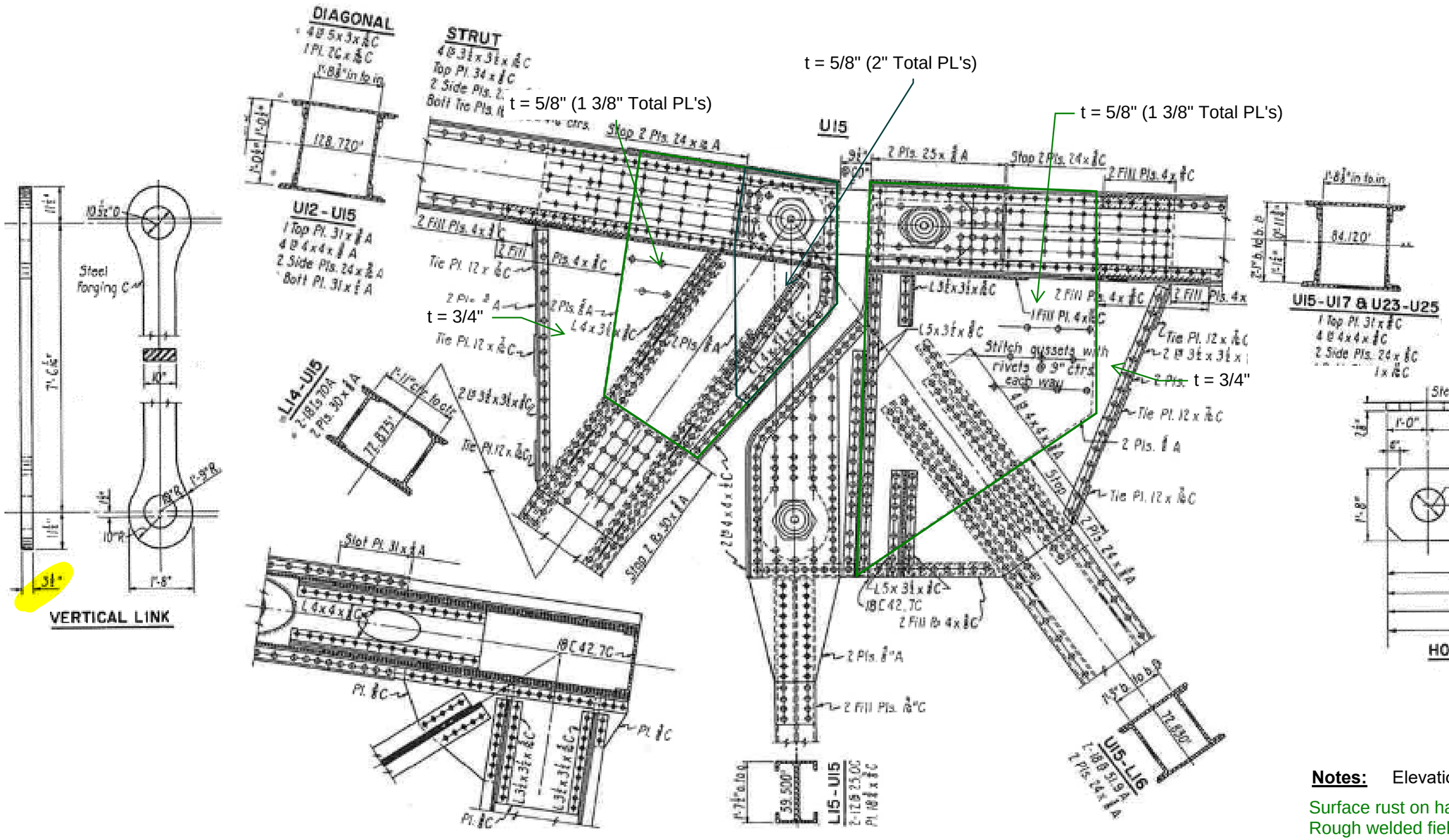
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _U 15_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U15

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

Surface rust on hanger and pin. Rust staining at pin.
Rough welded field splices to horizontal members, similar to u25.
Apparent rough field welded splice. All horz. members.
Plate thicknesses match DS.

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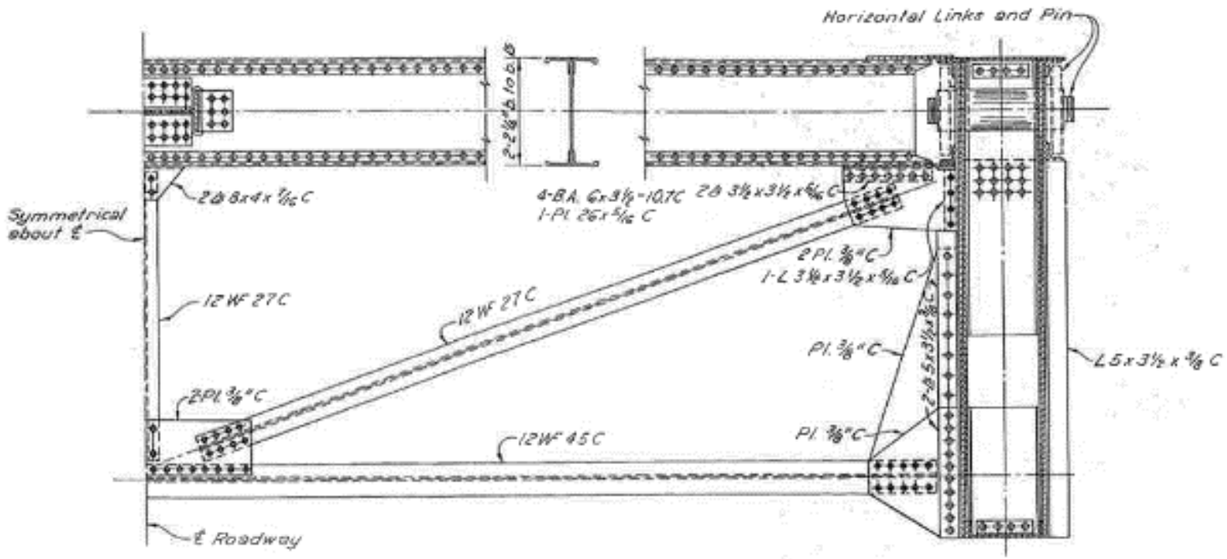
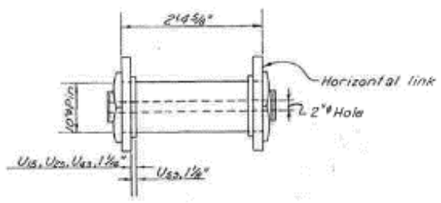
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location U 15

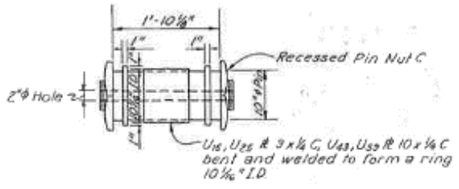
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U15 continued



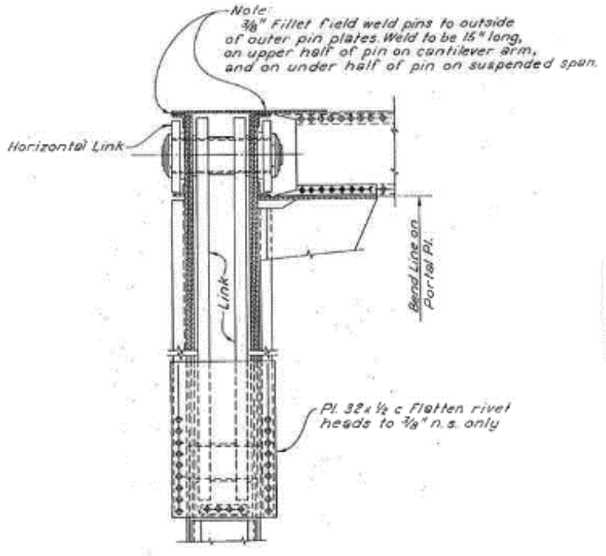
SECTION A-A



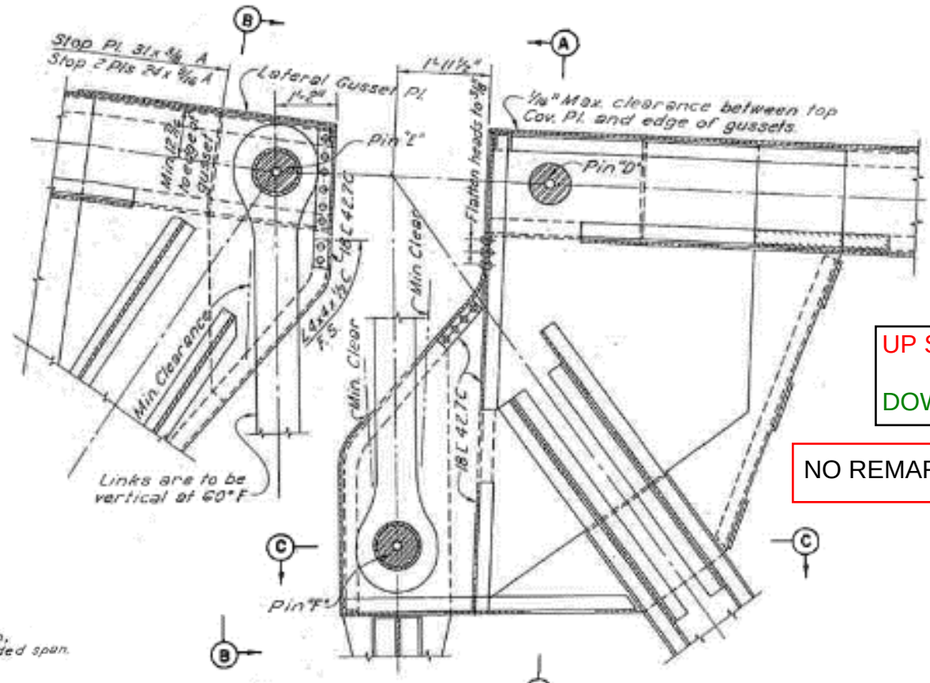
PIN "D" DETAIL



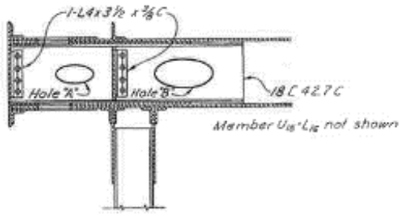
PIN "F" DETAIL



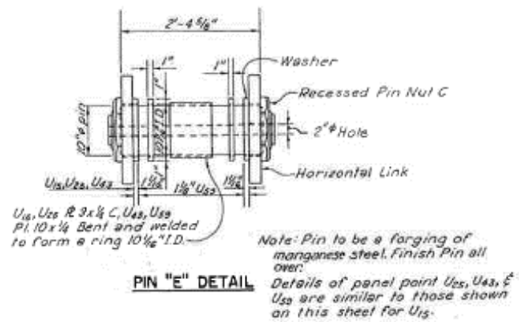
SECTION B-B



SECTION ON ℄ TRUSS AT U15



SECTION C-C



PIN "E" DETAIL

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Notes: Additional Details

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 16_

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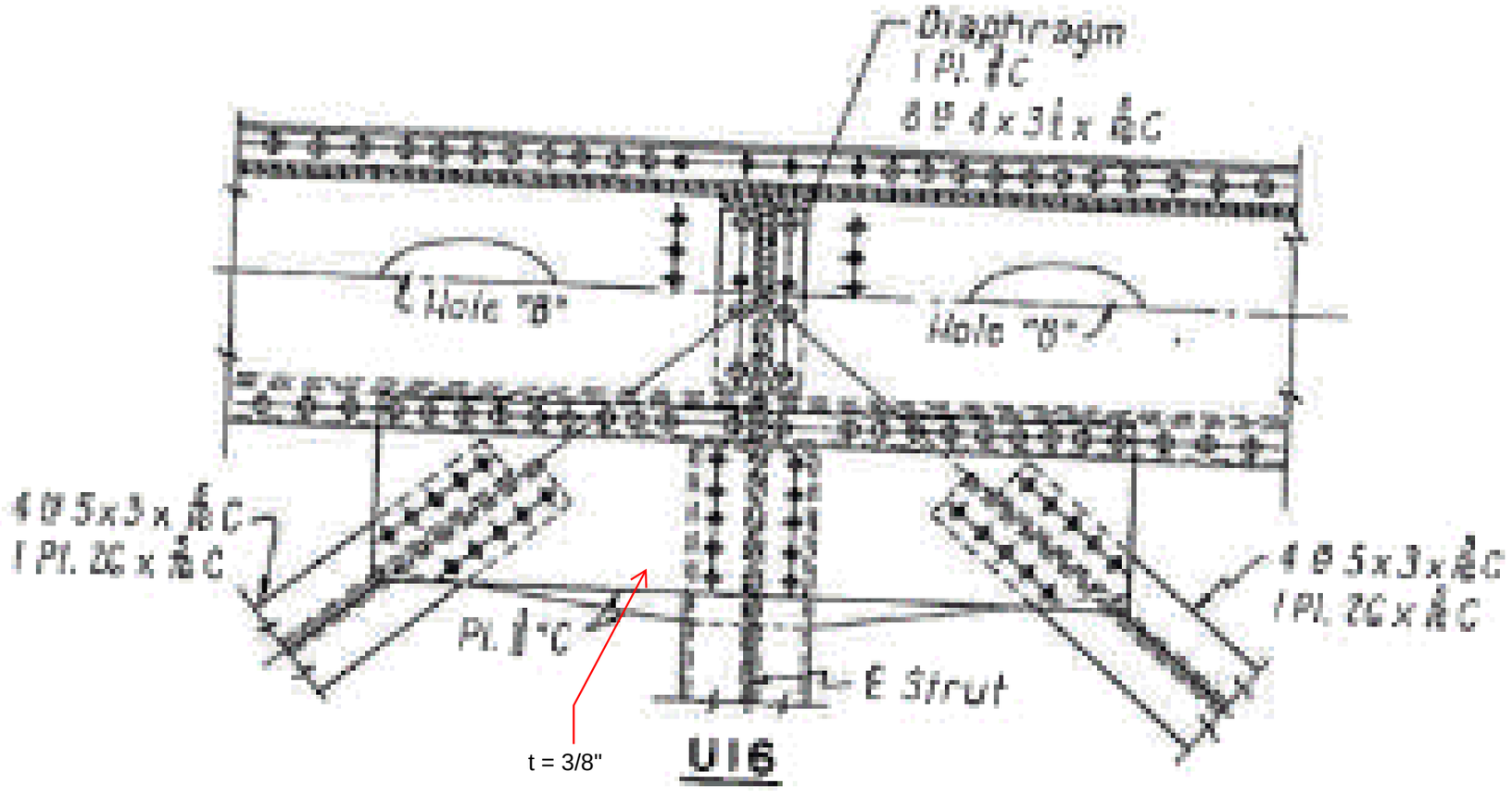
Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

U22, U18 plate thickness verified

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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 16_

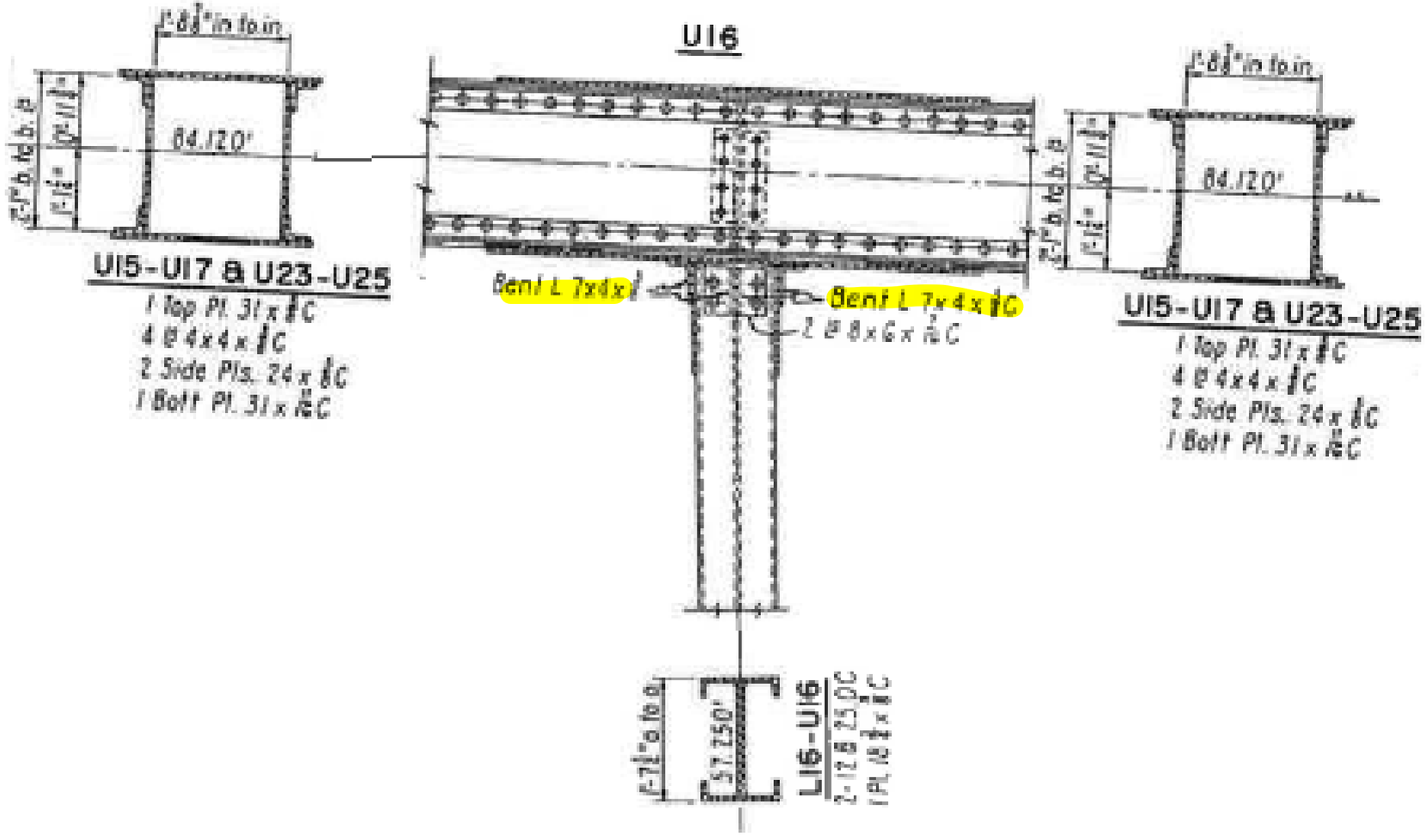
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U16

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1



Notes: Elevation View

U24, U16 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 17_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U17

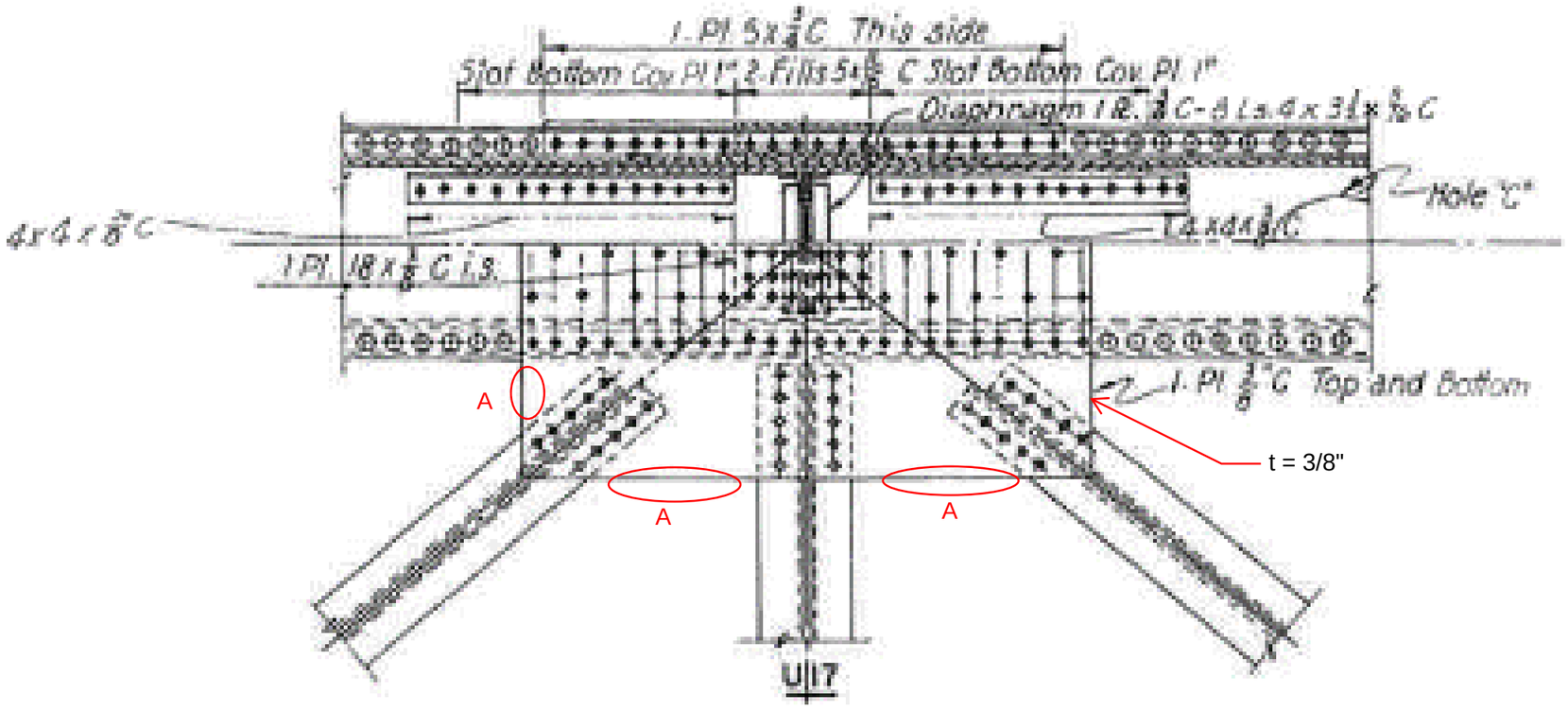
Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)

PHOTO: 574-577

A SLIGHT DISTORTION OF TOP PLATE



Notes: Plan View

U23, U17 plate thickness verified

U23 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 17_

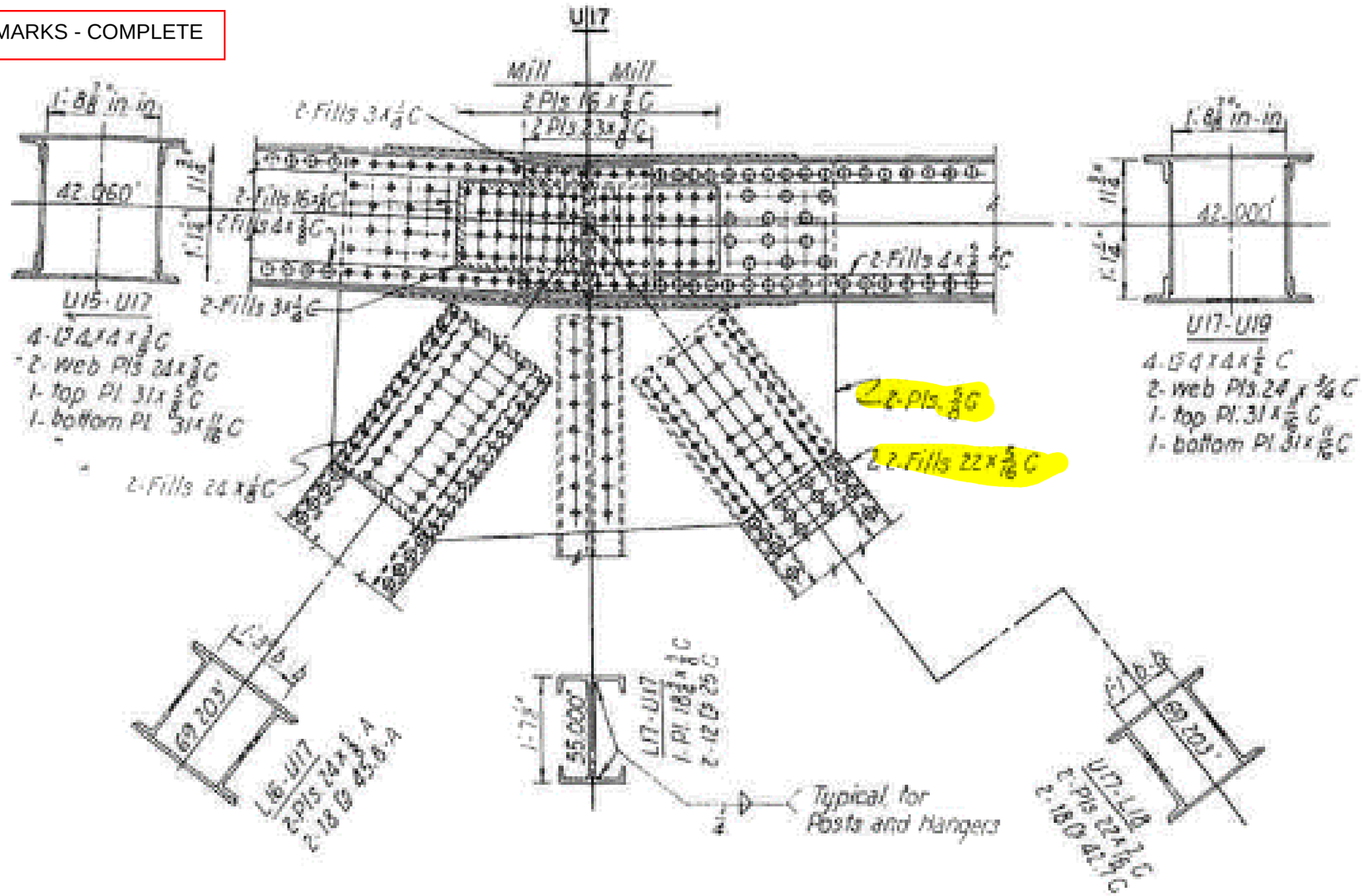
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U17

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

U23, U17 plate thickness verified

U23 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 18_

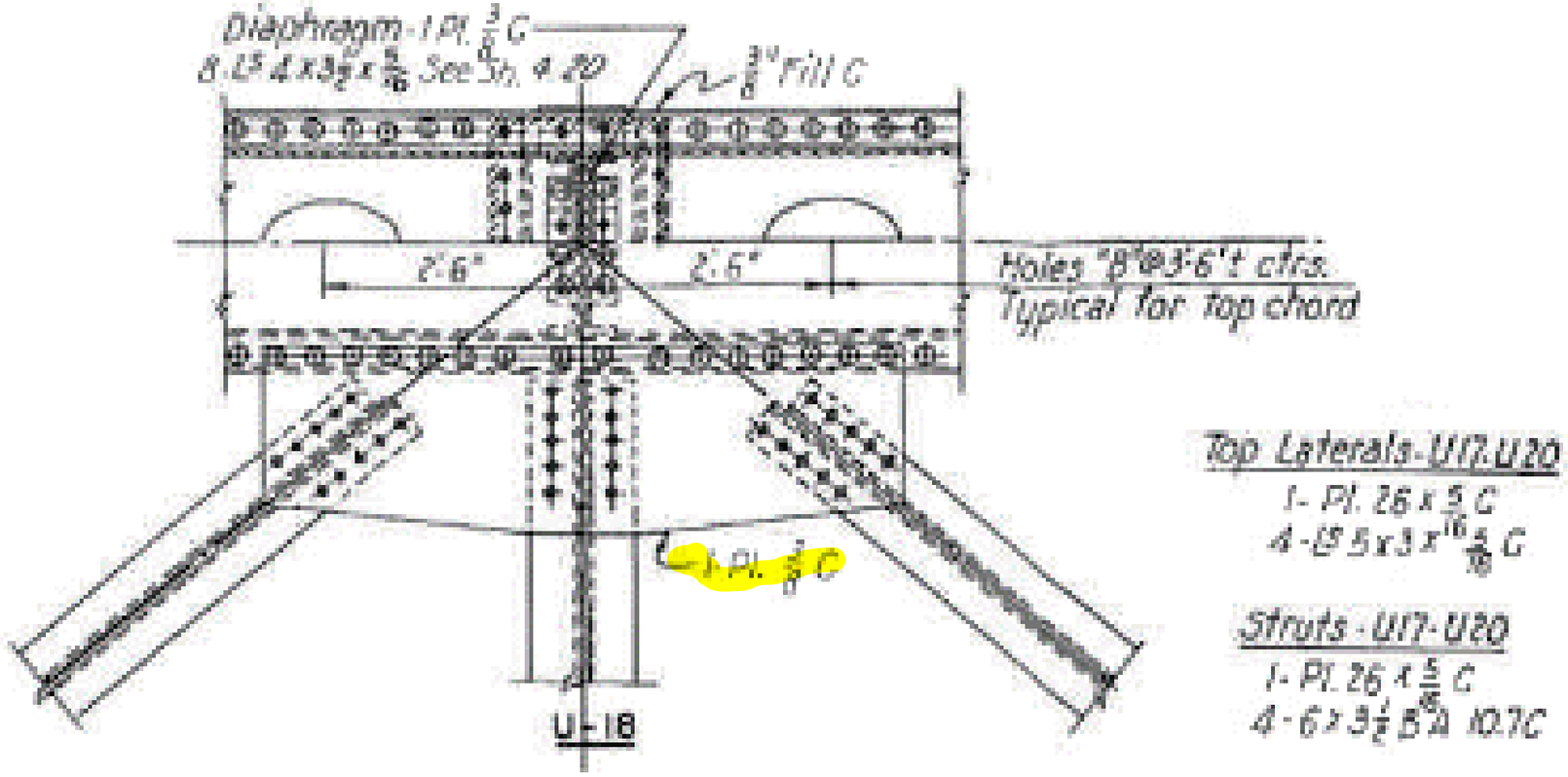
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U18

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1



Notes: Plan View

U22, U18 plate thickness verified

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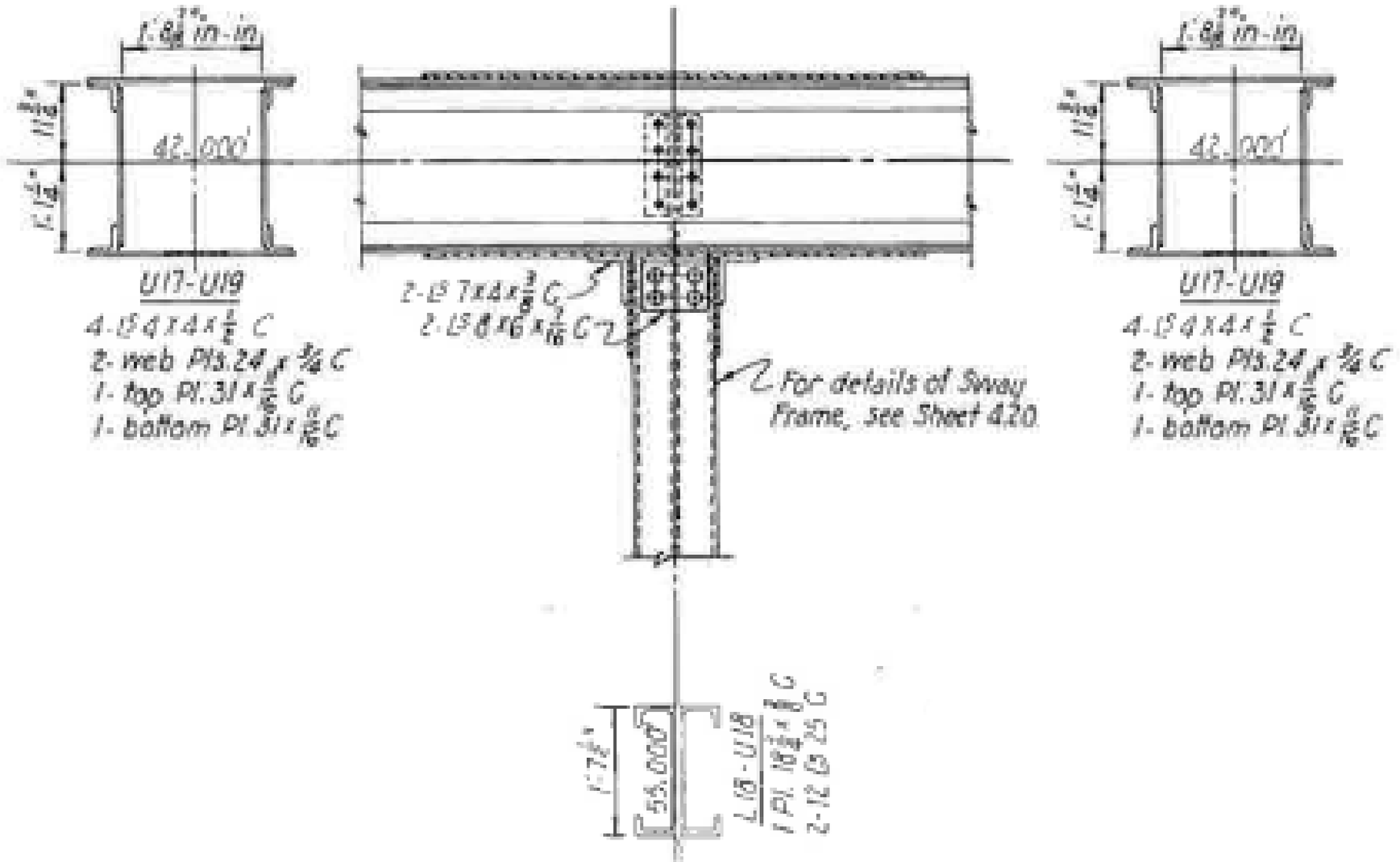
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 18_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U18

UP STREAM (US)

DOWN STREAM (DS)



Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

NO REMARKS - COMPLETE

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 19_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U19

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)

PHOTO: 553-557
PHOTO: 561-572

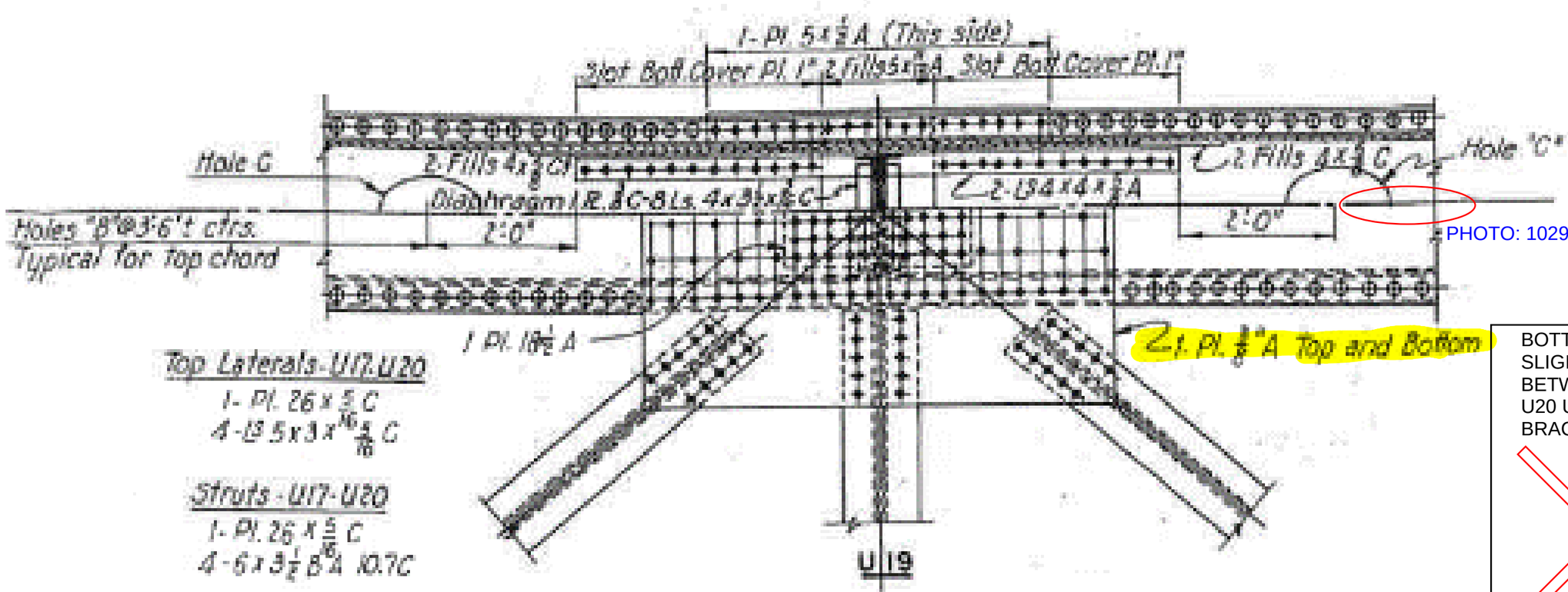

PHOTO: 1029

BOTTOM FLANGE HAS A SLIGHT DISTORTION BETWEEN THE U19 and U20 UPER CROSS BRACING

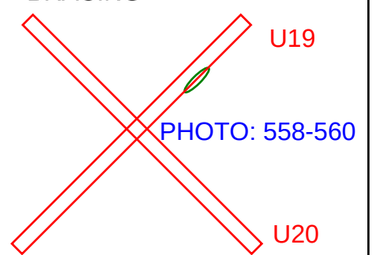

PHOTO: 558-560

Notes: Plan View

U19, 21 plate thickness verified

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 19_

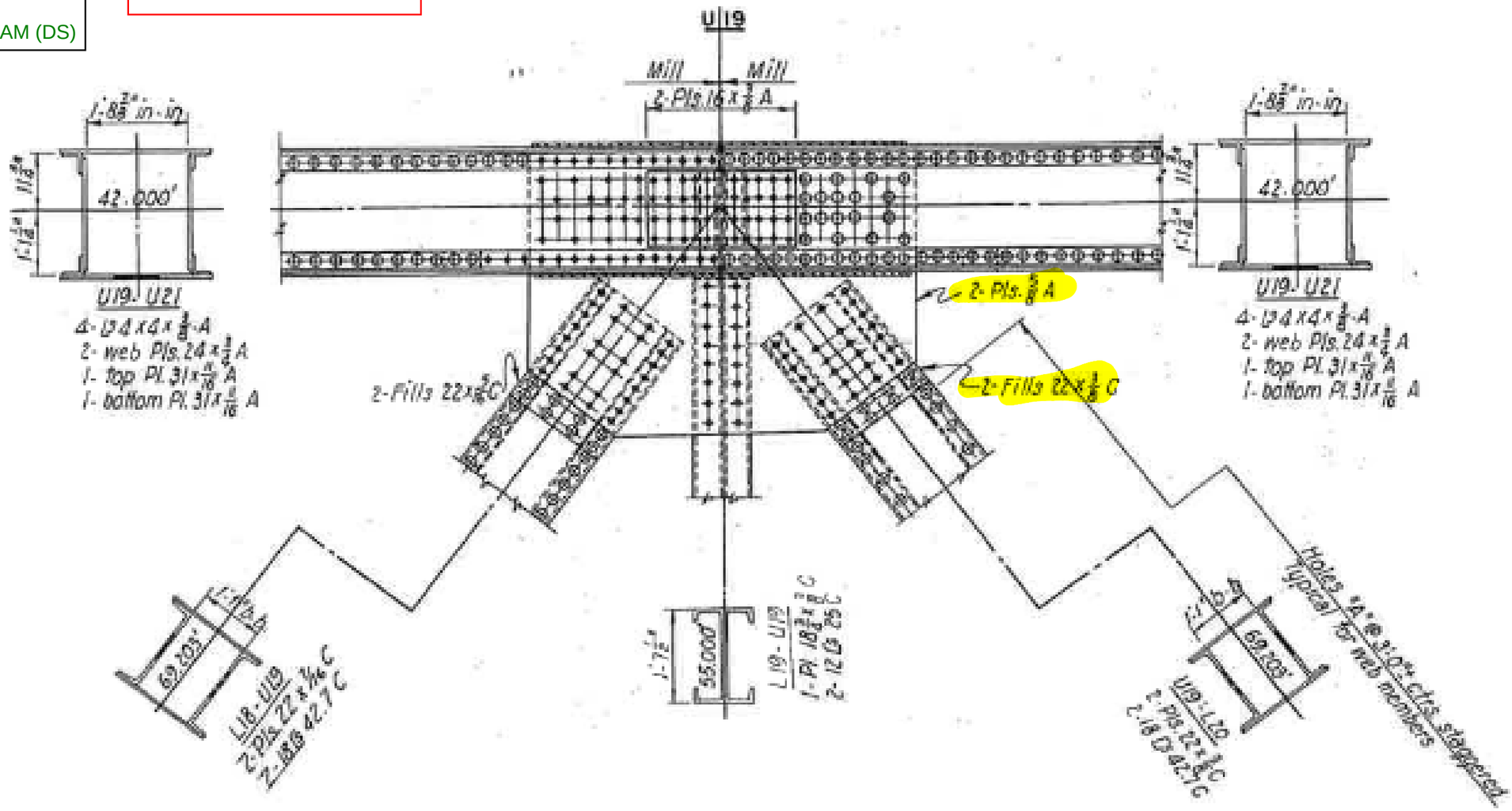
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U19

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

U19, 21 plate thickness verified

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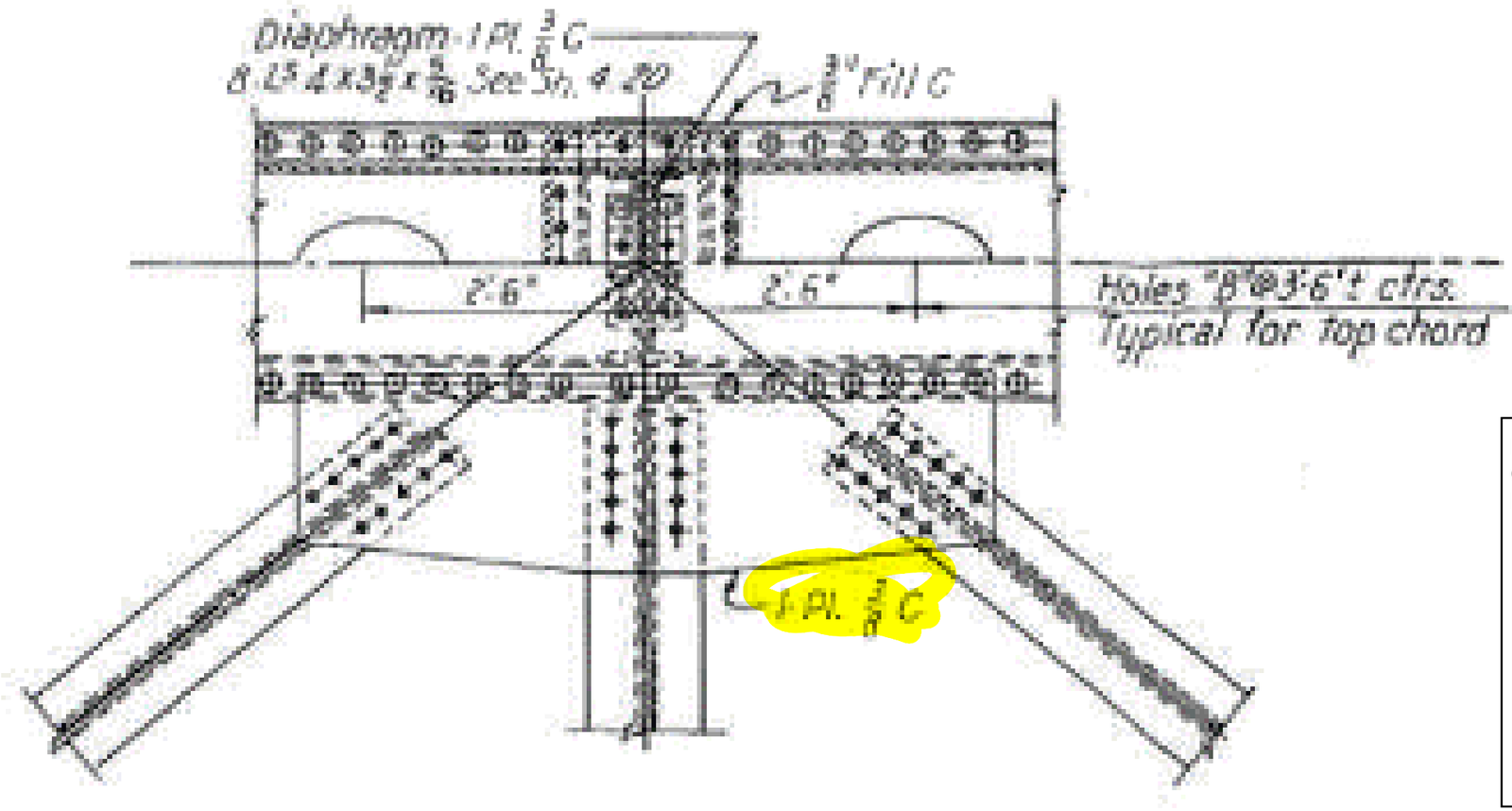
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 20_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U20

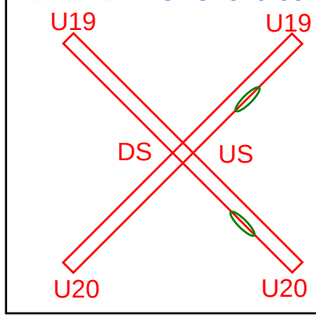
UP STREAM (US)

DOWN STREAM (DS)

PHOTO: 545-548



DISTORTED ANGLE ON CROSS MEMBERS BOTTOM FLANGE PHOTO: 549-552



Notes: Plan View

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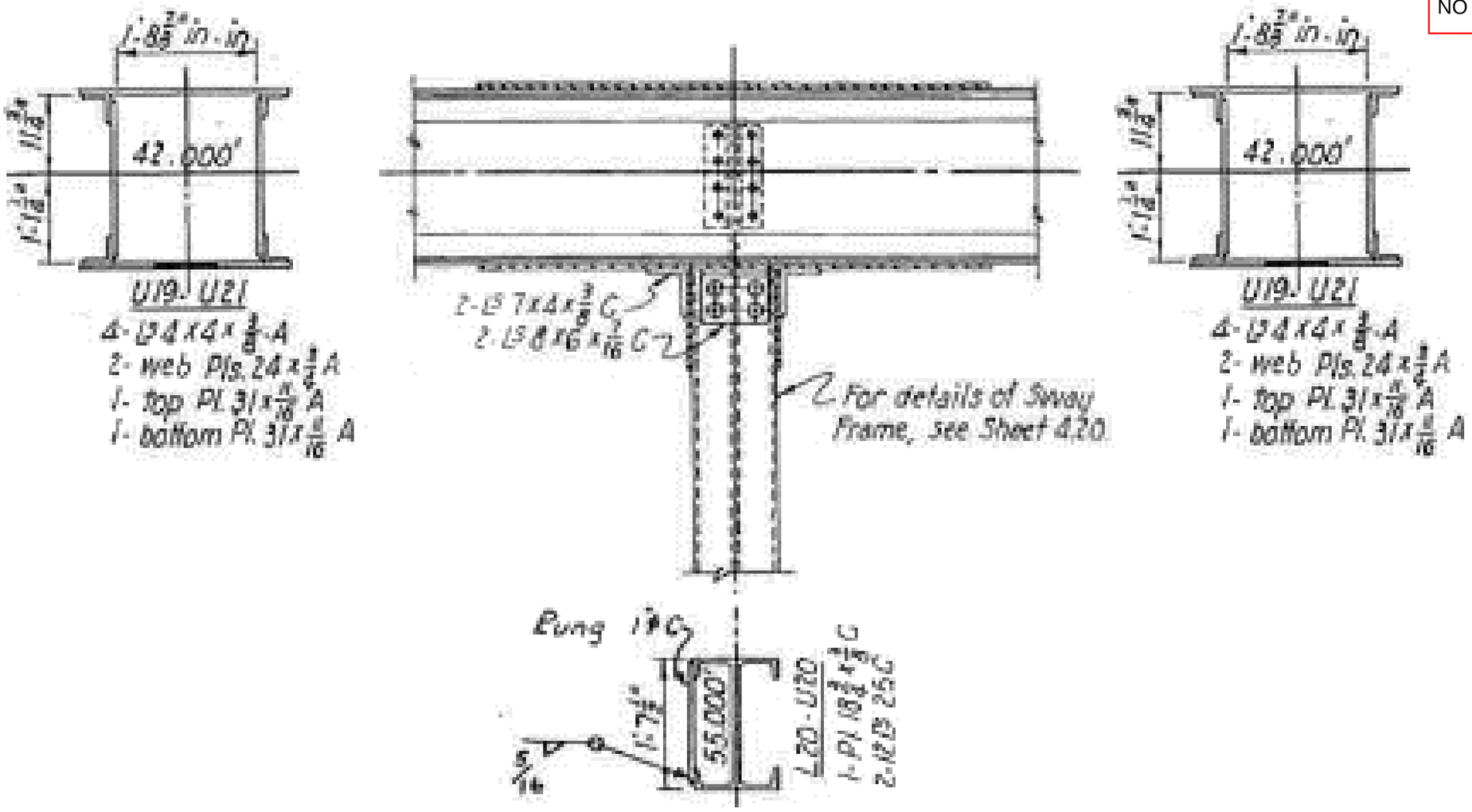
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: SFH/EB Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_U 20_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U20

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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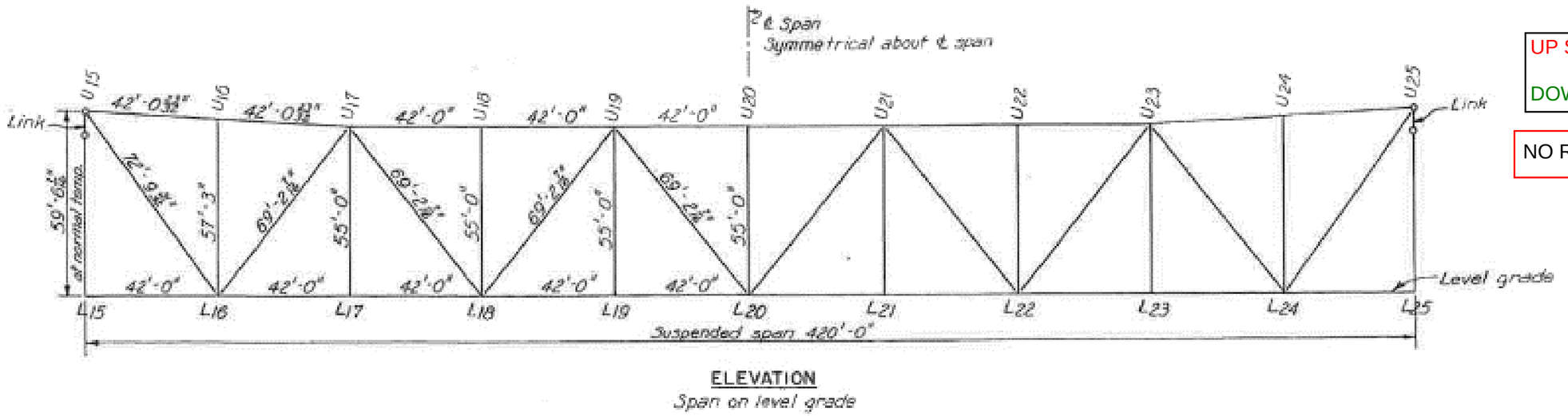
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _21-24_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Symmetrical Points 21-24



ELEVATION
Span on level grade

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

L21 Plan View Symmetrical With:	Plan View L19'!A1	L23 Plan View Symmetrical With:	Plan View L17'!A1
L21 Elevation View Symmetrical With:	Elevation View L19'!A1	L23 Elevation View Symmetrical With:	Elevation View L17'!A1
U21 Elevation View Symmetrical With:	Elevation View U19'!A1	U23 Elevation View Symmetrical With:	Elevation View U17'!A1
U21 Plan View Symmetrical With:	Plan View U19'!A1	U23 Plan View Symmetrical With:	Plan View U17'!A1
L22 Plan View Symmetrical With:	Plan View L18'!A1	L24 Plan View Symmetrical With:	Plan View L16'!A1
L22 Elevation View Symmetrical With:	Elevation View L18'!A1	L24 Elevation View Symmetrical With:	Elevation View L16'!A1
U22 Elevation View Symmetrical With:	Elevation View U18'!A1	U24 Elevation View Symmetrical With:	Elevation View U16'!A1
U22 Plan View Symmetrical With:	Plan View U18'!A1	U24 Plan View Symmetrical With:	Plan View U16'!A1

Notes: Symmetrical Points 21-24

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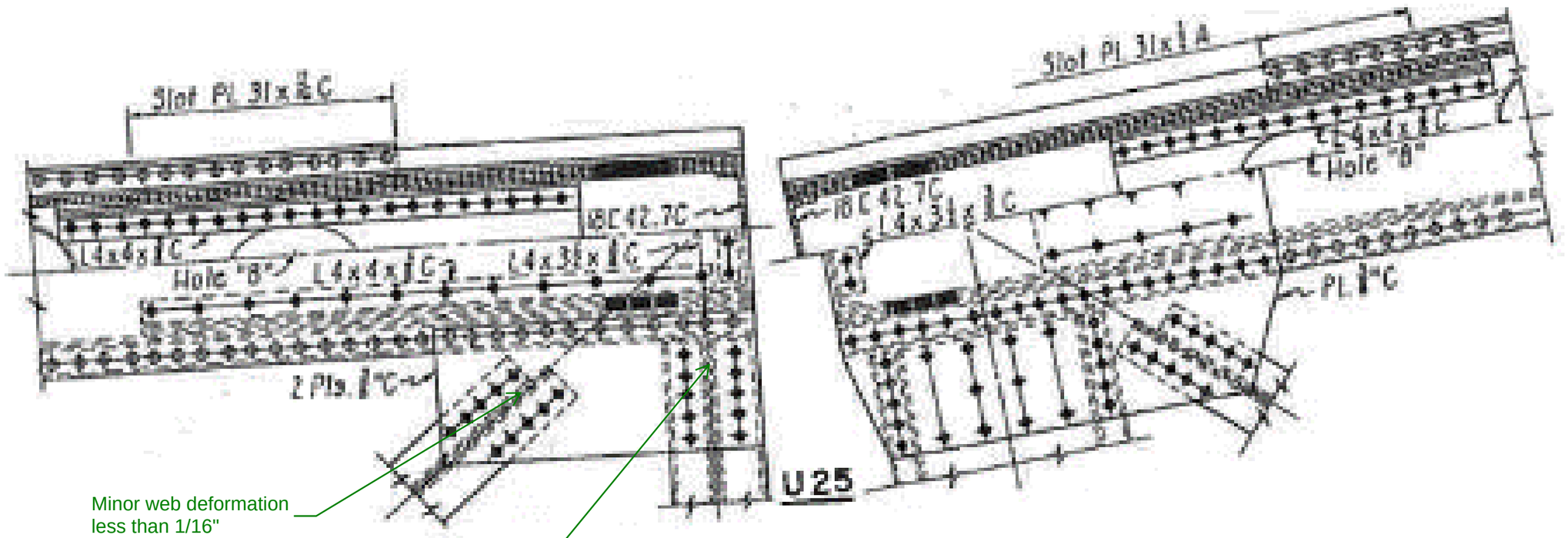
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U25

Span No. _2_ Truss location_U 25_

UP STREAM (US)

DOWN STREAM (DS)



Minor web deformation
less than 1/16"

5/8" max web buckling
top horizontal member
at web ends
Weld in web is 13.5"
from end of web 1/16" at
weld (See Sketch U15)

Notes: Plan View

Apparent rough field welded splice, all horz members.

Same notes for upstream.

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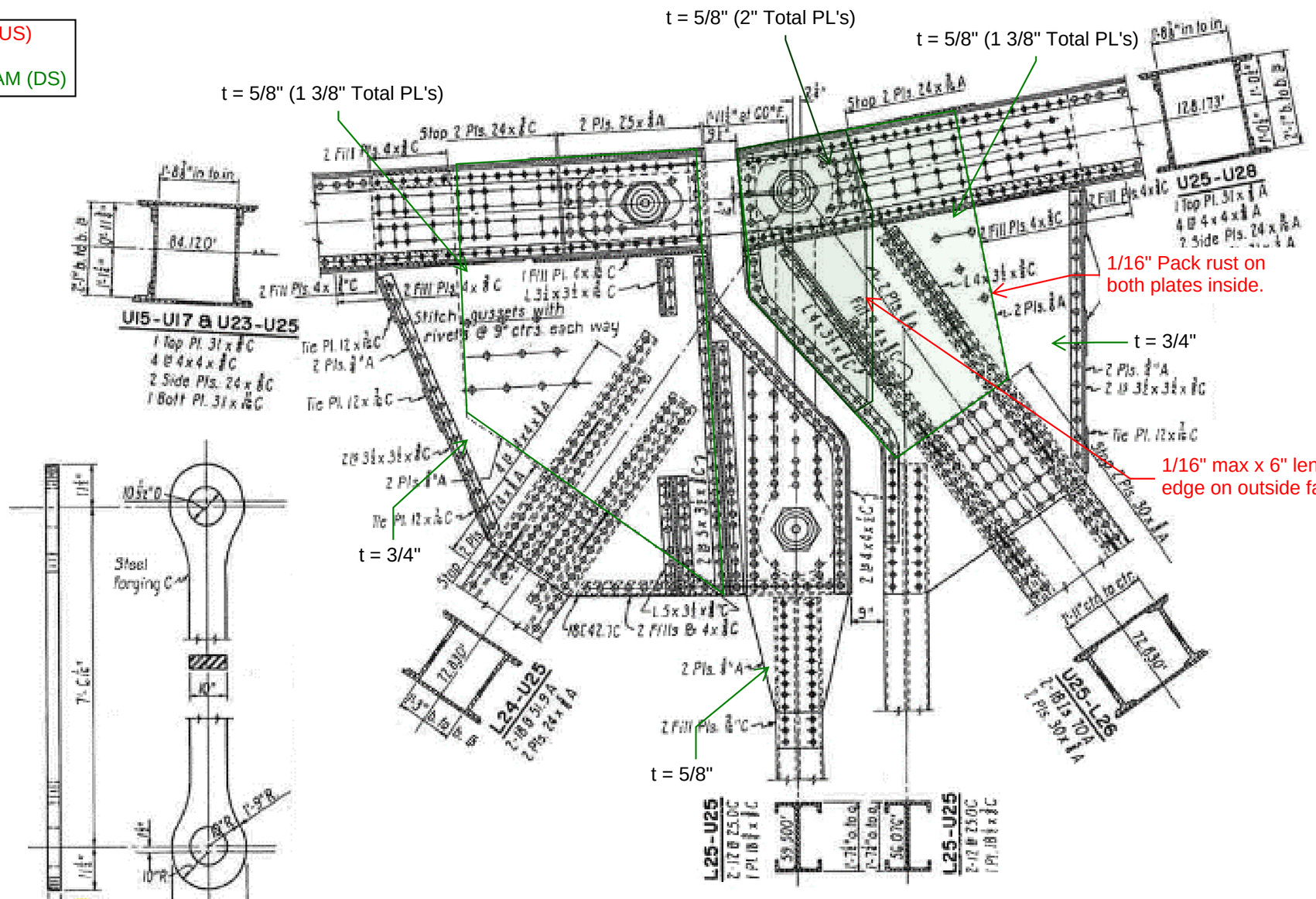
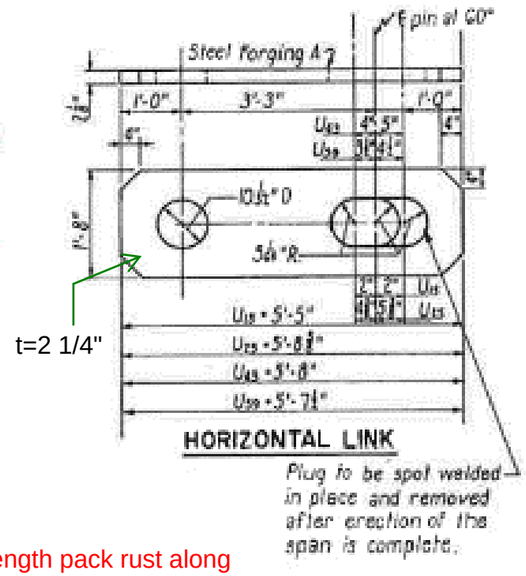
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ U 25_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U25

UP STREAM (US)

DOWN STREAM (DS)





Notes: Elevation View

Thicknesses match downstream side.

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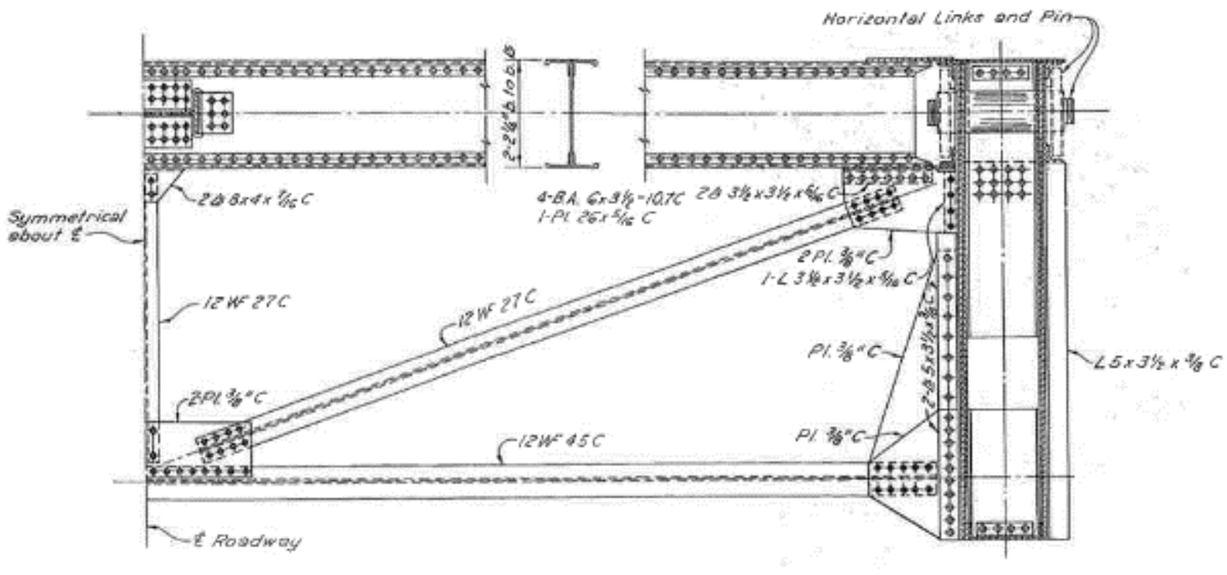
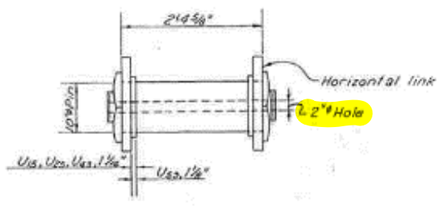
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location U 25

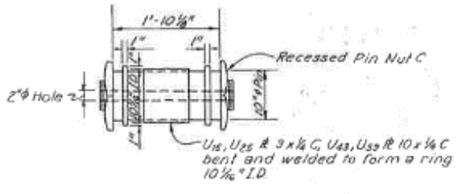
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U25 continued



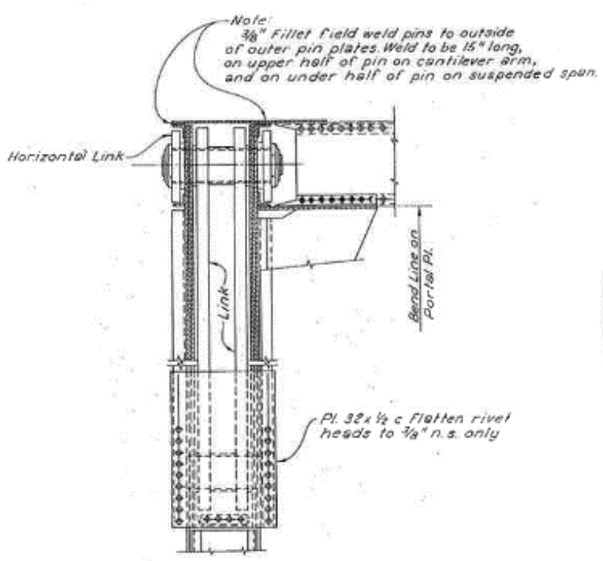
SECTION A-A



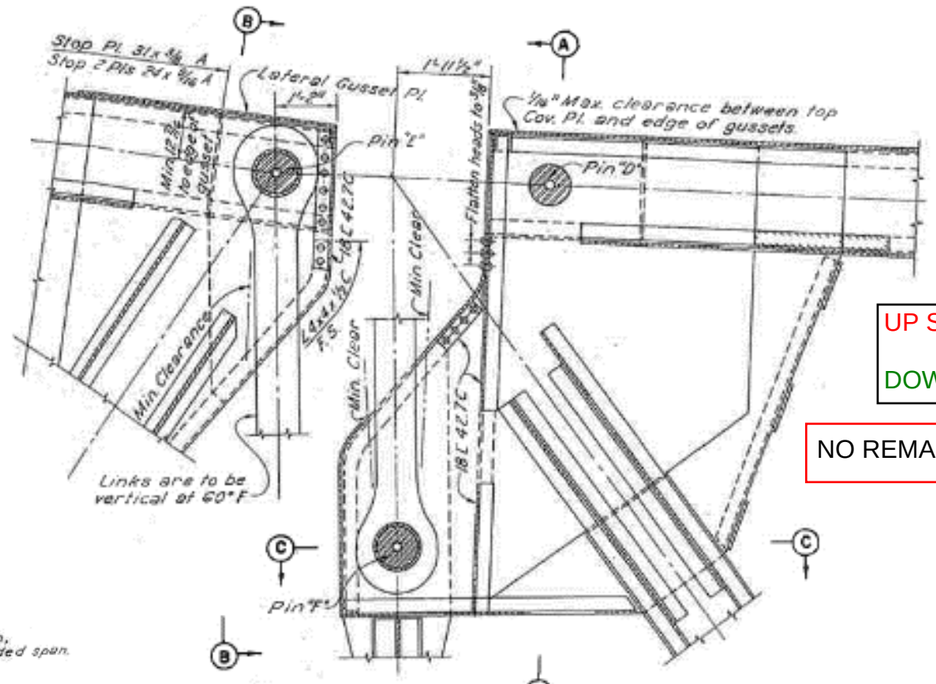
PIN "D" DETAIL



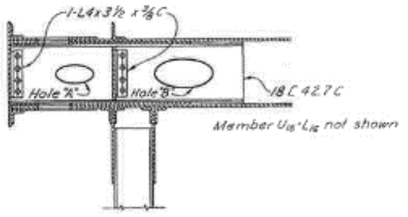
PIN "F" DETAIL



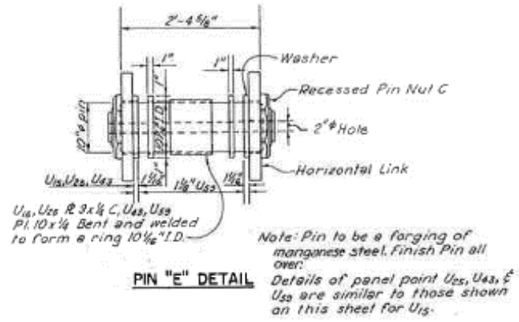
SECTION B-B



SECTION ON ℄ TRUSS AT U15



SECTION C-C



PIN "E" DETAIL

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Notes: Additional Details

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Symmetrical Points 26-31

Span No. 2-3 Truss location 26-31

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

11

L26 Plan View Symmetrical With:	Plan View L14'!A1
L26 Elevation View Symmetrical With:	Elevation View L14'!A1
U26 Elevation View Symmetrical With:	Elevation View U14'!A1
U26 Plan View Symmetrical With:	Plan View U14'!A1

L27 Plan View Symmetrical With:	Plan View L13'!A1
L27 Elevation View Symmetrical With:	Elevation View L13'!A1
M27 Elevation View Symmetrical with:	Elevation View M13'!A1
U27 Elevation View Symmetrical With:	Elevation View U13'!A1
U27 Plan View Symmetrical With:	Plan View U13'!A1

12

L28 Plan View Symmetrical With:	Plan View L12'!A1
L28 Elevation View Symmetrical With:	Elevation View L12'!A1
U28 Elevation View Symmetrical With:	Elevation View U12'!A1
U28 Plan View Symmetrical With:	Plan View U12'!A1

L29 Plan View Symmetrical With:	Plan View L11'!A1
L29 Elevation View Symmetrical With:	Elevation View L11'!A1
M29 Elevation View Symmetrical with:	Elevation View M11'!A1
U29 Elevation View Symmetrical With:	Elevation View U11'!A1
U29 Plan View Symmetrical With:	Plan View U11'!A1

10

L30 Plan View Symmetrical With:	Plan View L10'!A1
L30 Elevation View Symmetrical With:	Elevation View L10'!A1
U30 Elevation View Symmetrical With:	Elevation View U10'!A1
U30 Plan View Symmetrical With:	Plan View U10'!A1

L31 Plan View Symmetrical With:	Plan View L9'!A1
L31 Elevation View Symmetrical With:	Elevation View L9'!A1
M31 Elevation View Symmetrical with:	Elevation View M9'!A1
U31 Elevation View Symmetrical With:	Elevation View U9'!A1
U31 Plan View Symmetrical With:	Plan View U9'!A1

Notes: Symmetrical Points 26-31

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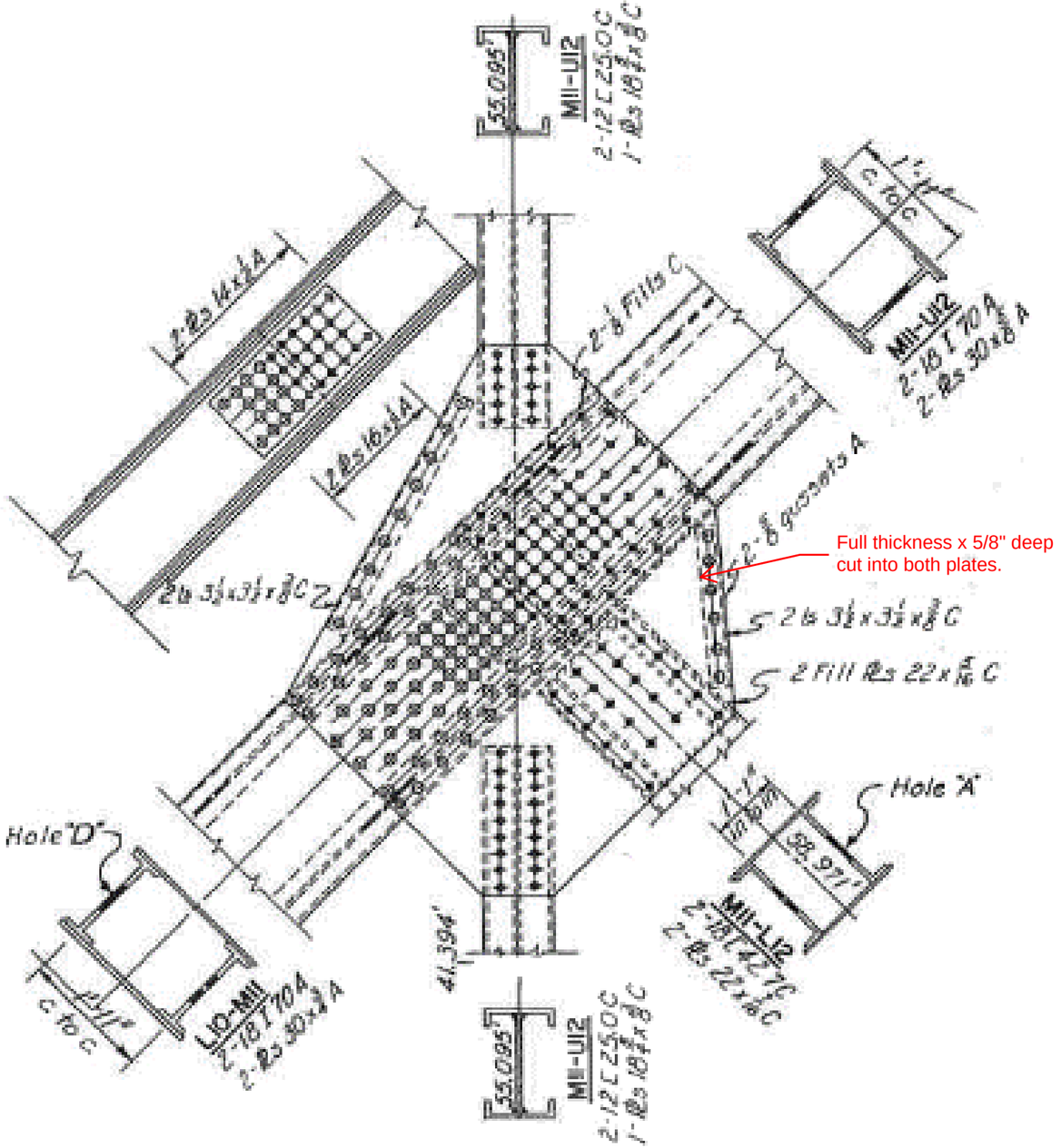
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _M29_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M11

UP STREAM (US)

DOWN STREAM (DS)



Back to M 51
Elevation View M51'!A1
Back to M 63
Elevation View M63'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

Notes: Elevation View

M29 plate thickness verified

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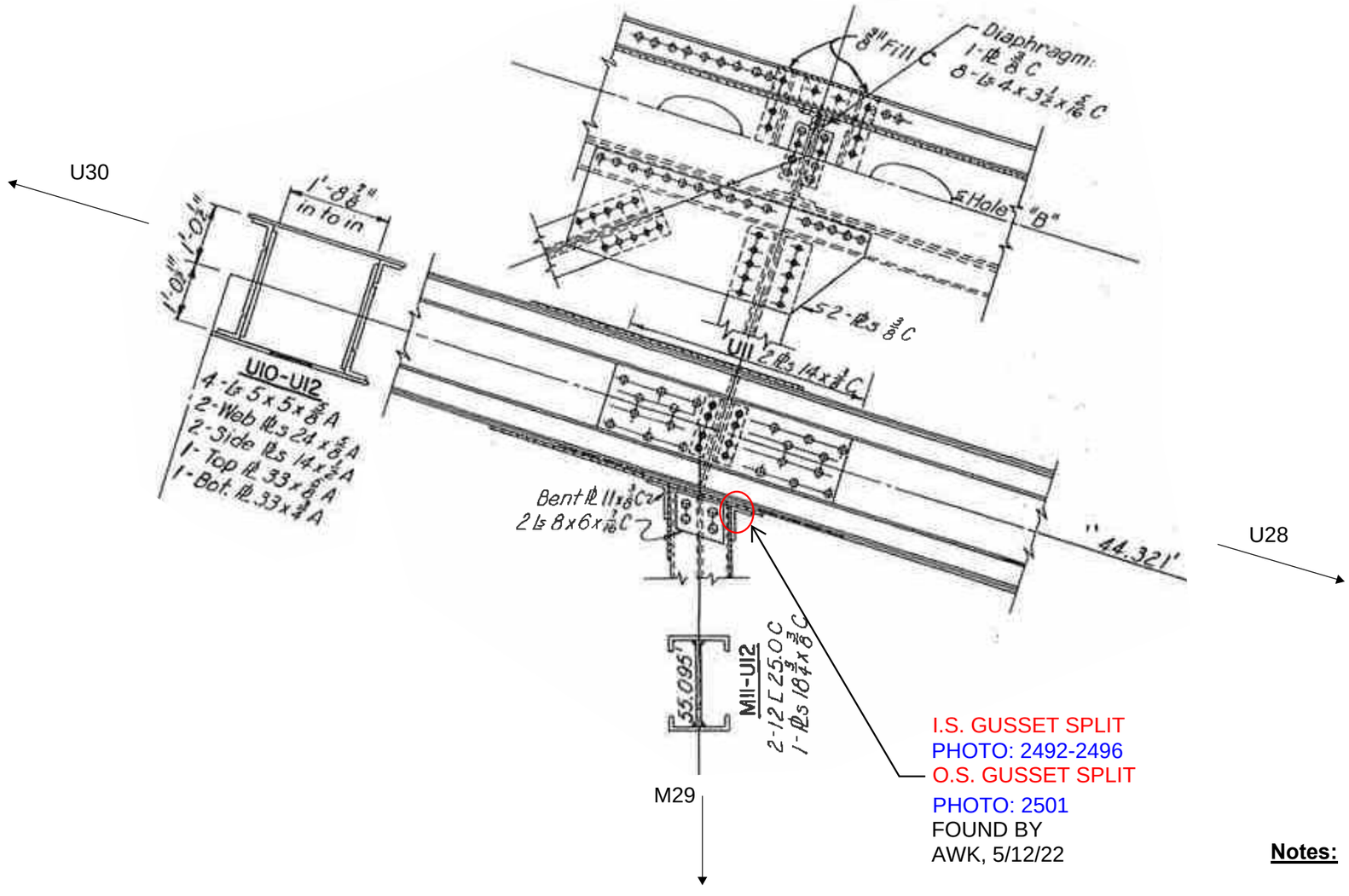
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location U29

UP STREAM (US)

DOWN STREAM (DS)

U11 IS SYMETRICAL WITH
U29 BUT OPPOSITE HAND



I.S. GUSSET SPLIT
PHOTO: 2492-2496
O.S. GUSSET SPLIT
PHOTO: 2501
FOUND BY
AWK, 5/12/22

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

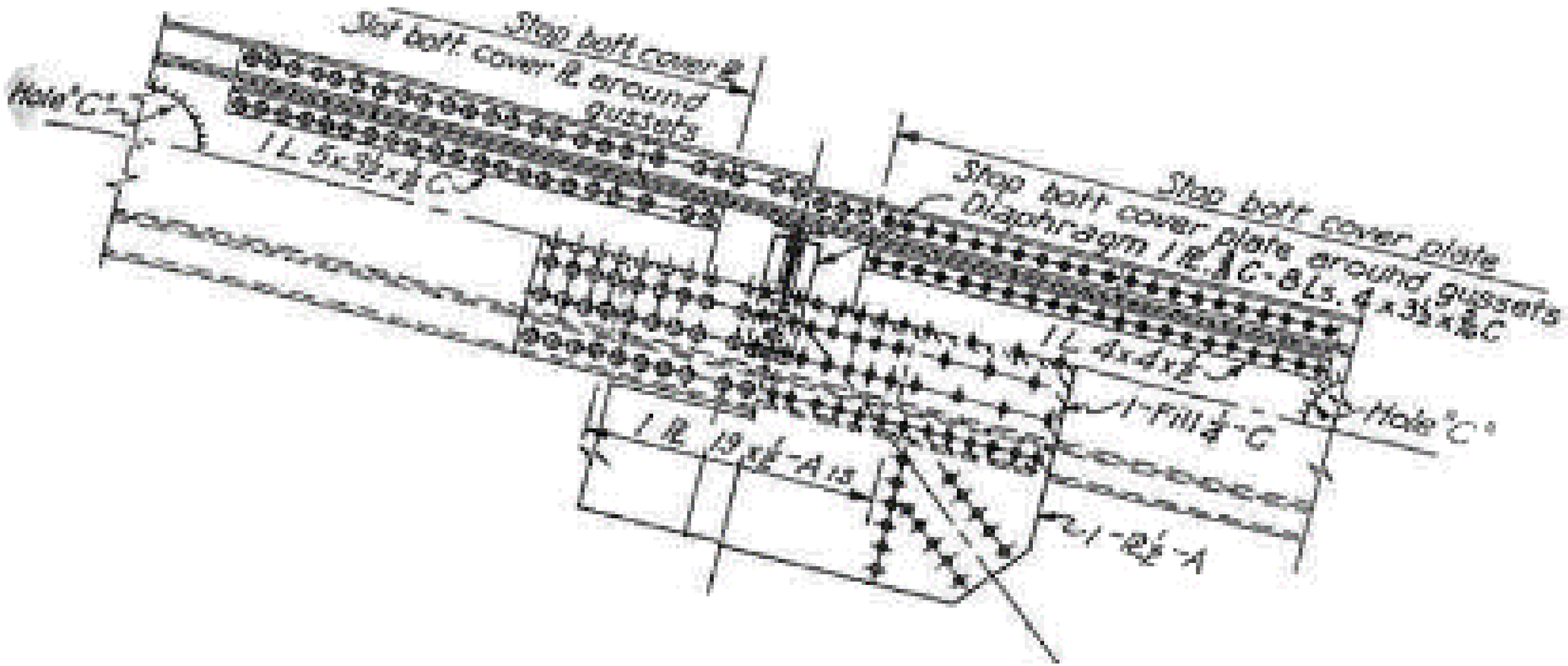
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U32

Span No. _3_ Truss location_ U 32_

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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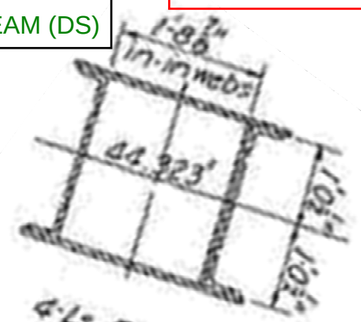
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location_U 32_

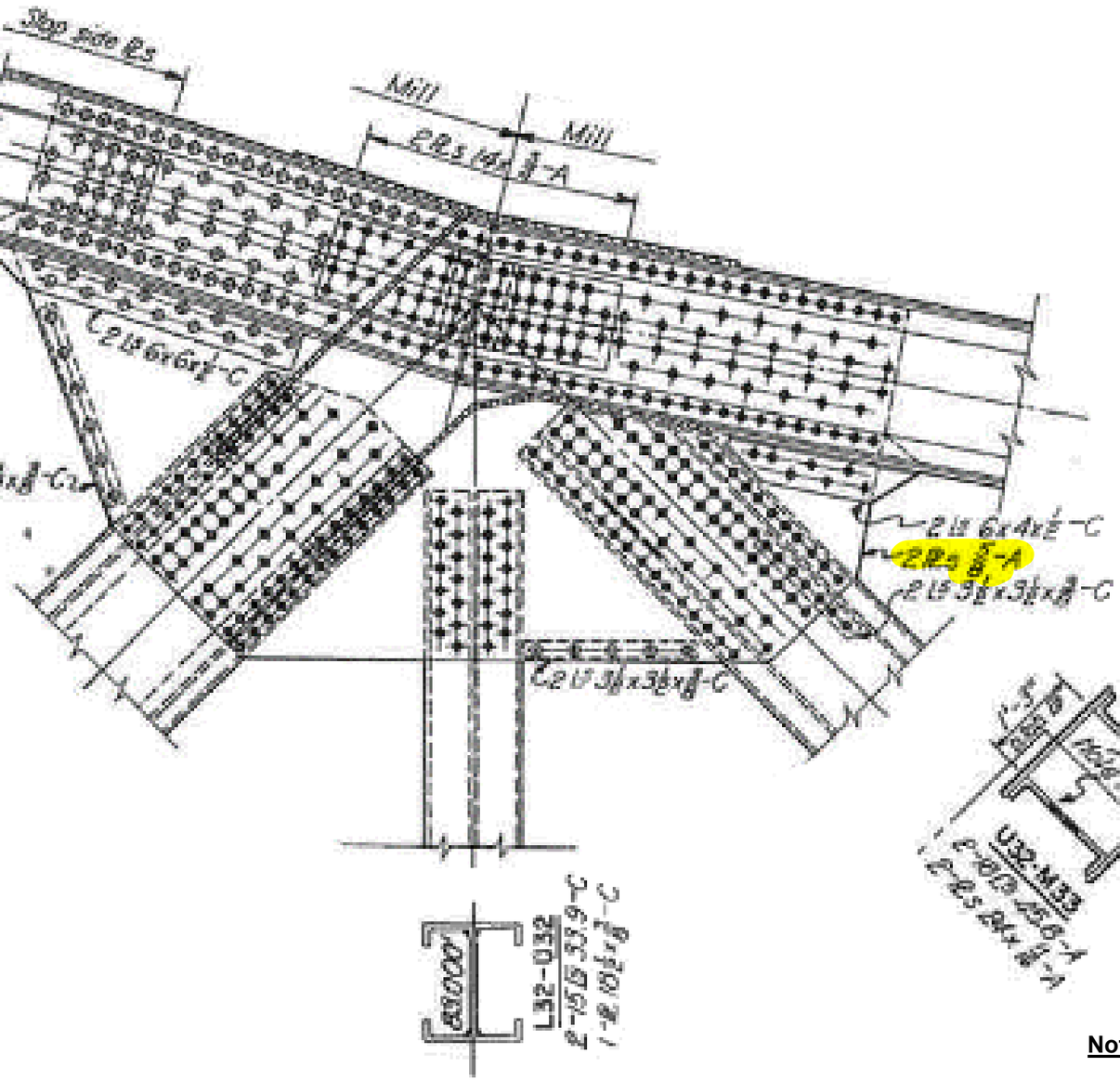
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U32

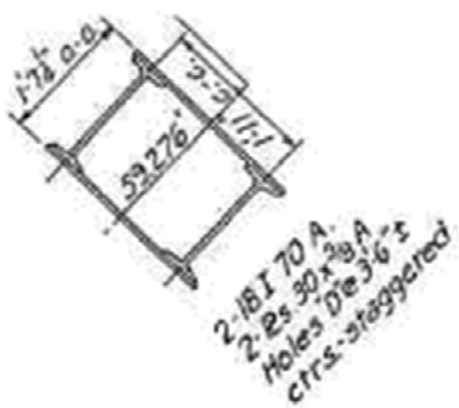
UP STREAM (US)

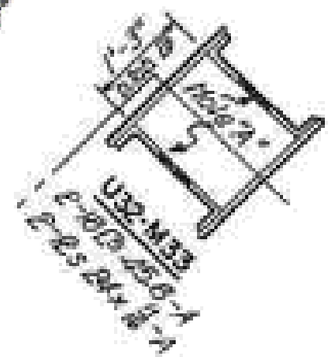
DOWN STREAM (DS)

NO REMARKS - COMPLETE









Notes: Elevation View

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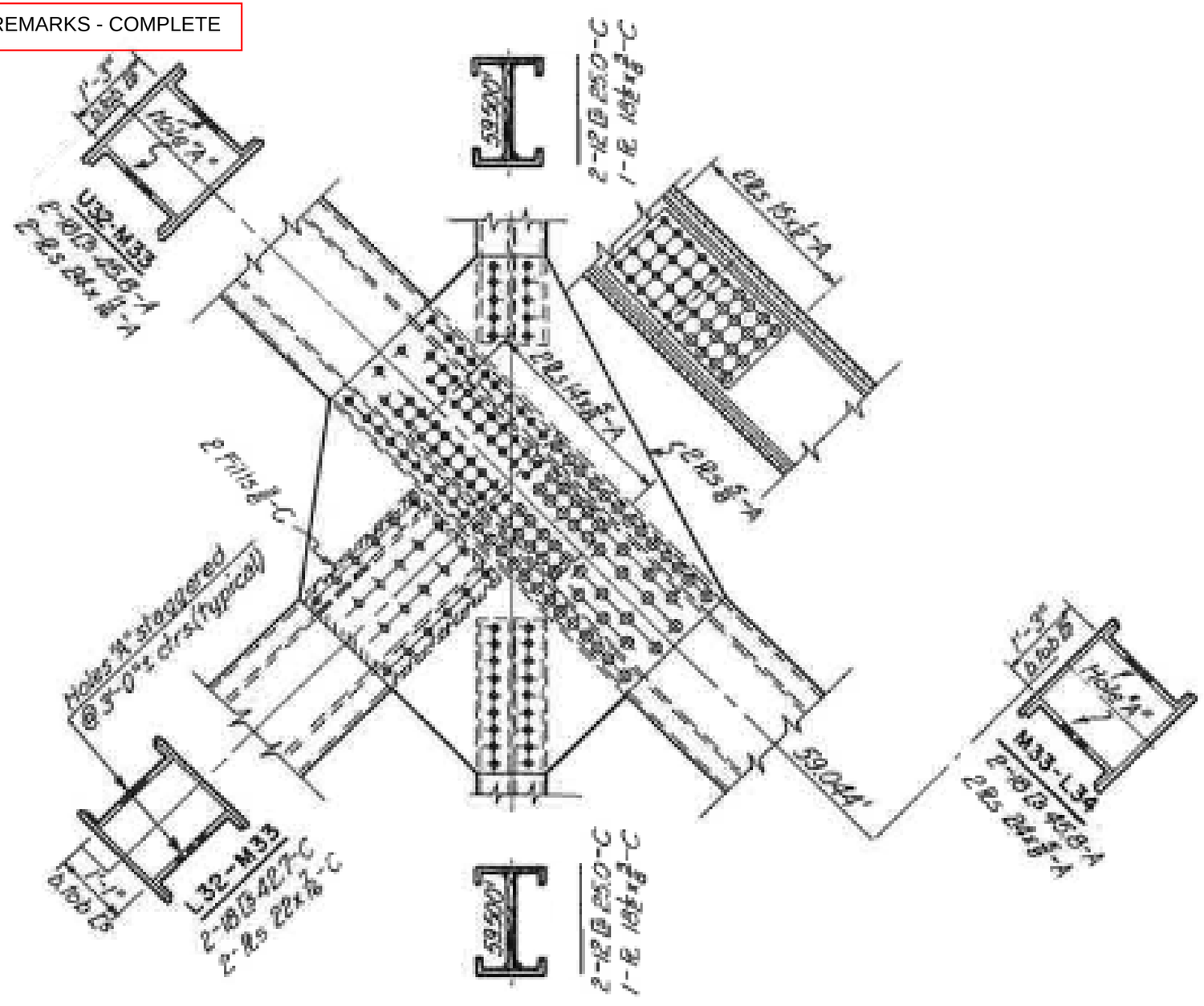
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location _M 33_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M33

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

All built up boxes inside faces peeling paint, surface rust initiating

Same notes for upstream.

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

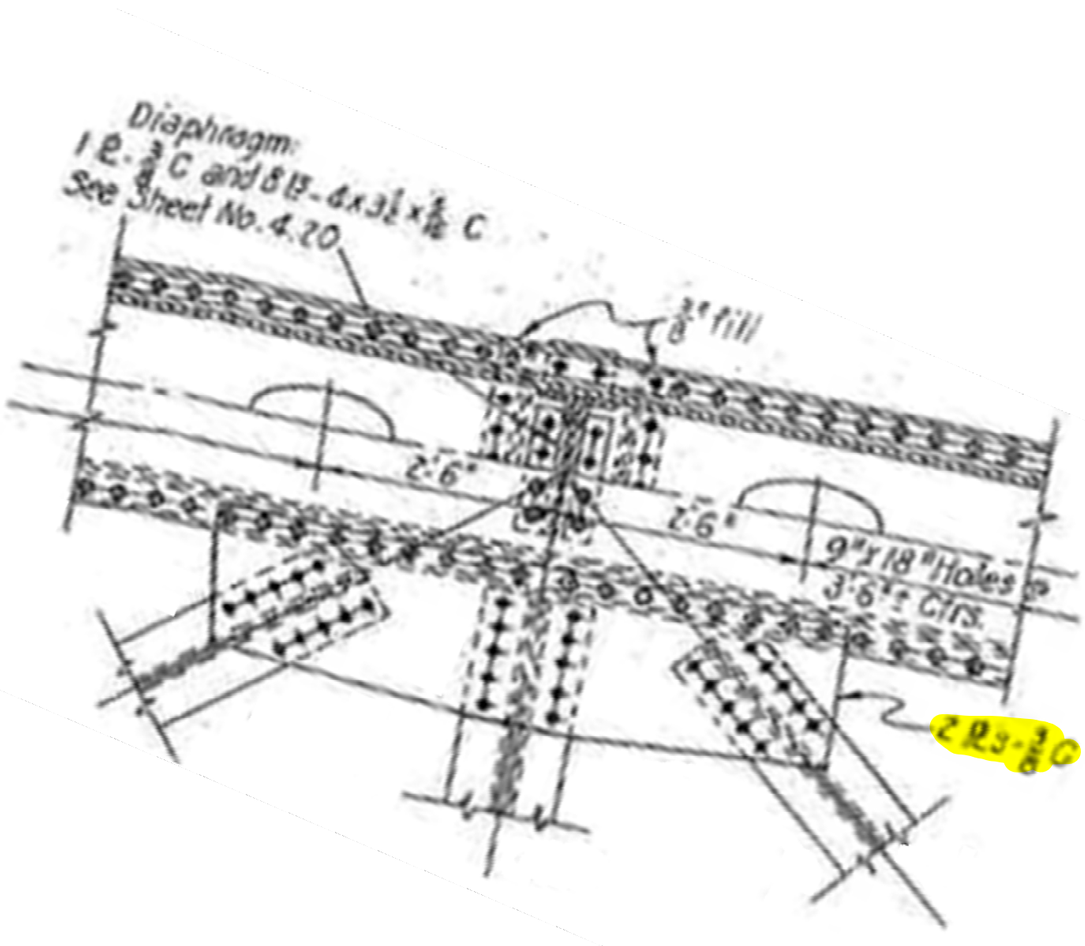
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U33

Span No. 3 Truss location U 33

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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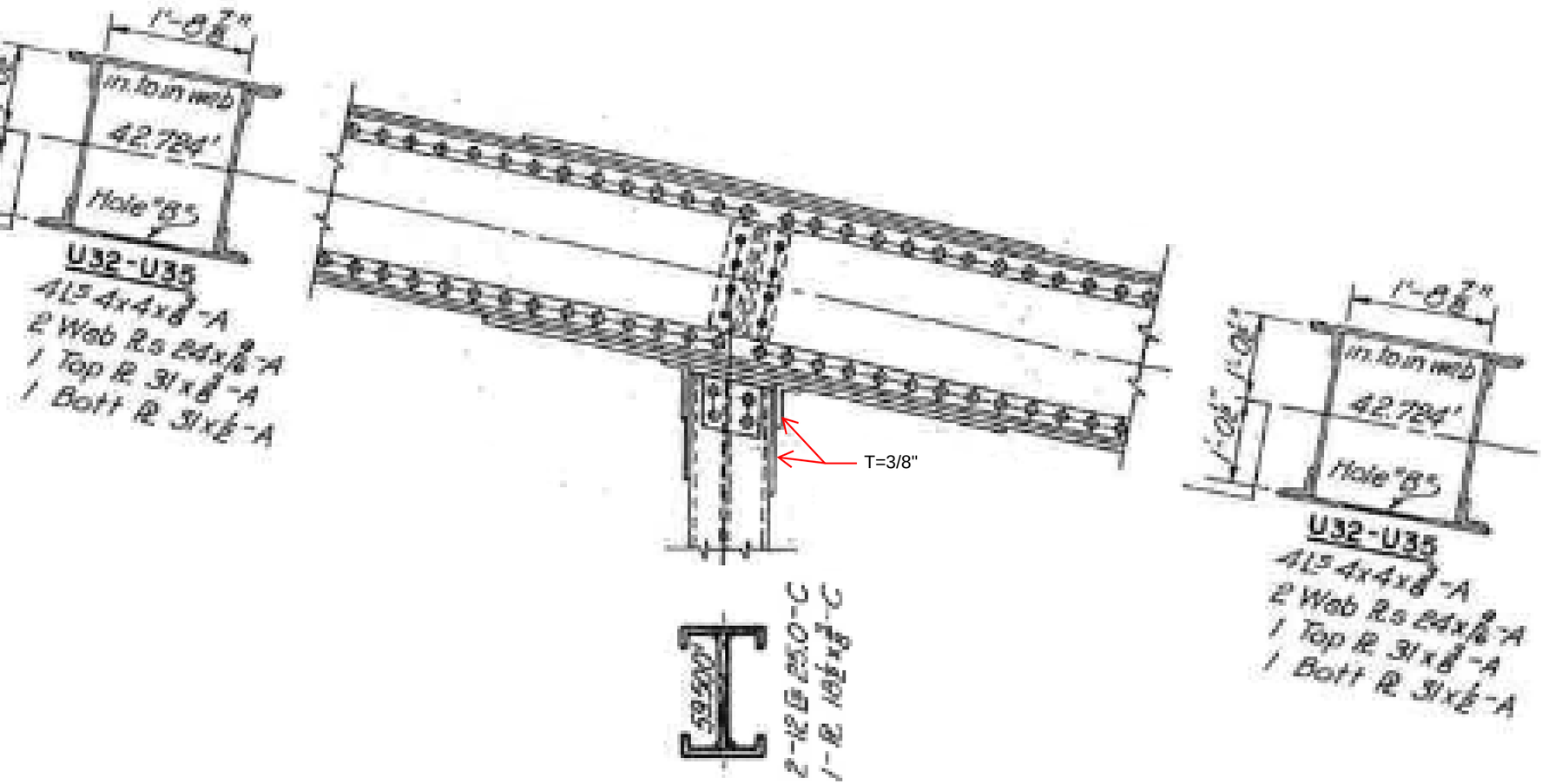
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 33

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U33

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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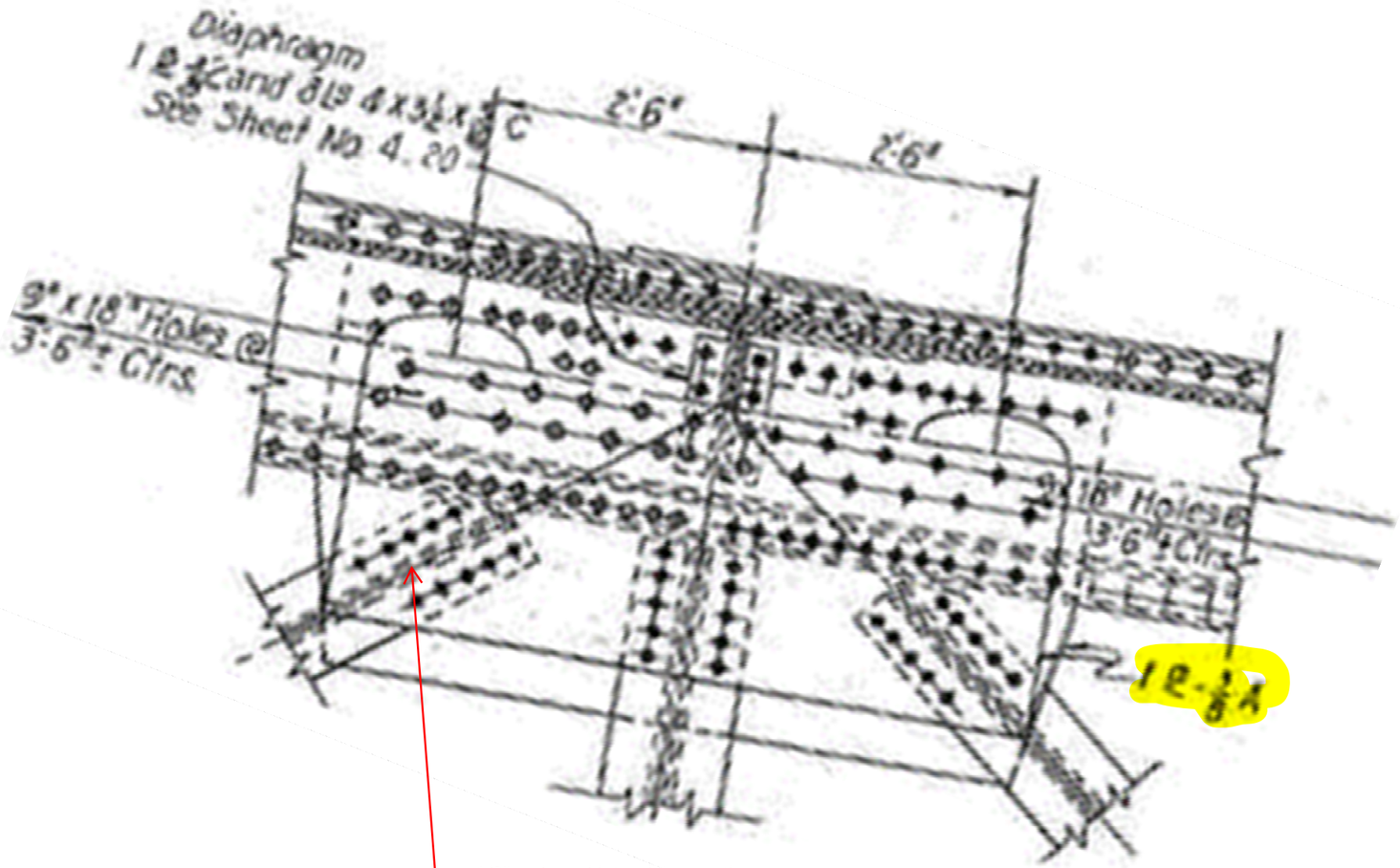
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U34

Span No. _3_ Truss location_U 34_

UP STREAM (US)

DOWN STREAM (DS)



1/8" web and lateral connection plate deformation plate deformation likely from construction.

Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

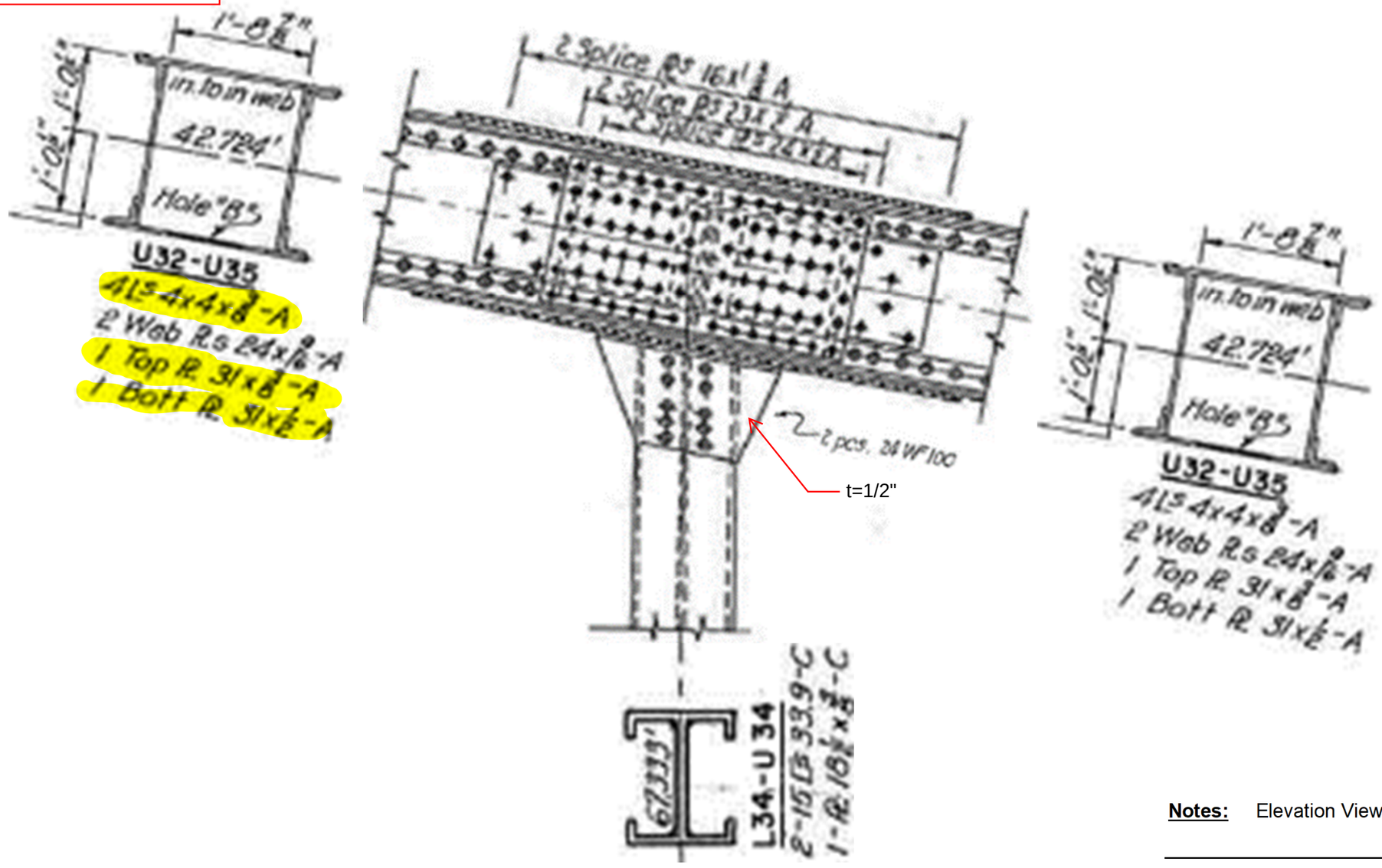
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U34

Span No. _3_ Truss location_U 34_

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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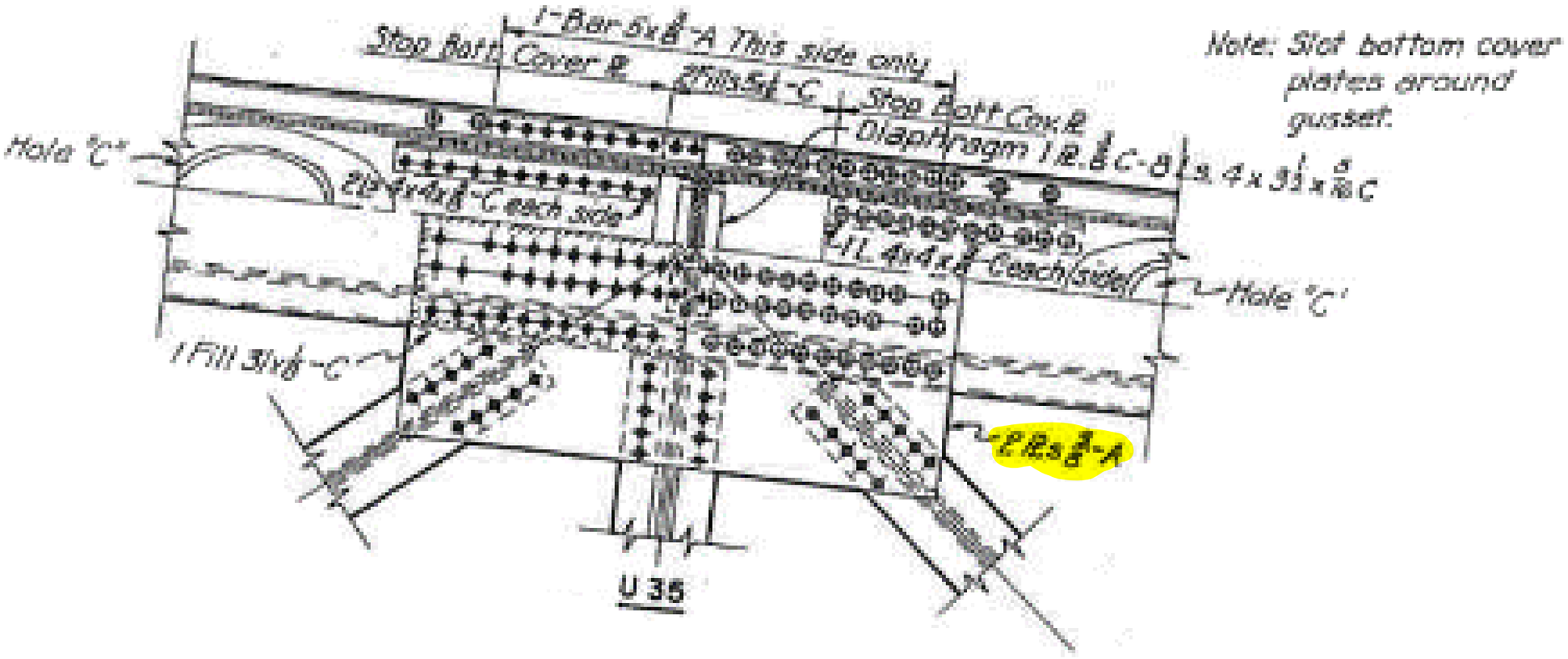
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location _U 35_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U35

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation

Sheet No. _____ of _____

Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22

Checked by: _____ Date: _____

Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U35

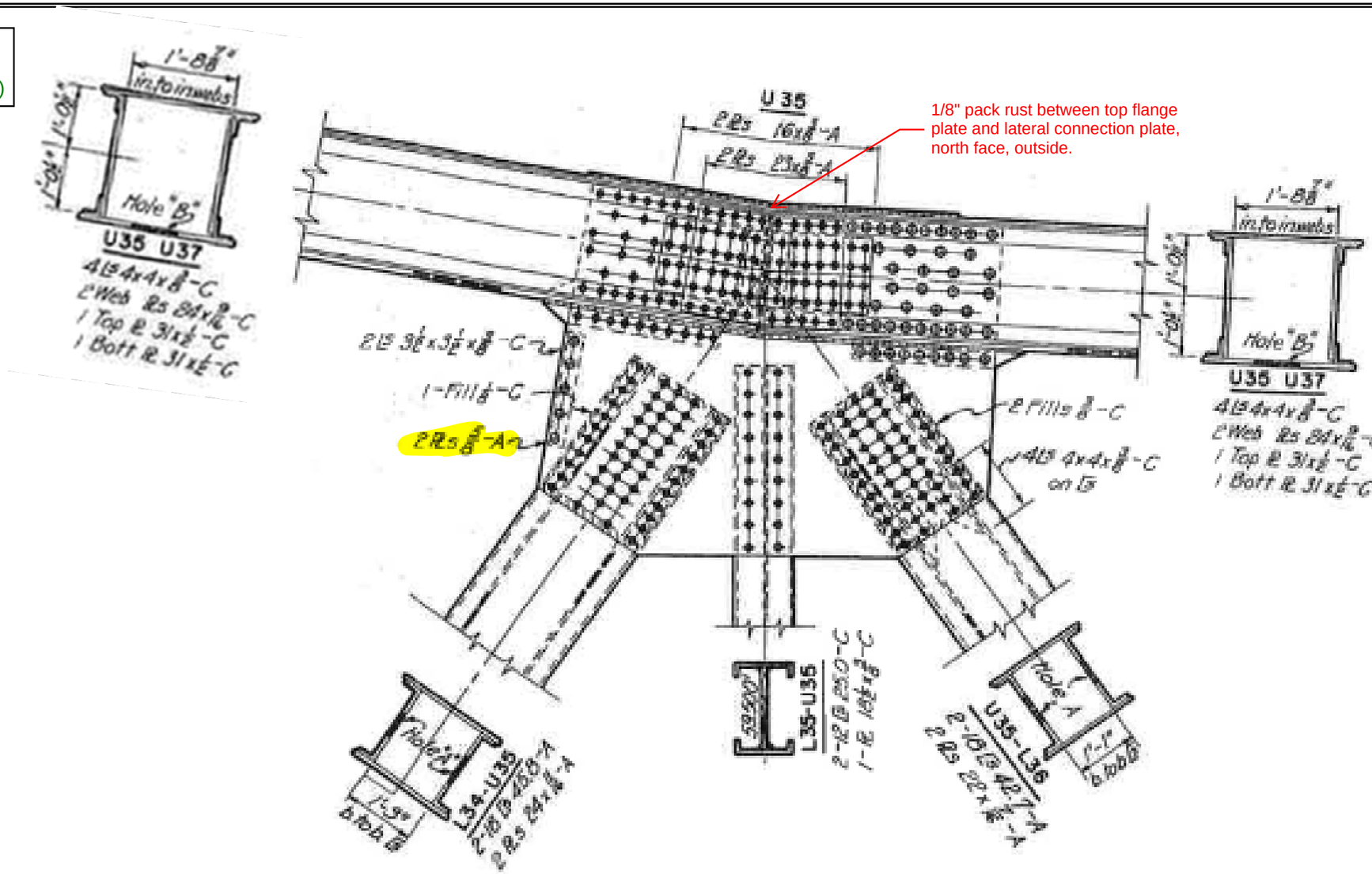
Span No. _3_ Truss location_U 35_

UP STREAM (US)

DOWN STREAM (DS)

Back to U53

Elevation View U53'!A1



Notes: Elevation View

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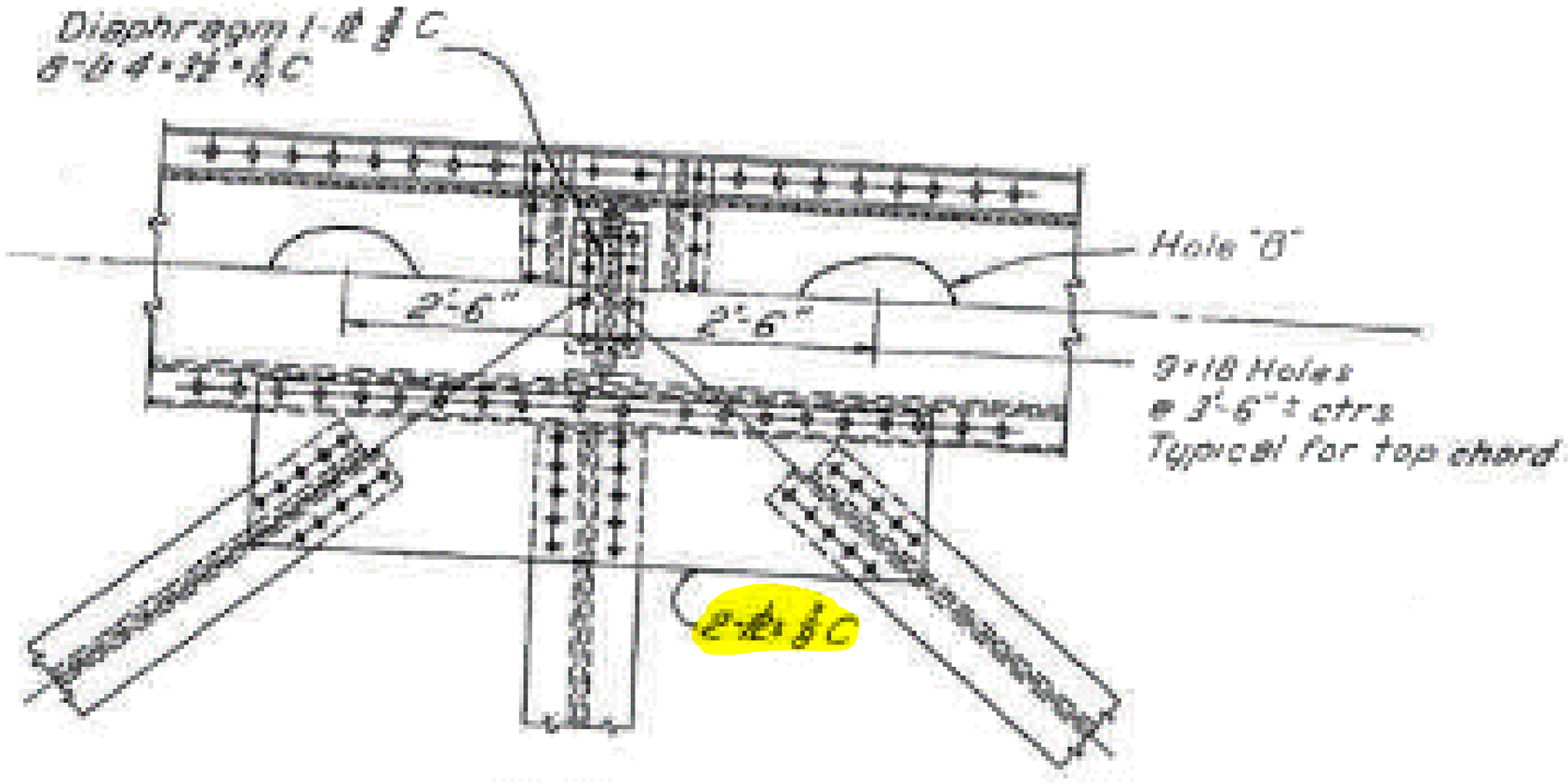
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location _U 36_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U36

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



U 36

Notes: Plan View

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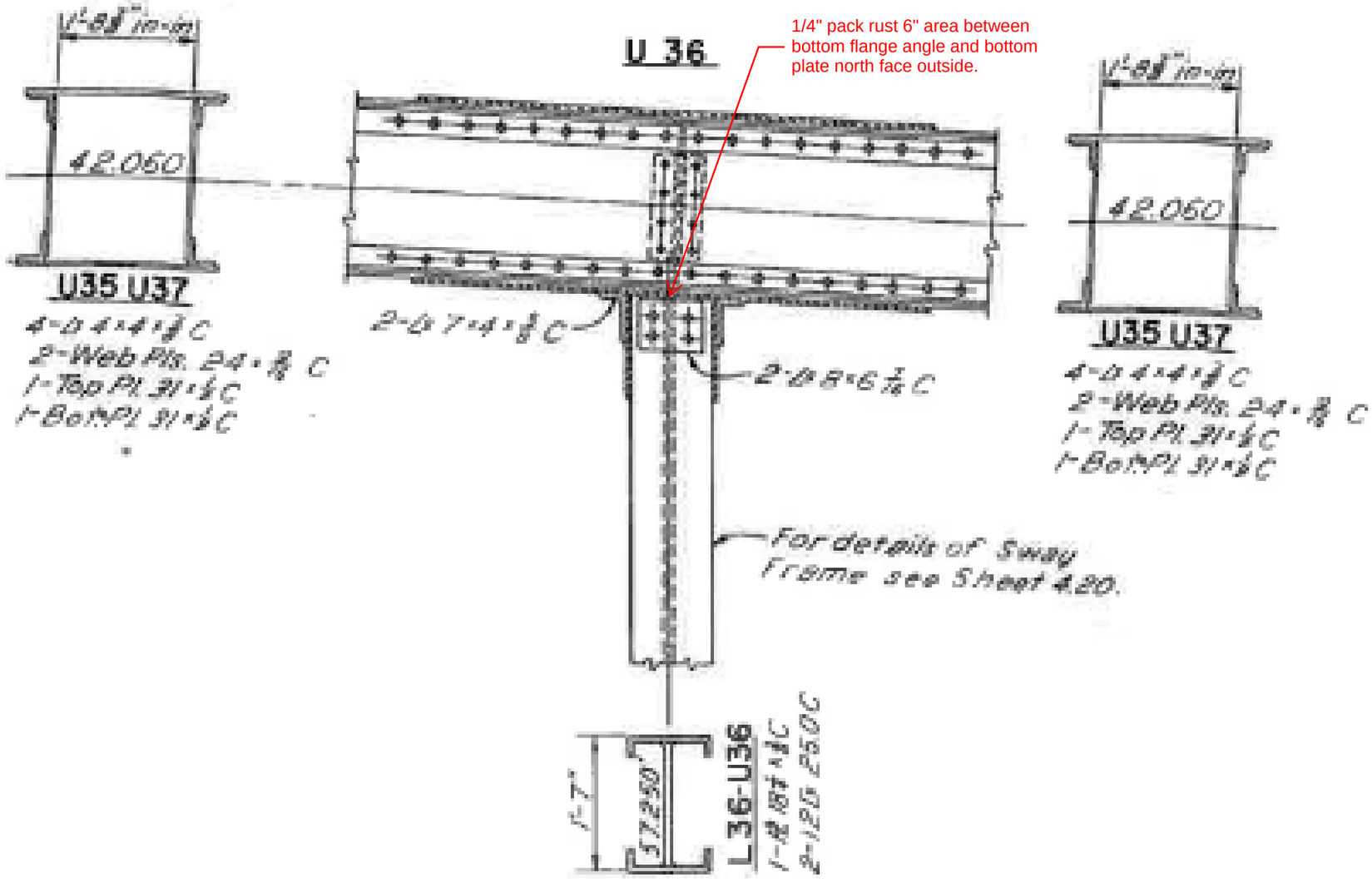
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location_U 36_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U36

UP STREAM (US)

DOWN STREAM (DS)



Back to U 54

Elevation View U54'!A1

Notes: Elevation View

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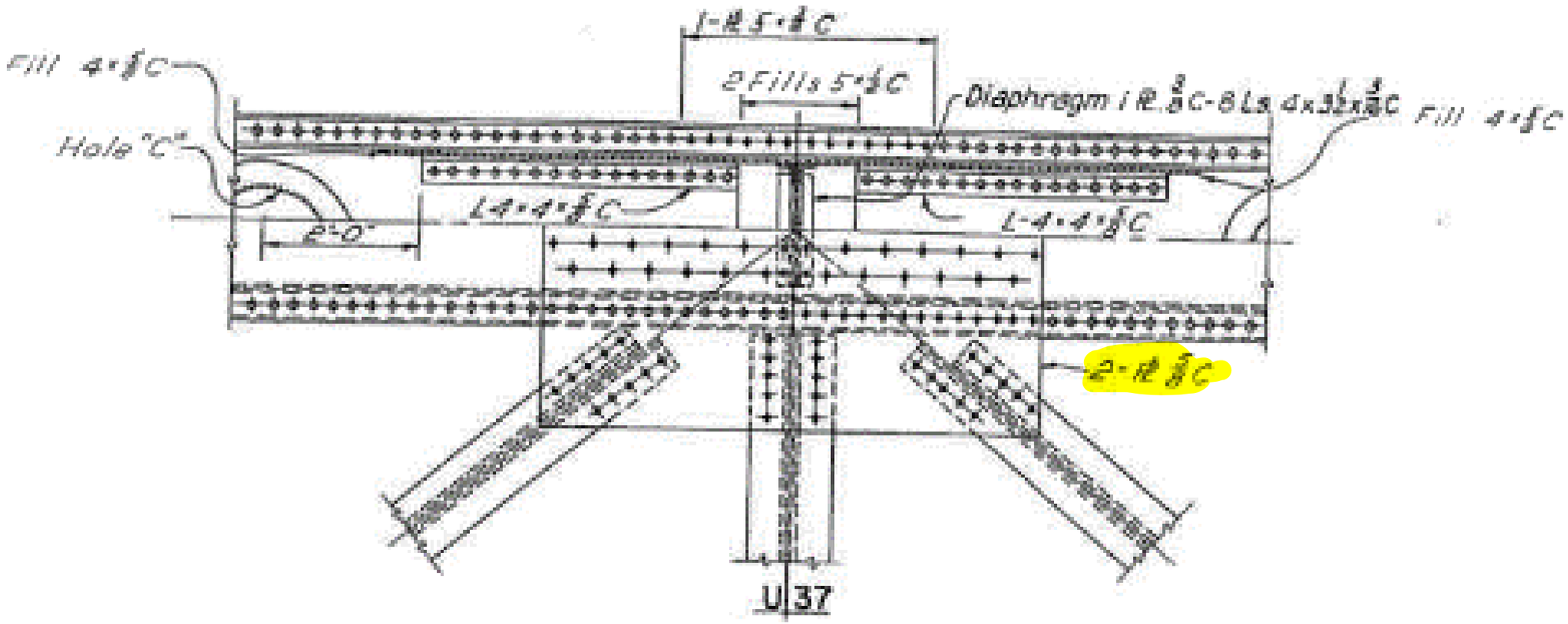
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location _U 37_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U37

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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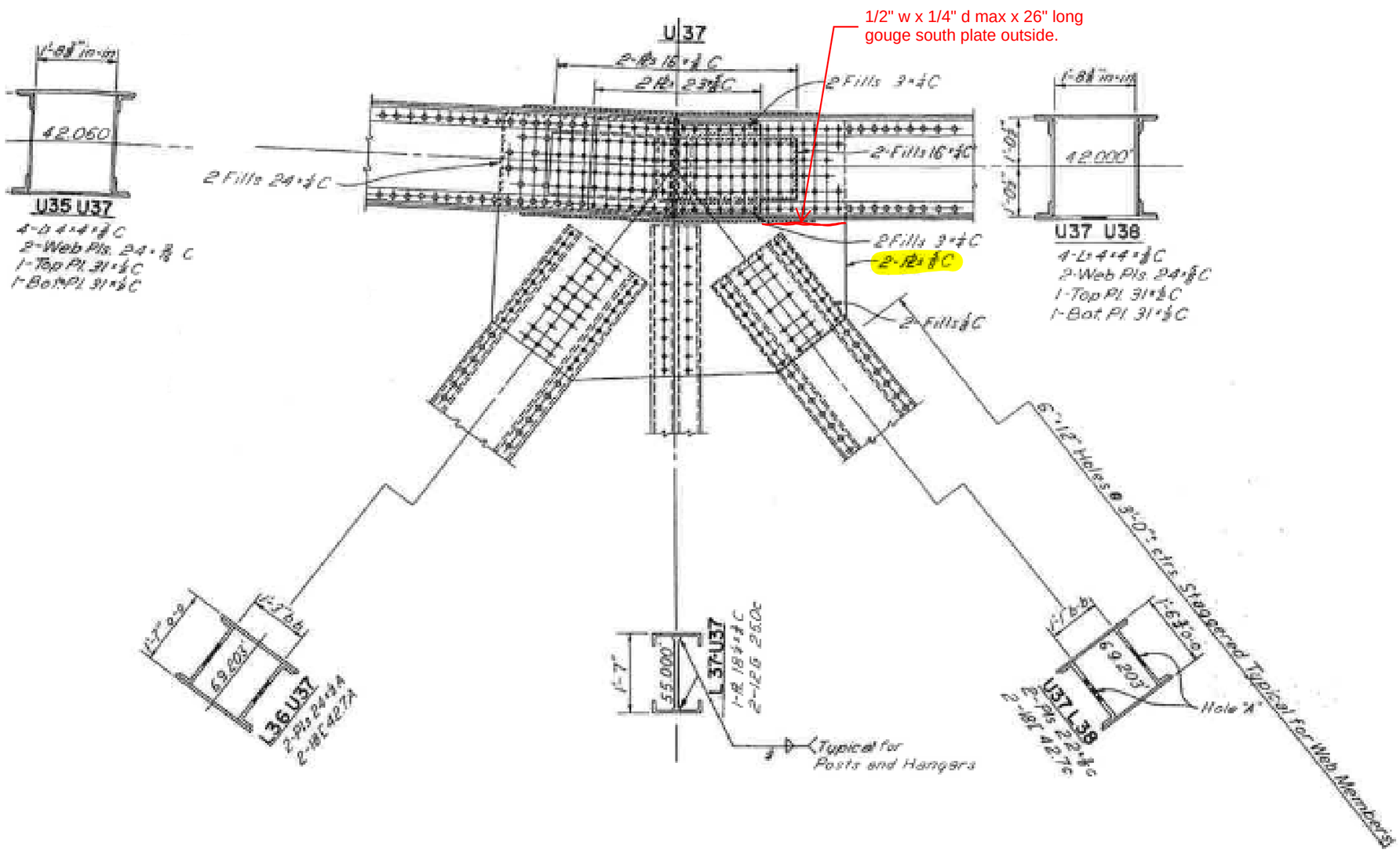
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U37

Span No. _3_ Truss location_U 37_

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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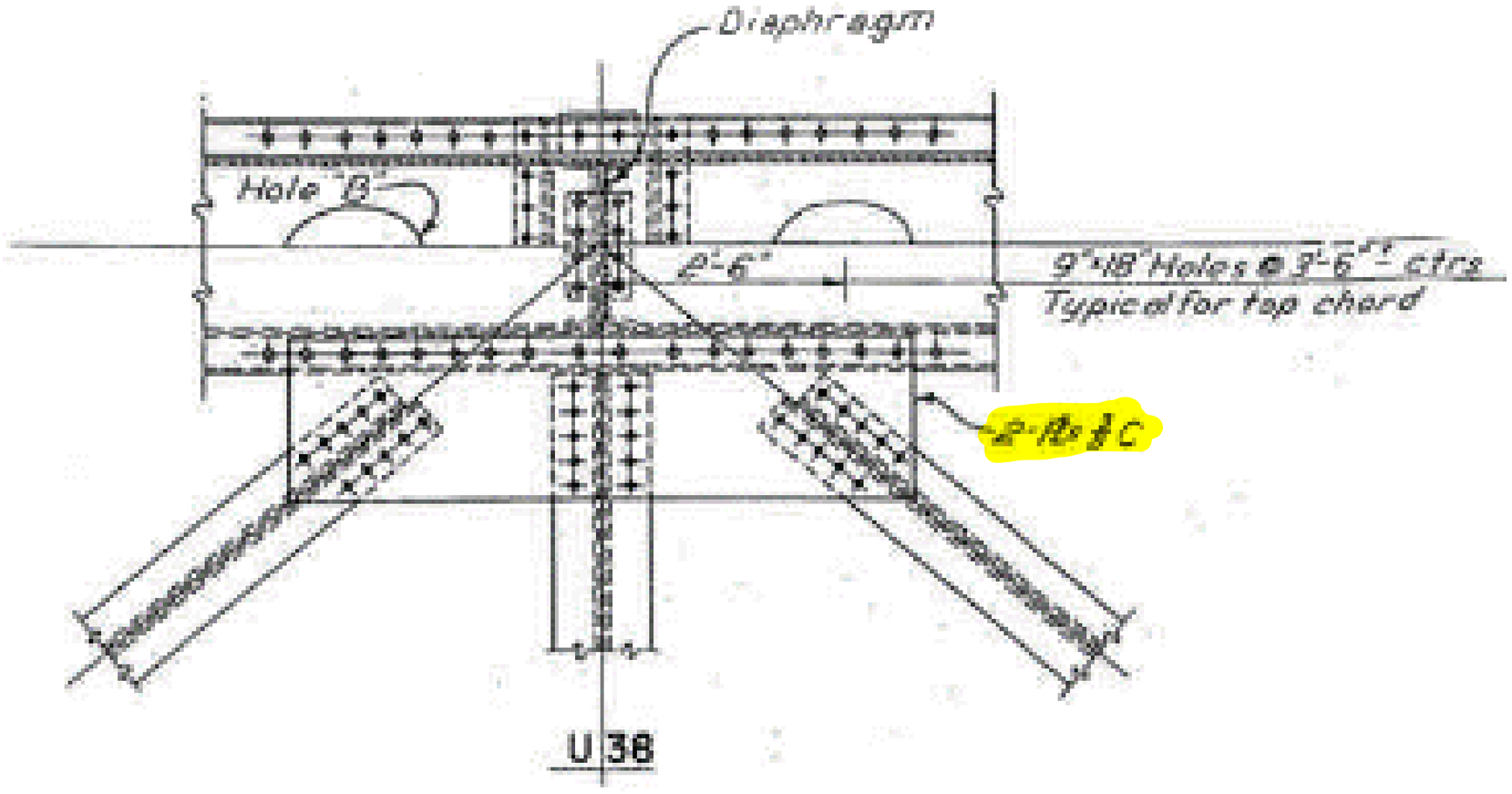
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 38

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U38

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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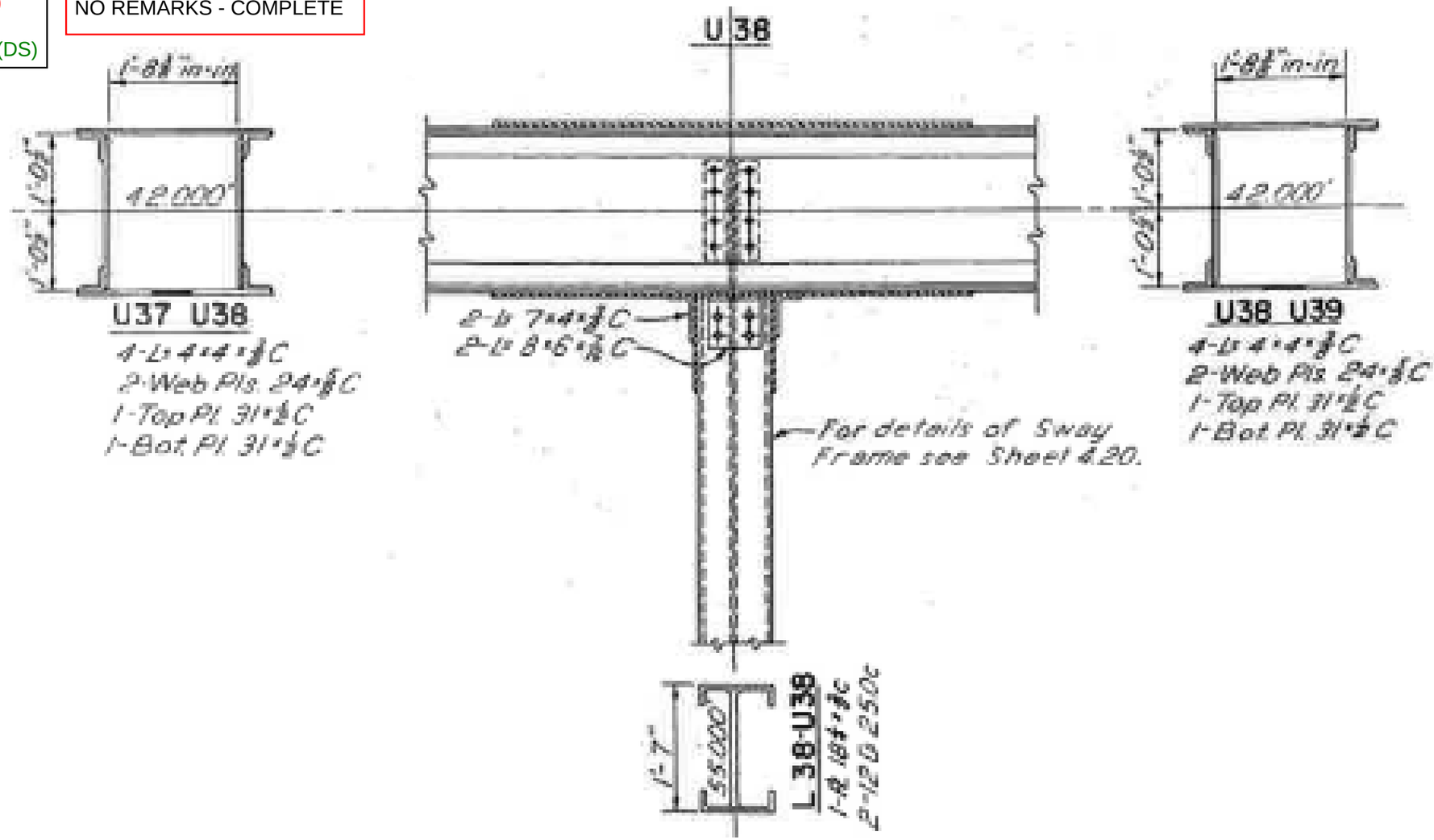
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: BCM/JPG US: BCM/JPG Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 38

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U38

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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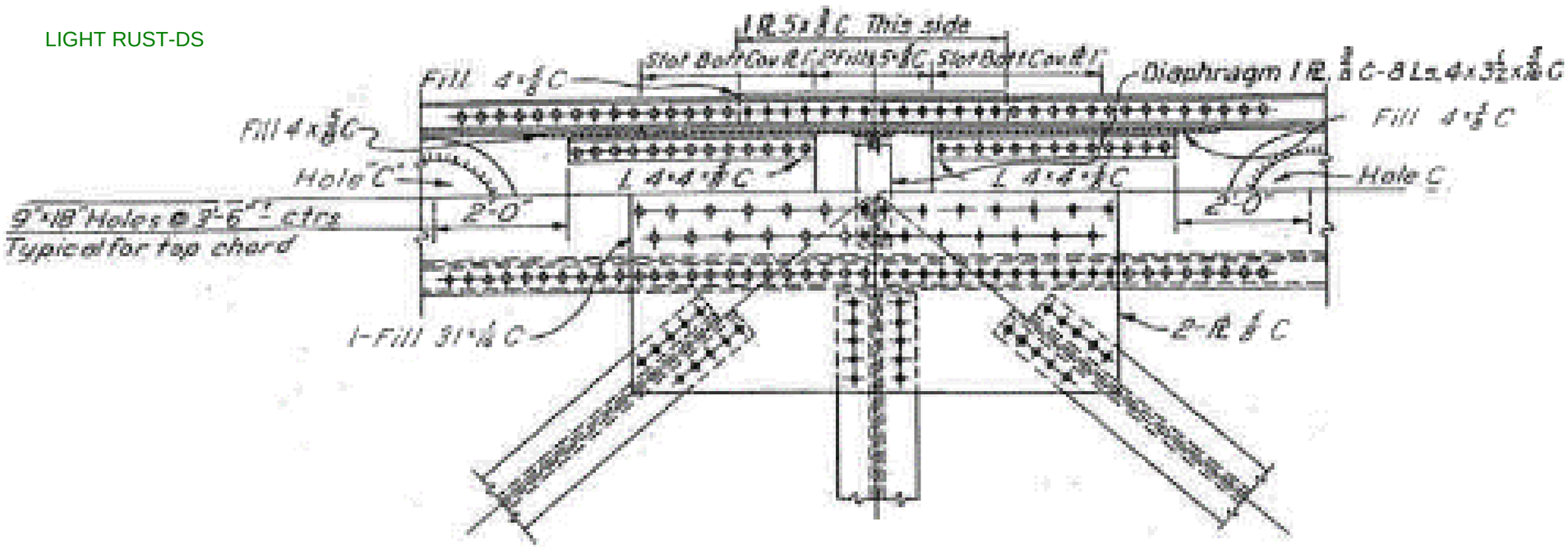
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 39

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U39

UP STREAM (US)

DOWN STREAM (DS)

LIGHT RUST-DS



Notes: Plan View

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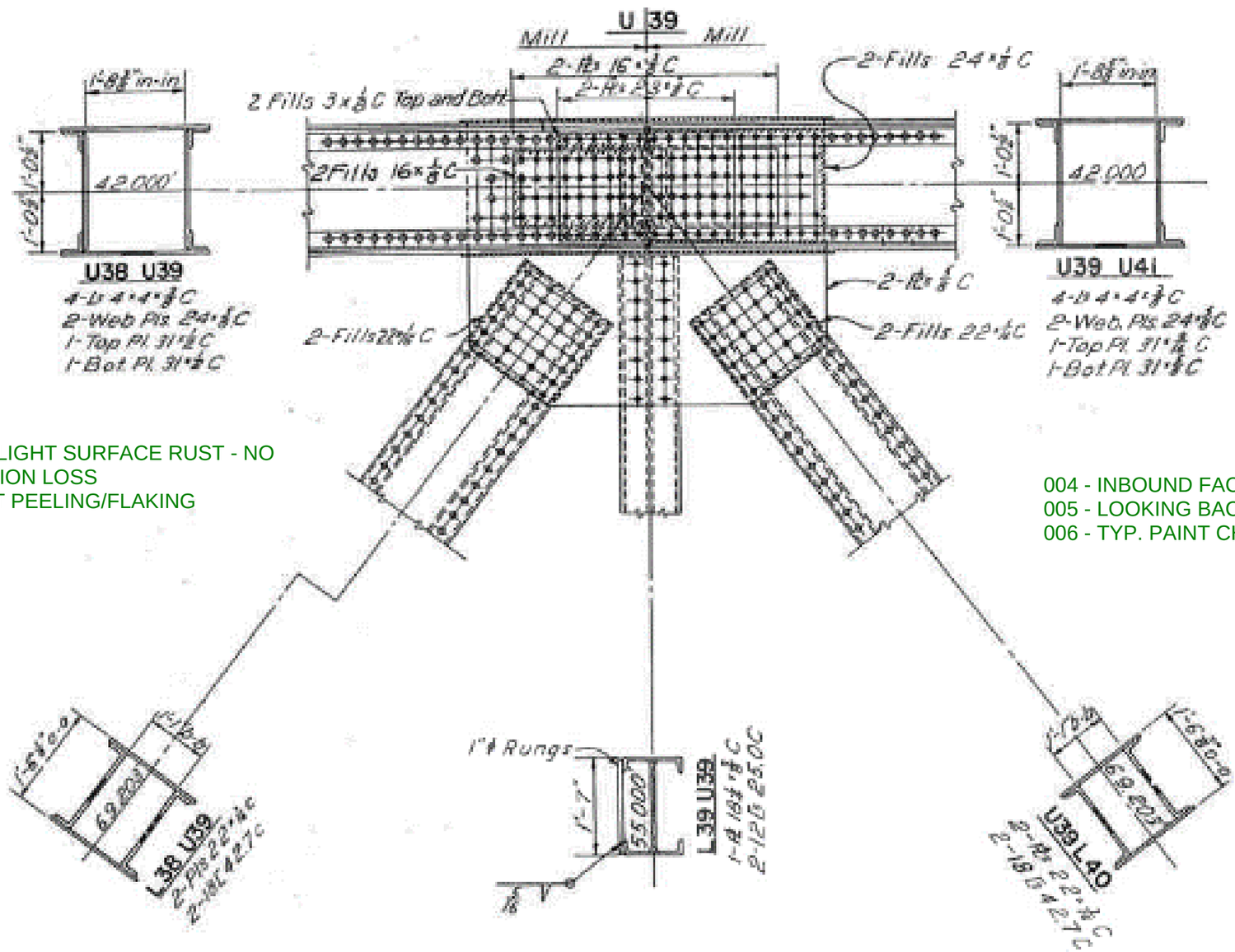
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 39

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U39

UP STREAM (US)

DOWN STREAM (DS)



TYP. LIGHT SURFACE RUST - NO SECTION LOSS
PAINT PEELING/FLAKING

004 - INBOUND FACE
005 - LOOKING BACK PAINT DELAM
006 - TYP. PAINT CHIPPING

Notes: Elevation View

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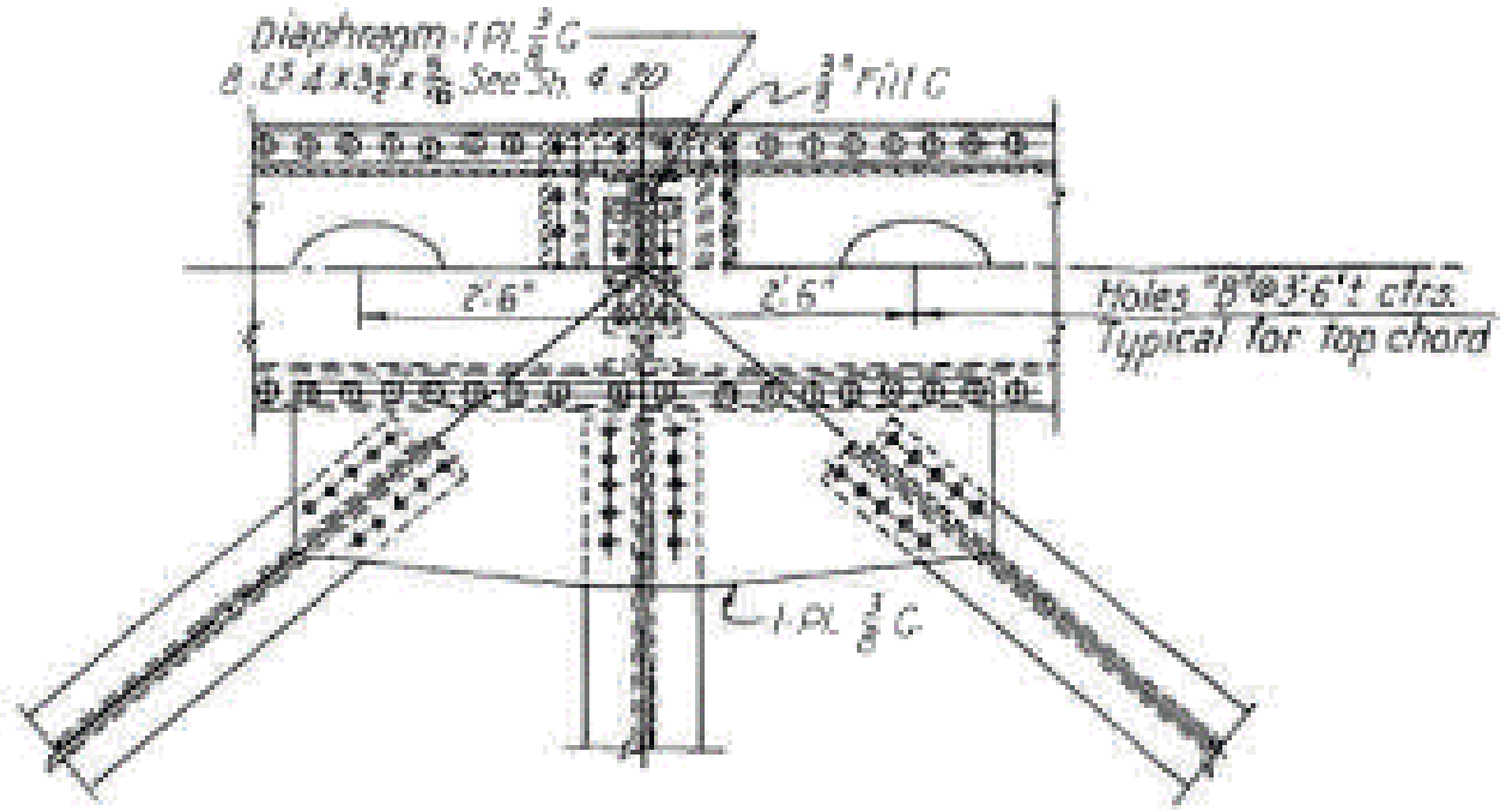
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 40

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U40

NO REMARKS - COMPLETE



Notes: Plan View

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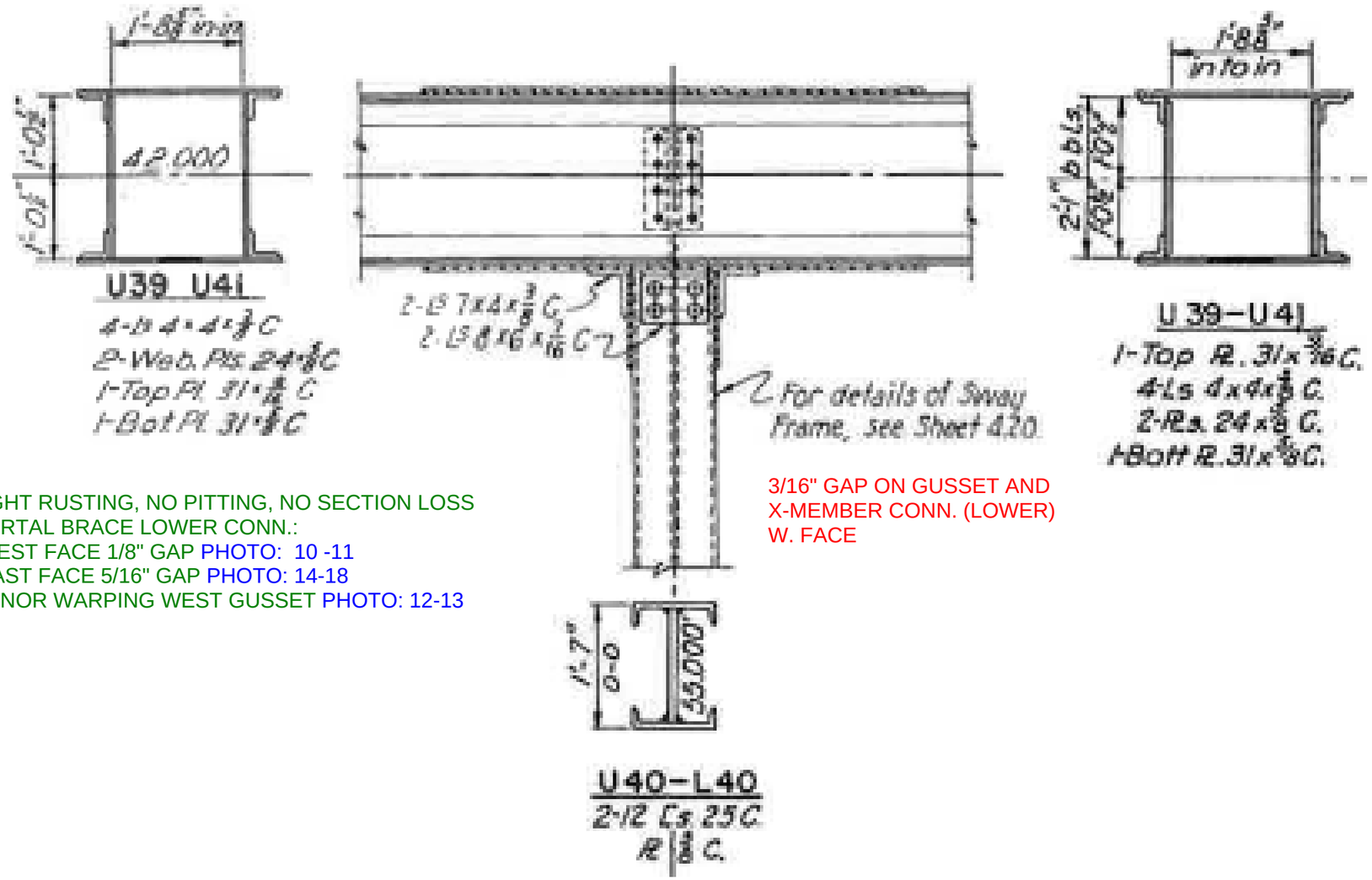
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 40

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U40

UP STREAM (US)

DOWN STREAM (DS)



LIGHT RUSTING, NO PITTING, NO SECTION LOSS
PORTAL BRACE LOWER CONN.:
-WEST FACE 1/8" GAP PHOTO: 10 -11
-EAST FACE 5/16" GAP PHOTO: 14-18
-MINOR WARPING WEST GUSSET PHOTO: 12-13

3/16" GAP ON GUSSET AND X-MEMBER CONN. (LOWER) W. FACE

Notes: Elevation View

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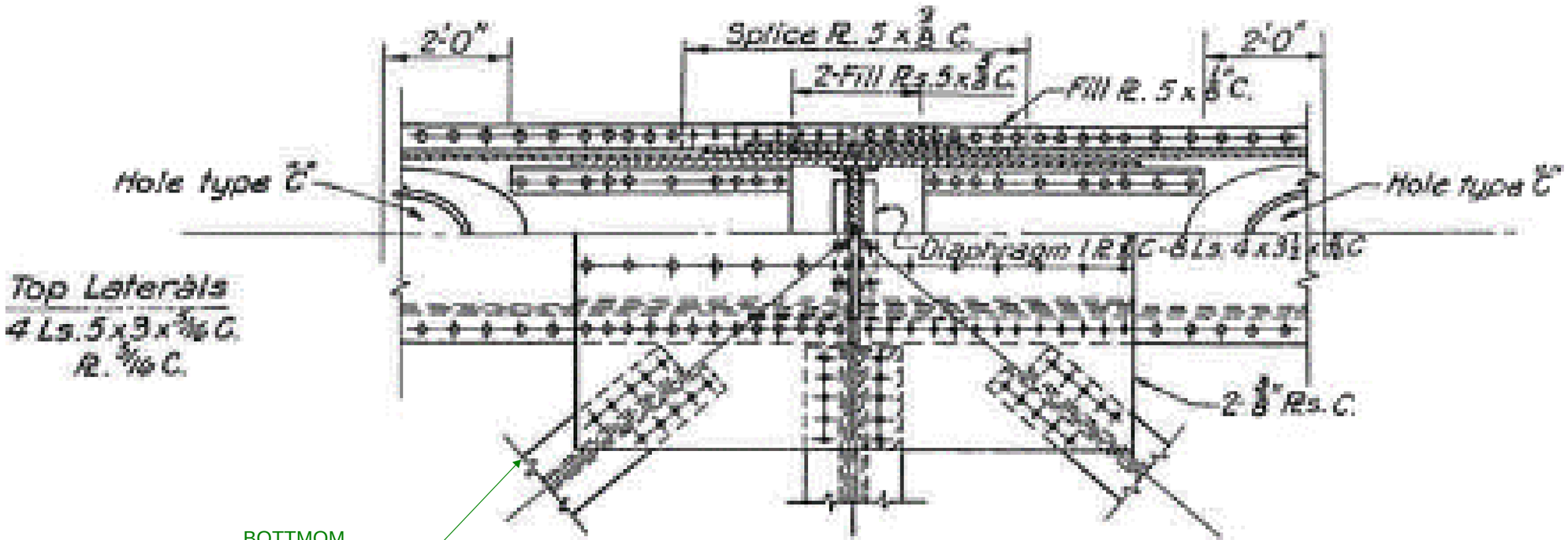
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location _U 41_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U41

UP STREAM (US)

DOWN STREAM (DS)



BOTTMOM
FLANGE WARPED
PHOTO: 25 - 26

Notes: Plan View

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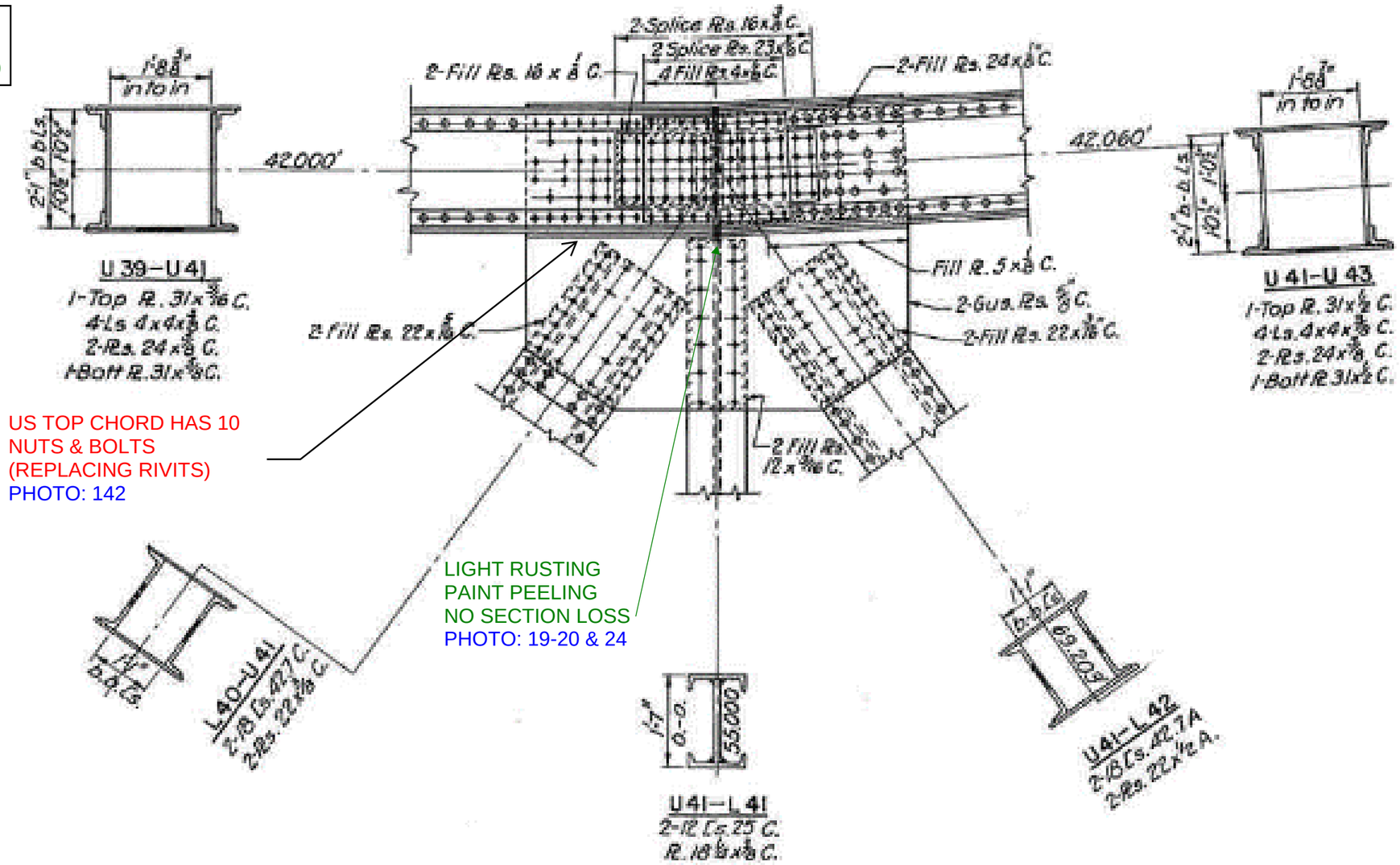
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 41

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U41

UP STREAM (US)

DOWN STREAM (DS)



US TOP CHORD HAS 10
NUTS & BOLTS
(REPLACING RIVITS)
PHOTO: 142

LIGHT RUSTING
PAINT PEELING
NO SECTION LOSS
PHOTO: 19-20 & 24

Notes: Elevation View

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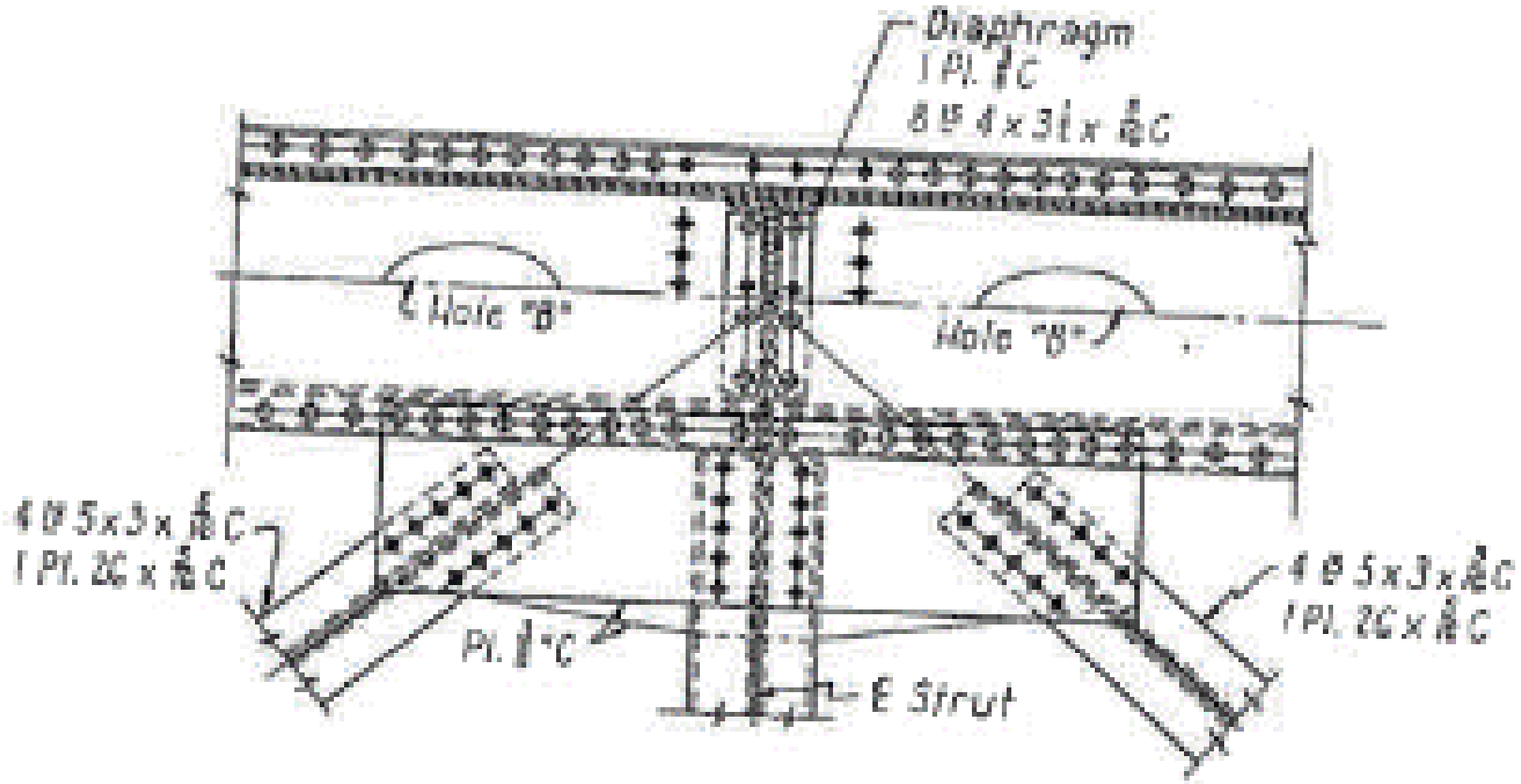
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 42

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U42

NO REMARKS - COMPLETE



Notes: Plan View

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Little Rock, AR 72201

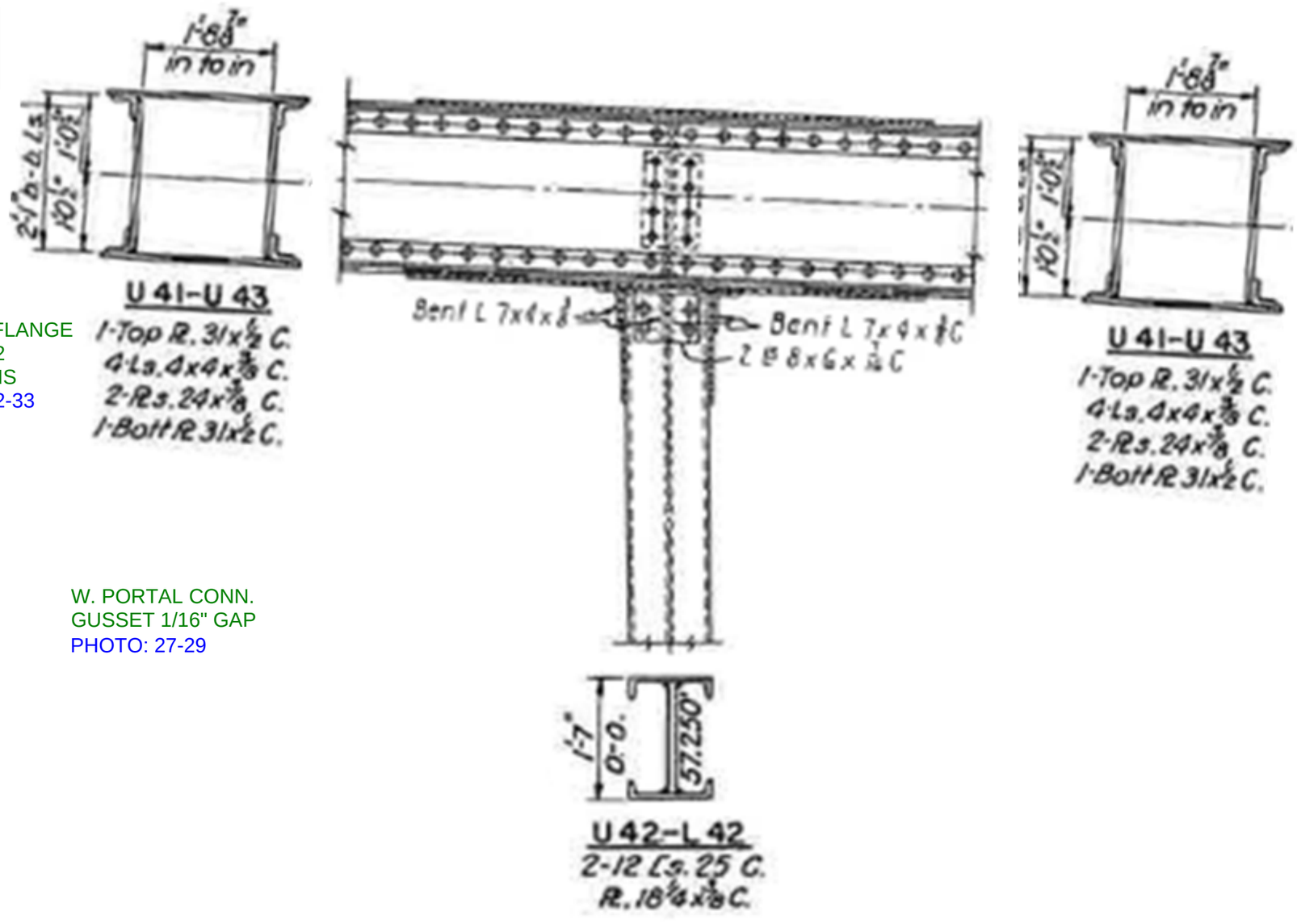
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U42

Span No. 3 Truss location U 42

UP STREAM (US)

DOWN STREAM (DS)



BOTTOM FLANGE WARPED 2 LOCATIONS
PHOTO: 32-33

W. PORTAL CONN. GUSSET 1/16" GAP
PHOTO: 27-29

Notes: Elevation View

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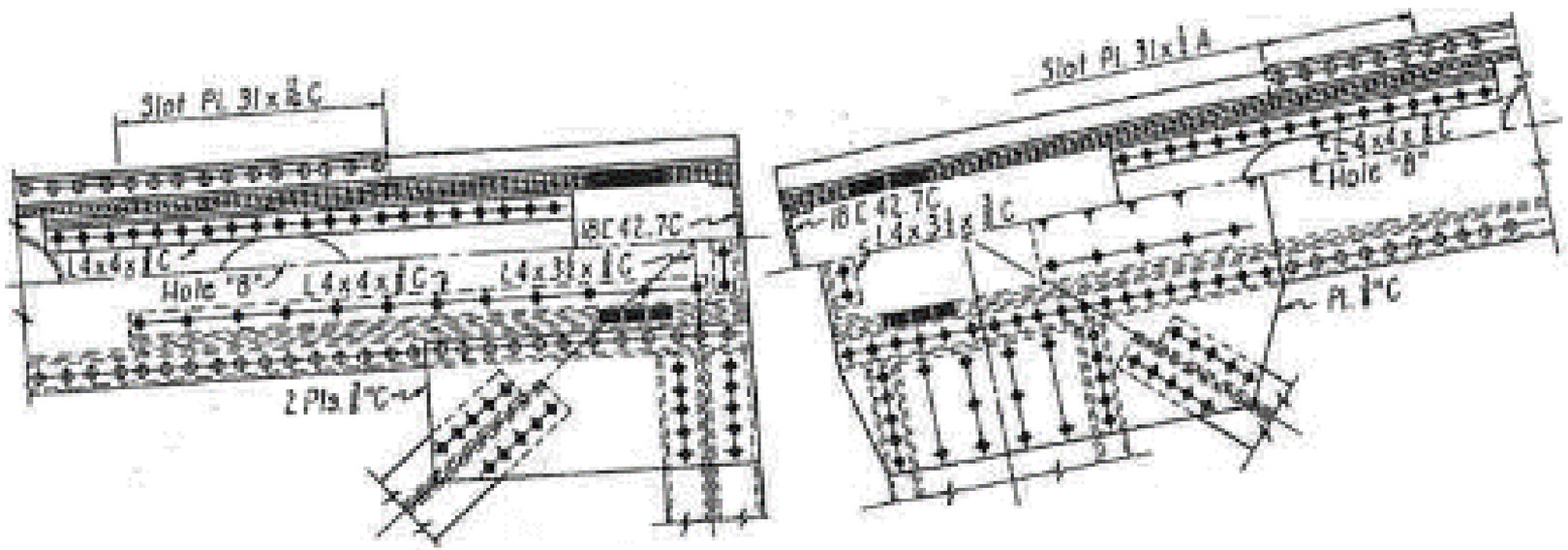
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 43

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U43

NO REMARKS - COMPLETE



Notes: Plan View

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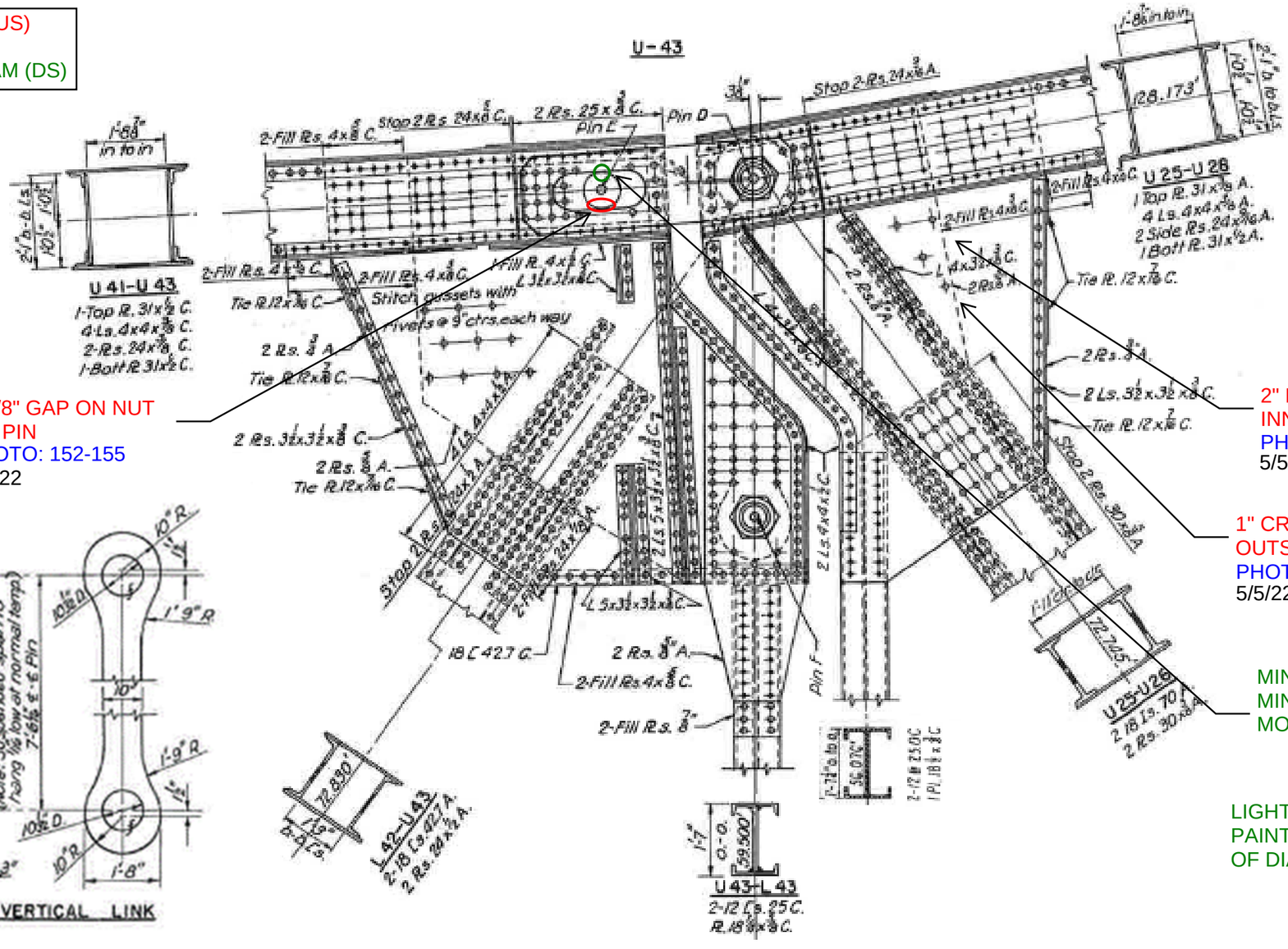
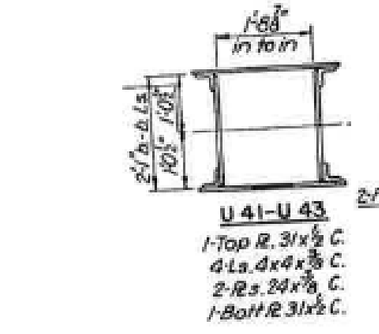
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 43

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U43

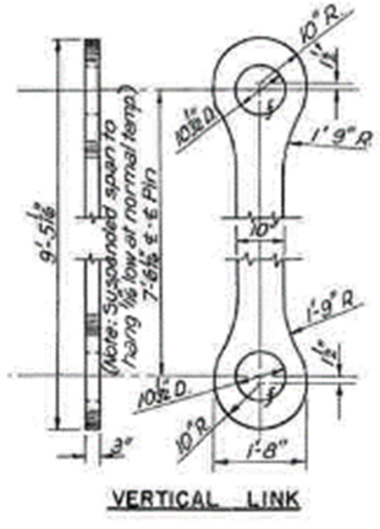
UP STREAM (US)

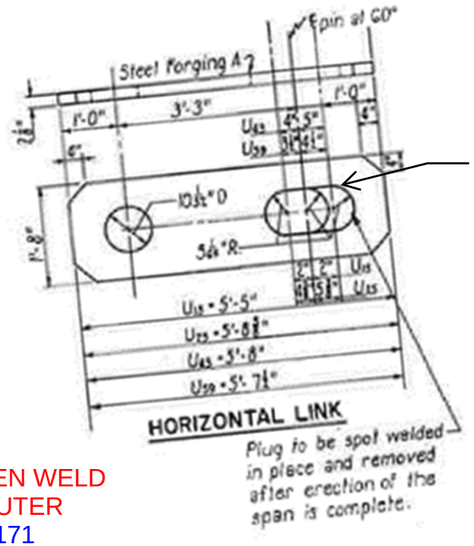
DOWN STREAM (DS)





1-1/8" GAP ON NUT
ON PIN
PHOTO: 152-155
5/5/22





SLIGHT BOW
SLIDING PLATE
OUTSIDE
PHOTO: 169
5/5/22

2" BROKEN WELD
INNER/OUTER
PHOTO: 171
5/5/22

1" CRACKED WELD
OUTSIDE GUSSET
PHOTO: 172
5/5/22

MINOR RUST
MINOR FRETTING DUE TO NUT
MOVEMENT

LIGHT SURFACE RUST
PAINT FLAKING ON INSIDE
OF DIAGONAL MEMBERS

Notes: Elevation View

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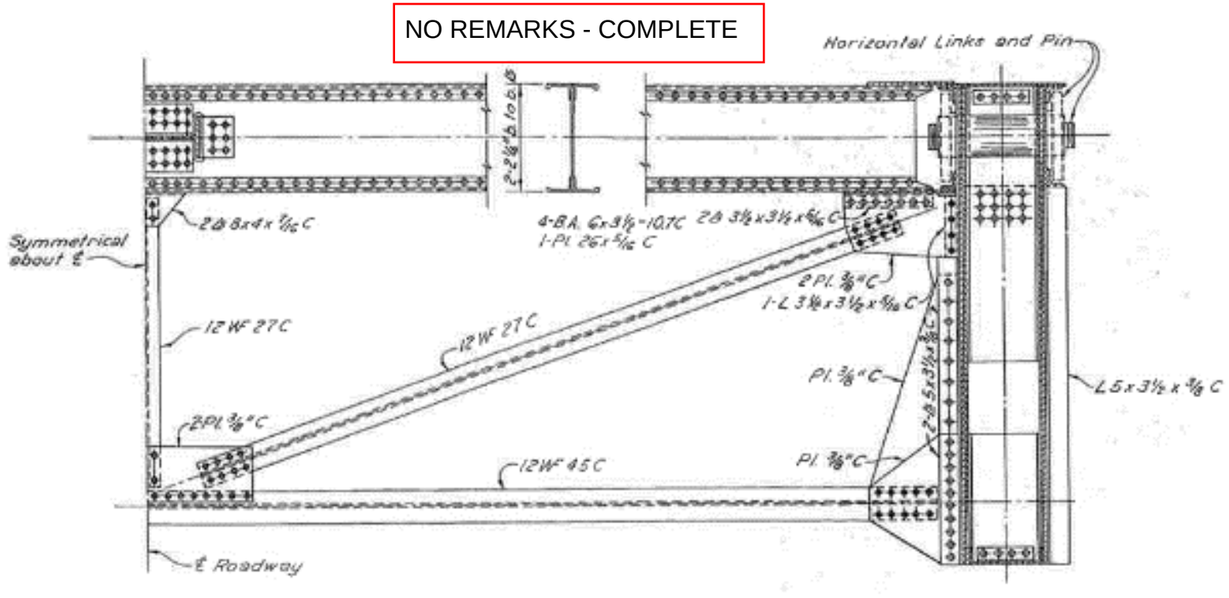
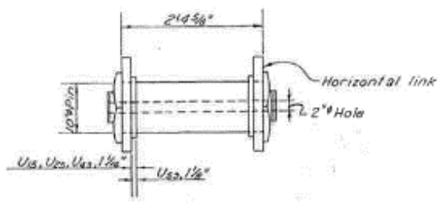
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 43

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U43 continued

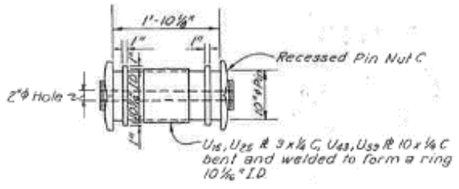
NO REMARKS - COMPLETE



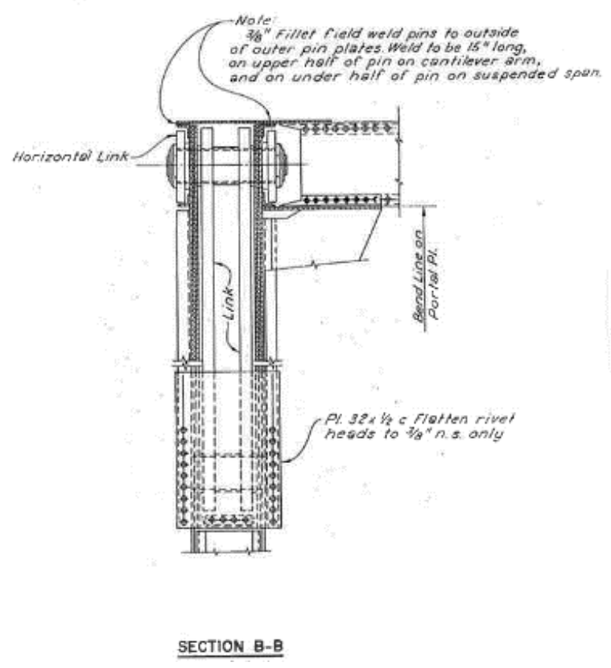
SECTION A-A



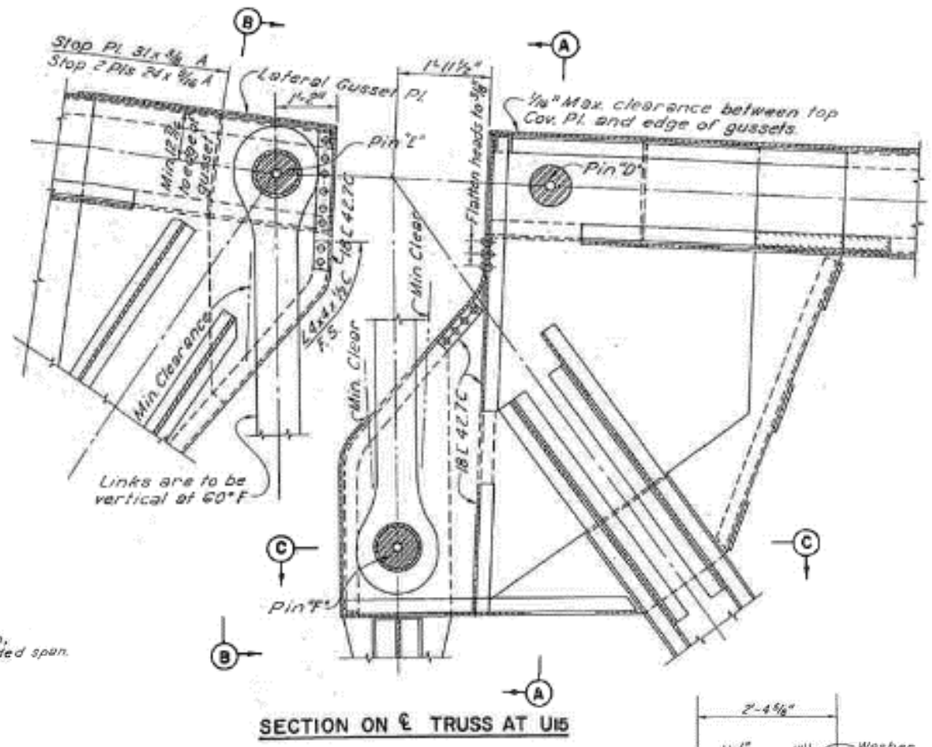
PIN "D" DETAIL



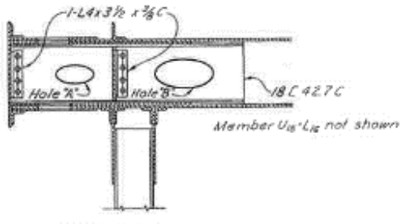
PIN "F" DETAIL



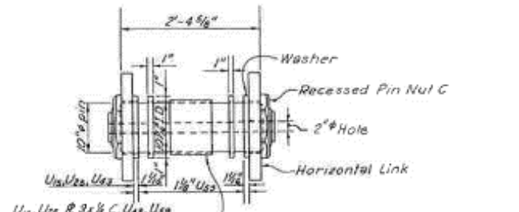
SECTION B-B



SECTION ON ℄ TRUSS AT U15



SECTION C-C



PIN "E" DETAIL

Note: Pin to be a forging of manganese steel. Finish Pin all over.
Details of panel point U25, U43, & U59 are similar to those shown on this sheet for U15.

Notes: Additional Details

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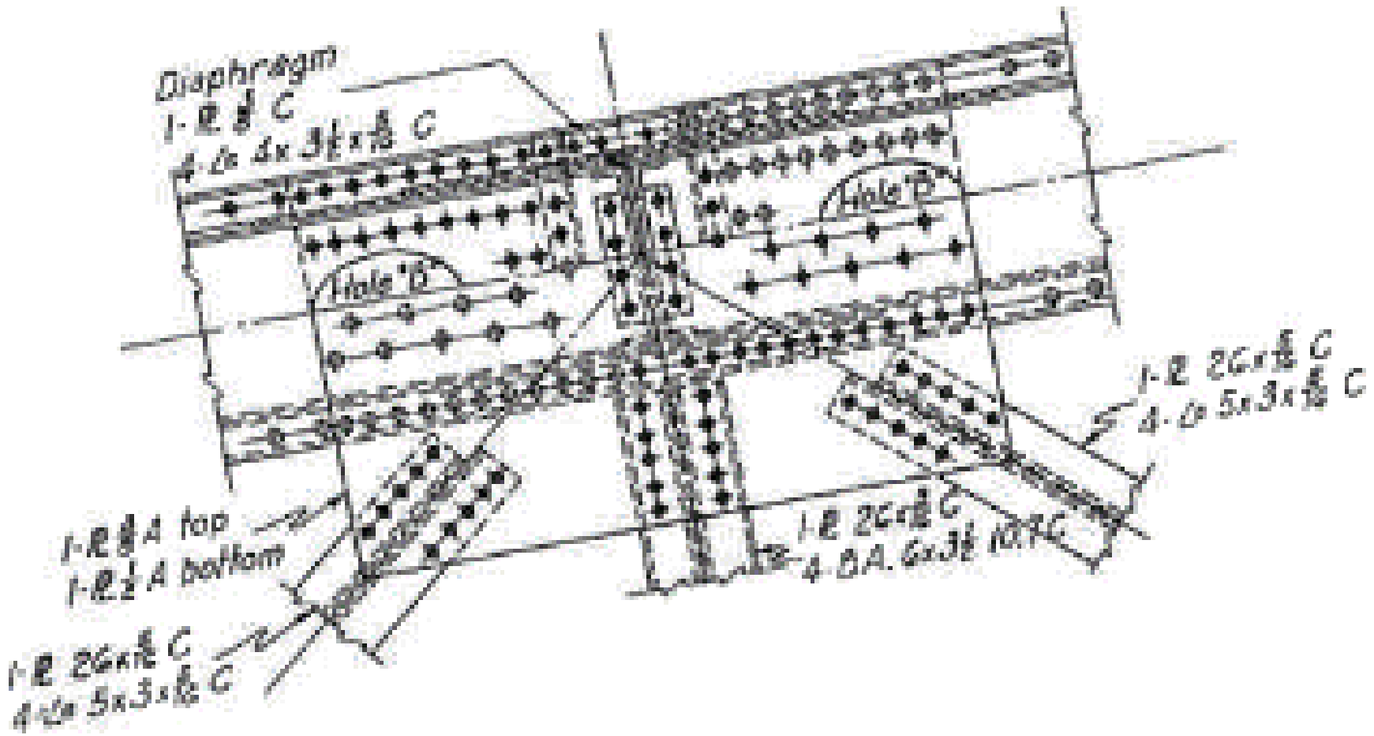
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 44

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U44

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 44

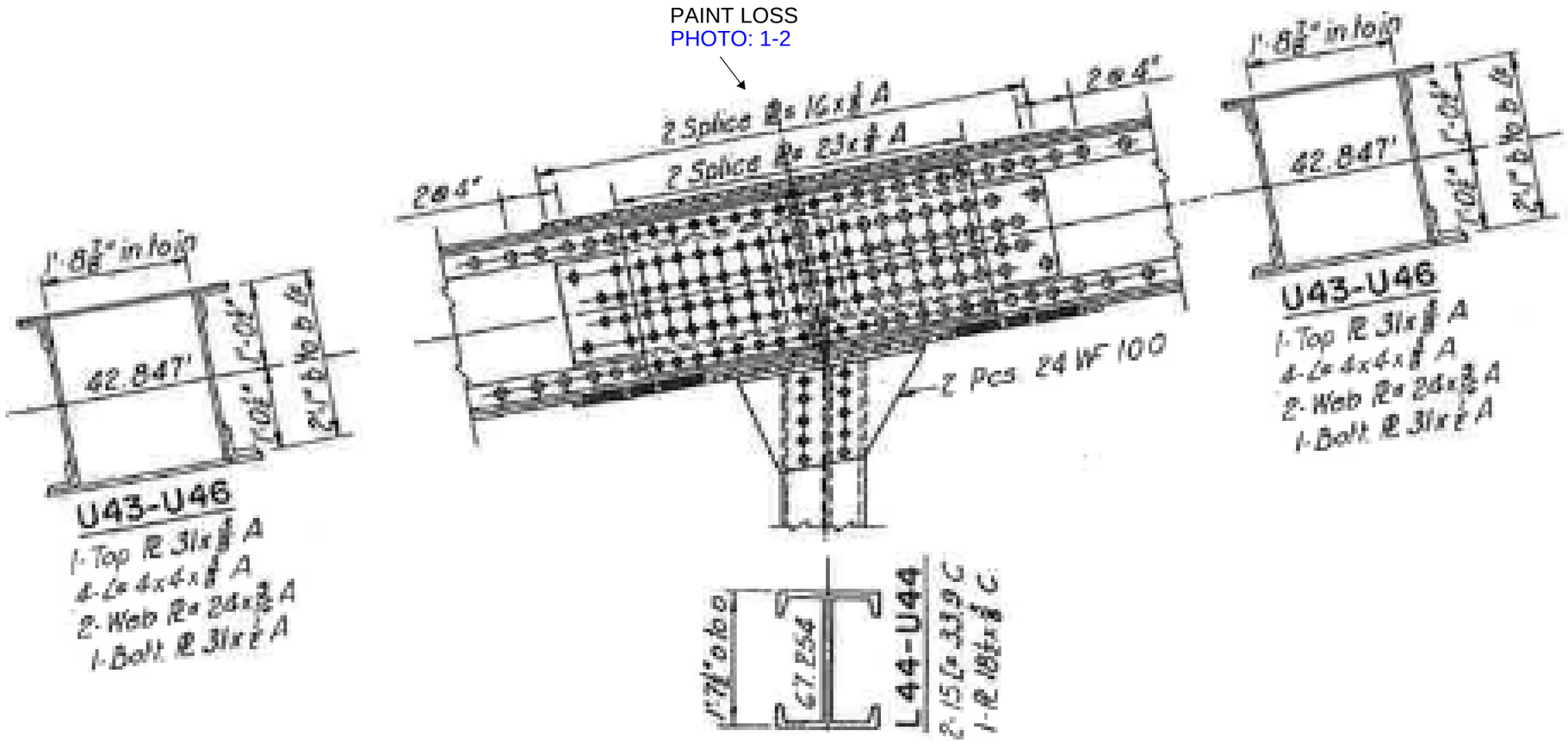
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U44

Back to U52
Elevation View U52'!A1

UP STREAM (US)

DOWN STREAM (DS)

PAINT LOSS
PHOTO: 1-2



Notes: Elevation View

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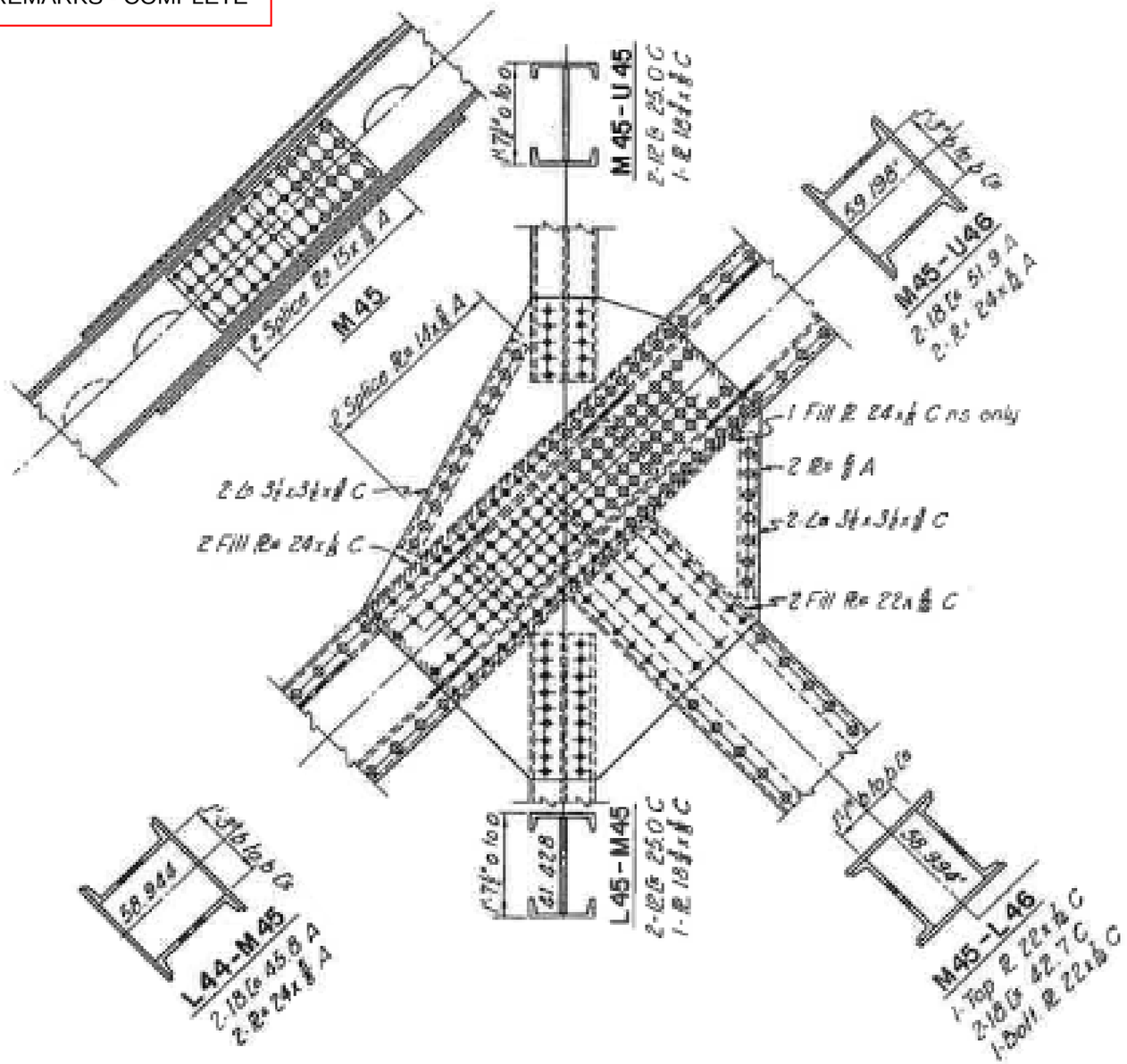
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location _M 45_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M45

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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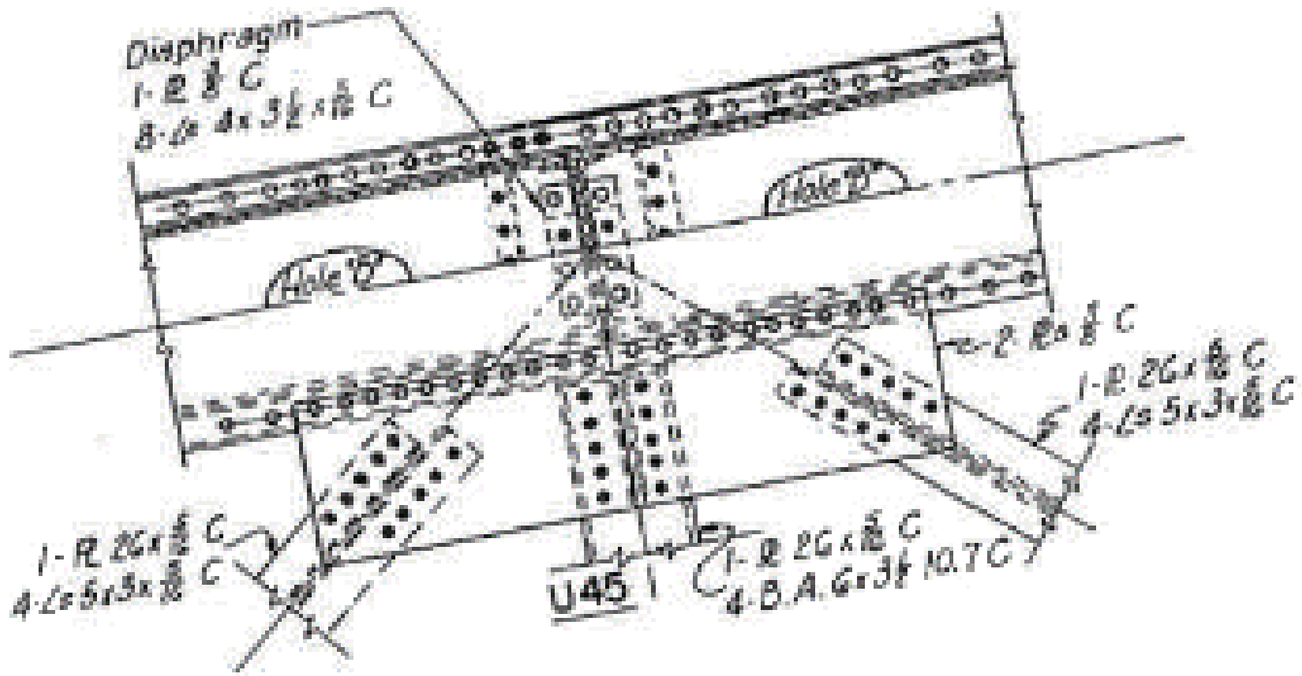
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 45

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U45

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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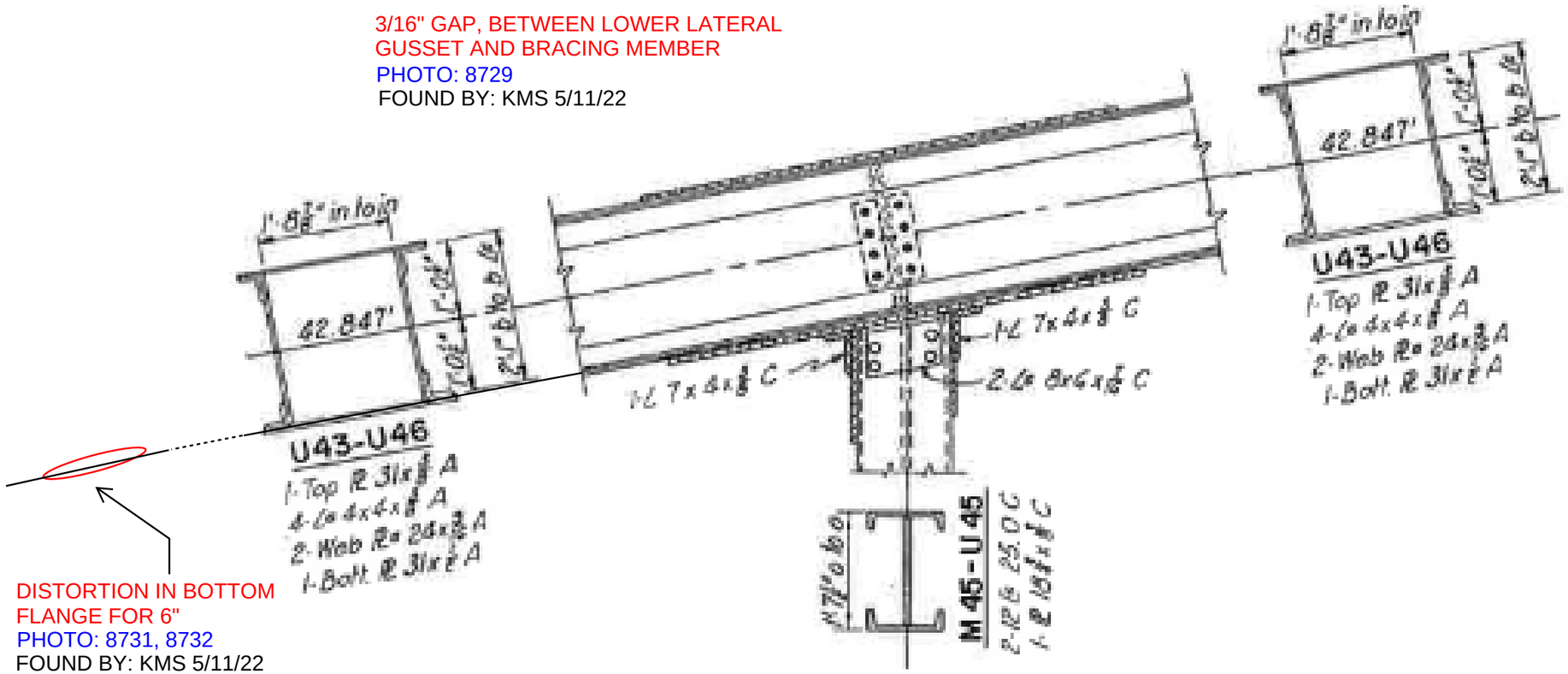
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 45

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U45

UP STREAM (US)

DOWN STREAM (DS)

3/16" GAP, BETWEEN LOWER LATERAL GUSSET AND BRACING MEMBER
PHOTO: 8729
FOUND BY: KMS 5/11/22



DISTORTION IN BOTTOM FLANGE FOR 6"
PHOTO: 8731, 8732
FOUND BY: KMS 5/11/22

Notes: Elevation View

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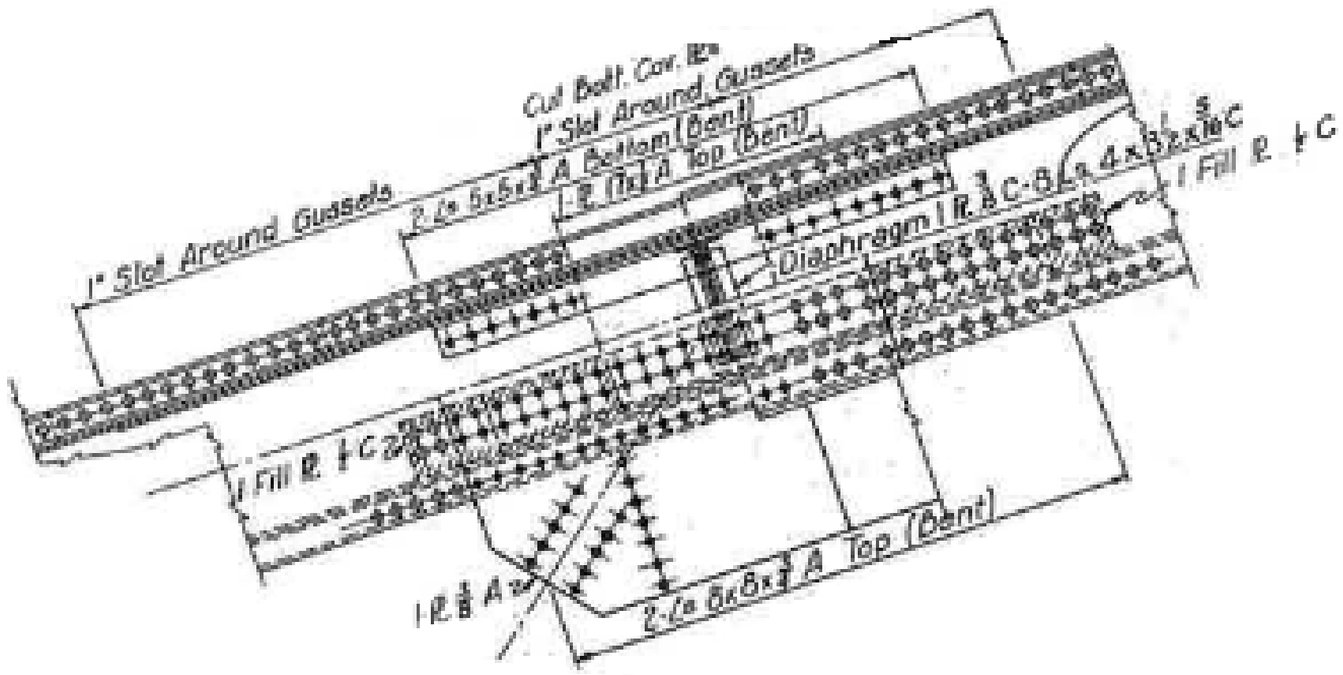
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 46

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U46

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Little Rock, AR 72201

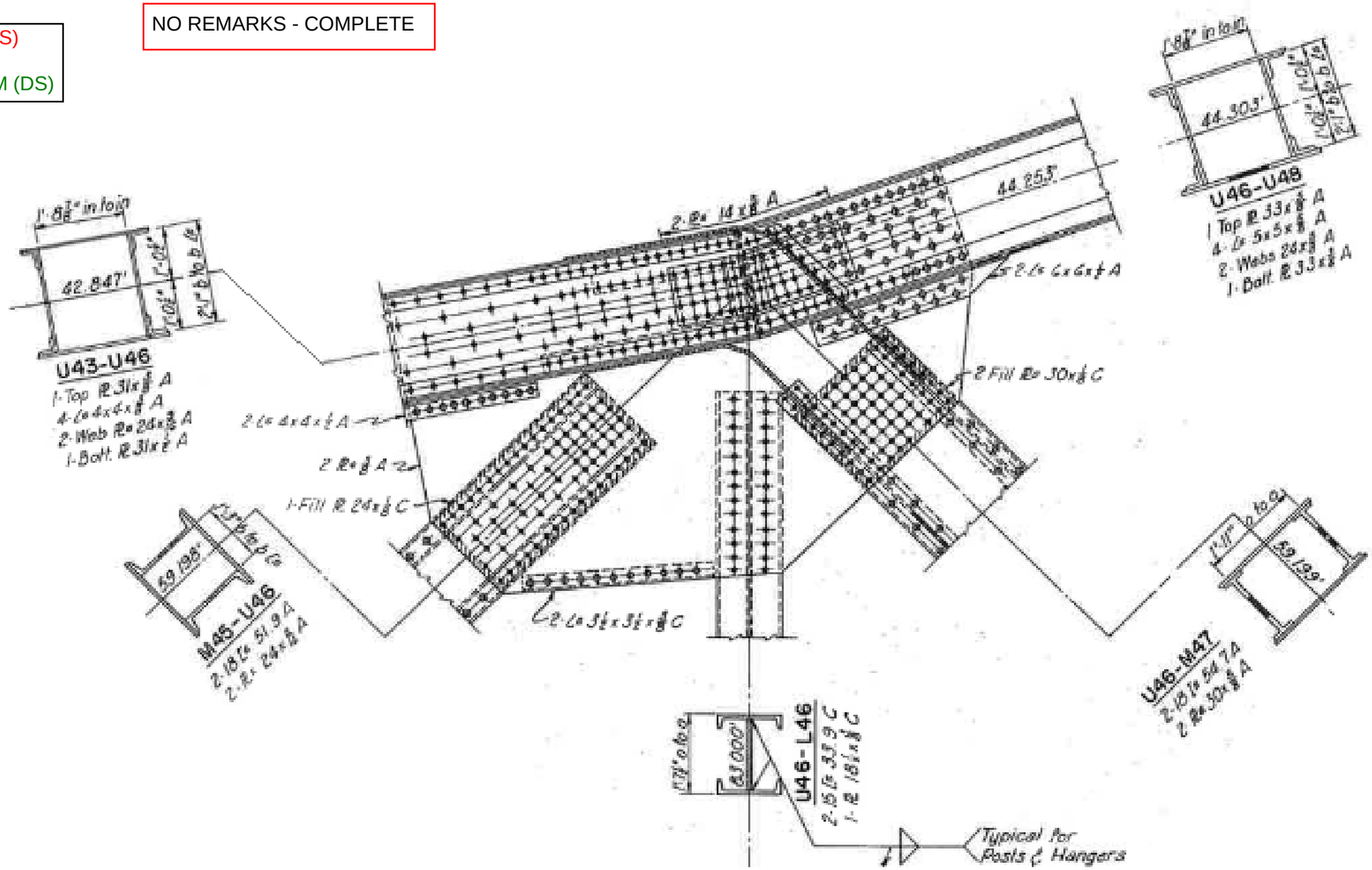
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location U 46

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U46

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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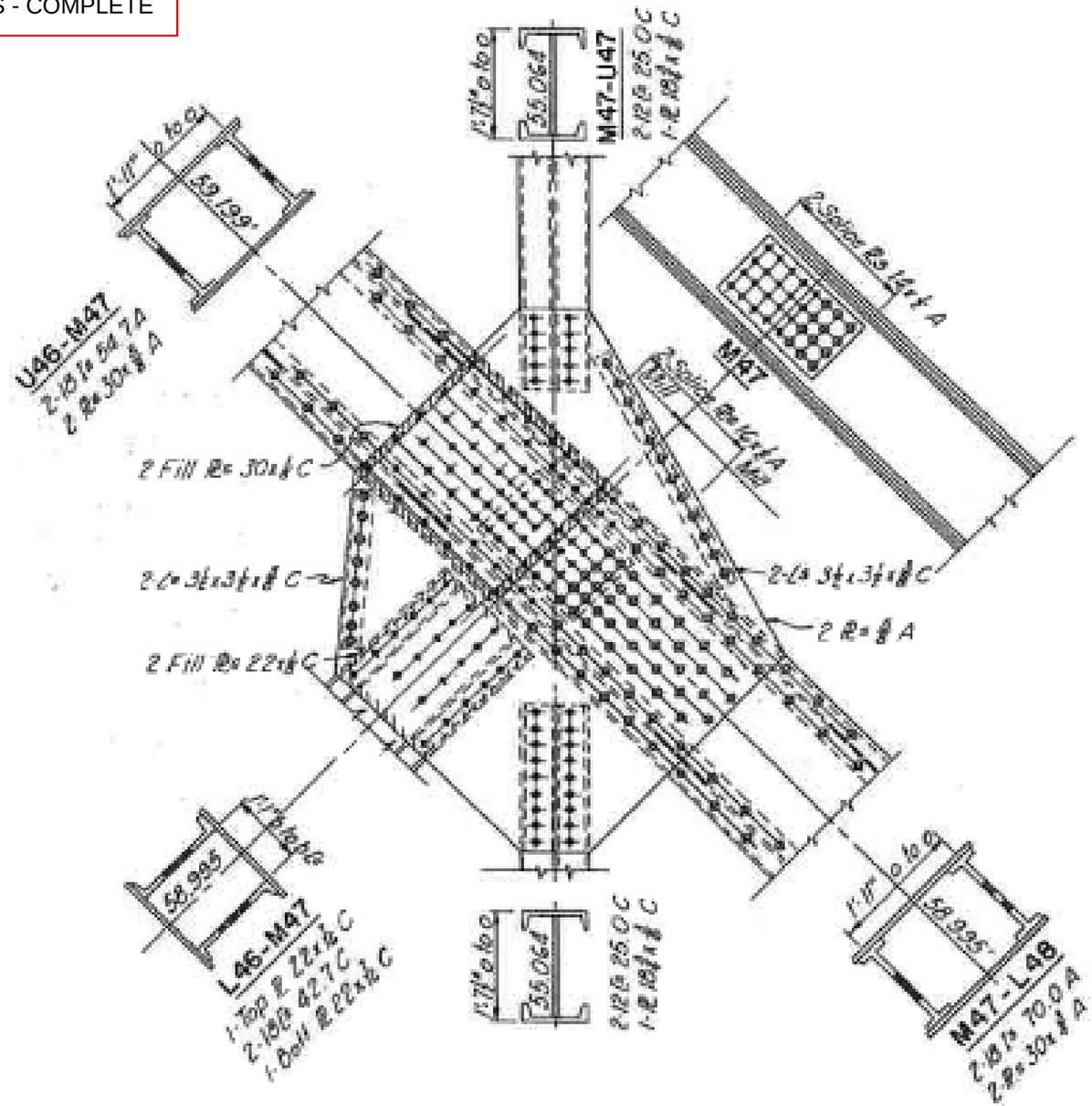
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location _M 47_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M47

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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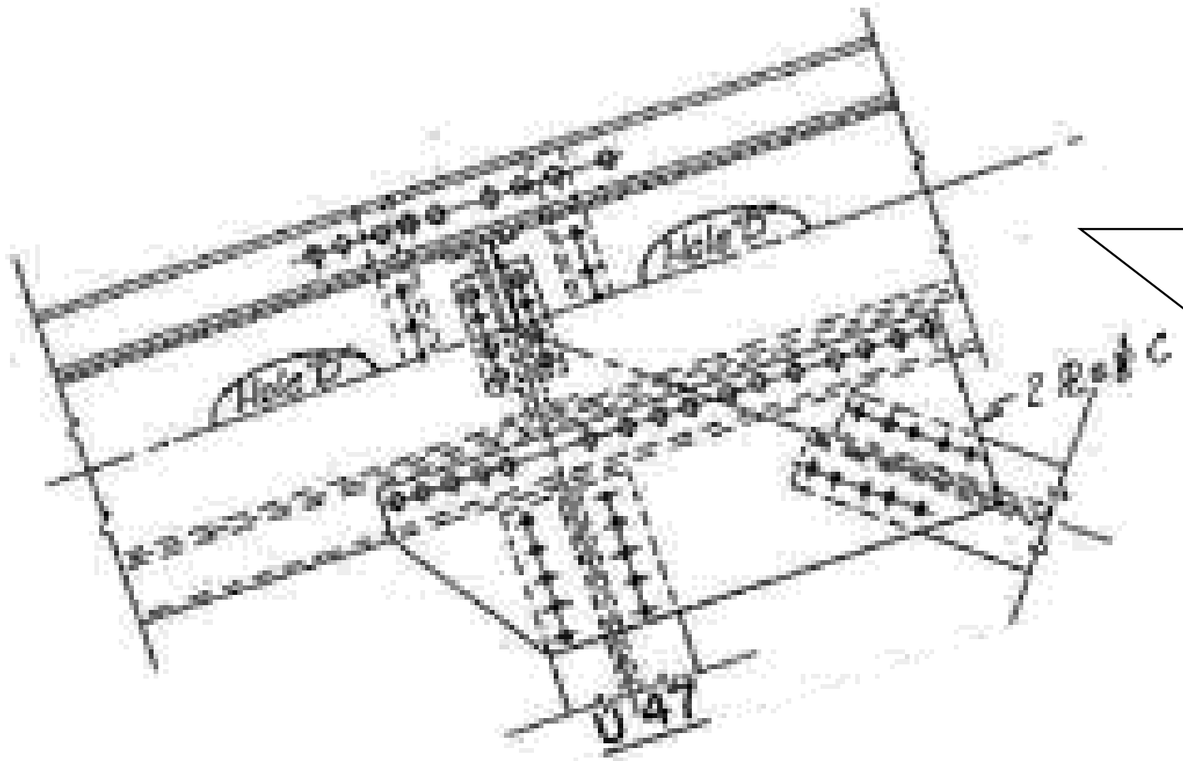
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U47

Span No. _3_ Truss location _U 47_

UP STREAM (US)

DOWN STREAM (DS)



DIAGONAL BETWEEN U48-U47, T FLANGE BENT AROUND 5' BACK U48 ON DIAGONAL
PHOTO: 2464, 2465, 2467, 2468, 2469
MADE BY: AKW 5/10/22

Notes: Plan View

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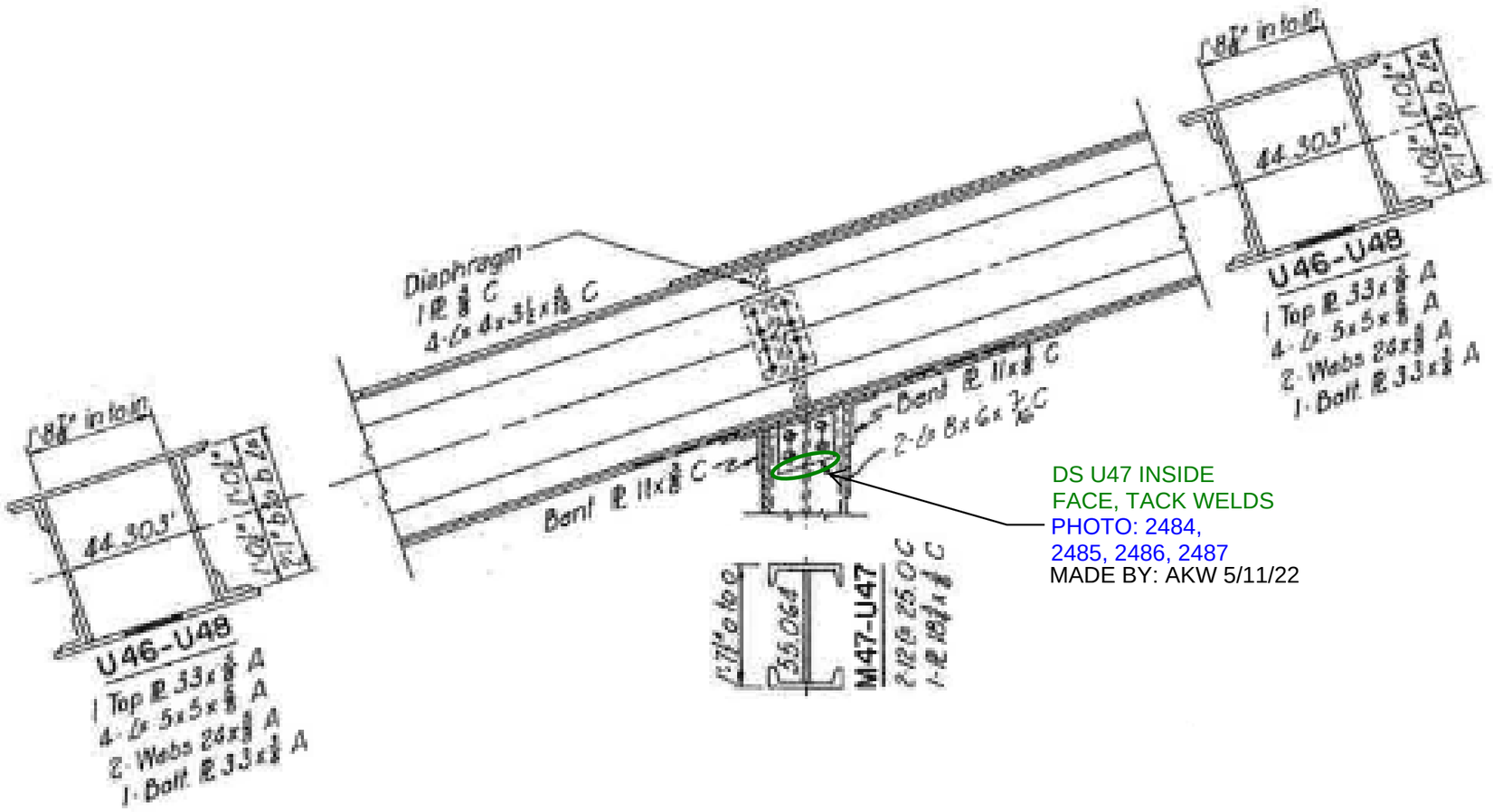
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location_U 47_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U47

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

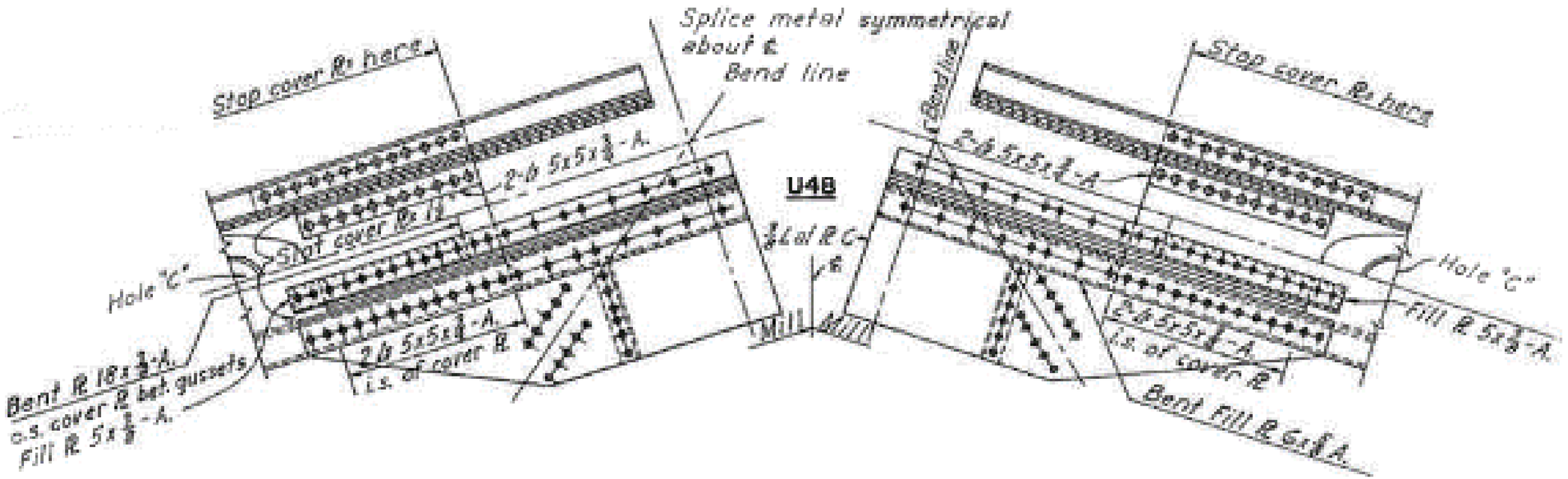
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U48

Span No. 3 - 4 Truss location U 48

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

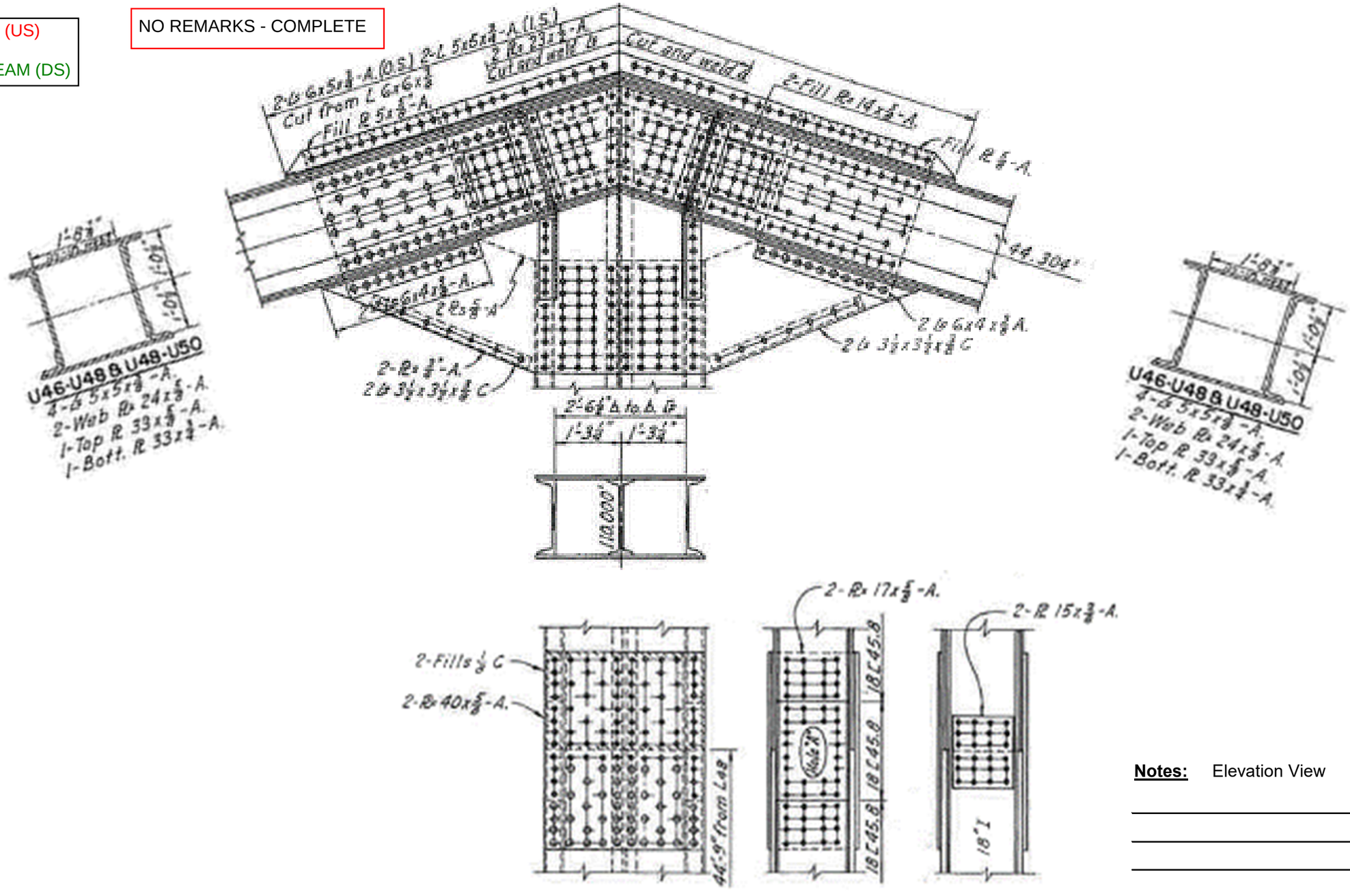
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U48

Span No. 3 - 4 Truss location U 48

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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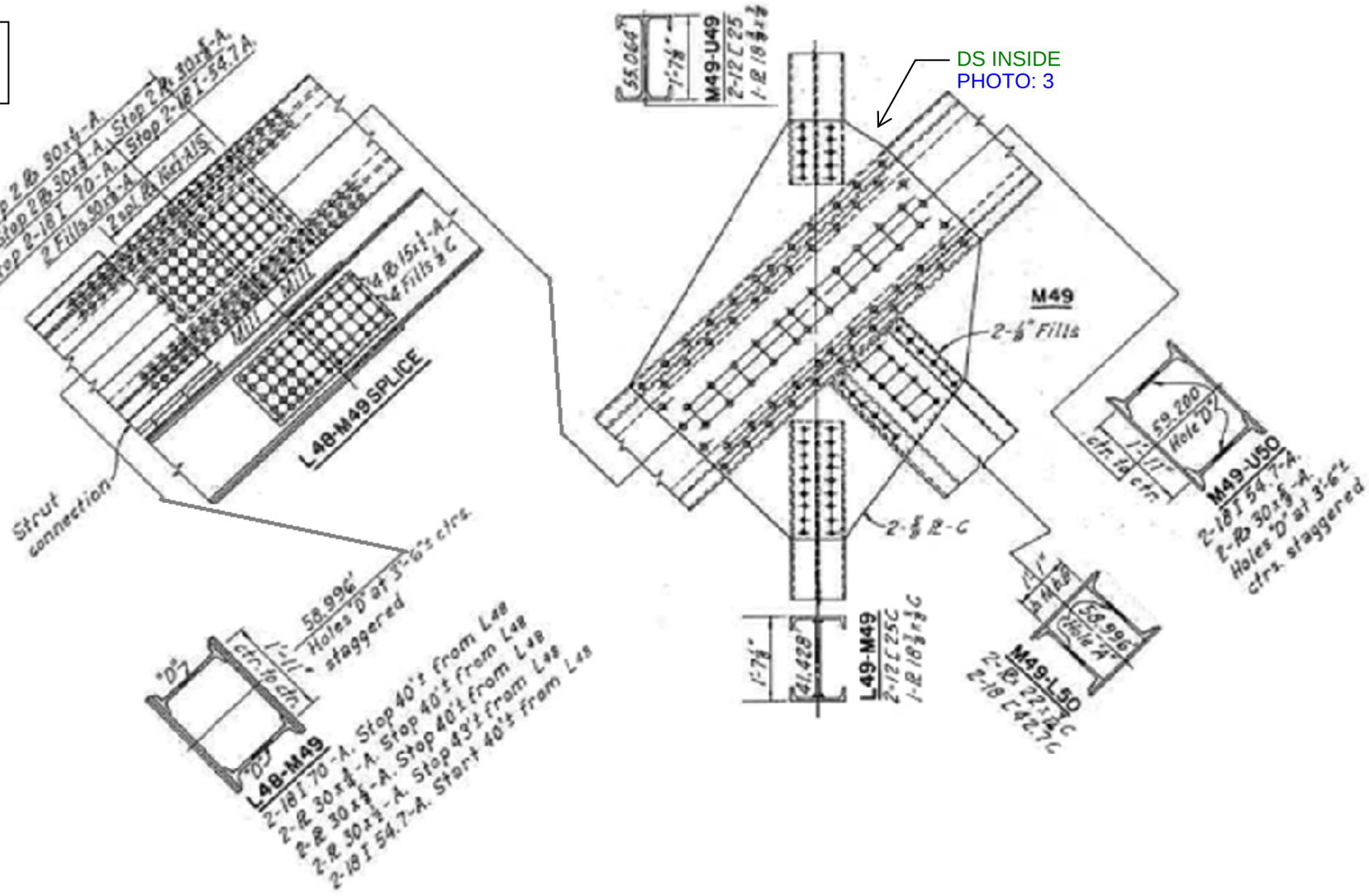
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M49

Span No. _4_ Truss location _M 49_

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

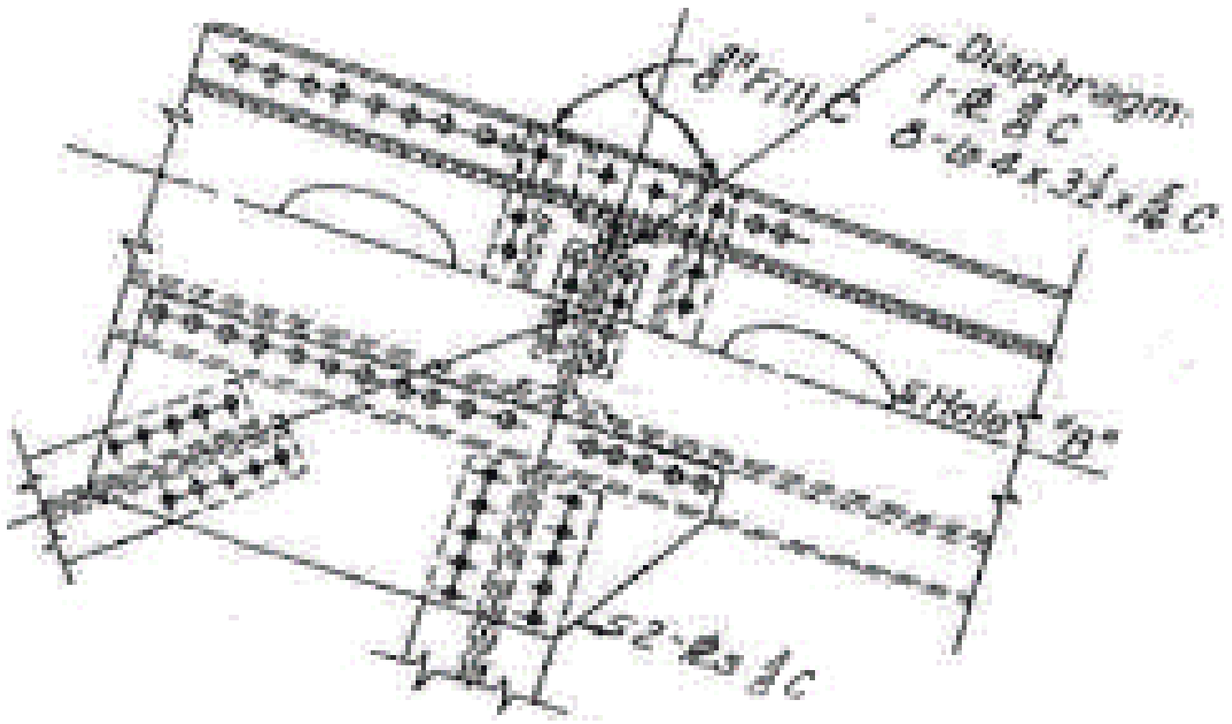
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U49

Span No. _4_ Truss location _U 49_

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

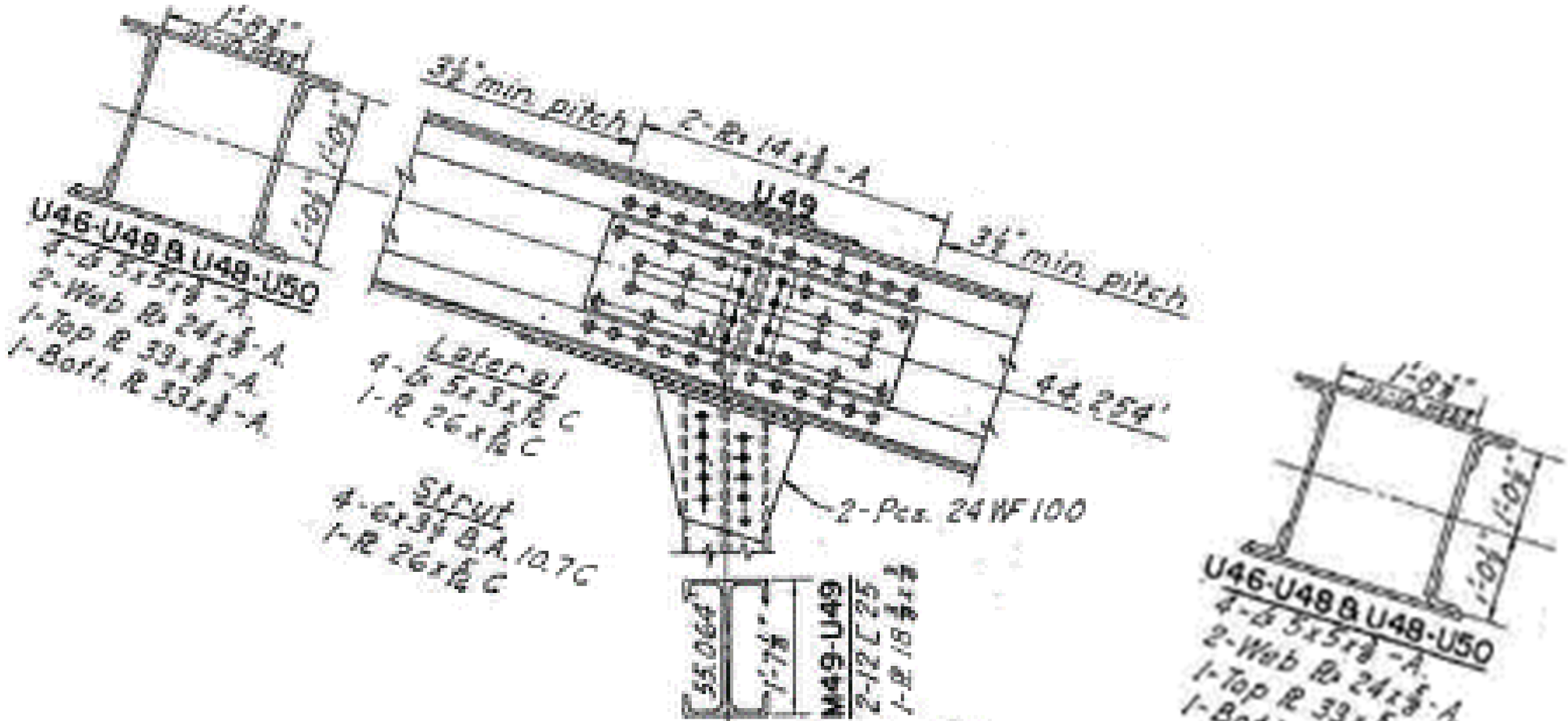
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U49

Span No. 4 Truss location U 49

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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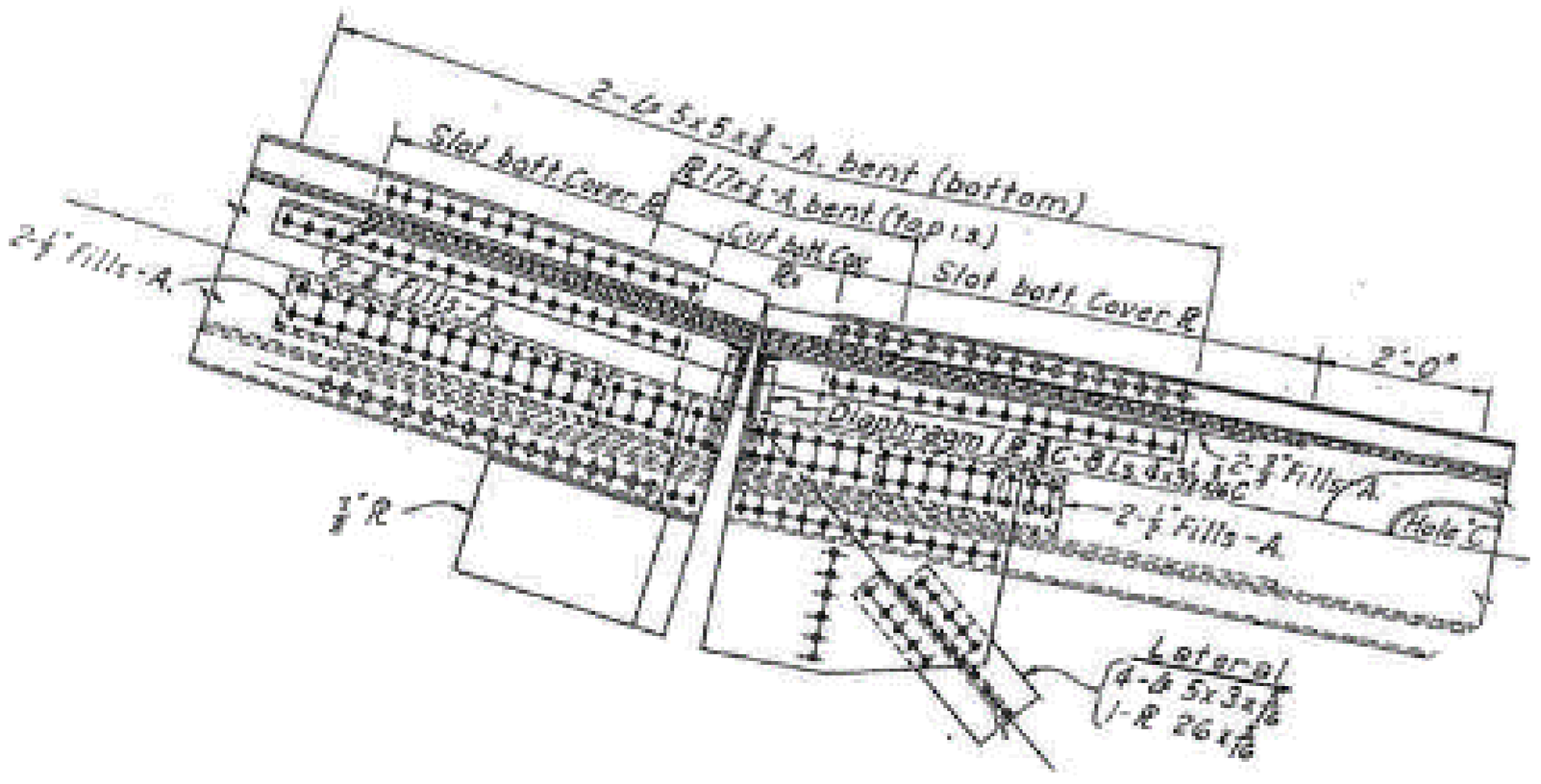
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 50

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U50

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 50

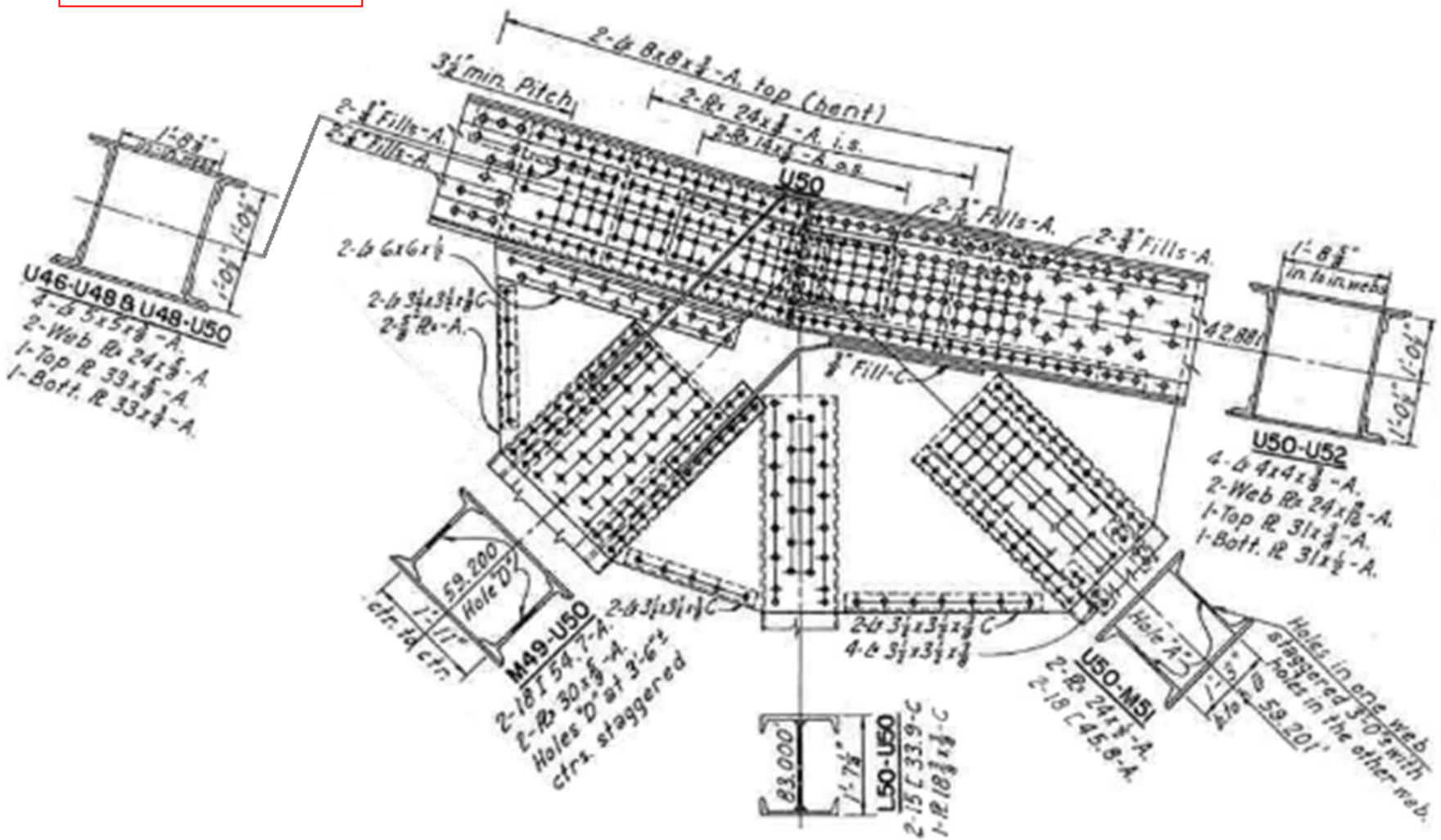
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U50

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Back to U66
Elevation View U66'!A1



Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M51

Span No. _4_ Truss location_M 51_

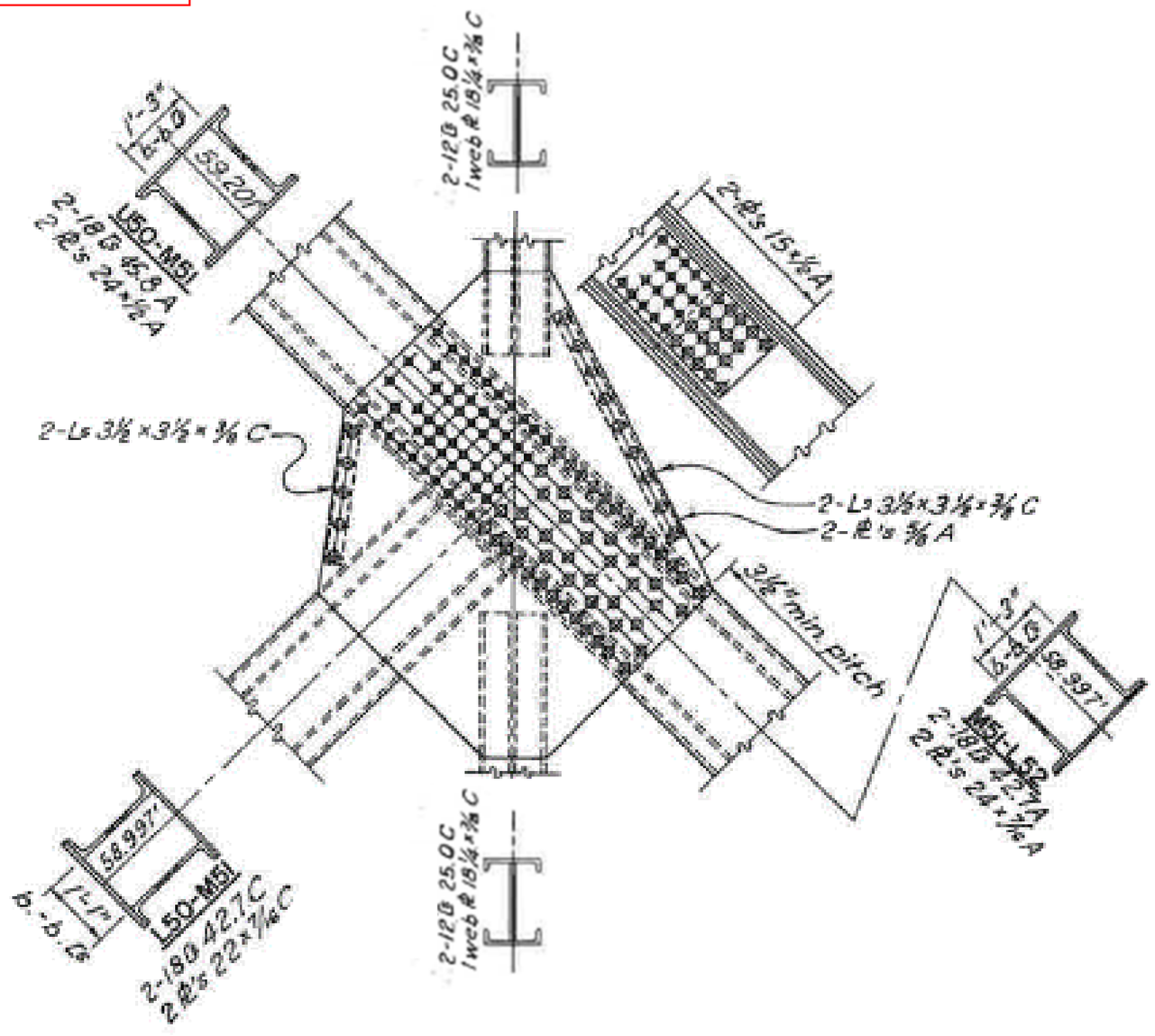
UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Details of conection not shown are similar to M 11

Elevation View M11'!A1



Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

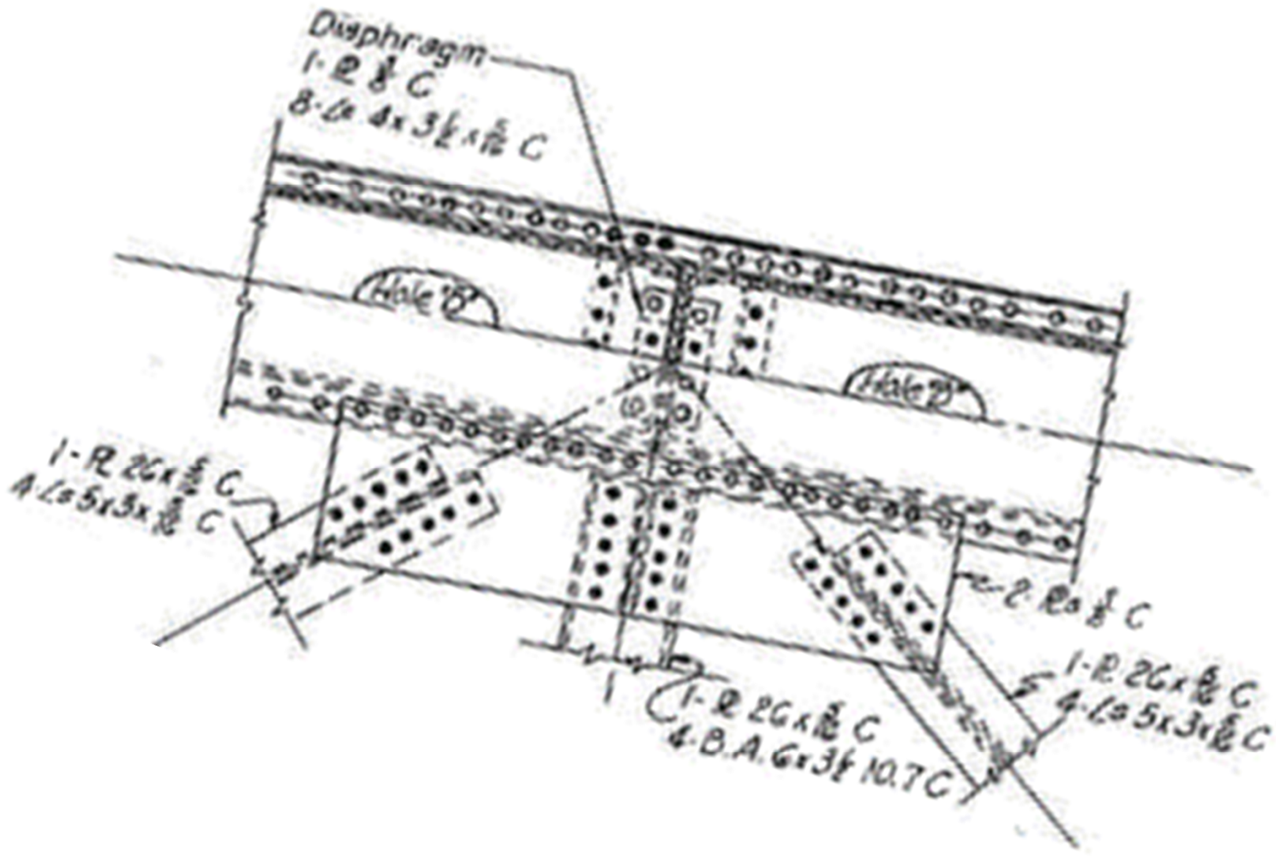
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 51

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U51

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

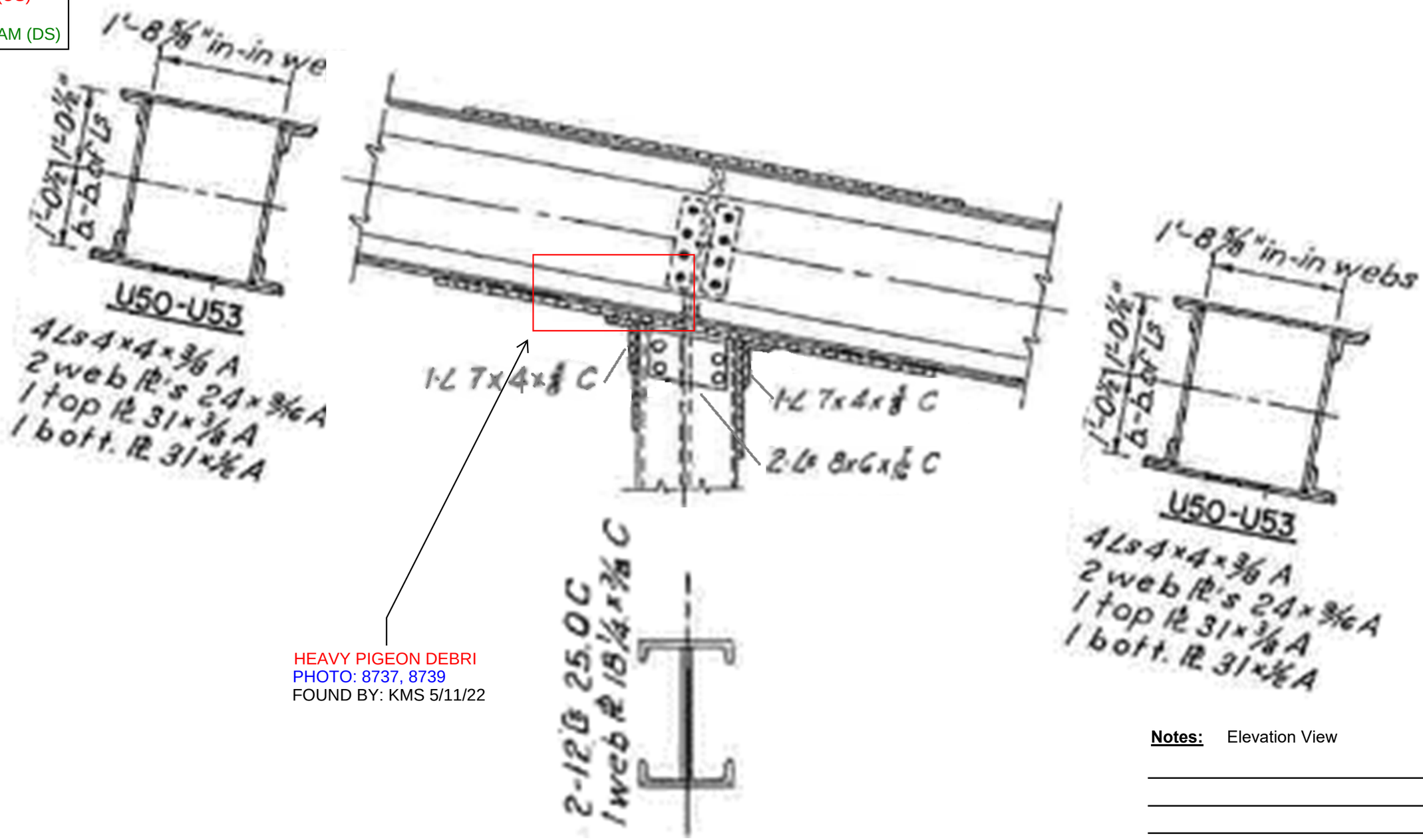
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U51

Span No. 4 Truss location U 51

UP STREAM (US)

DOWN STREAM (DS)



HEAVY PIGEON DEBRI
PHOTO: 8737, 8739
FOUND BY: KMS 5/11/22

Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

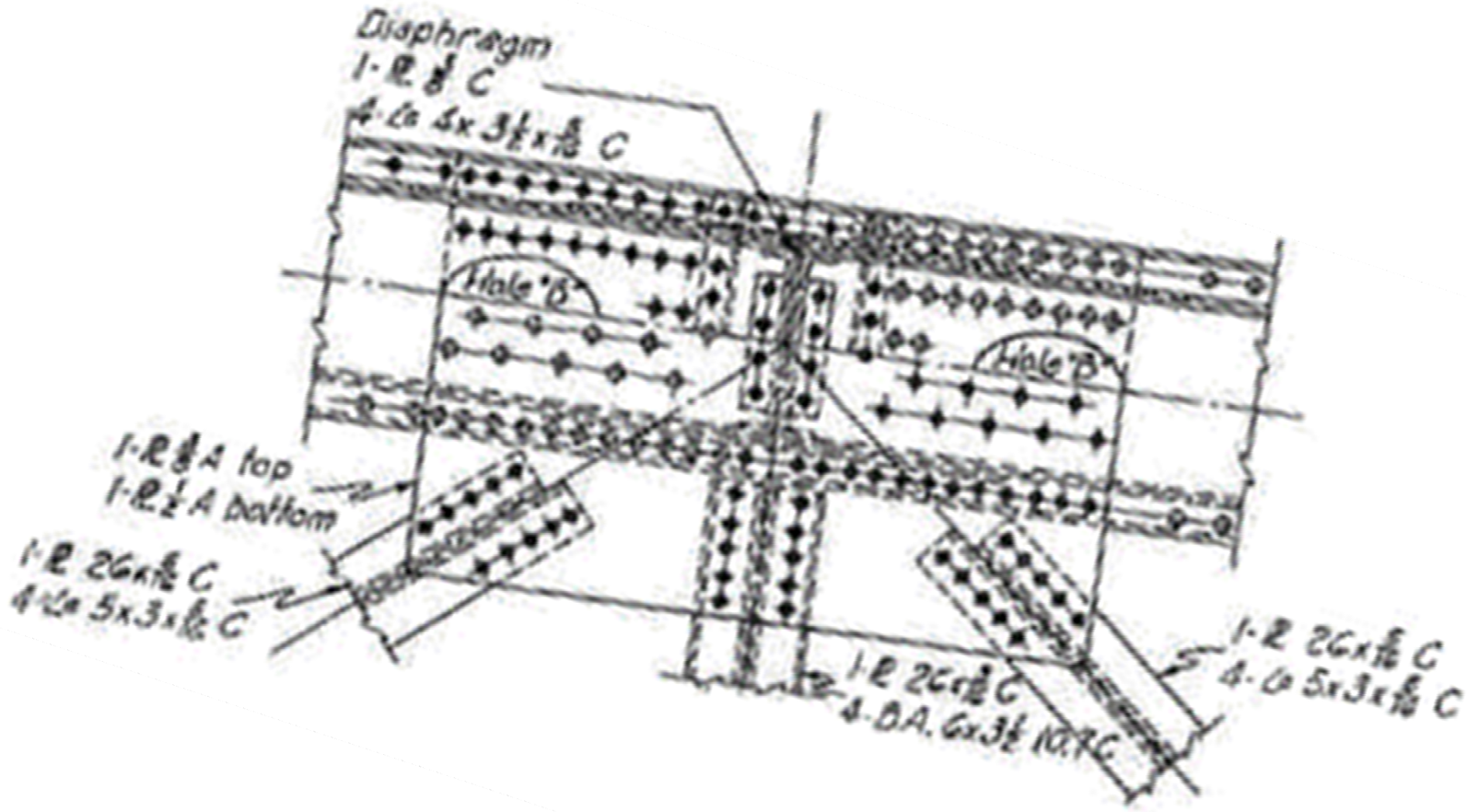
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 52

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U52

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 52

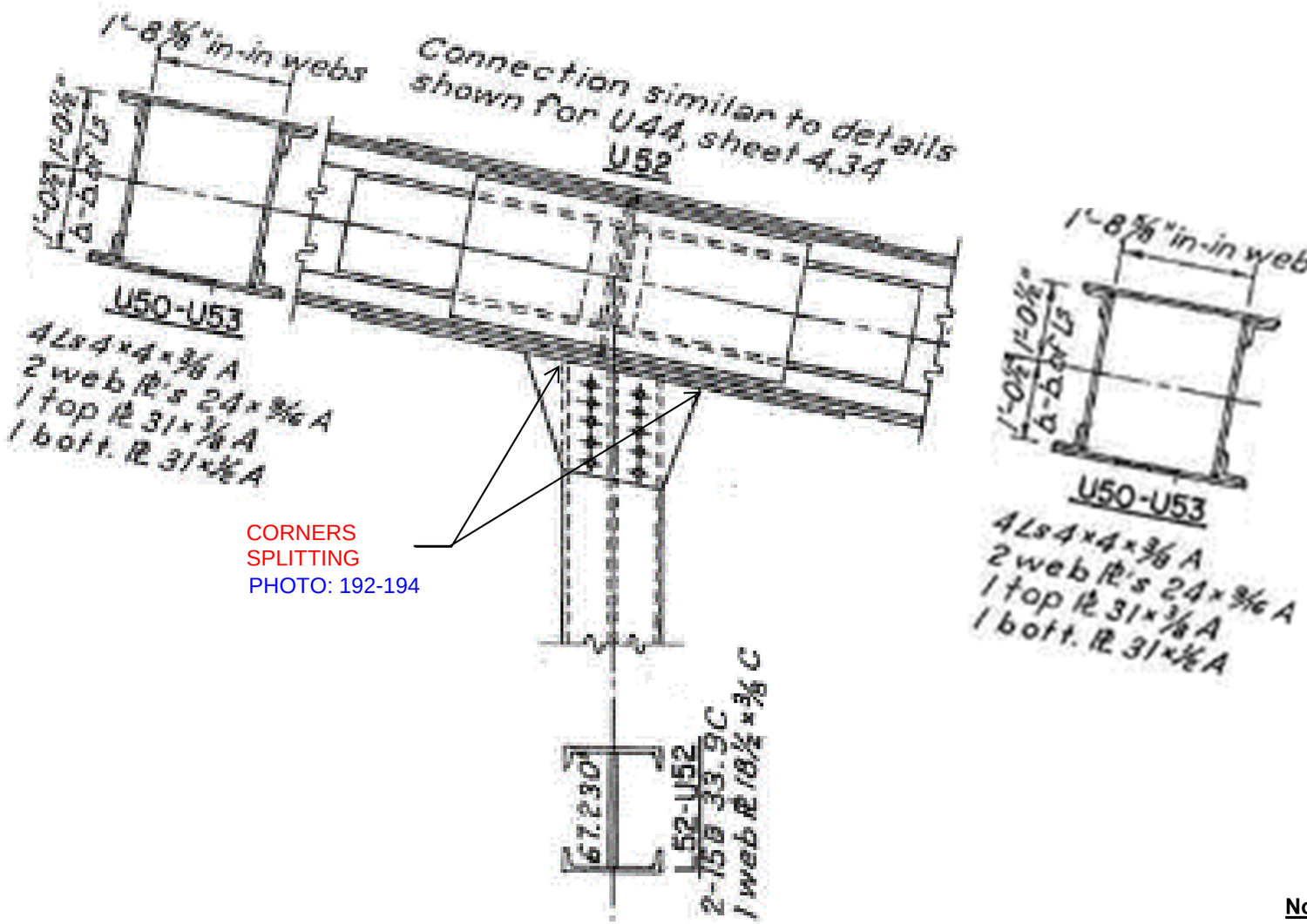
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U52

UP STREAM (US)

DOWN STREAM (DS)

Details of conection not shown are similar to U44

Elevation View U44'!A1



Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

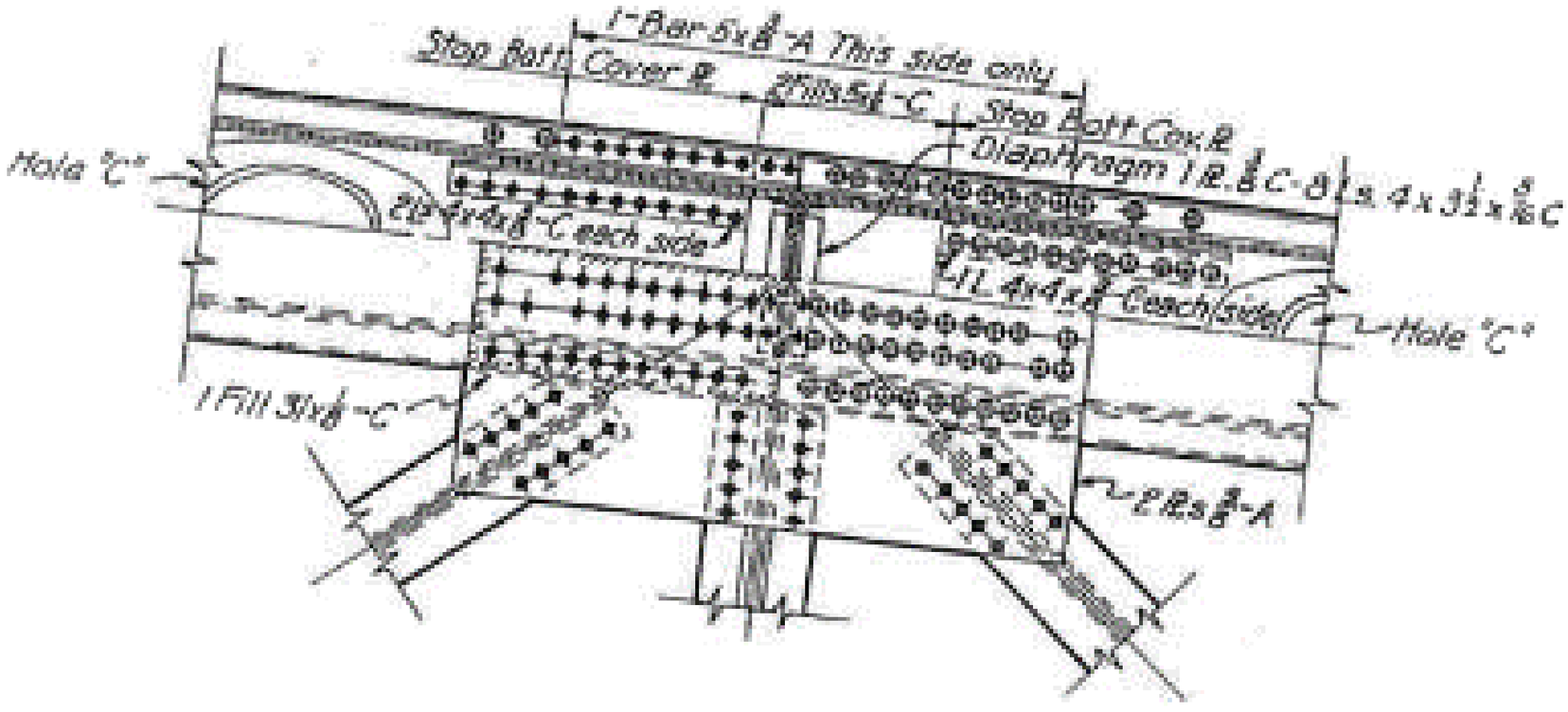
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 53

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U53

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 53

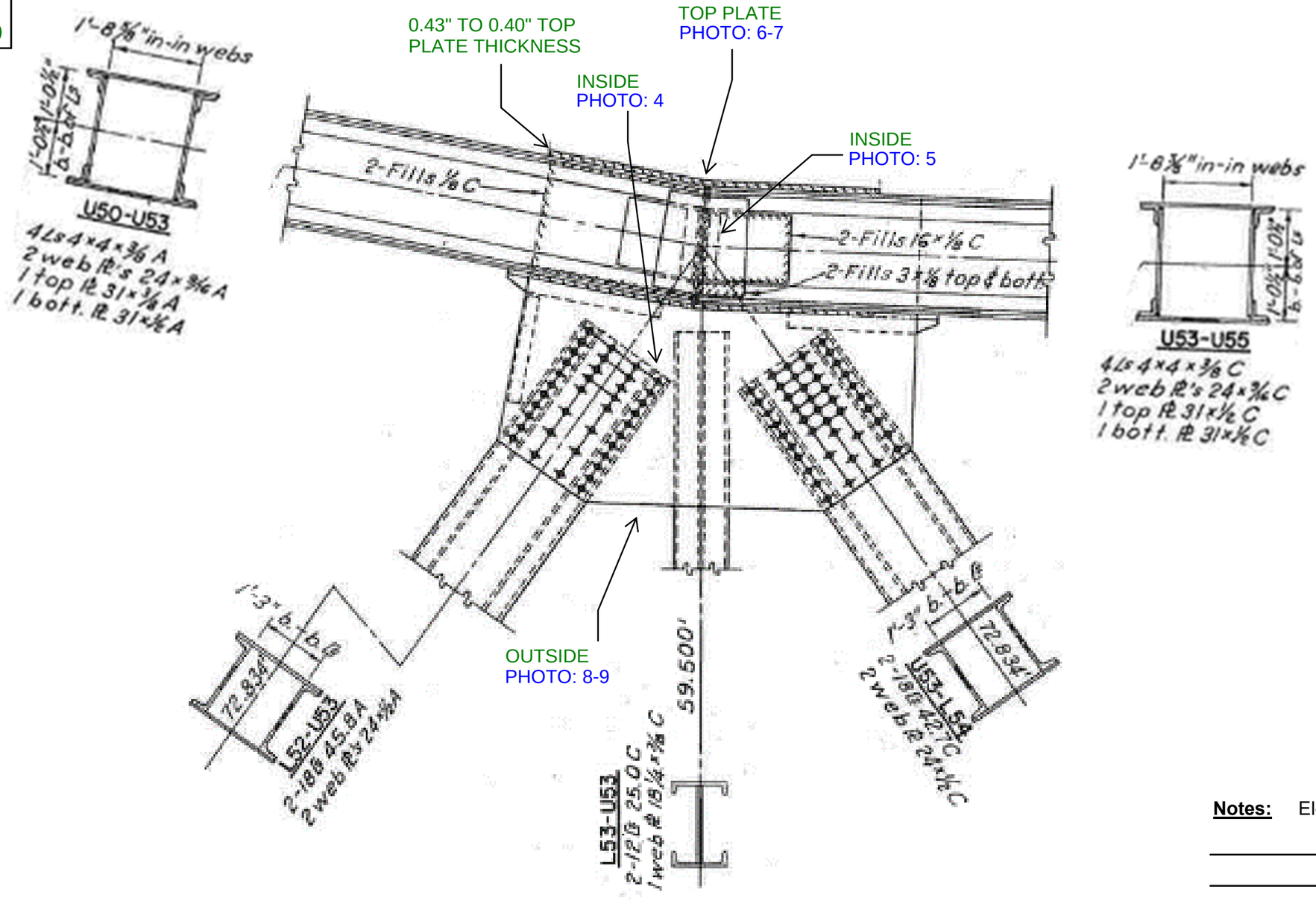
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U53

UP STREAM (US)

DOWN STREAM (DS)

Details of conection not shown are similar to U35

Elevation View U35'!A1



- PAINT LOSS
- MINOR SURFACE RUST

Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

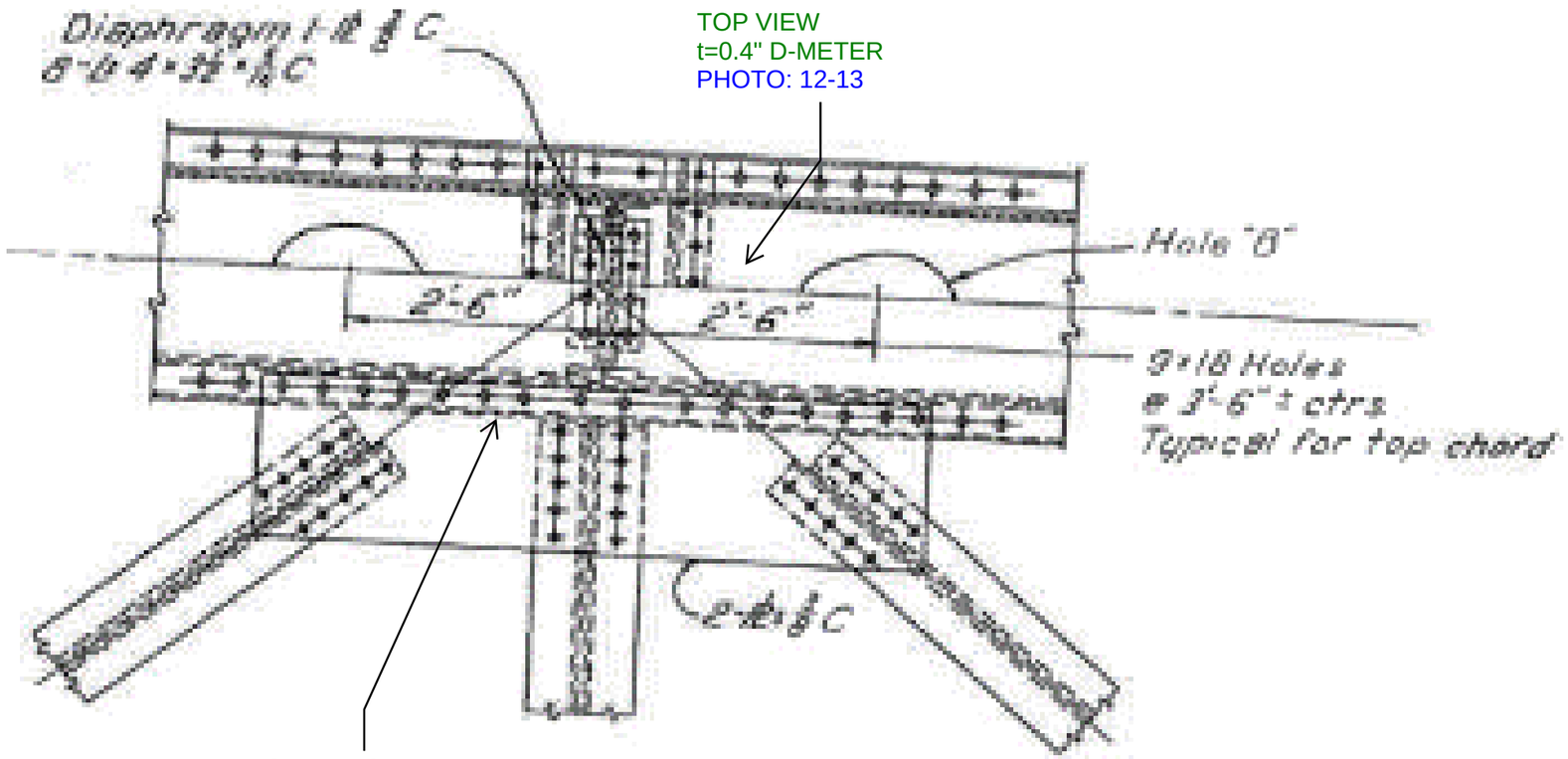
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
JAF/MKL Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 54

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U54

UP STREAM (US)

DOWN STREAM (DS)

- PEELING PAINT
- MINOR SURFACE RUST



Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
JAF/MKL Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _4_ Truss location _U 54_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U54

UP STREAM (US)

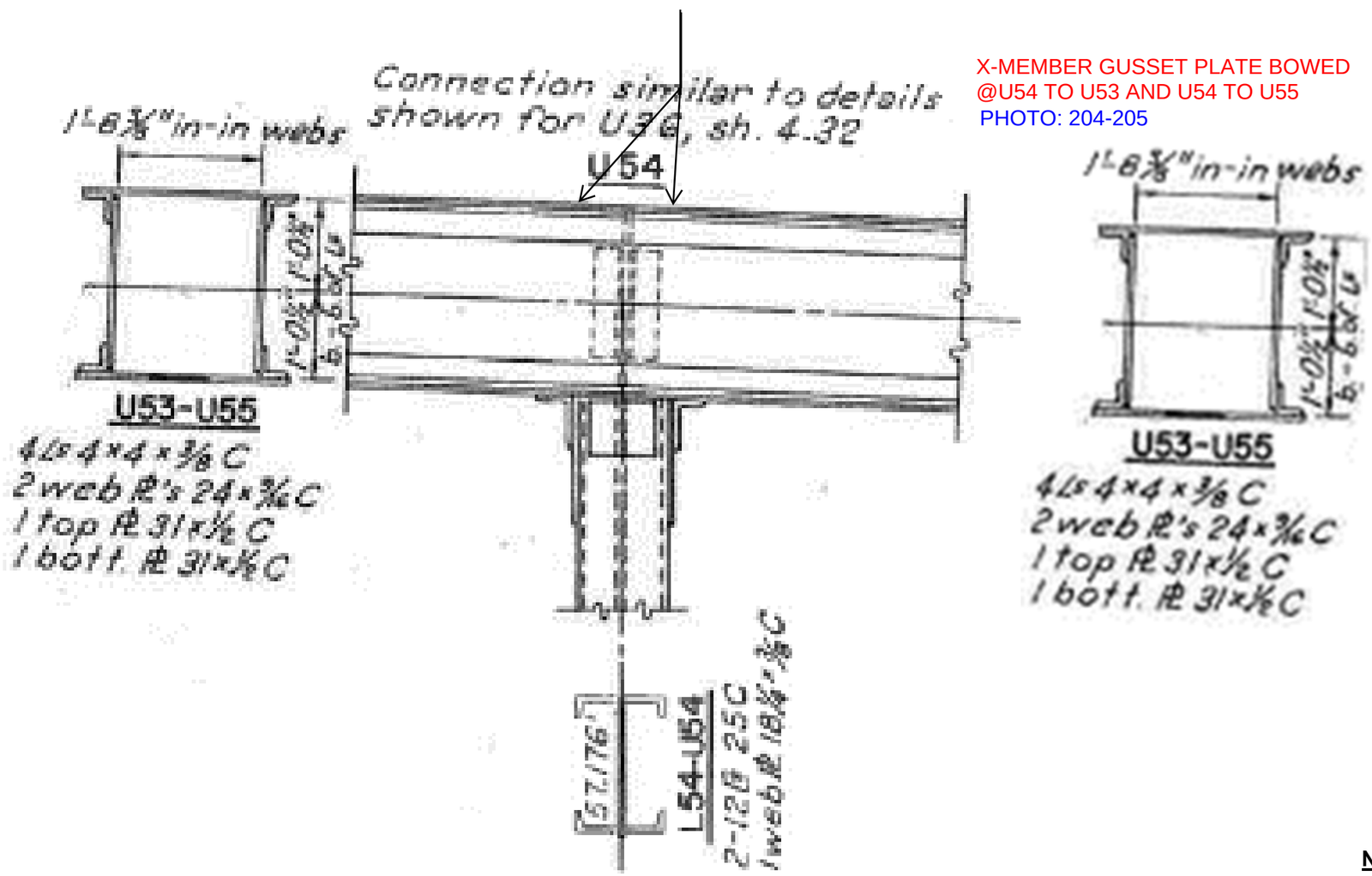
DOWN STREAM (DS)

Details of conection not shown are similar to U36

Elevation View U36'!A1

SLIGHT BOW ON UPPER GUSSET PLATE CONN. TO X-MEMBERS PHOTO: 200-203

X-MEMBER GUSSET PLATE BOWED @U54 TO U53 AND U54 TO U55 PHOTO: 204-205



Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

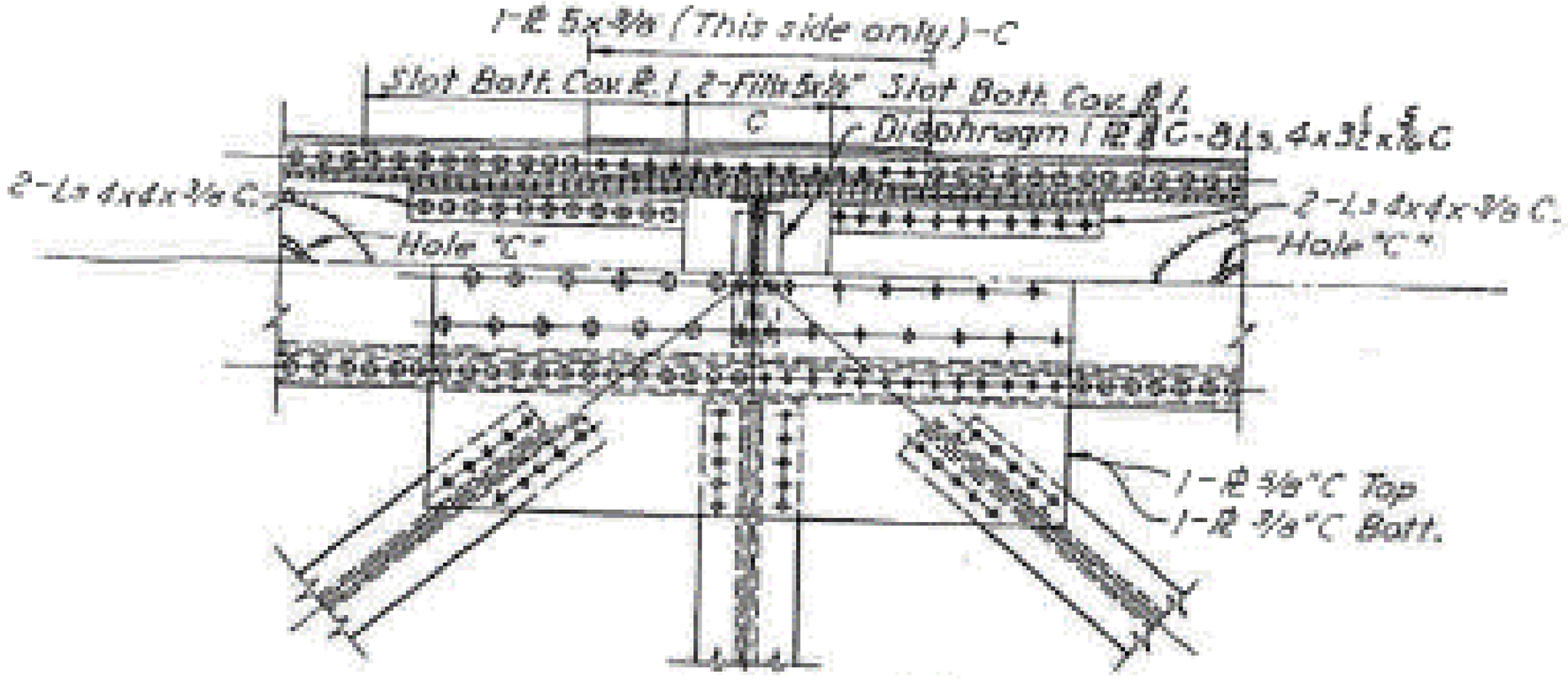
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 55

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U55

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

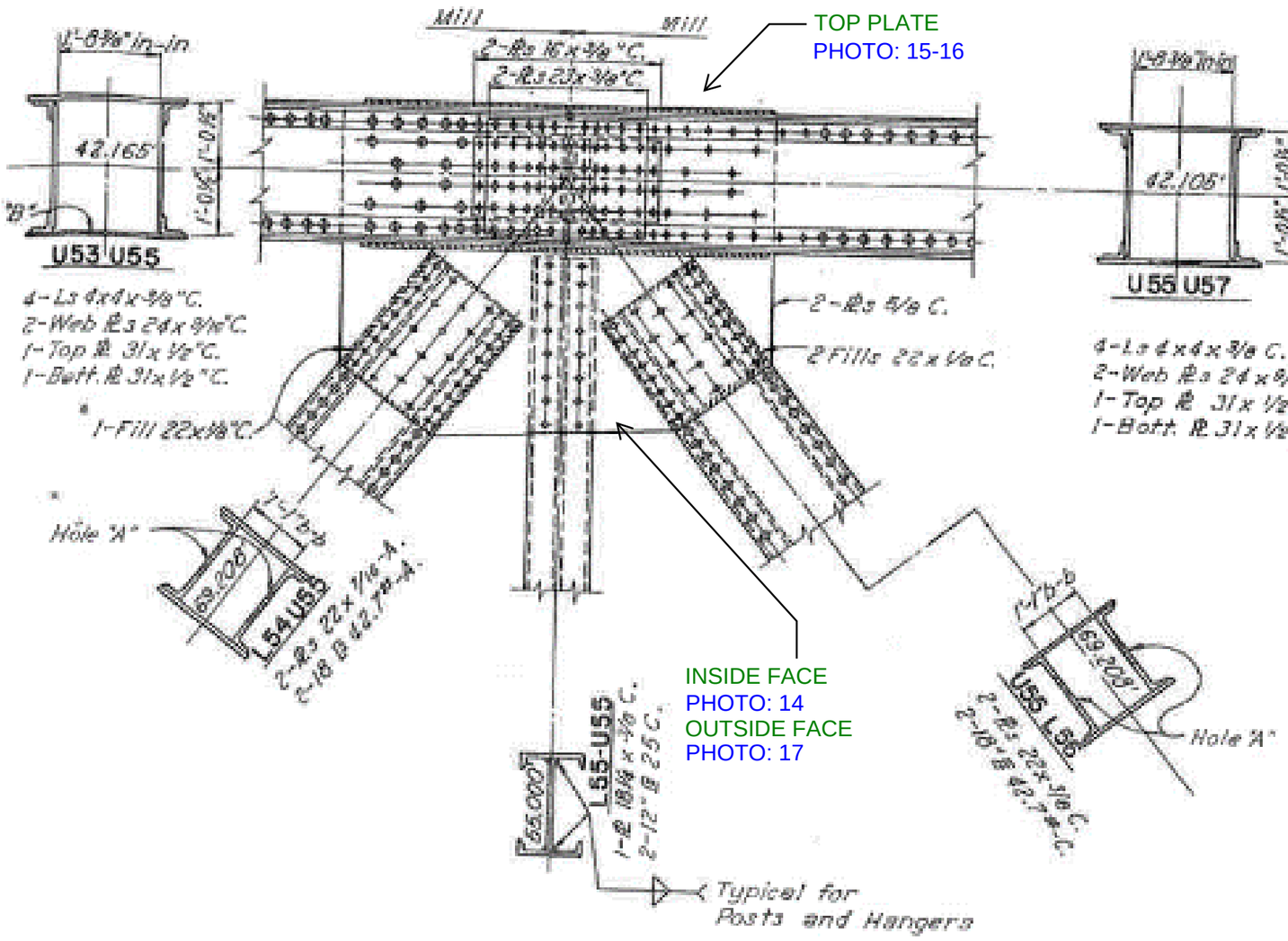
Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: EB/JP US: JFA/MKL Date: 5-3-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _4_ Truss location _U 55_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U55

UP STREAM (US)

DOWN STREAM (DS)



Back to U 57

Elevation View U57'!A1

- PEELING PAINT
- MINOR SURFACE RUST

Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

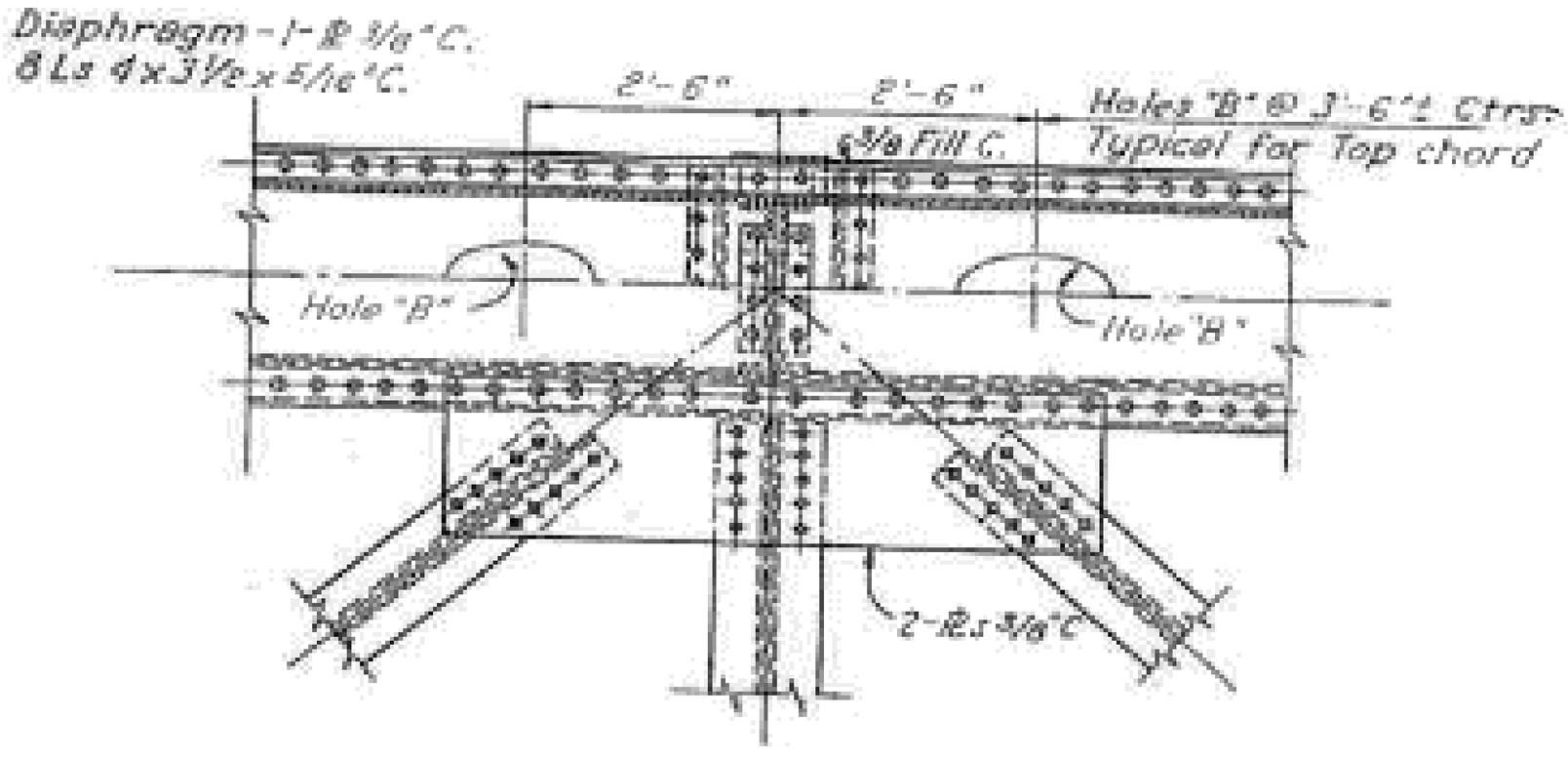
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U56

Span No. 4 Truss location U 56

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

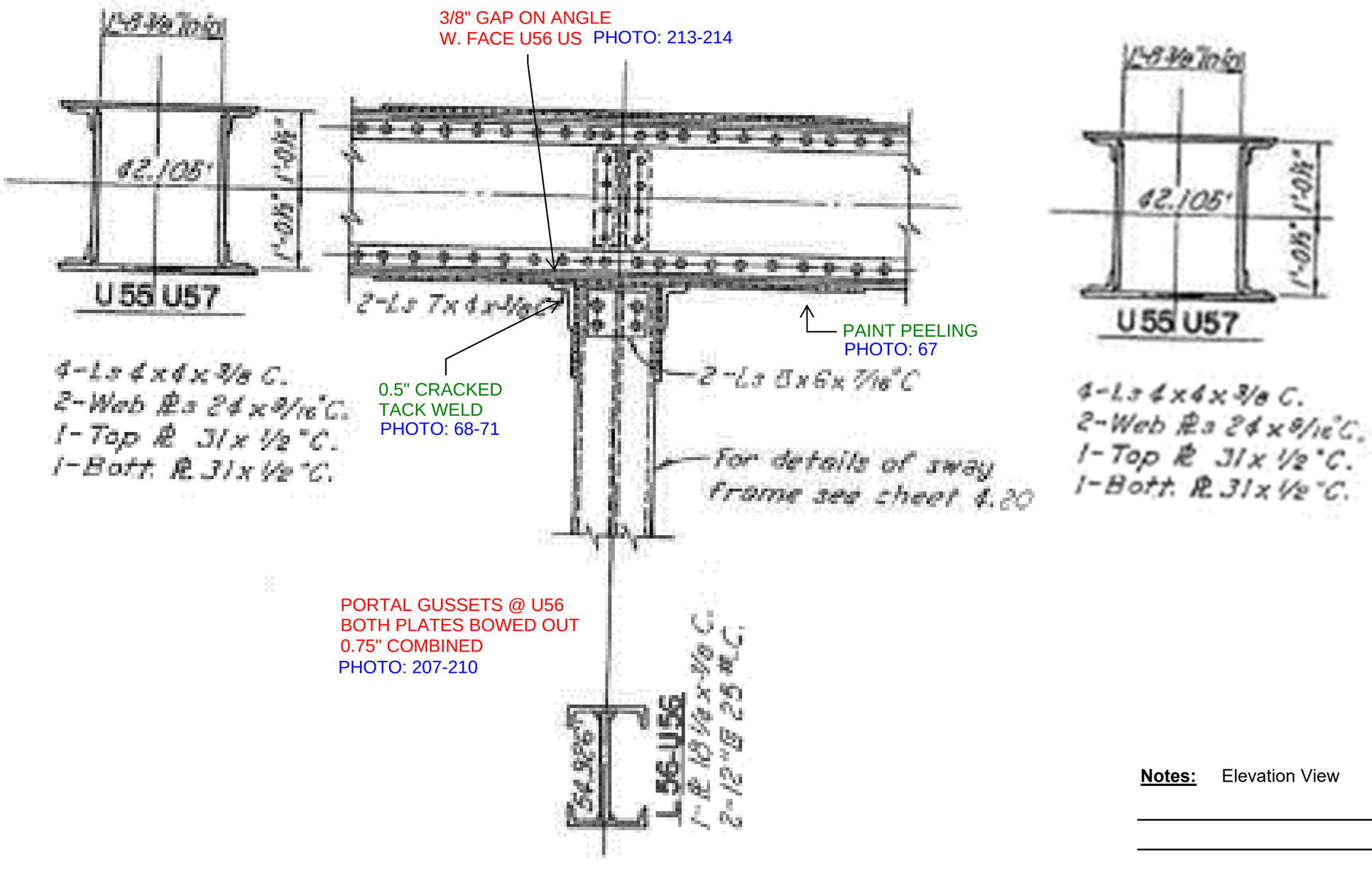
Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _4_ Truss location _U 56_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U56

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

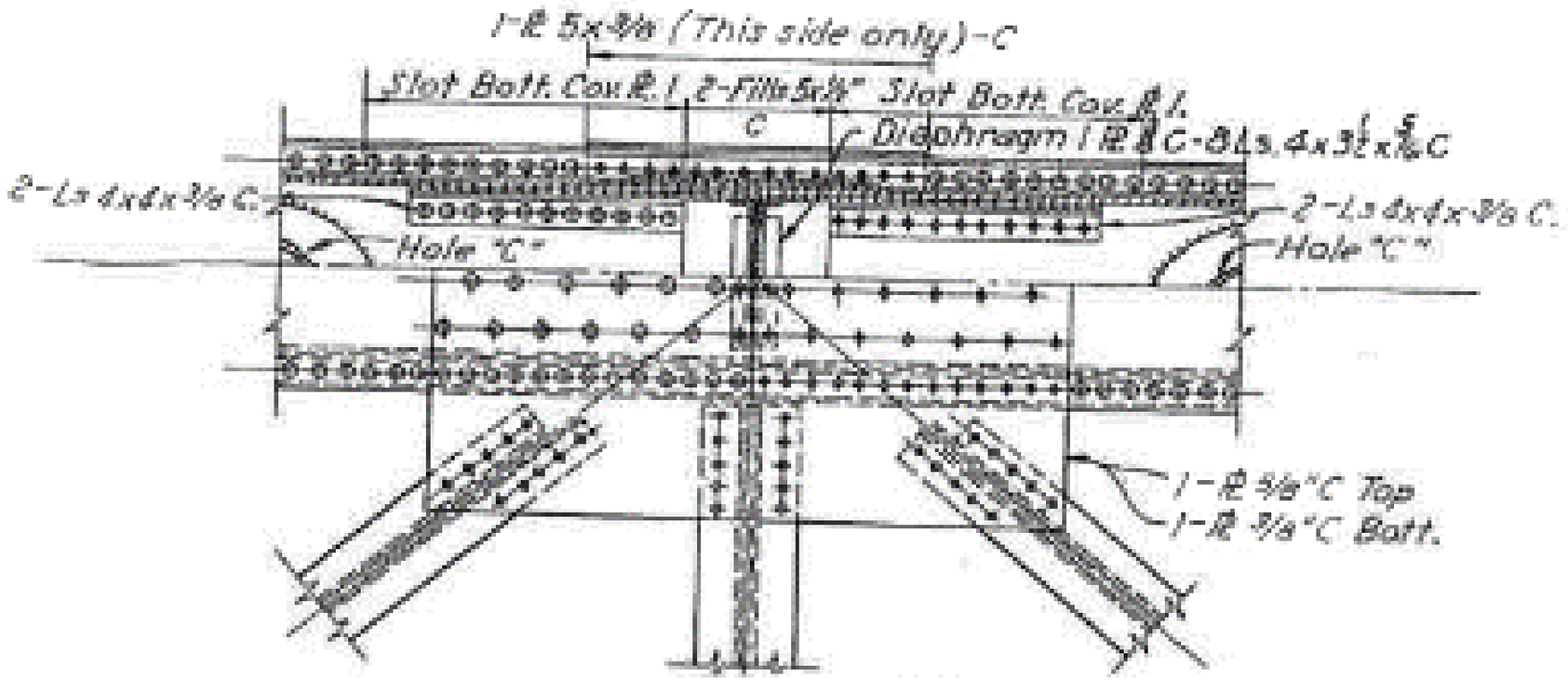
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 57

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U57

UP STREAM (US)

DOWN STREAM (DS)

SURFACE RUST AND PAINT FLAKING



Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 57

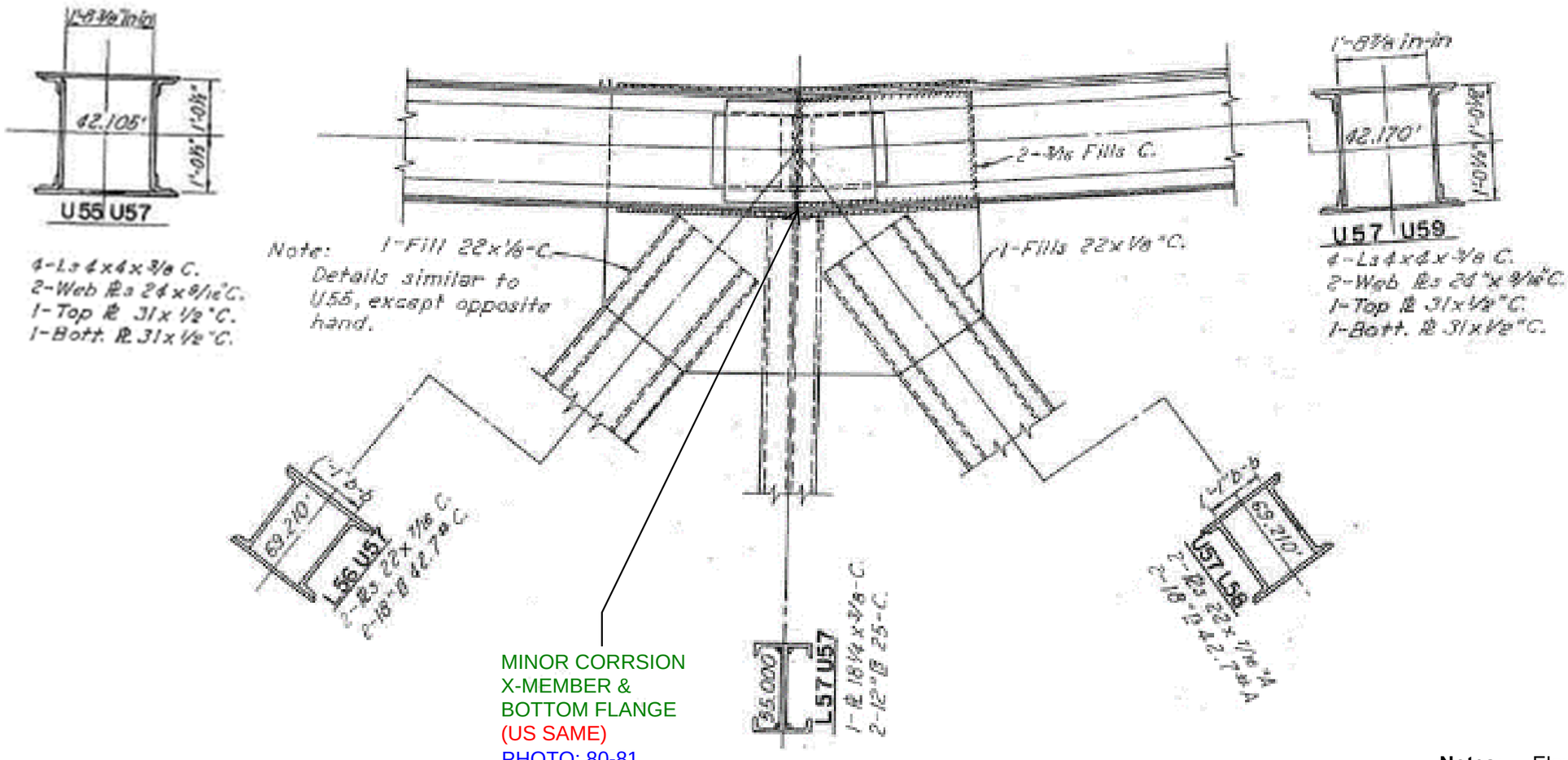
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U57

UP STREAM (US)

DOWN STREAM (DS)

Details not shown are opposite hand to to joint U55

Elevation View U55'!A1



MINOR CORRSION
X-MEMBER &
BOTTOM FLANGE
(US SAME)
PHOTO: 80-81

Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

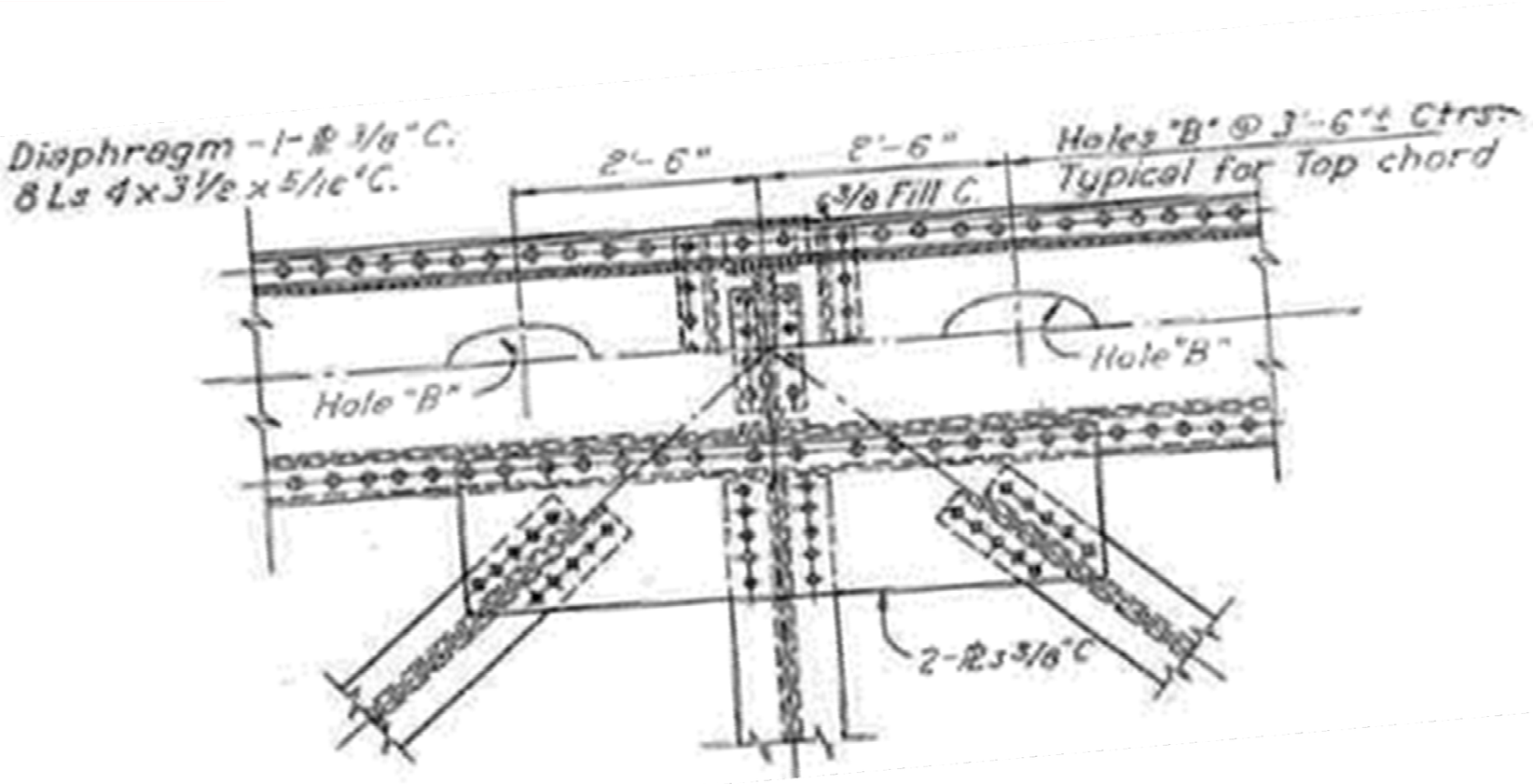
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 58

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U58

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

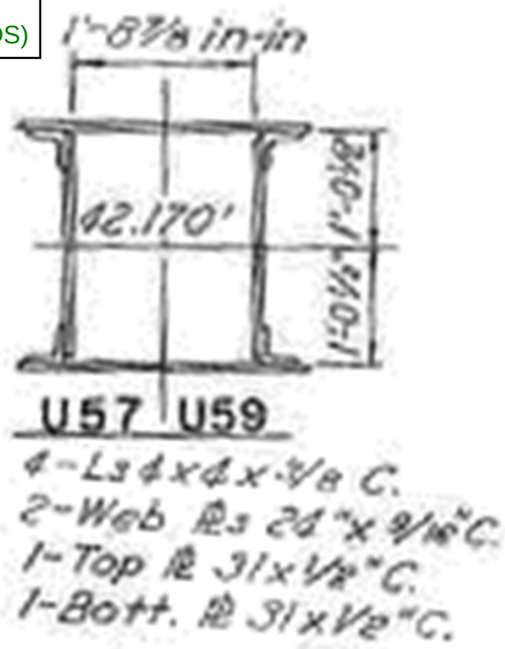
Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 58

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U58

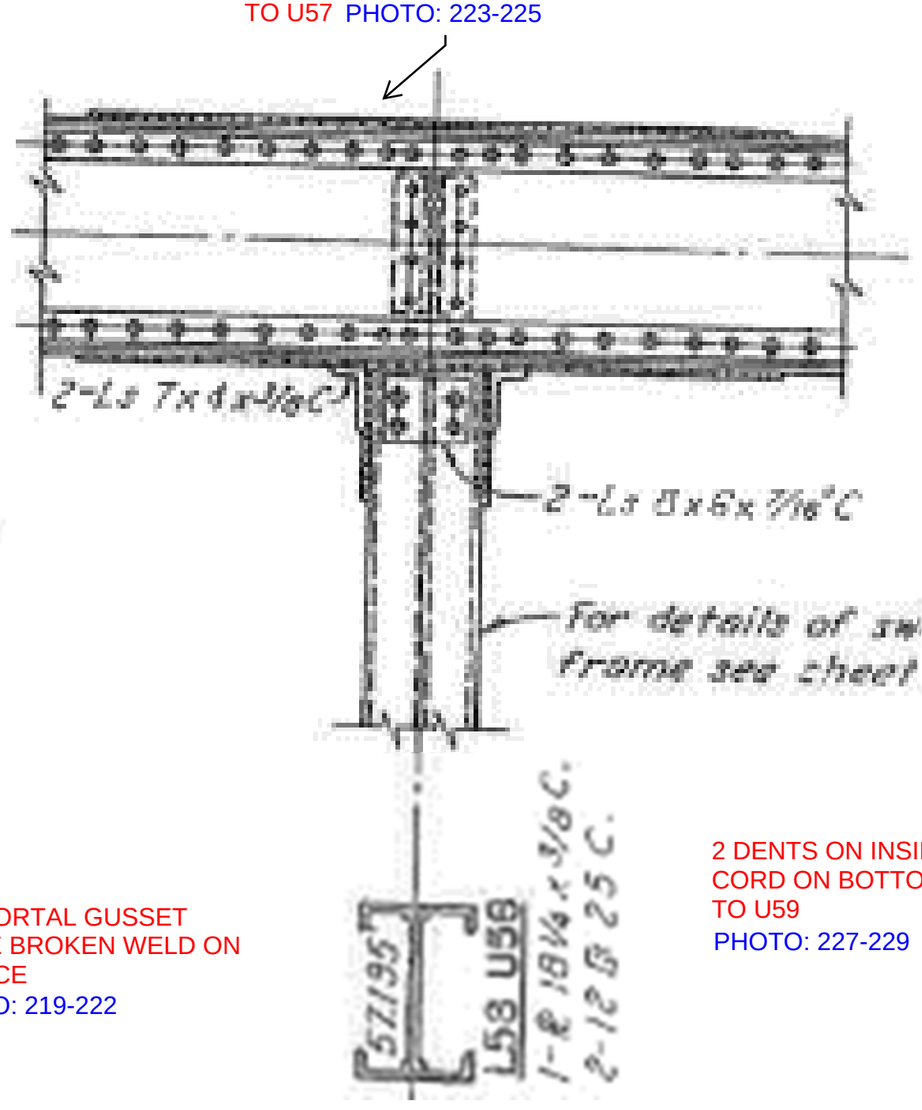
UP STREAM (US)

DOWN STREAM (DS)

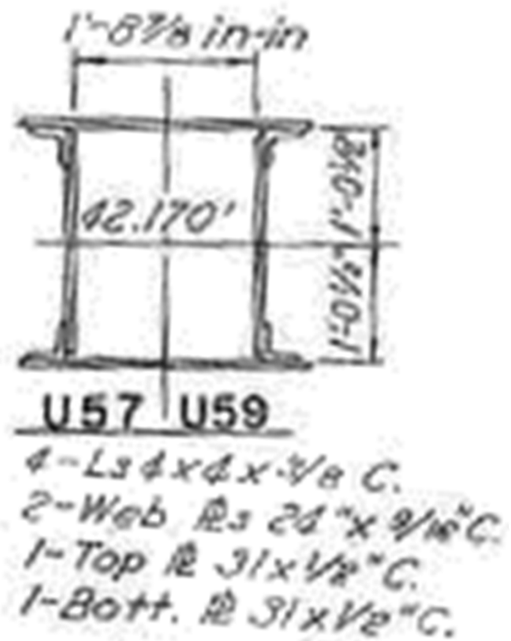


SURFACE RUST AND PAINT FLAKING

3/16" GAP ON TOP GUSSET PLATE X-MEMBER CONN. U58 TO U57 PHOTO: 223-225



U58 PORTAL GUSSET PLATE BROKEN WELD ON W. FACE
PHOTO: 219-222



2 DENTS ON INSIDE OF TOP CORD ON BOTTOM FLANGE U58 TO U59
PHOTO: 227-229

Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

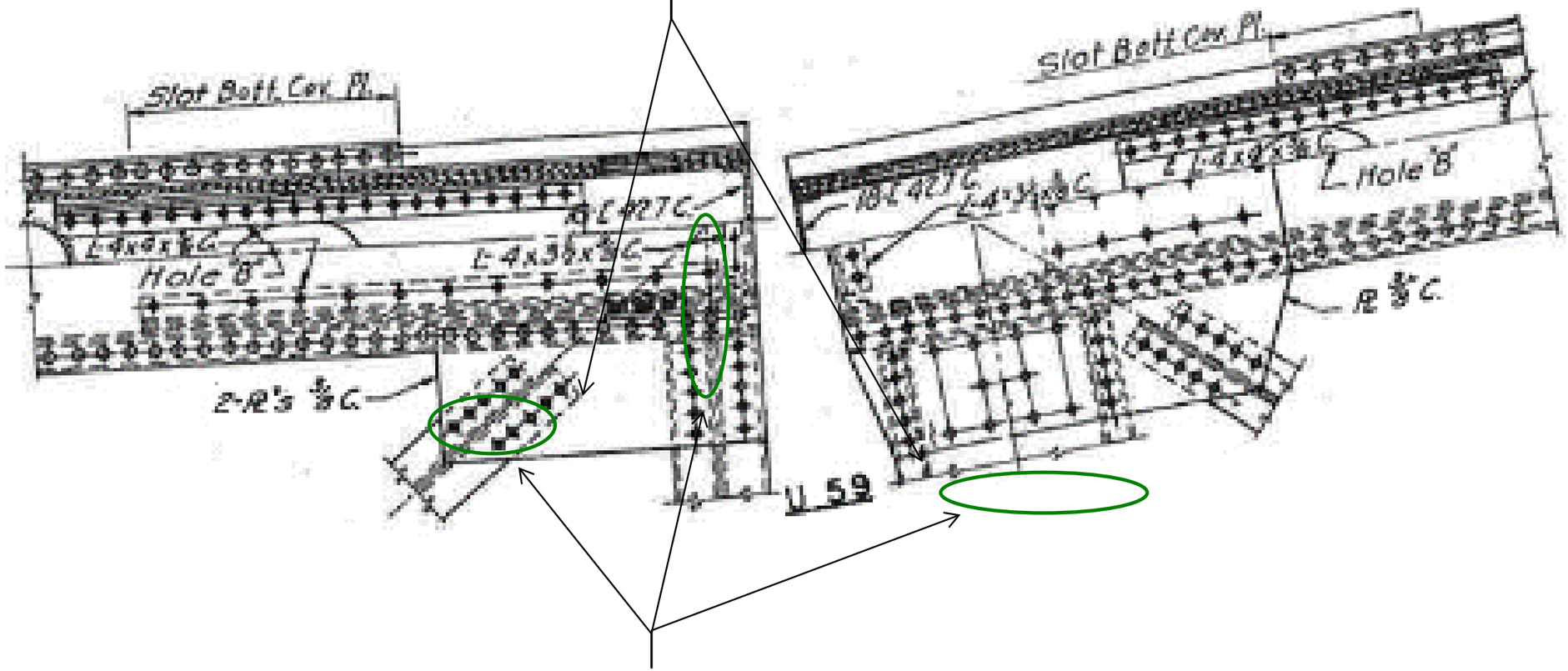
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U59

Span No. 4 Truss location U 59

UP STREAM (US)

DOWN STREAM (DS)

MISSING RIVIT/BOLT
PHOTO: 89 &97-99



SEVERAL BOLTS
INSTEAD OF RIVITS
PHOTO: 85-86

Notes: Plan View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

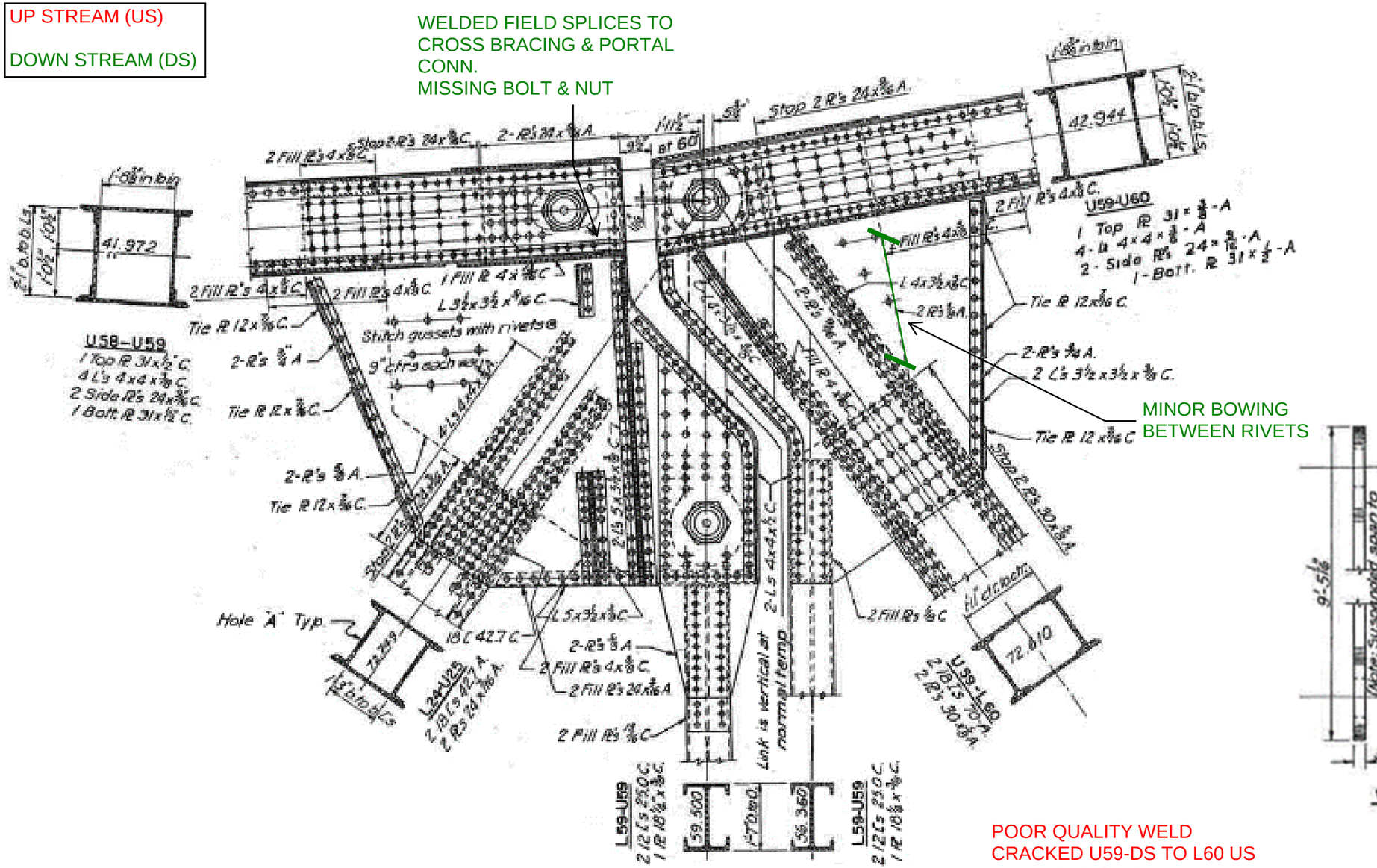
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 59

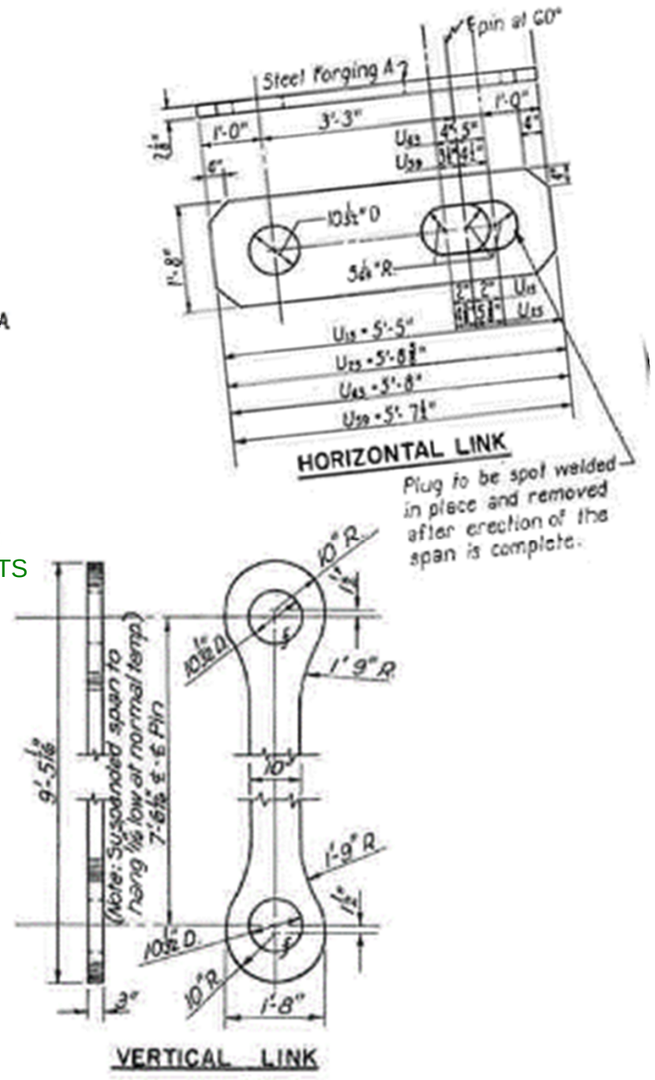
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U59

UP STREAM (US)

DOWN STREAM (DS)

WELDED FIELD SPLICES TO CROSS BRACING & PORTAL CONN.
MISSING BOLT & NUT





POOR QUALITY WELD
CRACKED U59-DS TO L60 US
x MEMBER @ US
PHOTO: 251-253

Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

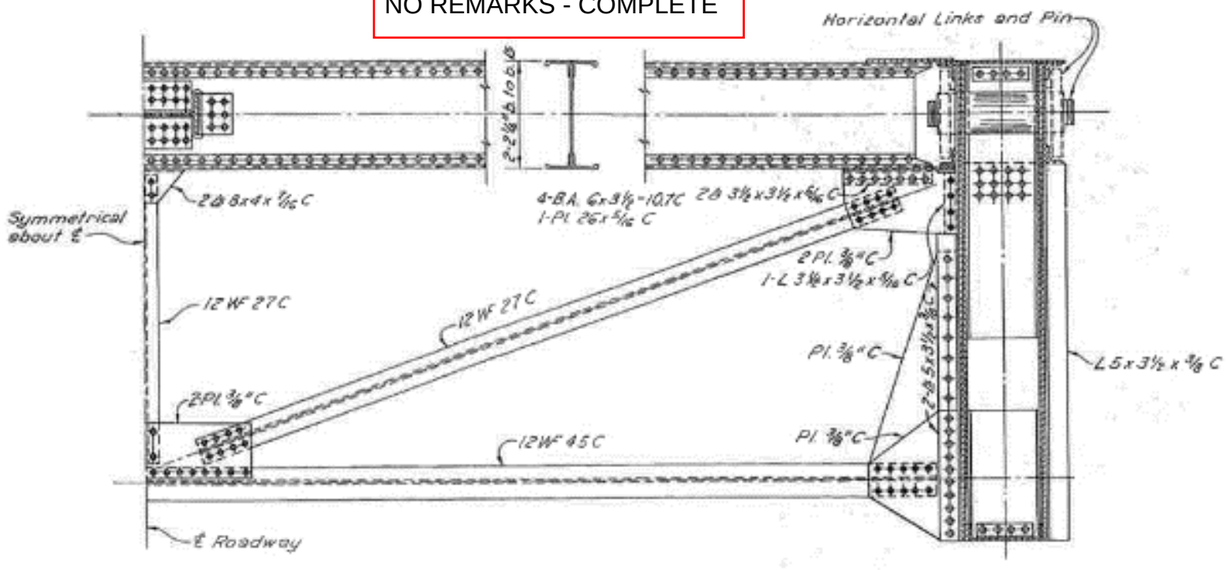
UP STREAM (US)

DOWN STREAM (DS)

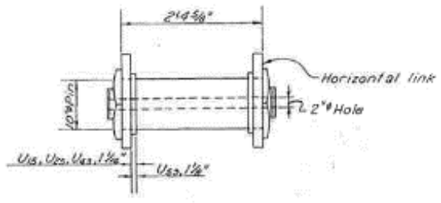
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 59

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U59 continued

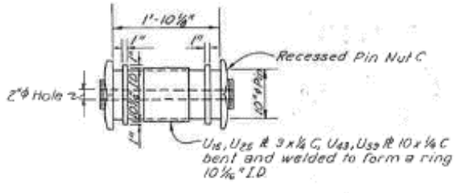
NO REMARKS - COMPLETE



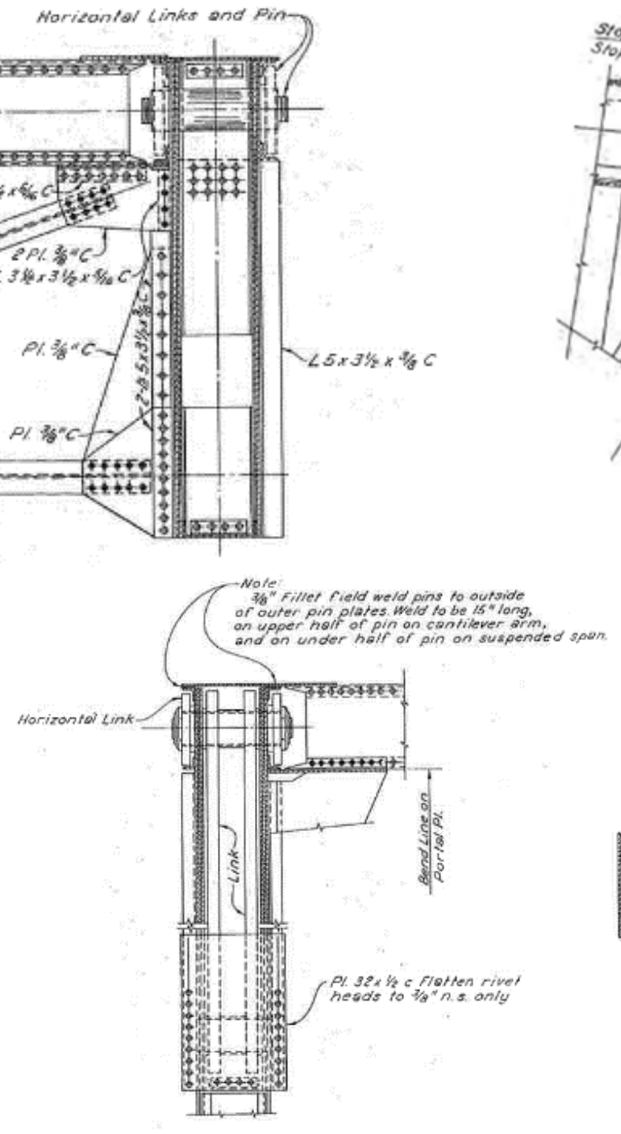
SECTION A-A



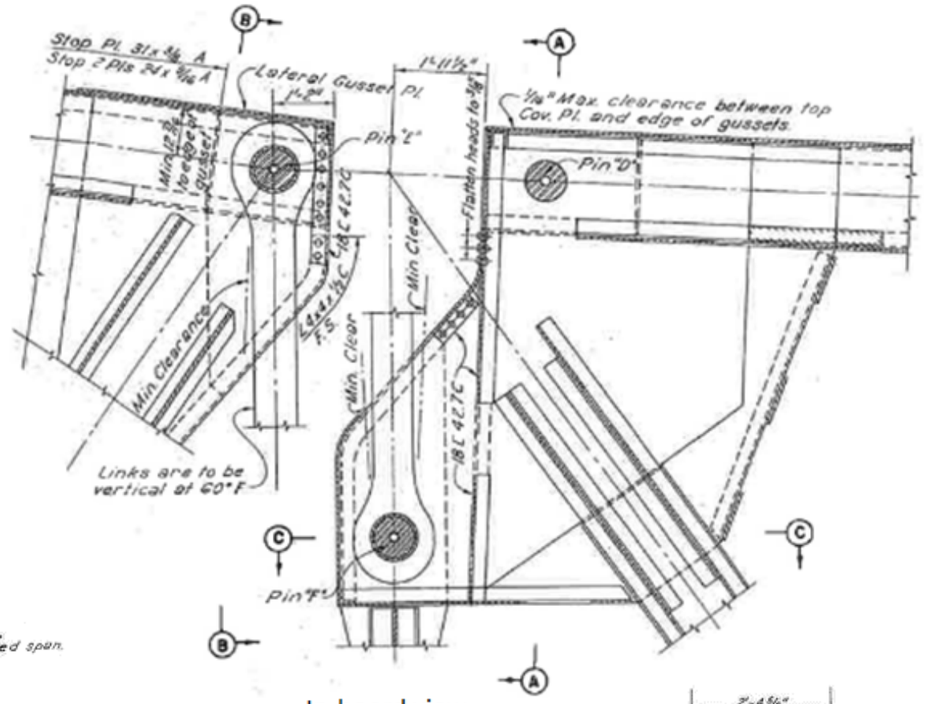
PIN "D" DETAIL



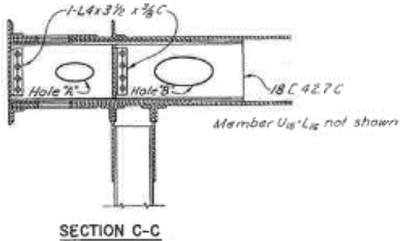
PIN "F" DETAIL



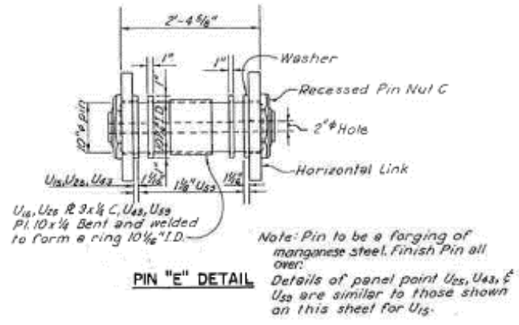
SECTION B-B



In-board view



SECTION C-C



PIN "E" DETAIL

Notes: Additional Details

Michael Baker
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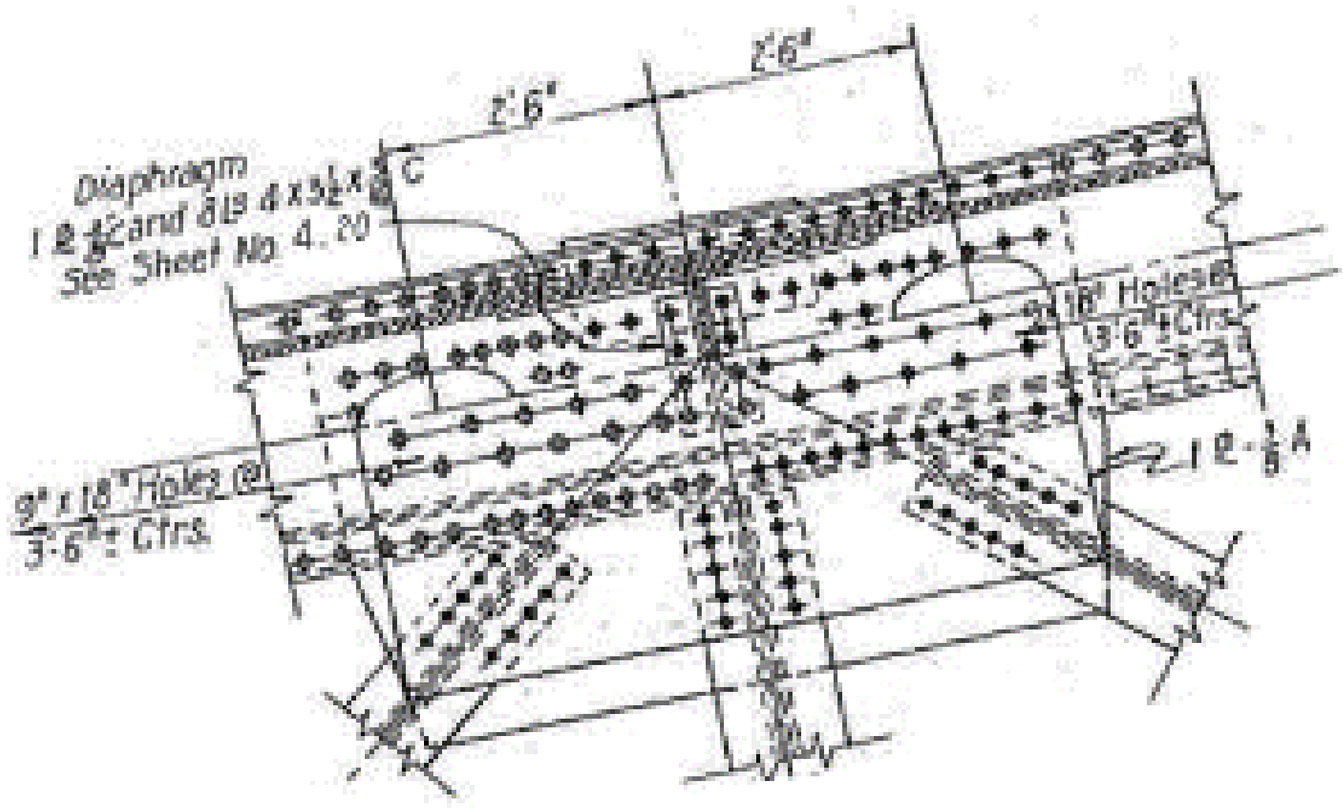
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 60

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U60

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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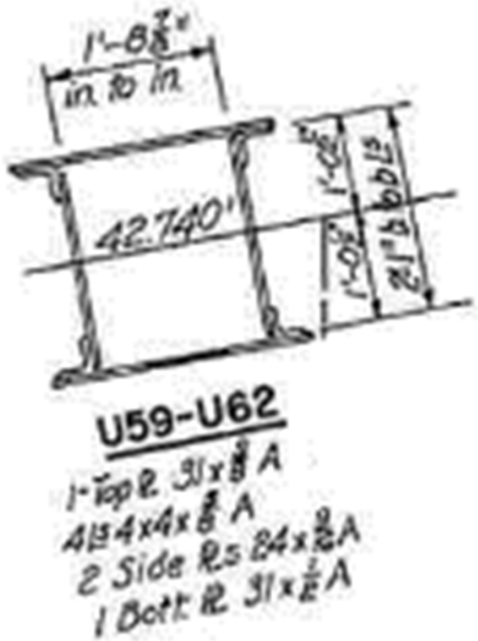
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 60

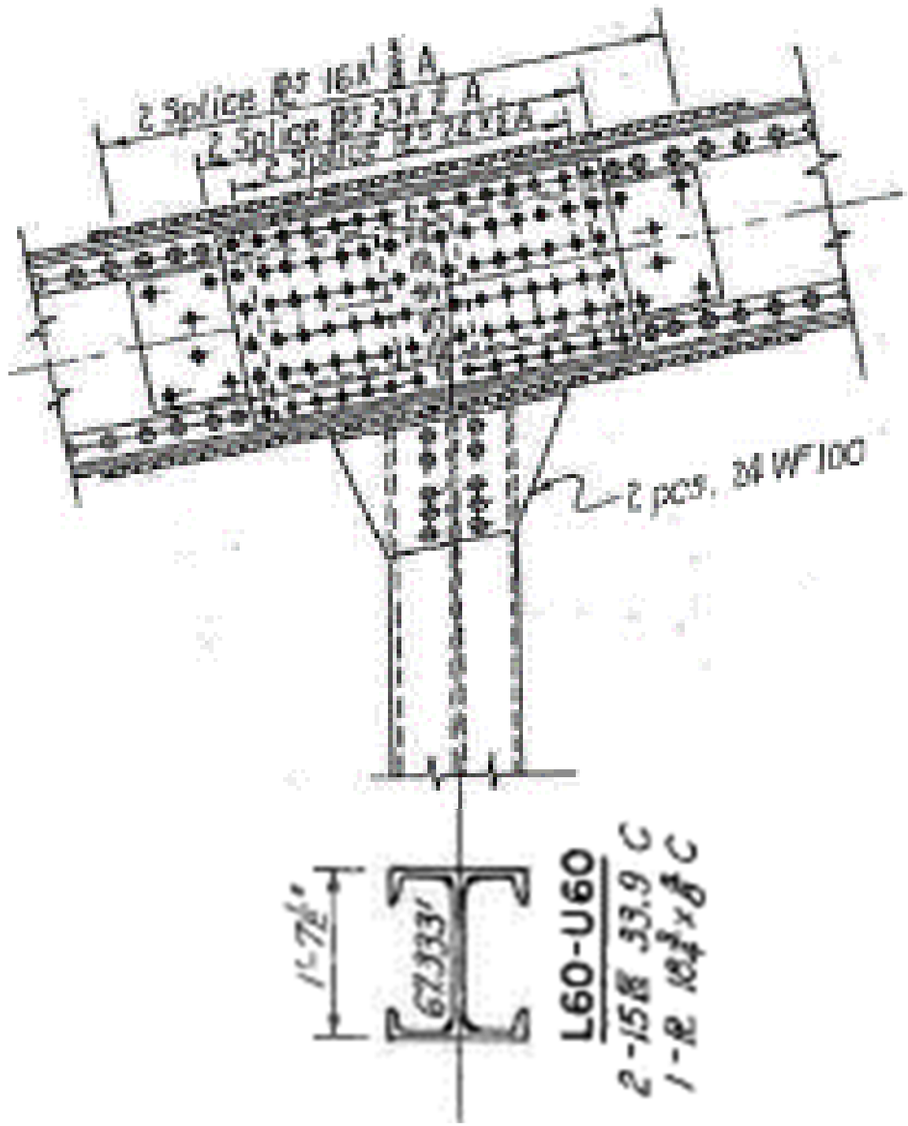
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U60

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE





Notes: Elevation View

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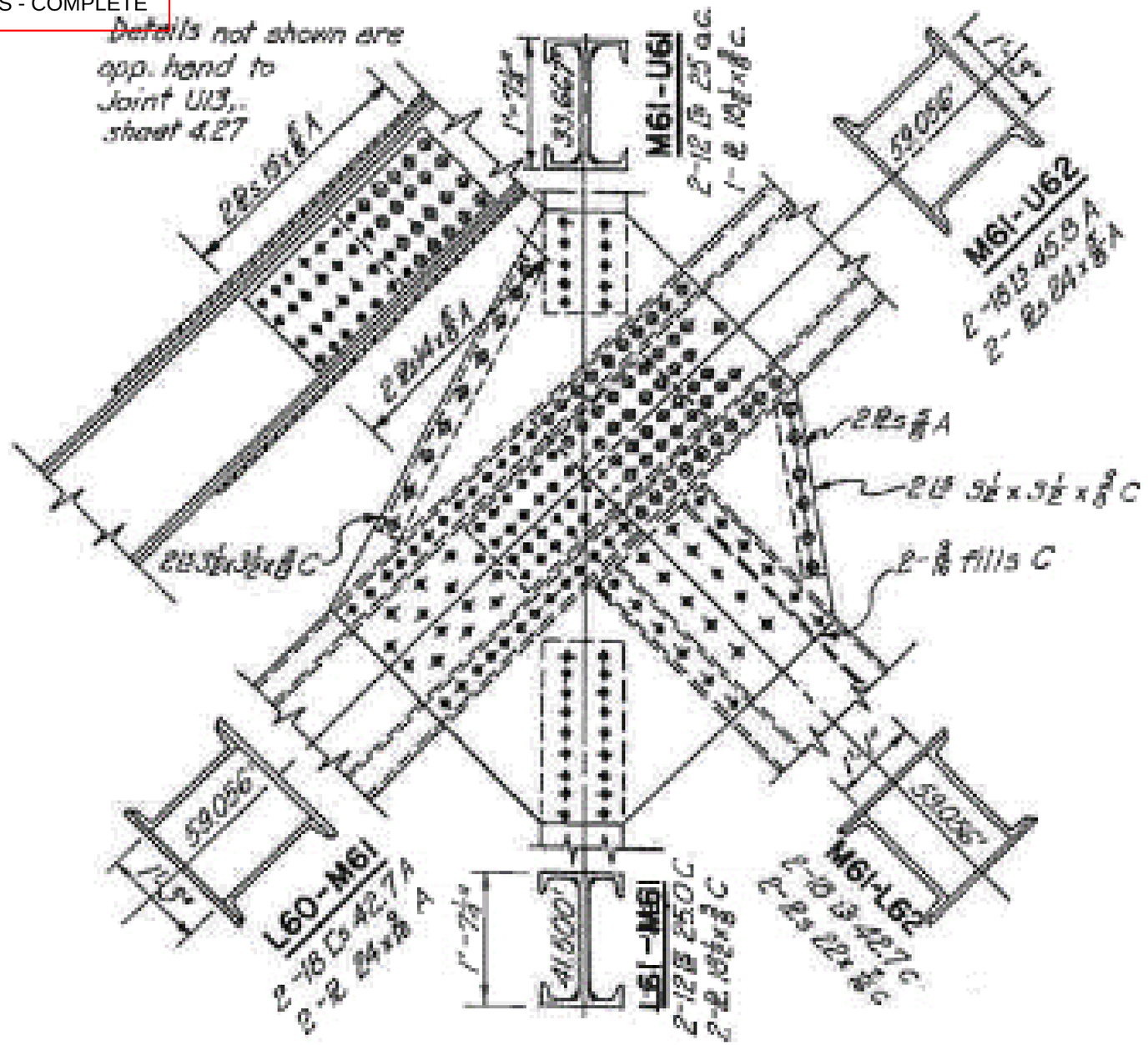
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location M 61

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M61

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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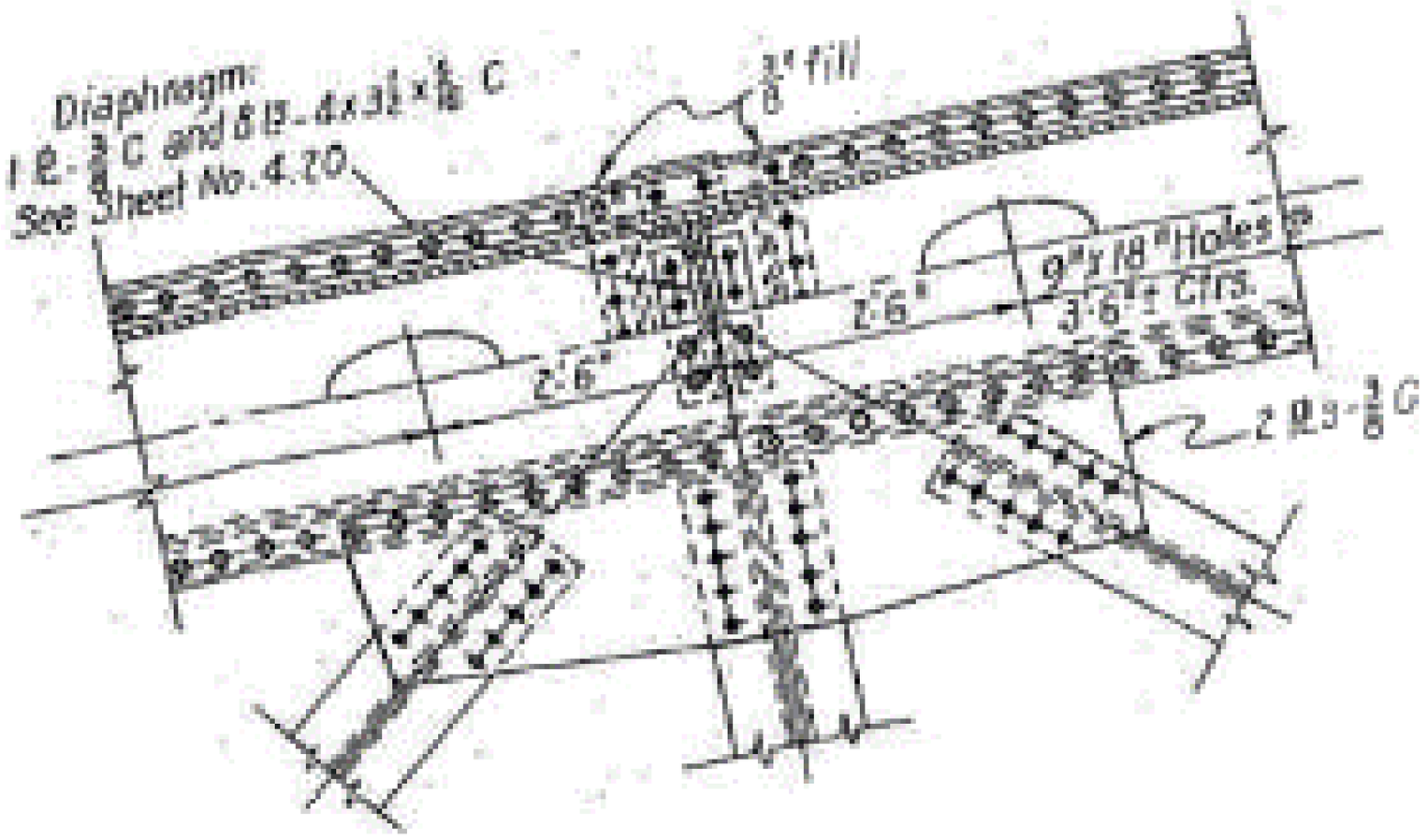
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 61

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U61

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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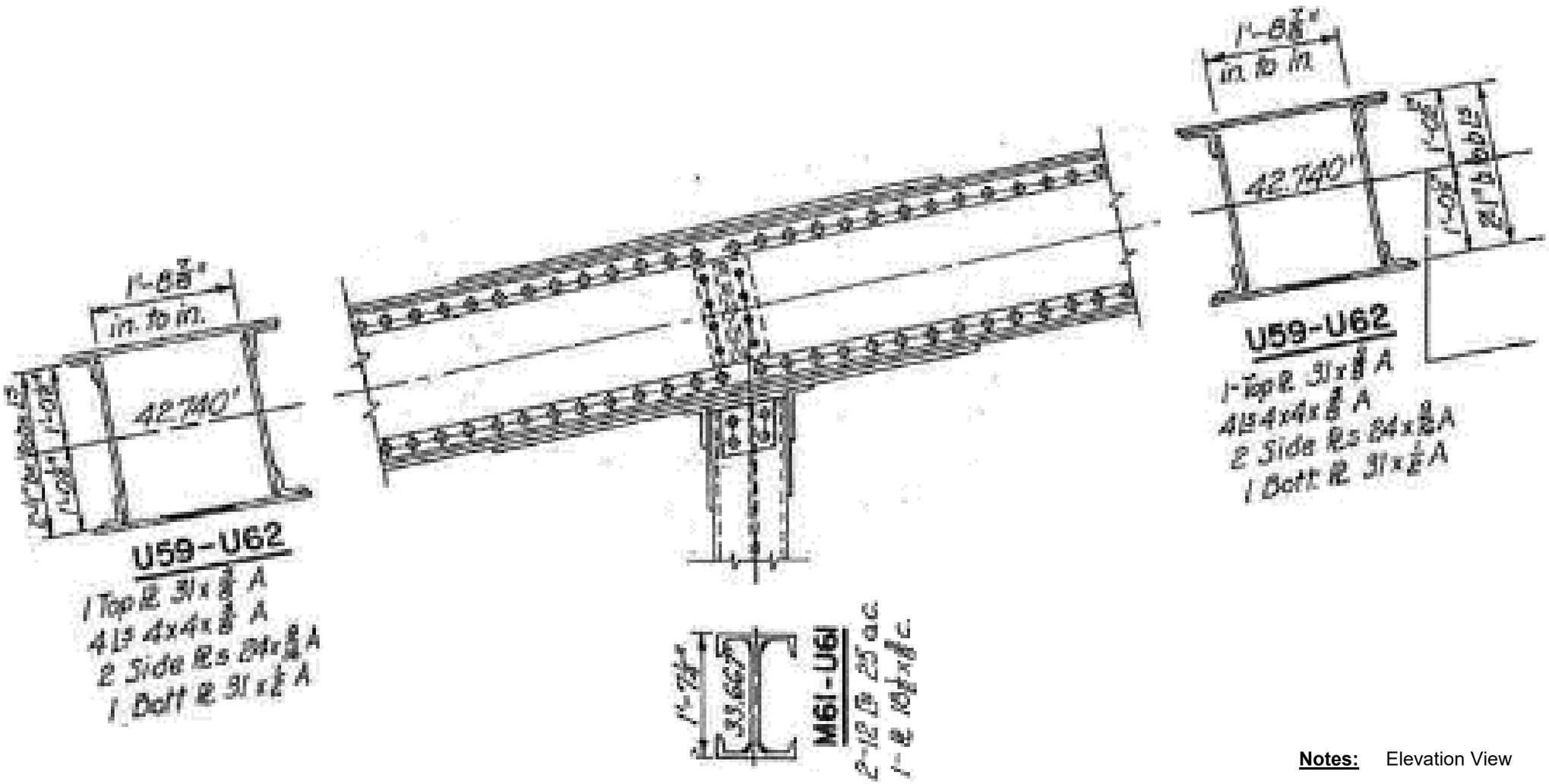
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 61

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U61

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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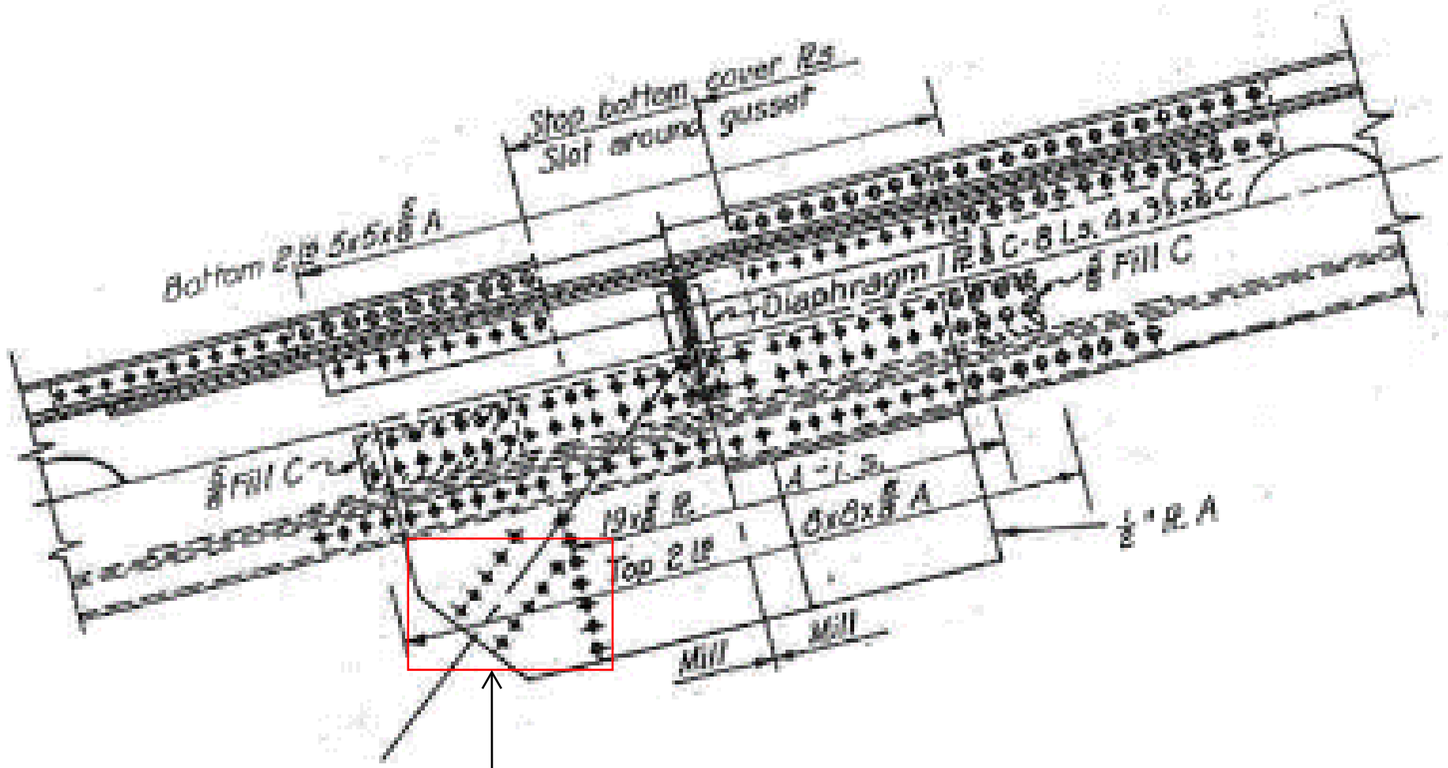
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 62

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U62

UP STREAM (US)

DOWN STREAM (DS)



LATERAL GUSSET, US. I.S. TOP WELD WHERE BRACING FRAMS IN IS FULLY CRACKED AND FILLPLATE IS BOWED
PHOTO: 8709, 8710, 8711
FOUND BY: KMS 5/10/22

Notes: PLAN VIEW

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

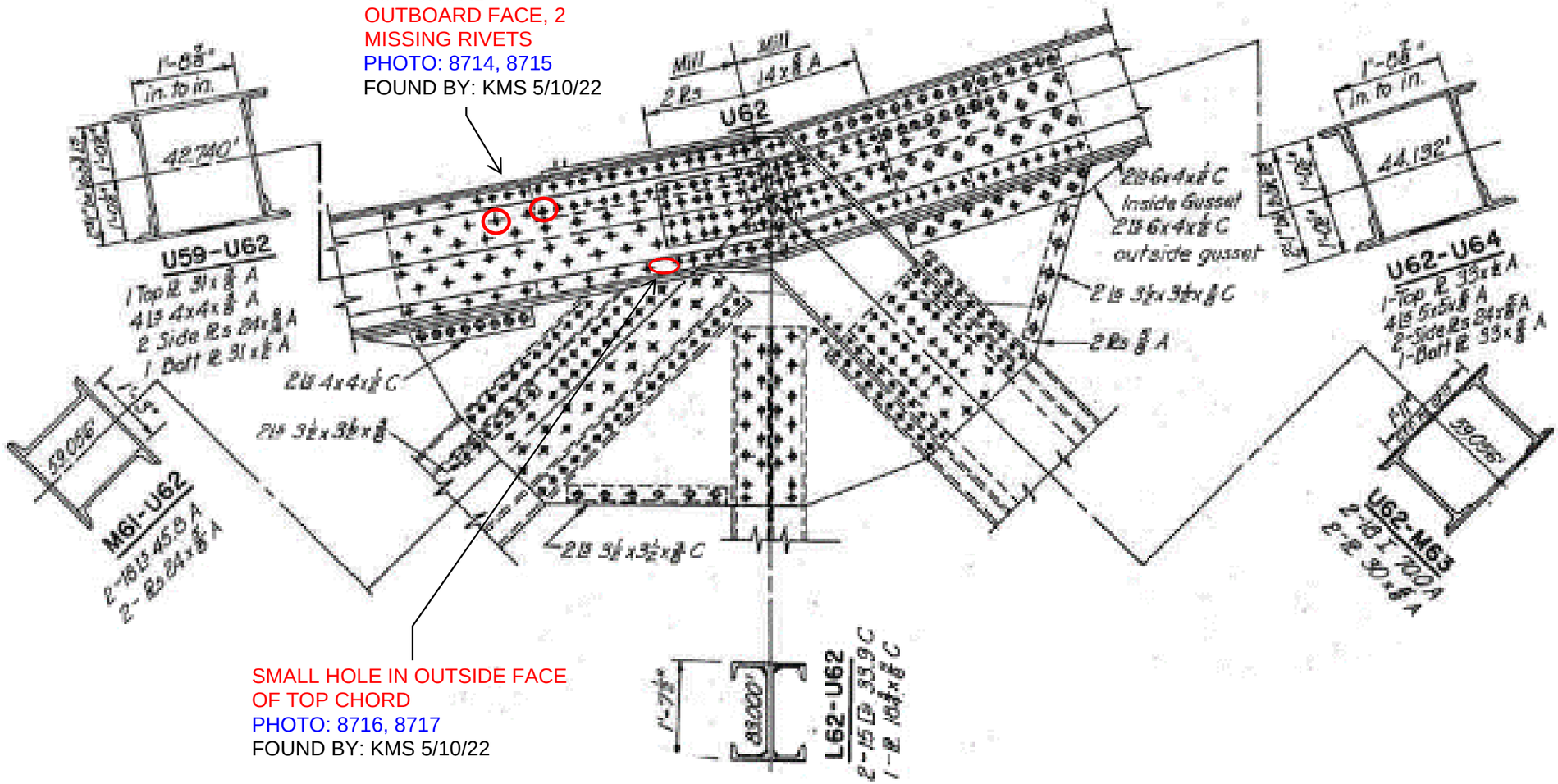
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U62

Span No. 4 Truss location U 62

UP STREAM (US)

DOWN STREAM (DS)

TOP CHORD
OUTBOARD FACE, 2
MISSING RIVETS
PHOTO: 8714, 8715
FOUND BY: KMS 5/10/22


U62
U59-U62
U62-U64
M61-U62
U62-M63
L62-U62
2 Top Lat. 14x⅞ A
2 Bs
Mill
Mill
42'-7¼0"
44'-1½2"
59'-0⅝"
59'-0⅝"
1'-6⅝"
1'-6⅝"
1'-7½"
1'-7½"
2 Side Rs 24x⅞ A
1 Batt Lat. 31x⅞ A
4 L 3½x3½x⅞ A
2 Top Lat. 35x⅞ A
4 L 5½x5½x⅞ A
2 Side Rs 24x⅞ A
1 Batt Lat. 33x⅞ A
2 Top Lat. 40x⅞ A
2 Side Rs 24x⅞ A
2 Top Lat. 40x⅞ A
2 Side Rs 24x⅞ A
2 L 5½x3½x⅞ C
2 L 3½x3½x⅞ C
2 L 3½x3½x⅞ C
2 Bs ⅞ A
2 L 3½x3½x⅞ C
outside gusset
2 L 6x4x⅞ C
Inside Gusset
2 L 6x4x⅞ C
2 L 4x4x⅞ C
2 L 3½x3½x⅞ C
2 L 3½x3½x⅞ C
2 L 3½x3½

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location M 63

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M63

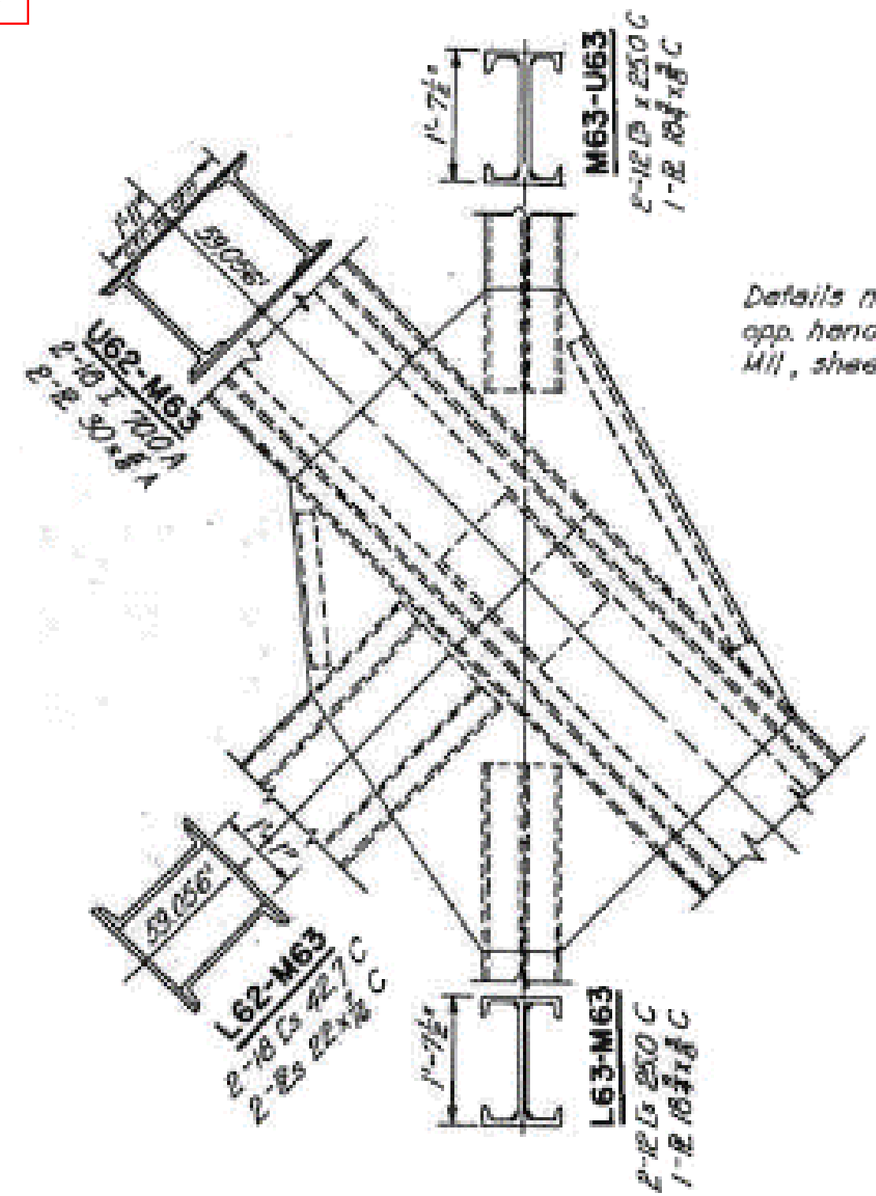
UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Details not shown are opposite hand to to joint M11

Elevation View M11'!A1



Notes: Elevation View

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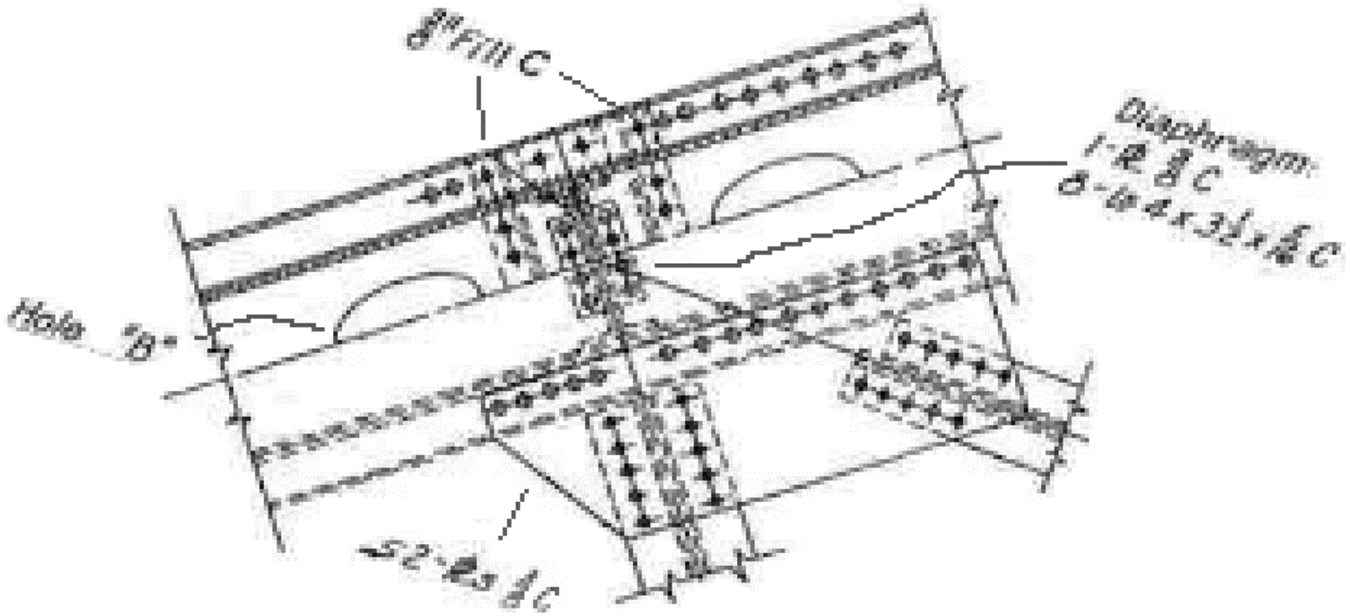
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 63

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U63

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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Little Rock, AR 72201

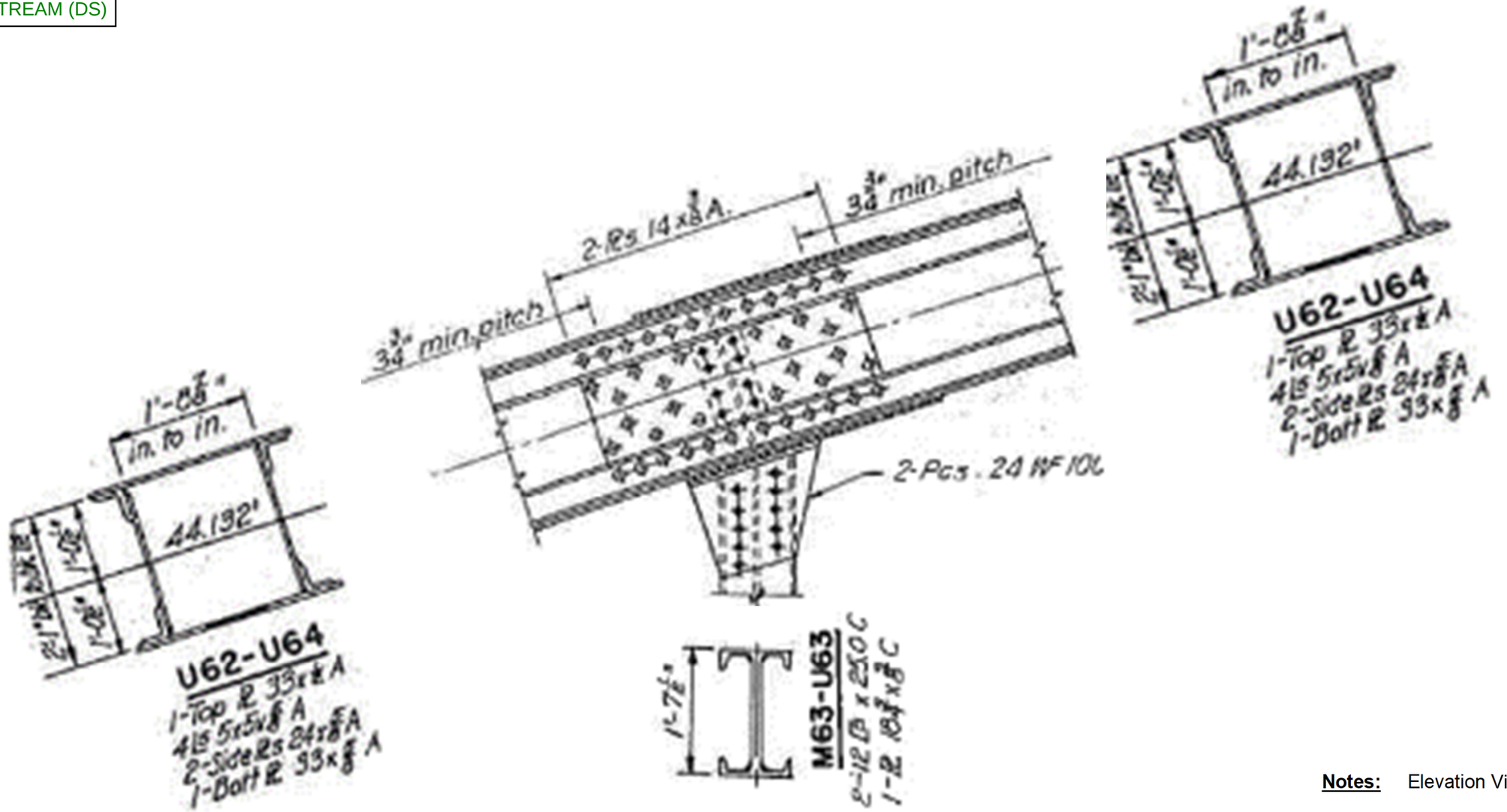
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location U 63

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U63

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

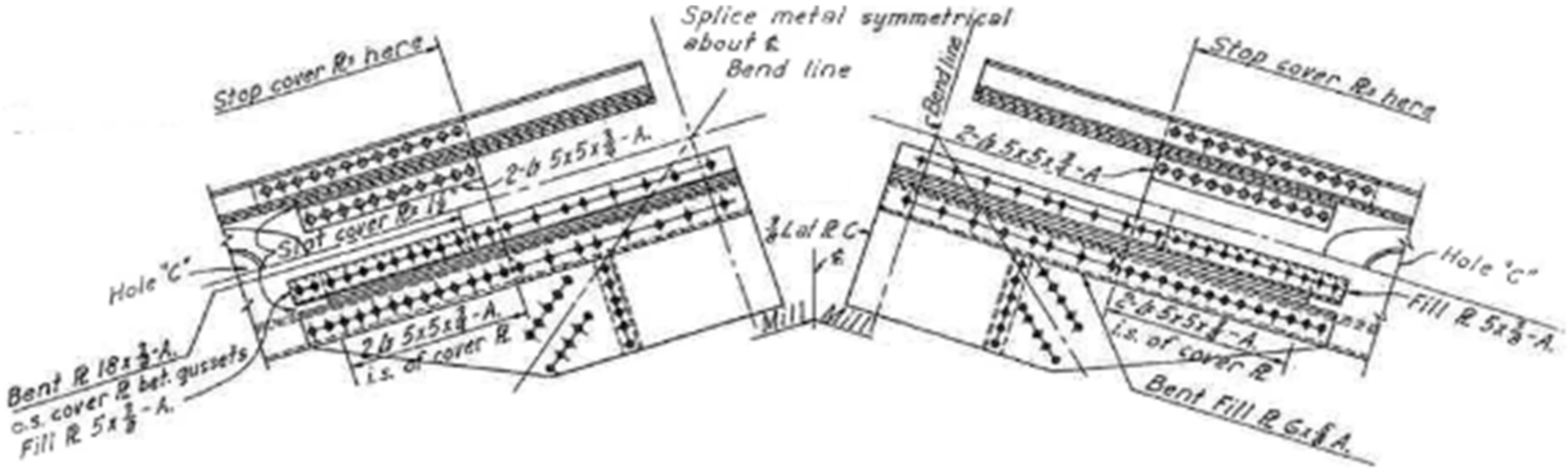
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U64

Span No. 4 - 5 Truss location U 64

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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Little Rock, AR 72201

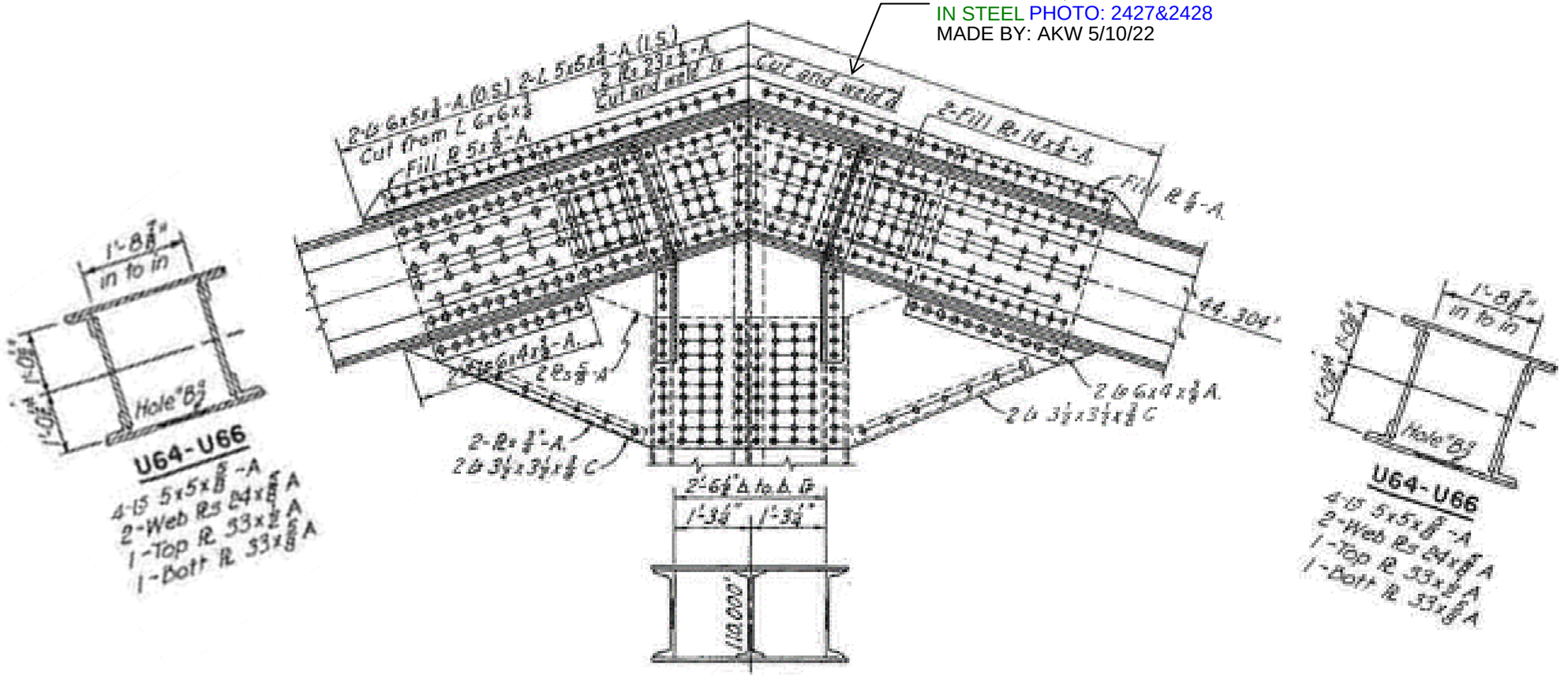
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 - 5 Truss location U 64

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U64

UP STREAM (US)

DOWN STREAM (DS)

DS, U65-U64, 1 FT BELOW TOP FLANGE, 1" DIAM. HOLE IN STEEL PHOTO: 2427&2428
MADE BY: AKW 5/10/22



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _5_ Truss location M65

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M65

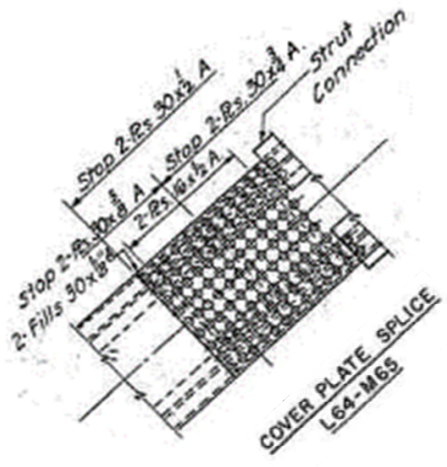
UP STREAM (US)

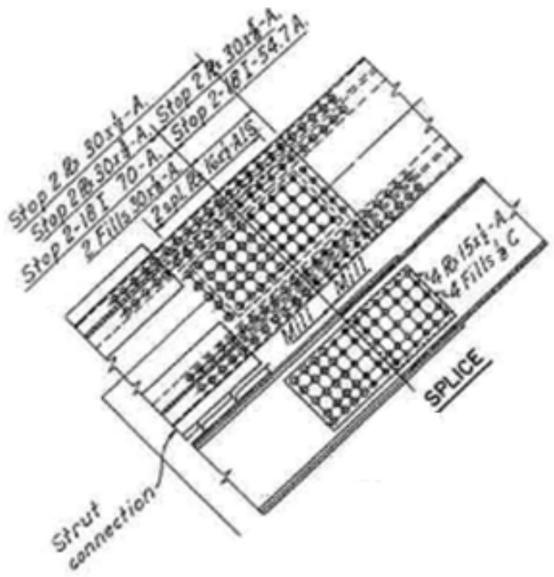
DOWN STREAM (DS)

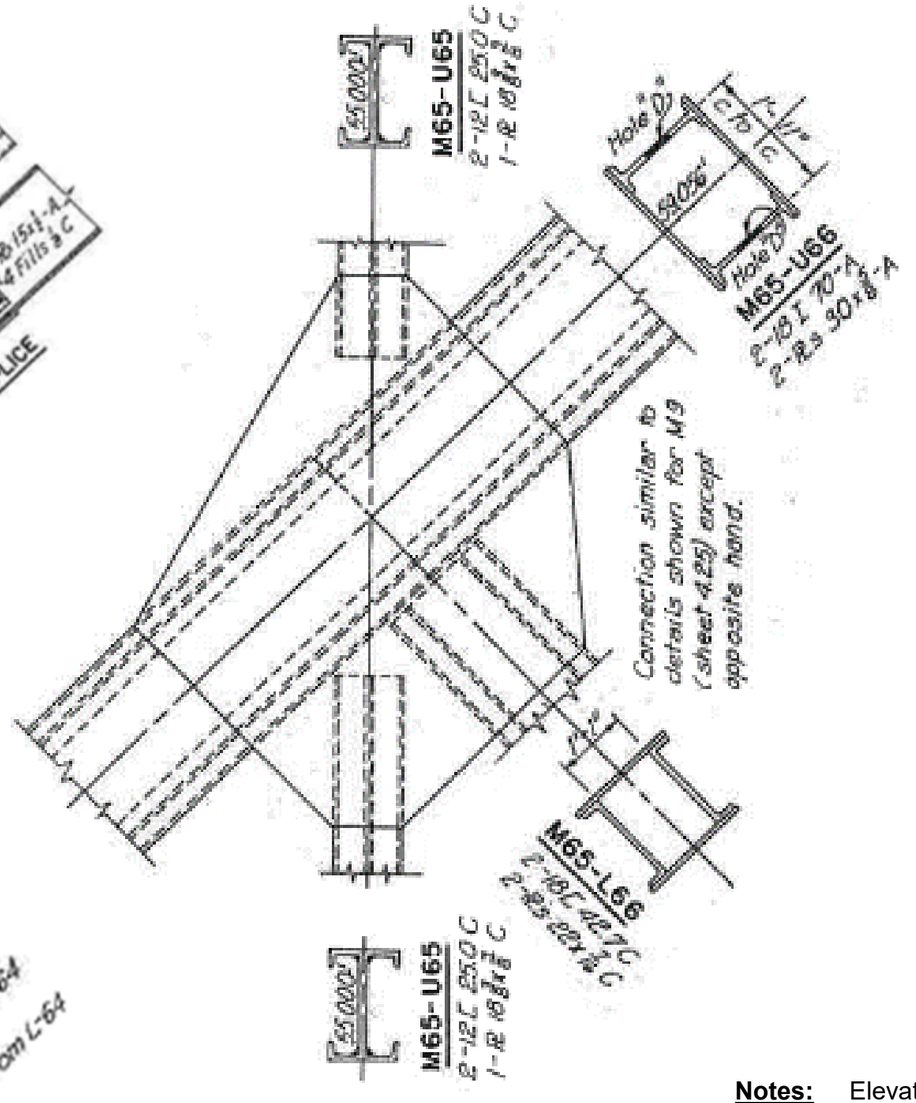
NO REMARKS - COMPLETE

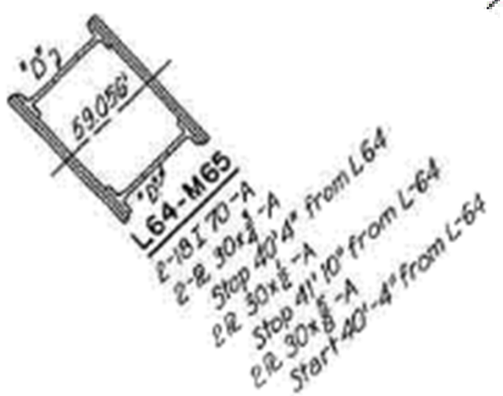
Details not shown are opposite hand to to joint M9

Elevation View M9'!A1









Notes: Elevation View

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Little Rock, AR 72201

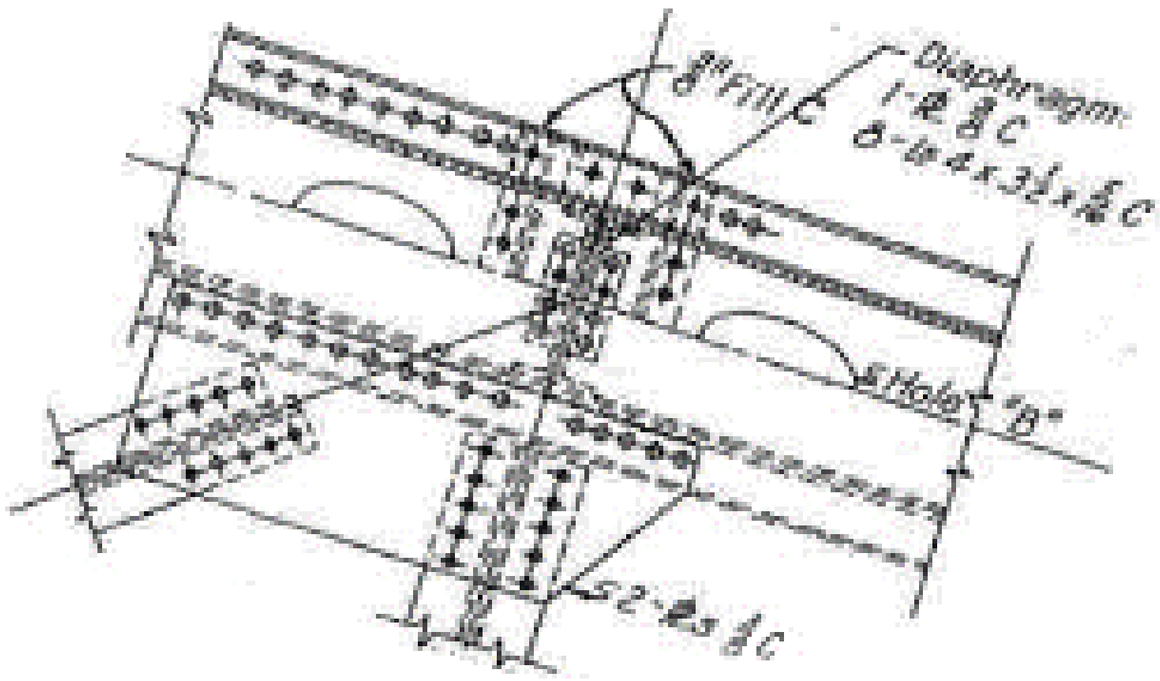
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _5_ Truss location_U 65_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U65

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

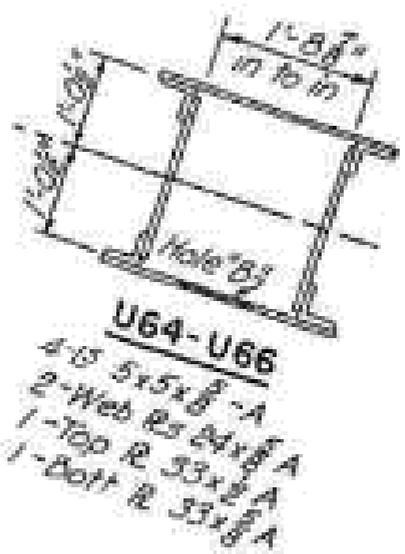
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U65

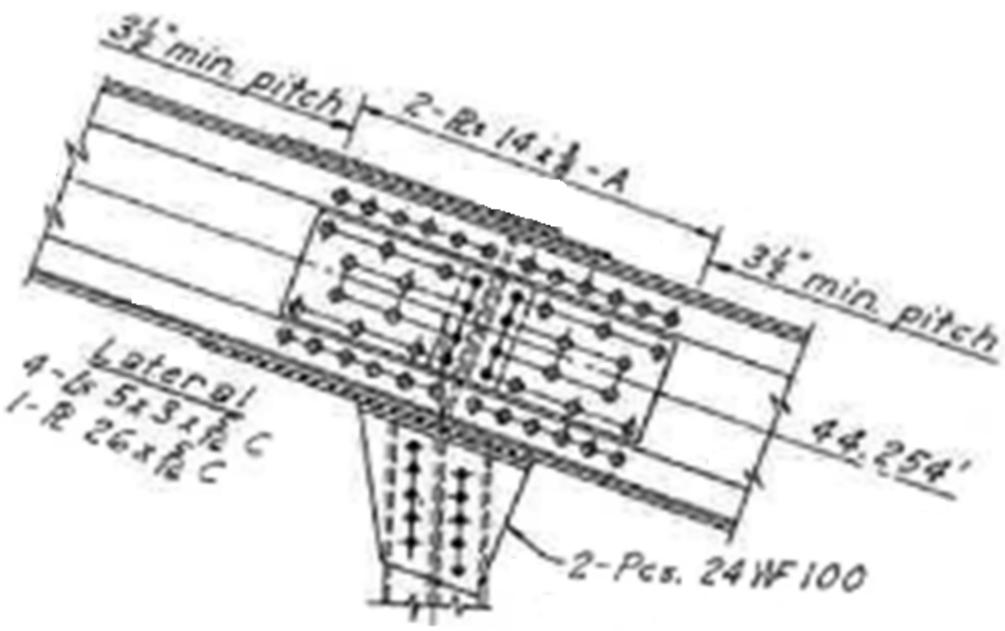
Span No. 5 Truss location U 65

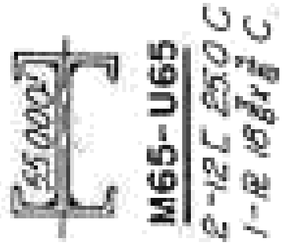
UP STREAM (US)

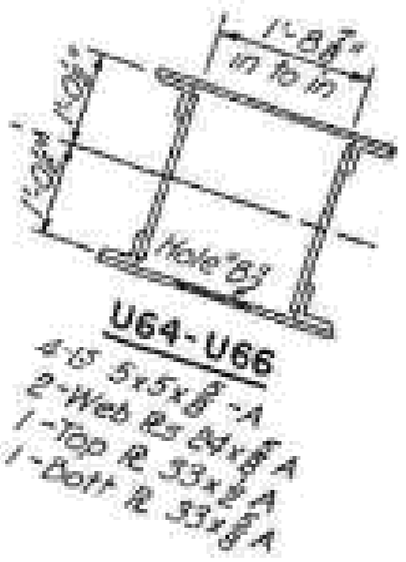
DOWN STREAM (DS)

NO REMARKS - COMPLETE









Notes: Elevation View

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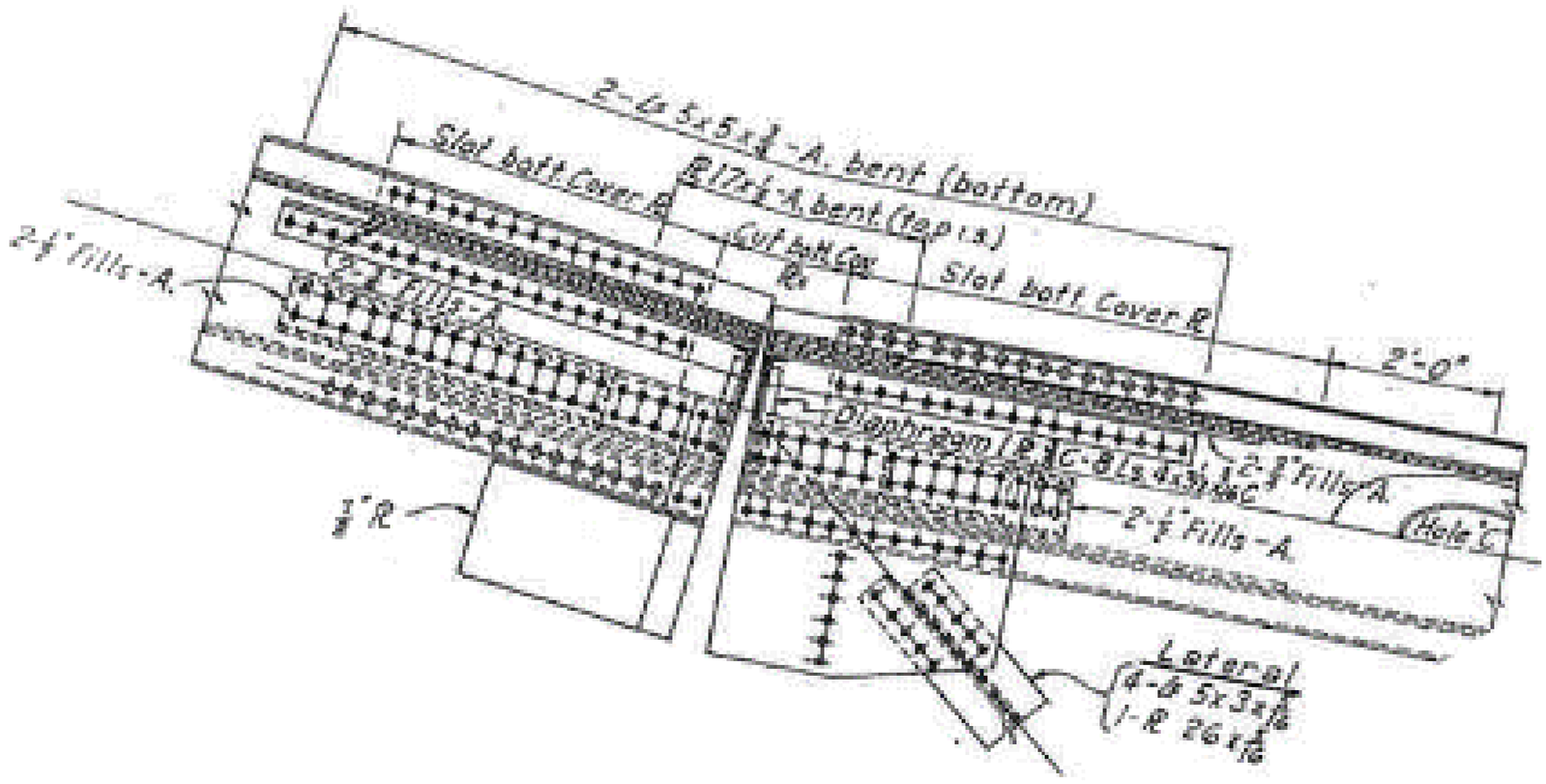
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _5_ Truss location _U 66_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U66

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _5_ Truss location _U 66_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U66

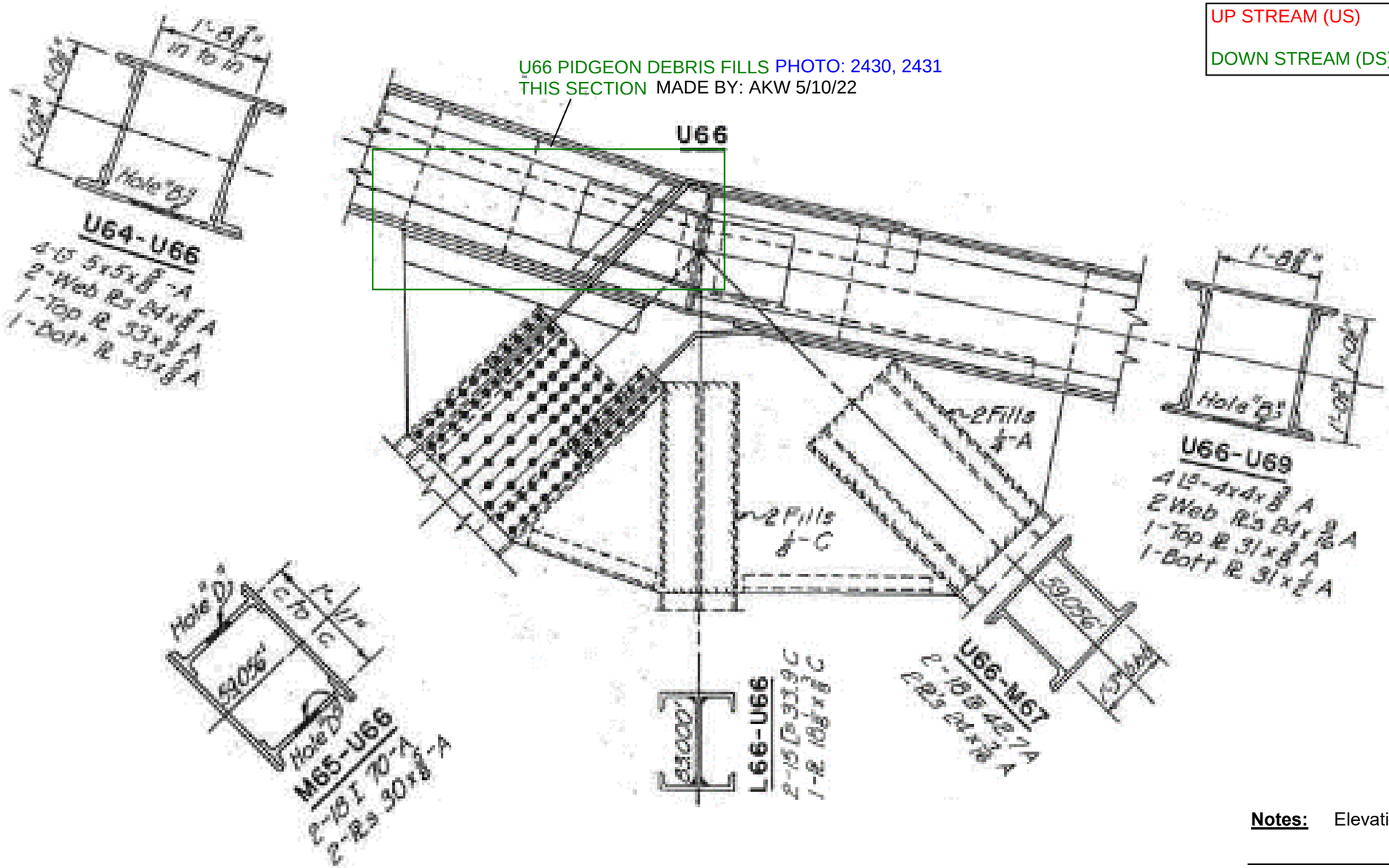
UP STREAM (US)

DOWN STREAM (DS)

Details not shown are similar to to joint U50

Elevation View U50'!A1

U66 PIDGEON DEBRIS FILLS PHOTO: 2430, 2431
THIS SECTION MADE BY: AKW 5/10/22



Notes: Elevation View

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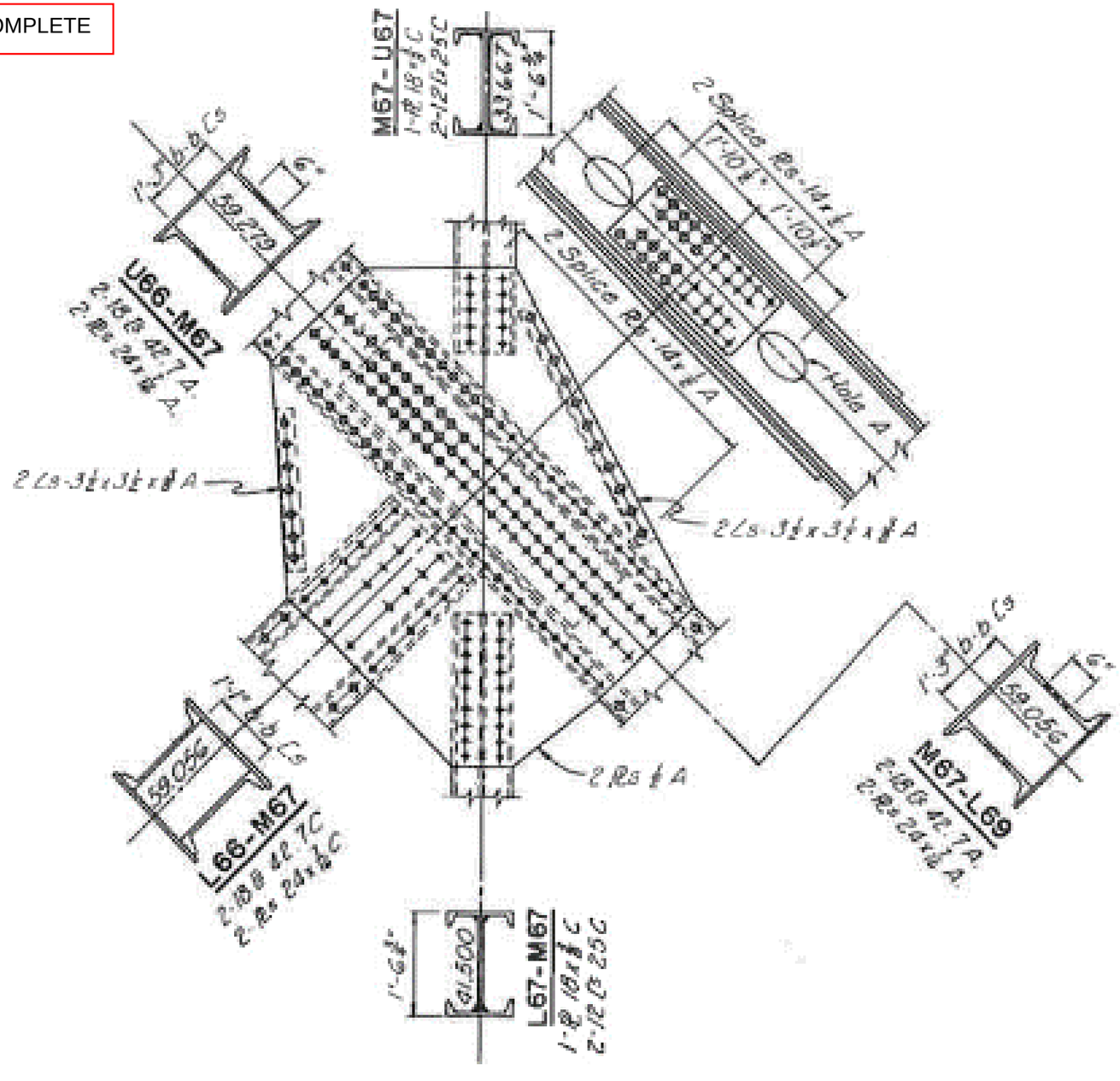
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location M 67

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View M67

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

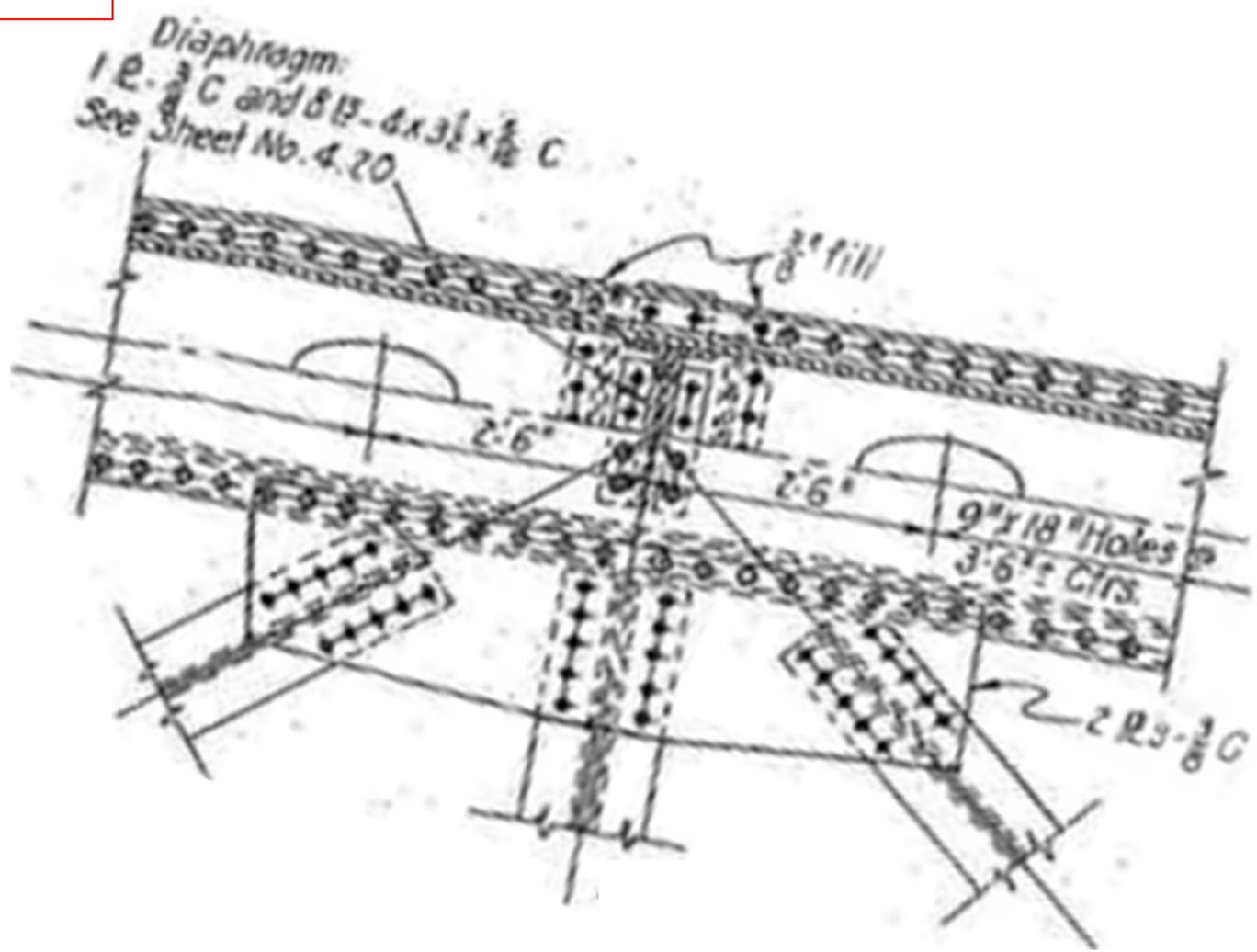
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U67

Span No. 5 Truss location U 67

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

Michael Baker
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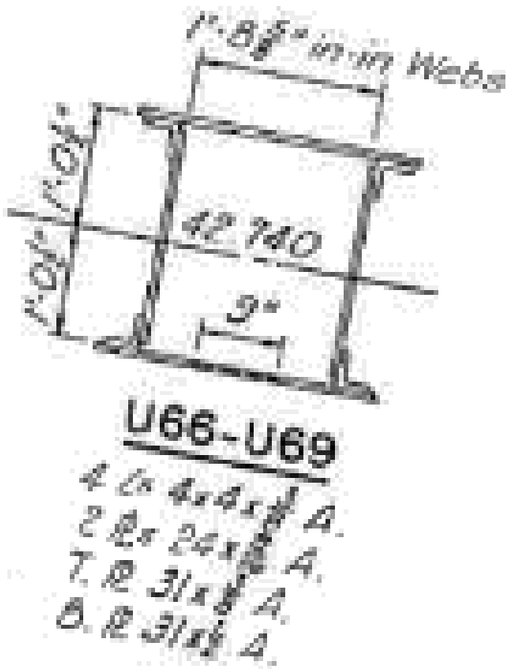
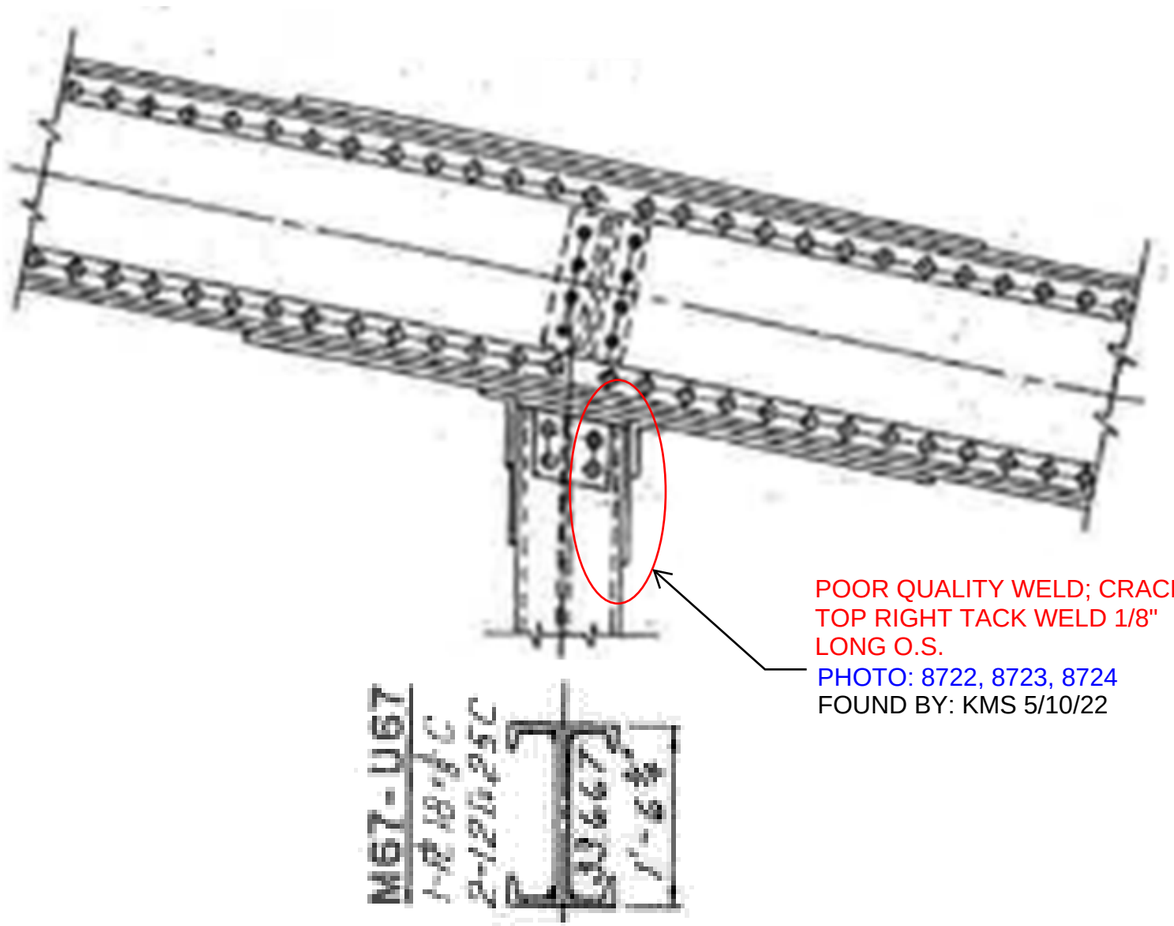
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 67

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U67

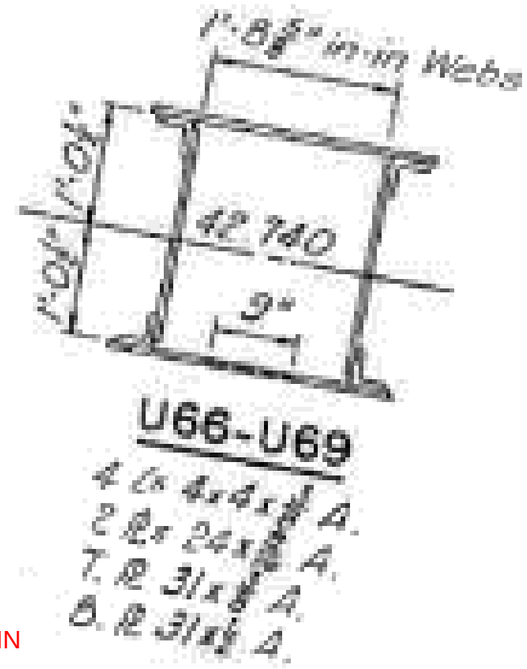
UP STREAM (US)

DOWN STREAM (DS)





POOR QUALITY WELD; CRACK IN TOP RIGHT TACK WELD 1/8" LONG O.S.
PHOTO: 8722, 8723, 8724
FOUND BY: KMS 5/10/22



Notes: Elevation View

Michael Baker
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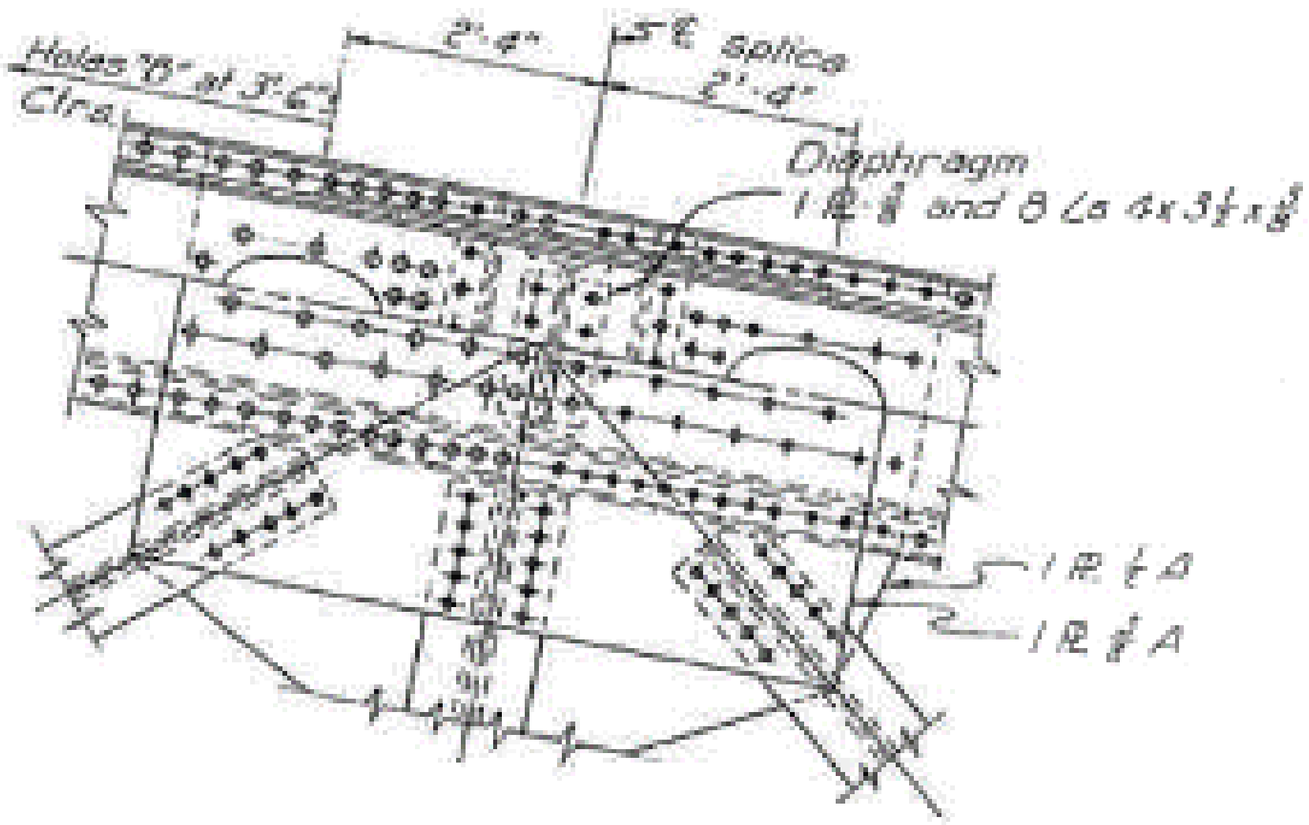
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 68

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U68

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

Michael Baker
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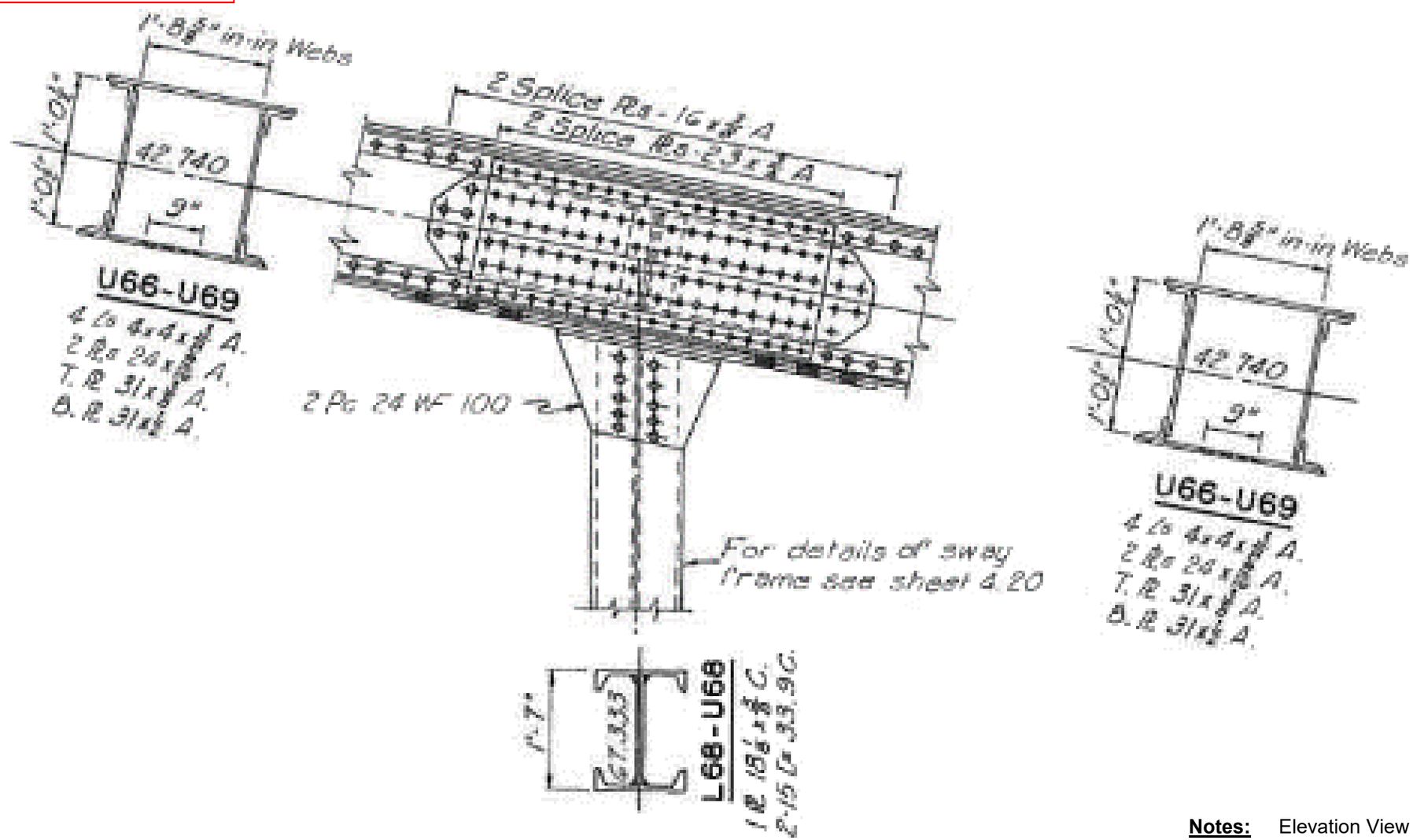
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 68

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U68

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

Michael Baker
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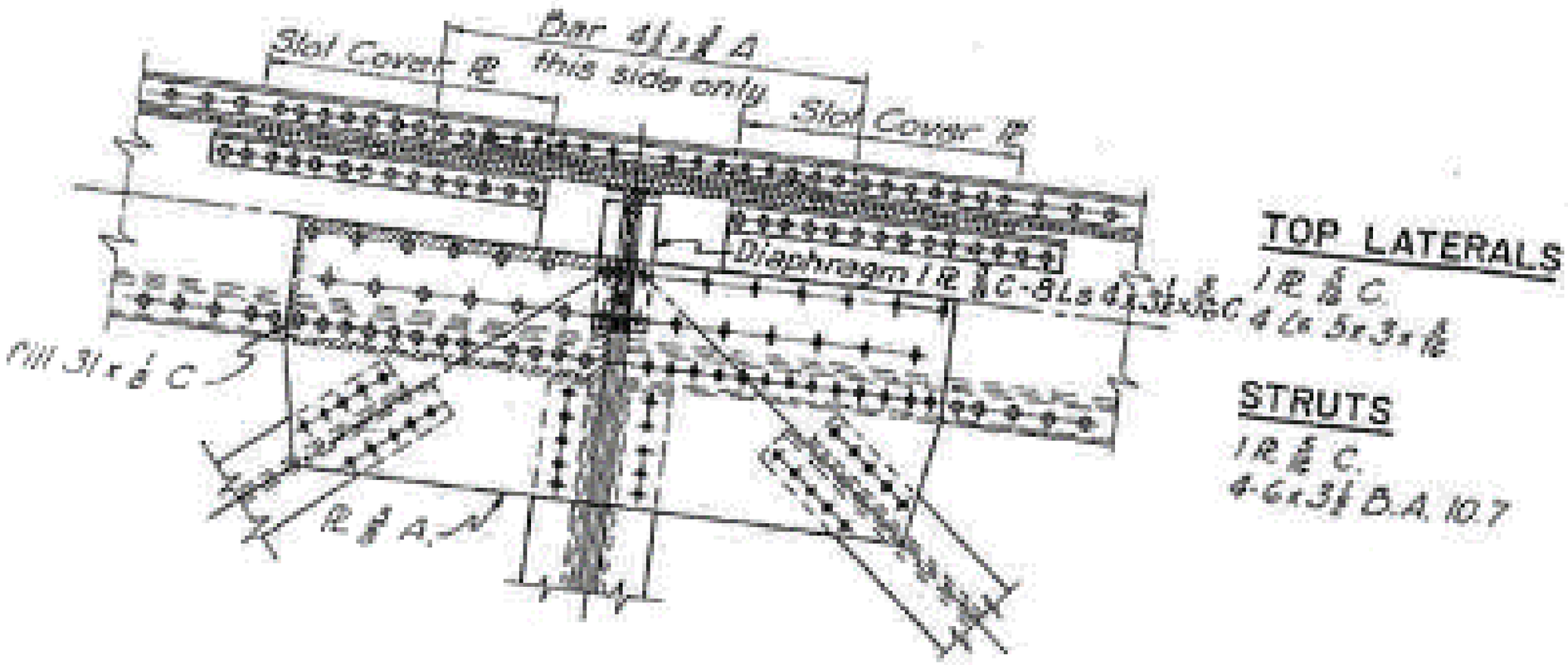
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 69

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U69

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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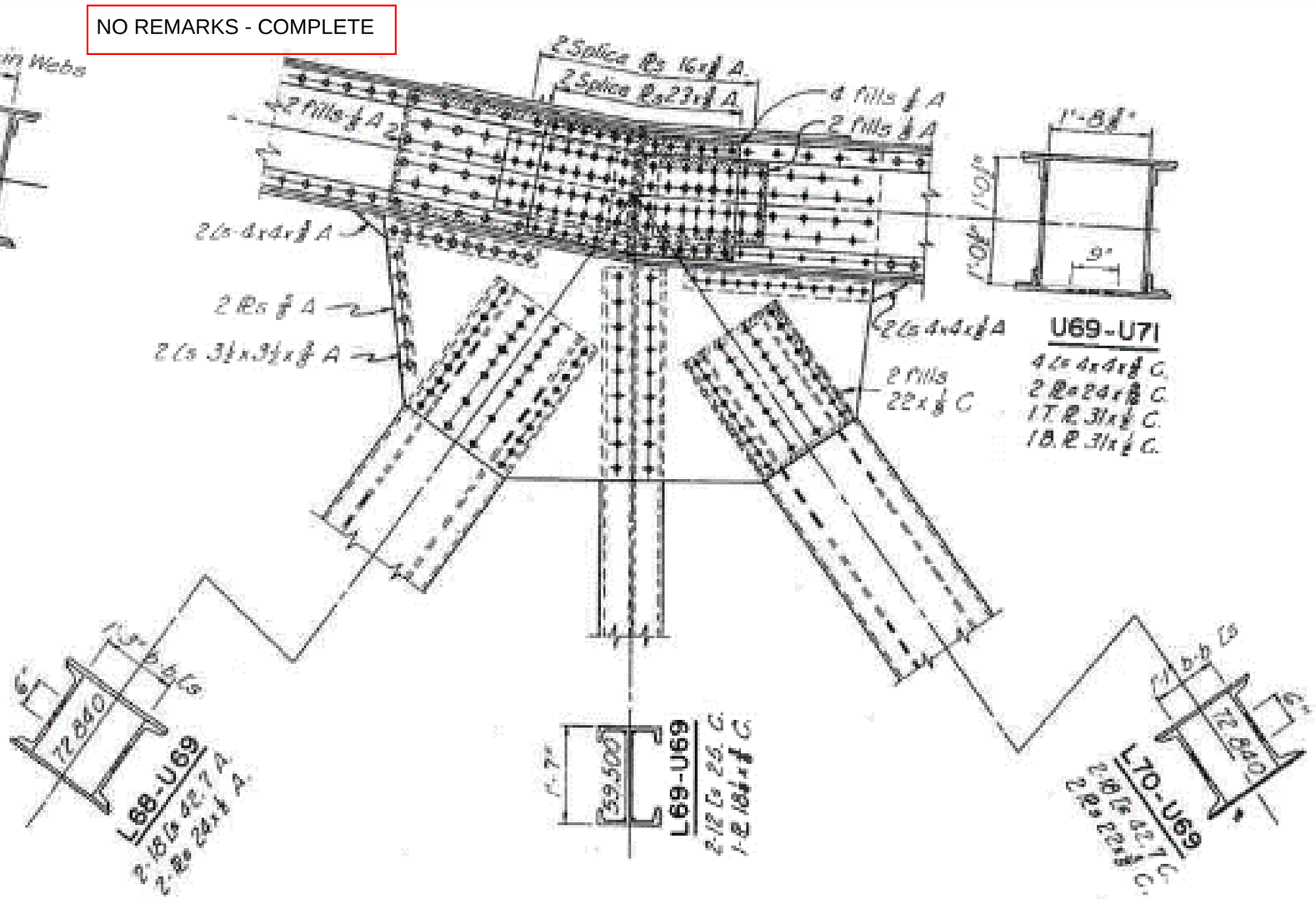
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 69

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U69

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

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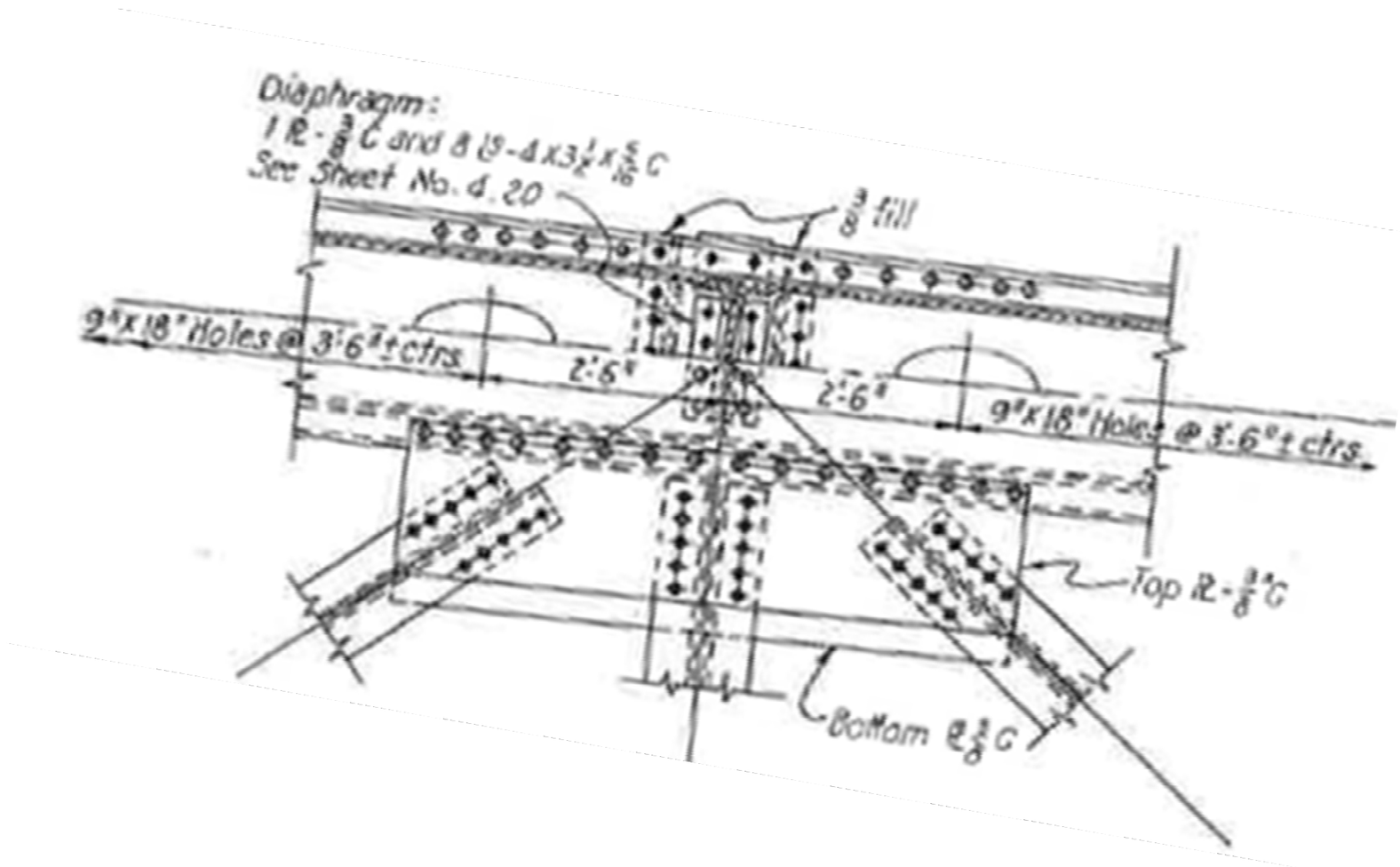
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 70

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U70

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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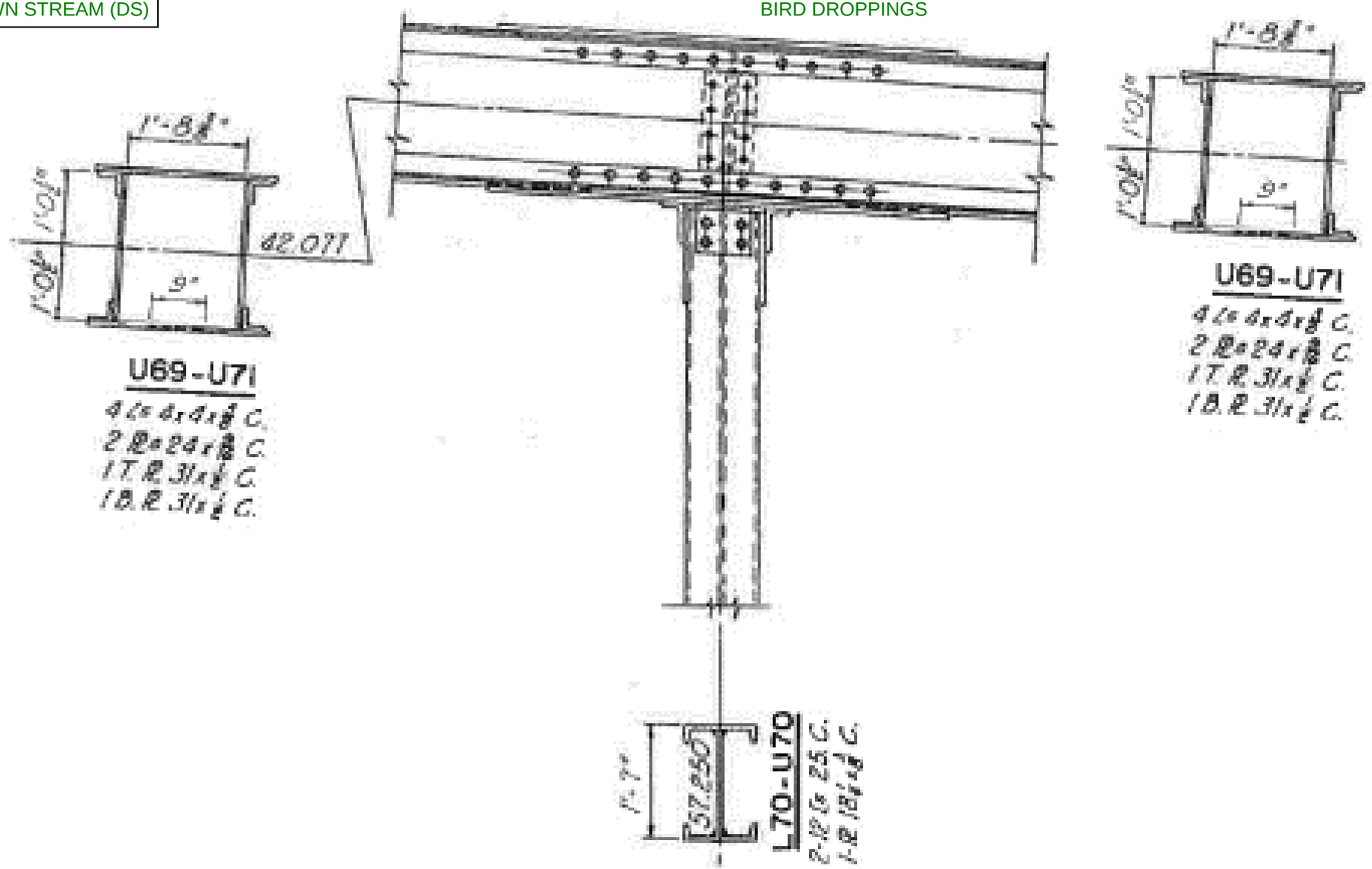
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 70

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U70

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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Little Rock, AR 72201

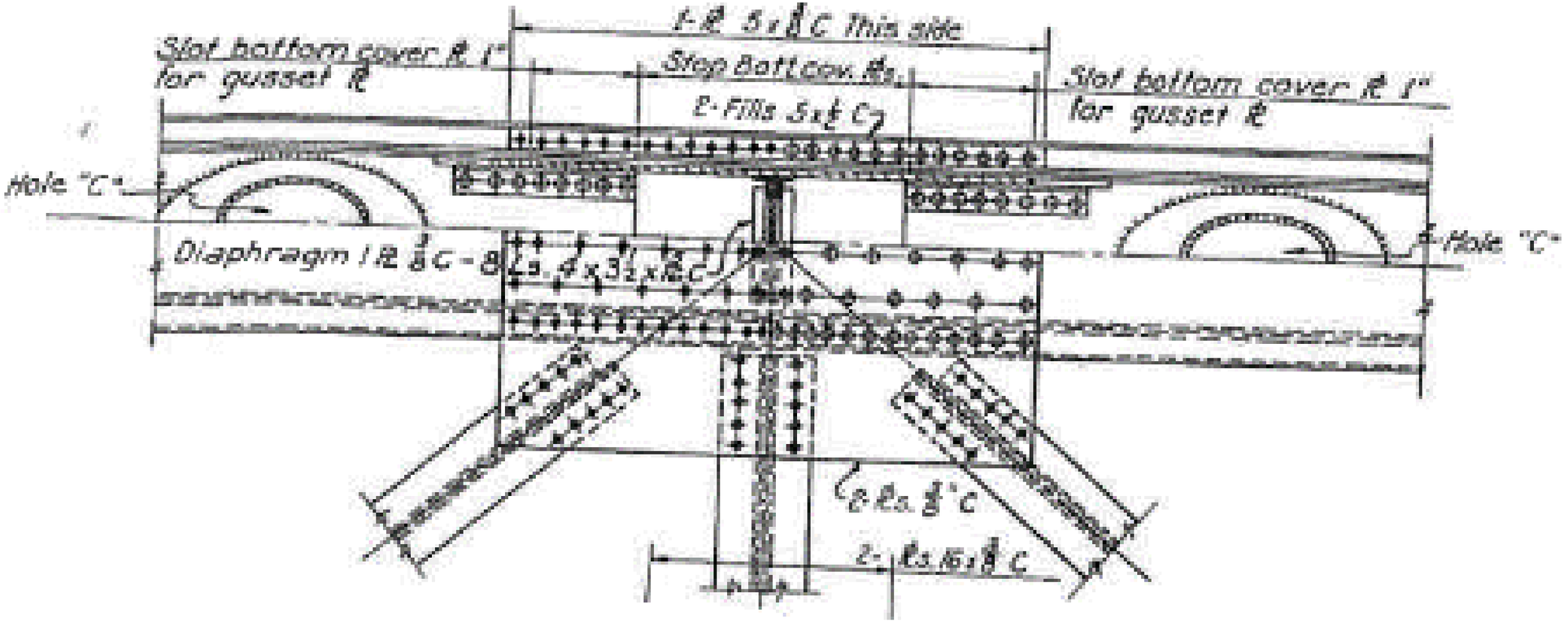
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _5_ Truss location _U 71_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U71

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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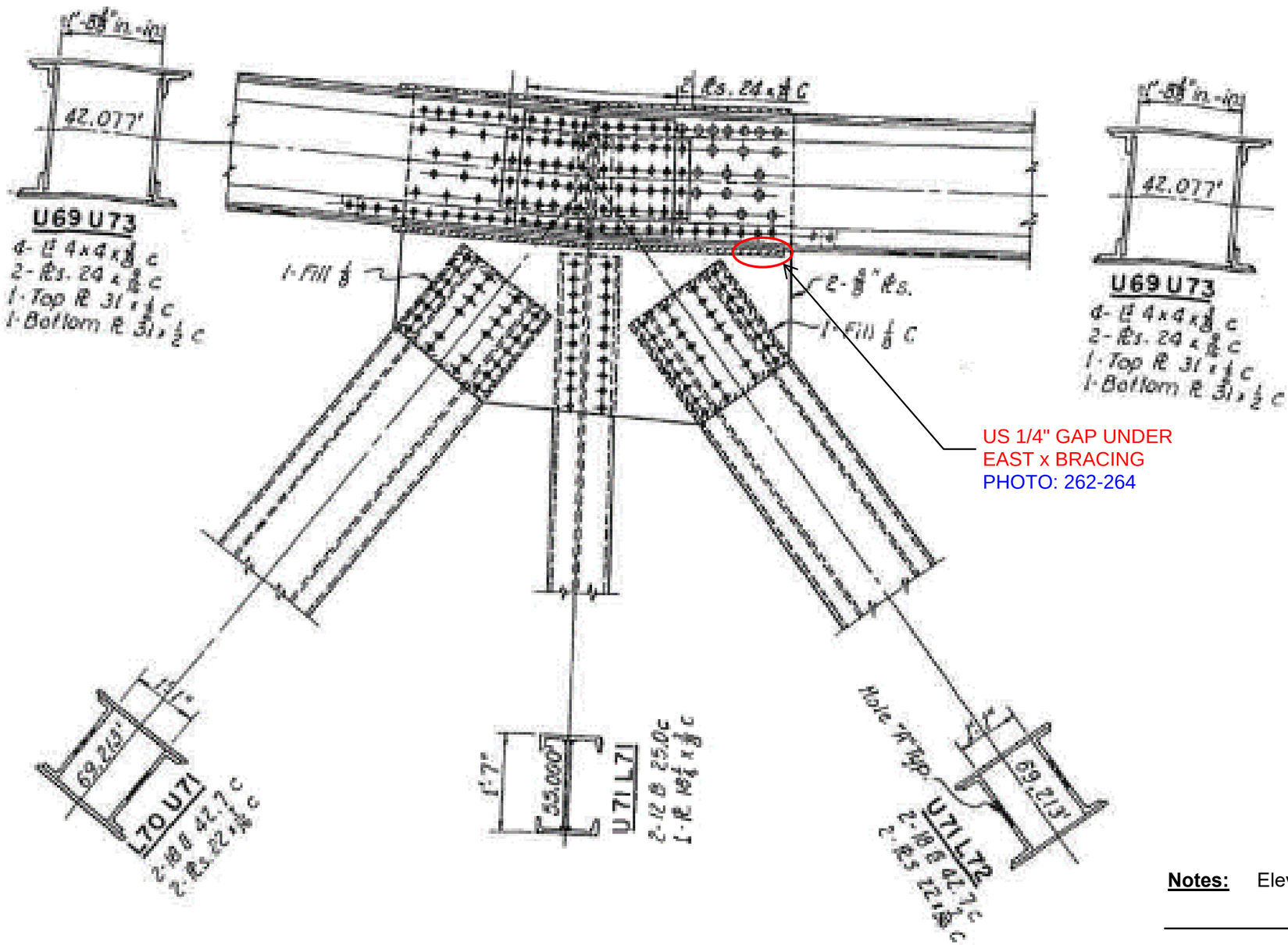
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _5_ Truss location _U 71_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U71

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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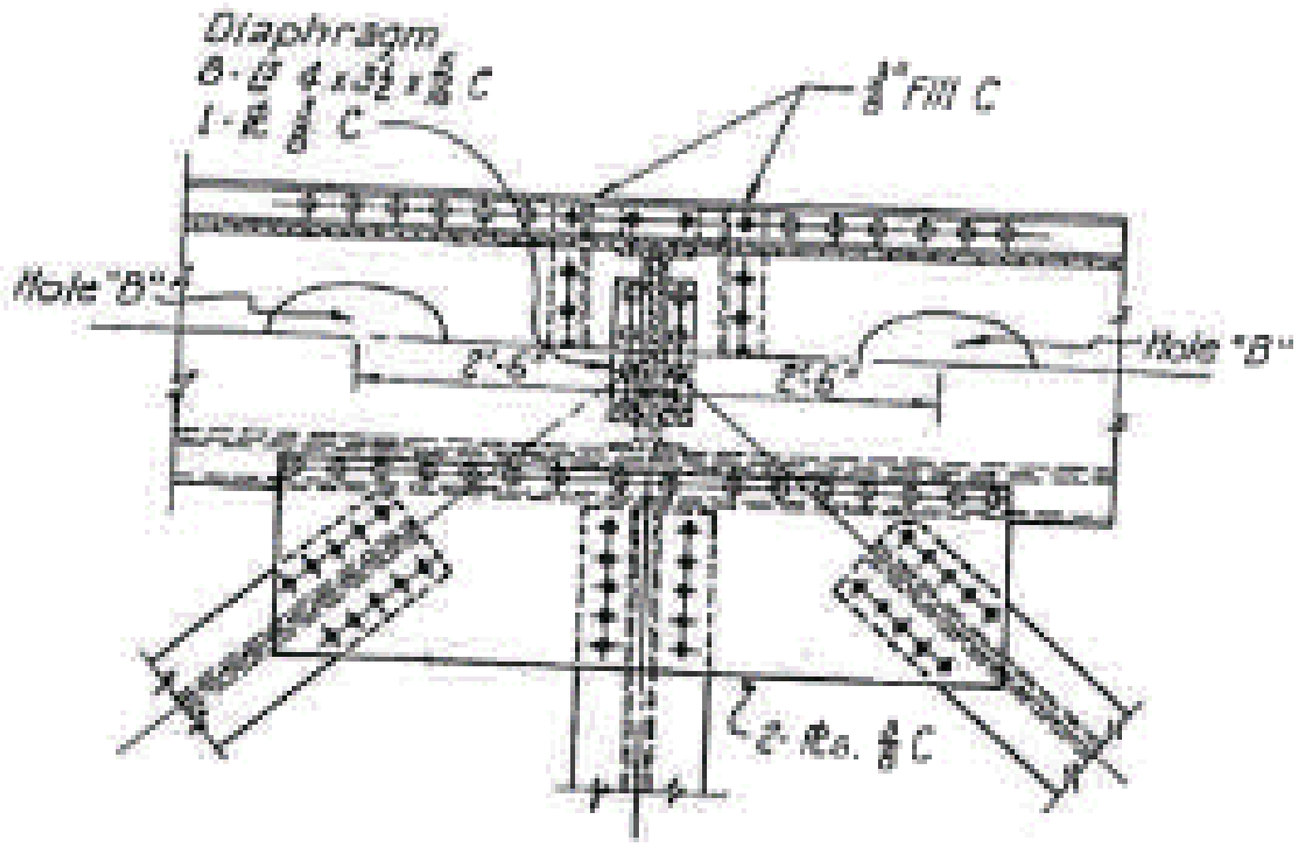
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 72

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U72

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: PLAN VIEW

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Little Rock, AR 72201

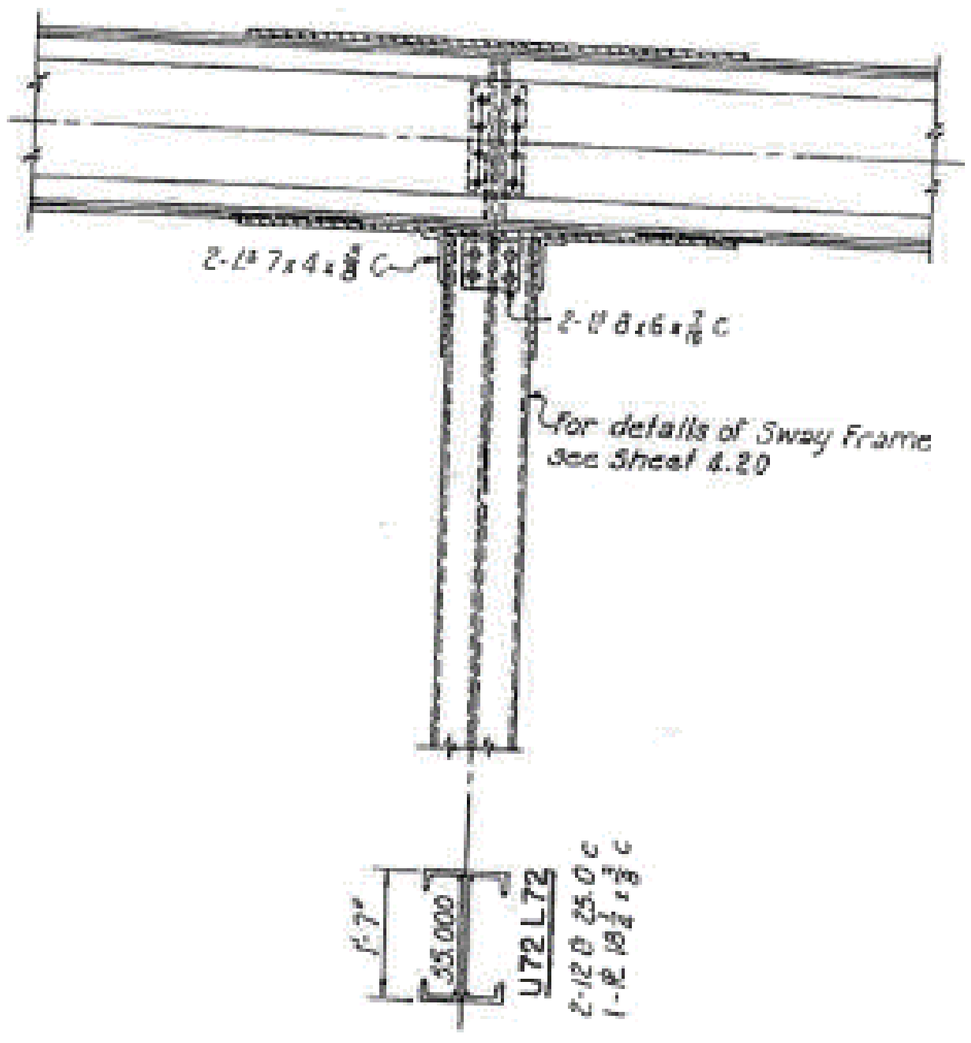
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 72

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U72

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

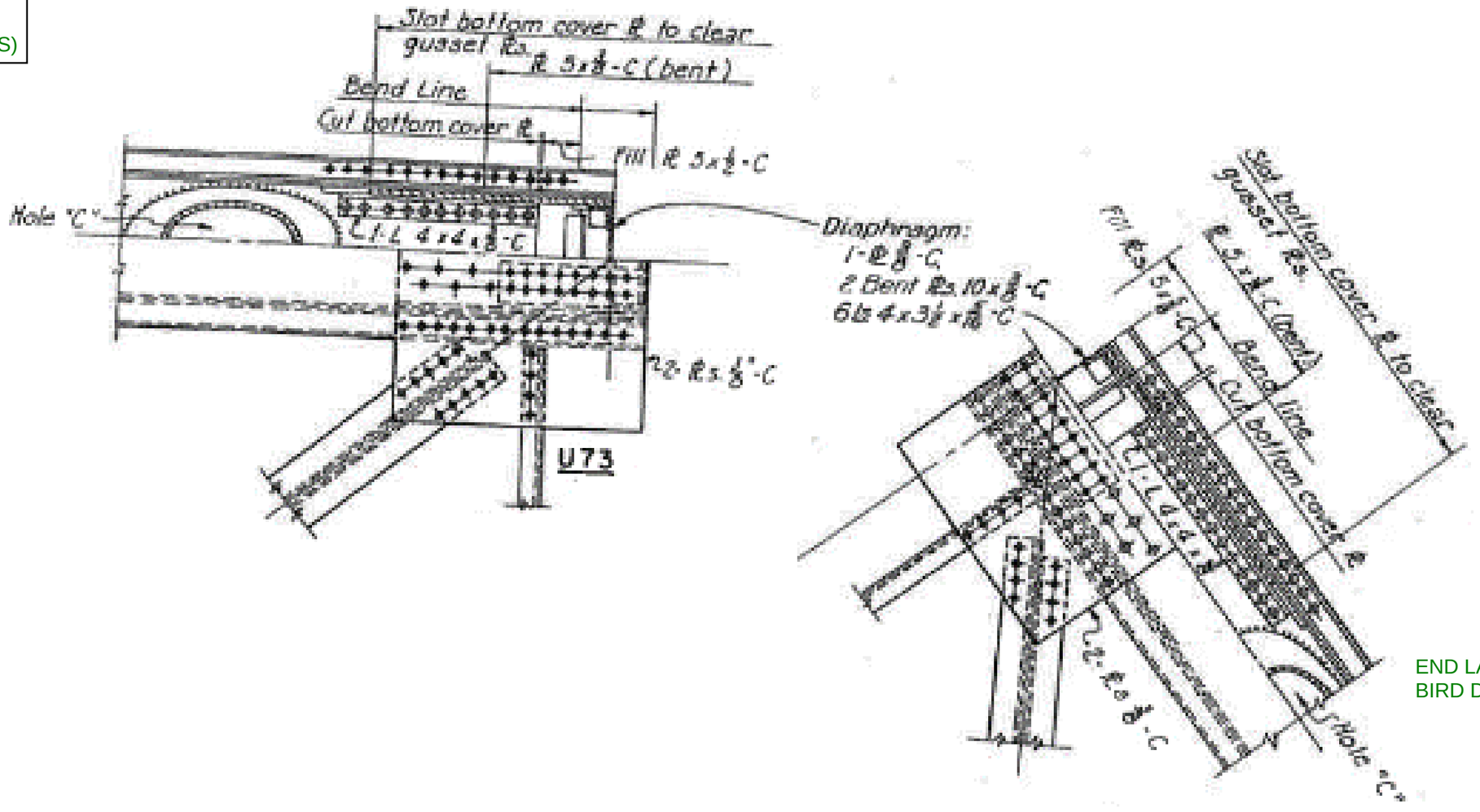
Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 73

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View U73

UP STREAM (US)

DOWN STREAM (DS)



END LATERAL FILLED WITH BIRD DEBRIS

Notes: PLAN VIEW

Michael Baker
INTERNATIONAL
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Little Rock, AR 72201

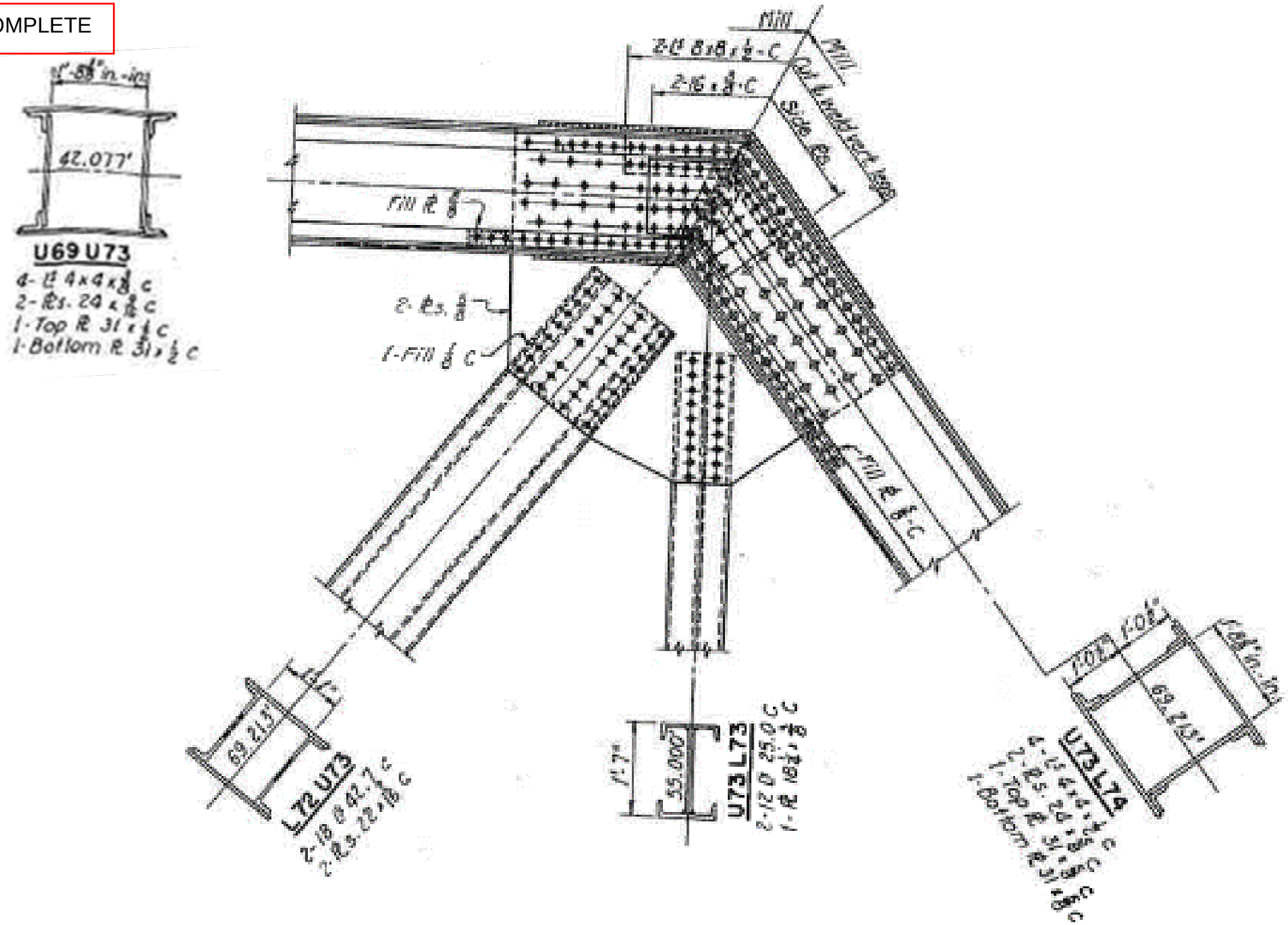
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DS: JFA/MKL US: JFA/MKL Date: 5-4-22 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location U 73

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View U73

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Elevation View

APPENDIX C: FIELD NOTES - LOWER TRUSS

Michael Baker
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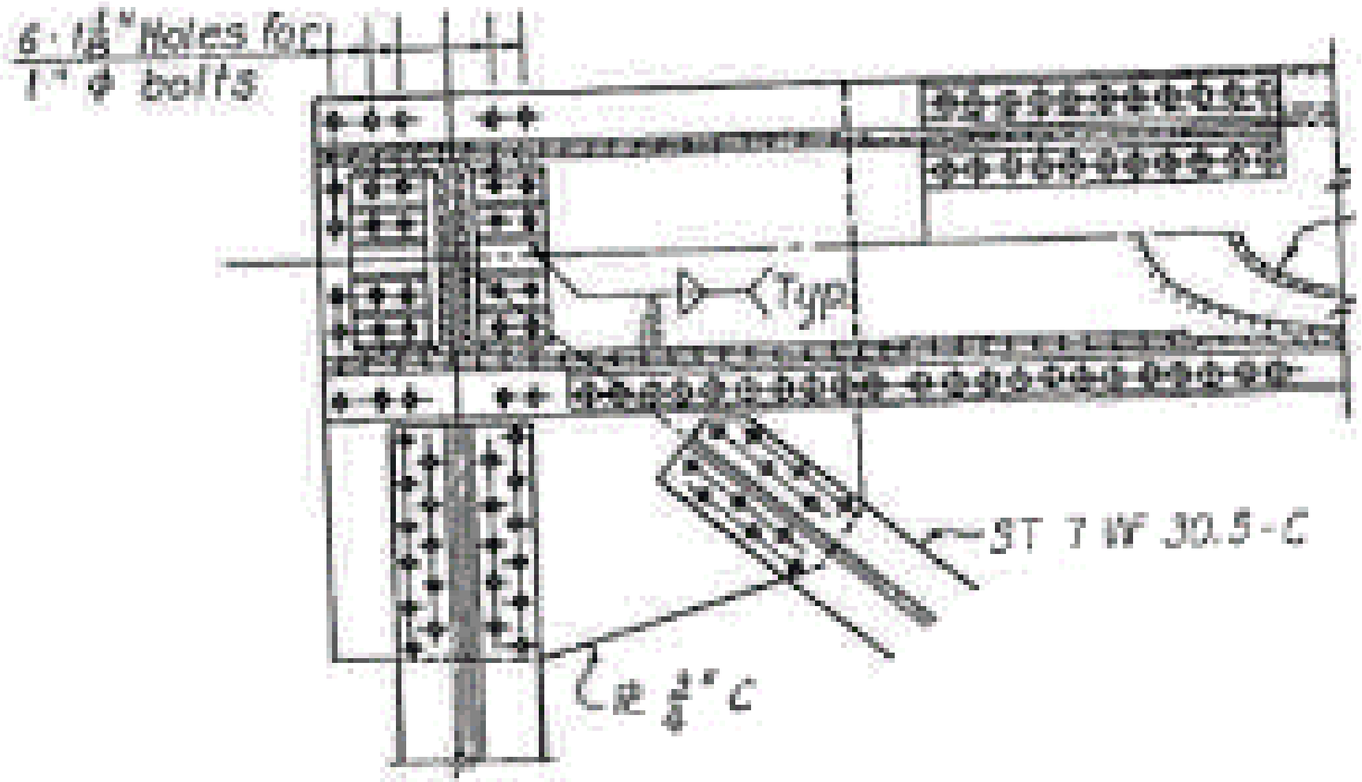
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-3-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 0_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L0

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

Michael Baker
INTERNATIONAL
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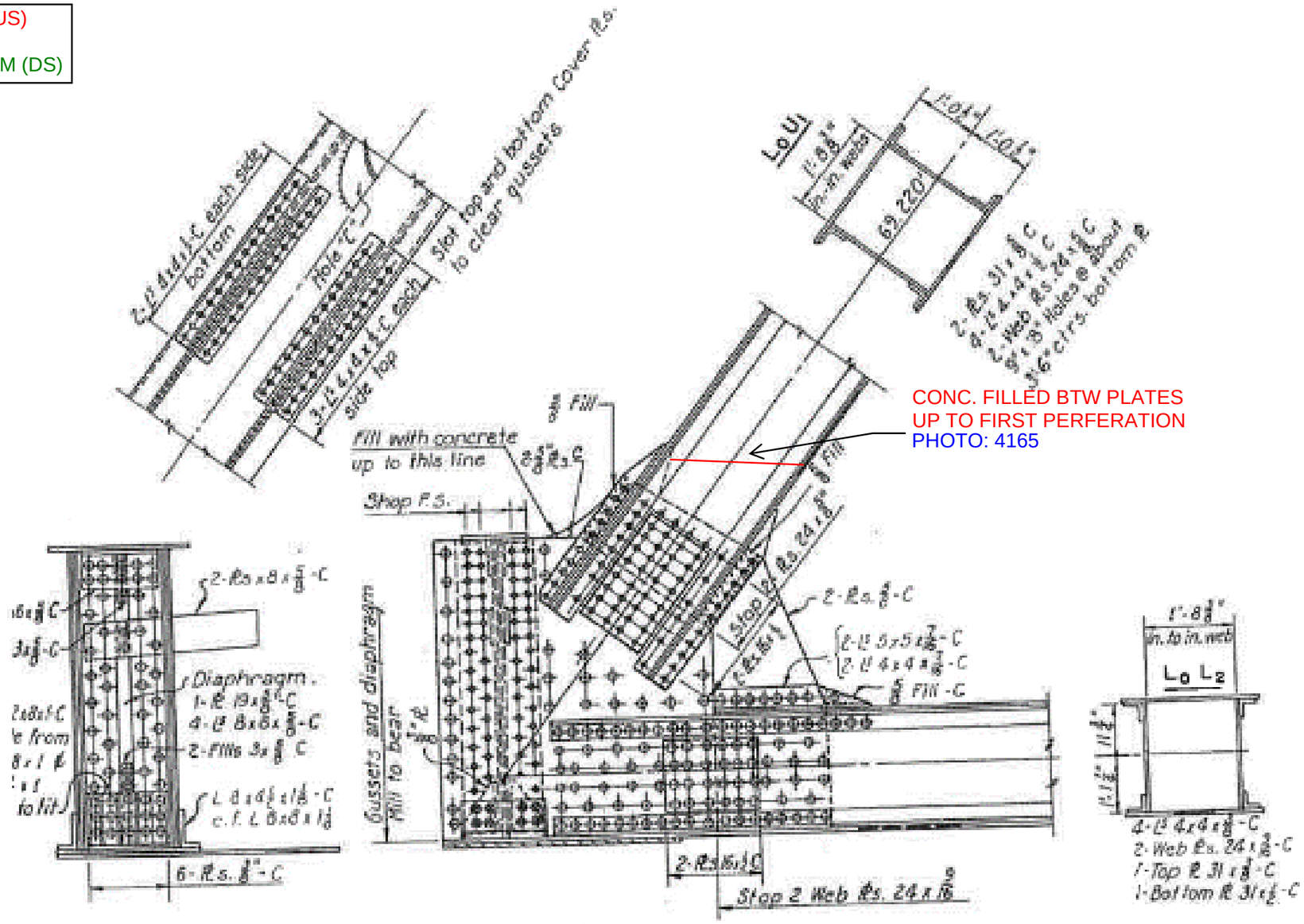
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-3-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 0_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L0

UP STREAM (US)

DOWN STREAM (DS)


Slot top and bottom Cover Pls. to clear gussets
Fill with concrete up to this line
Shop F.S.
Gussets and diaphragm Fill to bear
Diaphragm
Stop 2 Web Pls. 24 x
Fill
Fill -C
Top & Bot Pls
Web Pls
Holes @ about
c/rs. bottom
Holes @ about
c/rs. top

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Little Rock, AR 72201

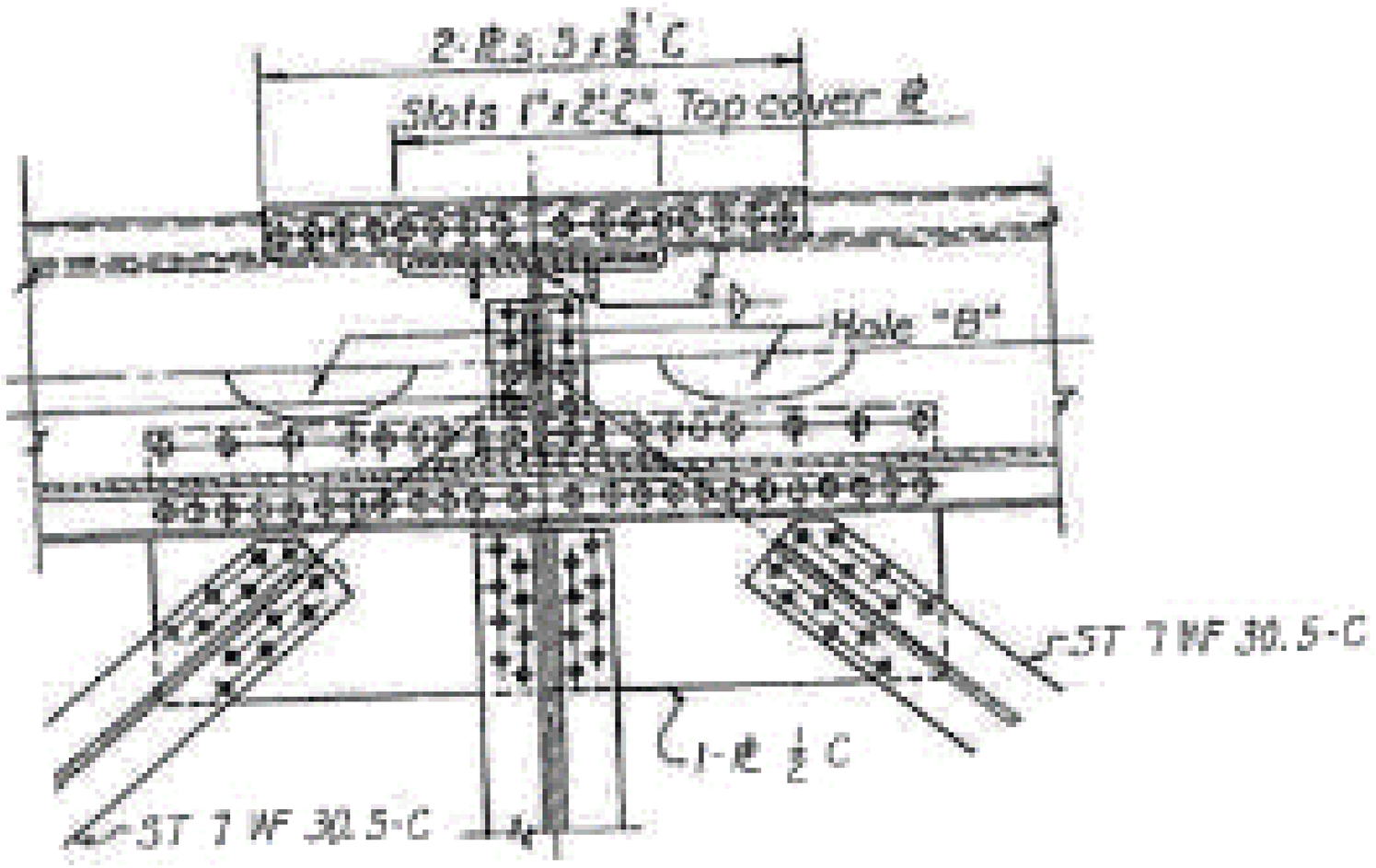
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-3-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 1_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Little Rock, AR 72201

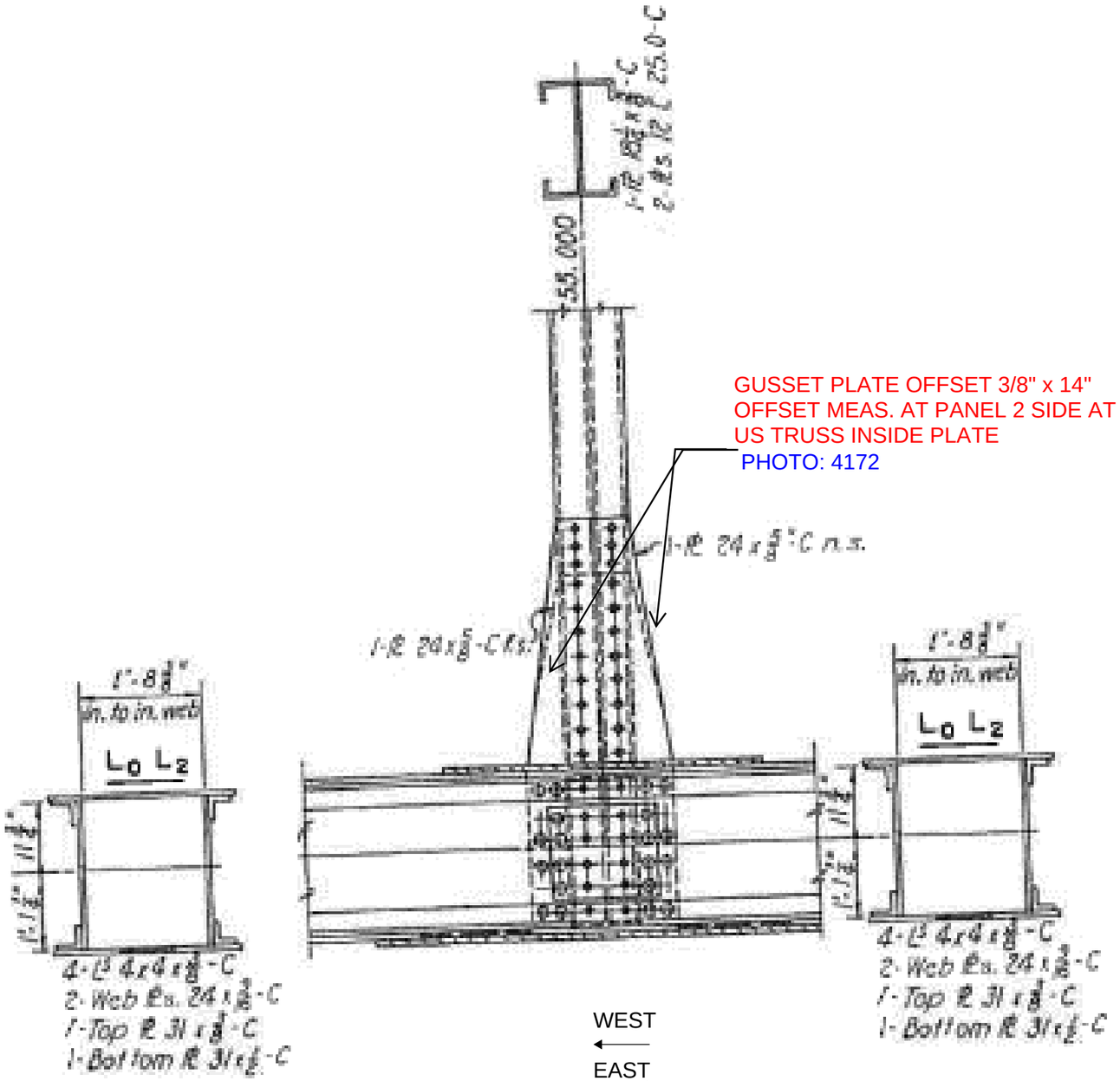
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-3-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L1

Span No. _1_ Truss location _L 1_

UP STREAM (US)

DOWN STREAM (DS)



GUSSET PLATE OFFSET 3/8" x 14"
OFFSET MEAS. AT PANEL 2 SIDE AT
US TRUSS INSIDE PLATE
PHOTO: 4172

Notes: Elevation View

Michael Baker
INTERNATIONAL
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Little Rock, AR 72201

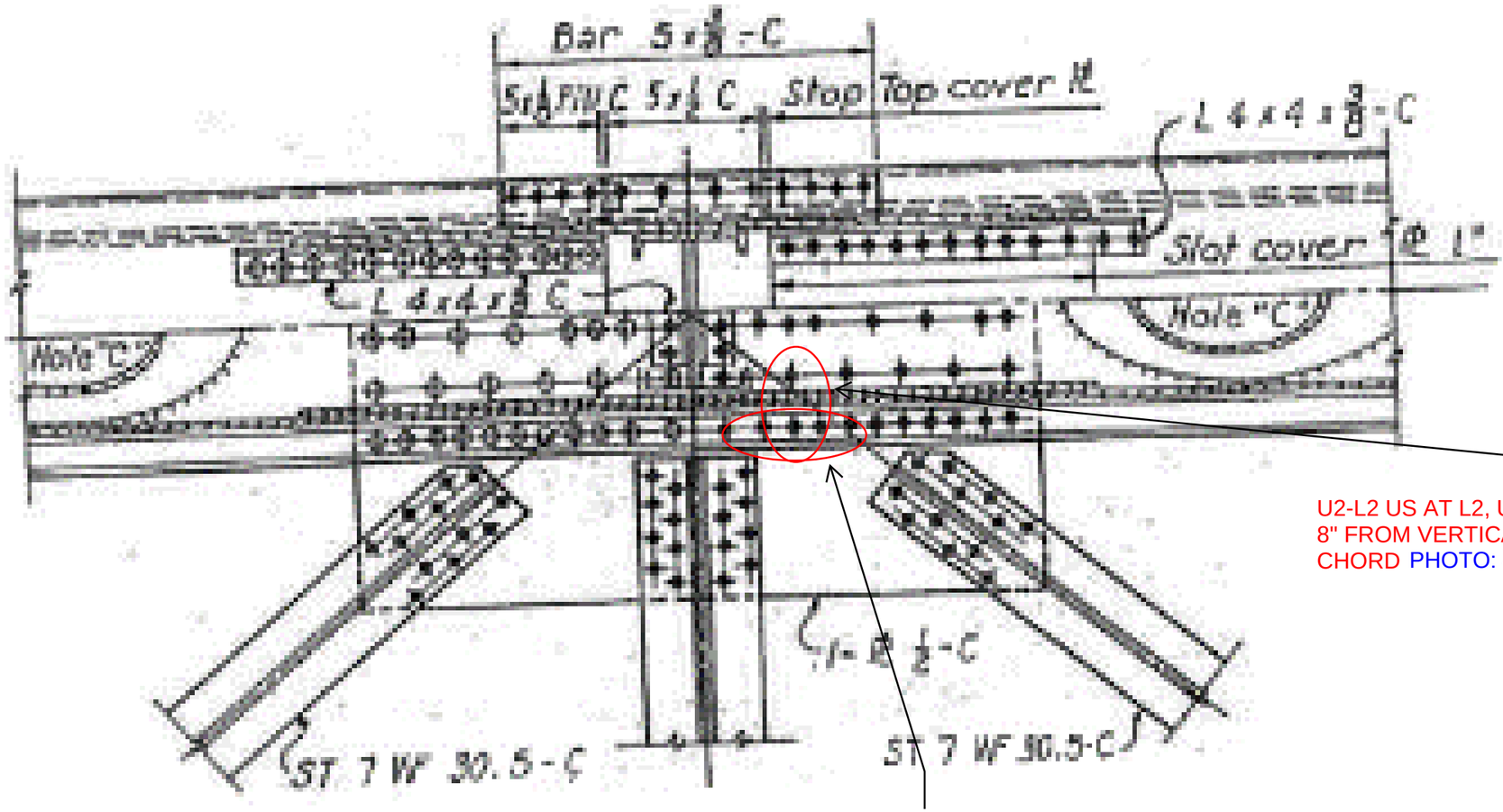
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L2

Span No. _1_ Truss location _L 2_

UP STREAM (US)

DOWN STREAM (DS)



U2-L2 US AT L2, UP TO 0.25" SL FOR 8" FROM VERTICAL ON BOT. PL, BTM CHORD PHOTO: 4192

GUSSET L2 US PANEL 3 SIDE OF VERTICAL 1/16" SL FOR 2' PHOTO: 4193

Notes: Plan View

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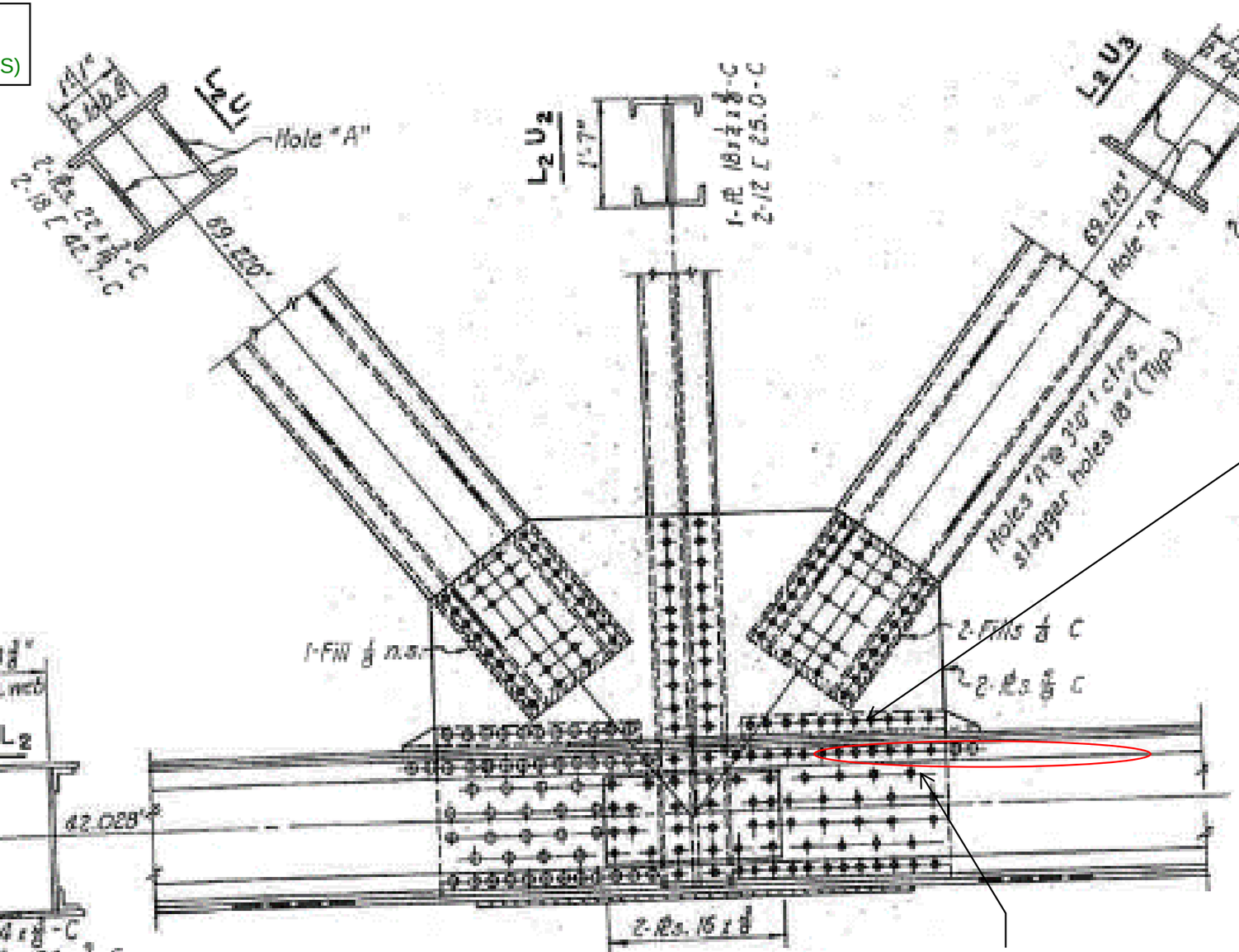
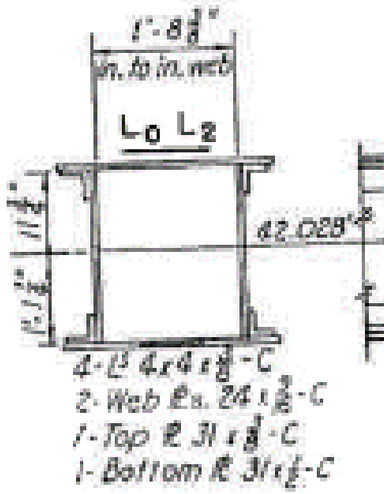
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: DFM / TJN Date: 5-4-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 2_

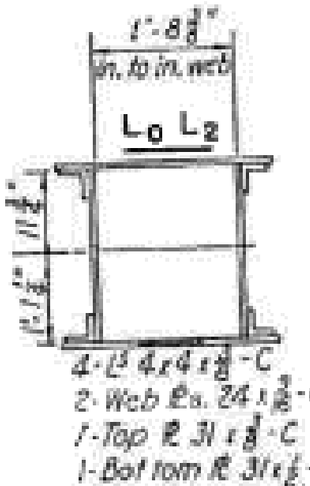
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L2

UP STREAM (US)

DOWN STREAM (DS)







UP TO 1/16" ON BOTTOM OF GUSSET PL FULL LENGTH
PHOTO: 4183

L2-L3 DS FOR END 6' AT L3 0.25" PACK RUST AT INSIDE WEB PL AND TOP PL CONN.
PHOTO: 4213

WEST
EAST

Notes: Elevation View

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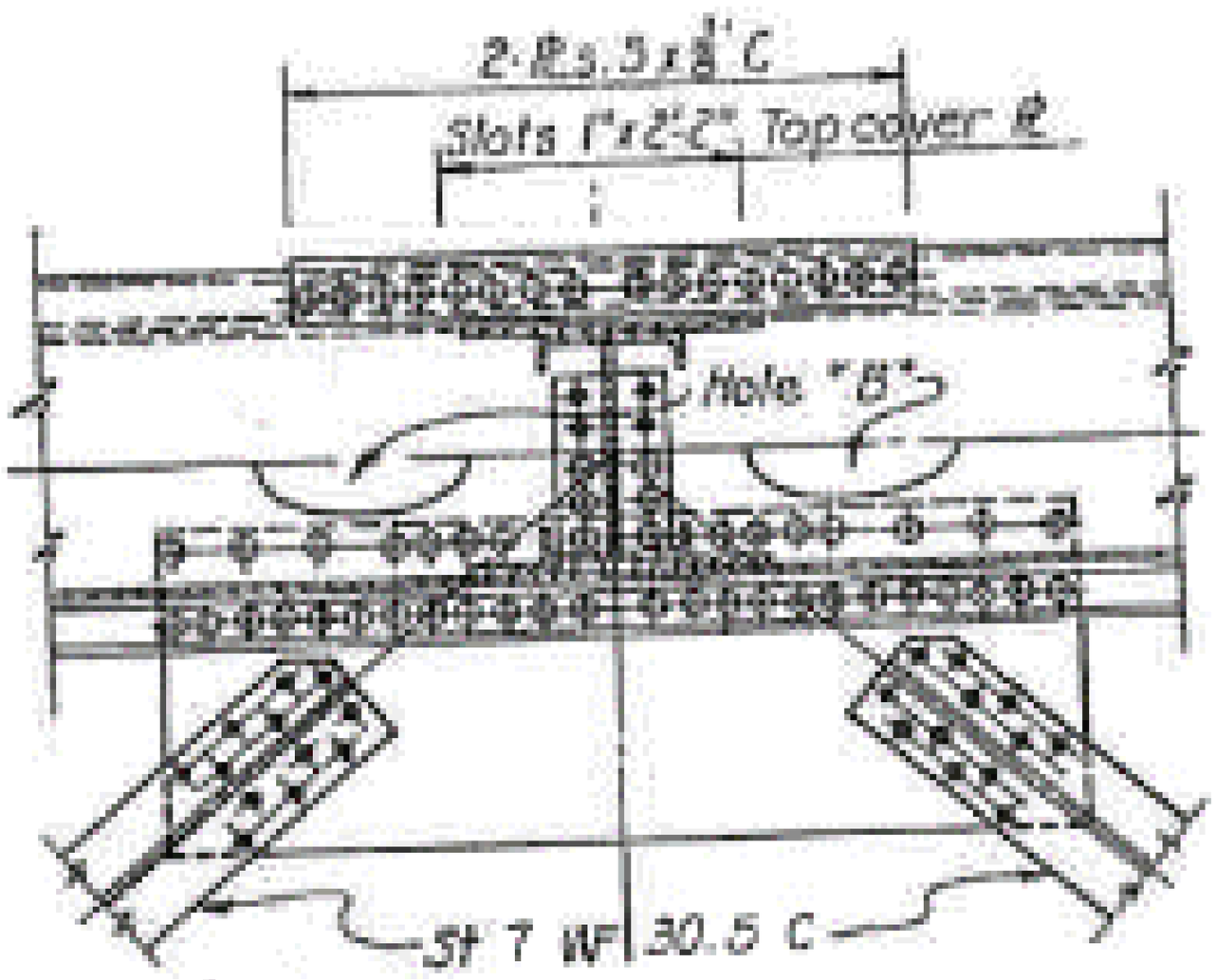
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 3_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L3

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Little Rock, AR 72201

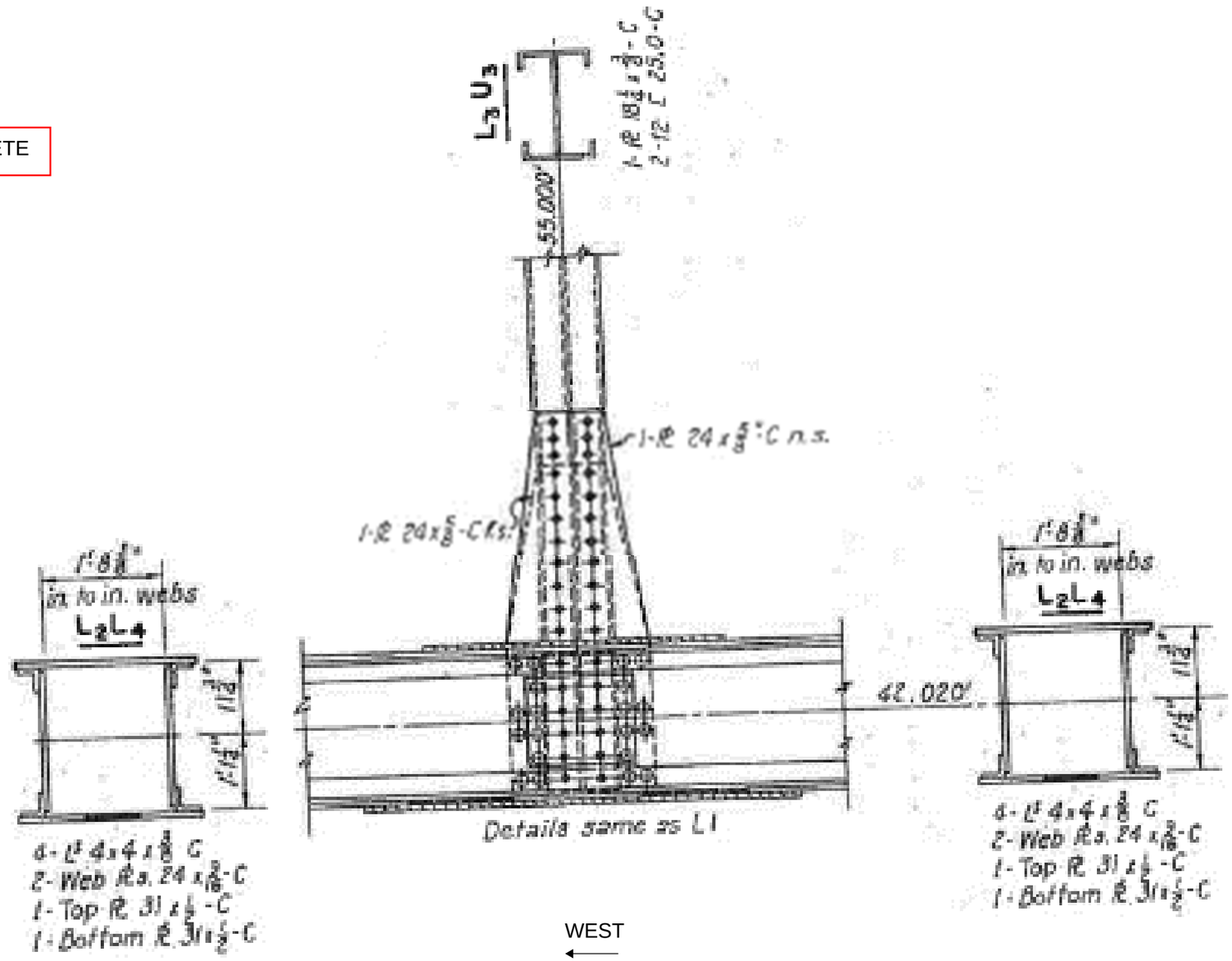
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: DFM / TJN Date: 5-5-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 3_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L3

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



WEST
EAST

Notes: Elevation View

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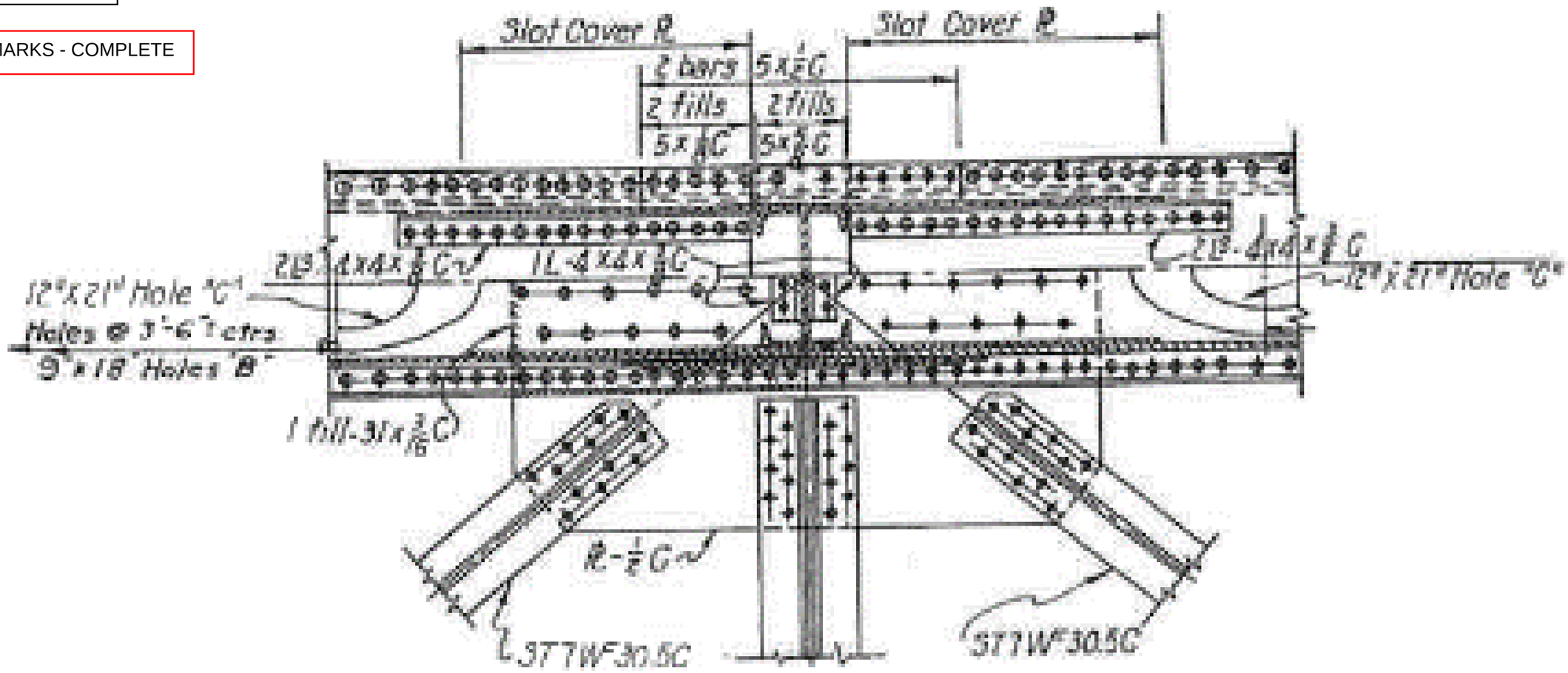
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 4_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L4

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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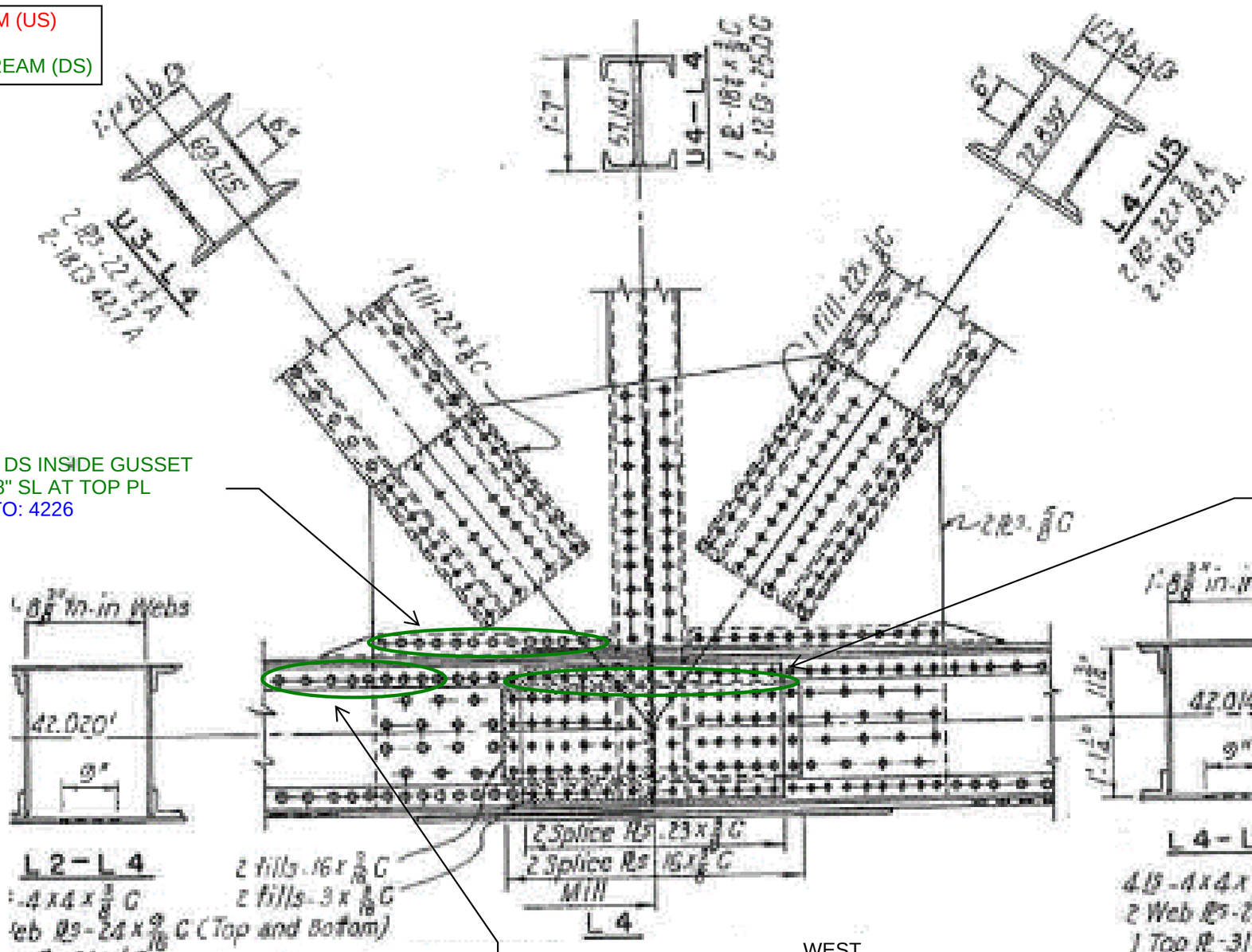
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L4

Span No. _1_ Truss location_L 4_

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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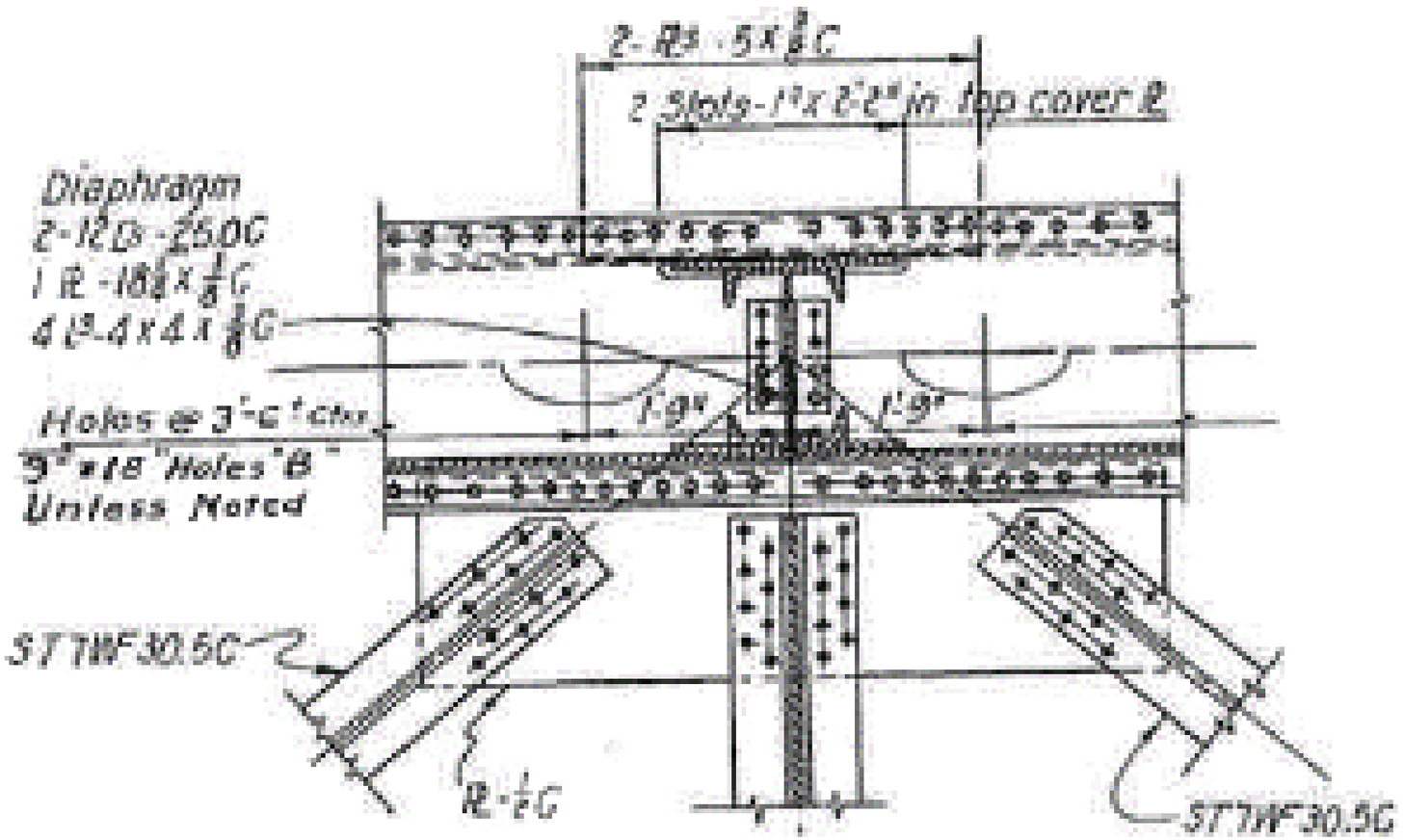
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 5_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L5

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 5_

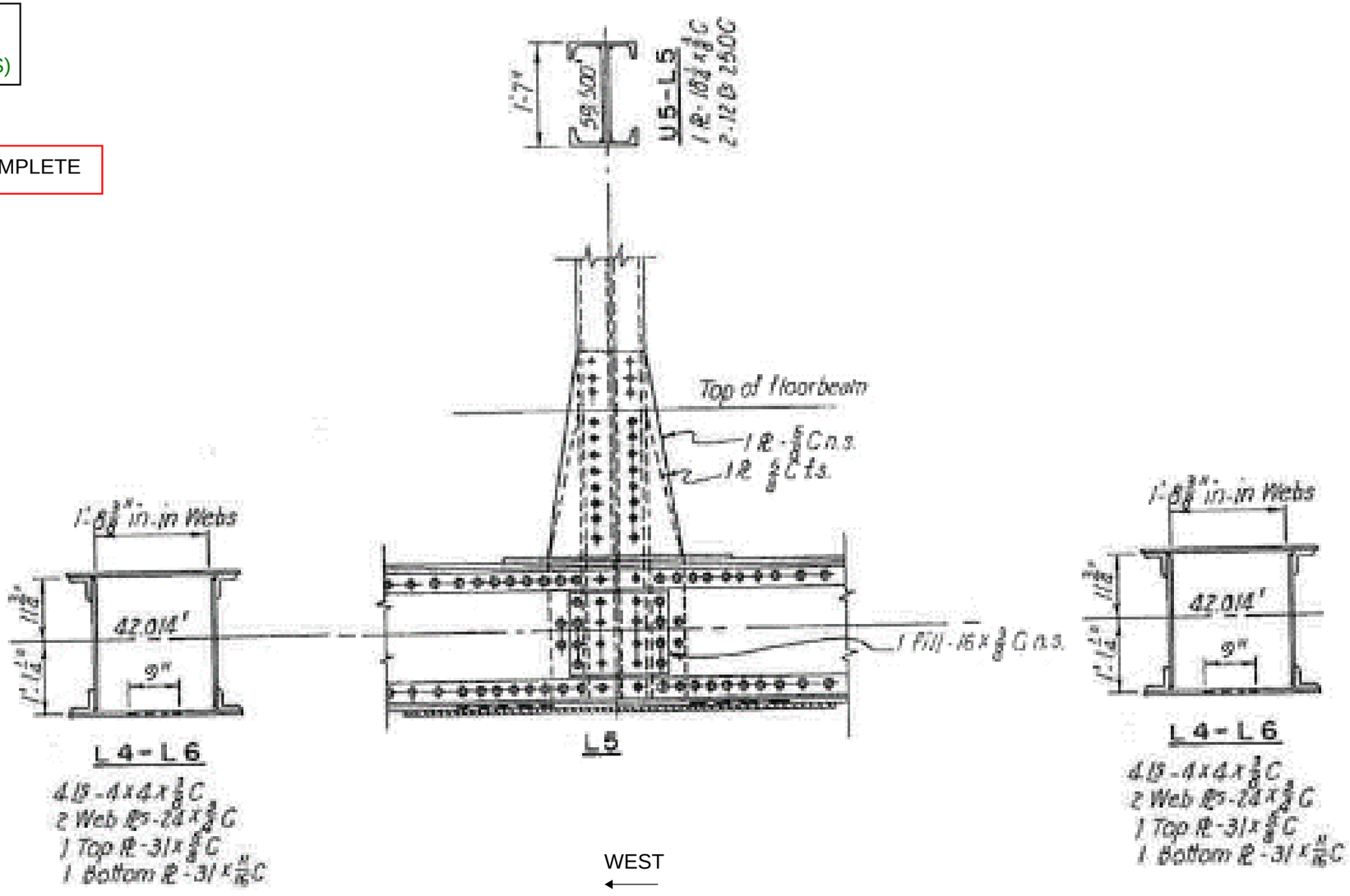
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L5

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Back to L 53
Elevation View L53'!A1



Notes: Elevation View

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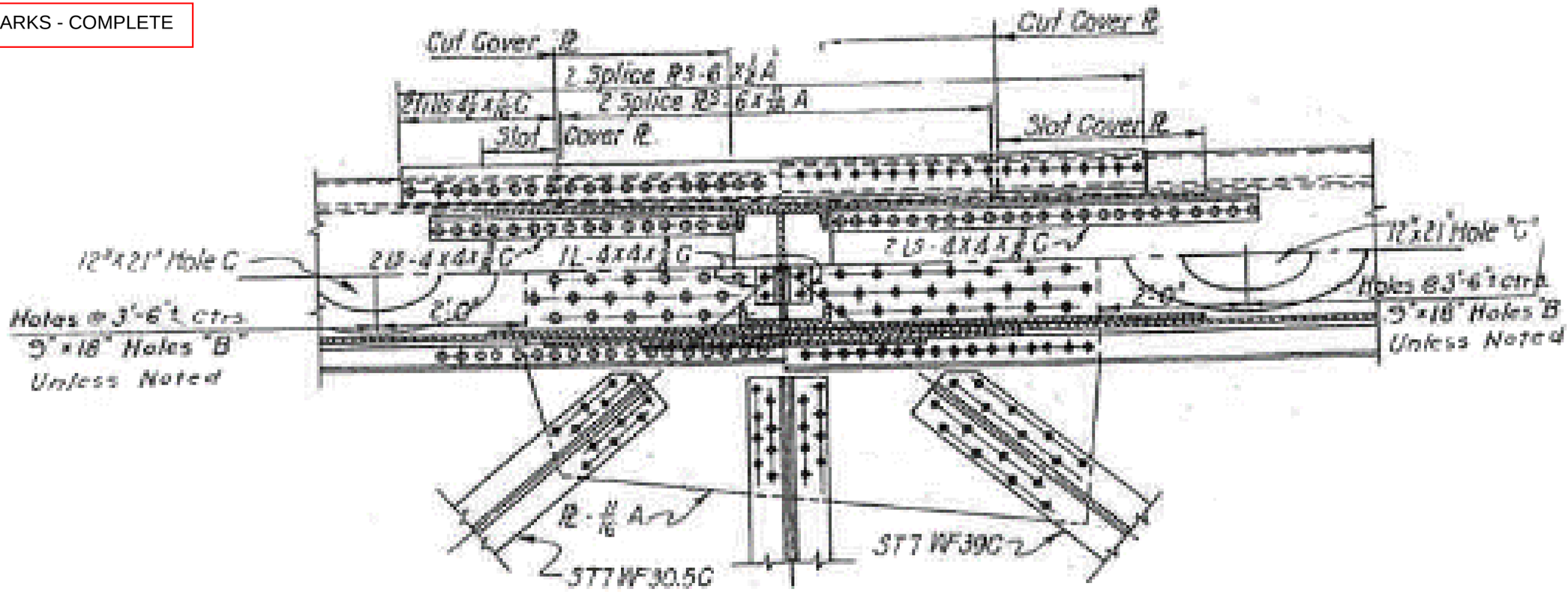
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location_L 6_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L6

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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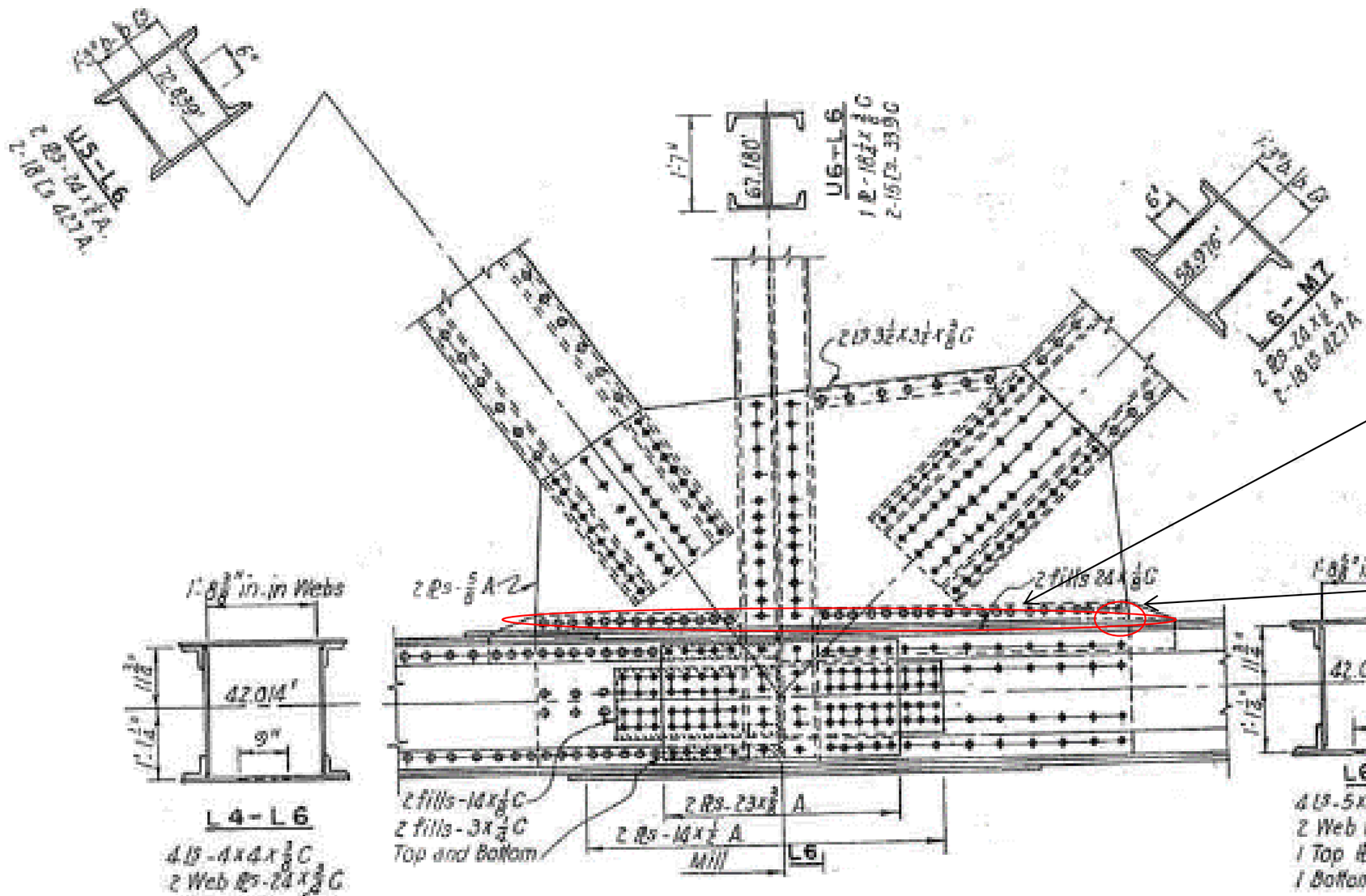
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 6_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L6

UP STREAM (US)

DOWN STREAM (DS)



DS OUTSIDE GUSSET 1/16" PITTING FULL LENGTH, ALSO AT INSIDE GUSSET
PHOTO: 4236

US OUTSIDE GUSSET 1/16" PITTING FULL LENGTH
PHOTO: 4244
DISTORTION AT TOP PL SPLICE PLACE 0.25"
PHOTO: 4244

WEST ←

EAST →

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

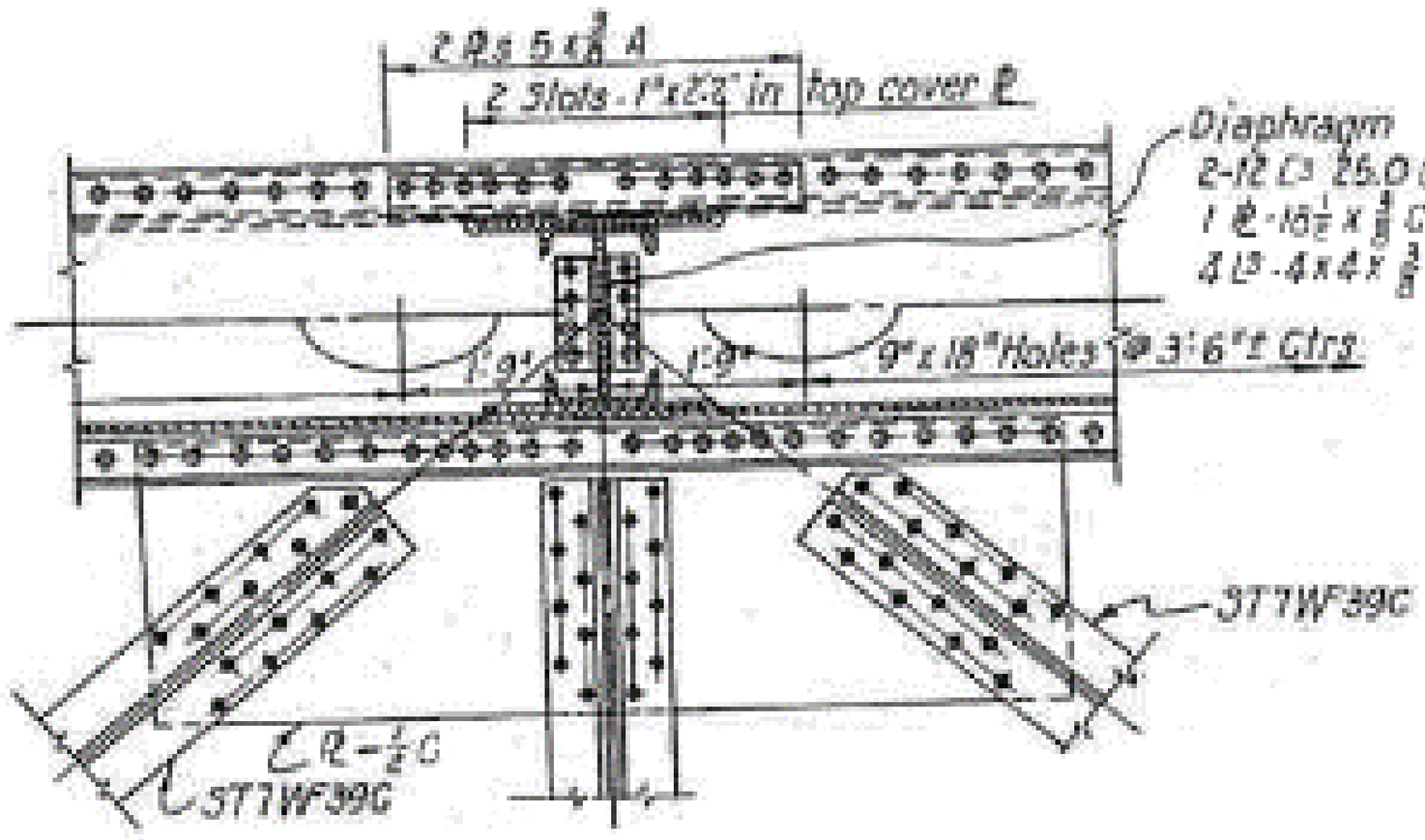
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L7

Span No. _1_ Truss location_L 7_

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Back to L 51

Plan View L51'!A1

Notes: Plan View

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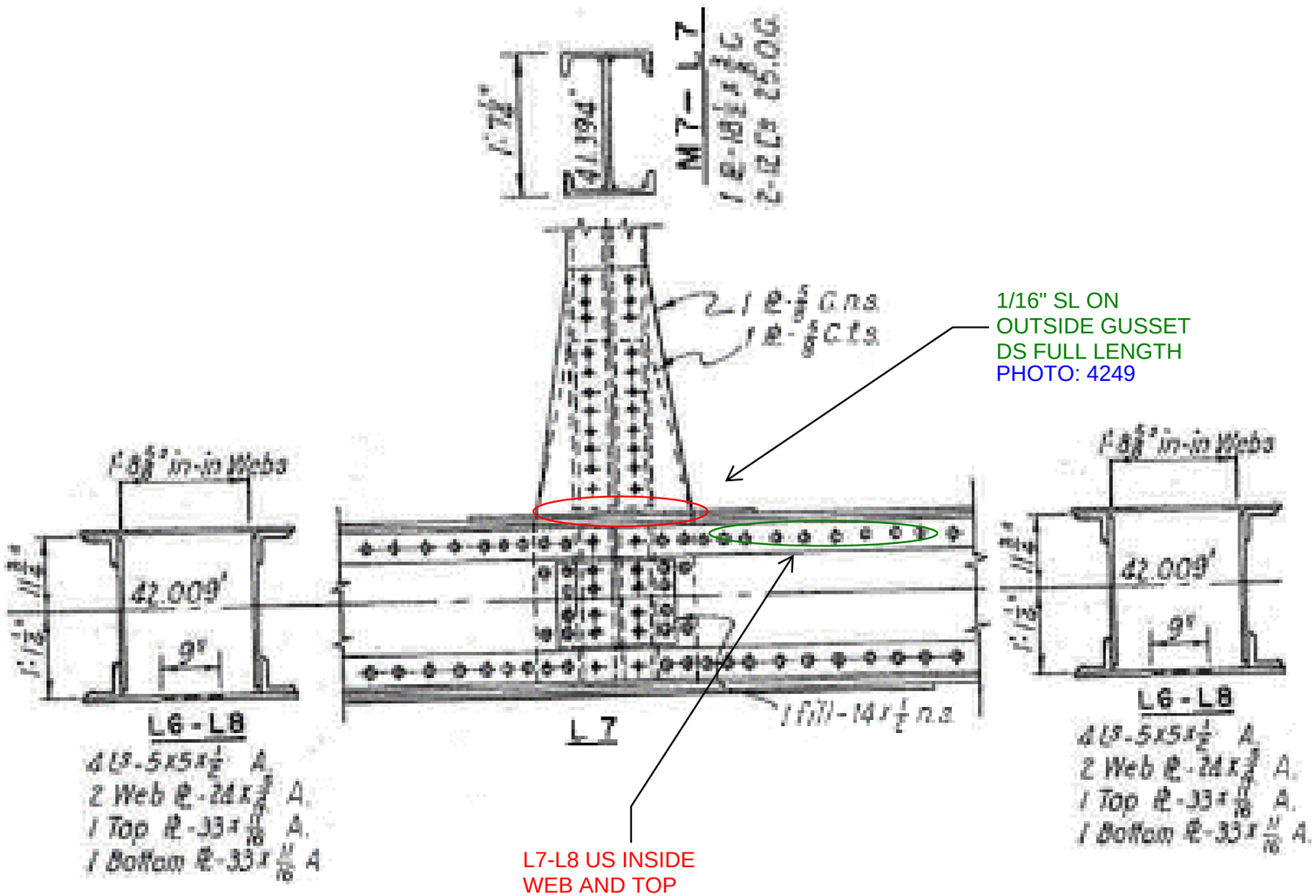
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 7_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L7

UP STREAM (US)

DOWN STREAM (DS)

Back to L 51
Elevation View L51'!A1



Notes: Elevation View

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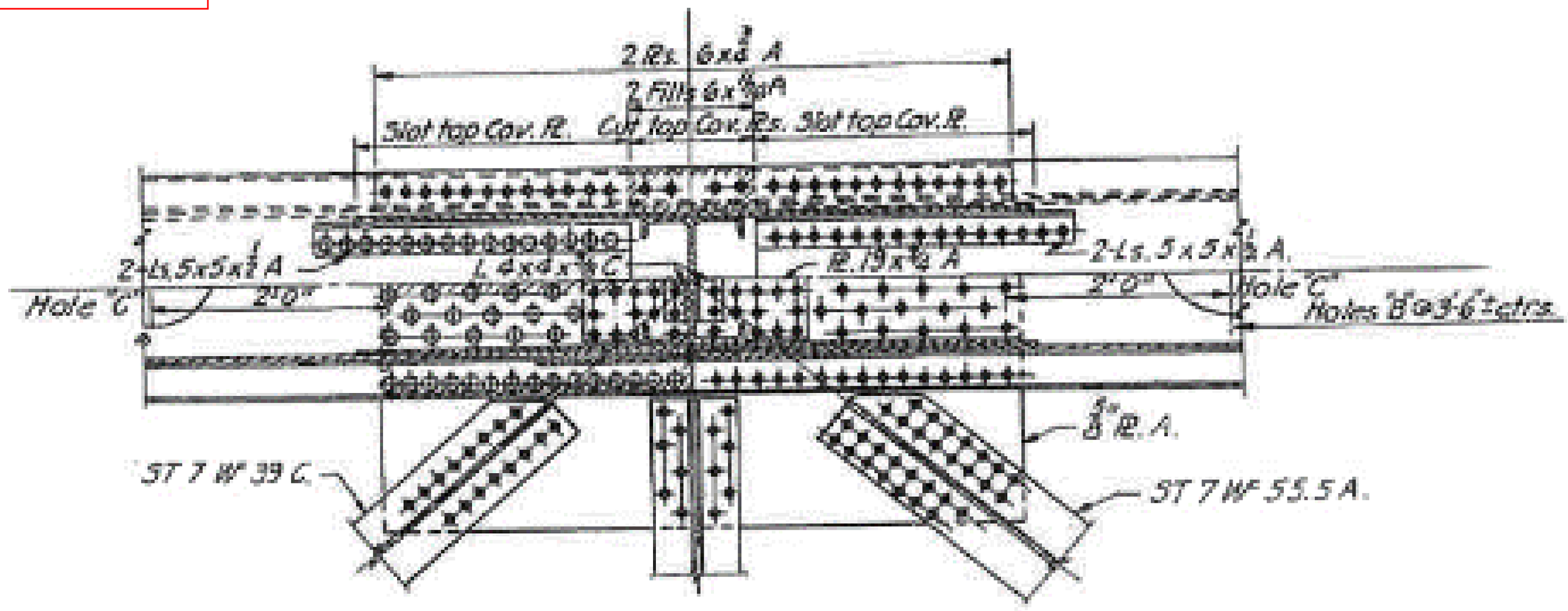
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 8_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L8

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
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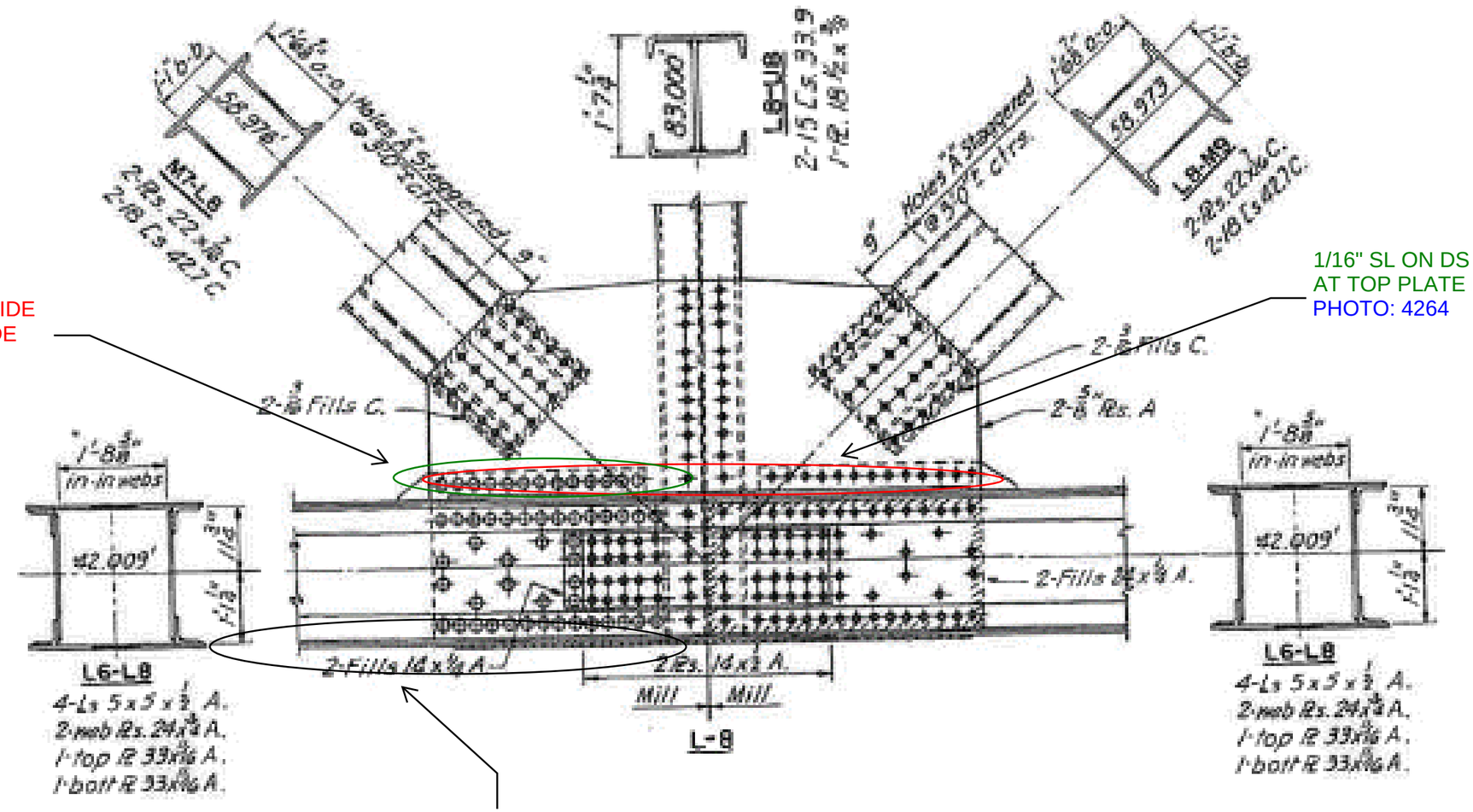
Description: Bridge No. 02899
Span No. _1_ Truss location _L 8_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L8

UP STREAM (US)

DOWN STREAM (DS)



1/16" SL ON US OUTSIDE GUSSET PANEL 8 SIDE
PHOTO: 4254

1/16" SL ON DS OUTSIDE GUSSET AT TOP PLATE FULL LENGTH
PHOTO: 4264

1/8" PITTING ON FULL WIDTH OF BOTTOM PLATE AND 6" UP WEB FOR FIRST 10' FROM L8
PHOTO: 4255-4256

Notes: Elevation View

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Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location_ L 9_

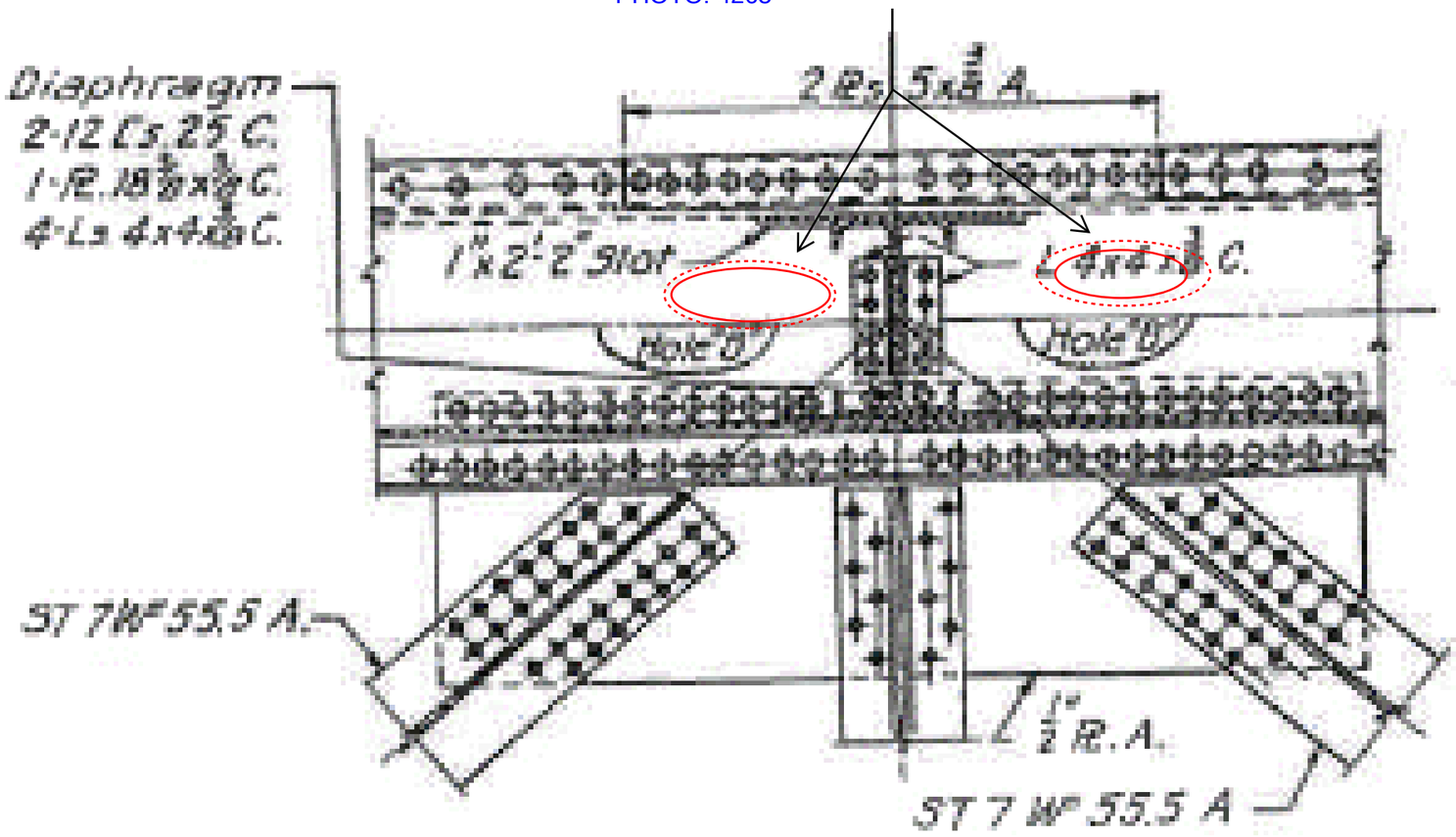
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L9

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

L8-L9 DS 1ST PERFORATION W. AND E. OF L9
3/16" SL AROUND PERFORATION FOR WIDTH OF PERFORATION AND ALONG LENGTH, 2" AROUND
PHOTO: 4265



Notes: Plan View

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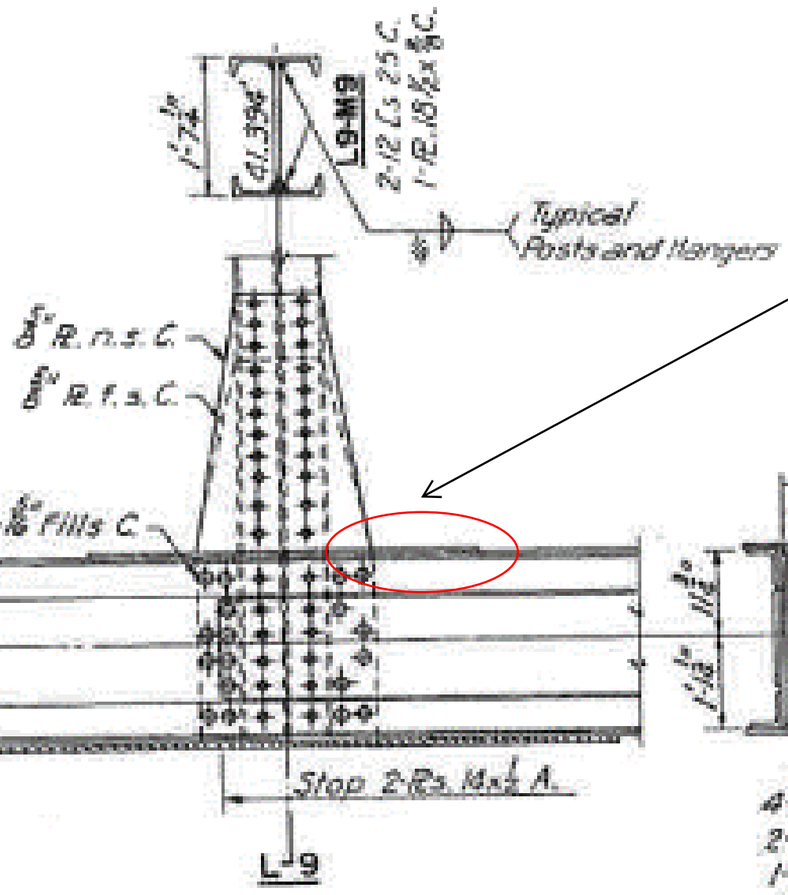
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location_L 9_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L9

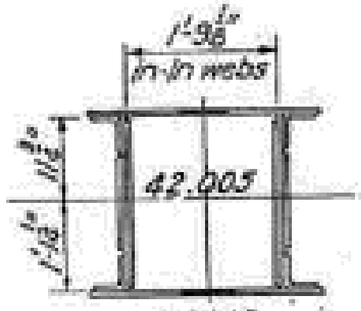
UP STREAM (US)

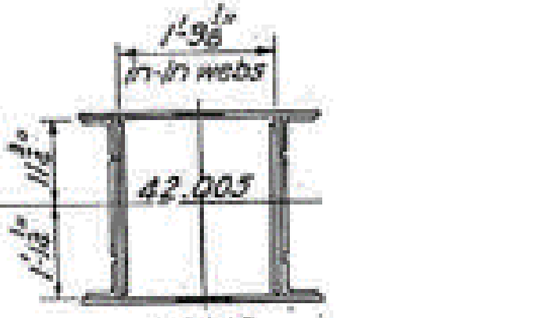
DOWN STREAM (DS)

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1



US L9-L10 AT L9 6"x2'Lx1/8"D SL ON TOP PL & INSIDE WEB AT CONN.





WEST ←
EAST →

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location_ L 10_

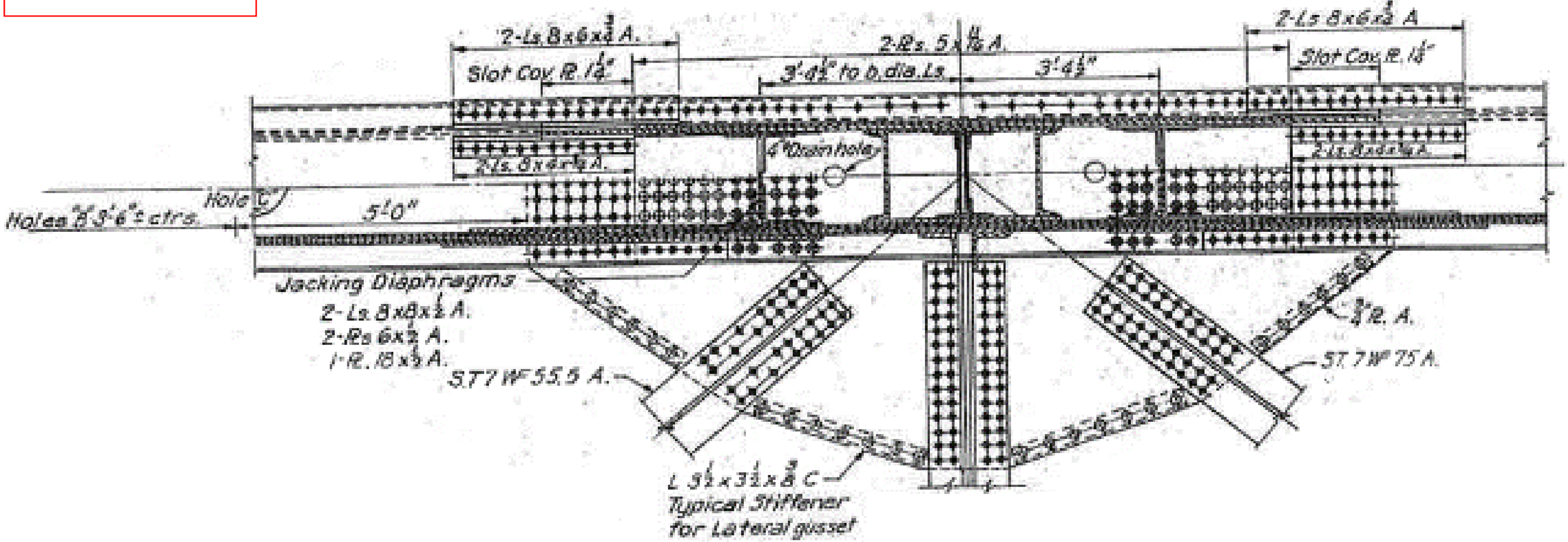
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L10

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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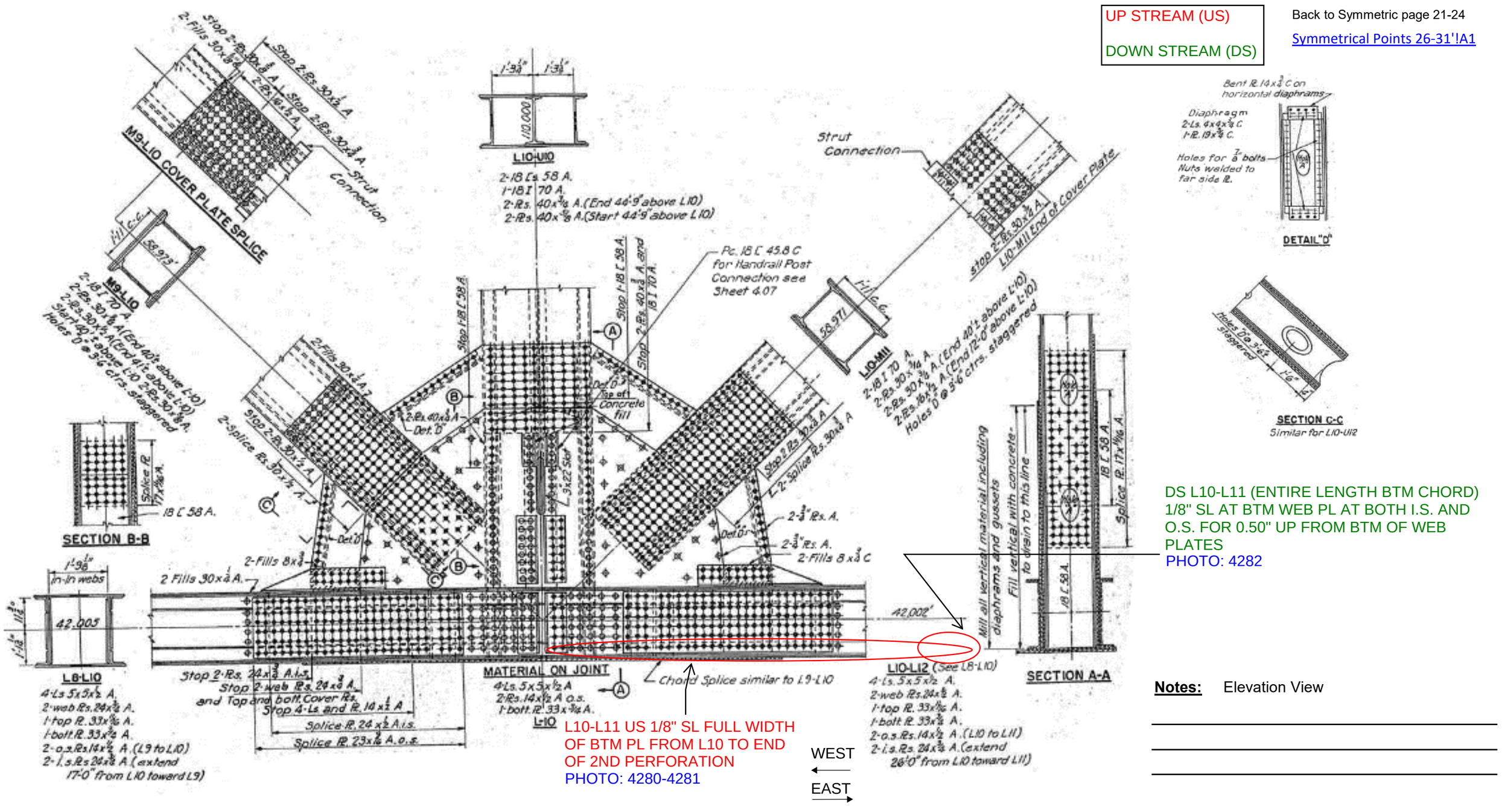
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location _L 10_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L10

UP STREAM (US)

DOWN STREAM (DS)

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1



DS L10-L11 (ENTIRE LENGTH BTM CHORD) 1/8" SL AT BTM WEB PL AT BOTH I.S. AND O.S. FOR 0.50" UP FROM BTM OF WEB PLATES
PHOTO: 4282

L10-L11 US 1/8" SL FULL WIDTH OF BTM PL FROM L10 TO END OF 2ND PERFORATION
PHOTO: 4280-4281

WEST ←
EAST →

Notes: Elevation View

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Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L11

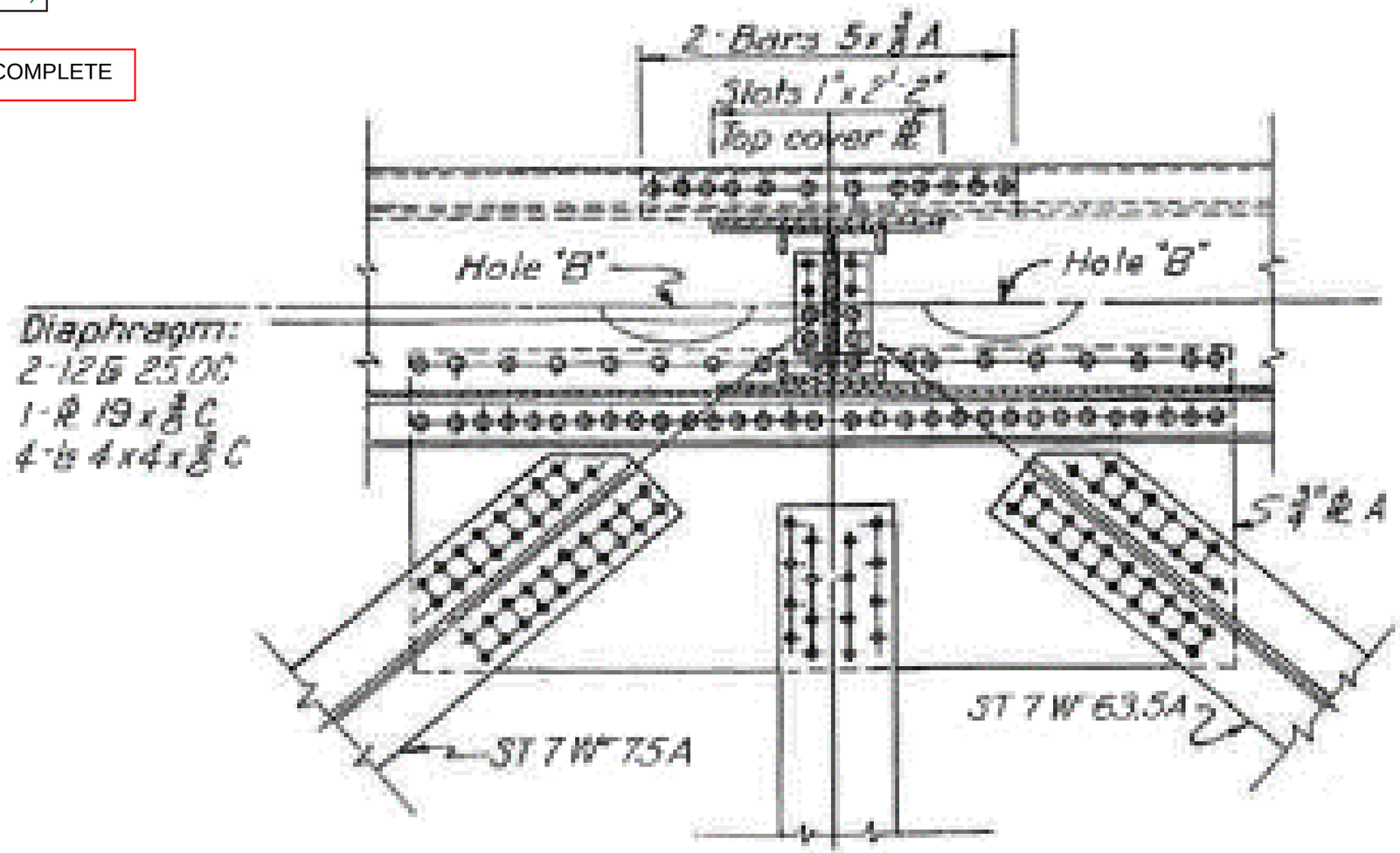
Span No. _2_ Truss location_ L 11_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: DFM / TJN Date: 5-5-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 2 Truss location L 11

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L11

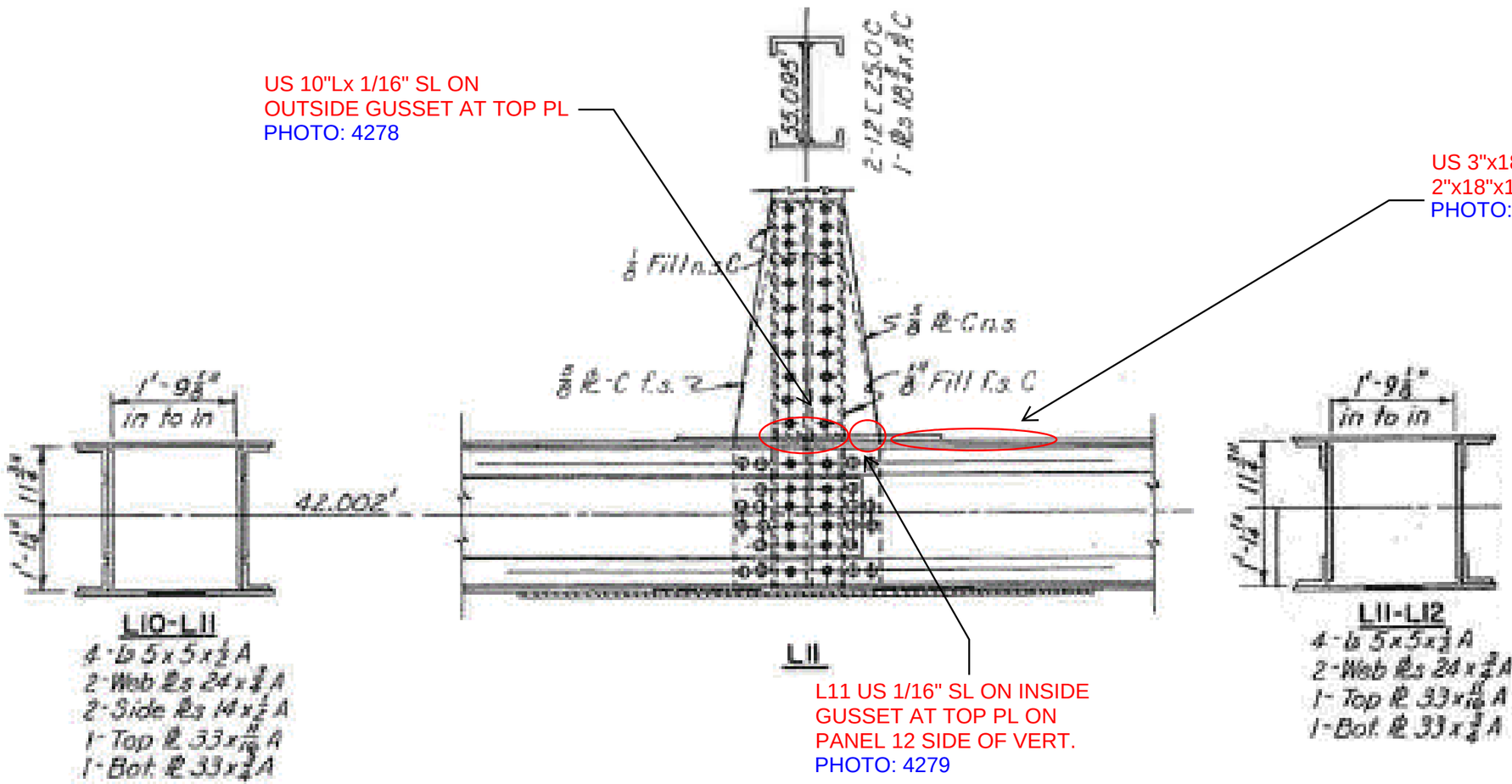
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

US 10"Lx 1/16" SL ON
OUTSIDE GUSSET AT TOP PL
PHOTO: 4278

US 3"x18"Lx 1/16"D SL ON TOP PL
2"x18"x1/16" PITTING ON WEB PL
PHOTO: 4277



L11 US 1/16" SL ON INSIDE
GUSSET AT TOP PL ON
PANEL 12 SIDE OF VERT.
PHOTO: 4279

WEST ←

EAST →

Notes: Elevation View

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Sheet No. _____ of _____
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Description: Bridge No. 02899
Span No. _2_ Truss location_ L 12_

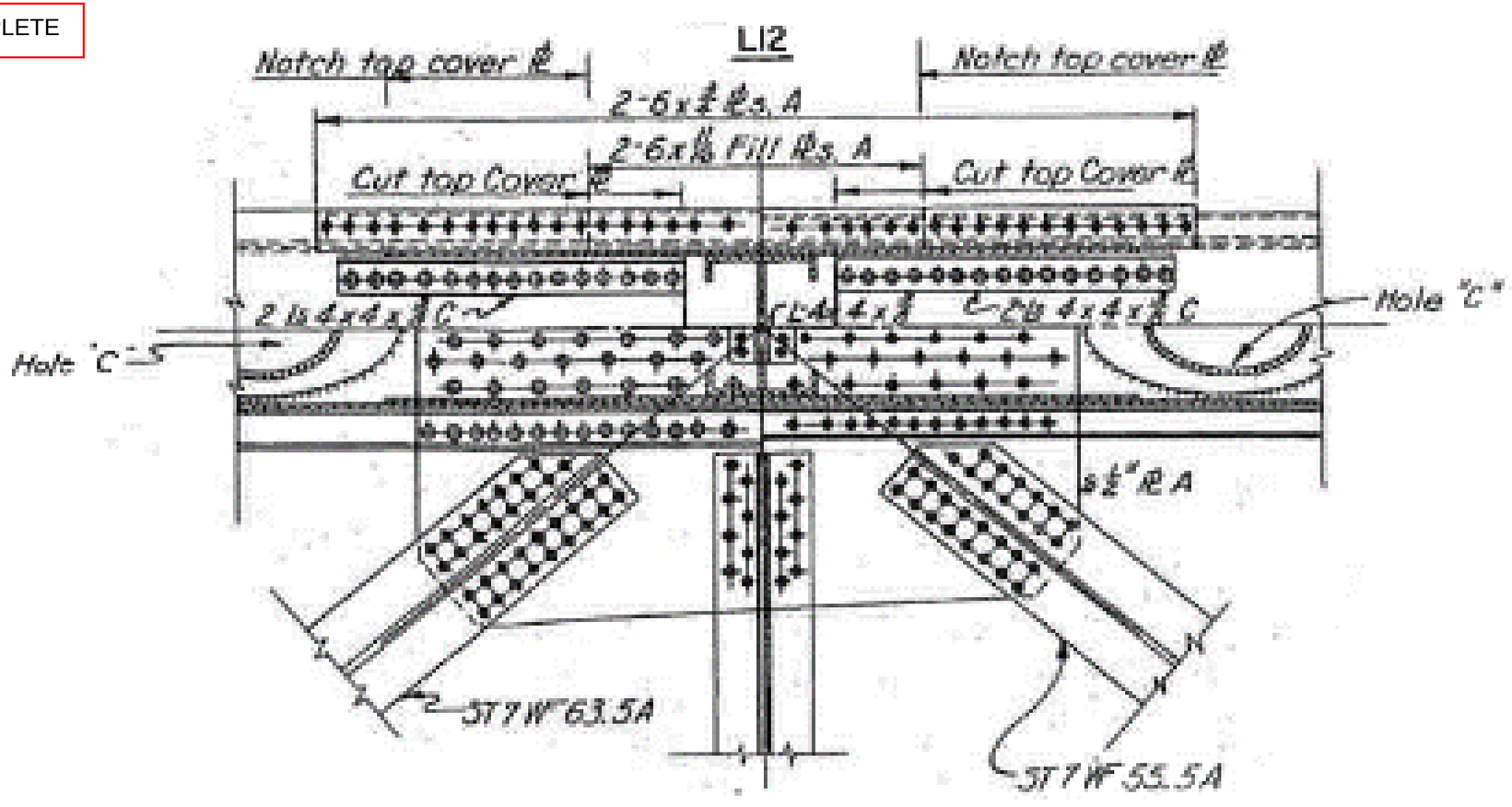
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L12

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

Back to L 62
Plan View L62'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: DFM / TJN Date: 5-5-22
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Description: Bridge No. 02899
Span No. 2 Truss location L 12

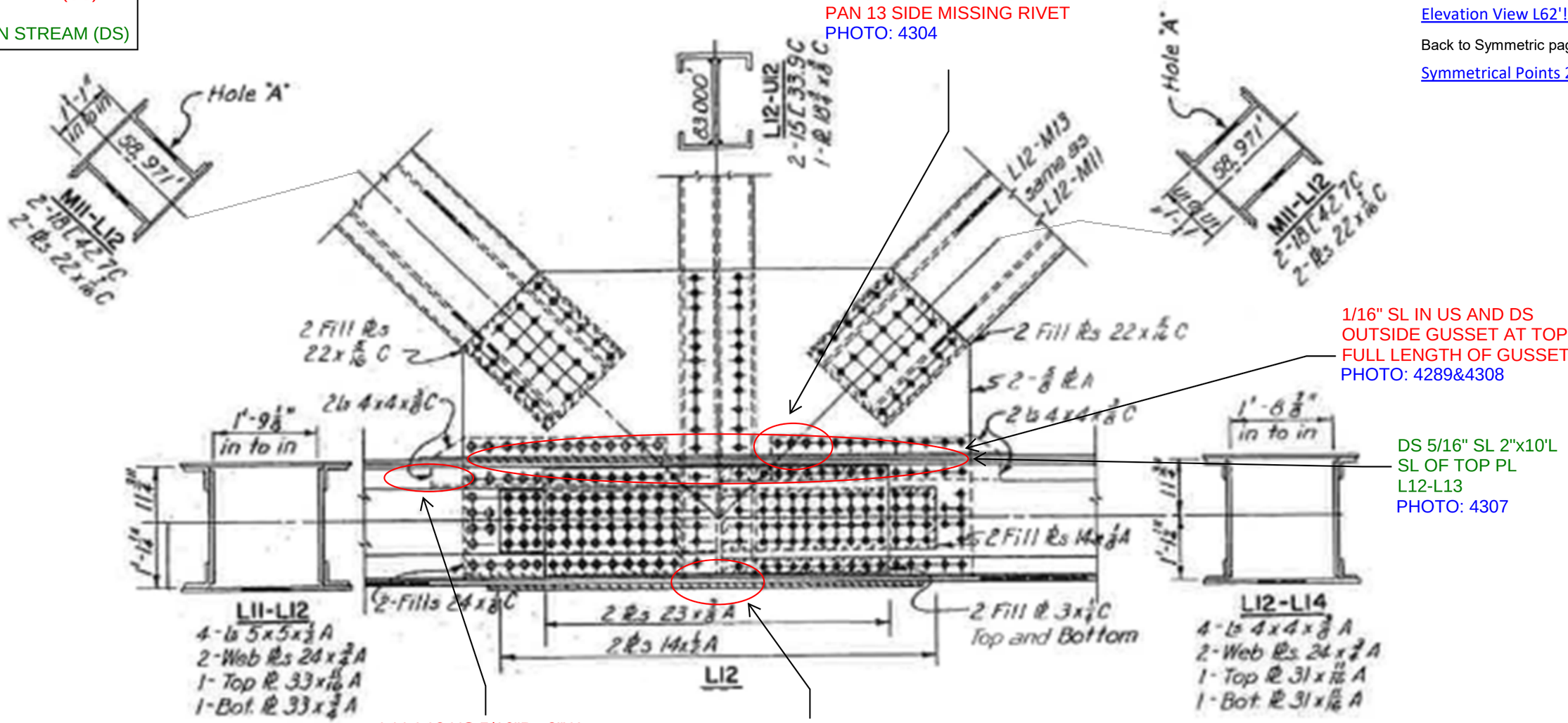
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L12

UP STREAM (US)

DOWN STREAM (DS)

Back to L 62
Elevation View L62'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

AT I.S. FACE OF GUSSET
PAN 13 SIDE MISSING RIVET
PHOTO: 4304



1/16" SL IN US AND DS
OUTSIDE GUSSET AT TOP PL
FULL LENGTH OF GUSSET
PHOTO: 4289&4308

DS 5/16" SL 2"x10'L
SL OF TOP PL
L12-L13
PHOTO: 4307

L11-L12 US 5/16"Dx 2"Wx
10" L CORR. OF TOP PL
PHOTO: 4290 PHOTO: 4309

US MISSING RIVET AT
LOWER LATERAL PL SAME
RIVET ALSO MISSING AT DS
END PHOTO: 4291

WEST
←
EAST
→

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _2_ Truss location_ L 13_

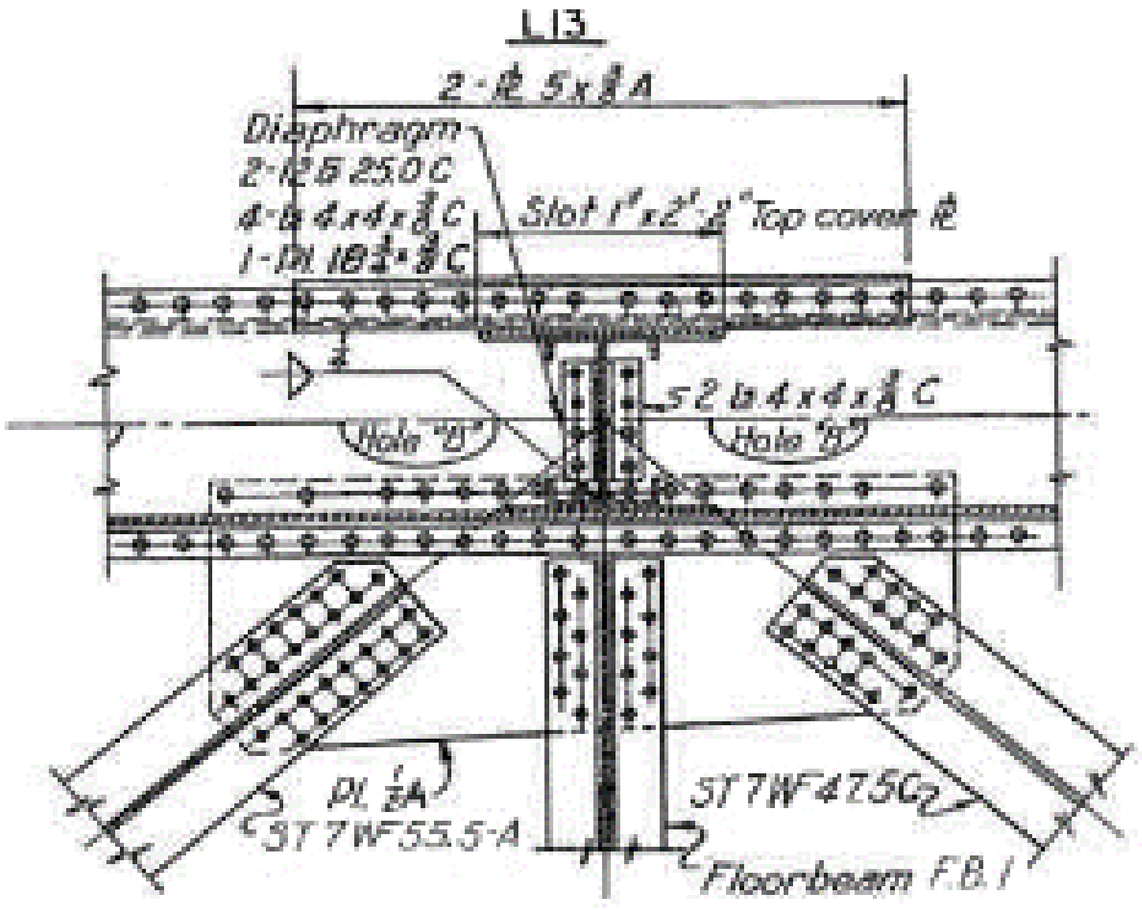
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L13

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Description: Bridge No. 02899
Span No. 2 Truss location L 13

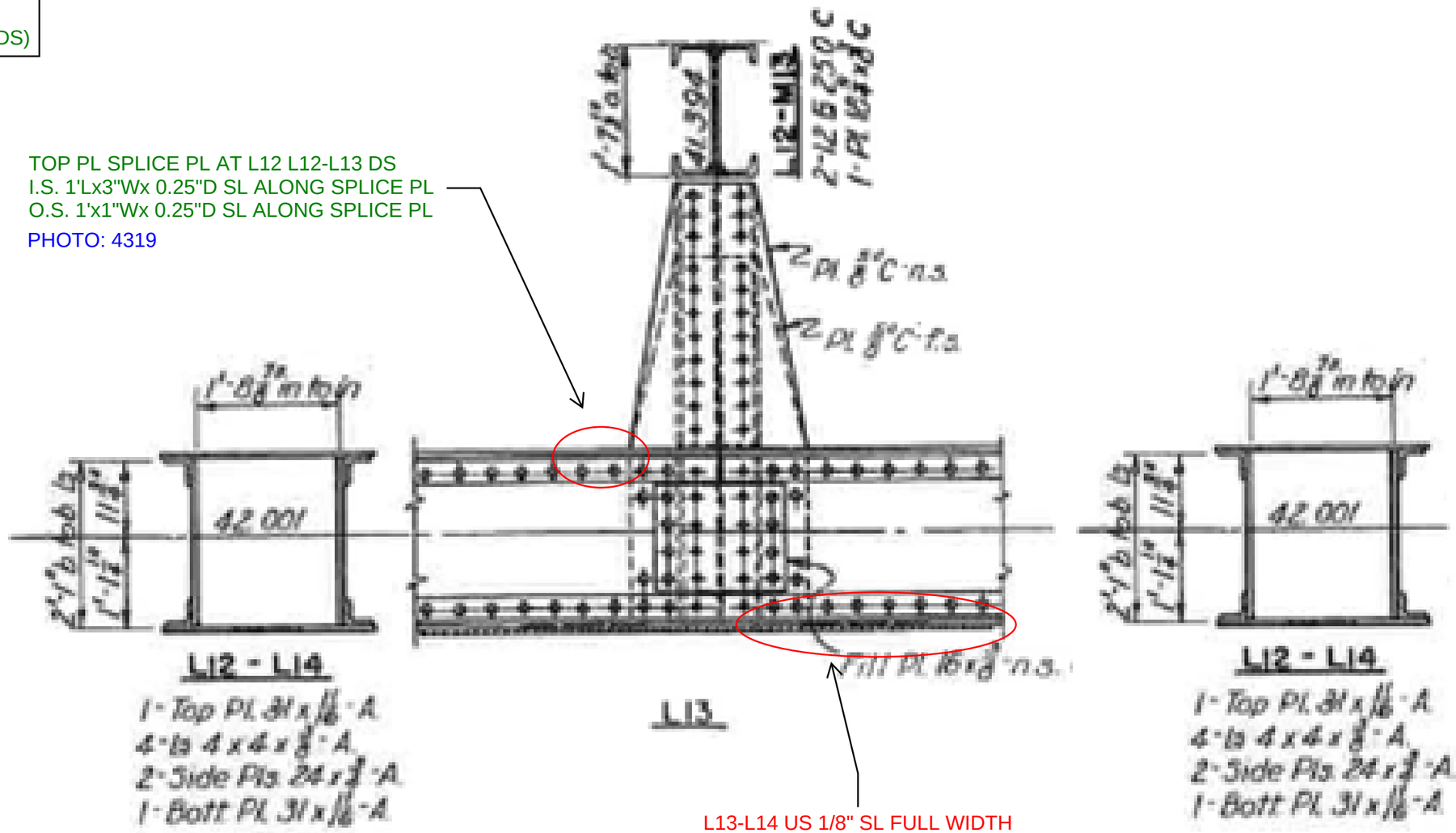
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L13

UP STREAM (US)

DOWN STREAM (DS)

Back to L 61
Elevation View L61'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

TOP PL SPLICE PL AT L12 L12-L13 DS
I.S. 1'Lx3"Wx 0.25"D SL ALONG SPLICE PL
O.S. 1'x1"Wx 0.25"D SL ALONG SPLICE PL
PHOTO: 4319



L13-L14 US 1/8" SL FULL WIDTH
BTM PL FOR 3'L FROM L13
PHOTO: 4311

WEST
EAST

Notes: Elevation View

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Made by: DFM / TJN Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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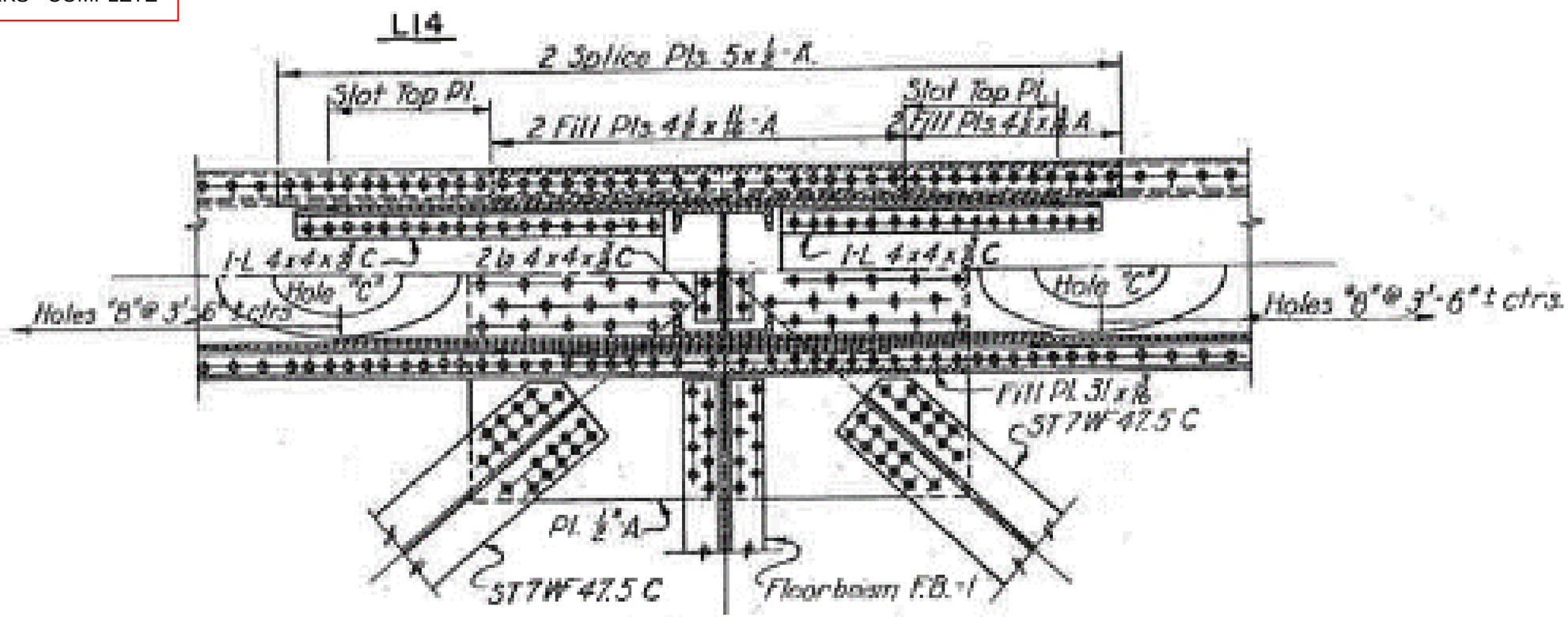
Span No. _2_ Truss location_ L 14_

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location L 14

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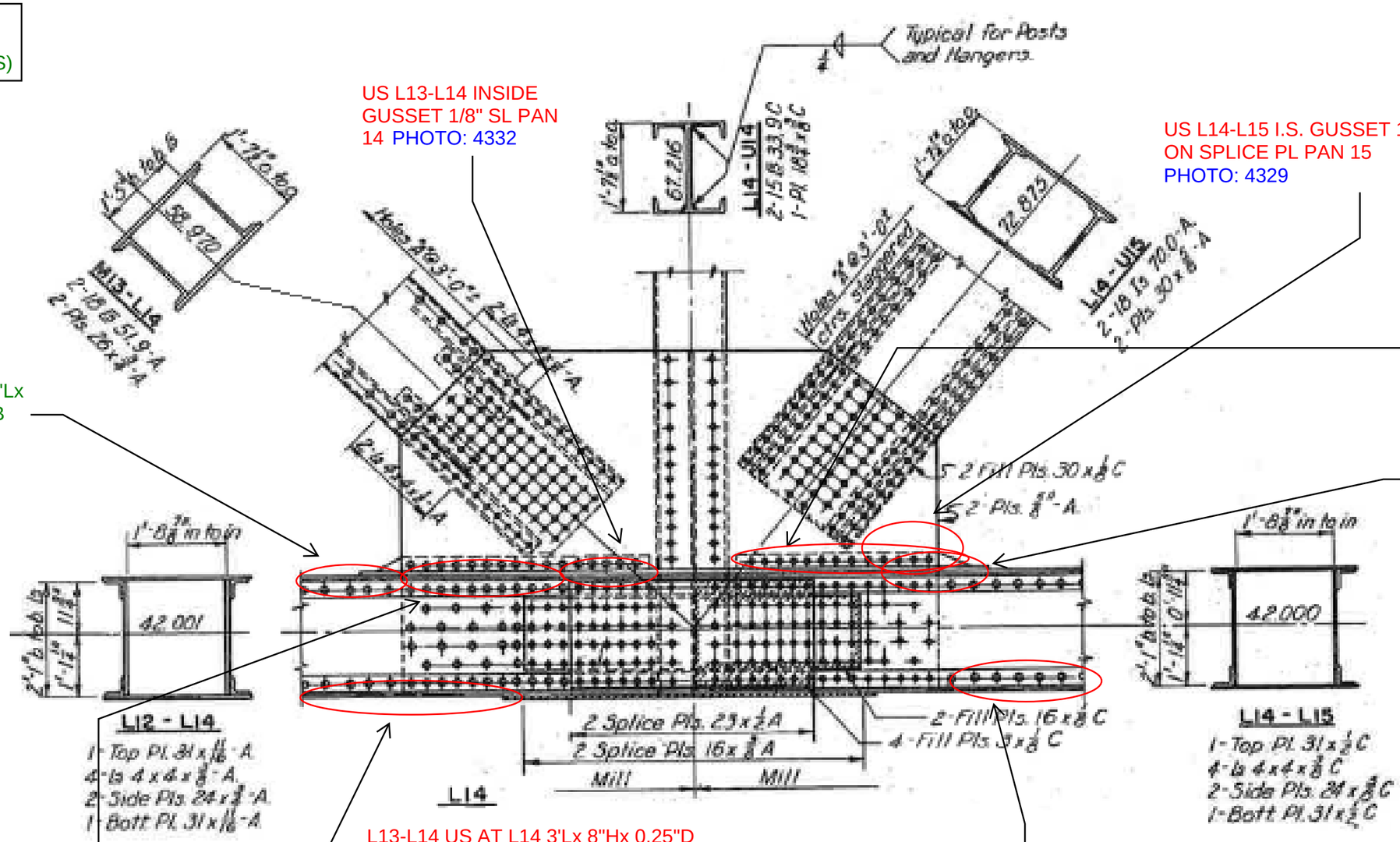
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)



US L13-L14 INSIDE GUSSET 1/8" SL PAN 14 PHOTO: 4332

US L14-L15 I.S. GUSSET 1/16" SL AND SL ON SPLICE PL PAN 15 PHOTO: 4329

L14 DS OUTSIDE GUSSET 1/16" SL ALONG LENGTH OF GUSSET PHOTO: 4326

L13-L14 DS 4"Hx 3'Lx 0.25"D SL I.S. WEB PL AT TOP PL PHOTO: 4320

DS L14-L15 AT L14 1/16" SL ON I.S. GUSSET AT TOP PL PHOTO: 4324

L14 US ON PAN 14 SIDE 1/16" CORR O.S. GUSSET AT TOP PL PHOTO: 4335

L13-L14 US AT L14 3'Lx 8"Hx 0.25"D ON I.S. WEB 3'Lx 10"Hx 0.25" ON BOTTOM PHOTO: 4336

L14-L15 DS AT 2ND PERFORMATION FROM L14 0.25"Dx FULL WIDTH x 2'L BTM PL SL PHOTO: 4327

L14 - L15 US BTM PL 3/8"Dx FULL W x FULL LENGTH OF PERFORMATION (1ST PERFORATION) PHOTO: 4333-4334

WEST ←
EAST →

Notes: Elevation View

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Span No. _2_ Truss location_L 15_

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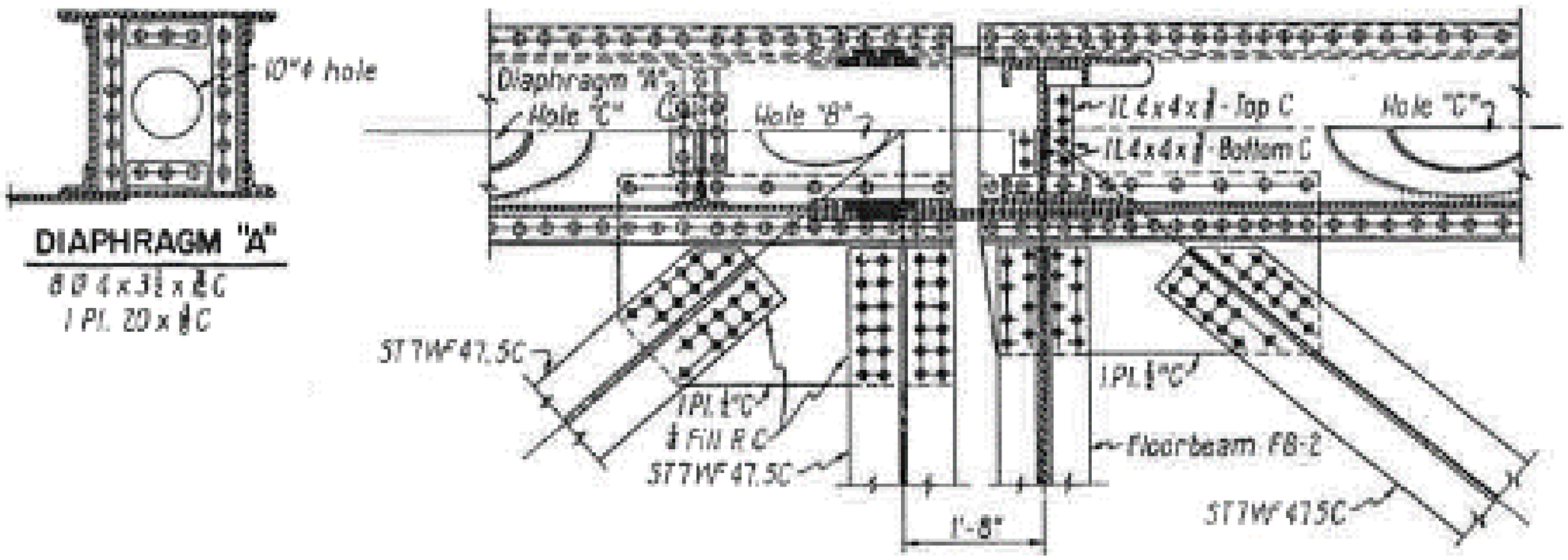
UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE

L 15



Notes: Plan View

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Span No. _2_ Truss location_ L 15_

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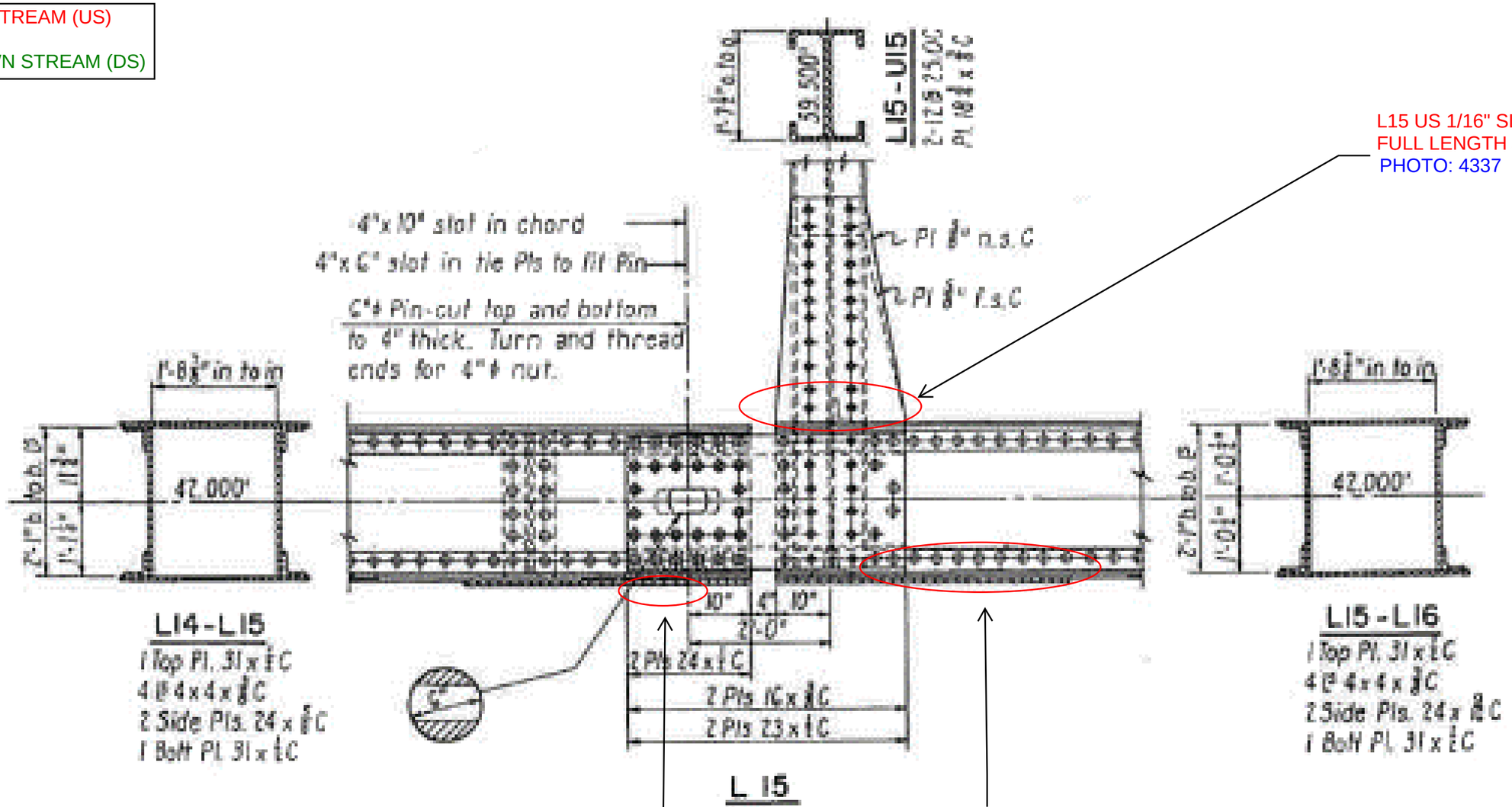
UP STREAM (US)

DOWN STREAM (DS)



L15 US 1/16" SL AT O.S. GUSSET, FULL LENGTH AT TOP PL
PHOTO: 4337

L14-L15 DS BTM PL 3" DIAM. & 2" DIAM. HOLE
PHOTO: 4349

L15-L16 DS BTM PL
2'Lx 0.25"D SL AT
L15 PHOTO: 4348

WEST ←
EAST →

Notes: Elevation View

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Span No. _2_ Truss location_ L 16_

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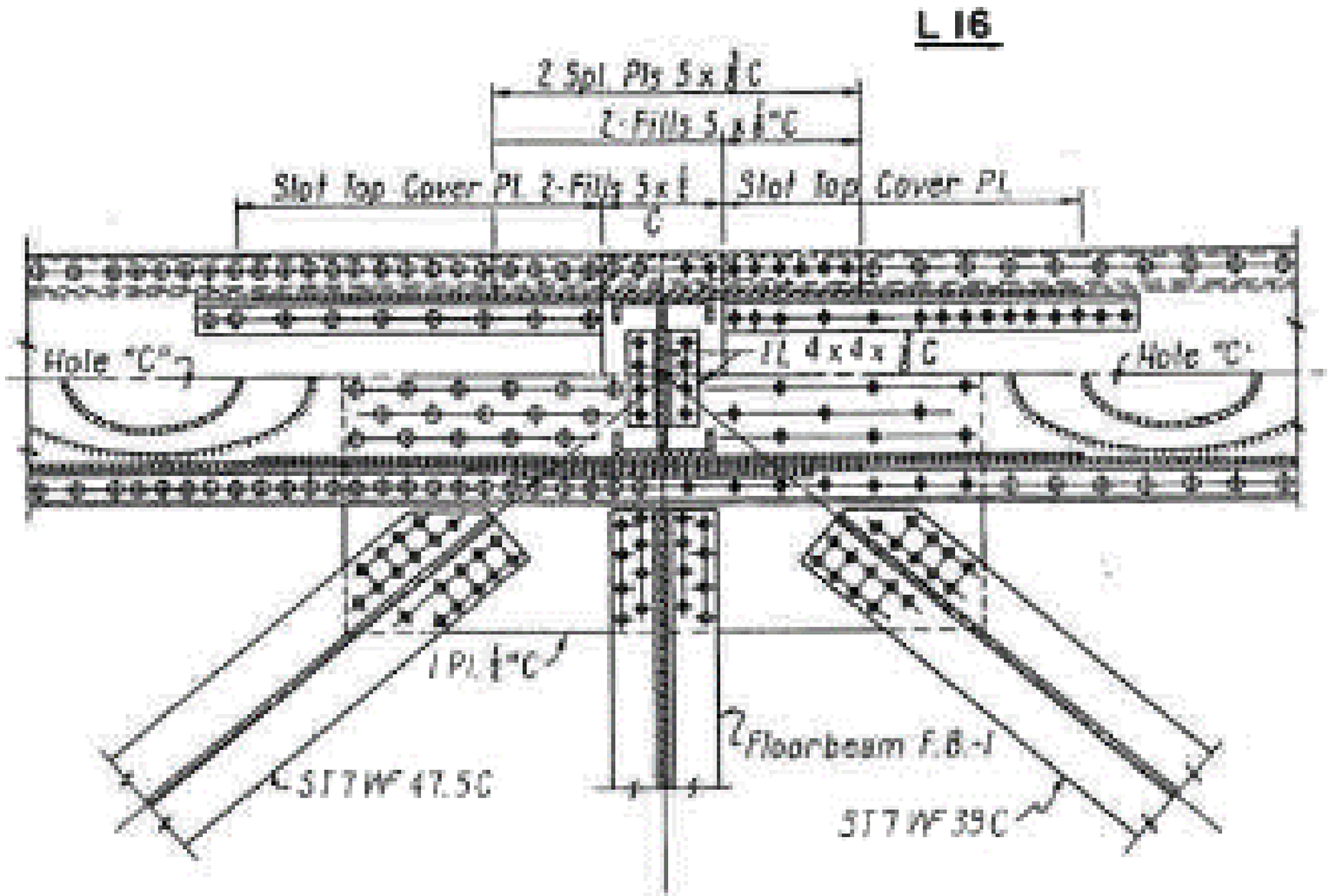
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Description: Bridge No. 02899
Span No. 2 Truss location L 16

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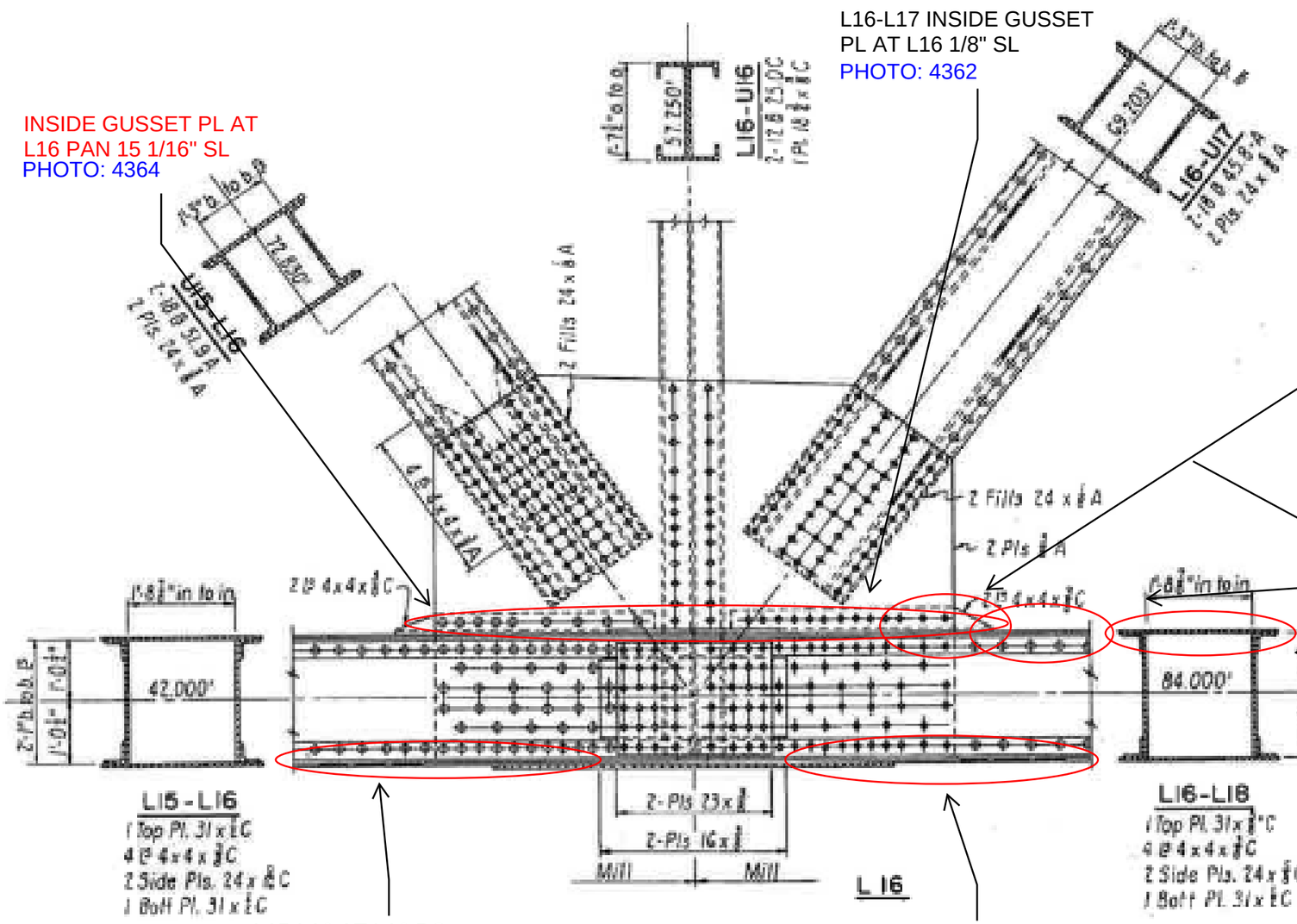
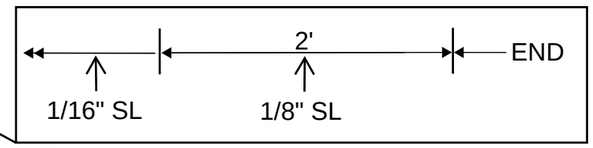
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)



L16 DS OUTSIDE &
INSIDE PAN 17 GUSSET
AT TOP PL 1/16" SL
(SAME AT US)
PHOTO: 4353 & 4356 & 4367



L16-L17 DS BENT TOP
PL FOR 10' FROM L16
PHOTO: 4354

* L16-L17 DS AROUND 11' FROM L16
DS 4"x2.75"x5.75" SURFACE BREAK
INDICATIONS IN TOP PL
PHOTO: 4369-4371
* L16-L17 US AROUND 16'-3" E. OF
L16 3.875" SURFACE BREAK
INDICATIONS IN TOP PL
PHOTO: 4372-4374

L15-L16 AT L16 DS
0.25"Dx FULL WIDTH x
10'L AND 2" UP WEB
PLATES
PHOTO: 4352

US L15 - L16 at L16
0.25"Dx 10"Wx 5'L SL
PHOTO: 4366

WEST
EAST

L16-L17 AT L16 US
0.25"Dx 10"Wx 5'L BTM PL
0.25"Dx 8"Hx5'L I.S. WEB
PL
PHOTO: 4368

Notes: Elevation View

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Description: Bridge No. 02899
Span No. _2_ Truss location_ L 17_

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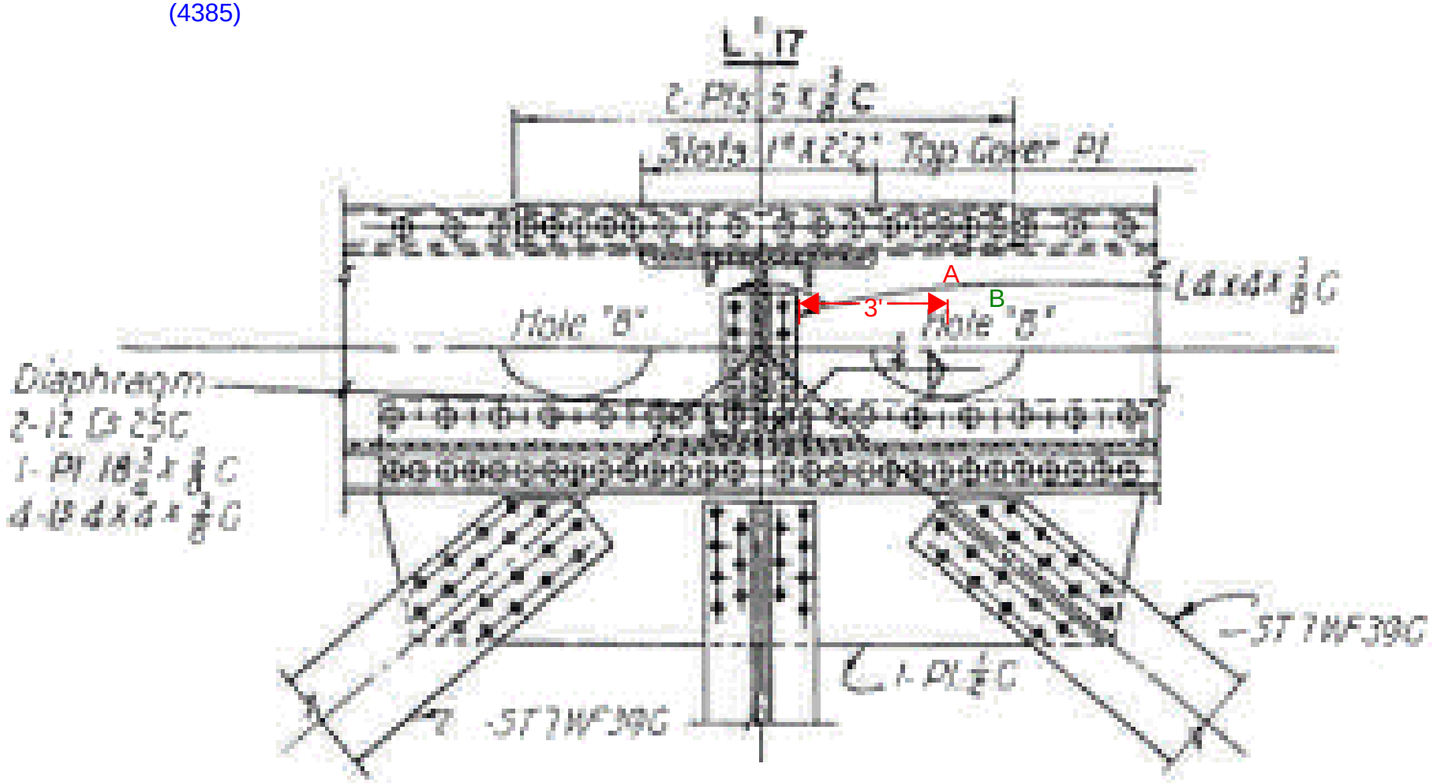
Upstream (North)
Downstream (South)
Photo Number

B. L16-L17
bottom plate 6"x3/16"
top plate 2"x1/8"
web 2"x1/4" inside and outside web at L17
8' long
(4385)

A. 3' long x 6" high x 1/16" deep section loss on inside web
3'long x 6" high x 1/8" deep section loss on bottom plate inside
3'x6" x 1/16" section loss on bottom plate inside (4375)

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1



EAST

EAST

Notes: Plan View

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Description: Bridge No. 02899
Span No. 2 Truss location L 17

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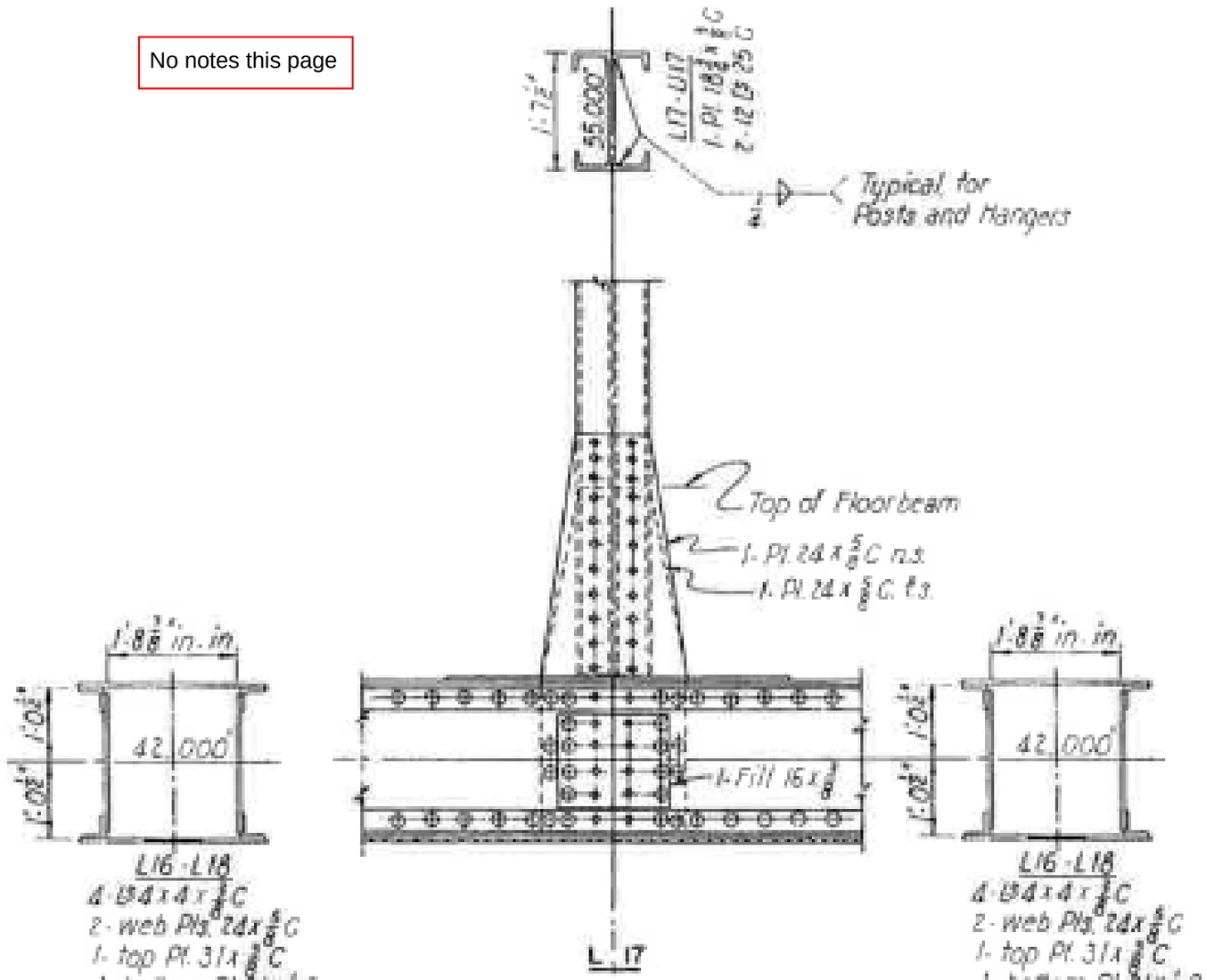
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number

No notes this page



Notes: Elevation View

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Description: Bridge No. 02899
Span No. _2_ Truss location_ L 18_

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Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number

A. L17-L18 Downstream at L18 for 15' -
pack rust, section loss on inside web = 10" tall x 1/4" deep
outside web = 6" tall x 1/4" deep
(4386)

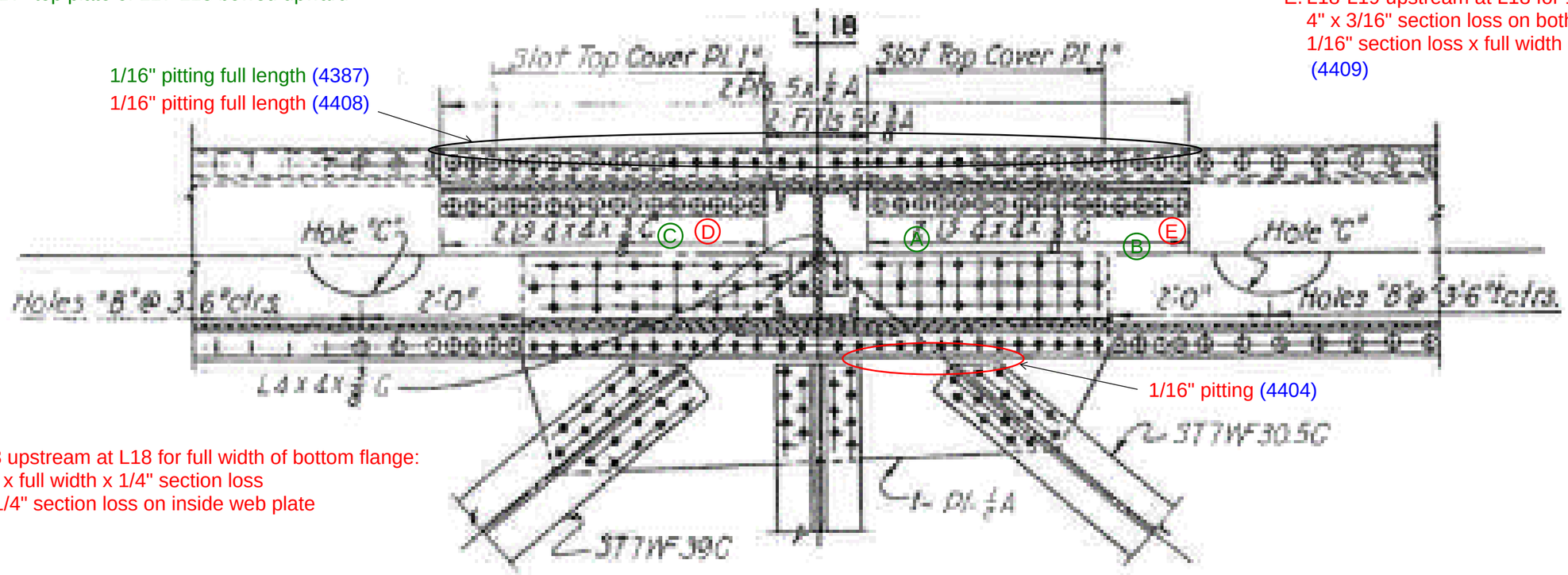
B. top plate of L17-L18 bowed upward

C. 1/16" pitting full width of bottom plate
3/16" for 2" up inside and outside flange
L18-L19 downstream at L18 for 10'
(4388)

similar section loss at midspan of L18-L19

E. L18-L19 upstream at L18 for 10':
4" x 3/16" section loss on both inside and outside web plate
1/16" section loss x full width on bottom plate
(4409)

1/16" pitting full length (4387)
1/16" pitting full length (4408)



D. L17-L18 upstream at L18 for full width of bottom flange:
10' long x full width x 1/4" section loss
10'x6"x1/4" section loss on inside web plate
(4407)

EAST

EAST

Notes: Plan View

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Description: Bridge No. 02899
Span No. 2 Truss location L 18

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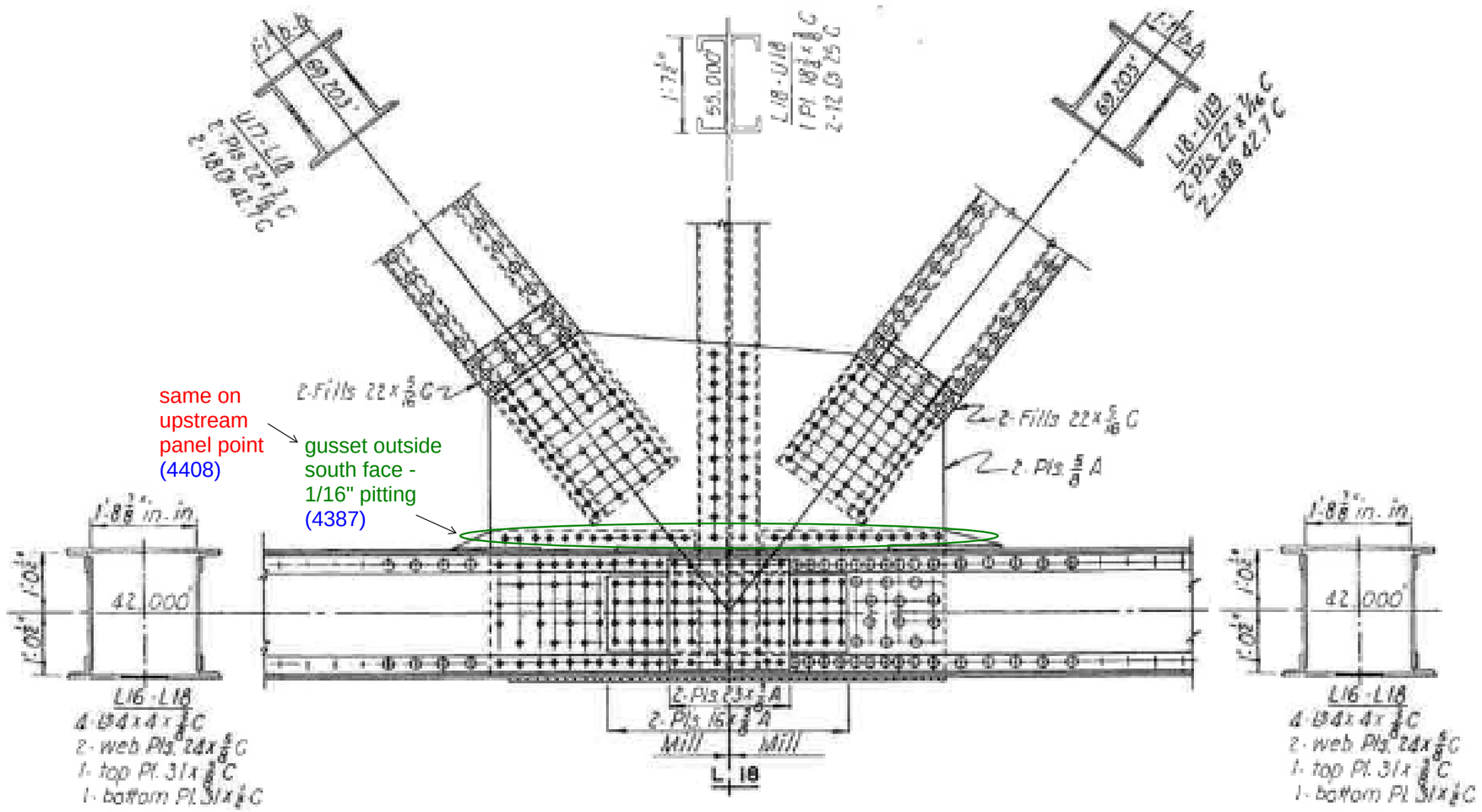
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number



Notes: Elevation View

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Description: Bridge No. 02899
Span No. _2_ Truss location_ L 19_

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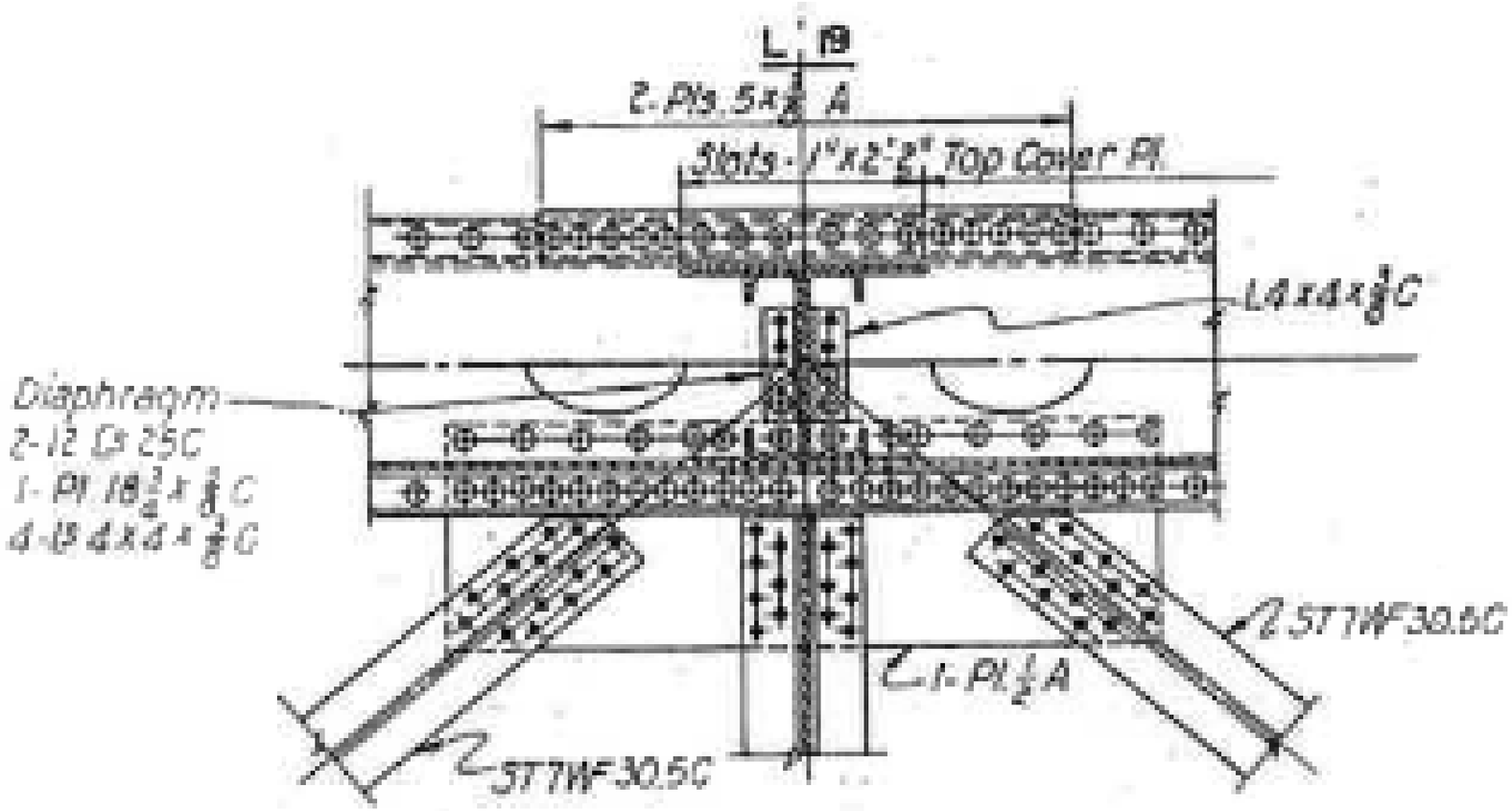
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number



EAST

L19-L20
8'x1'x1/4" section loss at mid panel bottom flange (4413)

Notes: Plan View

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Span No. 2 Truss location L 19

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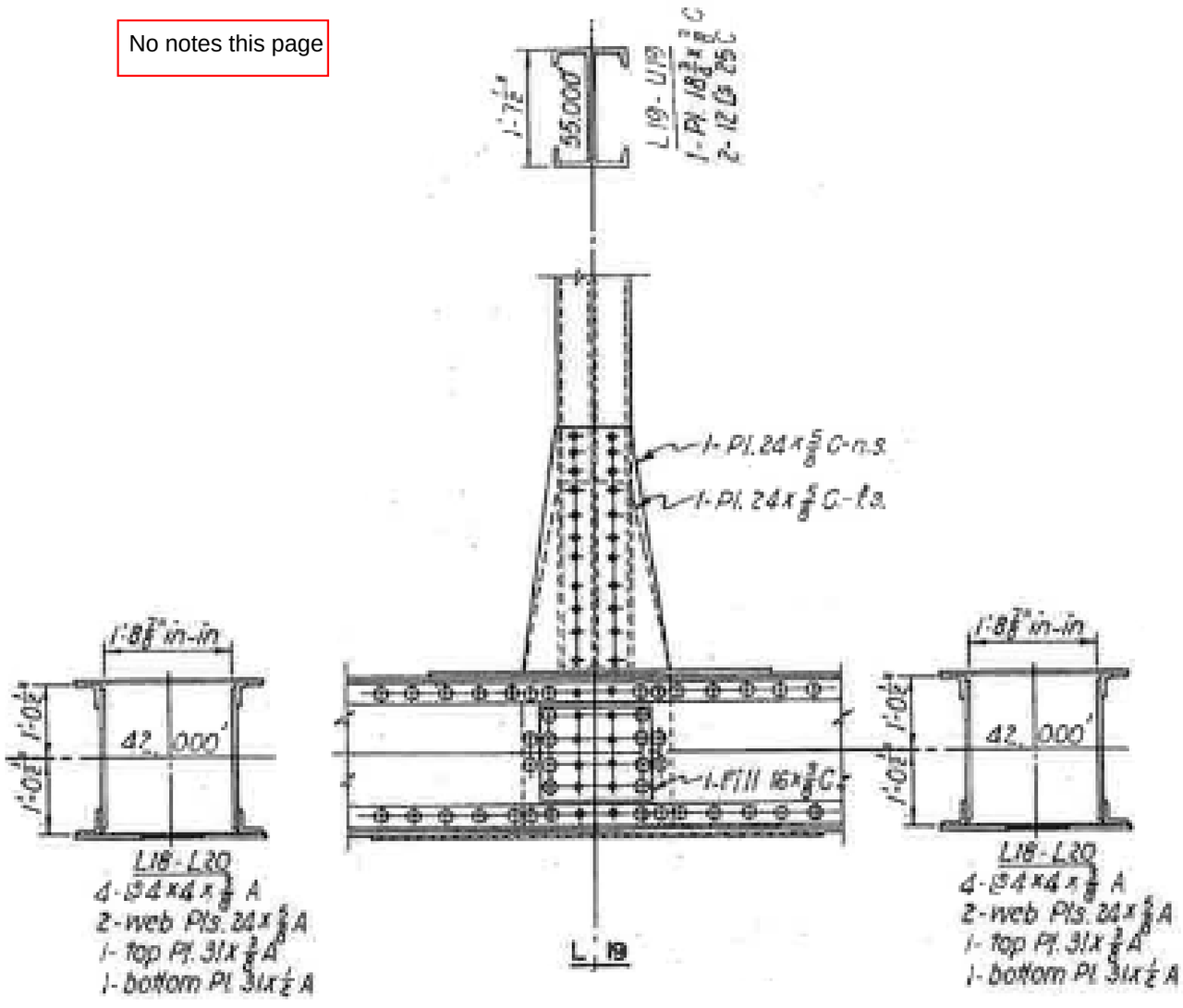
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number

No notes this page



Notes: Elevation View

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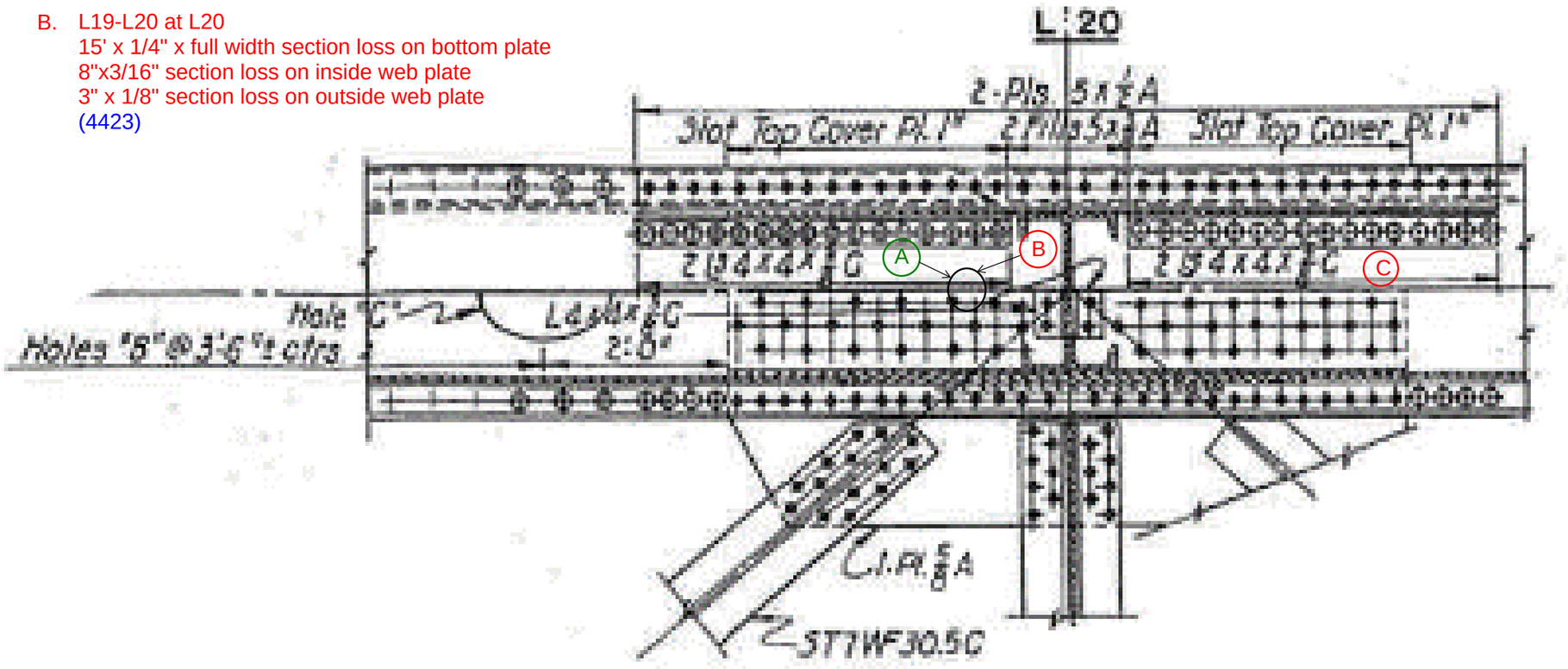
Span No. _2_ Truss location_ L 20_

Upstream (North)
Downstream (South)
Photo Number

A. L19-L20 at L20
6" x 10' x 3/16" section loss on inside web
4"x10'x1/8" section loss on outside web
(4414)

B. L19-L20 at L20
15' x 1/4" x full width section loss on bottom plate
8"x3/16" section loss on inside web plate
3" x 1/8" section loss on outside web plate
(4423)

C. L20-L21
10' from L20
10' long x 12" x 1/4" section loss on bottom flange
10' long x 3" x 1/8" section loss on inside plate
(4424)



Gouges in top plate of bottom chord L20-L21
(4425)

Notes: Plan View

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Span No. 2 Truss location L 20

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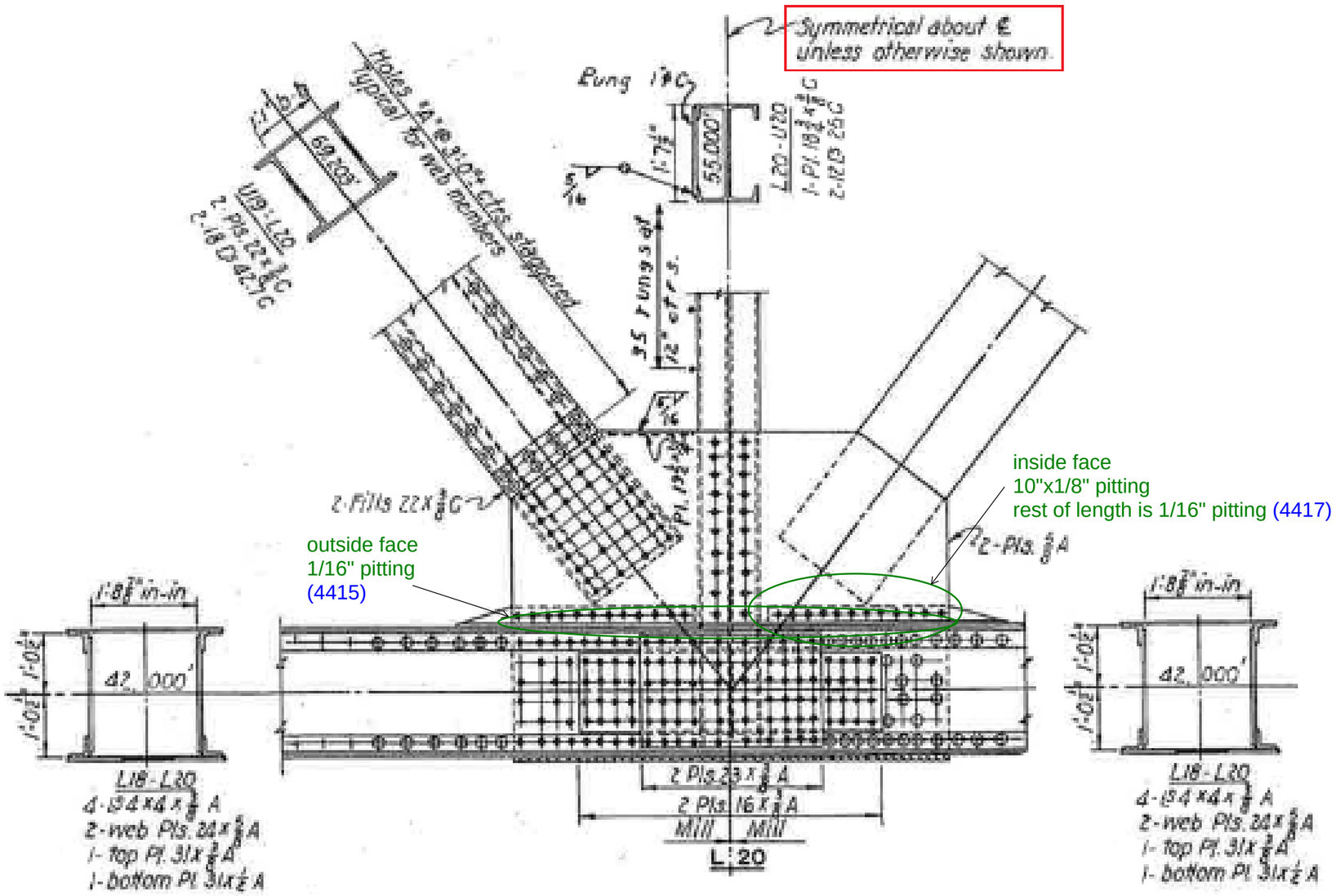
Upstream (North)
Downstream (South)
Photo Number



EAST

Elevation View

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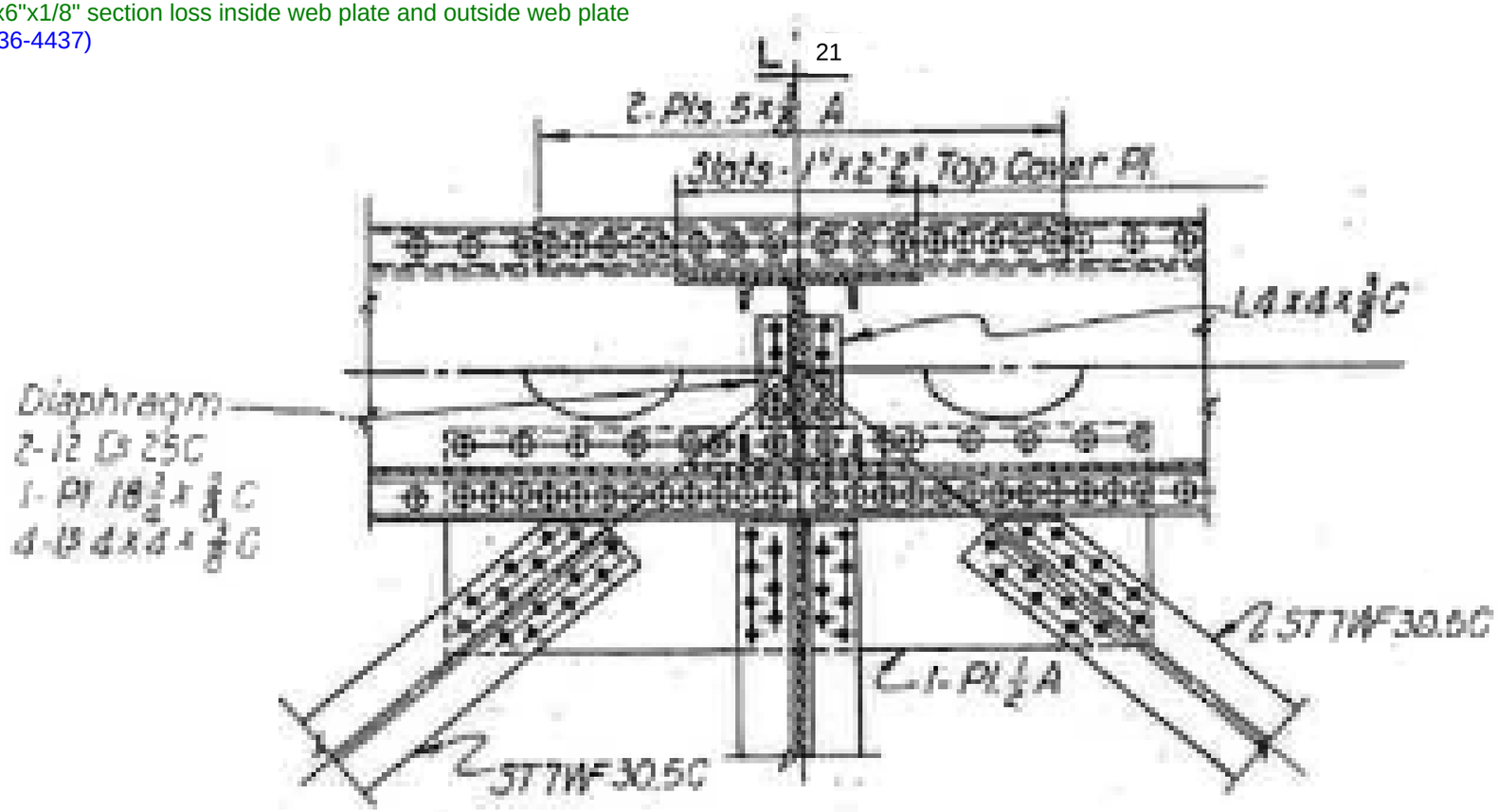
Span No. _2_ Truss location_ L21 _

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number

L21-L22
3' from L22
1/16" section loss across full width of bottom flange for 10'
10'x6"x1/8" section loss inside web plate and outside web plate
(4436-4437)



Notes: Plan View

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Span No. 2 Truss location L21

Upstream (North)
Downstream (South)
Photo Number

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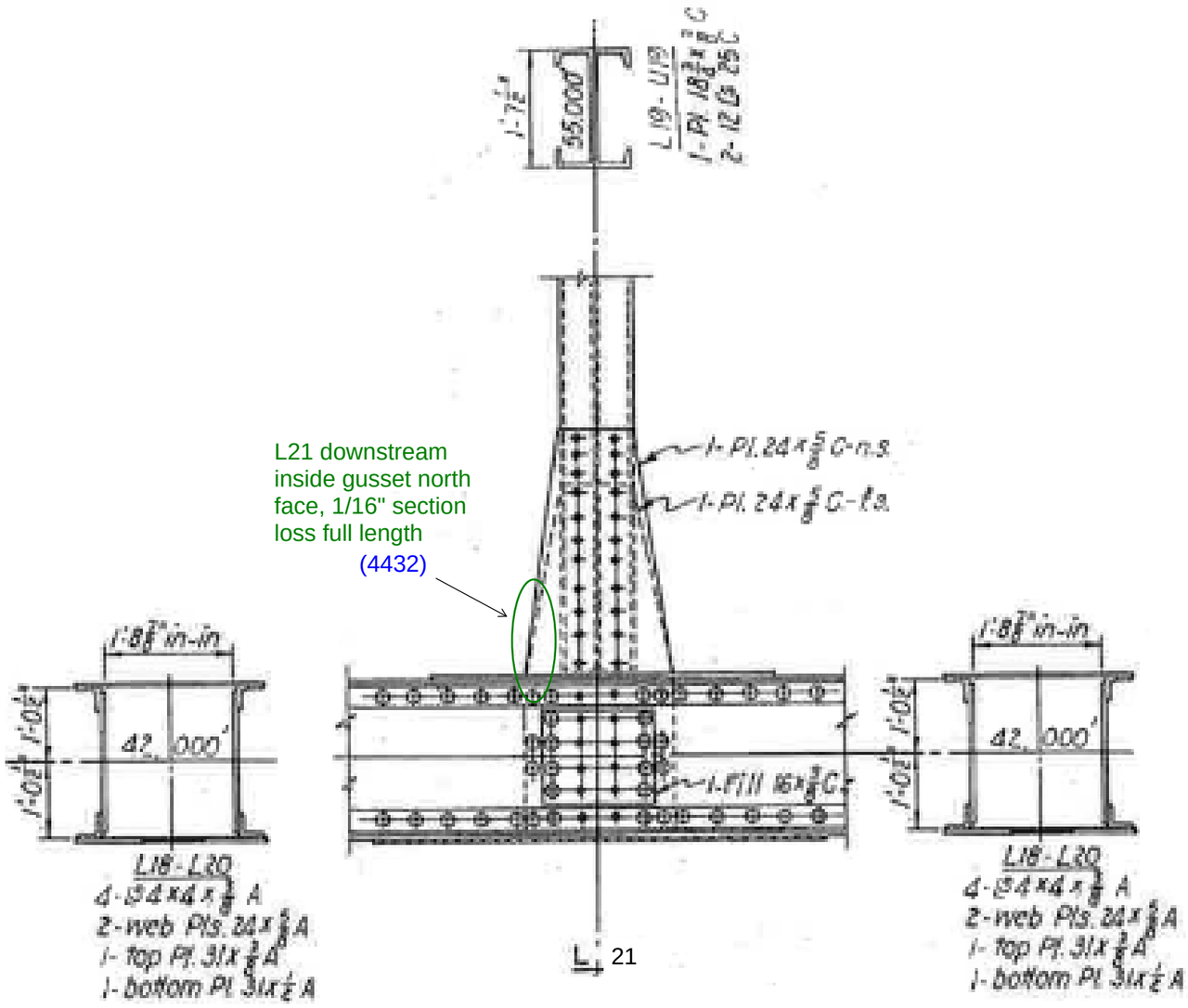
Symmetrical Points 21-24'!A1



Notes: Elevation View

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Description: Bridge No. 02899
Span No. 2 Truss location L22

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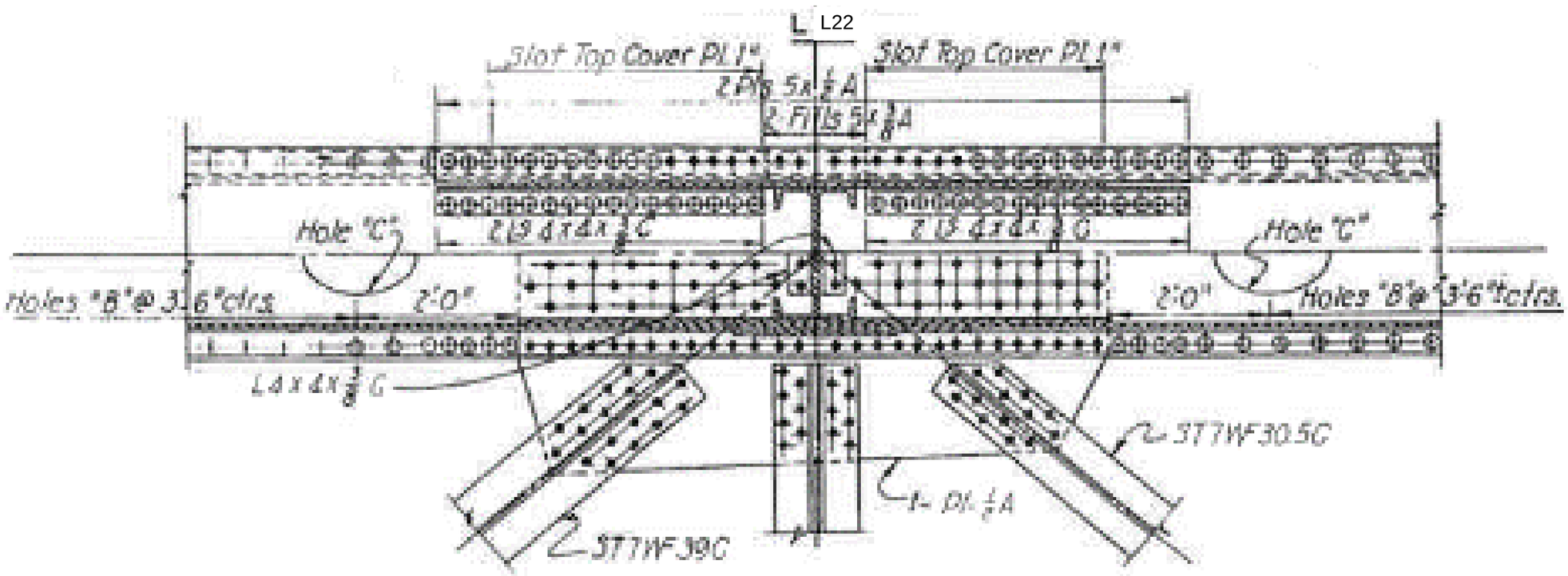
Symmetrical Points 21-24'!A1

Upstream (North)
Downstream (South)
Photo Number

No notes this page



Notes: Plan View

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Span No. 2 Truss location L22

Upstream (North)
Downstream (South)
Photo Number

L22-L23 at L22:
15'x8"x1/16" section loss bottom plate
10'x10"x1/16" section loss inside web plate
5'x6"x1/16" section loss outside web plate
(4455)

L21-L22 at L22:
15'x8"x1/16" section loss on bottom plate.
15'x2"x1/16" section loss on inside web plate (4454)

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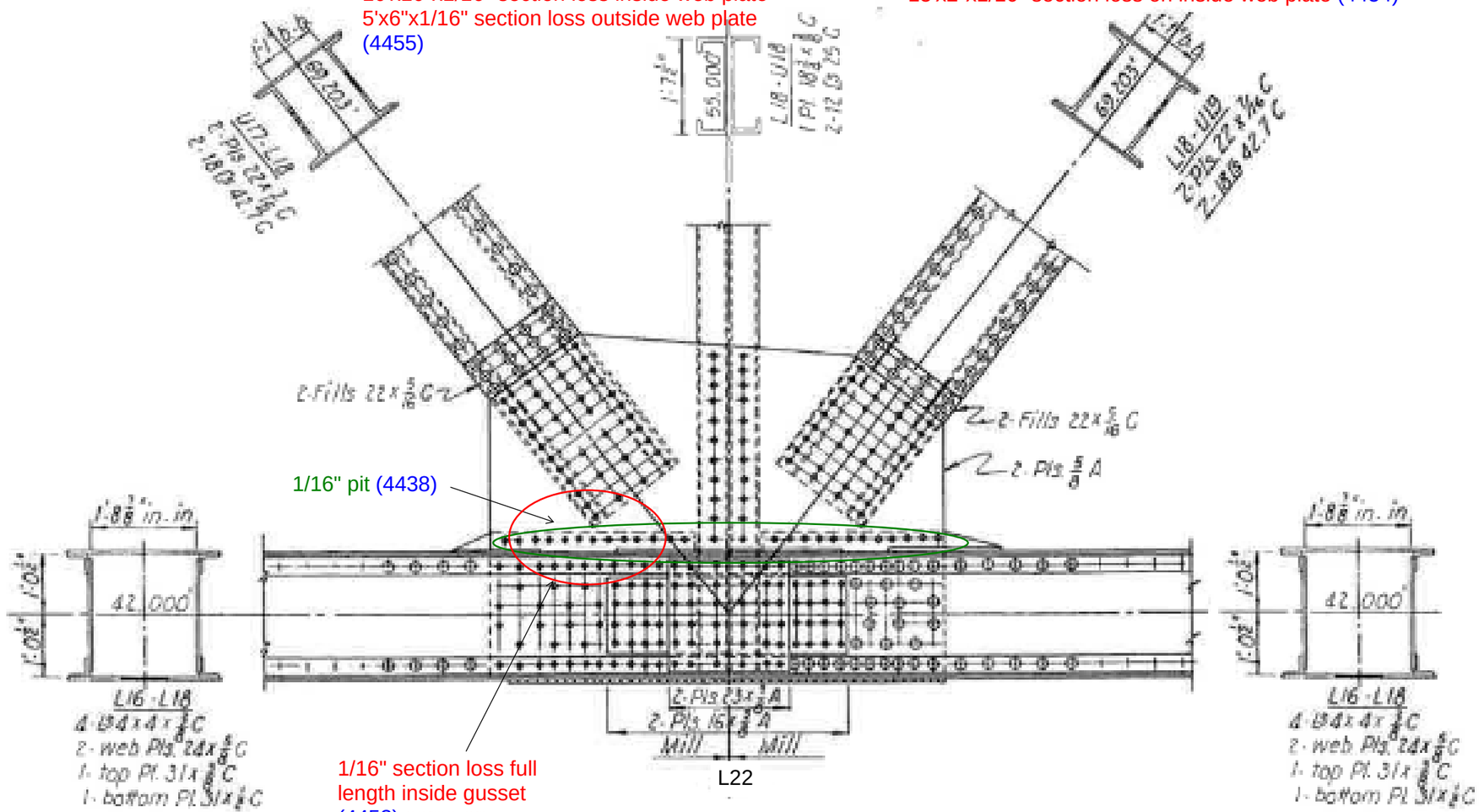
Symmetrical Points 21-24'!A1



Notes: Elevation View

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Description: Bridge No. 02899
Span No. 2 Truss location L23

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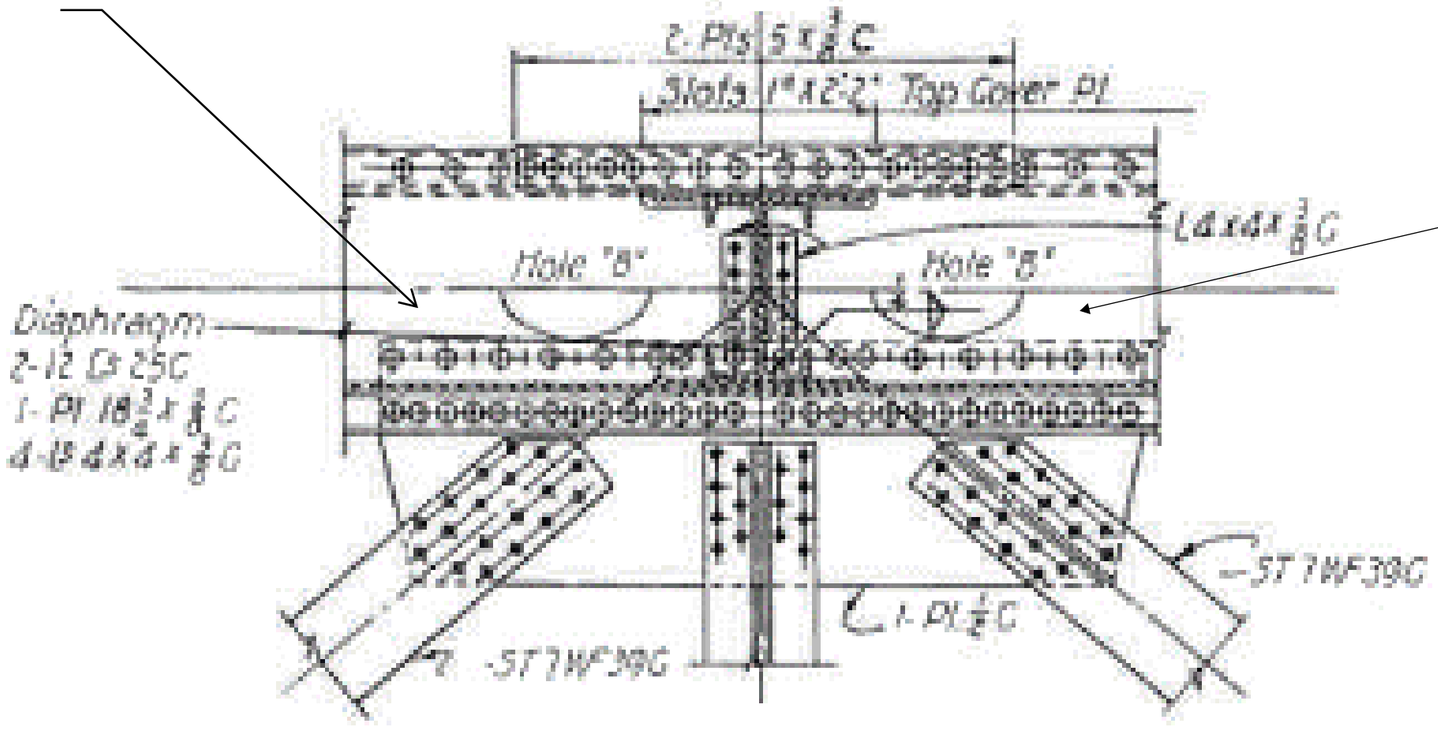
Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

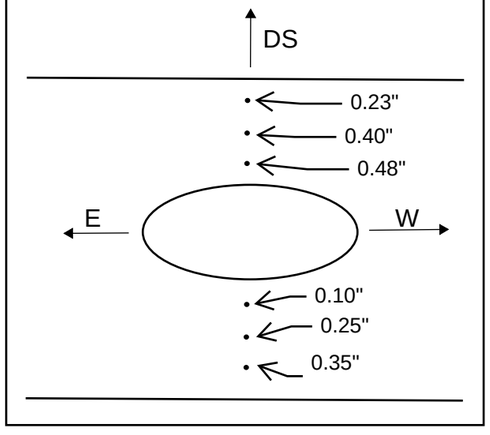
DOWN STREAM (DS)

L23-L24 DS 5' FROM L23
DETERIORATION 5'L x 15"W x 1/16"D
BOTTOM PLATE INSIDE
PHOTO: 4465

L23



L22-L23: DS BOTTOM PLATE
OUTSIDE 5' FROM L23, 10' LONG
PHOTO: 4466, 4467



WEST
EAST

Notes: Plan View

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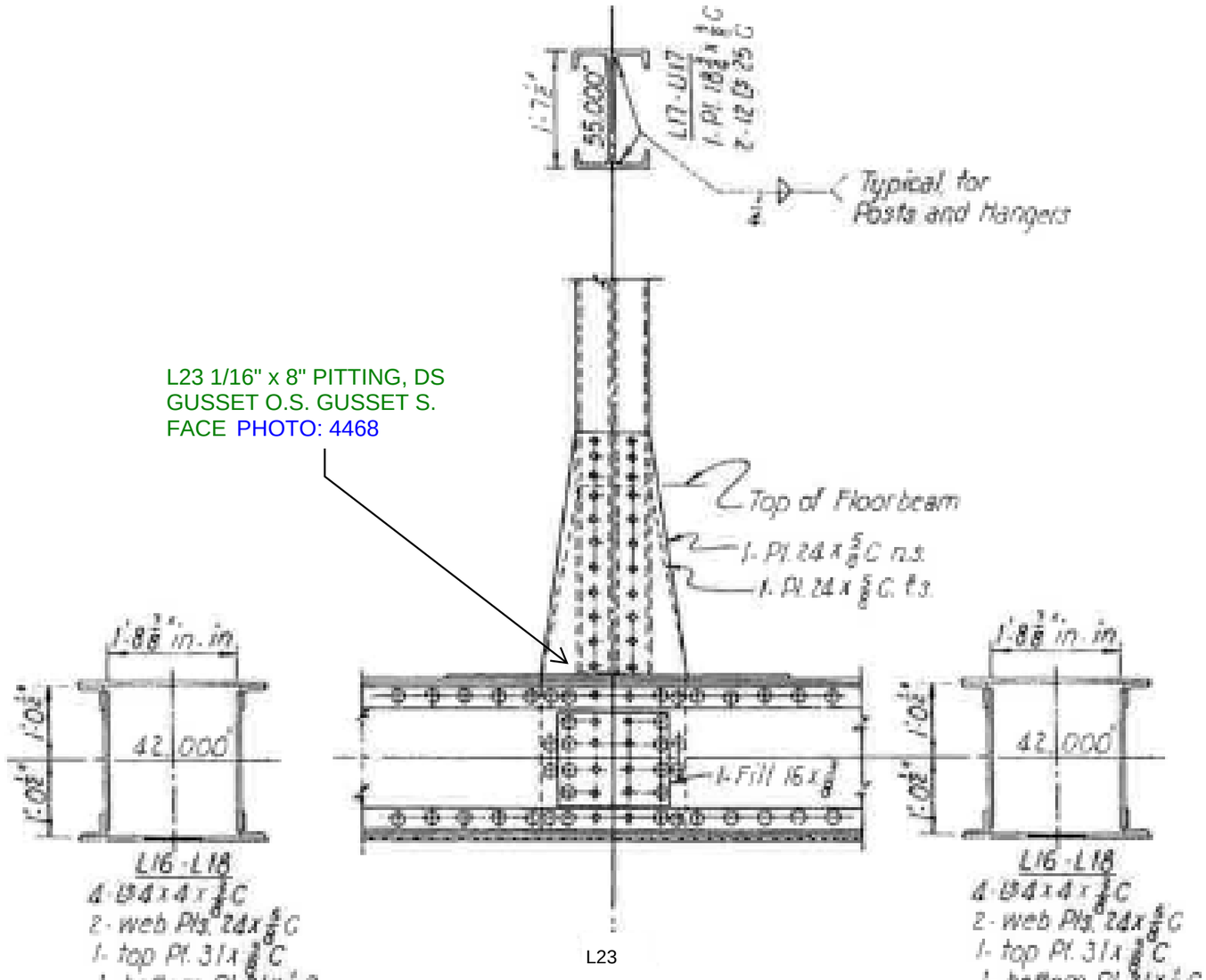
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: DFM / JV Date: 5-8-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 2 Truss location L23

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L23

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)



L23 1/16" x 8" PITTING, DS GUSSET O.S. GUSSET S. FACE PHOTO: 4468

WEST

EAST

Notes: Elevation View

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Sheet No. _____ of _____
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Span No. _2_ Truss location_L24

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

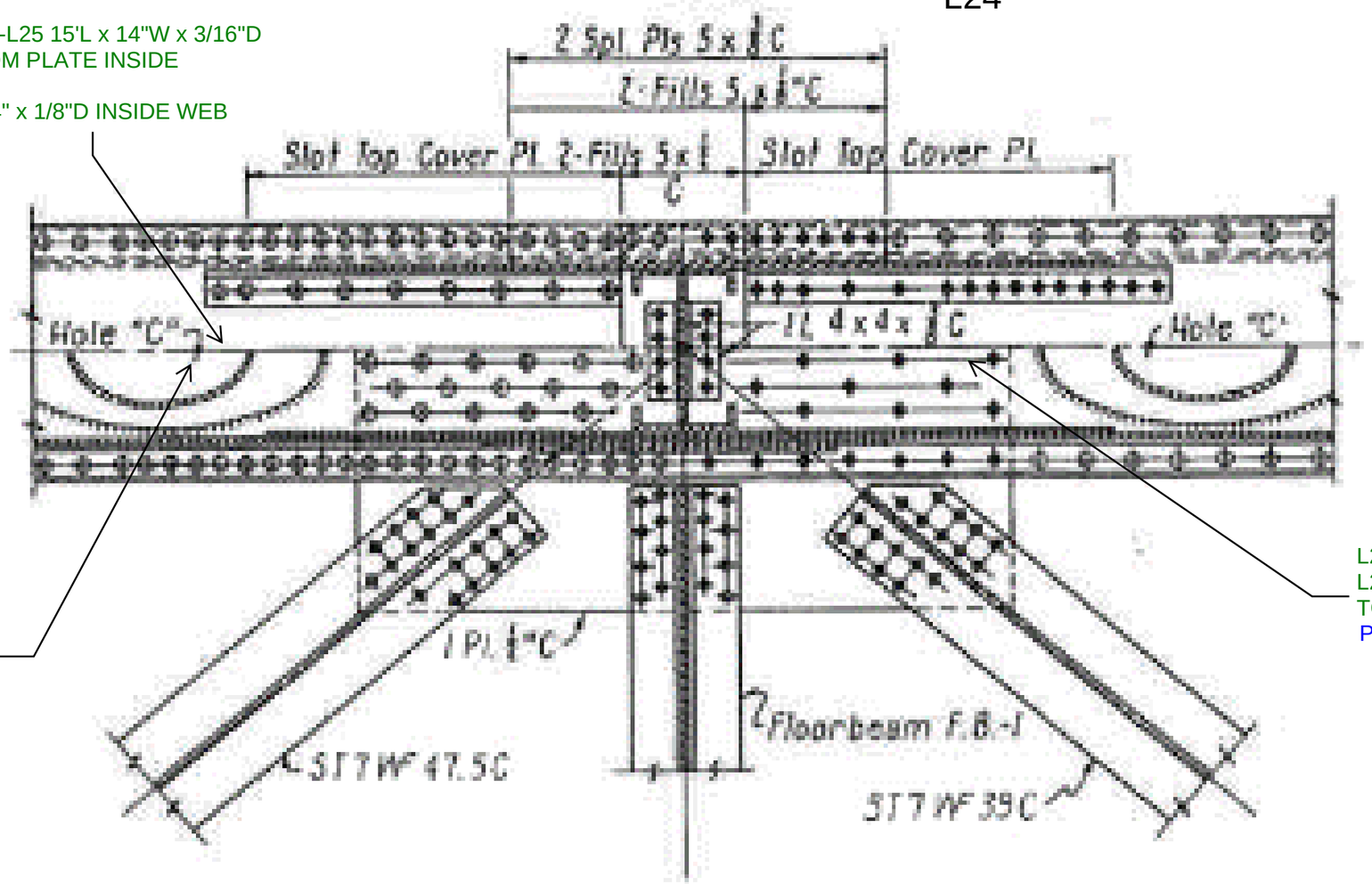
UP STREAM (US)

DOWN STREAM (DS)

L24

DS L24-L25 15'L x 14"W x 3/16"D
BOTTOM PLATE INSIDE

15'L x 4" x 1/8"D INSIDE WEB



L24-L25 US @L24
10'L x 10"W x 3/16" D
BOTTOM PLATE
PHOTO: 4481

L23-L24 DS 10' FROM
L24 LAMINATION ON
TOP PLATE
PHOTO: 4469

WEST →

EAST ←

Notes: Plan View

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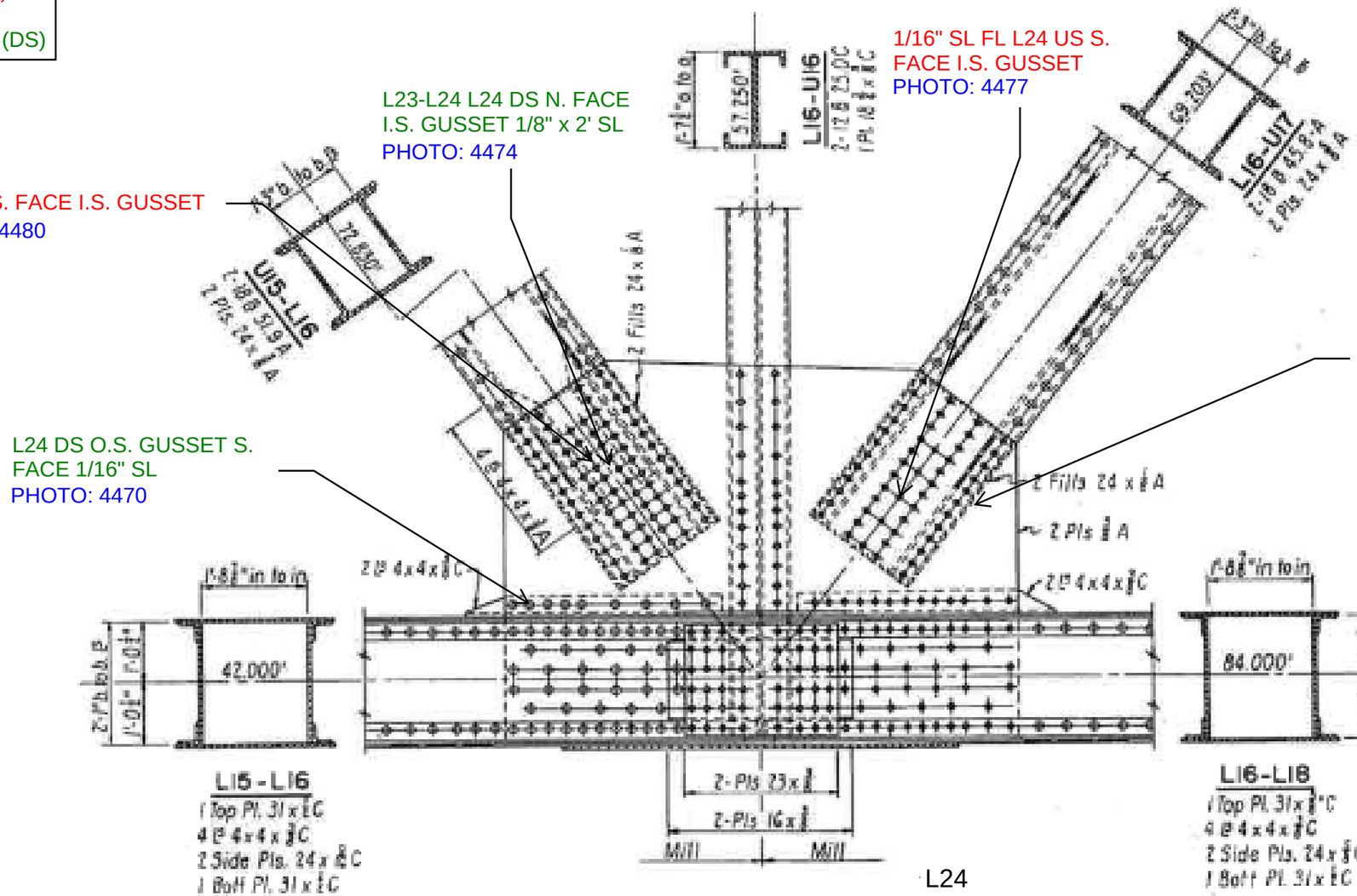
Span No. 2 Truss location L24

Back to Symmetric page 21-24
Symmetrical Points 21-24'!A1

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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Sheet No. _____ of _____
Made by: DFM / JV Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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Span No. _2_ Truss location_ L 25_

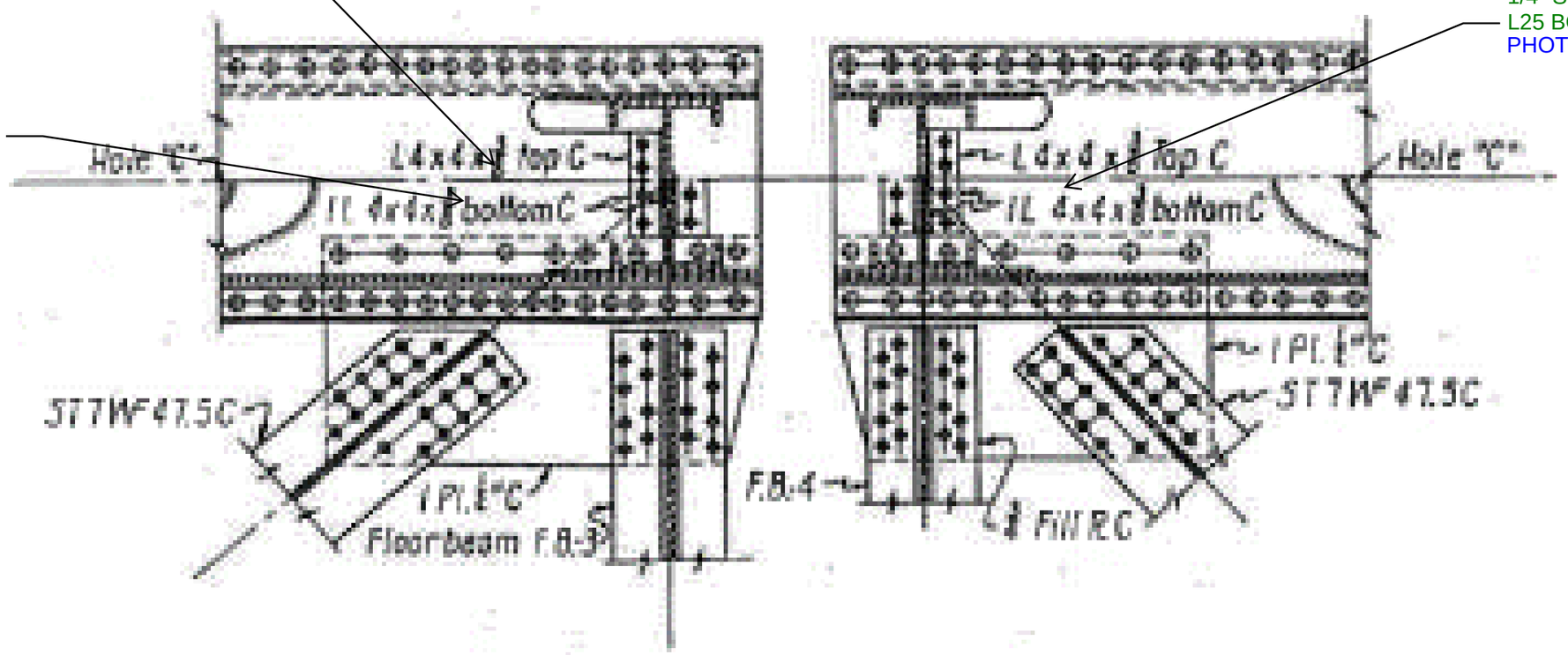
UP STREAM (US)

DOWN STREAM (DS)

L24-L25 SL SIMILAR
TO OTHER SIDE
PHOTO: 4489

1/4" SL DS END L25-L26 AT
L25 BOTTOM PL
PHOTO: 4489

BIRD MOTEL
L24-L25 US
DROPPINGS
OBSTRUCTING PLATE
PHOTO: 4495



WEST
←
EAST
→

Notes: Plan View

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Description: Bridge No. 02899
Span No. 2 Truss location L 25

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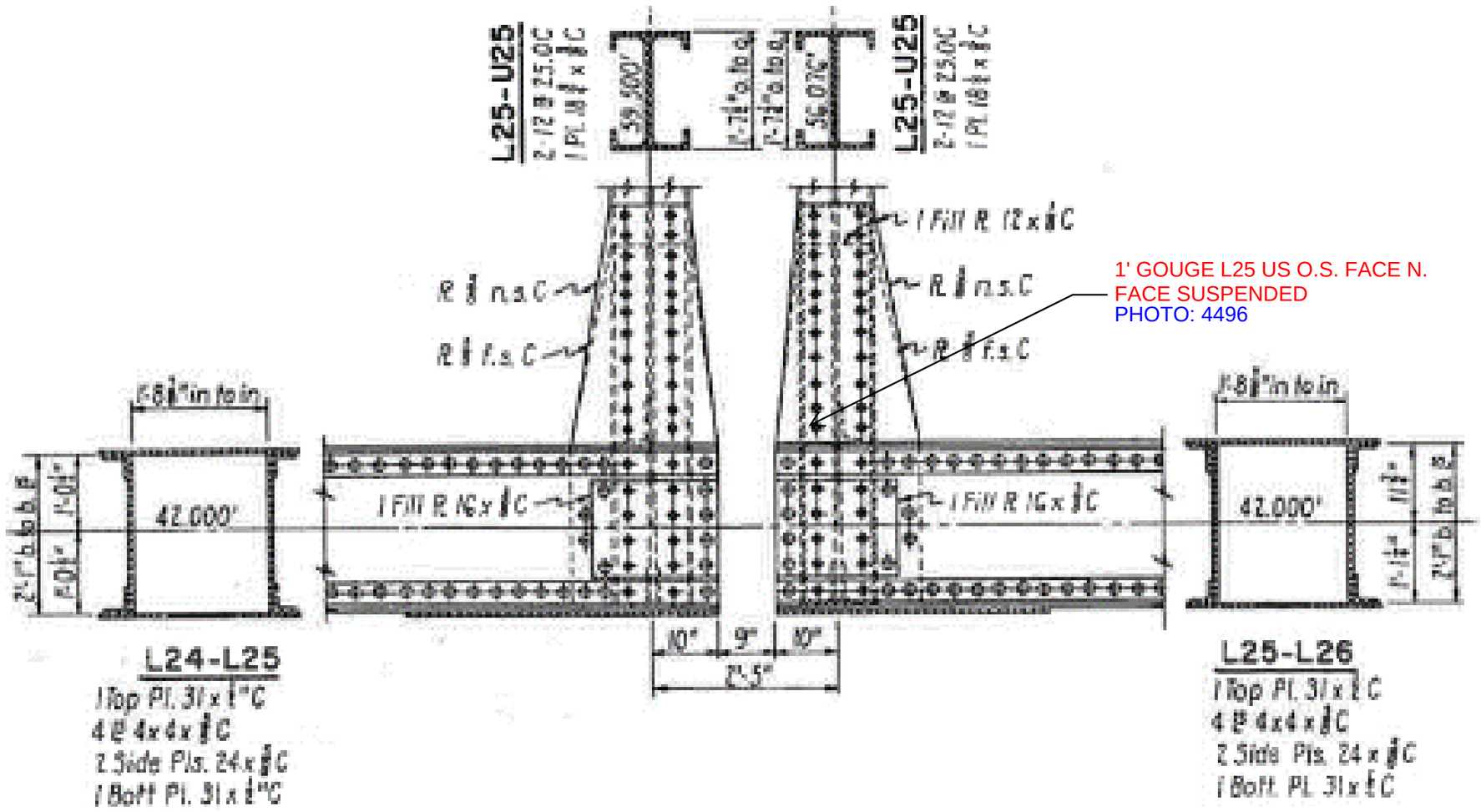
UP STREAM (US)

DOWN STREAM (DS)



WEST →

EAST ←

Notes: Elevation View

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Sheet No. _____ of _____
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Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location L26

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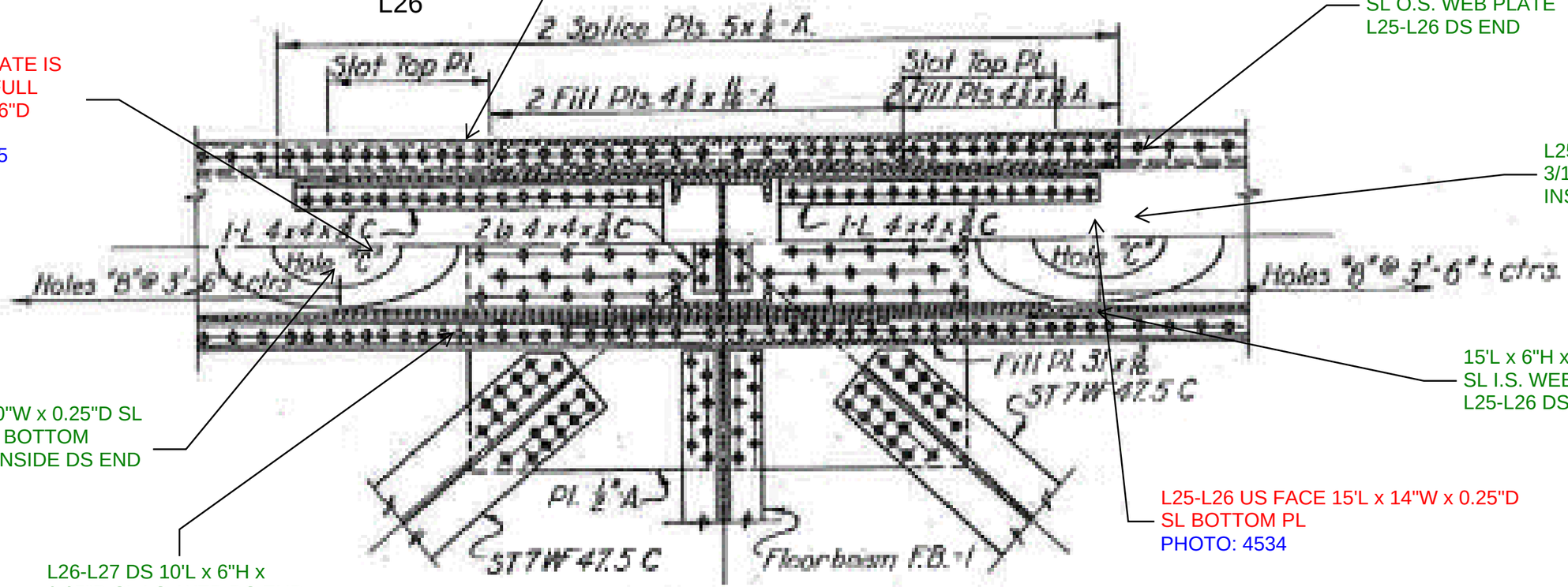
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)



15'L x 6"H x 0.25"D
SL I.S. WEB S. FACE

15'L x 2"H x 1/16"D
SL O.S. WEB PLATE
L25-L26 DS END

BOTTOM PLATE IS
END 15'L x FULL
WIDTH x 3/16"D
L26-L27
PHOTO: 4535

L25-L26 15'L x 10"W x
3/16"D SL BOTTOM PL
INSIDE PHOTO: 4521

15'L x 10"W x 0.25"D SL
L26-L27 BOTTOM
PLATE INSIDE DS END

15'L x 6"H x 5/16"D
SL I.S. WEB PLATE
L25-L26 DS END

L25-L26 US FACE 15'L x 14"W x 0.25"D
SL BOTTOM PL
PHOTO: 4534

L26-L27 DS 10'L x 6"H x
0.25"D SL I.S. WEB DS END
PHOTO: 4524

L26-L27 LATERAL
BAR 10' FROM L26
US SL 4'
PHOTO: 4529

WEST →

EAST ←

Notes: Plan View

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Sheet No. _____ of _____
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Description: Bridge No. 02899

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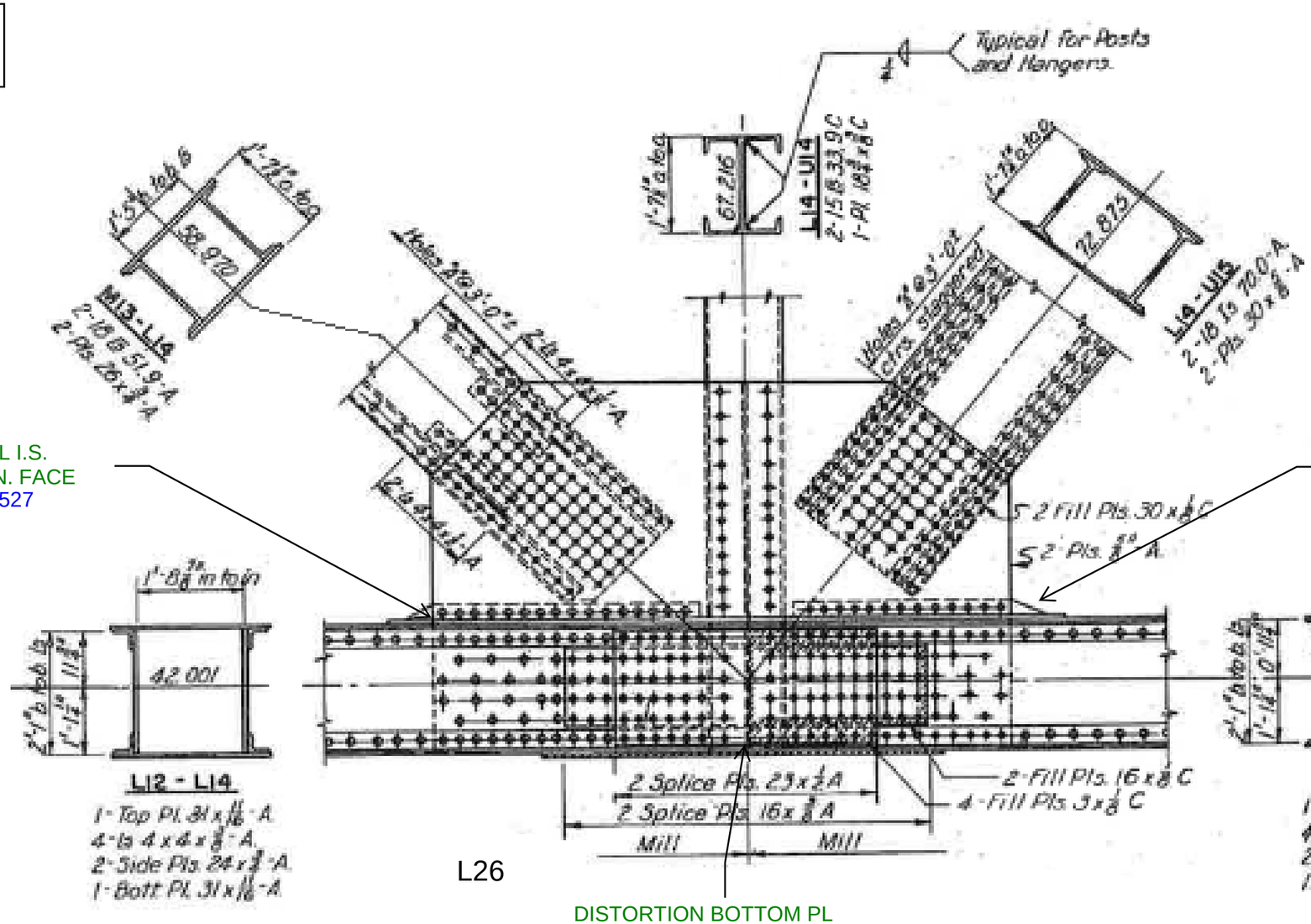
Span No. 2 Truss location L26

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)



L26

DISTORTION BOTTOM PL
PHOTO: 4523

WEST

EAST

Notes: Elevation View

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Description: Bridge No. 02899
Span No. 2 Truss location L27

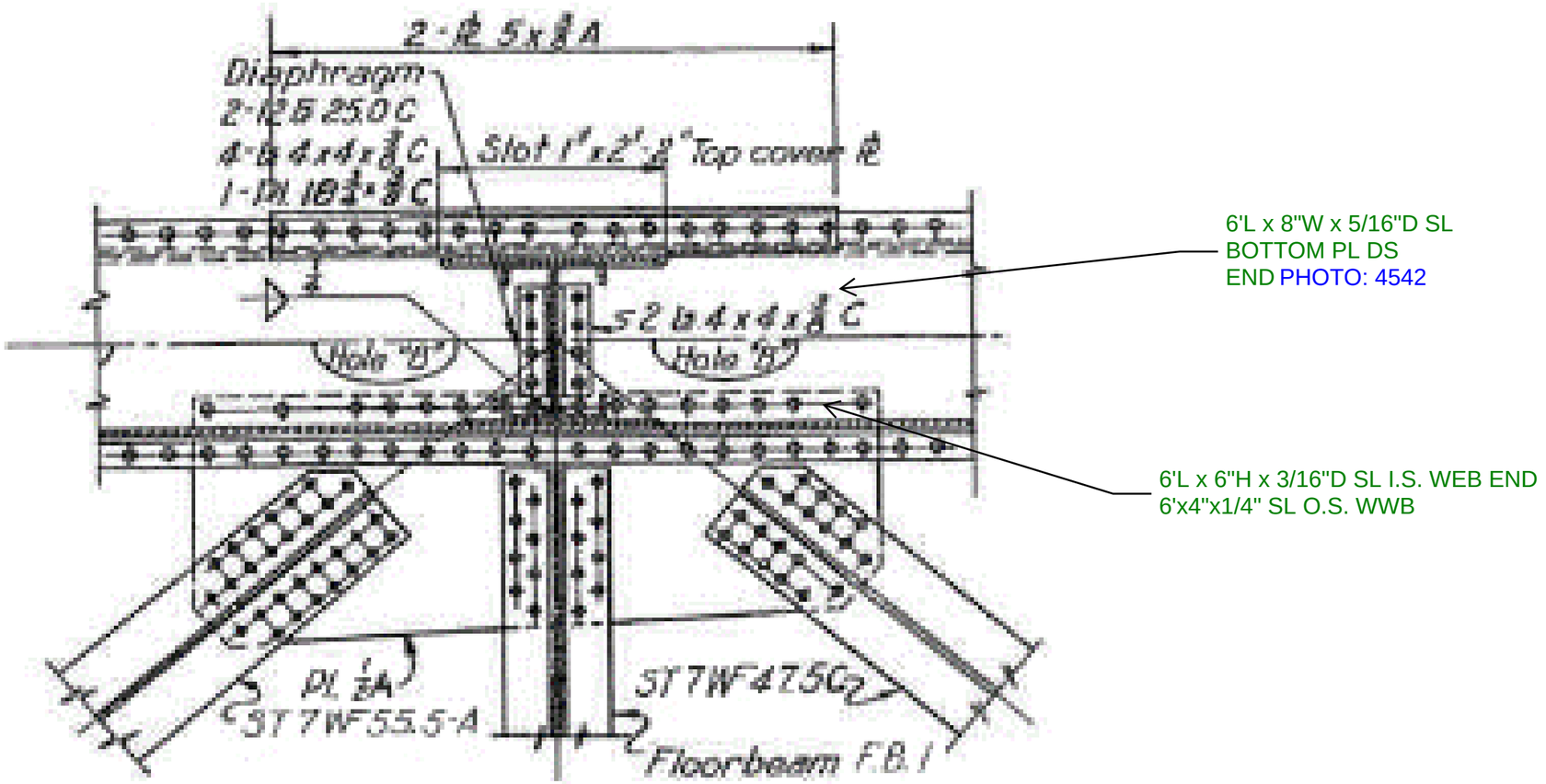
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L27

UP STREAM (US)

DOWN STREAM (DS)

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

L27



6'L x 8"W x 5/16"D SL
BOTTOM PL DS
END PHOTO: 4542

6'L x 6"H x 3/16"D SL I.S. WEB END
6'x4"x1/4" SL O.S. WWB

WEST
EAST

Notes: Plan View

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Sheet No. _____ of _____
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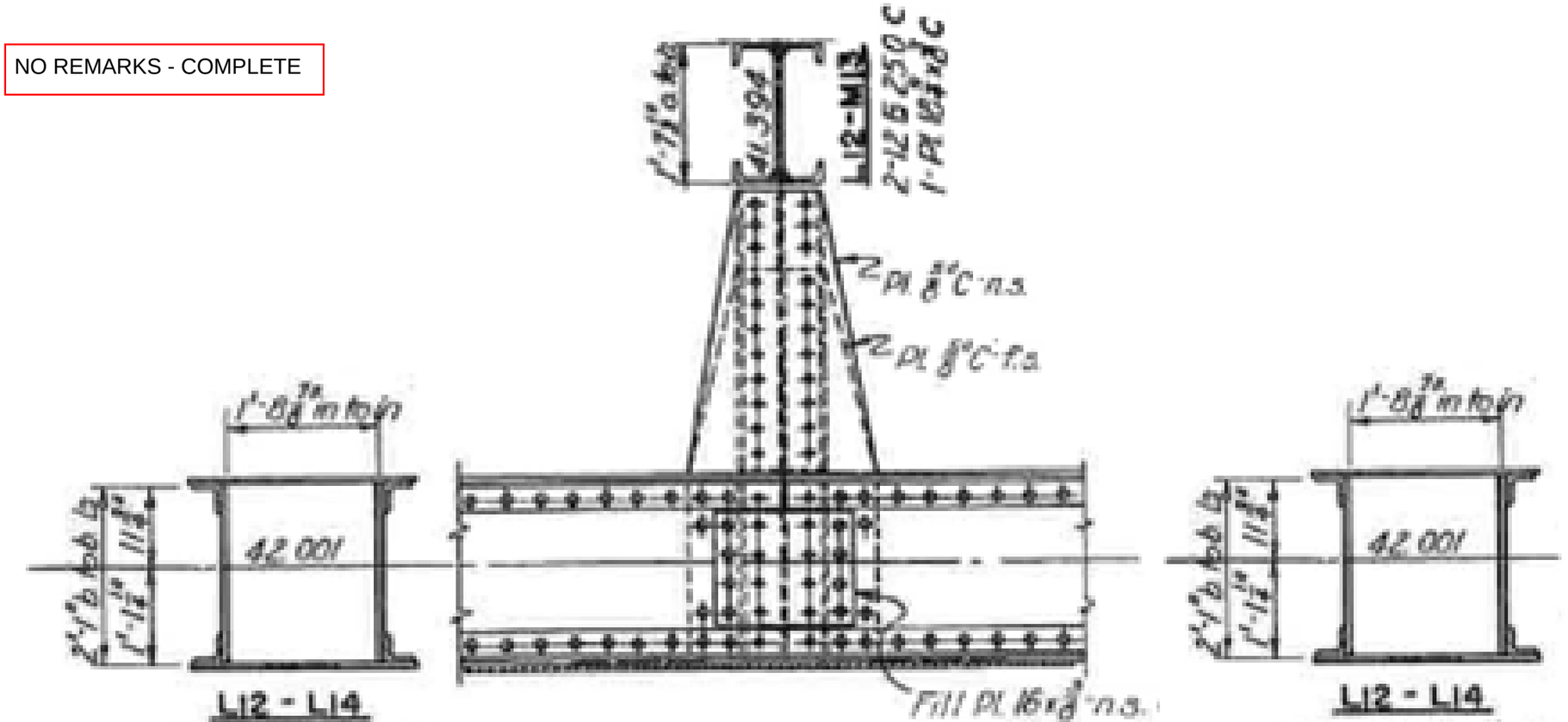
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location L27

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L27

Back to L 61
Elevation View L61'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

NO REMARKS - COMPLETE



L27

Notes: Elevation View

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Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location L28

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L28

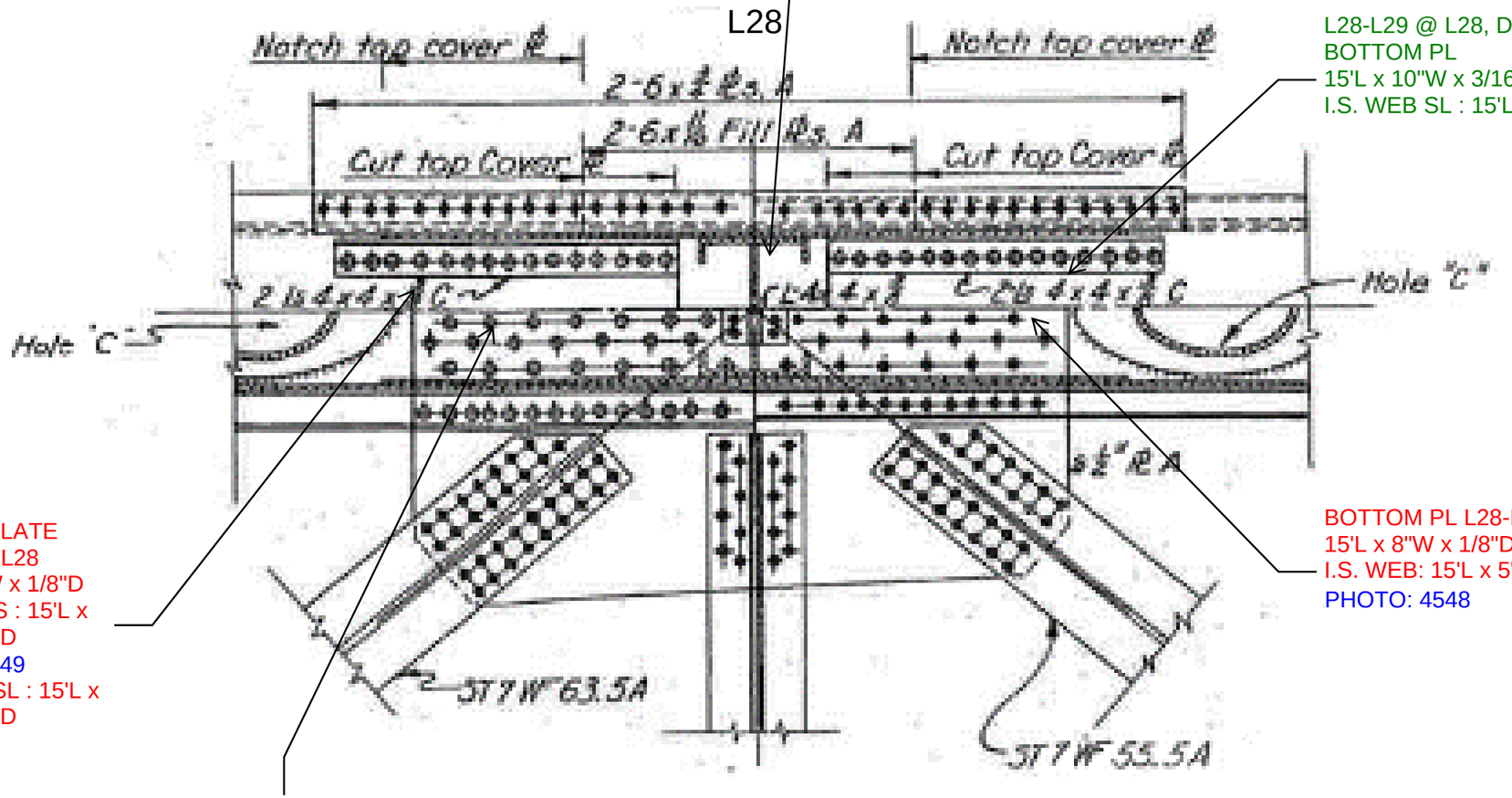
Back to L 62
Plan View L62'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

L28-L29 DS SIDE I.S. WEB 4
RIVET HEADS WITH 80% SL
PHOTO: 4567

L28



L28-L29 @ L28, DS SIDE
BOTTOM PL
15'L x 10"W x 3/16"D
I.S. WEB SL : 15'L x 6"W x 3/16"D

BOTTOM PLATE
L27-L28 @ L28
15'L x 12"W x 1/8"D
I.S. WEB LS : 15'L x 8"W x 3/16"D
PHOTO: 4549
O.S. WEB SL : 15'L x 6"W x 3/16"D

BOTTOM PL L28-L27 @ L27
15'L x 8"W x 1/8"D SL
I.S. WEB: 15'L x 5"W x 3/16"D
PHOTO: 4548

L27-L28 @ L28 BOTTOM PL 20'L
x FULL WIDTH x 3/16"D SL
I.S. WEB: 15'L x 6"H x 3/16" SL
O.S. WEB: 15'L x 8"H x 3/16" SL

WEST
EAST

Notes: Plan View

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Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 2 Truss location. L28

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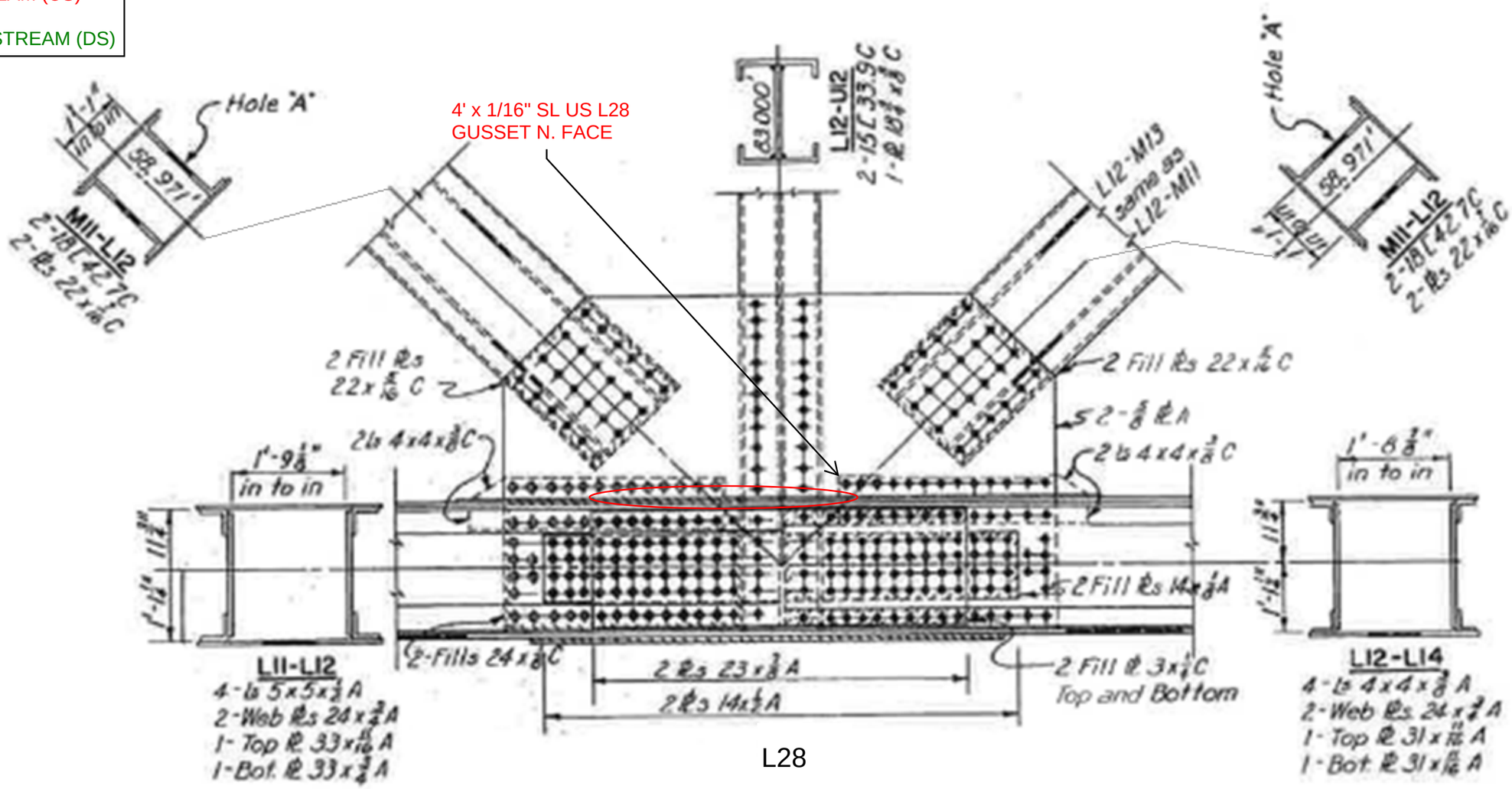
UP STREAM (US)

DOWN STREAM (DS)

Back to L 62
Elevation View L62'!A1
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1



L28

WEST
EAST

Notes: Elevation View

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Description: Bridge No. 02899
Span No. _2_ Truss location_ L29

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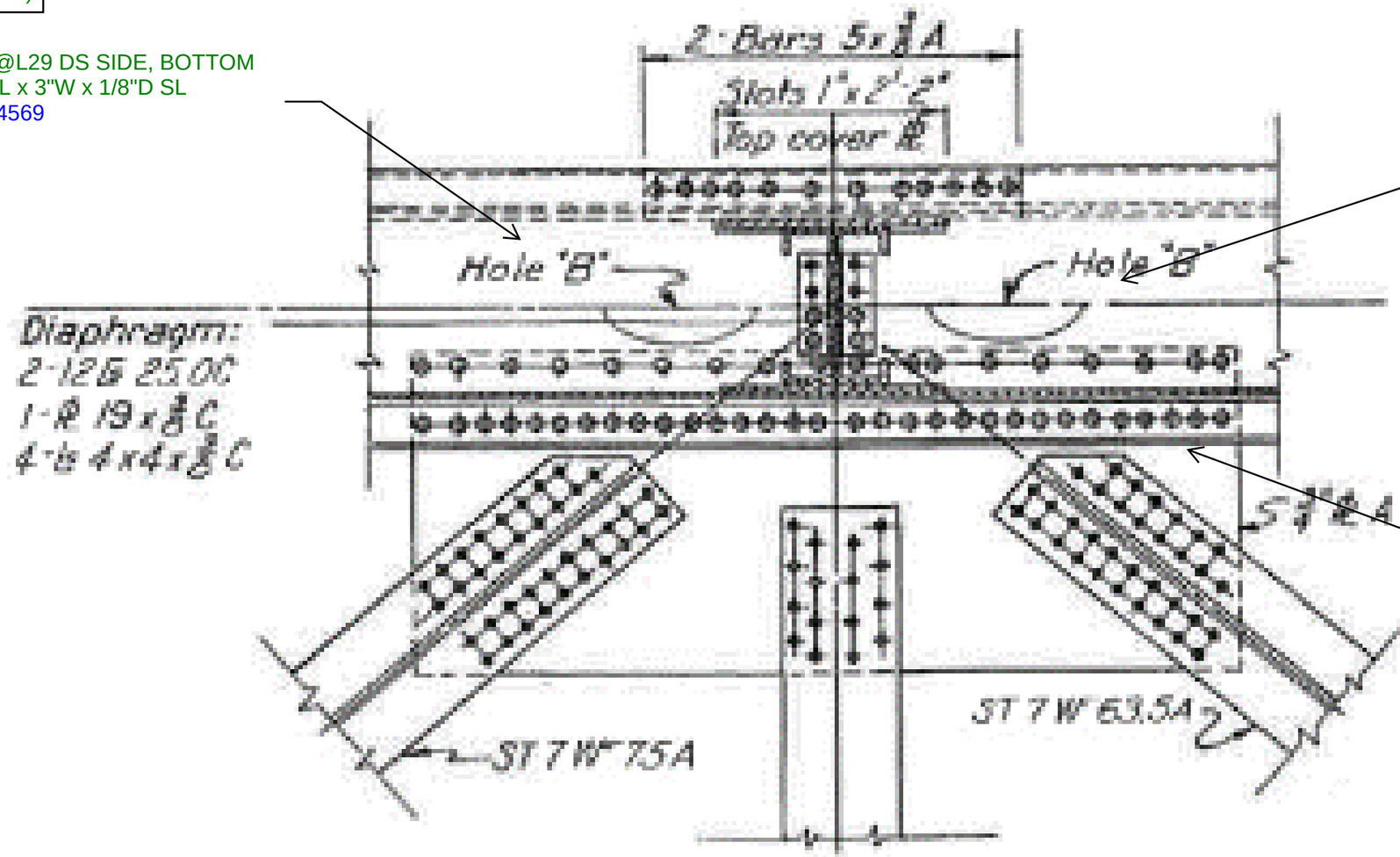
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

L28-L29 @L29 DS SIDE, BOTTOM PLATE 7'L x 3"W x 1/8"D SL
PHOTO: 4569

L29-L30 @L29 US SIDE
4'L x FULL WIDTH x 0.25"D SL BOTTOM PLATE
4'L x 3"H x 3/16"D SL I.S. WEB PHOTO: 4577



L29-L30 BOTTOM OF WEB RUST/DISTORTION
PHOTO: 4578

WEST ←
EAST →

Notes: Plan View

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Description: Bridge No. 02899
Span No. 2 Truss location L29

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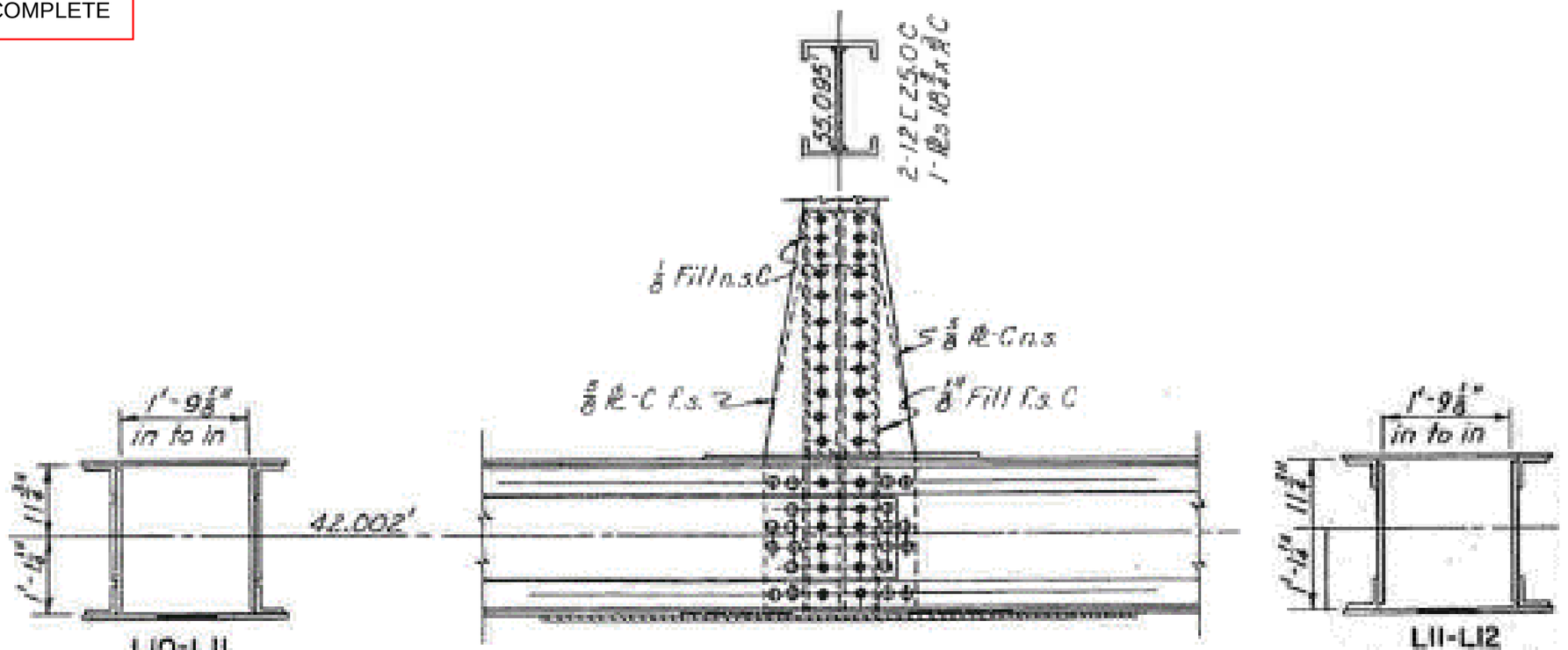
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



L29

Notes: Elevation View

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Description: Bridge No. 02899
Span No. _1_ Truss location_ L30

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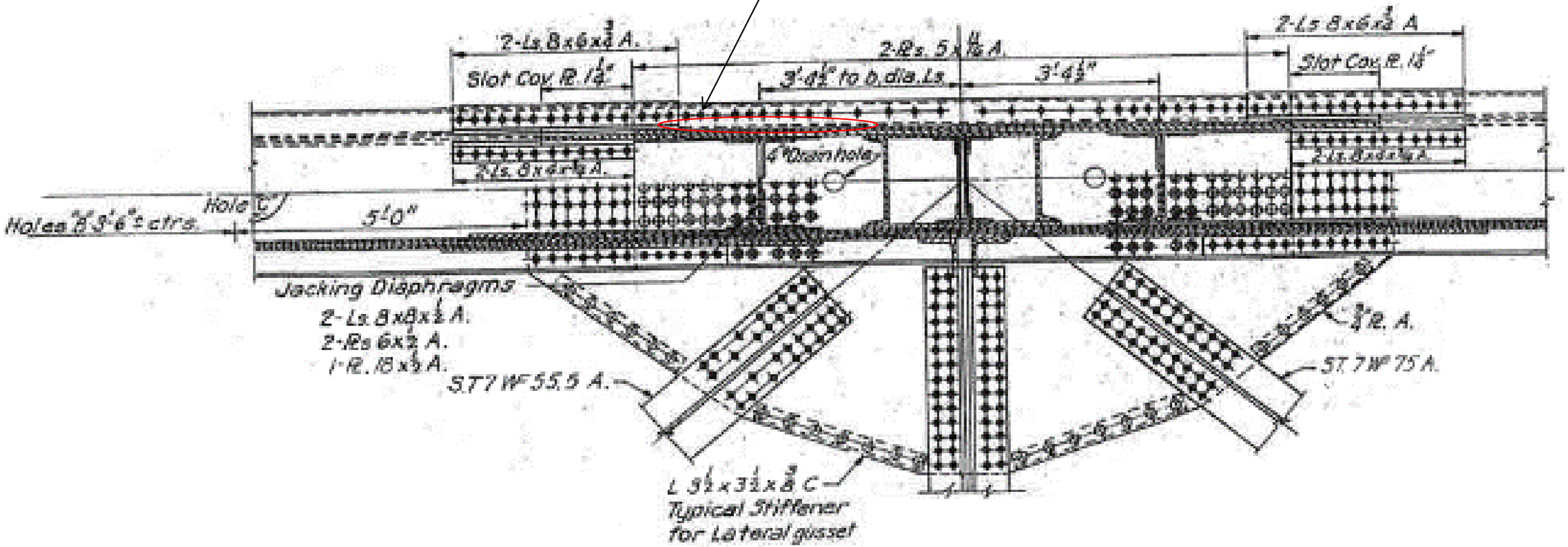
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

L29-L30 @L30 DS, I.S. WEB N.
FACE PACK RUST/
DISTORTION



WEST ←
EAST →

Notes: Plan View

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Description: Bridge No. 02899
Span No. _1_ Truss location_ L30

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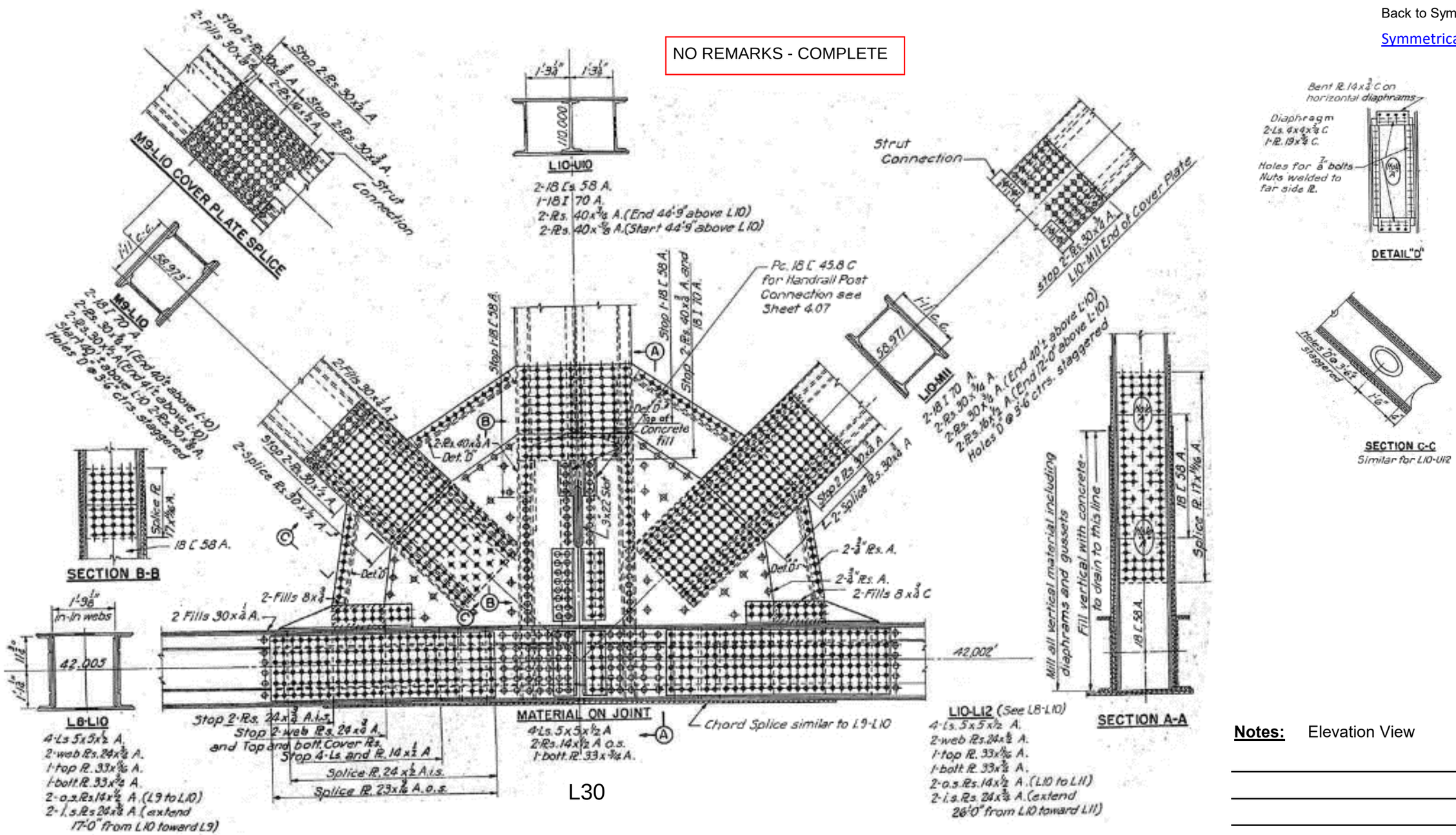
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

NO REMARKS - COMPLETE



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-10-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location_ L31

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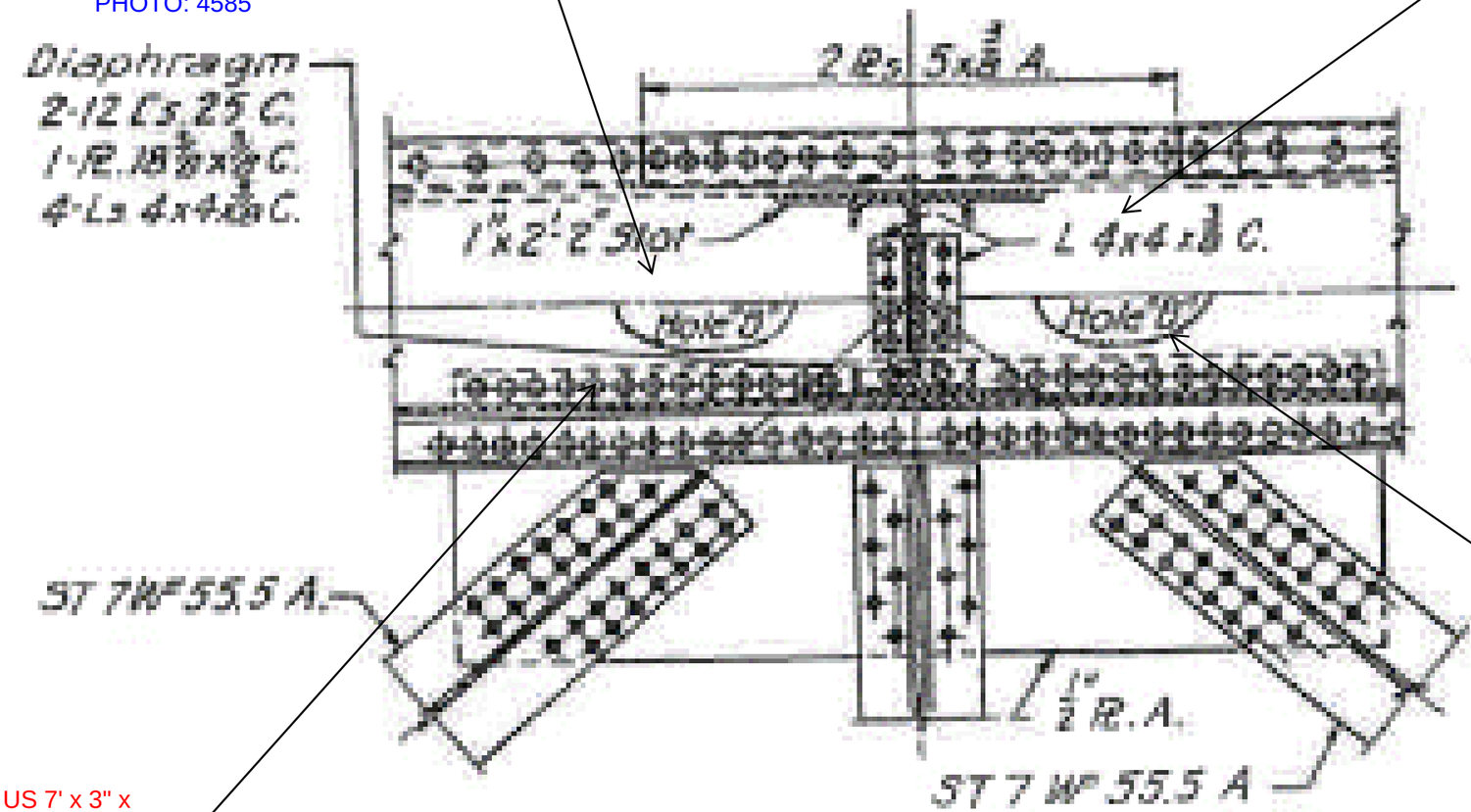
Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1

UP STREAM (US)

DOWN STREAM (DS)

L30-L31, DS SIDE BOTTOM PLATE
10'L x 11"W x 3/16"D
I.S. WEB: 10'L x 4"W x 3/16"D
TOP PLATE: 10'L x 3"W x 3/16"D
PHOTO: 4585

L31-L32 @ L31 DS I.S.
WEB 8'L x 8"H x 0.25"D SL
PHOTO: 4584



L31-L32 US 10'L x 8"W x 0.25"D SL T PLATE
10'L x 6" x 1/8"D I.S. WEB
10'L x 2" x 1/16"D SL BOTTOM PLATE
PHOTO: 4582

L31-L30 US 7' x 3" x 3/16"D BOTTOM PLATE I.S. WEB
PHOTO: 4583

WEST
EAST

Notes: Plan View

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Sheet No. _____ of _____
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Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _1_ Truss location_ L31

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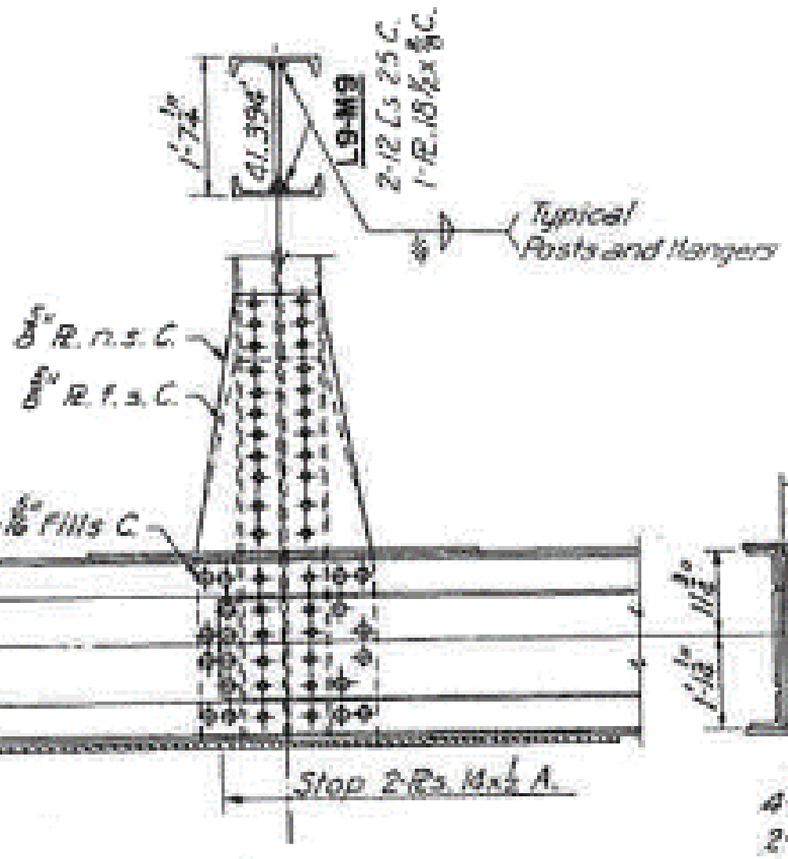
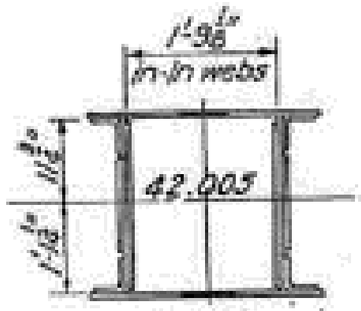
UP STREAM (US)

DOWN STREAM (DS)

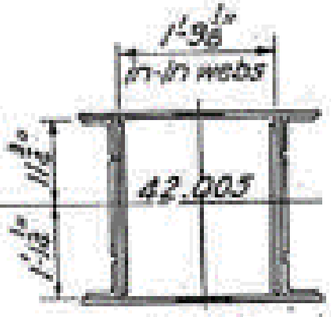
NO REMARKS - COMPLETE

Back to Symmetric page 21-24
Symmetrical Points 26-31'!A1





L8-L10
4-Ls 5x3x½ A.
2-web Rs. 24x⅜ A.
1-top R. 33x⅝ A.
1-bott R. 33x⅝ A.
2-o.s. Rs 14x⅜ A. (L9 to L10)
2-i.s. Rs 26x⅜ A. (extend 17'-0" from L10 toward L9)



L8-L10
4-Ls 5x3x½ A.
2-web Rs. 24x⅜ A.
1-top R. 33x⅝ A.
1-bott R. 33x⅝ A.
2-o.s. Rs 14x⅜ A. (L9 to L10)
2-i.s. Rs 26x⅜ A. (extend 17'-0" from L10 toward L9)

L31

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 32

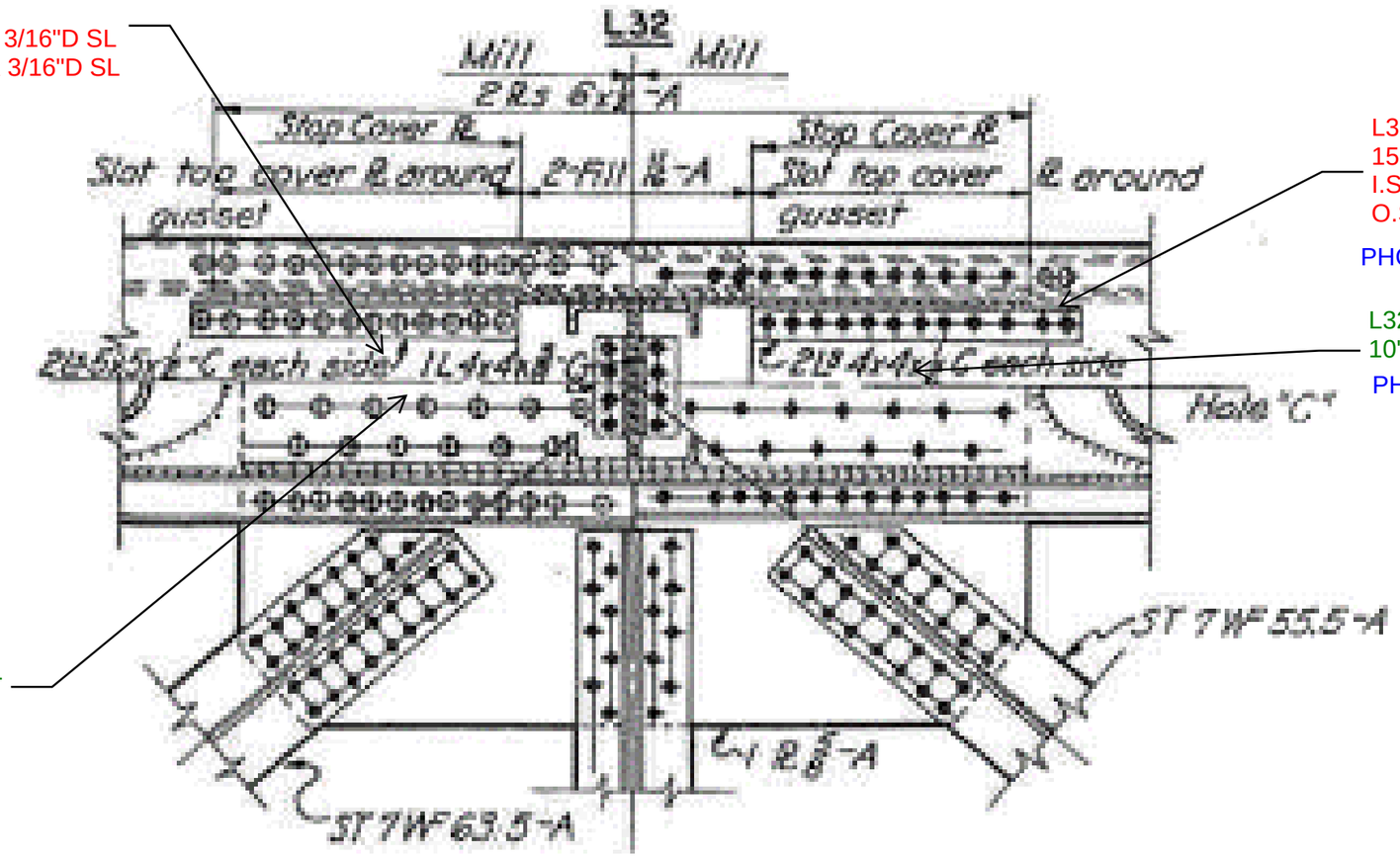
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L32

UP STREAM (US)

DOWN STREAM (DS)

BOTTOM PLATE: 10'L x 15"W x 3/16"D SL
I.S. WEB" 10'L x 8"H x 3/16"D SL
O.S. WEB 10'L x 3"H x 3/16"D SL

PHOTO: 4595



L32-L33 US SIDE BOTTOM PL:
15'L x 9"W x 3/16"D SL
I.S. WEB: 15'L x 8"W x 5/16"D SL
O.S. WEB: 10'L x 8"W x 0.25"D SL

PHOTO: 4600

L32-L33 DS SIDE BOTTOM PL
10'L x 10"W x 0.25"D SL

PHOTO: 4619

DS SIDE
BOTTOM: 20'L x FULL WIDTH x 0.25"D SL
I.S. WEB:10'L x 8"H x 3/16"D SL
O.S. WEB: 10'L x 3"H x 1/8"D SL

PHOTO: 4620

WEST
←
EAST
→

Notes: Plan View

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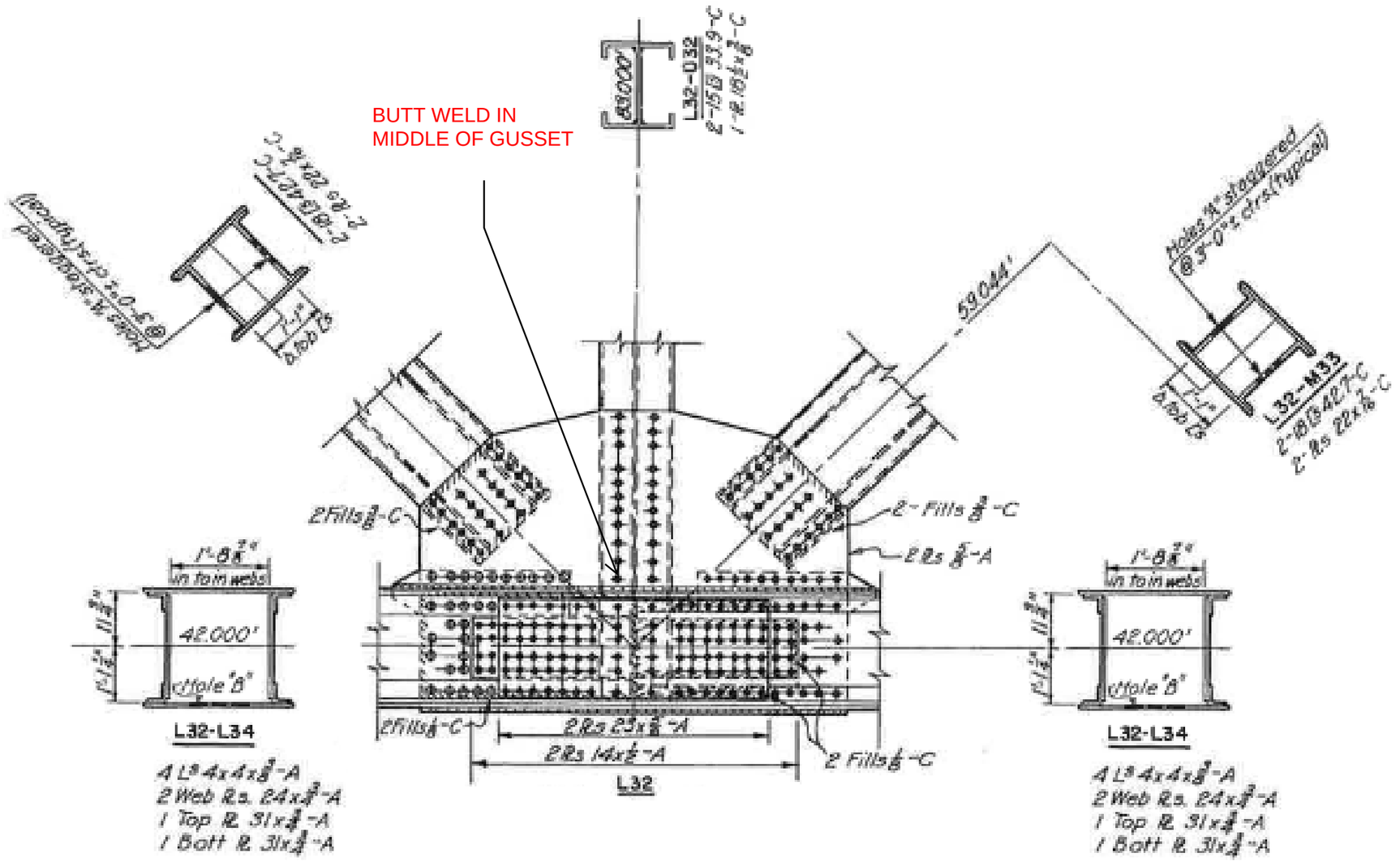
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L32

Span No. 3 Truss location L 32

UP STREAM (US)

DOWN STREAM (DS)



WEST ←

EAST →

Notes: Elevation View

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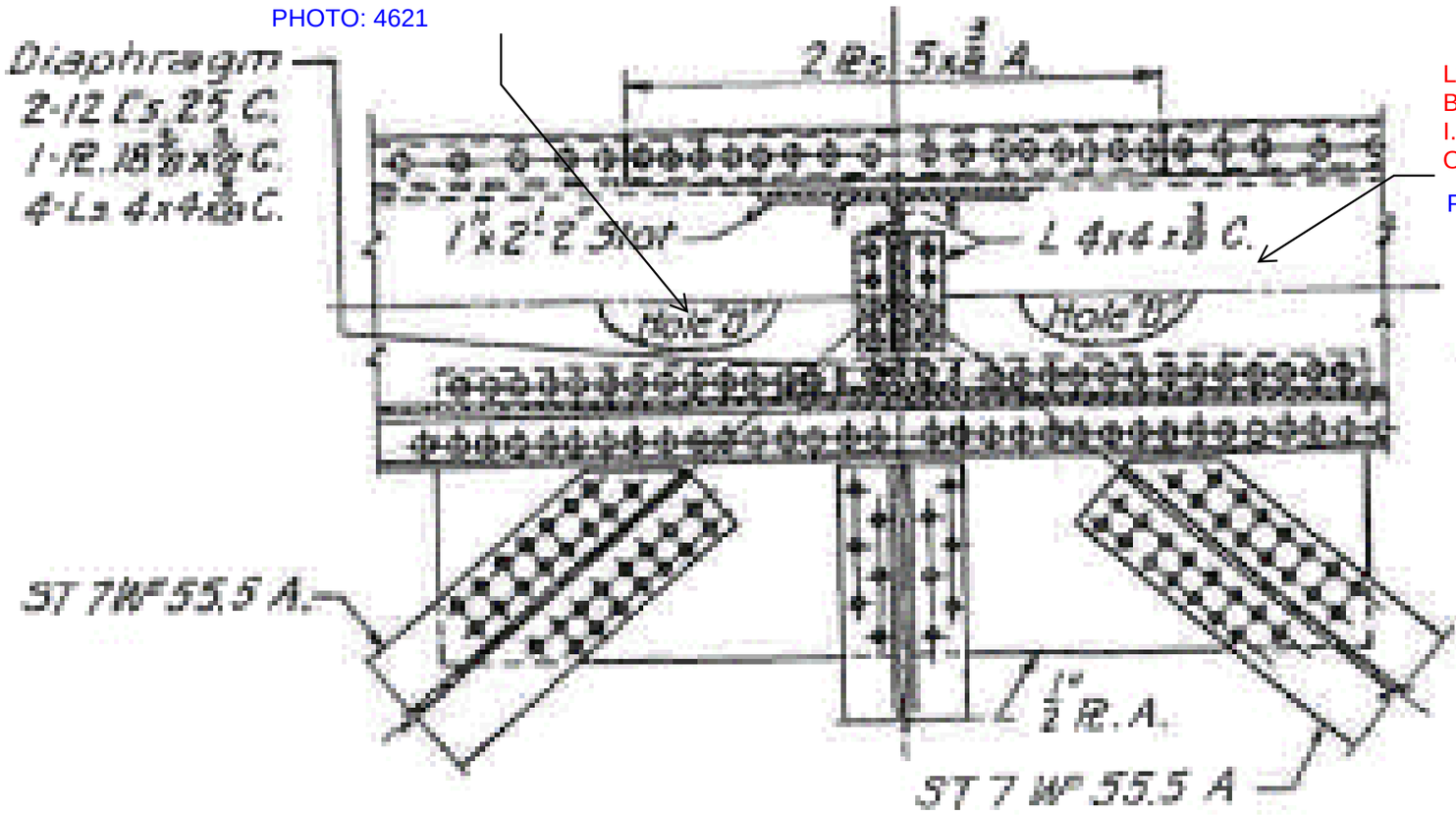
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 33

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L33

UP STREAM (US)

DOWN STREAM (DS)

L32-L33 DS
BOTTOM PLATE: 8'L x 12"W x 0.25"D SL
I.S. WEB: 5'L x 4"H x 3/16"D SL
PHOTO: 4621



L33-L34 US SIDE
BOTTOM PLATE: 10'L x 4"W x 0.25"D SL
I.S. WEB: 8'L x 10"H x 0.25"D SL
O.S. WEB: 8'L x 6"H x 3/16"D SL
PHOTO: 4627

WEST ←
EAST →

Notes: Plan View

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Sheet No. ____ of ____
Made by: DFM / JV Date: 5-11-22
Checked by: ____ Date: ____
Description: Bridge No. 02899

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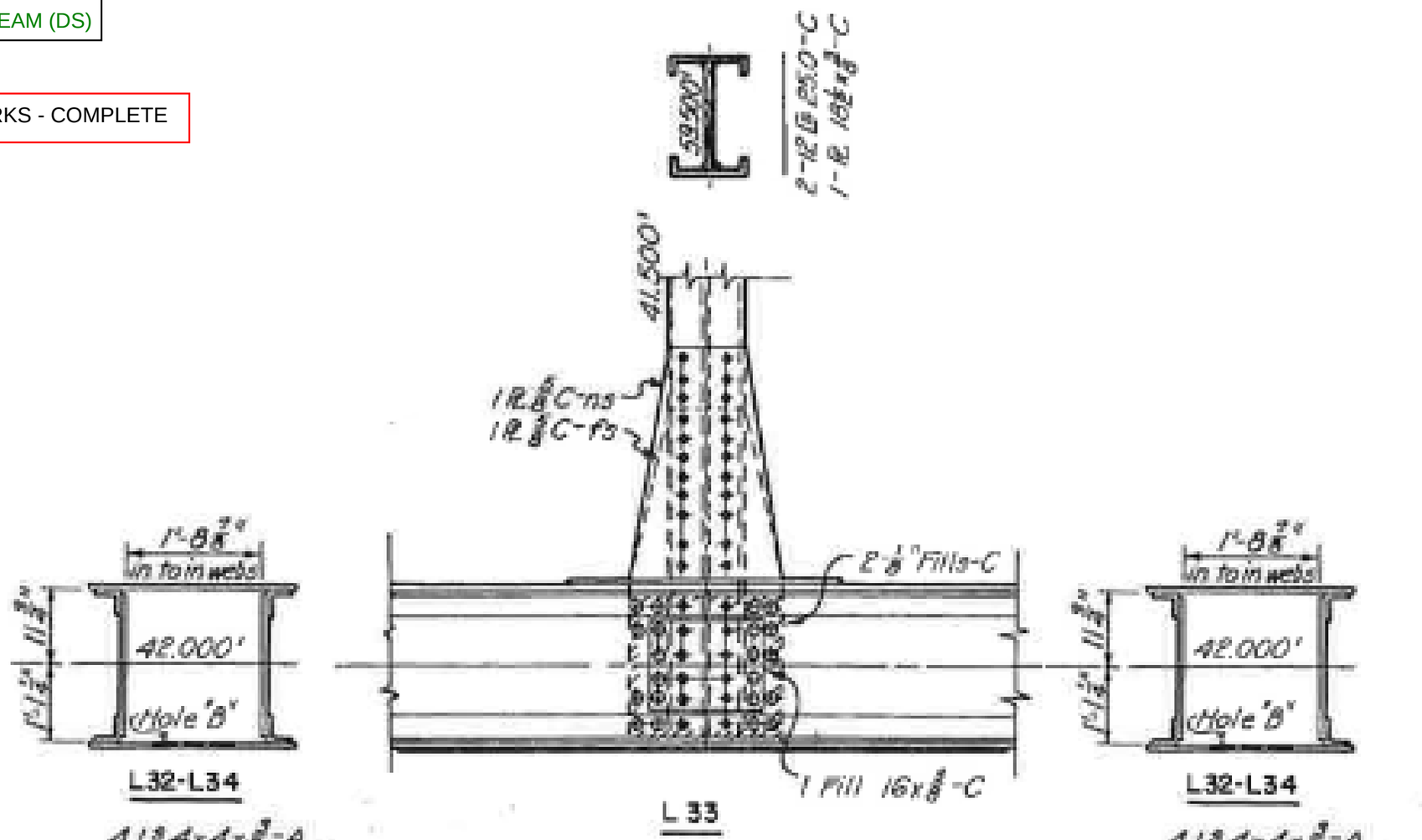
Span No. 3 Truss location L 33

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



L32-L34

4 L 8 4x4x3/8"-A
2 Web Rs. 24x3/8"-A
1 Top R. 31x3/8"-A
1 Batt R. 31x3/8"-A

L 33

L32-L34

4 L 8 4x4x3/8"-A
2 Web Rs. 24x3/8"-A
1 Top R. 31x3/8"-A
1 Batt R. 31x3/8"-A

Notes: Elevation View

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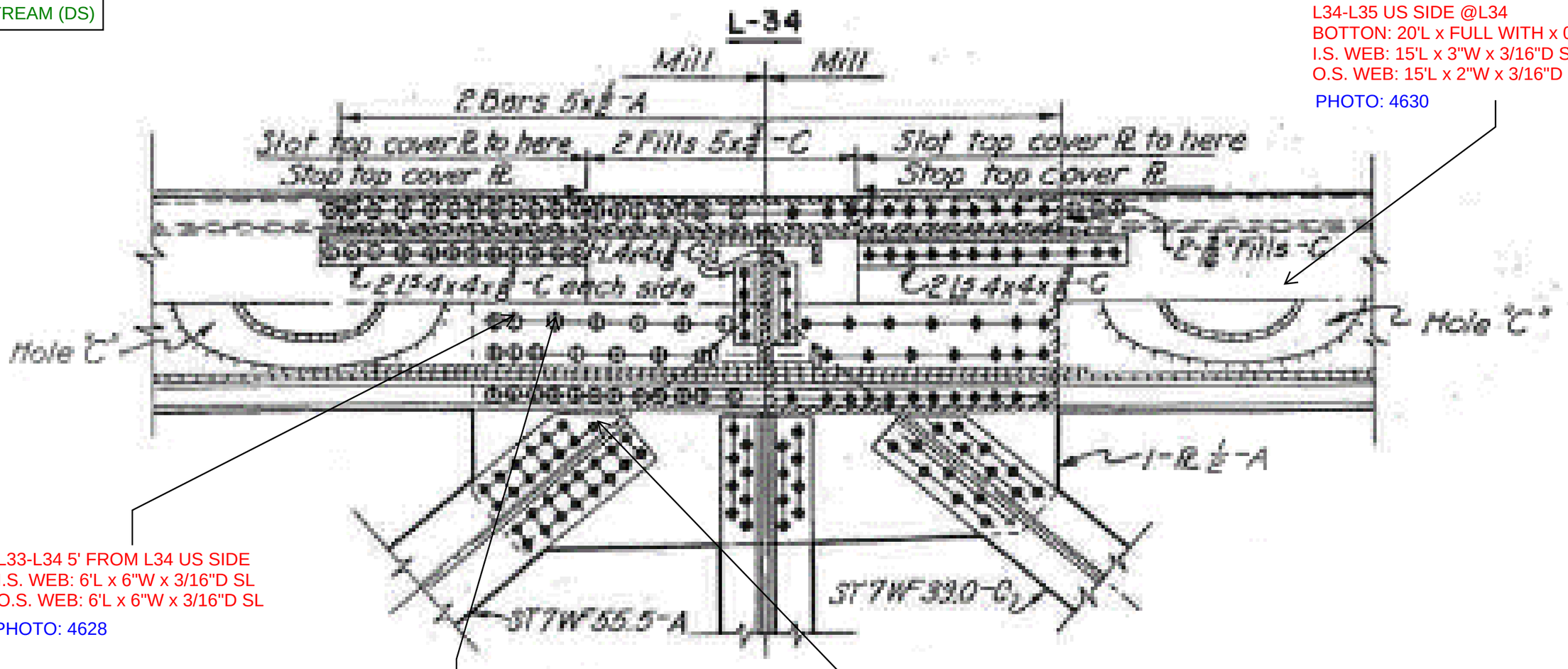
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV, RCM / JSP Date: 5-11-22, 5-12-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 34

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L34

UP STREAM (US)

DOWN STREAM (DS)



L34-L35 US SIDE @L34
BOTTON: 20'L x FULL WITH x 0.25"D SL
I.S. WEB: 15'L x 3"W x 3/16"D SL
O.S. WEB: 15'L x 2"W x 3/16"D SL
PHOTO: 4630

L33-L34 5' FROM L34 US SIDE
I.S. WEB: 6'L x 6"W x 3/16"D SL
O.S. WEB: 6'L x 6"W x 3/16"D SL
PHOTO: 4628

L33-L34 DS SIDE @L34
I.S. WEB: 10'L x 4"W x 3/16"D SL
O.S. WEB: 10'L x 6"W x 0.25"D SL
PHOTO: 4631

0.25" TIP GONE
BOTTOM RIGHT OF
BOTTOM CHORD

WEST ←
EAST →

Notes: Plan View

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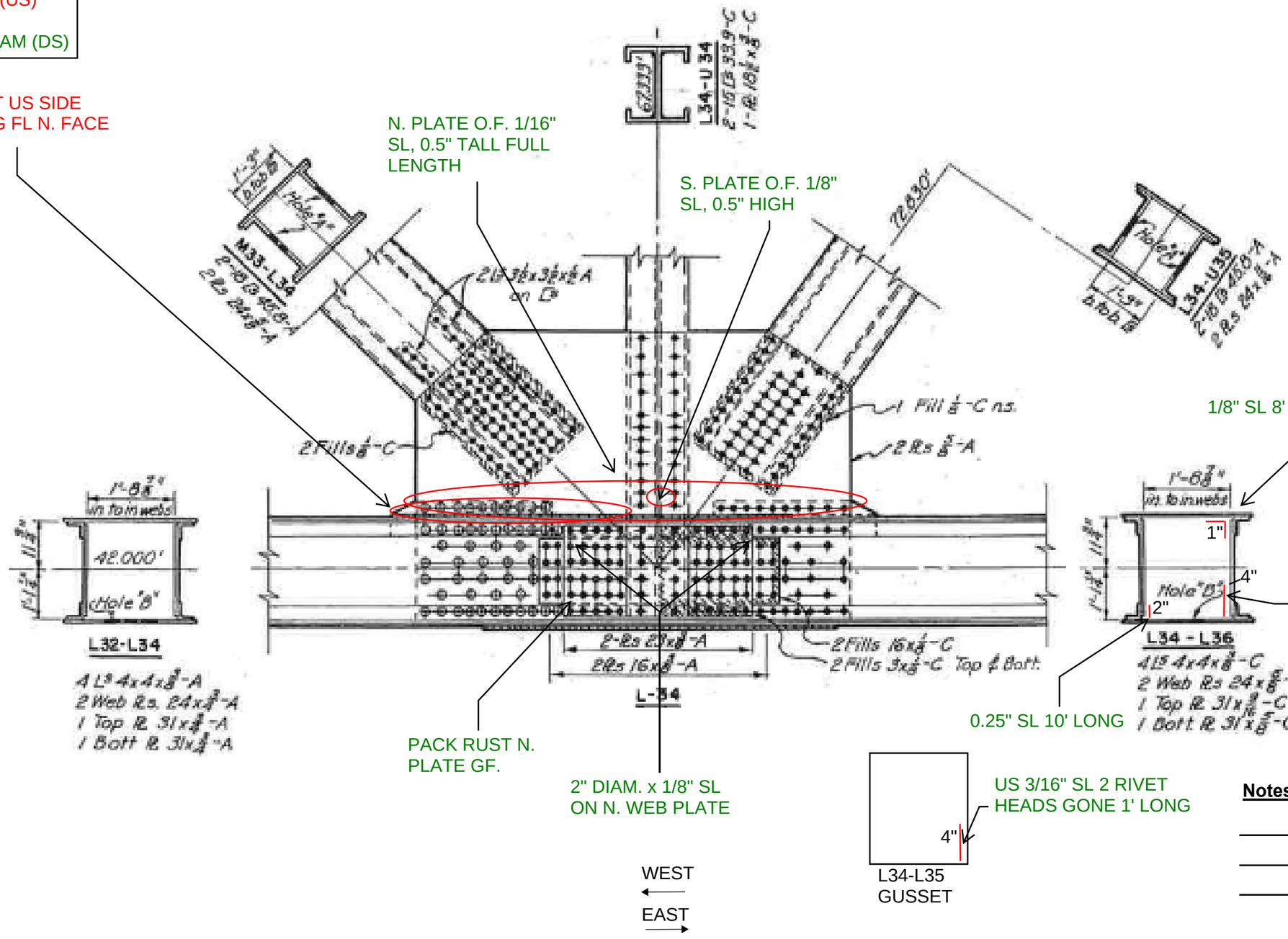
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-12-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 34

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L34

Back to L 52
Elevation View L52'!A1

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899

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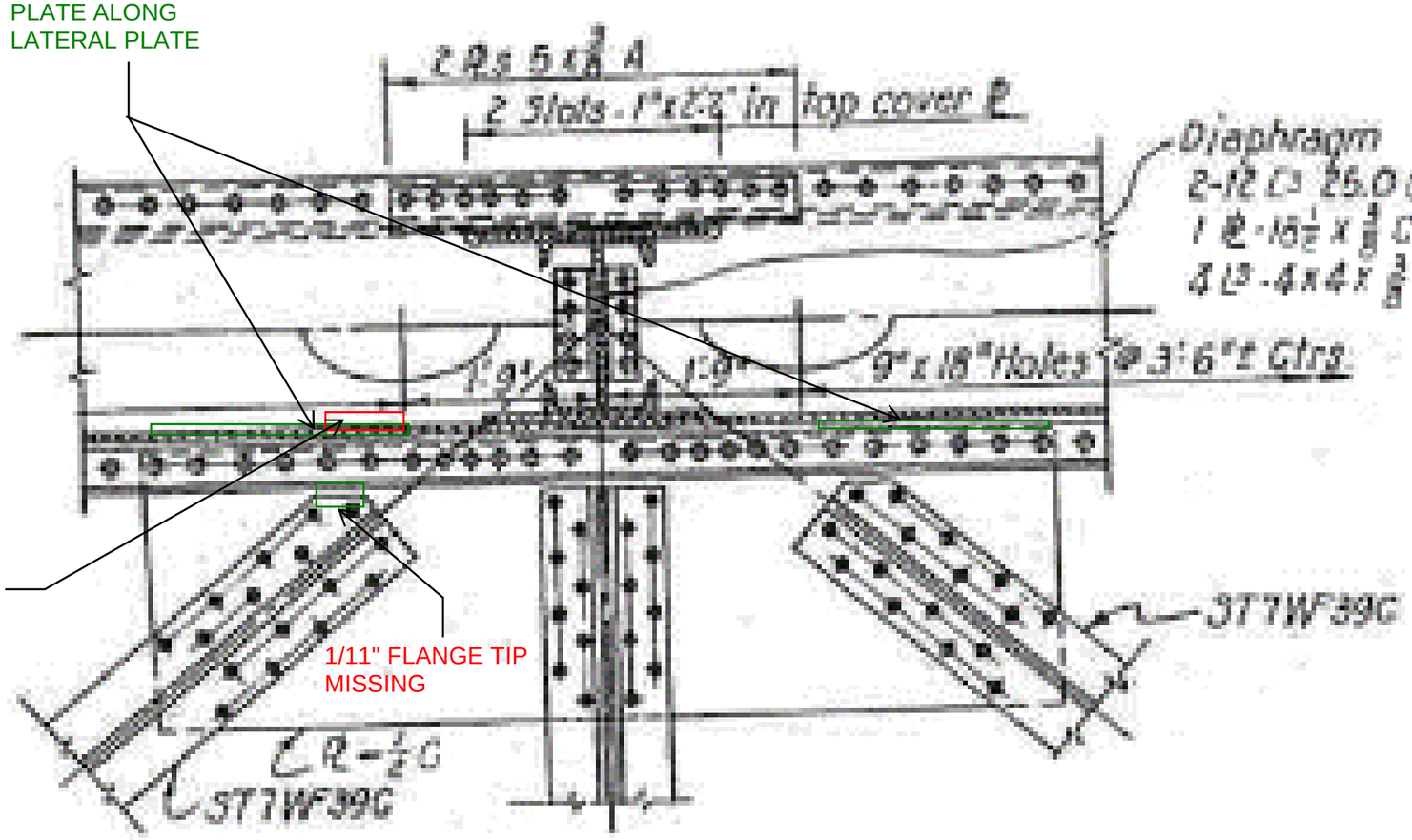
Span No. _3_ Truss location_L 35_

US UPSTREAM
DS DOWNSTREAM
Photo Number

36

1/8" S.L. BOTTOM PLATE ALONG LATERAL PLATE



WEST
EAST

Notes: Plan View

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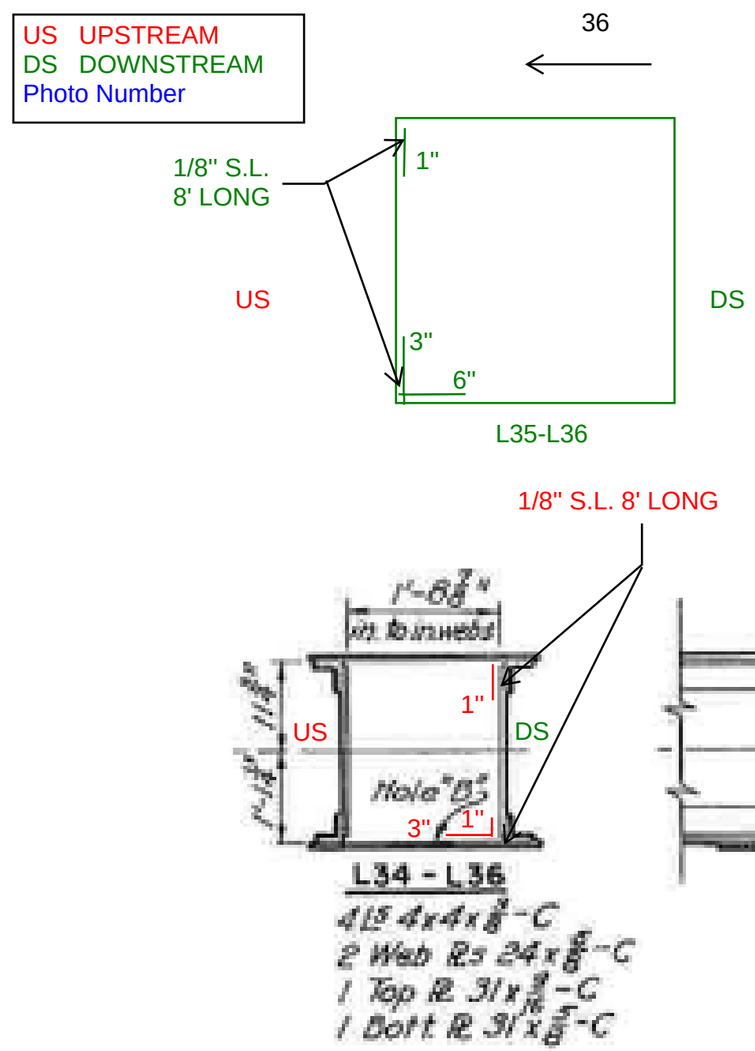
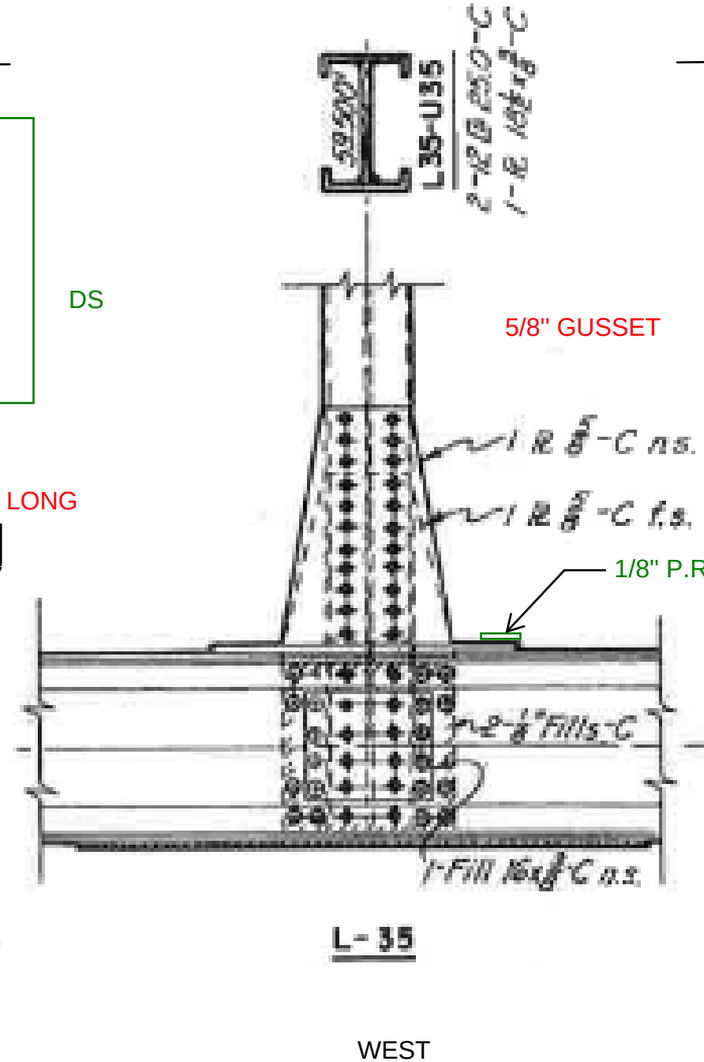
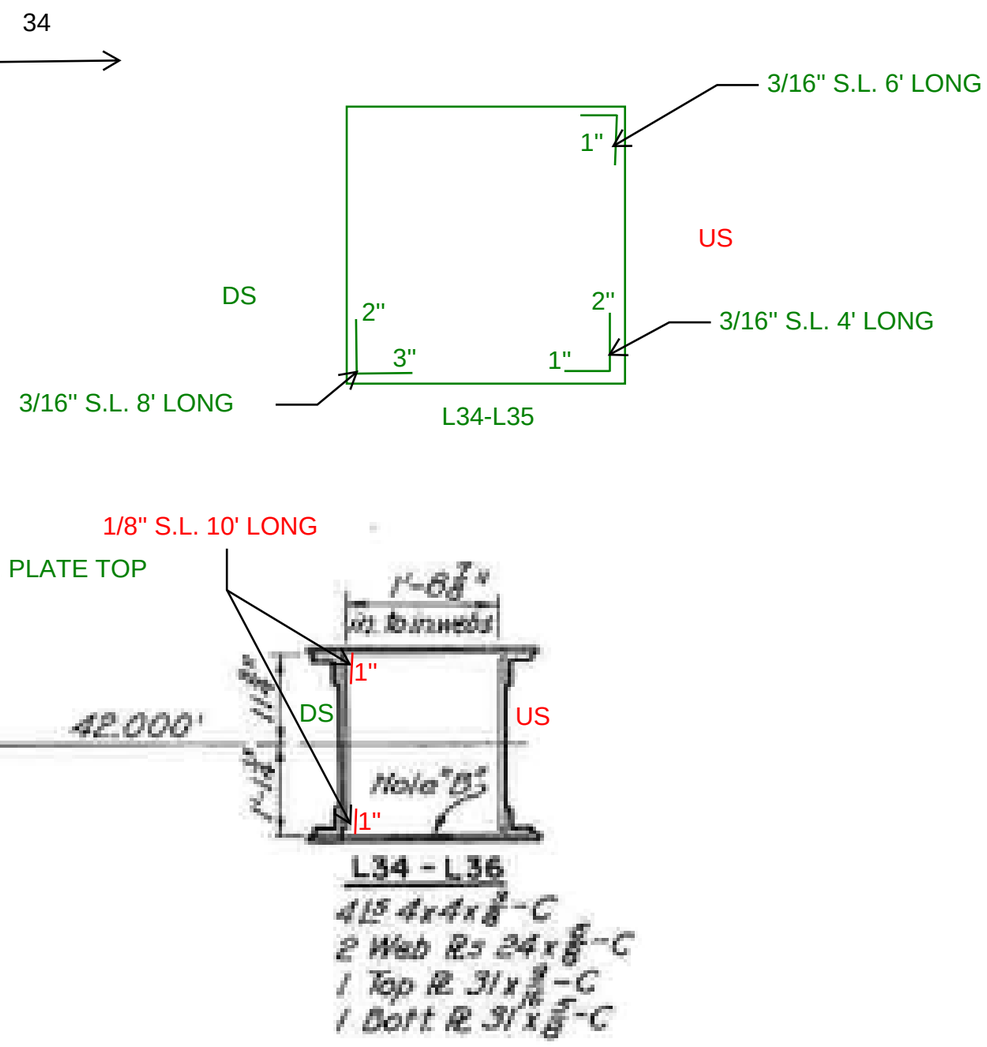
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 35

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L35

US UPSTREAM
DS DOWNSTREAM
Photo Number







WEST
EAST

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899

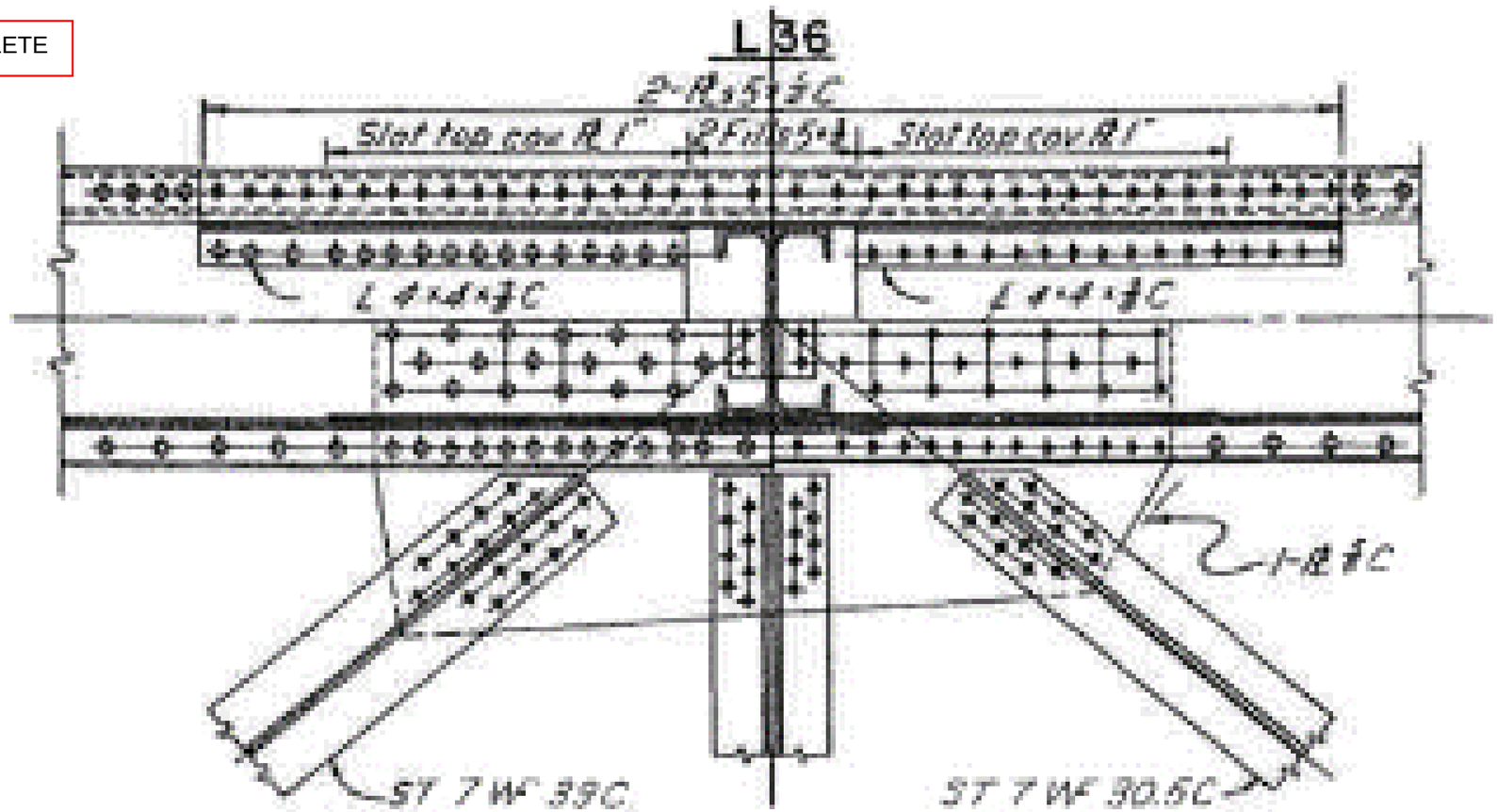
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L36

Span No. _3_ Truss location_ L 36_

West Face (AR)
East Face (MS)
Photo Number

NO REMARKS - COMPLETE

Back to L54
Plan View L54'!A1



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 36

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L36

Back to L54
Elevation View L54'!A1

US UPSTREAM
DS DOWNSTREAM
Photo Number

3/16" S.L. 1.5' LONG
RIVET GONE

3/16" S.L. 8' LONG

3 RIVETS GONE 1/4"
S.L. 14' LONG

36-37 GUSSET

36-37

MISSING 8
RIVET HEADS
3/16" S.L. 1'
LONG

35-36 GUSSET

3/16" S.L. 1' LONG

5/8" GUSSET

3/16" S.L. 4' LONG

35-36

1/8" S.L. 8'
LONG

1/8" S.L.
4 RIVET HEADS
GONE

1/8" S.L. FULL LENGTH

1/8" S.L.
FULL
LENGTH

L35-L36 @
GUSSET

1/4" S.L.
8 RIVET HEADS
GONE
2 IN 2ND ROW
2' LONG

1/4" S.L.
5 RIVET HEADS
GONE
1.5' LONG

1/16" S.L. N
PLATE
ALONG TOP
PLATE
O.F.

GUSSET ALONG
TOP PLATE 1"
TALL S. PLATE
O.F. 1/8" S.L.

2' LONG 1/4" TALL
1/16" S.L. N PLATE

L36-L37
GUSSET

3/16" S.L.
2' ALONG

3/16" S.L.

P.R.
US TO S
PLATE

1/8" S.L.
10' LONG

1/4" S.L. 5 RIVET
HEADS GONE 3'
LONG

3/16" S.L.
7 RIVET
HEADS
GONE
12" LONG

1/4" S.L.
6 RIVET
HEADS
GONE
16' LONG

P.R.
S PLATE
O.F.

6" ALONG B.L.
3" TALL
1/8" S.L. P
PLATE O.F.

1/4" S.L. 1 RIVET
HEAD GONE 10'
LONG

WEST
EAST
35
37

Notes: Elevation View

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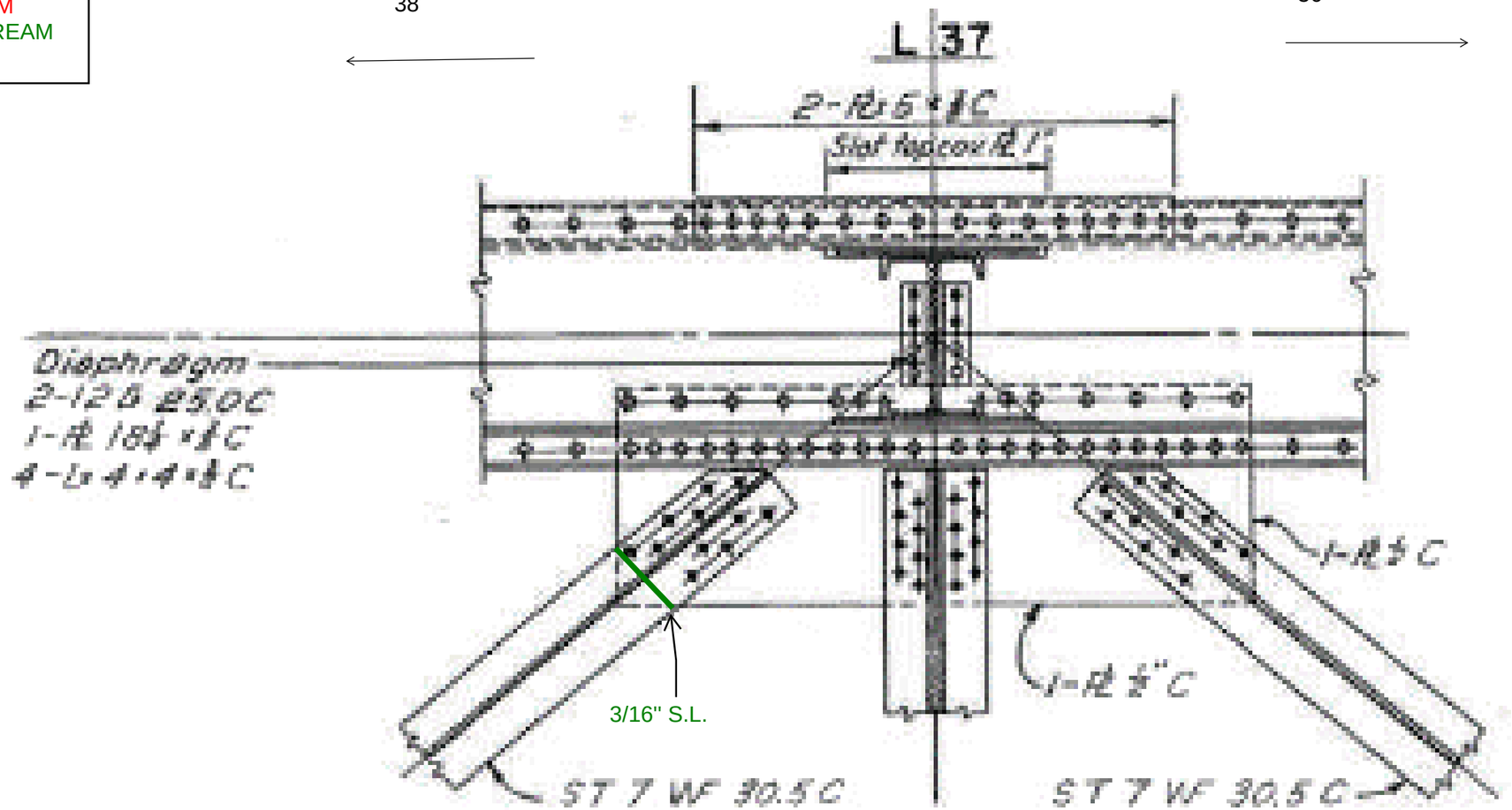
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location_L 37_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L37

US UPSTREAM
DS DOWNSTREAM
Photo Number

38 ←

36 →



WEST ←
EAST →

Notes: Plan View

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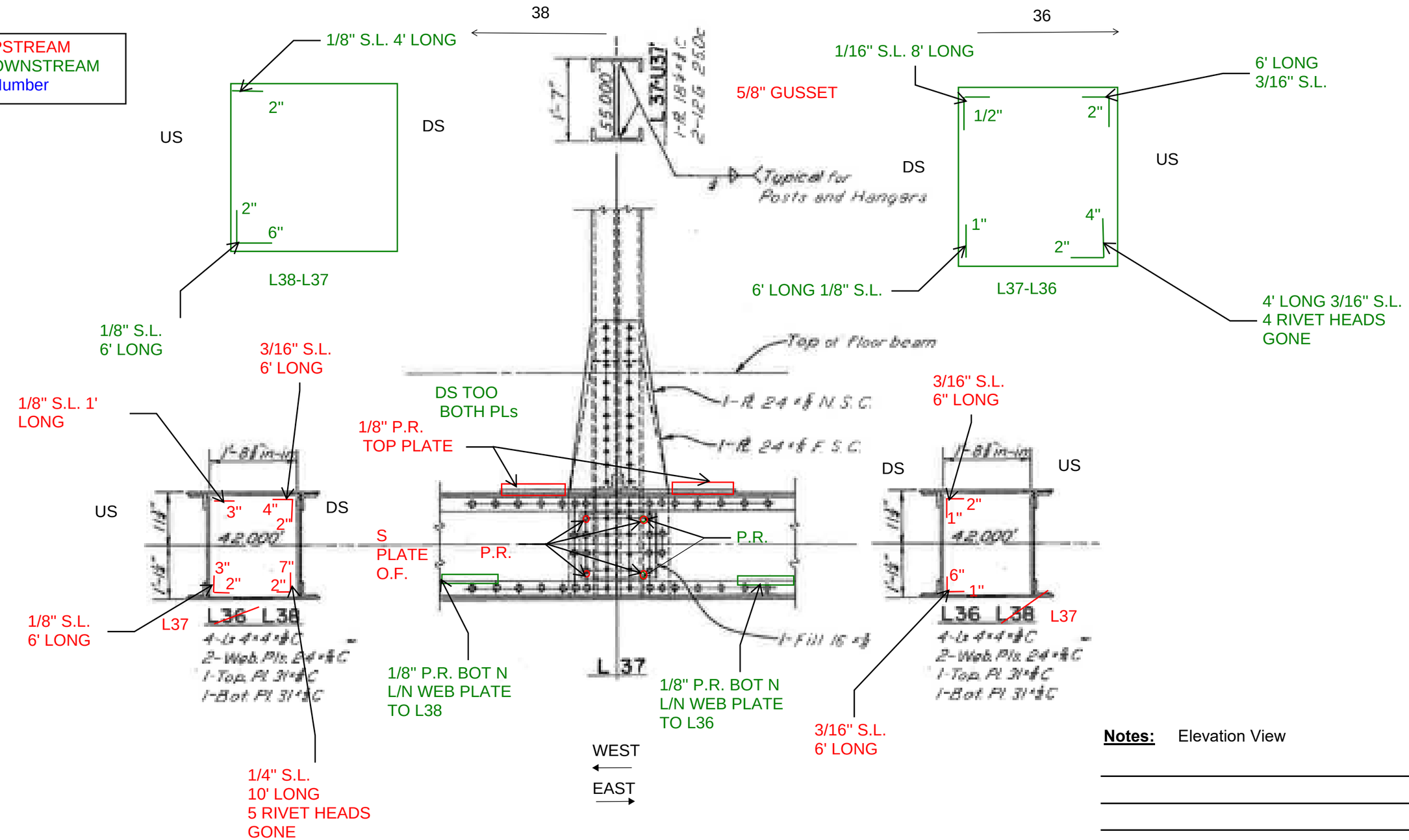
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/12/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 37

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L37

US UPSTREAM
DS DOWNSTREAM
Photo Number



Notes: Elevation View

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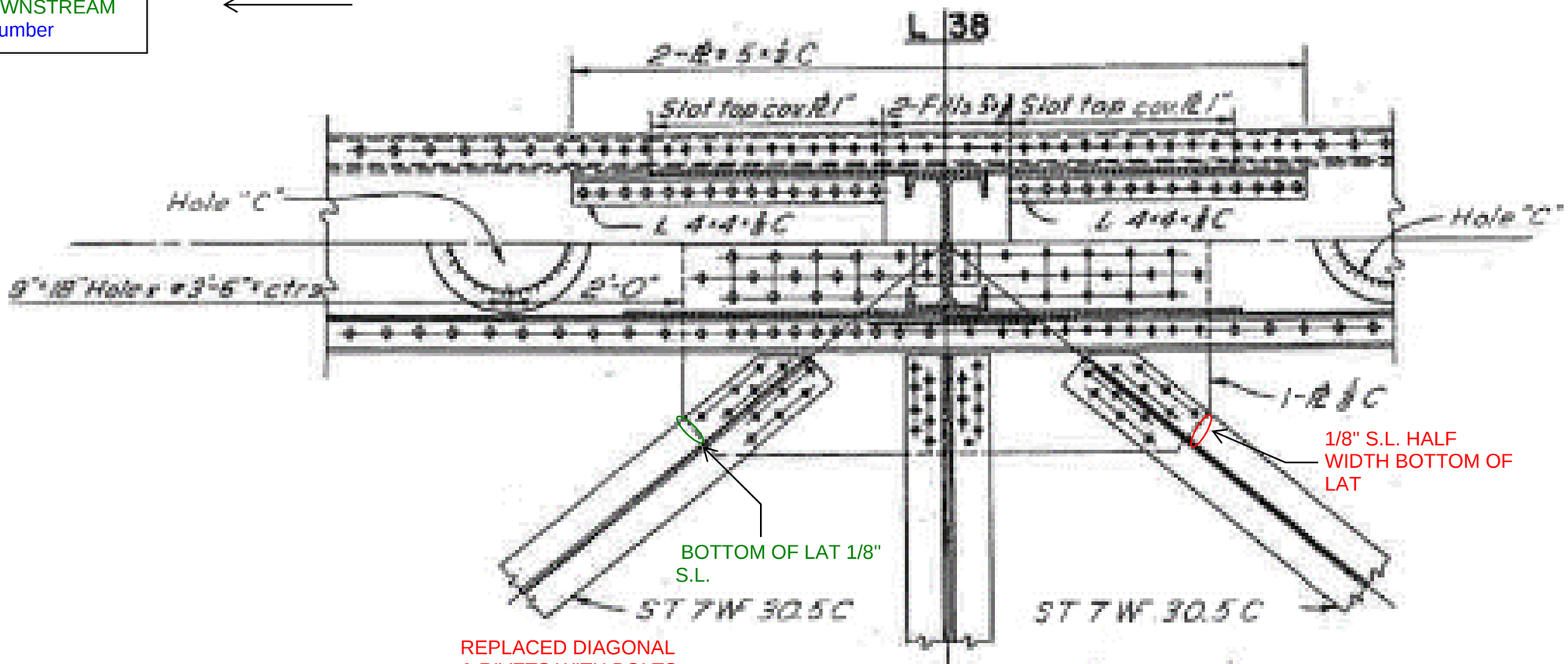
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 38

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L38

US UPSTREAM
DS DOWNSTREAM
Photo Number

L39



WEST
EAST

Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 38

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L38

L39

US UPSTREAM
DS DOWNSTREAM
Photo Number

8' LONG
3/16" S.L.

2"
1"
1/2"
1/8" S.L. 8' LONG

5/8" GUSSET PLATE

L37

1/8" S.L. FULL
GUSSET

DS
L38-L39
US

L38-L39

1"
DS
US

9"
3"
3"
3"

8' LONG
3/16" S.L.

8' LONG
1/8" S.L.
5 RIVET HEADS
GONE

8' LONG
1/8" S.L.

1/2"
1/2"

DS
US

6"
6"
4"
4"

L38-L37

14 RIVET HEADS
GONE
3/16" S.L. 8' LONG

3/16" S.L.
6' LONG
8 RIVET HEADS
GONE

2"
L38-L37
GUSSET
7"

DS
US

1/8" S.L.
FULL
LENGTH

1/8" S.L.
1' LONG 4 RIVET
HEADS GONE

1/8" S.L. 6' LONG

1/10" S.L. 1/4" TALL
S. PL

1/8" S.L. 2' LONG

1/16" S.L. 1/2" TALL
N PL O.F.
1/8" S.L. 1/4" TALL
N PLATE OF GUSSET

S PL O.F. P.R.
N PL O.F. TOO

DS
US
1"
4"
5"
3"
2"

L36 L38

1/8" S.L.

3 RIVET HEADS
GONE 1/8" S.L.

L38-L39

1" DIA. 1/8" S.L.
ON BC WEB PLATE
S. PLATE OUTSIDE

WEST
EAST

L 38

1" DIA. 1/8" S.L. WEB
PLATE
N. PLATE O.F.

1/4" P.R. TO L37
BOT ANGLE/BOT
PLATE

1/4" S.L. 2' LONG
3 RIVET HEADS
GONE

DS
US
2"
8"

L36 L38

L37

L37-L38

1/8" S.L.
1"
US
DS
8"
3"
6"
3"

1/4" S.L. 3' LONG

1/4" S.L.
6 RIVET HEADS
GONE

Notes: Elevation View

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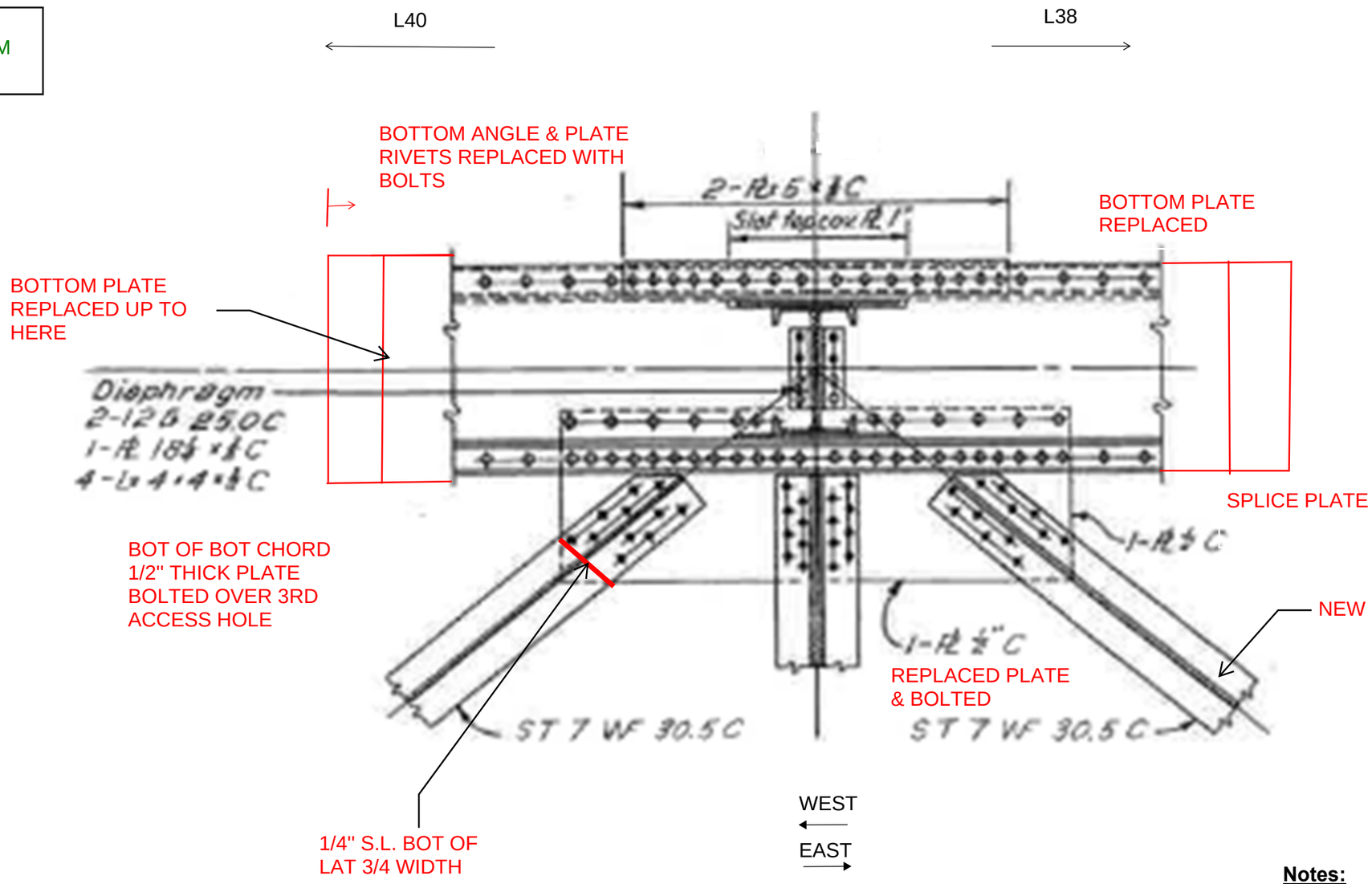
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/12/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 39

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L39

US UPSTREAM
DS DOWNSTREAM
Photo Number



Notes: Plan View

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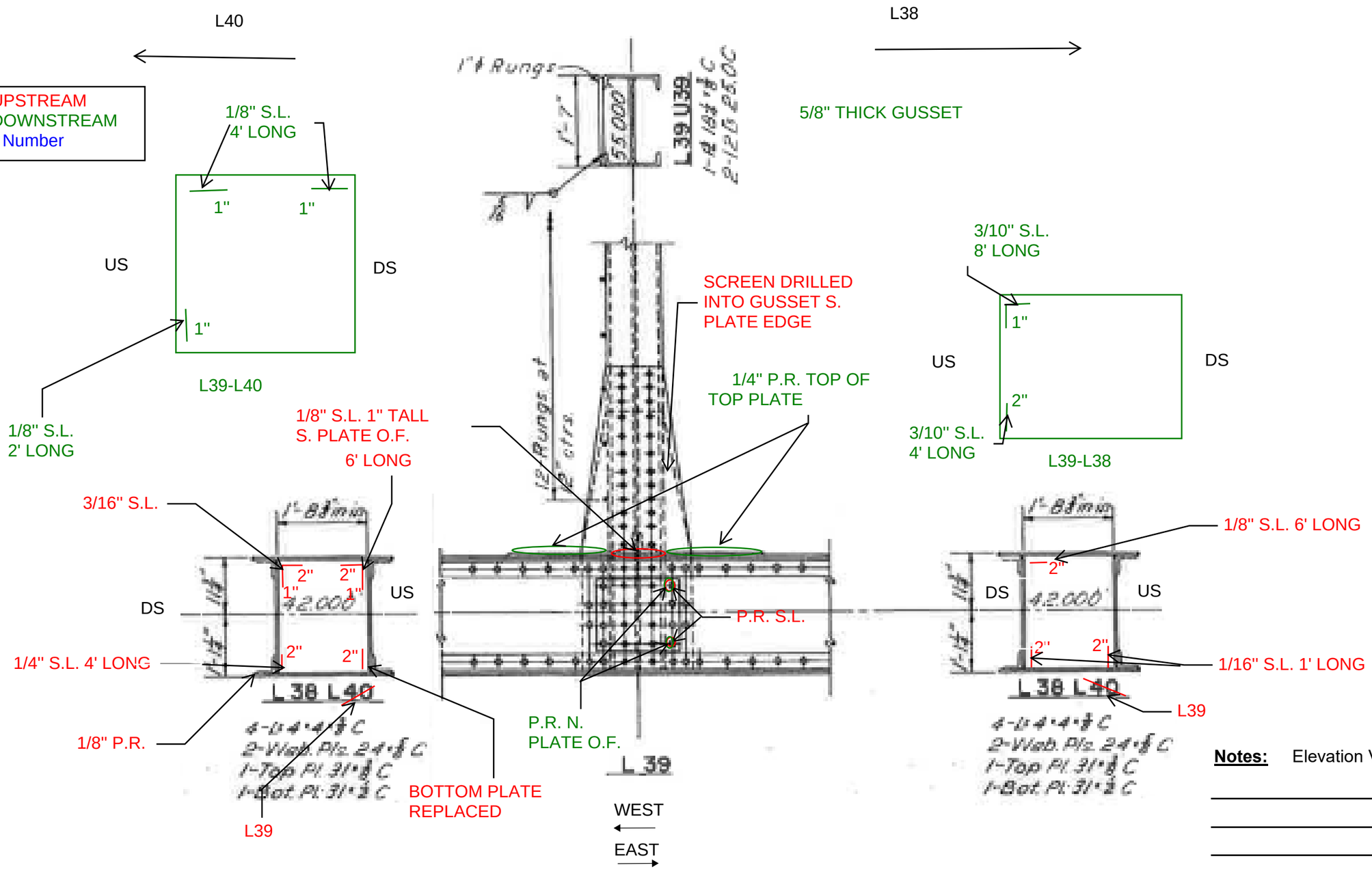
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/12/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 39

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L39



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-12-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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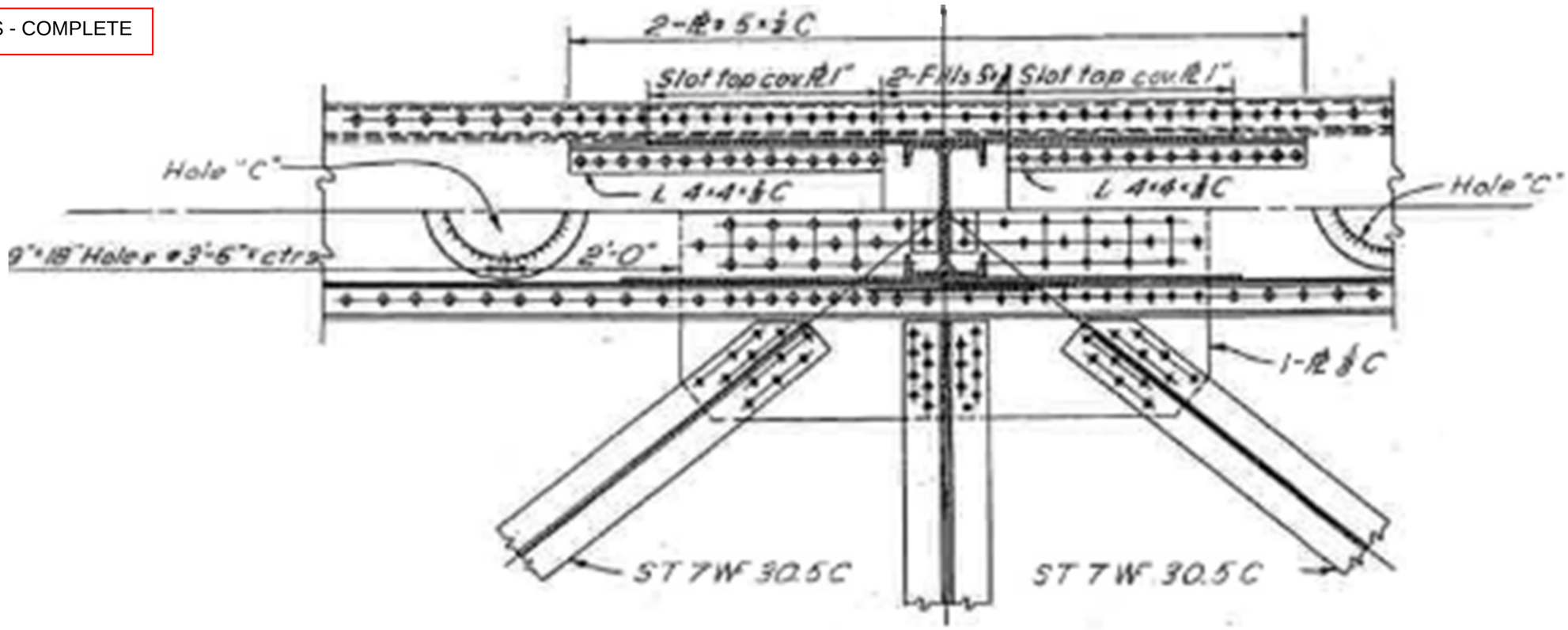
Span No. 3 Truss location L 40

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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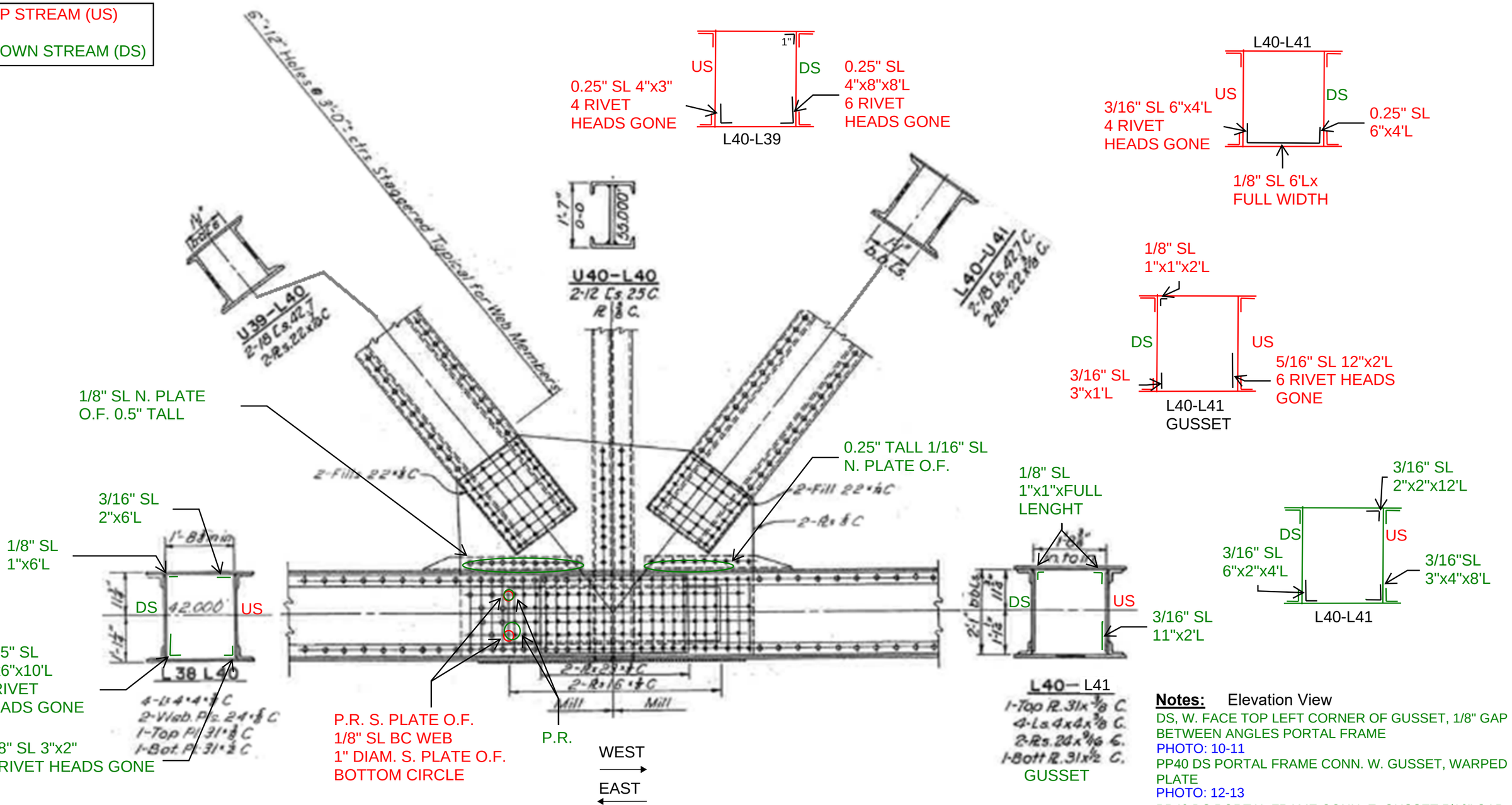
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 40

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L40

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

DS, W. FACE TOP LEFT CORNER OF GUSSET, 1/8" GAP BETWEEN ANGLES PORTAL FRAME
PHOTO: 10-11

PP40 DS PORTAL FRAME CONN. W. GUSSET, WARPED PLATE
PHOTO: 12-13

PP40 DS PORTAL FRAME CONN. E. GUSSET 5/16" GAP
PHOTO: 14-18

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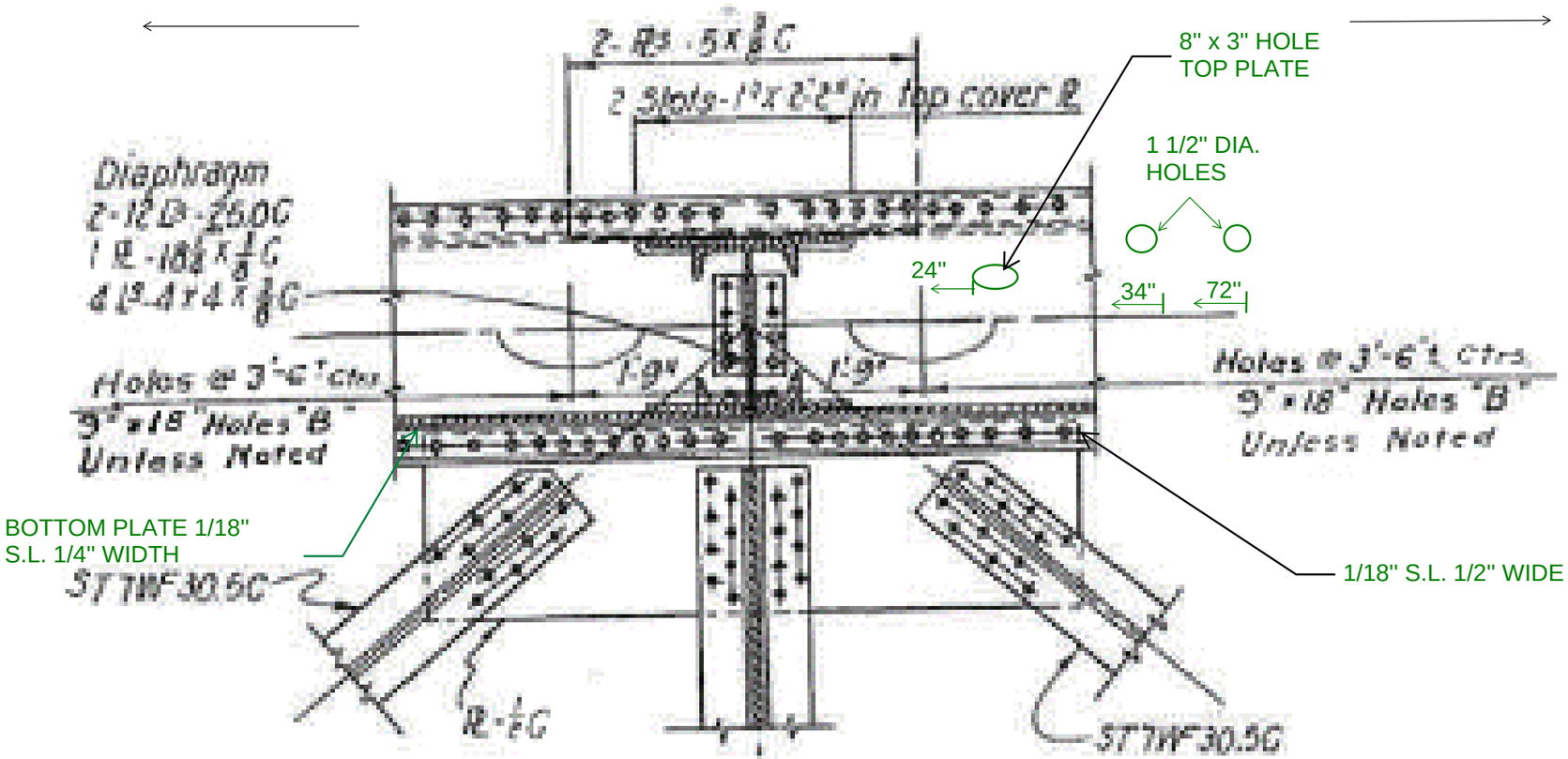
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 41

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L41

US UPSTREAM
DS DOWNSTREAM
Photo Number

L42 ←

→ L40



WEST ←
EAST →

Notes: Plan View

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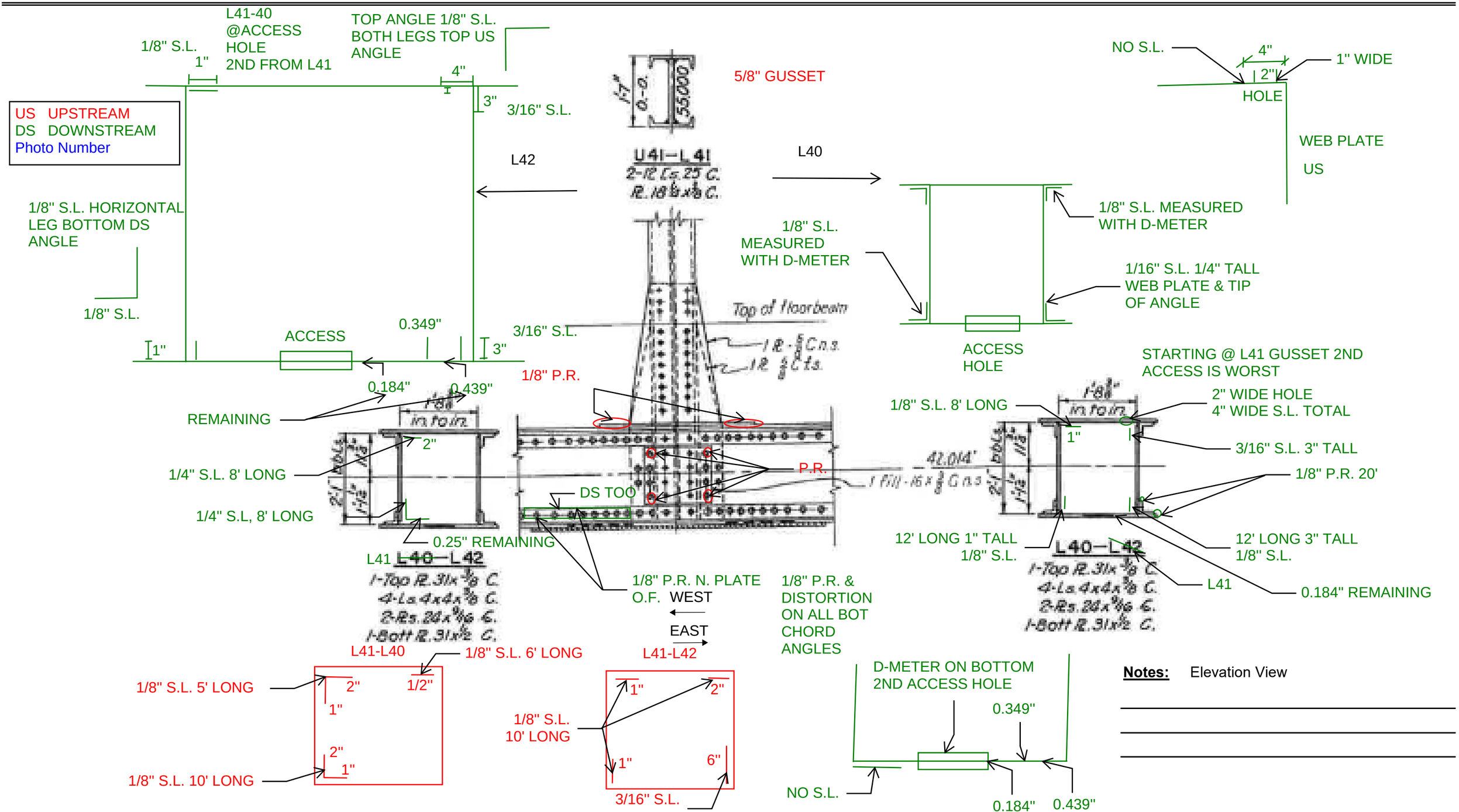
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 41

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L41



Notes: Elevation View

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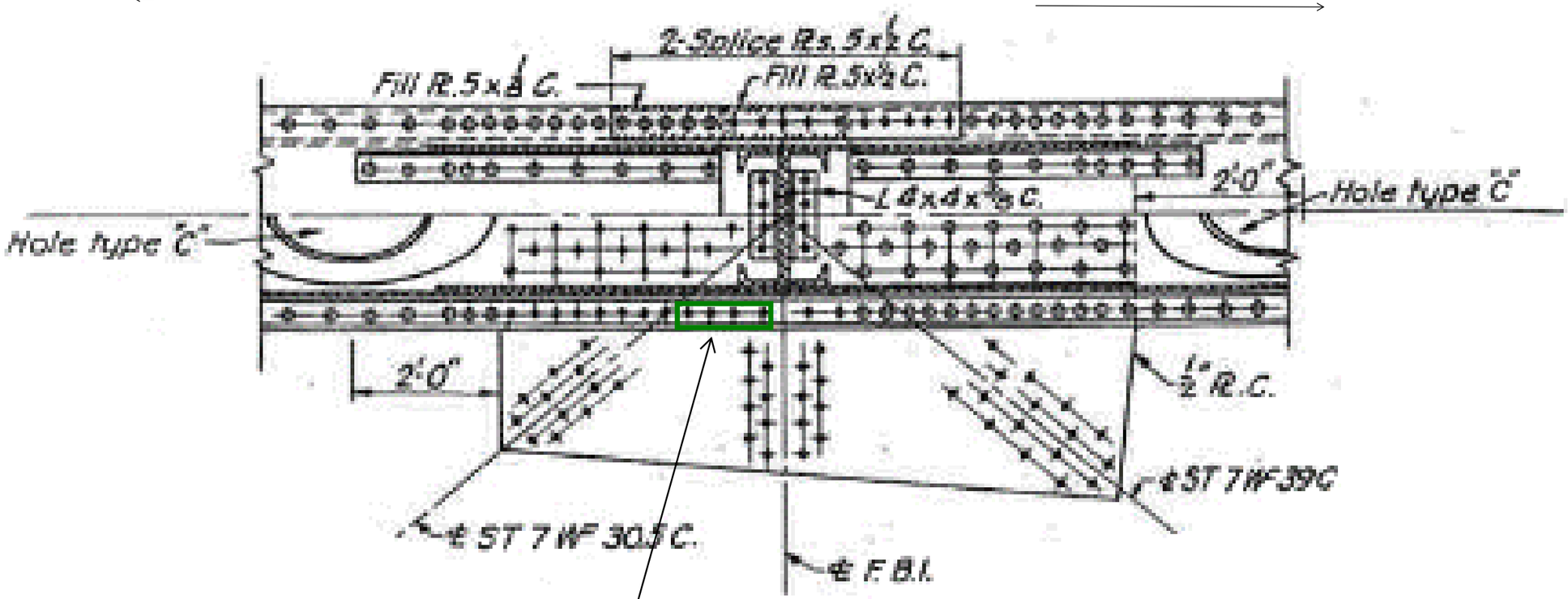
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 42

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L42

US UPSTREAM
DS DOWNSTREAM
Photo Number

L41 ←

→ L43



TOP OF ANGLE
WIDTH
1' LONG 3/16" S.L.

WEST →
← EAST

Notes: Plan View

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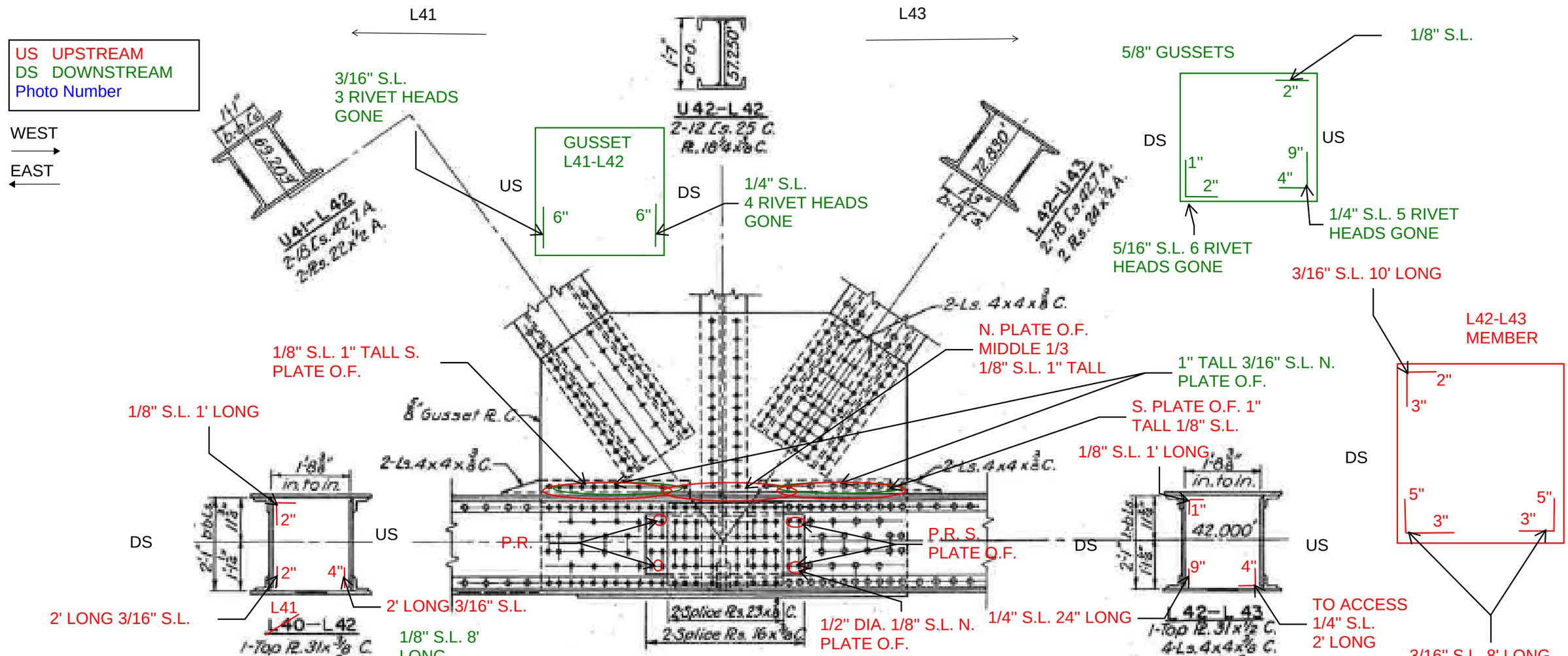
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 42

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L42

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST →
EAST ←



Notes: Elevation View

US _____

_____

_____

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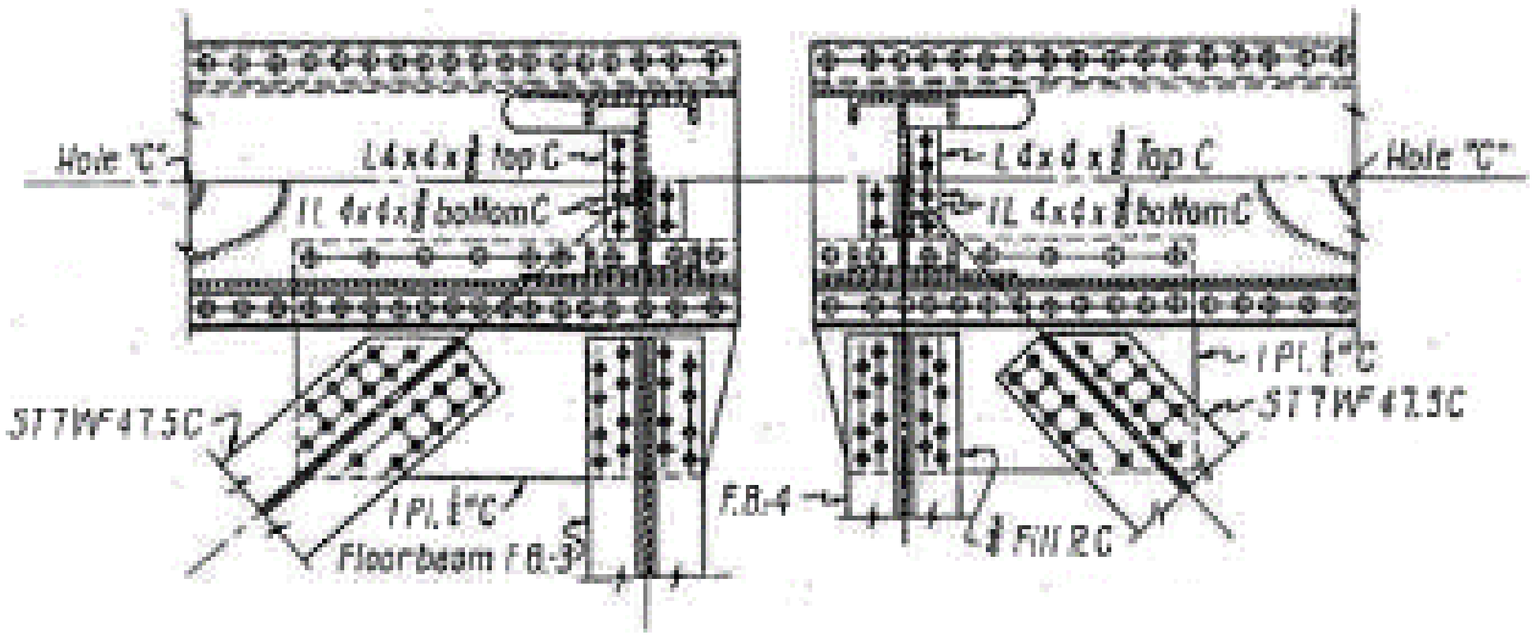
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 43

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L43

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/11/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 43

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L43

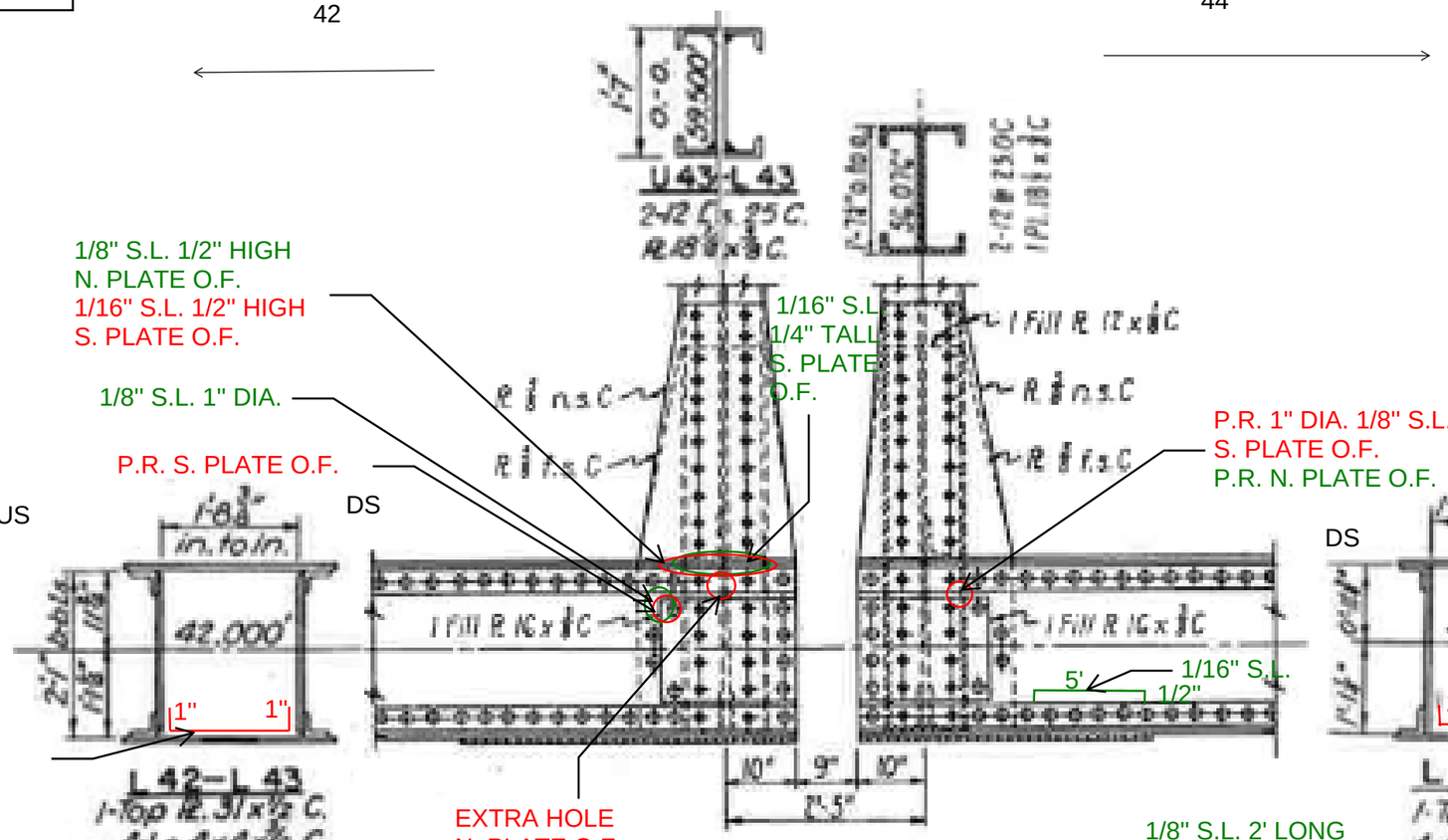
US UPSTREAM
DS DOWNSTREAM
Photo Number

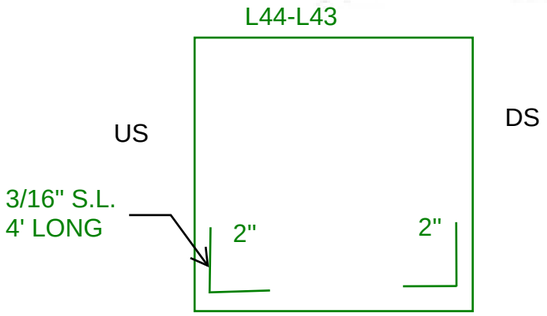
WEST
EAST

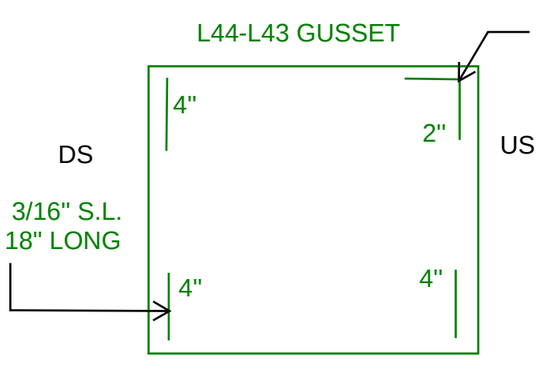
5/8" THICK GUSSET PLATE

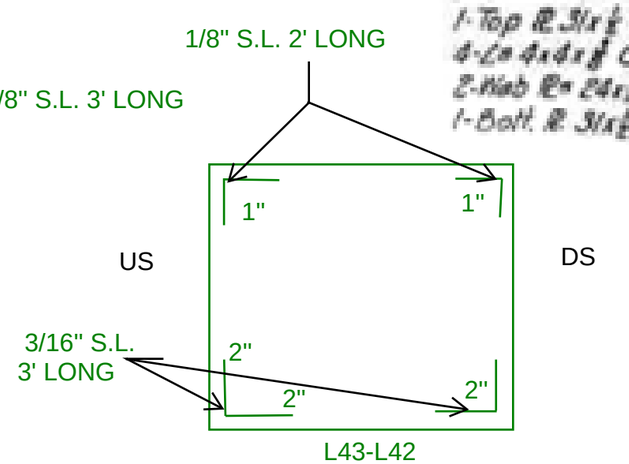
42

44









Notes: Elevation View

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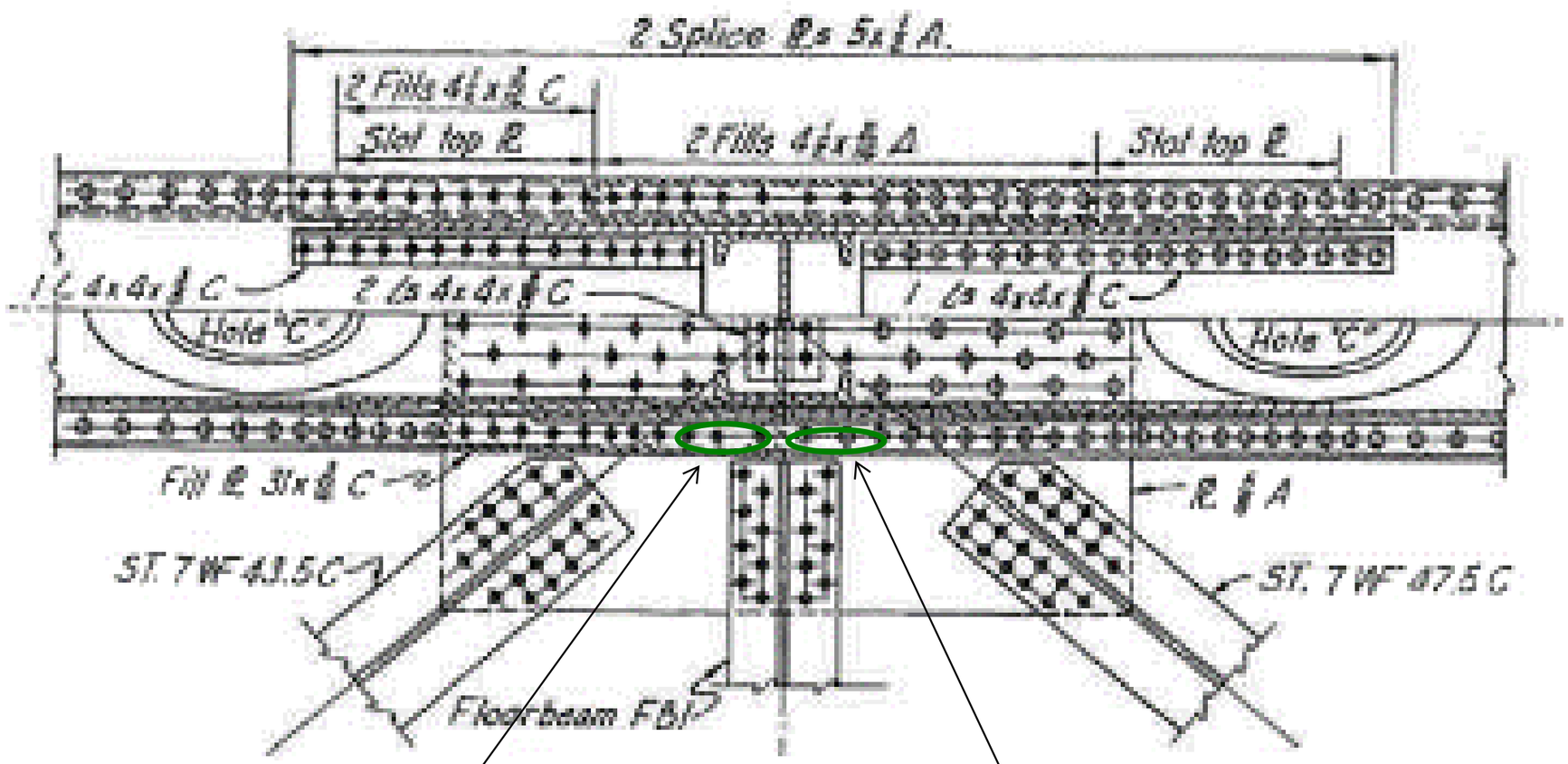
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 44

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L44

US UPSTREAM
DS DOWNSTREAM
Photo Number

L45 ←

→ L43



WEST ←
EAST →

3/16" S.L.
3" X 3" TOP OF BOT
ANGLE

1/8" S.L.
3" X 3" TOP OF BOT
ANGLE

Notes: Plan View

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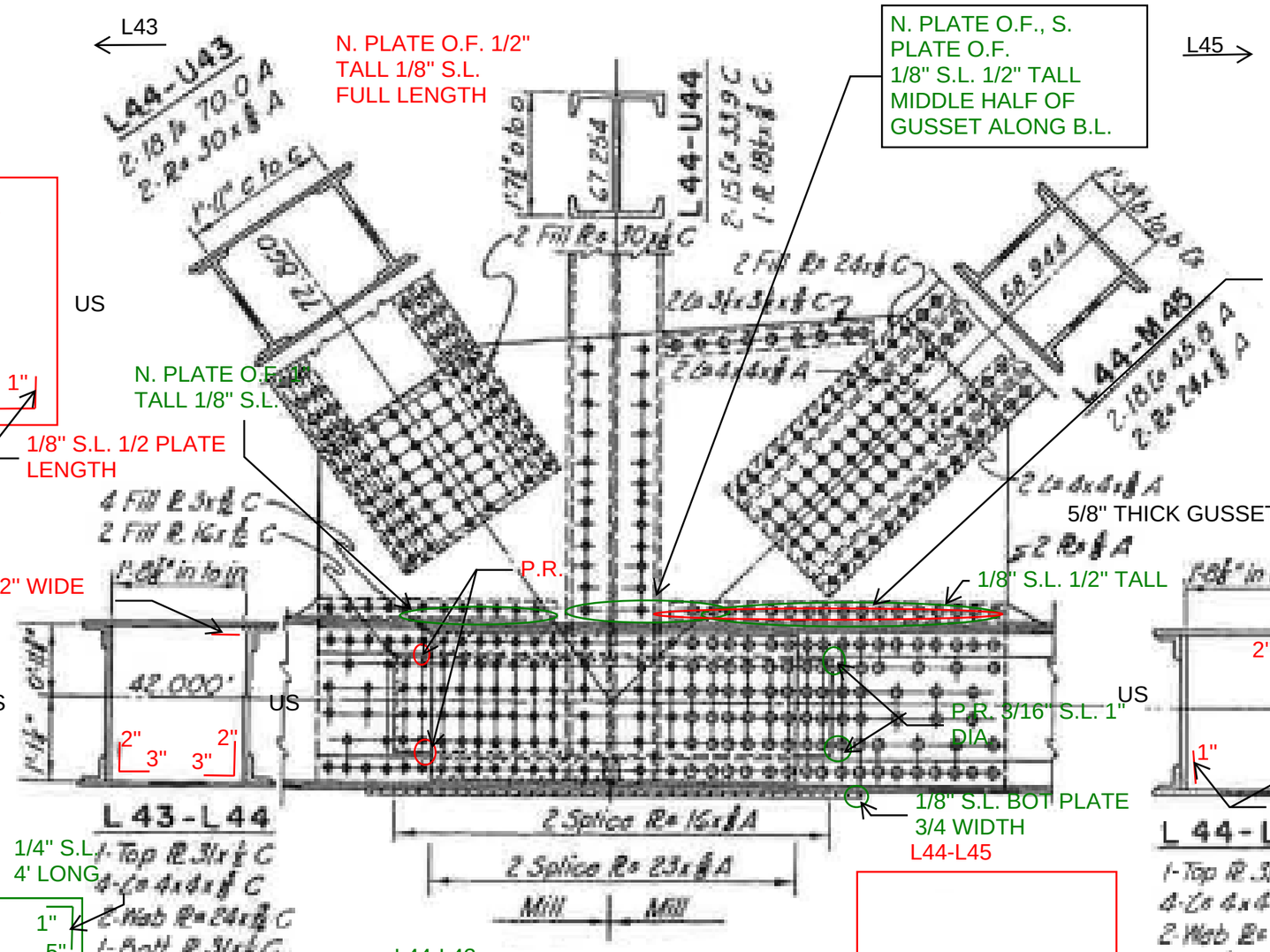
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/11/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 44

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L44



Notes: Elevation View

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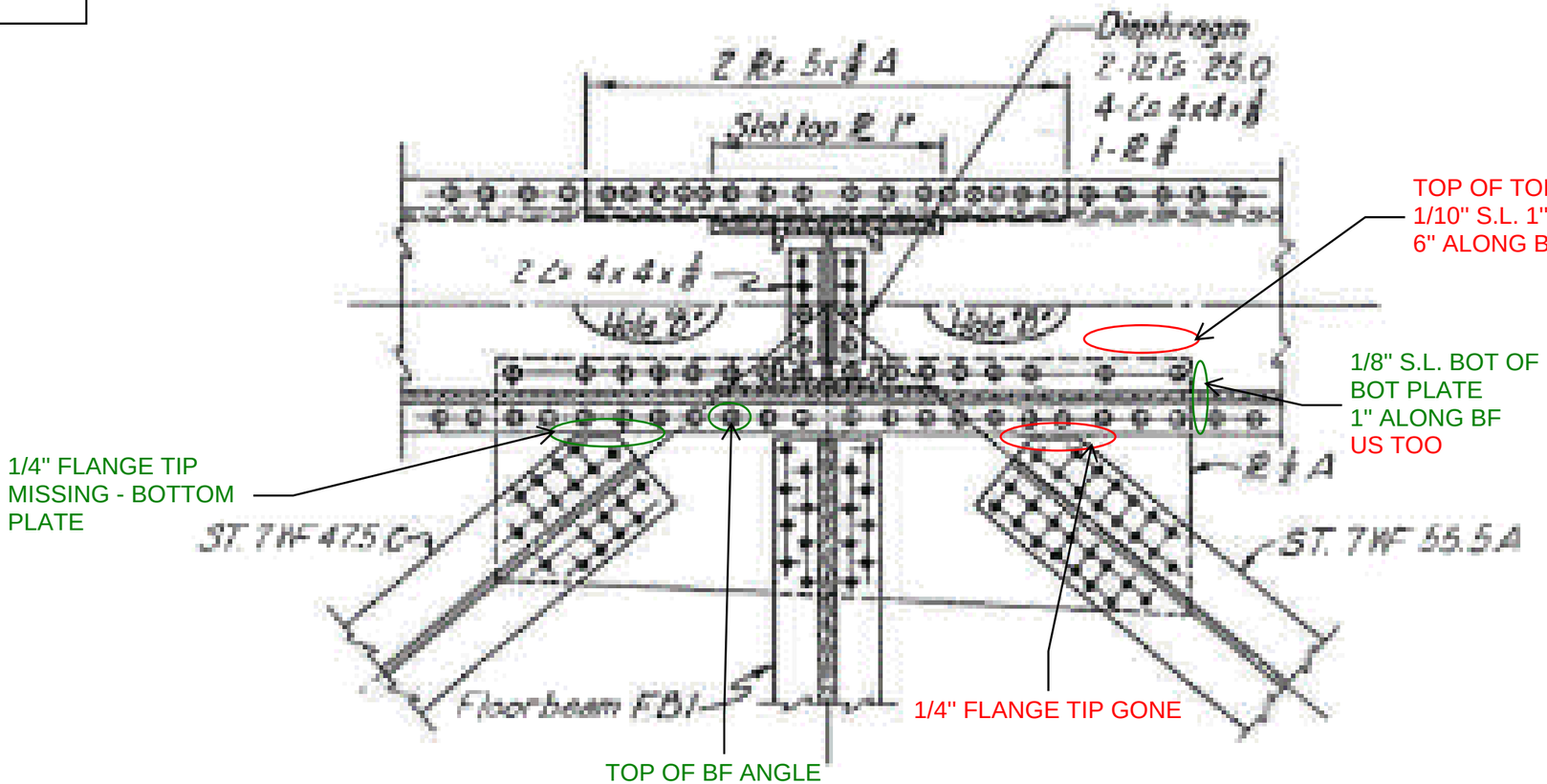
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/11/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 45

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L45

US UPSTREAM
DS DOWNSTREAM
Photo Number

L44 ←

L46 →



WEST →

EAST ←

Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/11/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 45

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L45

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST

44

46

5/8" GUSSET

1/8" P.R. N. PLATE AND S.L.
TOP CONN./B.C. TOP PLATE
3/16" S.L. 5' LONG

1/16" S.L. 1/4"
HIGH
N. PLATE

1/8" S.L. 6' LONG

US DS

1"
3"
3"
4"

3/16" S.L. 10' LONG

L45

L44-L46

1-Top PL 31/2 x 5/8 A
4-Le 6x4x7/16 A
2-Web PL 28 x 7/16 A
1-Bott. PL 31/2 x 5/8 A

P.R.

P.R.
US TOO S. PLATE

N. PLATE O.F.
1/16" S.L. 1/4" TALL

1/8" S.L. 3' LONG

DS US

3"
2"
4"
1"
3"

3/16" S.L. 5' LONG
5 RIVET HEADS
GONE

1/8" S.L. 4' LONG

L45

L44-L46

1-Top PL 31/2 x 5/8 A
4-Le 6x4x7/16 A
2-Web PL 28 x 7/16 A
1-Bott. PL 31/2 x 5/8 A

1/8" S.L. 8' LONG
L45-L46 US

US DS

1"
4"
2"

1/8" S.L. 4' LONG

1/8" S.L. 10' LONG

1/8" S.L. 5' LONG
L45-L44
US

DS US

1"

Notes: Elevation View

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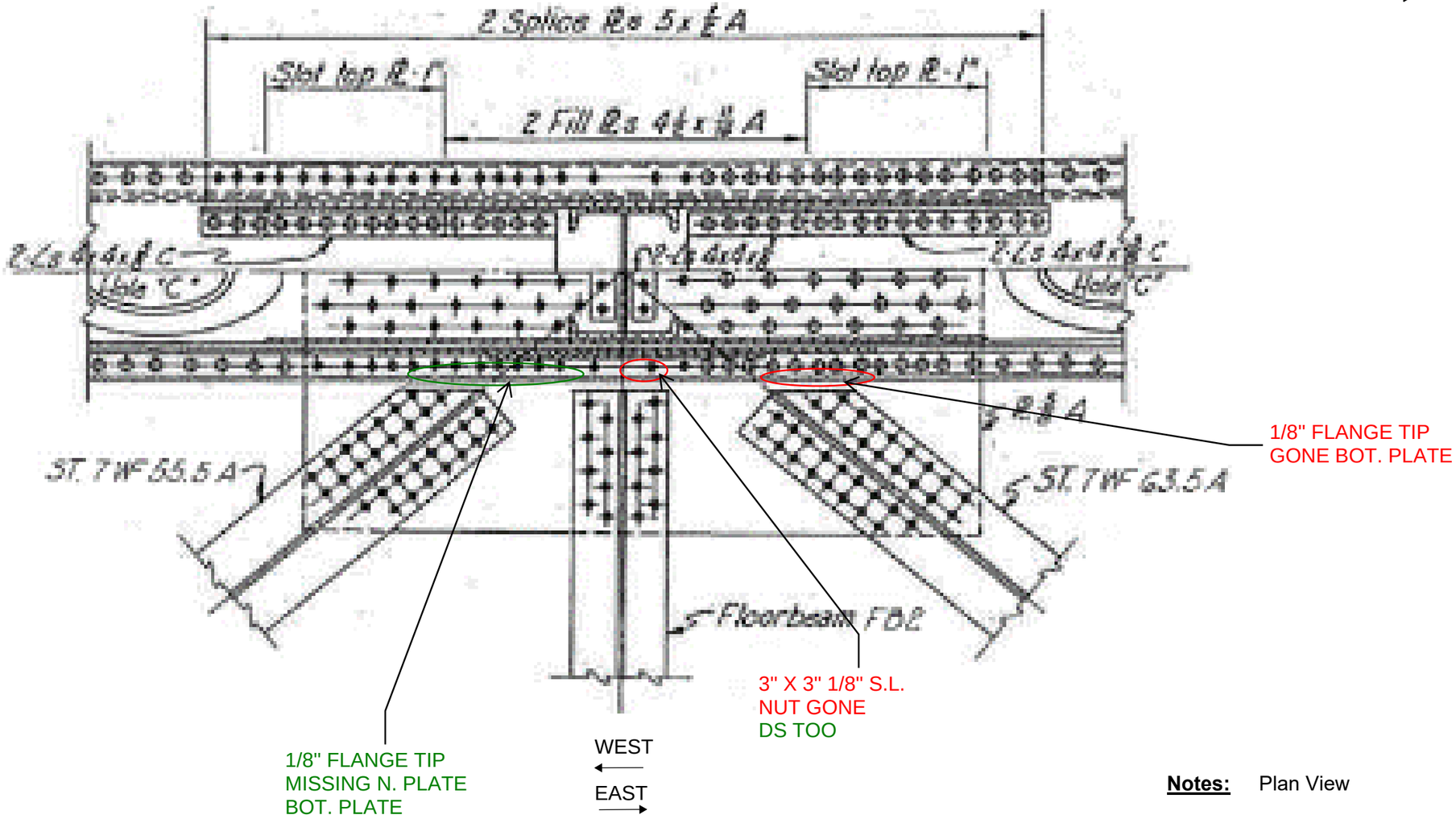
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 46

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L46

L47 ←

→ L45

US UPSTREAM
DS DOWNSTREAM
Photo Number



Notes: Plan View

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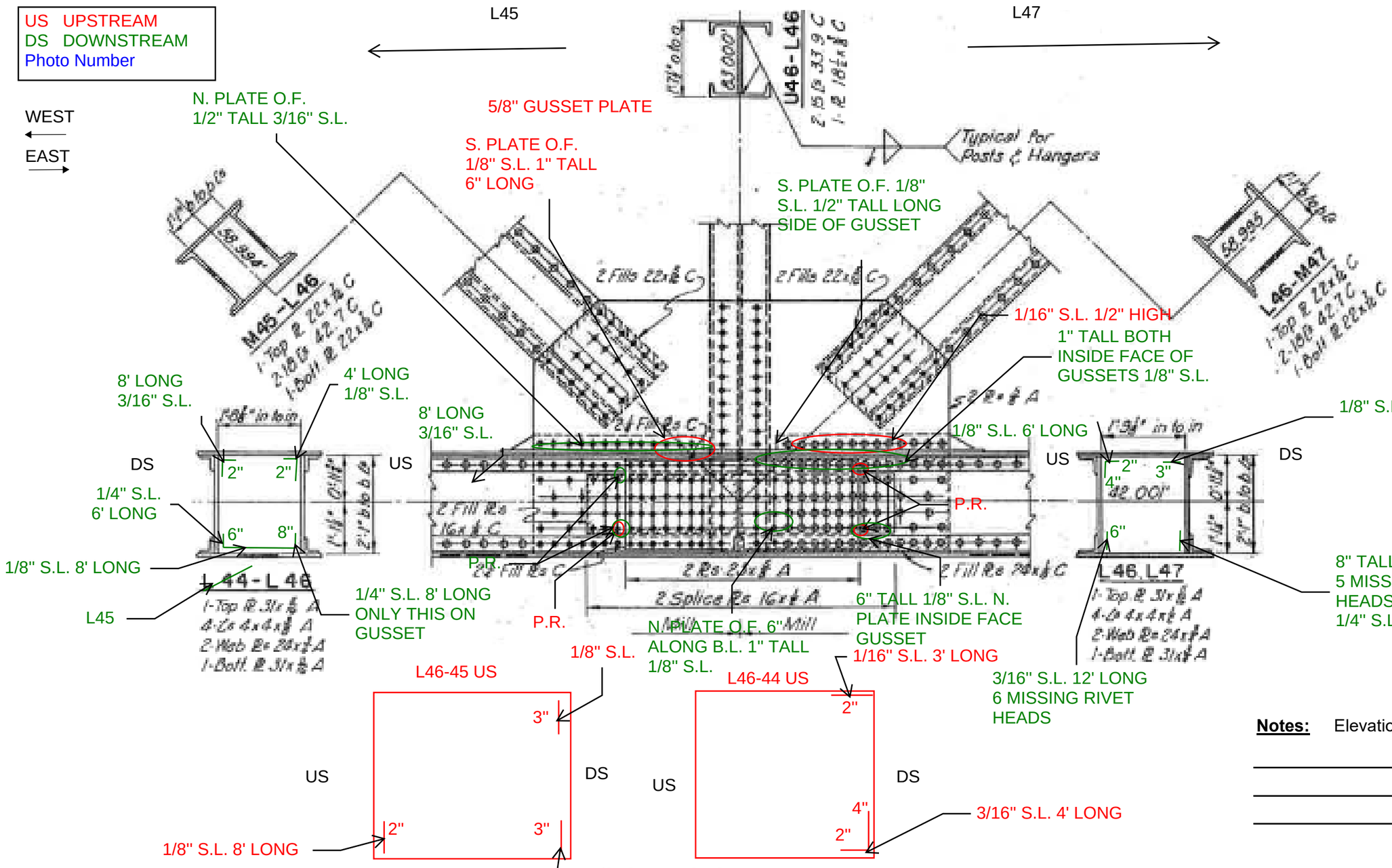
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/10/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 3 Truss location L 46

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L46

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. _3_ Truss location_L 47_

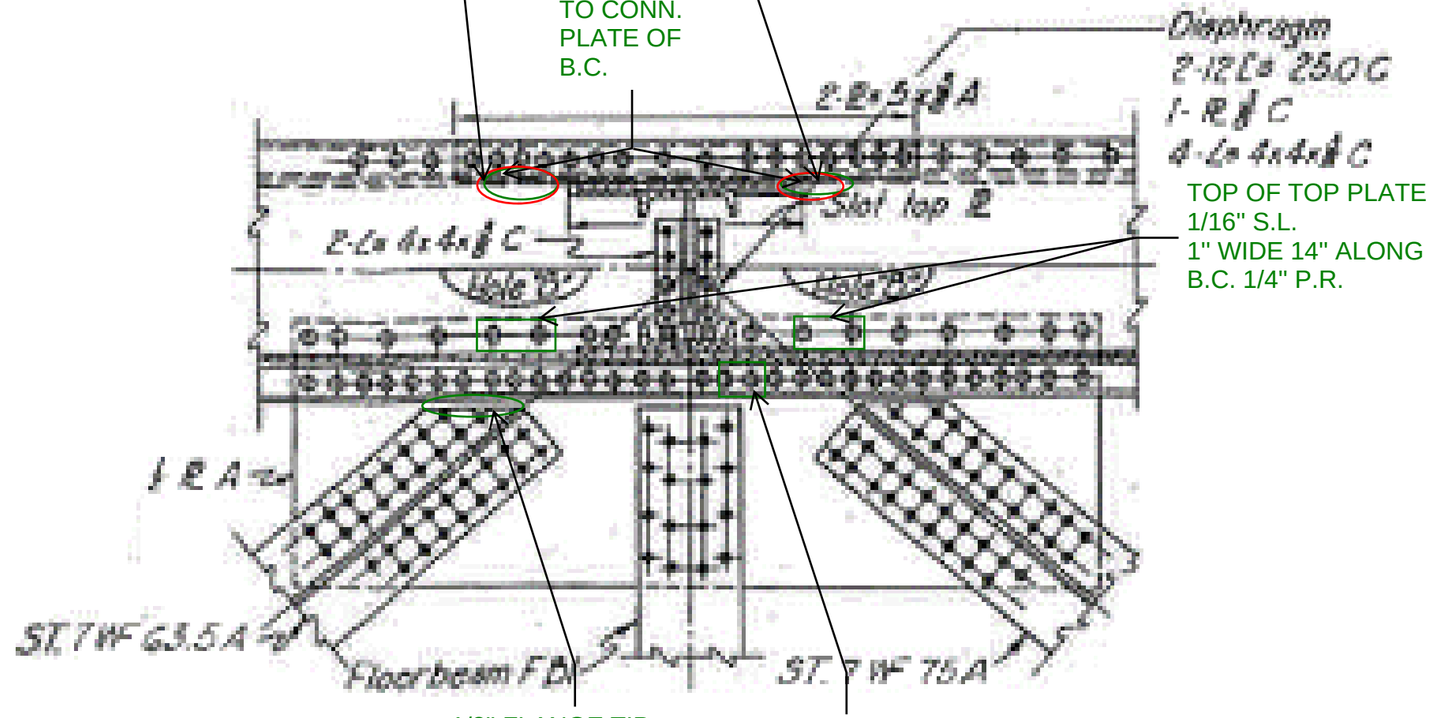
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L47

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST

L48

L46



1/8" P.R. TOP PLATE TO CONN PLATE

1/4" P.R. TOP PLATE TO CONN. PLATE OF B.C.

TOP OF TOP PLATE 1/16" S.L. 1" WIDE 14" ALONG B.C. 1/4" P.R.

1/8" FLANGE TIP MISSING BOTTOM PLATE US TOO

3" X 3" 1/8" S.L. TOP OF BOT. ANGLE

Notes: Plan View

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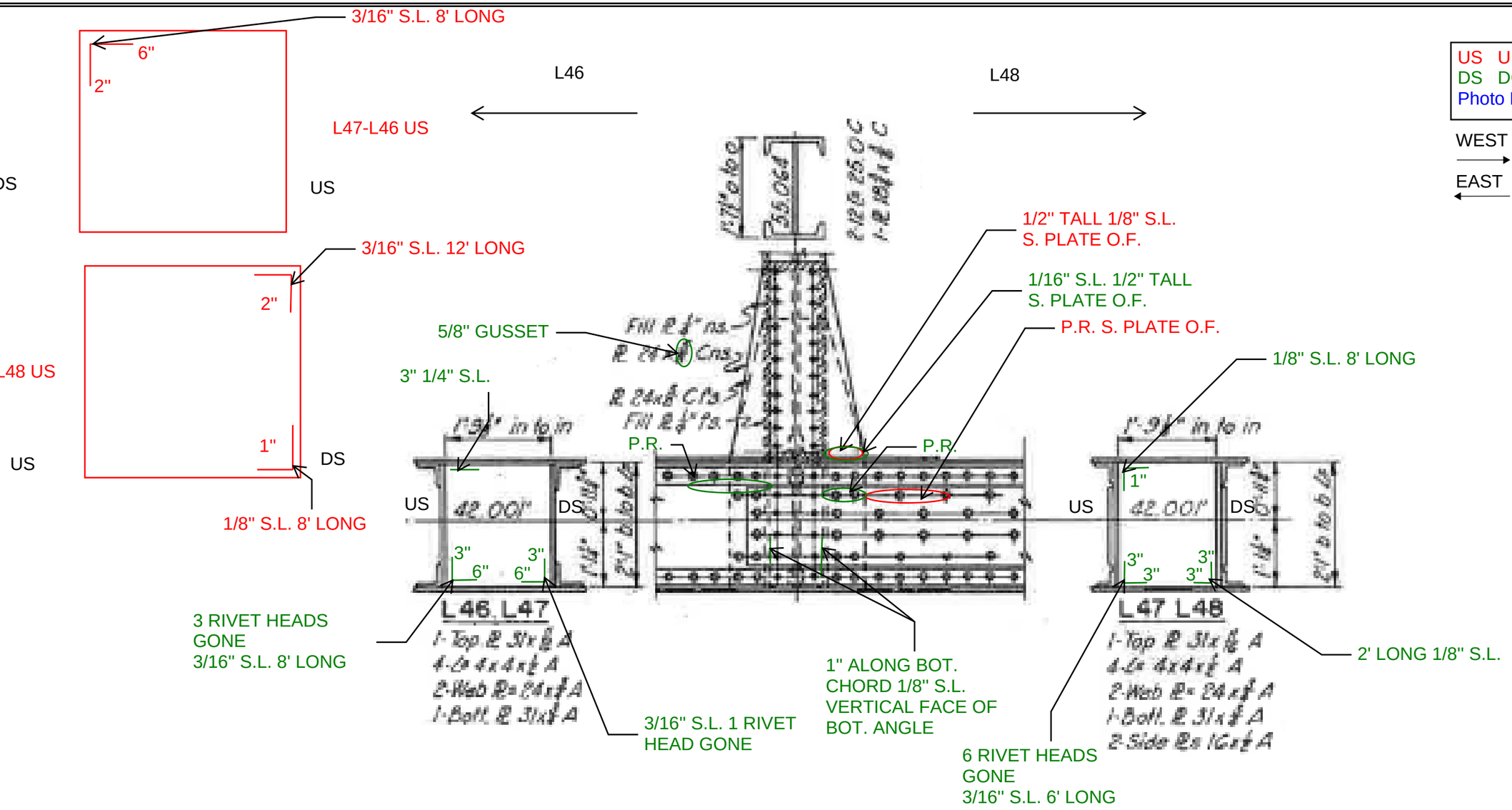
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 Truss location L 47

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L47



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

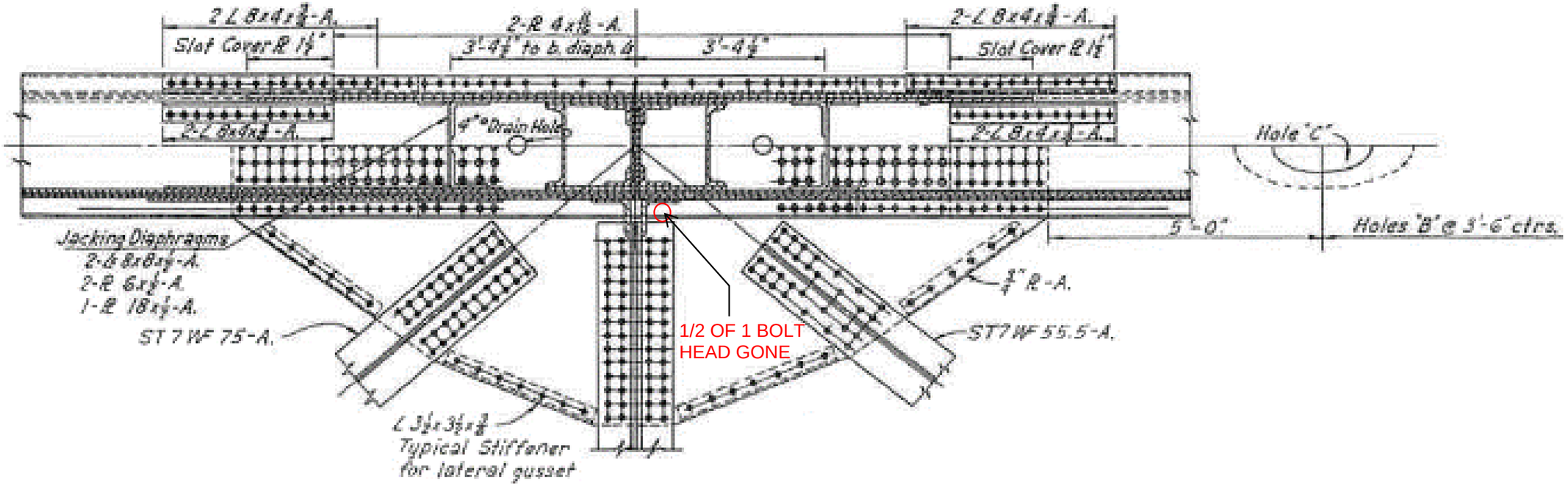
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L48

Span No. 3 - 4 Truss location L 48

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST

L49



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 3 - 4 Truss location L 48

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L48

Back to L64
Elevation View L64'!A1

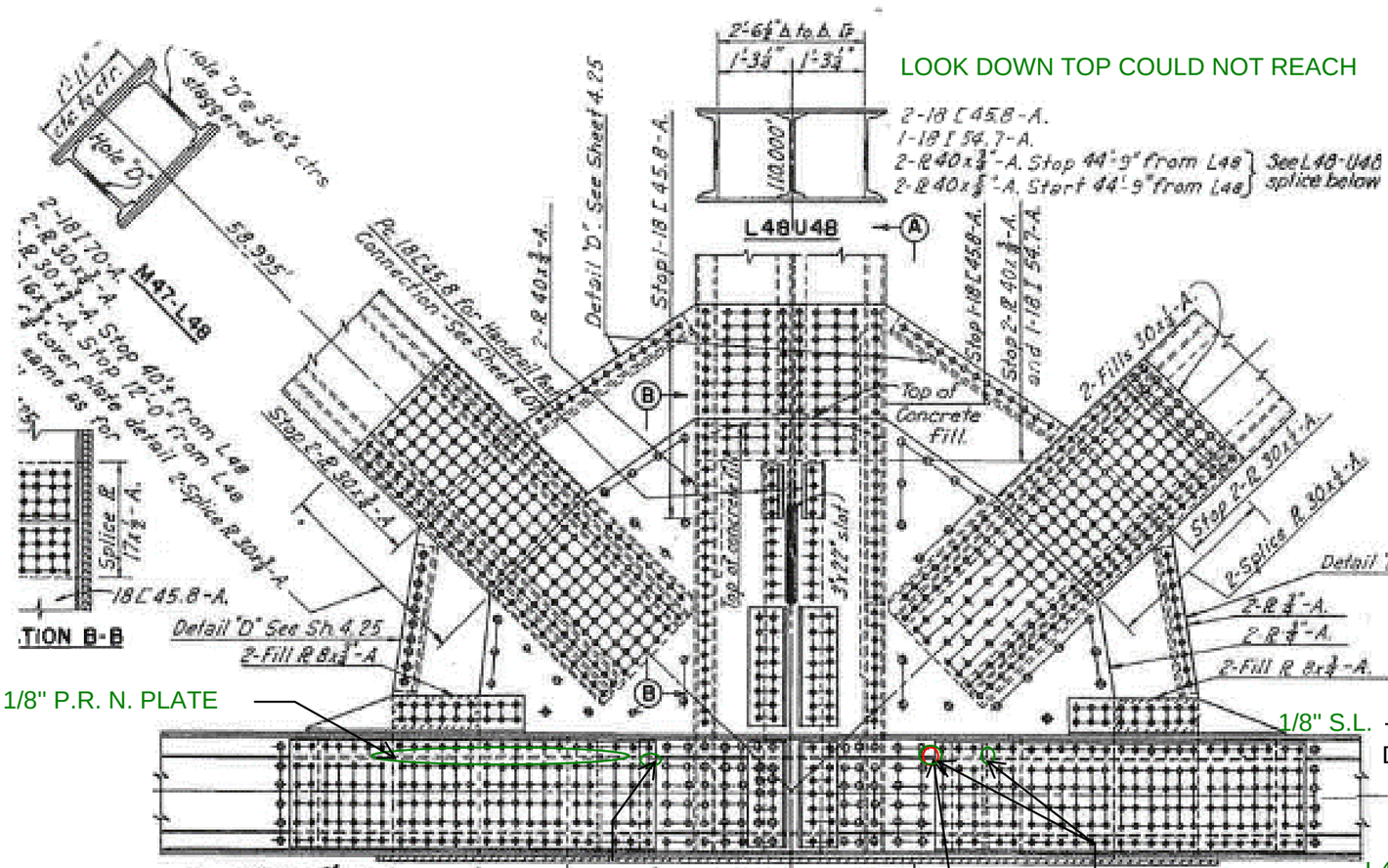
L47 ⟵

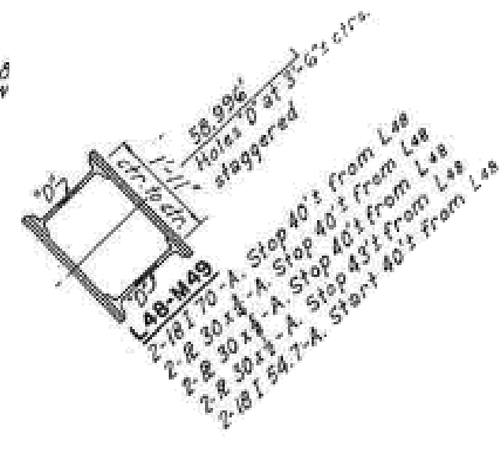
L49 ⟶

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST ⟶
EAST ⟵

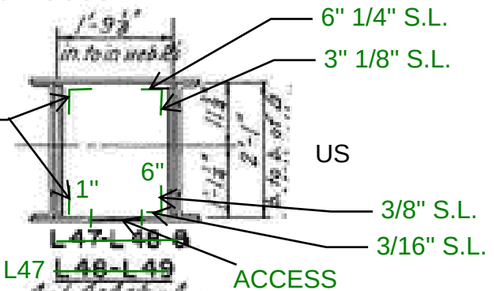
LOOK DOWN TOP COULD NOT REACH





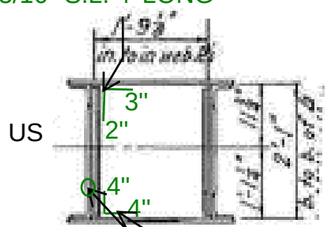
L48- L47 DS

3/4" GUSSET



L48-L49

3/16" S.L. 4' LONG



1/4" S.L. 4' LONG
8 RIVET HEADS GONE VERTICAL FACE
1/8" S.L. HORIZONTAL FACE

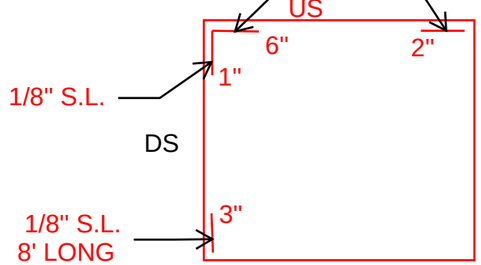
1/4" P.R. BOT. OF EXT. WEB PLATE L47-L48

1/8" P.R. N. PLATE

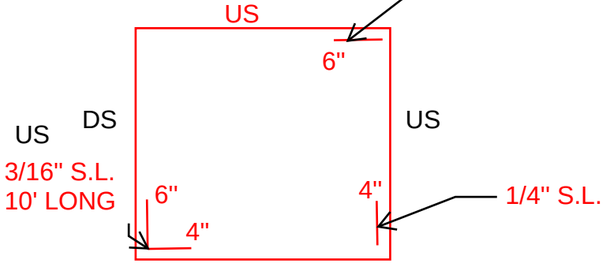
N. PLATE O.F. P.R. US TOO S. PLATE O.F.

P.R. N. PLATE O.F.

1/4" S.L. 3' LONG



1/8" S.L. 4' LONG



Notes: Elevation View

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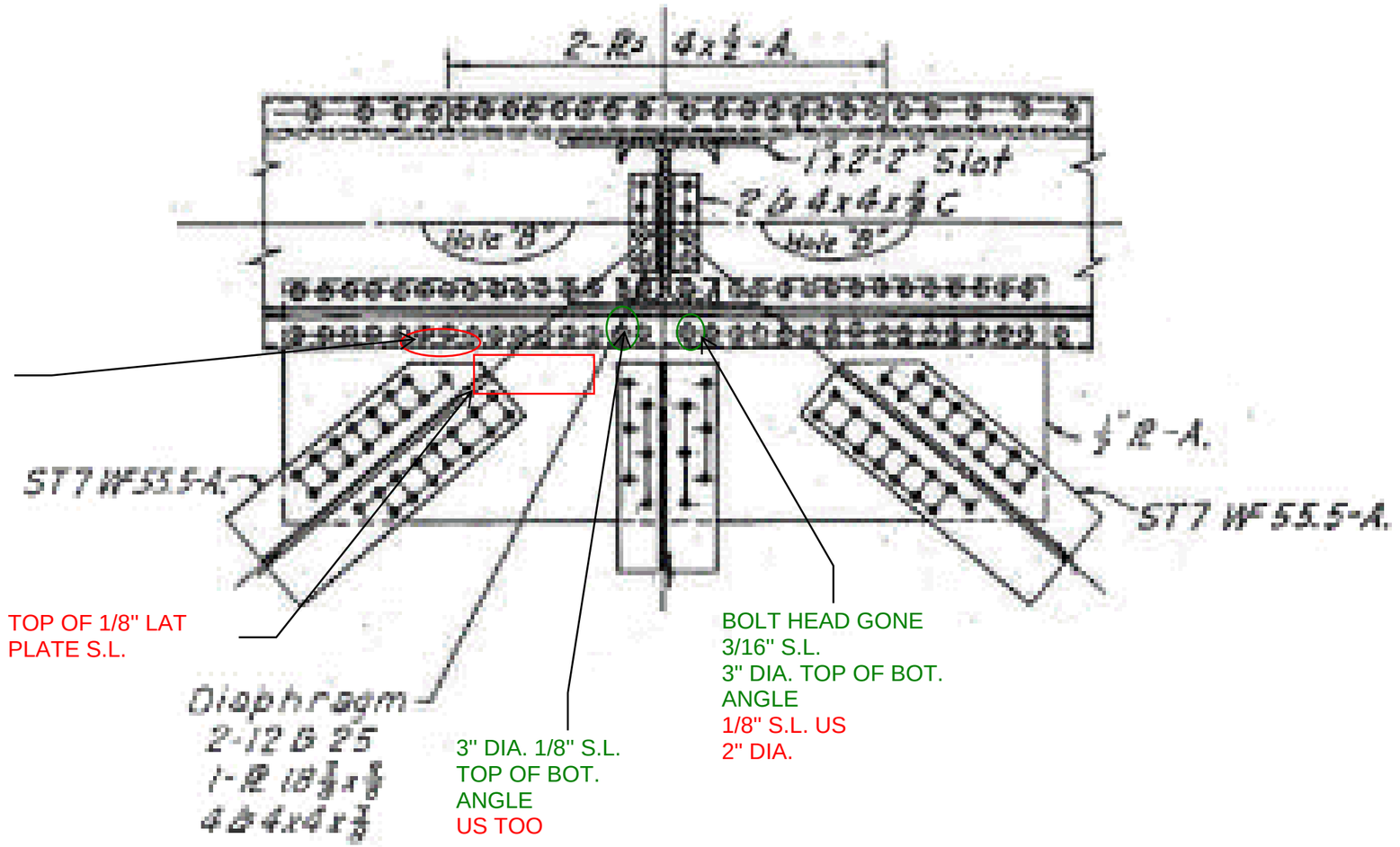
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 49

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L49

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST

L56



1/4" FLANGE TIP MISSING

TOP OF 1/8" LAT PLATE S.L.

3" DIA. 1/8" S.L. TOP OF BOT. ANGLE US TOO

BOLT HEAD GONE
3/16" S.L.
3" DIA. TOP OF BOT. ANGLE
1/8" S.L. US
2" DIA.

Notes: Plan View

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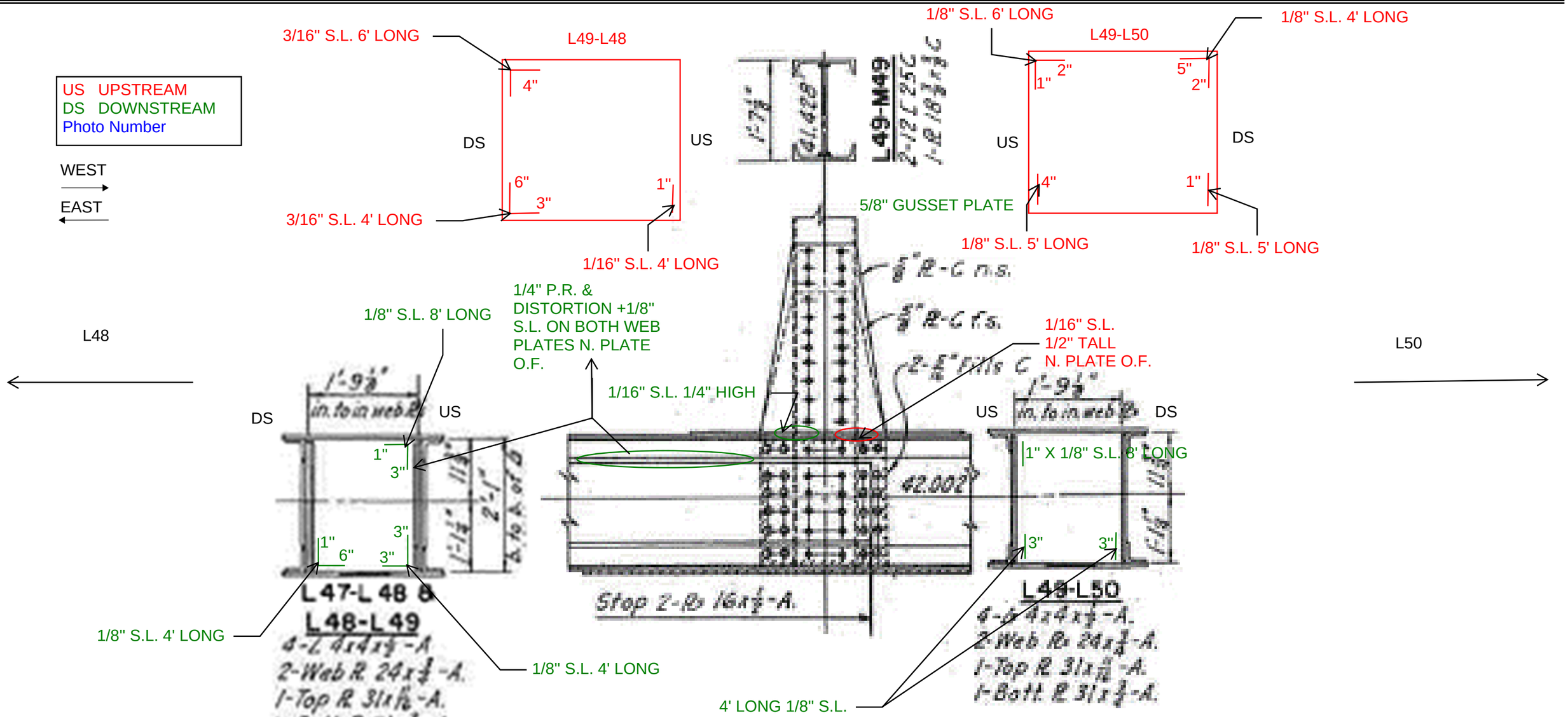
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/10/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 49

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L49

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST →
EAST ←



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 50

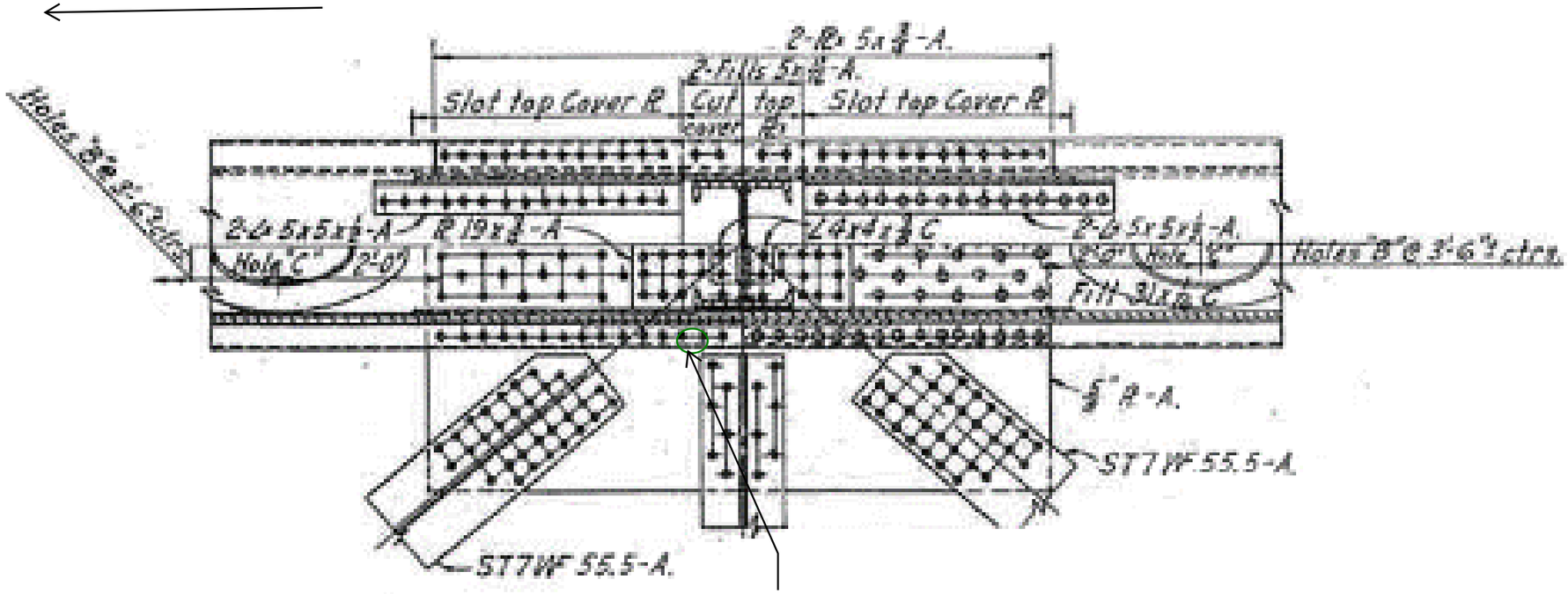
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L50

Back to L66
Plan View L66'!A1

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST

L51



1/8" S.L. TOP OF BOTTOM ANGLE 3" X 3"

Notes: Plan View

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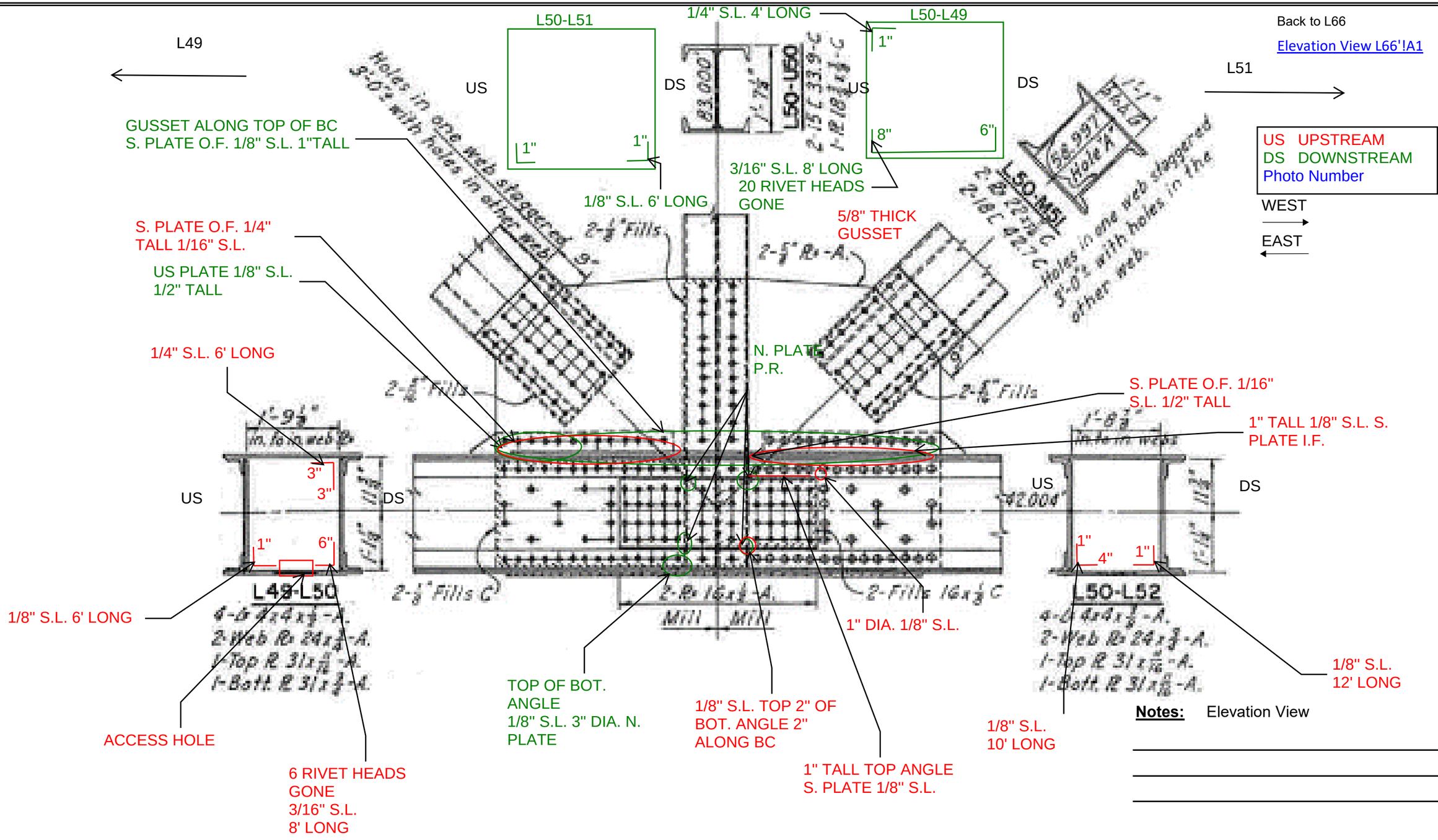
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 50

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L50



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L51

Span No. _4_ Truss location_ L 51_

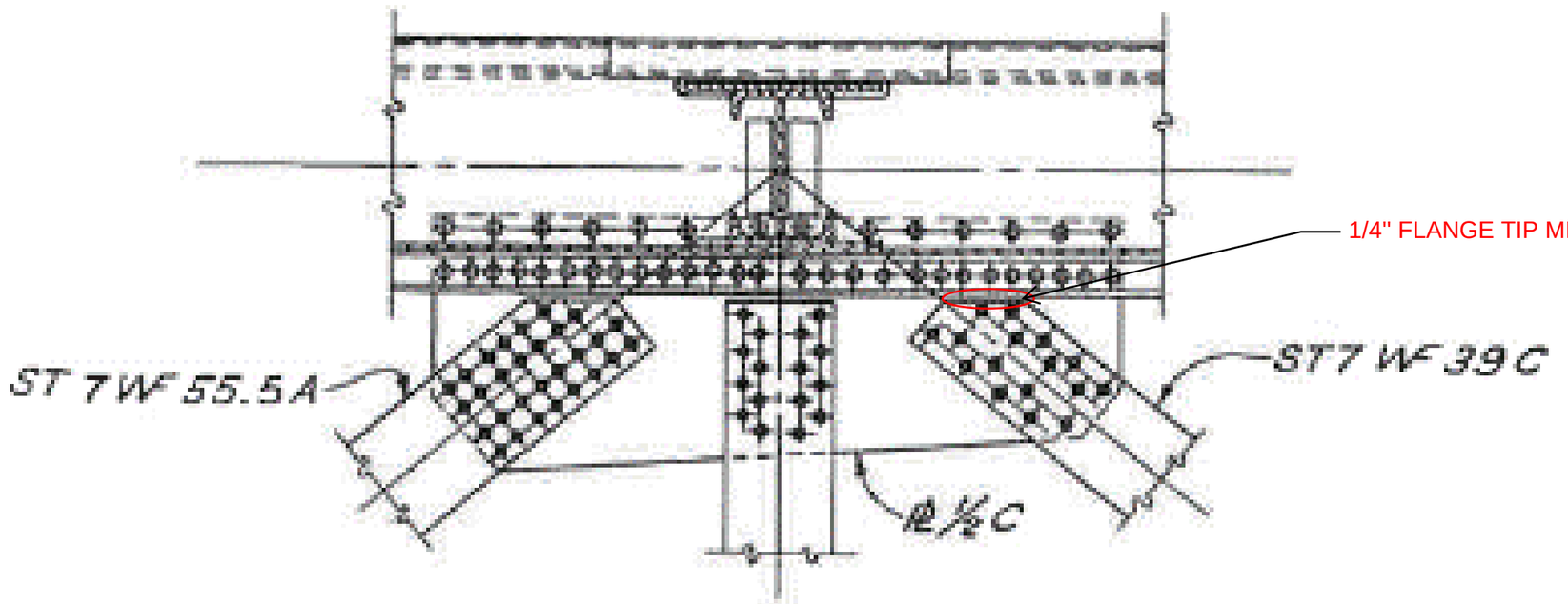
Details of conection not shown are similar to L7

Plan View L7'!A1

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST →
EAST ←

L52 →



Notes: Plan View

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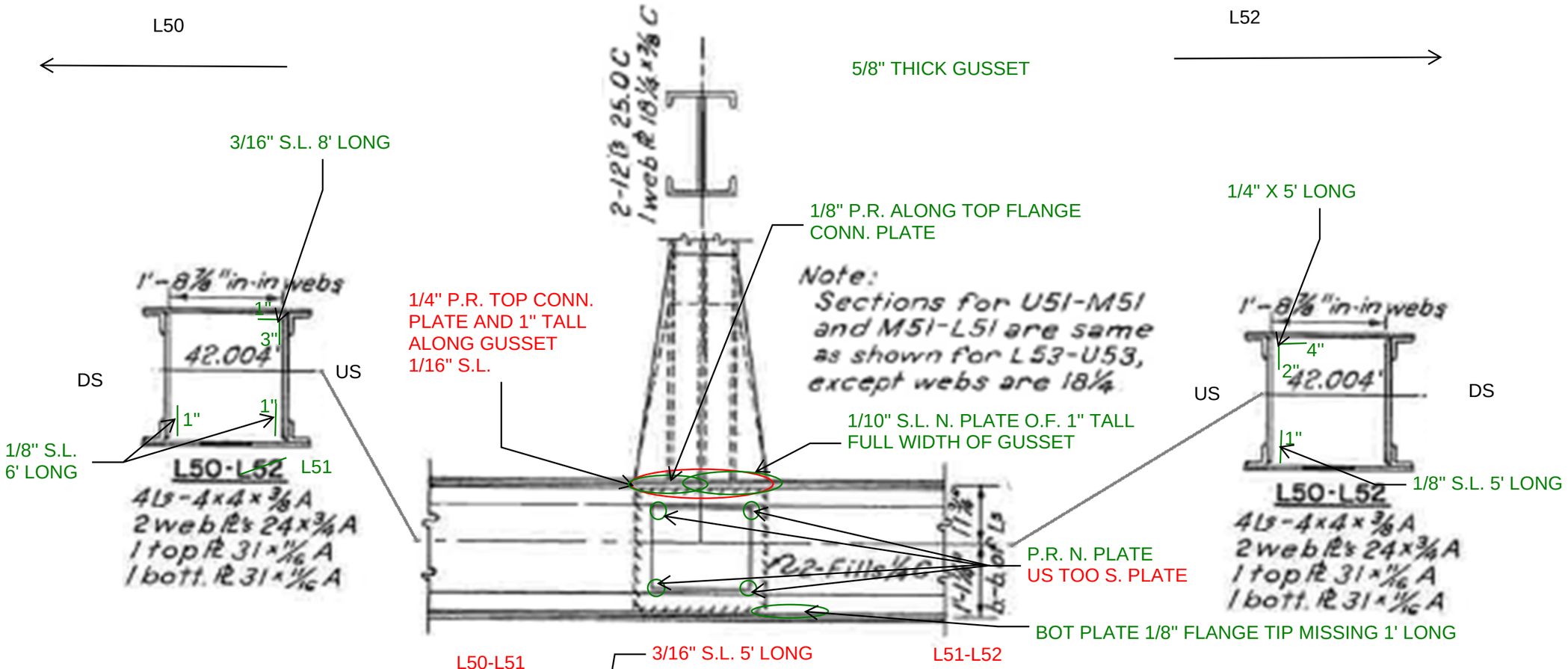
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/10/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 51

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L51

US UPSTREAM
DS DOWNSTREAM
Photo Number

Details of conection not shown are similar to L7

Elevation View L7'!A1



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/10/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 52

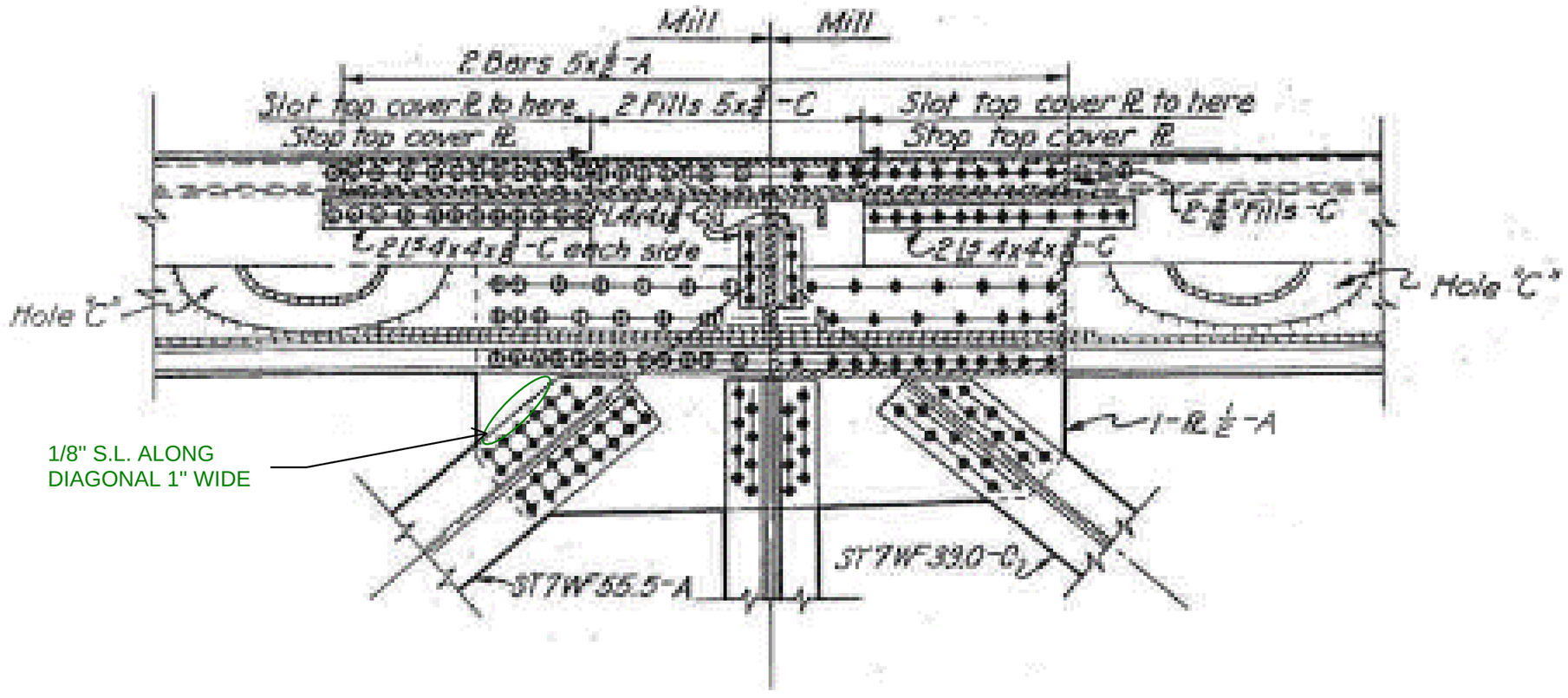
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L52

US UPSTREAM
DS DOWNSTREAM
Photo Number

L53

WEST

EAST



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/10/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 52

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L52

Details of conection not shown are similar to L34

Elevation View L34'!A1

WEST → EAST ←

US UPSTREAM
DS DOWNSTREAM
Photo Number

L51

L53

S. PLATE
FULL LENGTH
1/16" S.L. 1/2" TALL
ON GUSSET PLATE
ALONG TOP CHORD
1" TALL 1/8" S.L.
N. PLATE OUTSIDE
FACE

N. PLATE 6" LONG
1" WIDE
TOP OF TOP PLATE
BETWEEN FB
CONN. PLATE AND
GUSSET
1/8" S.L.

N. GUSSET 1" TALL 1" LONG
1/16" S.L.

1" TALL 1/16" S.L.
S. PLATE O.F.

1/16" S.L.
1" TALL S. PLATE

1/8" 6' LONG

3/16" S.L. TOP & I.F.
VERTICAL 1" TALL,
1" BOT OF TOP
PLATE
S. PLATE GUSSET

3/16" S.L. 8' LONG

1" TALL 1/8" S.L. 4'
LONG

P.R.
US TOO

P.R.
US TOO

1/8" 1' LONG

1/8" S.L. 3' LONG

1/8" S.L. TOP OF
BOT. ANGLE 2" DIA.

1/8" S.L. 12' LONG

1/4" FLANGE TIP
MISSING BOT.
ANGLE AND BOT.
PLATE S. EDGE

L52-L51

1/4" S.L. 8' LONG

3/16" S.L.
4' LONG

1/4" S.L.
12' LONG

L52-L53

8' LONG 1/8" S.L.

Notes: Elevation View

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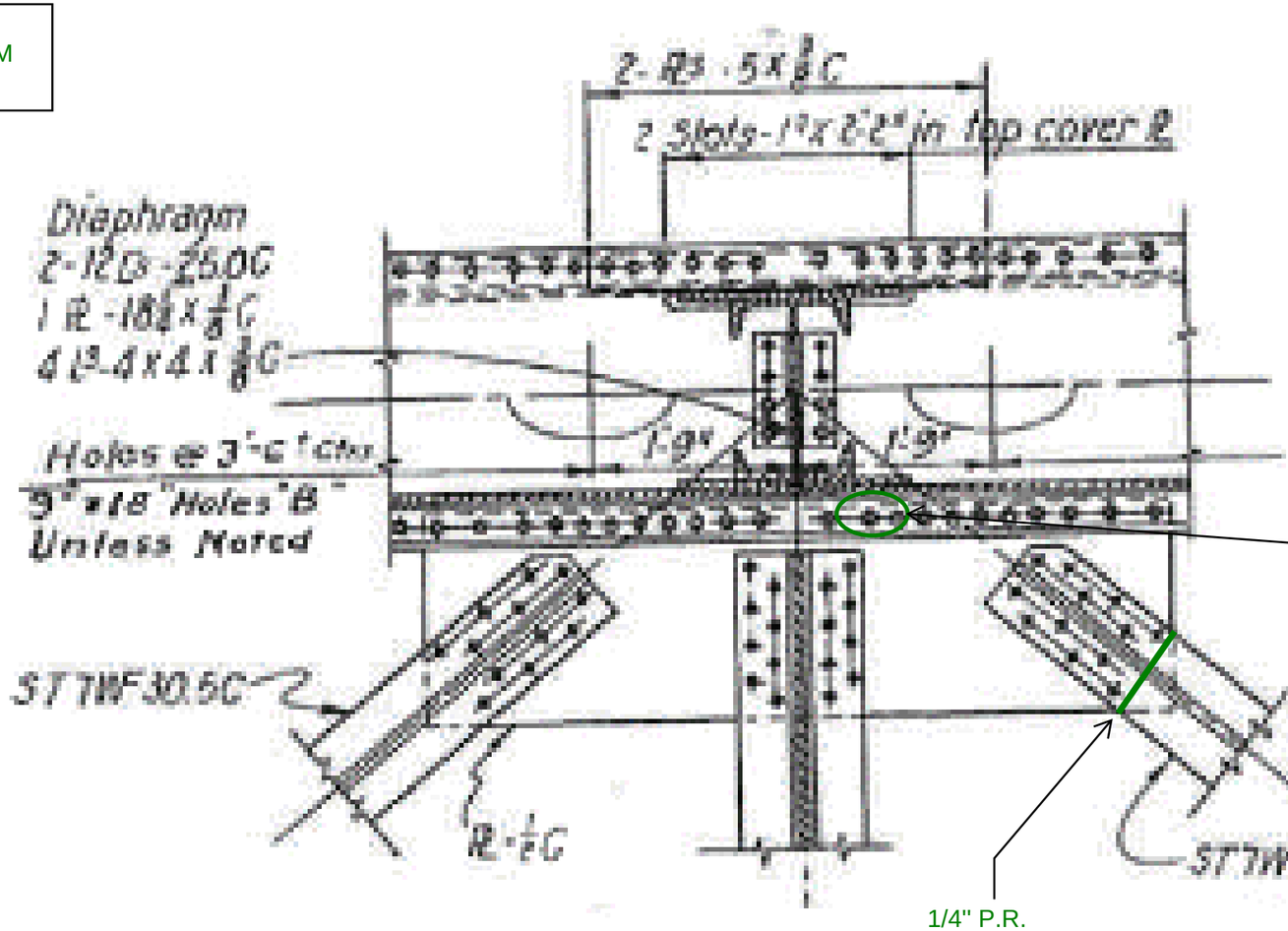
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/09/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 53

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L53

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST
EAST

L52



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05/09/2022
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 53

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L53

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST →
EAST ←

DS

L52 ←

1/8" S.L. 6' LONG
1/4" S.L. 8' LONG
L53-L52
1/2"
3"
2"
1"
1"
4"
4"
1/4" S.L. 6' LONG
1/4" S.L. 6' LONG

US

L53-U53
2-1/2 x 2 x 5/16 C
1 web @ 18-1/2 x 5/16 C

5/8" GUSSET

N. PLATE 1/16" S.L. 1/2" WIDE ALONG CONN.
1/8" S.L. 4' LONG
1/8" S.L. 8' LONG
1'-8⅝" in-in webs
DS
US
1"
1"
42.006"
1/8" S.L. 3' LONG
2"
L52-L54
4Ls-4x4x⅜ C
2 web Pl's 24 x ⅝ C
1 top Pl 31 x ⅜ C
1 bott Pl 31 x ⅝ C
L53

P.R. S. PLATE O.F.
P.R. N. PLATE
2-Fills ⅝ C

L 53
Connection similar to details shown for L5, sh. 4.24

L54 →

Details of conection not shown are similar to L5

Elevation View L5'!A1

1/8" S.L. 8' LONG
L53-L54
1/8" S.L. 8' LONG
1"
1"
DS
US
1"
1/4" S.L. 4' LONG

1'-8⅝" in-in webs
1" TALL 1/8" S.L. 12' LONG
US
42.006"
DS
L52-L54
L53
4Ls-4x4x⅜ C
2 web Pl's 24 x ⅝ C
1 top Pl 31 x ⅜ C
1 bott Pl 31 x ⅝ C

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 54

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L54

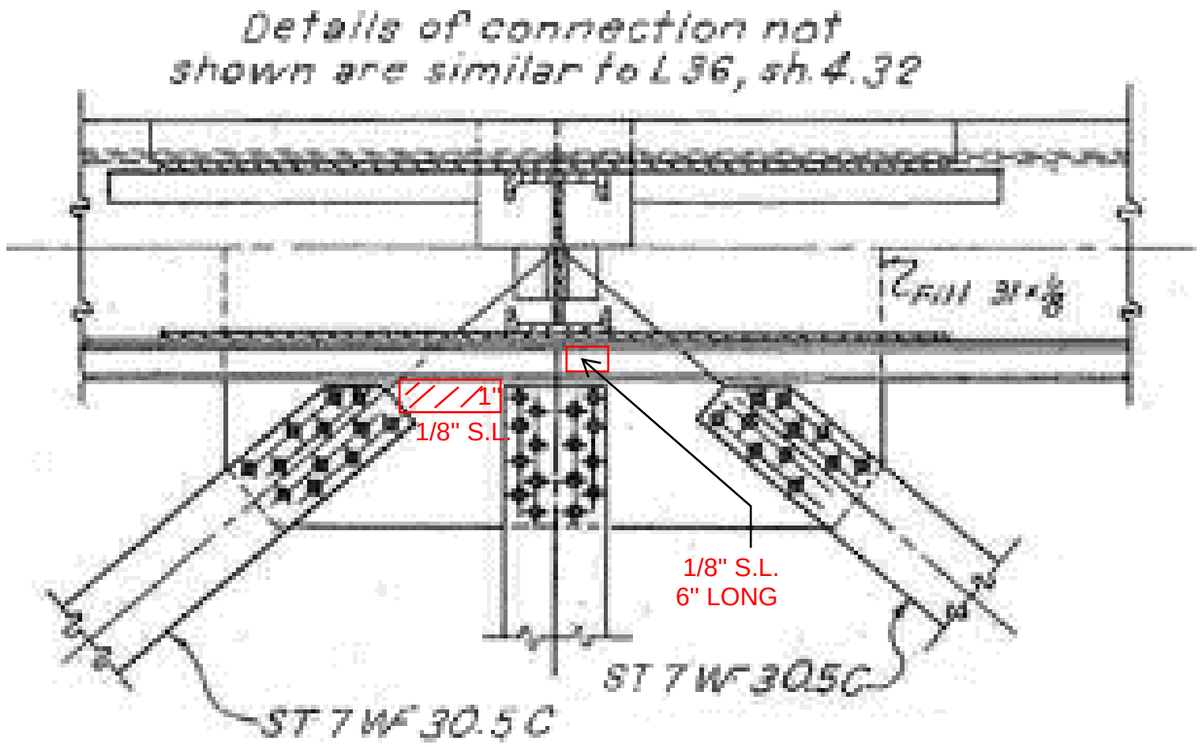
Details of conection not shown are similar to L36

Plan View L36'!A1

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST →
EAST ←

L53 ←



Notes: Plan View

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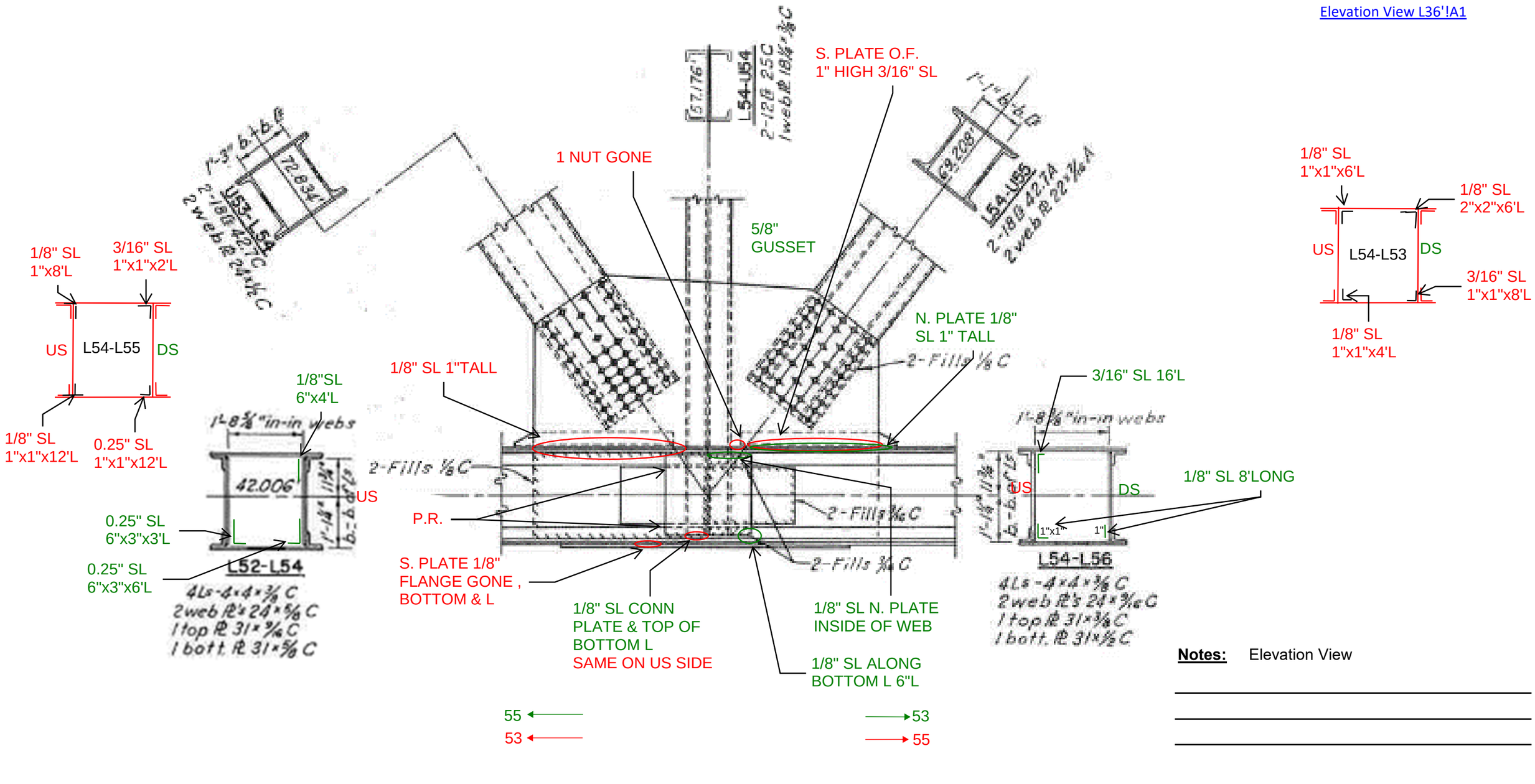
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-91010-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 54

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L54

Details of conection not shown are similar to L36

Elevation View L36'!A1



Notes: Elevation View

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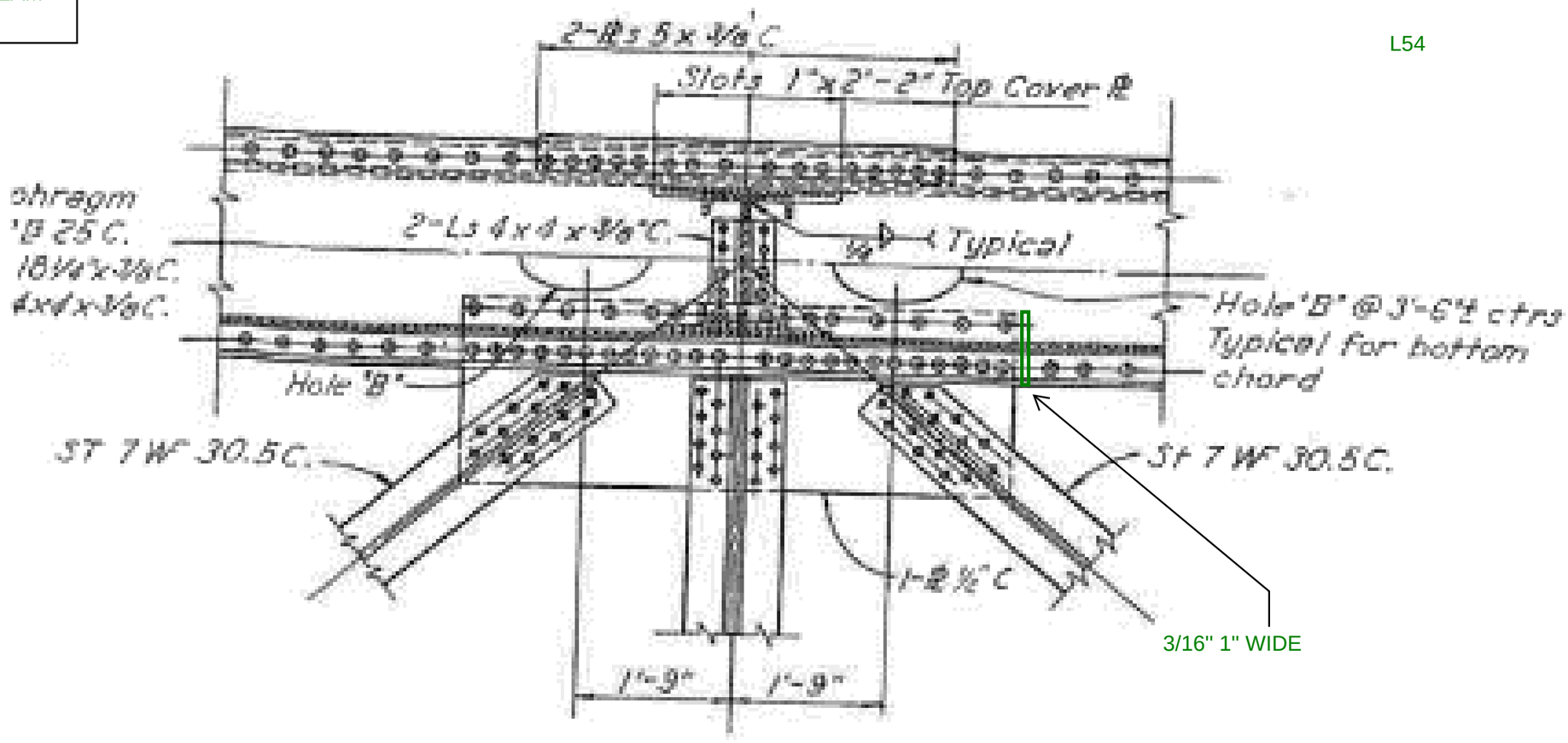
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/09/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 55

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L55

US UPSTREAM
DS DOWNSTREAM
Photo Number

WEST ←
EAST →

L54



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05/09/2022
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 55

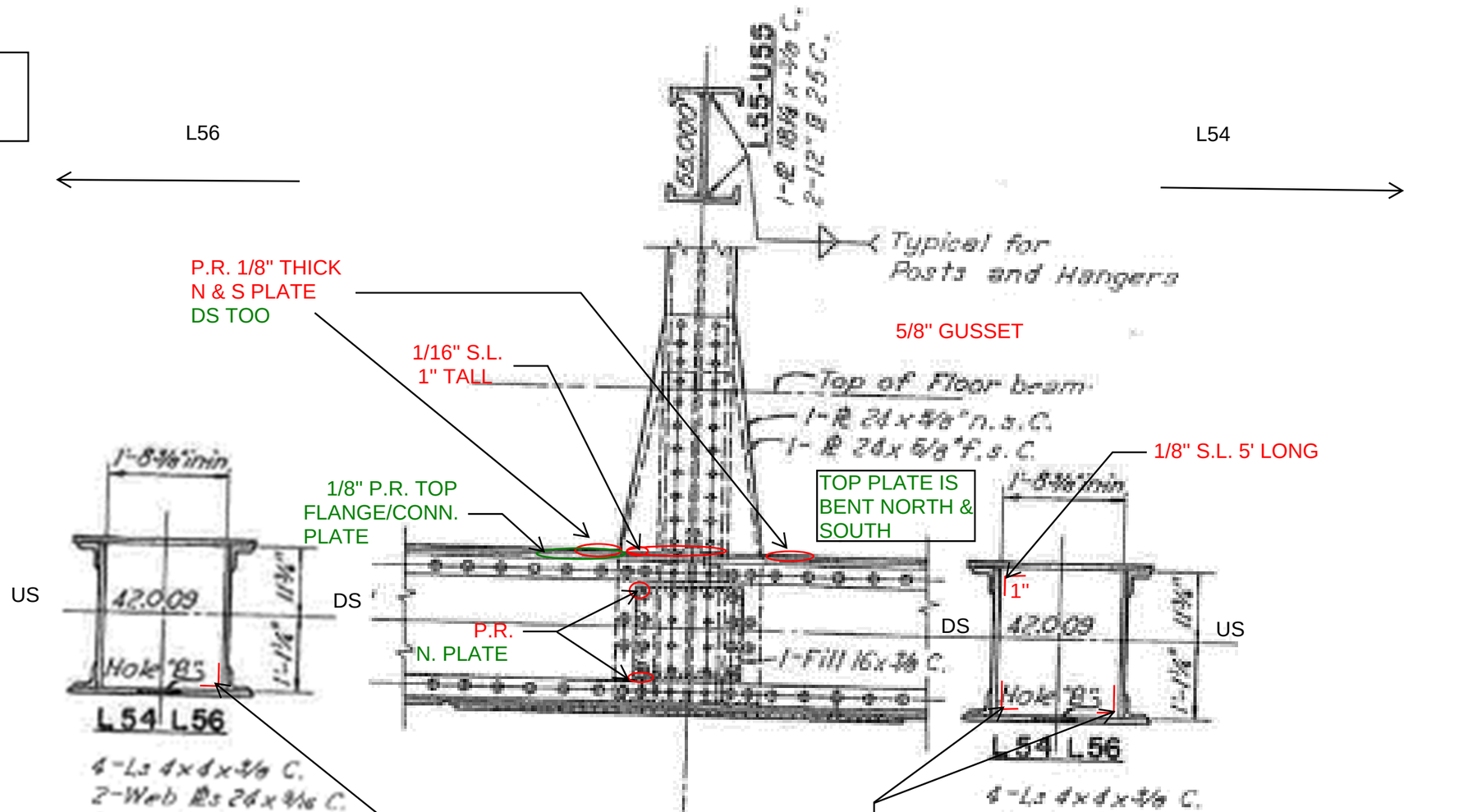
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L55

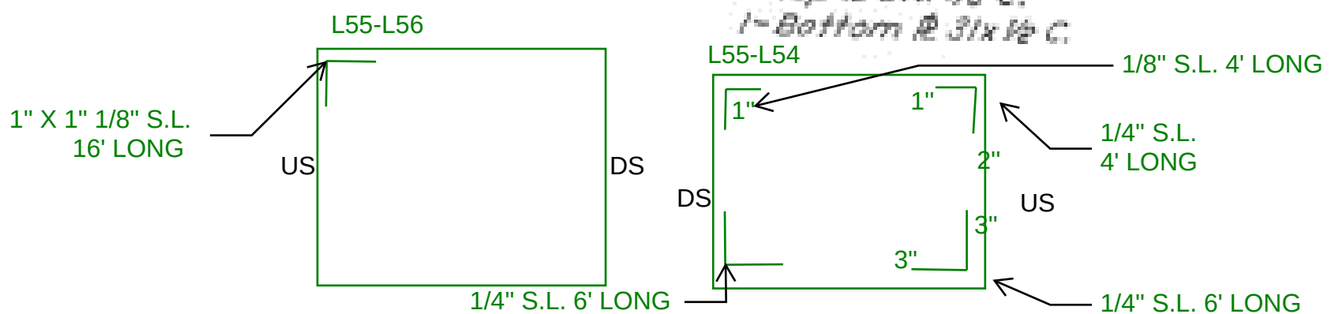
US UPSTREAM
DS DOWNSTREAM
Photo Number

L56

L54

WEST
EAST





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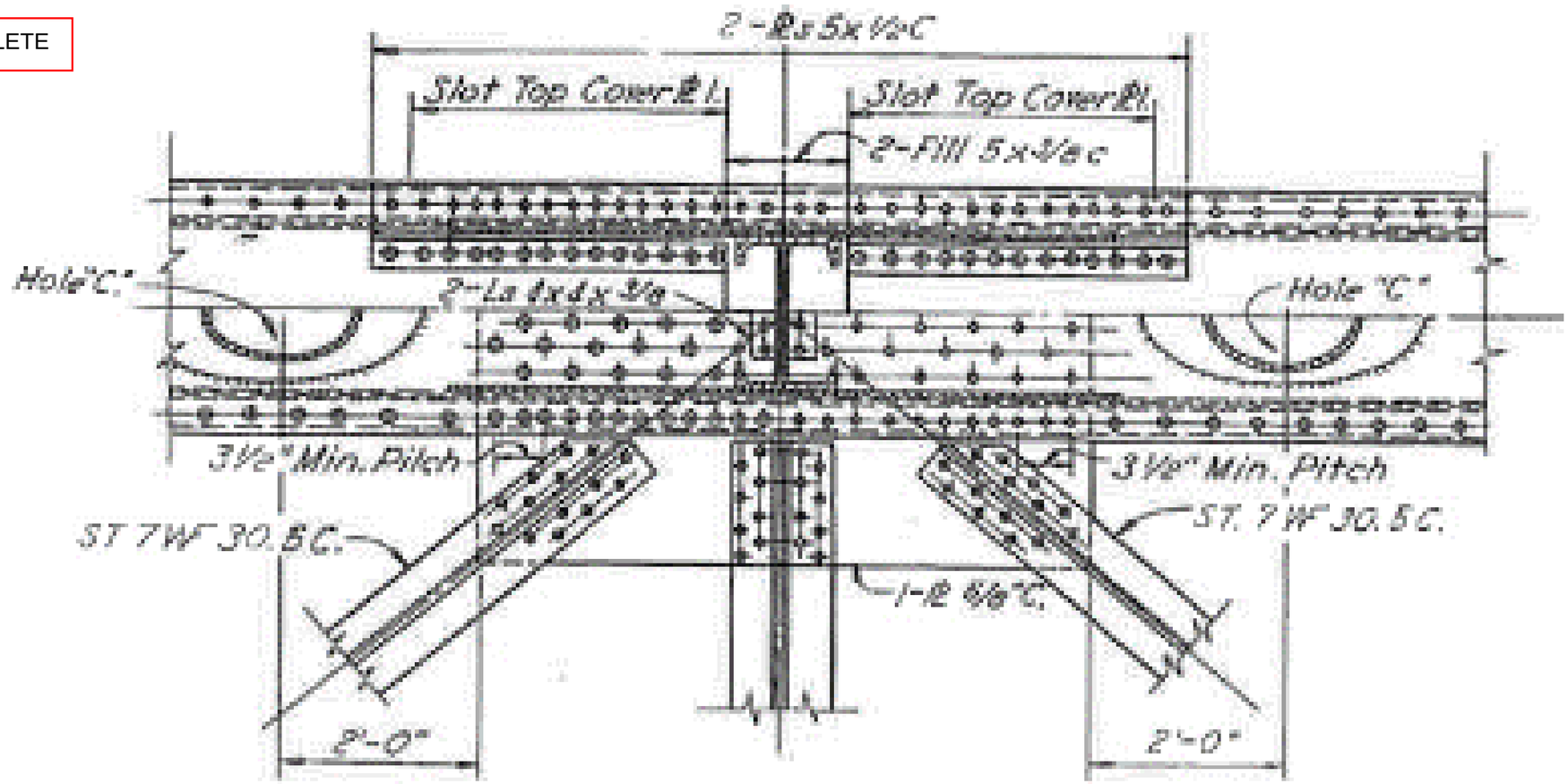
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 56

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L56

UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLETE



Notes: Plan View

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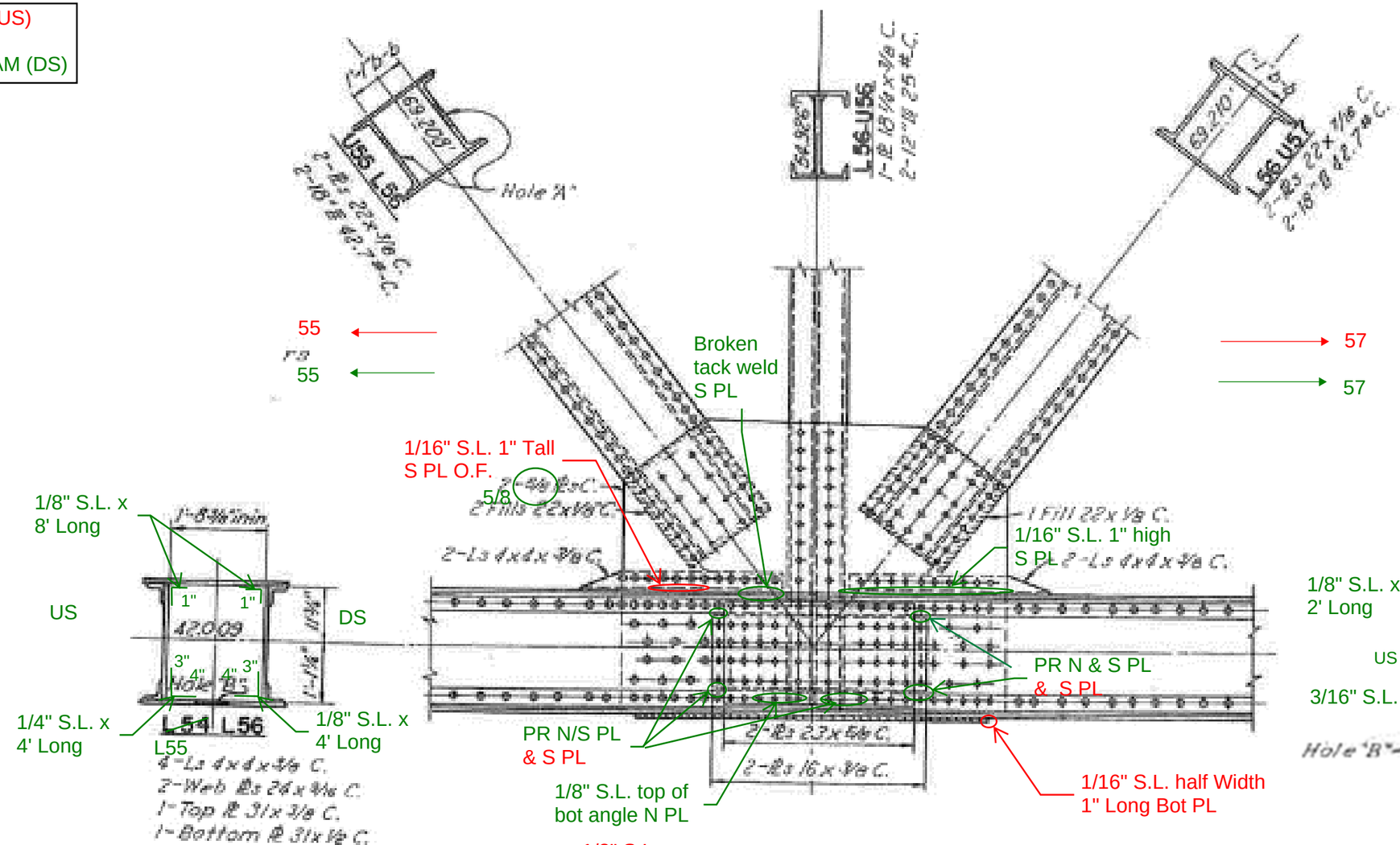
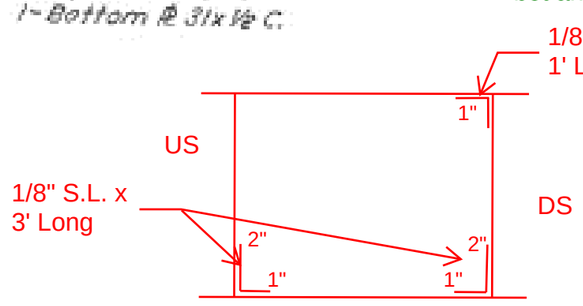
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-9-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 56

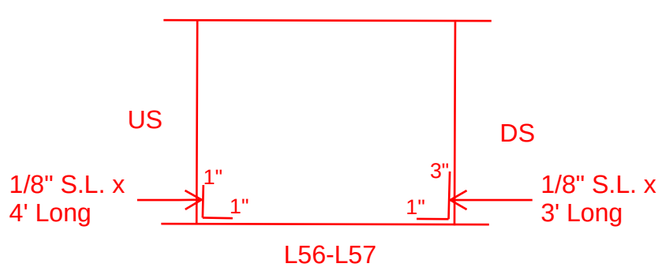
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L56

UP STREAM (US)

DOWN STREAM (DS)







Notes: Elevation View

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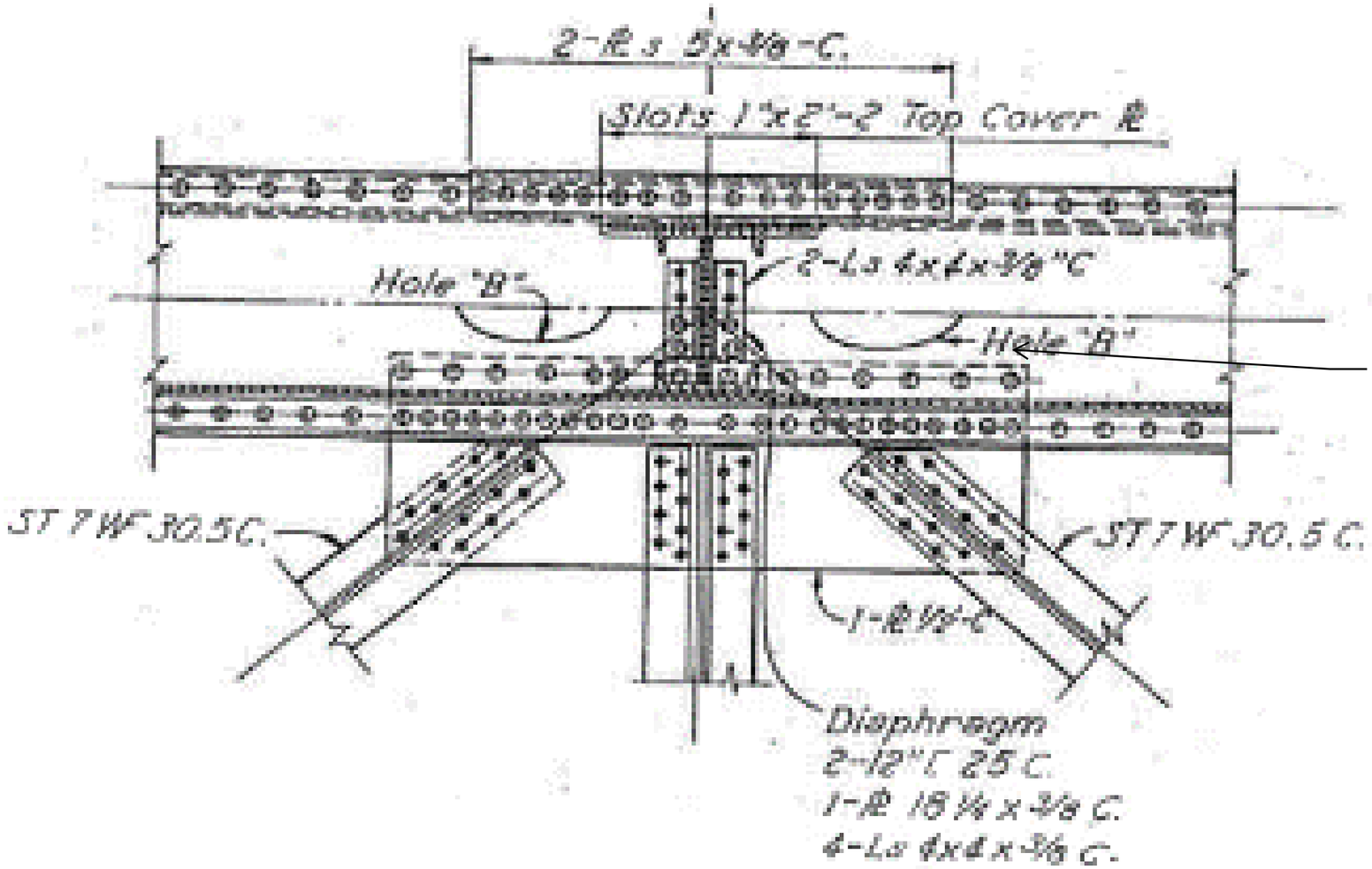
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 57

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L57

UP STREAM (US)

DOWN STREAM (DS)



Notes: Plan View

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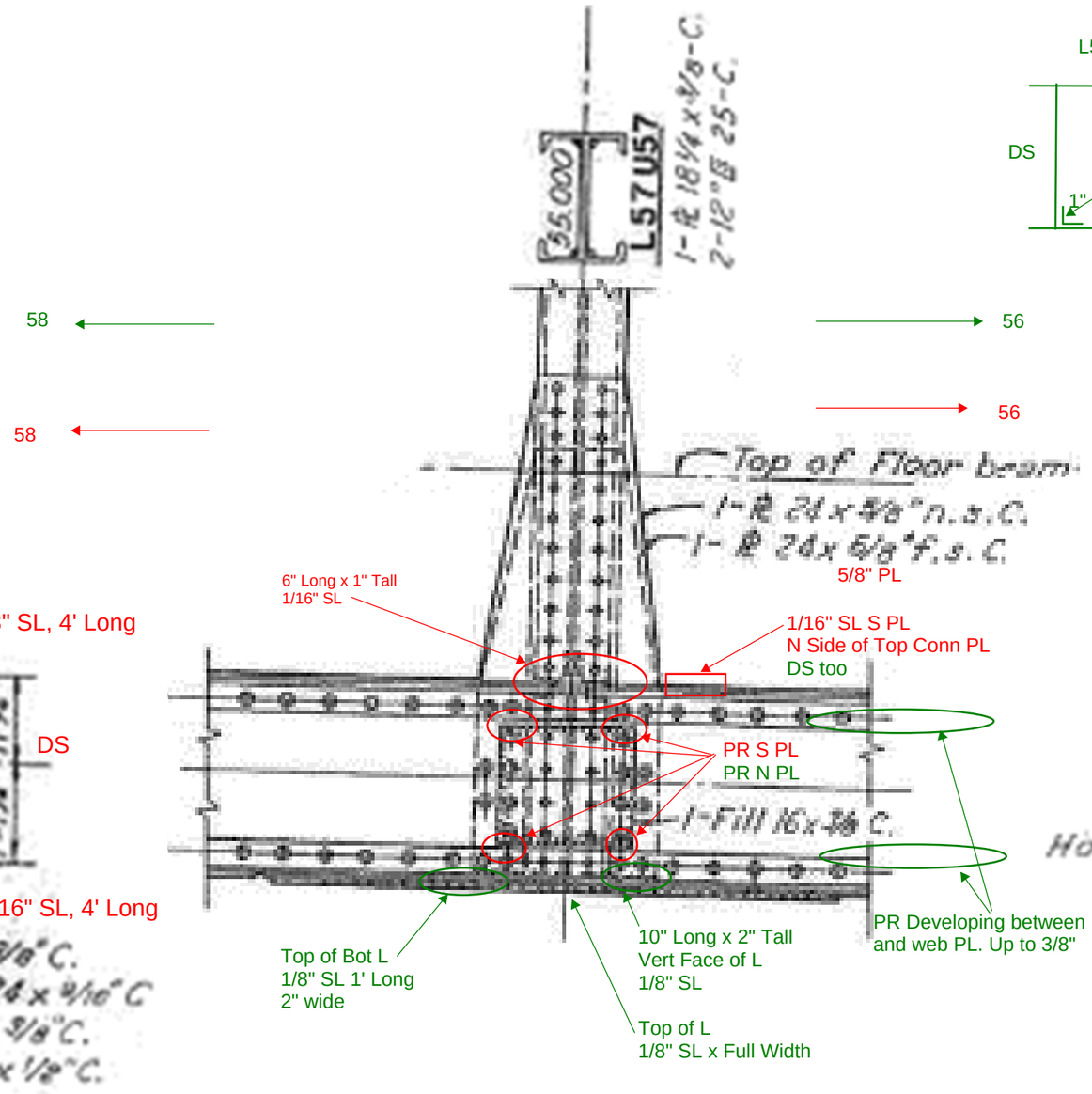
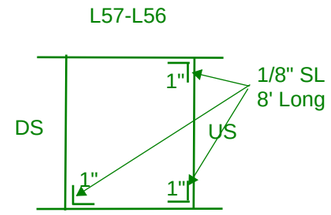
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 57

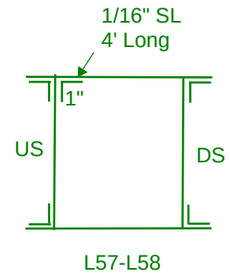
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L57

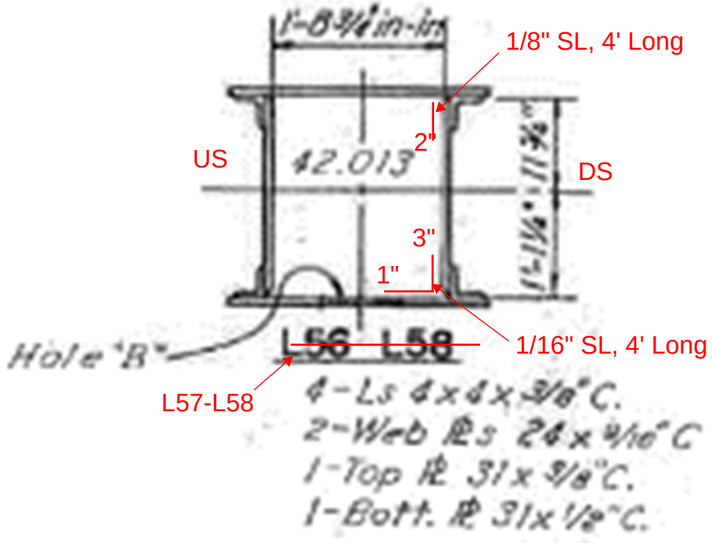
UP STREAM (US)

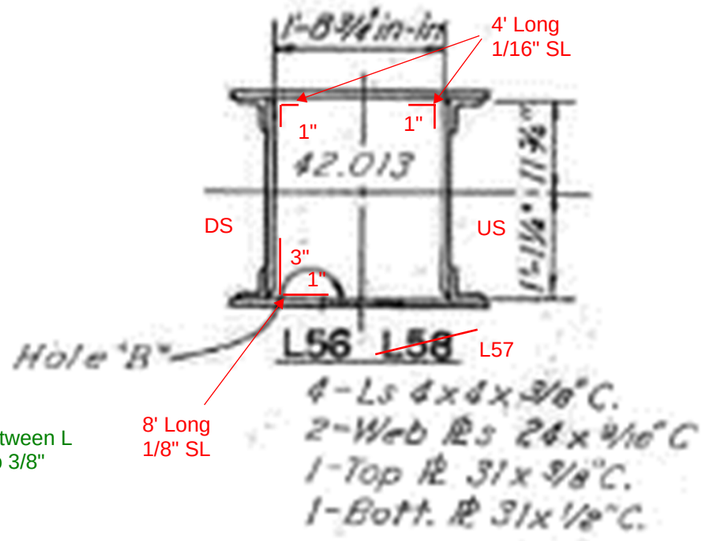
DOWN STREAM (DS)











Notes: Elevation View

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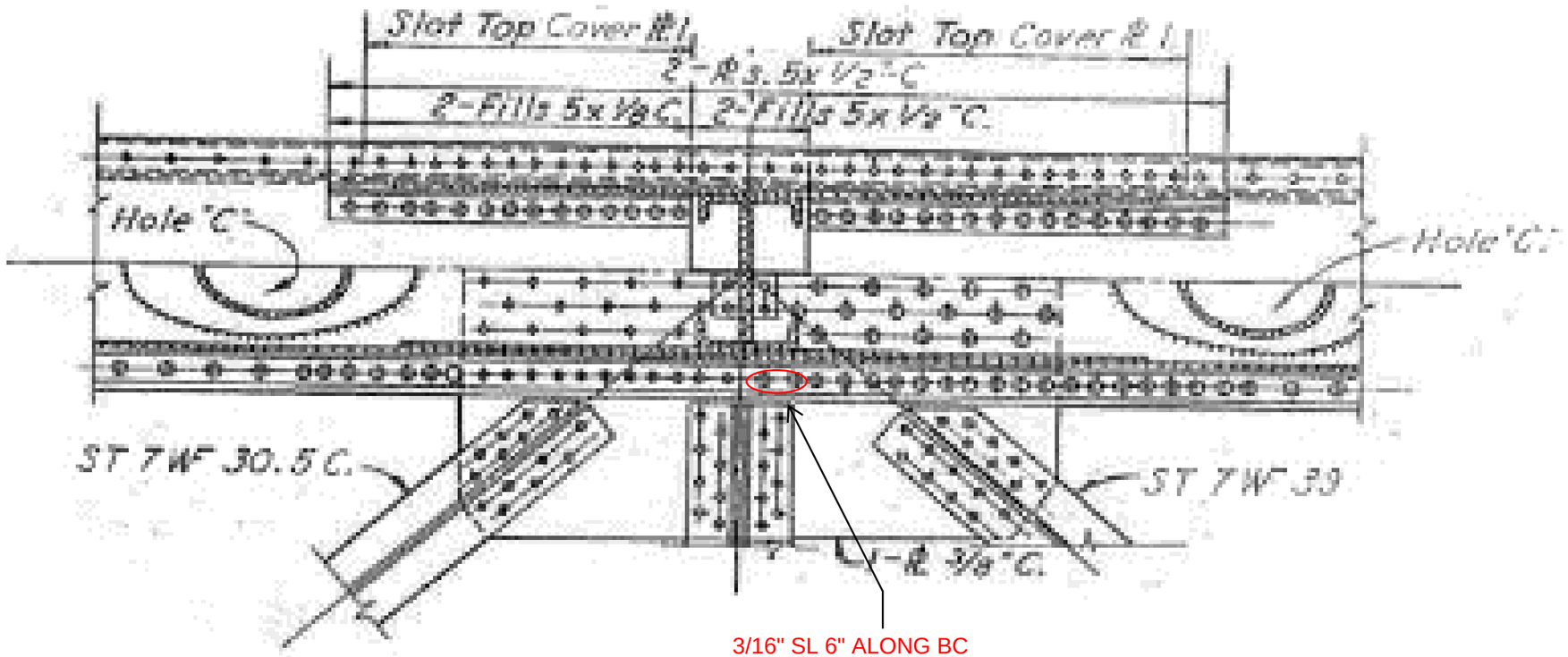
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 58

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L58

UP STREAM (US)

DOWN STREAM (DS)



3/16" SL 6" ALONG BC
WIDTH OF BOTTOM ANGLE
& BOTTOM PLATE US

Notes: Plan View

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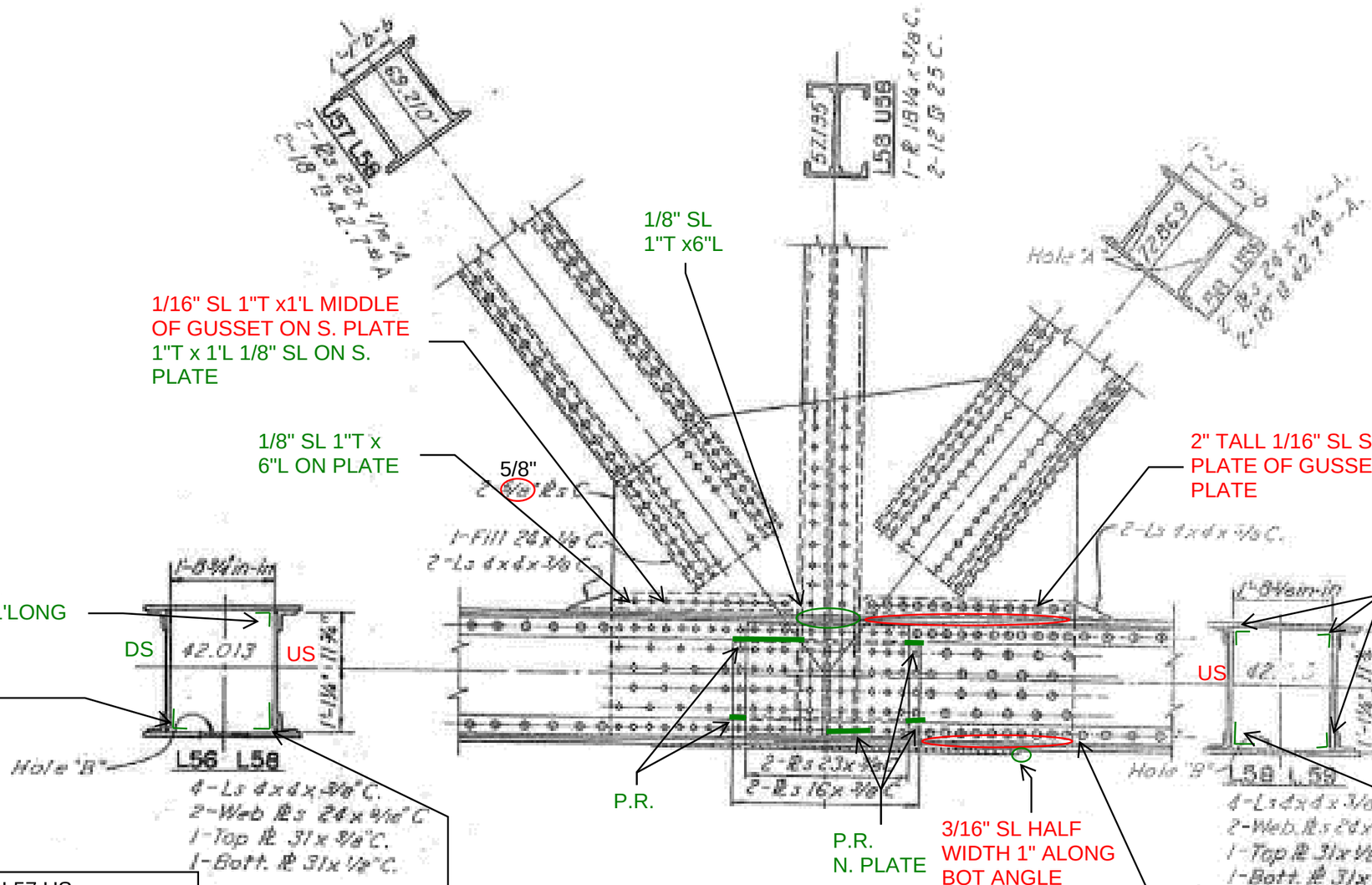
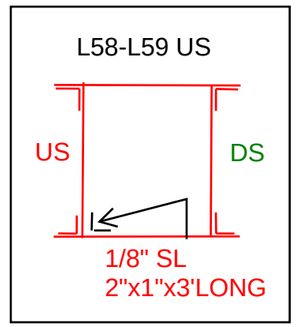
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-9-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 58

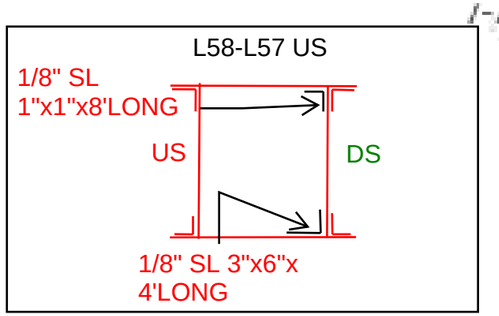
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L58

UP STREAM (US)

DOWN STREAM (DS)







Notes: Elevation View

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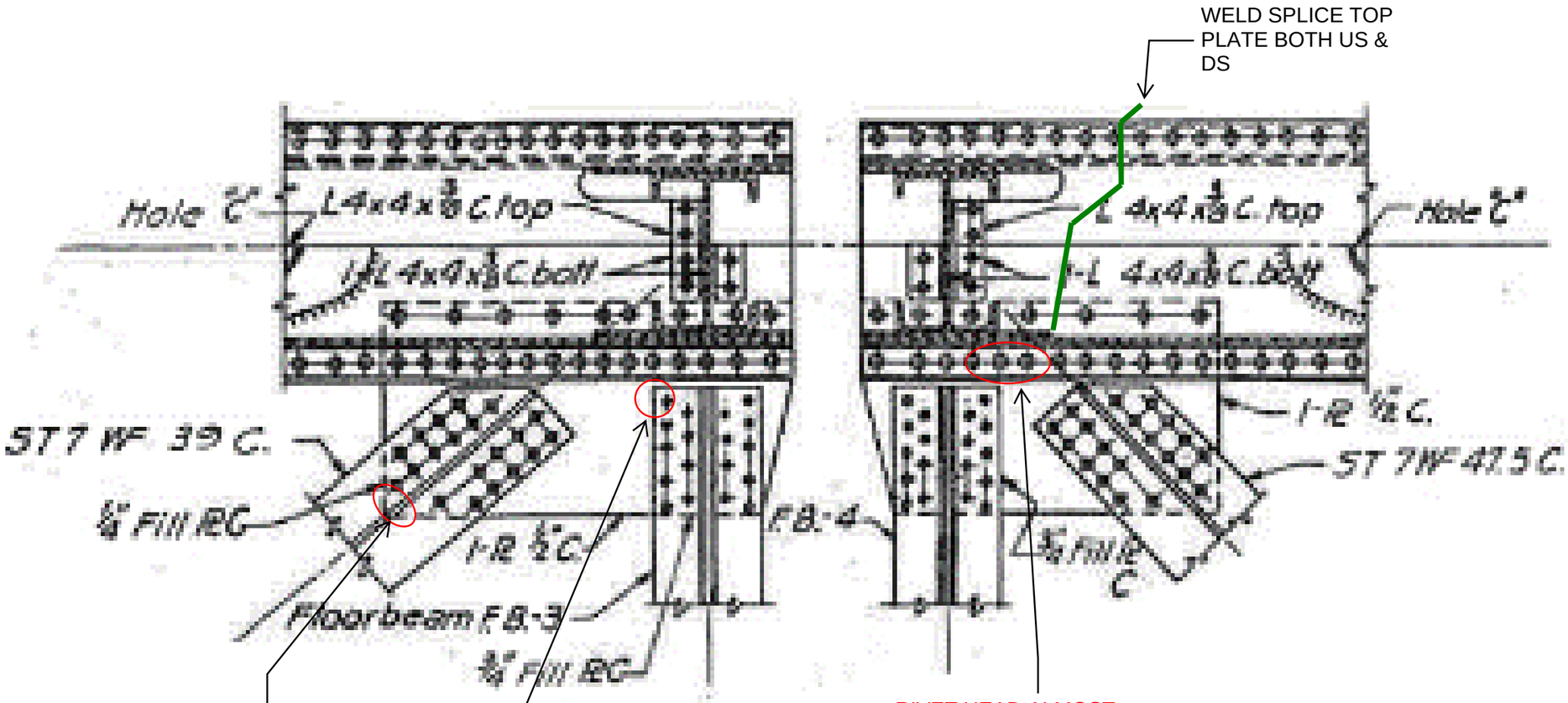
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 59

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L59

UP STREAM (US)

DOWN STREAM (DS)



WEST →

EAST ←

Notes: Plan View

Michael Baker
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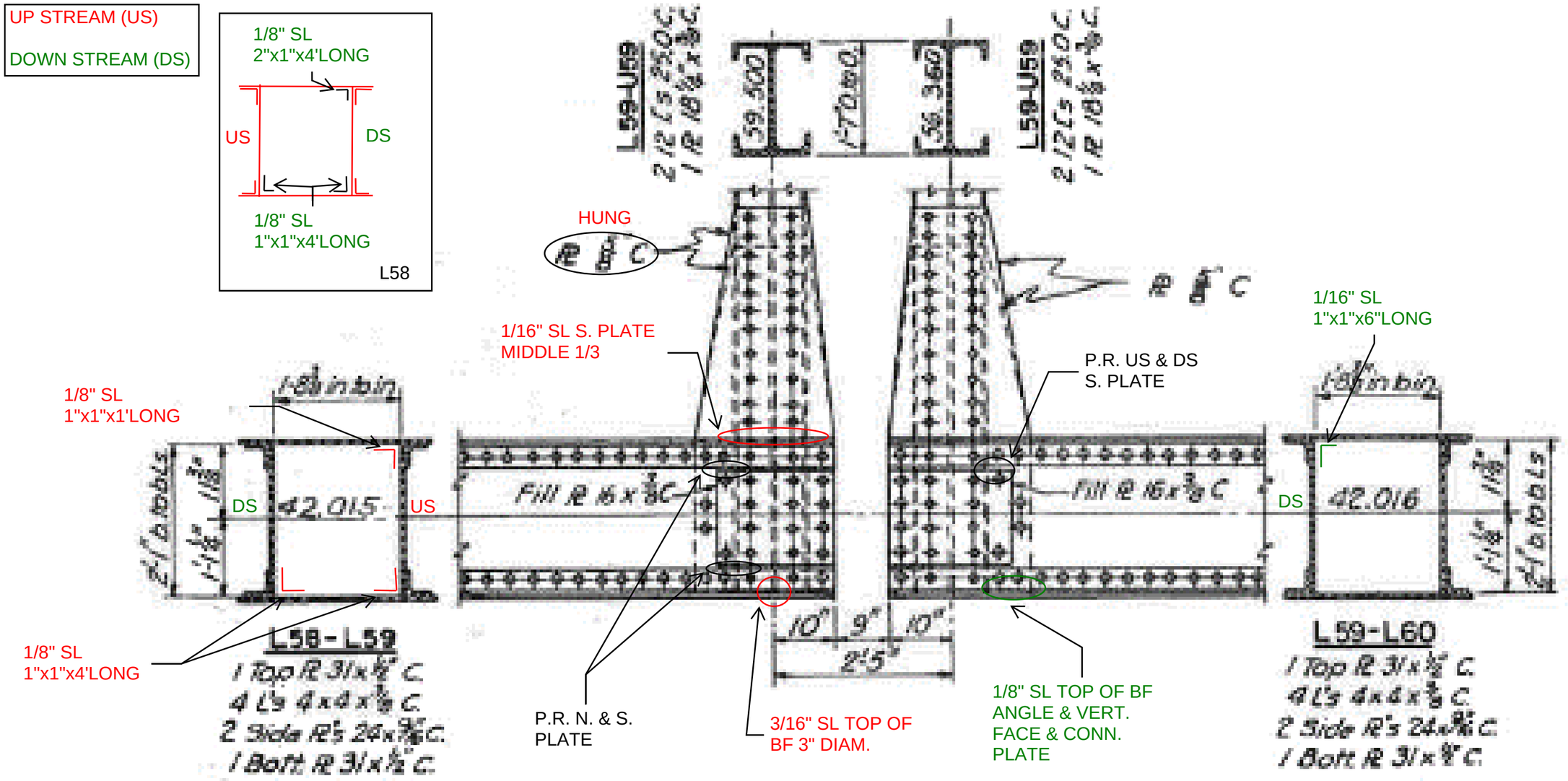
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 59

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L59

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

Michael Baker
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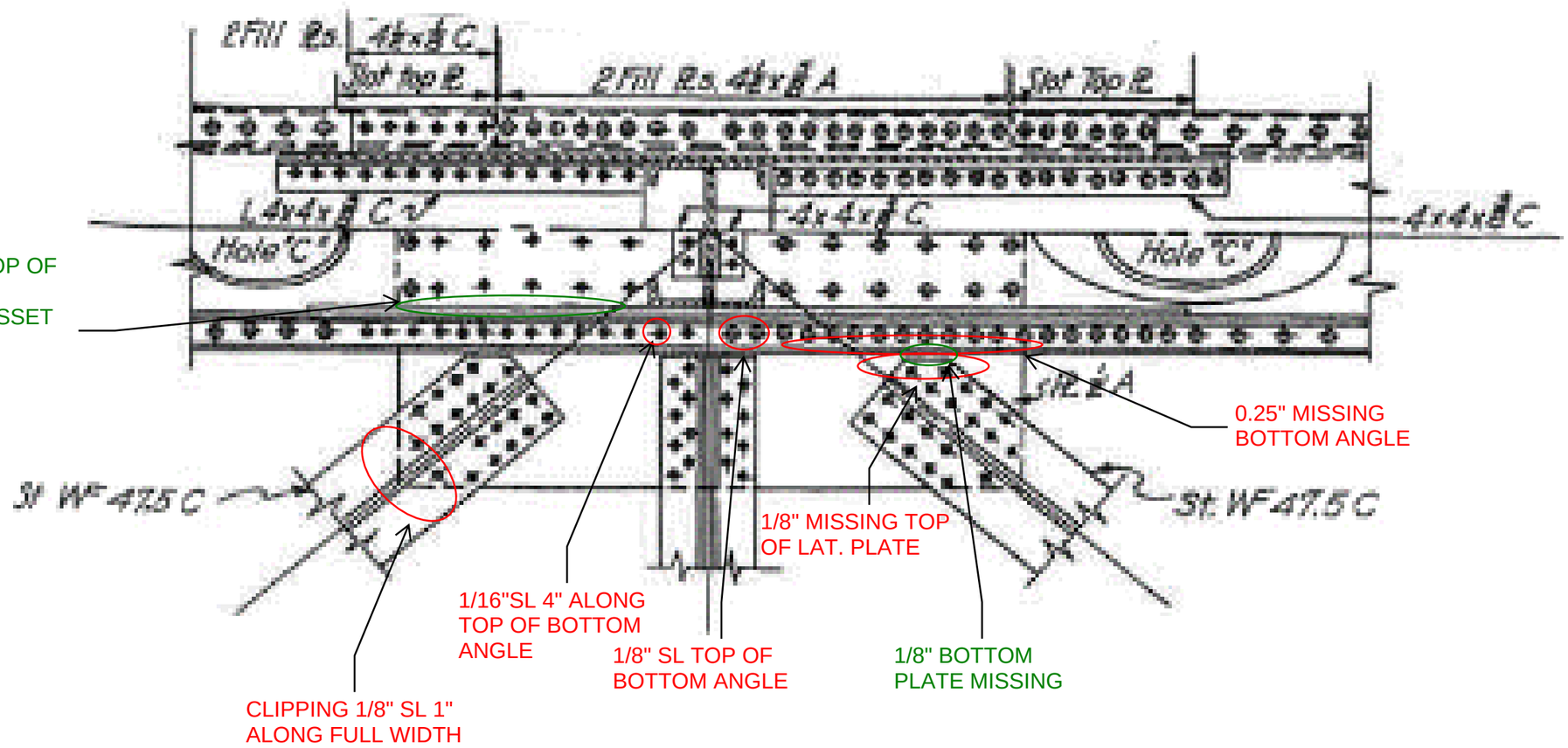
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-8-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 60

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L60

UP STREAM (US)

DOWN STREAM (DS)



3/16" SL 2" WIDE TOP OF BC N. PLATE O.F.
1/8" SL 1" WIDE GUSSET N. PLATE O.F.

0.25" MISSING BOTTOM ANGLE

1/8" MISSING TOP OF LAT. PLATE

1/16"SL 4" ALONG TOP OF BOTTOM ANGLE

1/8" SL TOP OF BOTTOM ANGLE

1/8" BOTTOM PLATE MISSING

CLIPPING 1/8" SL 1" ALONG FULL WIDTH

WEST →

EAST ←

Notes: Plan View

Michael Baker
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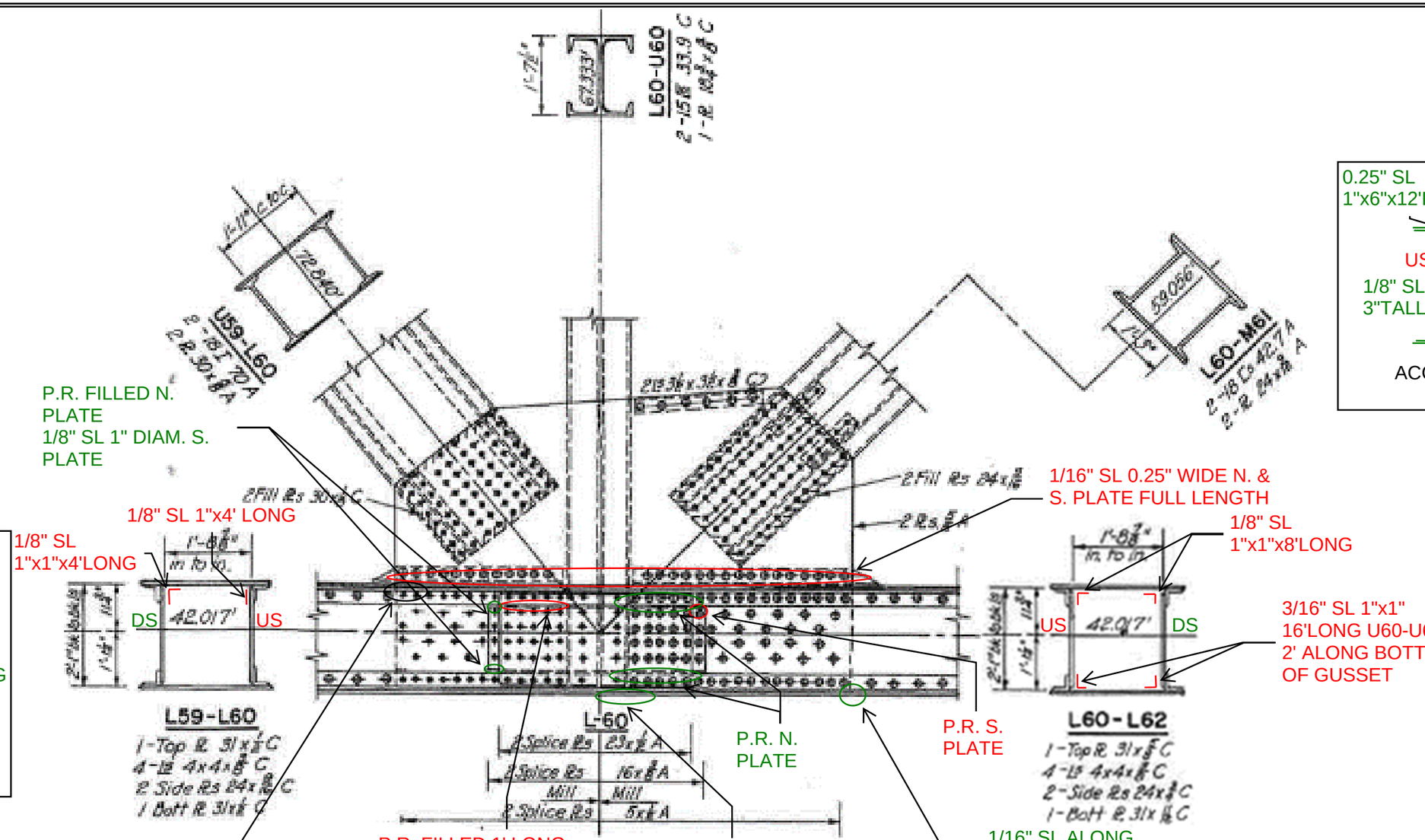
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-8-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 60

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L60

UP STREAM (US)

DOWN STREAM (DS)



P.R. FILLED N. PLATE 1/8" SL 1" DIAM. S. PLATE

1/8" SL 1"x4' LONG

1/8" SL 1"x1"x4'LONG

1/16" SL 0.25" WIDE N. & S. PLATE FULL LENGTH

1/8" SL 1"x1"x8'LONG

3/16" SL 1"x1" 16'LONG U60-U61 2' ALONG BOTTOM OF GUSSET

P.R. S. PLATE

P.R. N. PLATE

P.R. FILLED 1' LONG 1/8" SL ALONG TOP 1" OS SPLICE PLATE 1/16" SL 1" WIDE BOTTOM OF TOP ANGLE

1/8" SL TOP OF BOTTOM FLG. 6"Wx1'L

1/16" SL ALONG BOTTOM LAT. PLATE FULL WIDTH

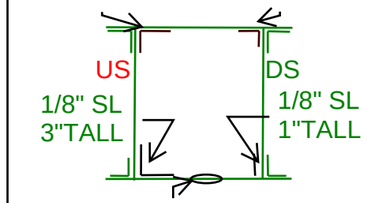
S. PLATE I.F. 3/16" SL 3" WIDE S. PLATE O.F. 1/16" SL 1" WIDE

WEST

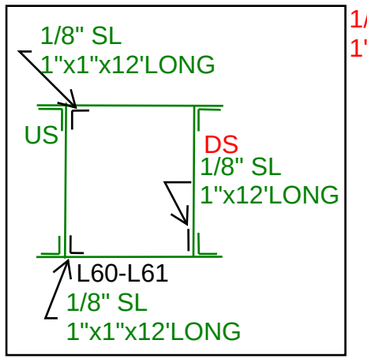
EAST

0.25" SL 1"x6"x12'LONG

1/8" SL 1"x1"8'LONG



ACCESS HOLE L60-L59



Notes: Elevation View

Michael Baker
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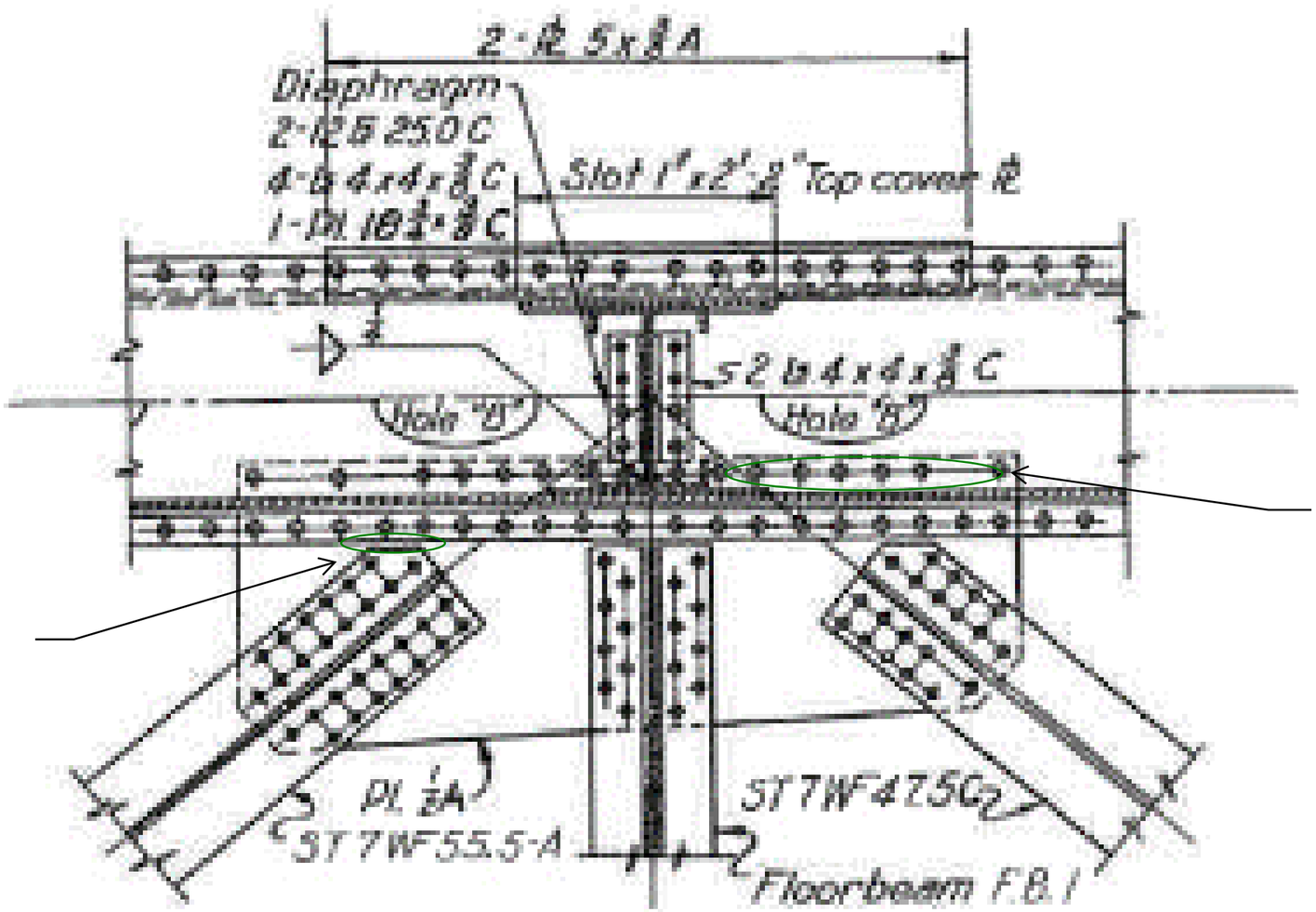
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 61

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L61

UP STREAM (US)

DOWN STREAM (DS)



1/16" SL 1" WIDE
ALONG TOP CONN.
N. & S. PLATE

1/8" SL
MISSING
ANGLE TOP

WEST
←
EAST
→

Notes: Plan View

Michael Baker
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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-7-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 61

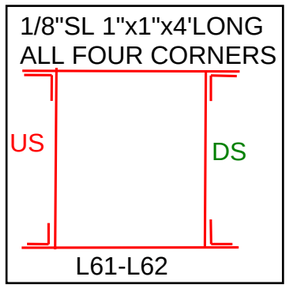
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L61

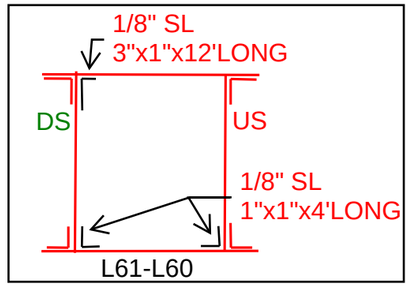
UP STREAM (US)

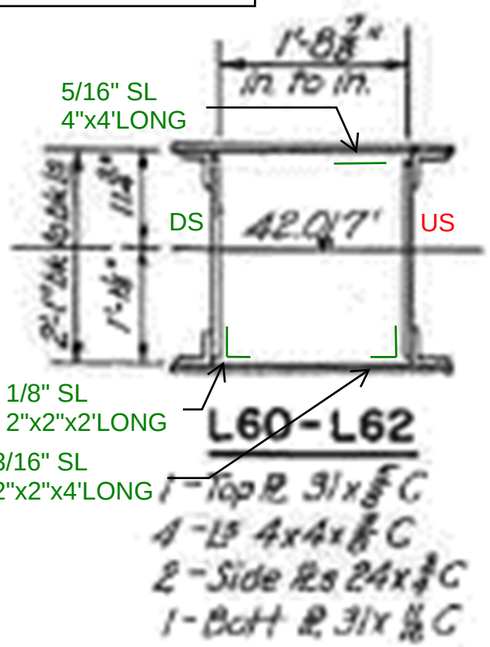
DOWN STREAM (DS)

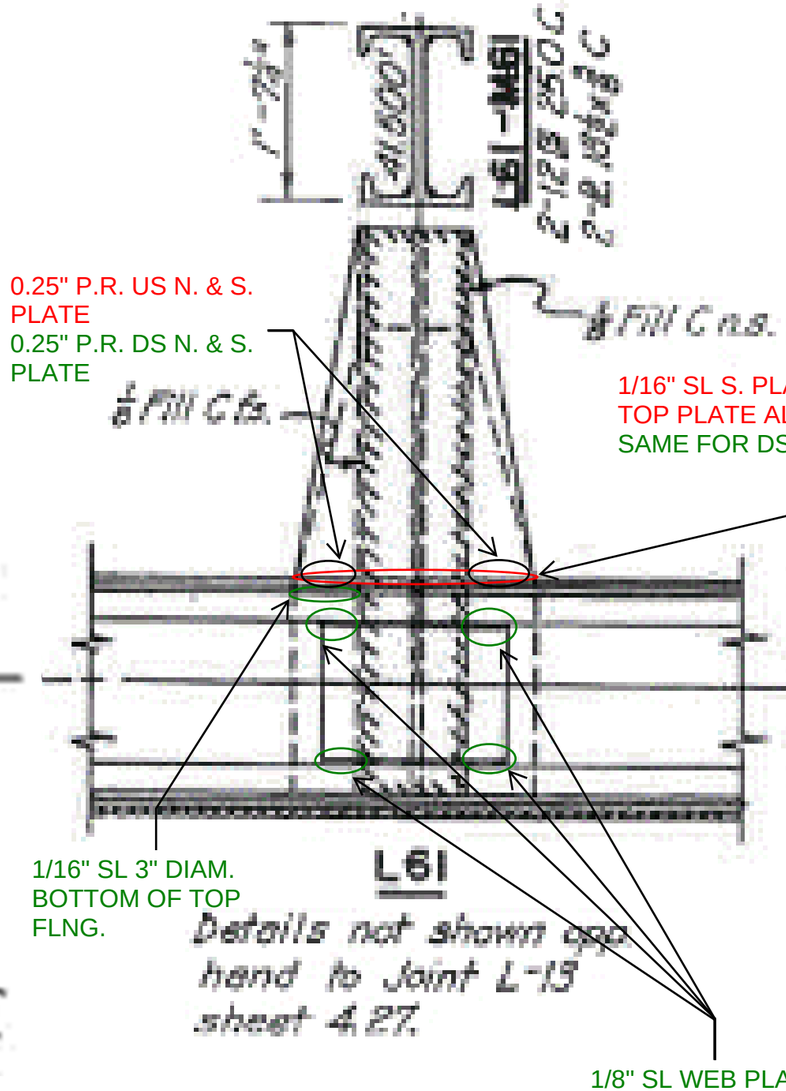
Details not shown are opposite hand to to joint L13

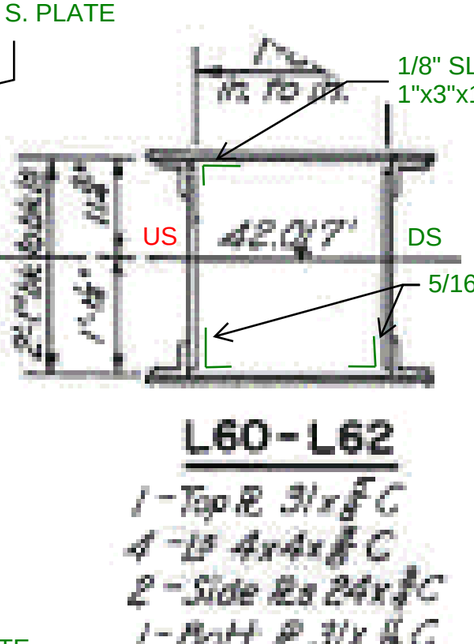
Elevation View L13'!A1











WEST
EAST

Notes: Elevation View

Michael Baker
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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 62

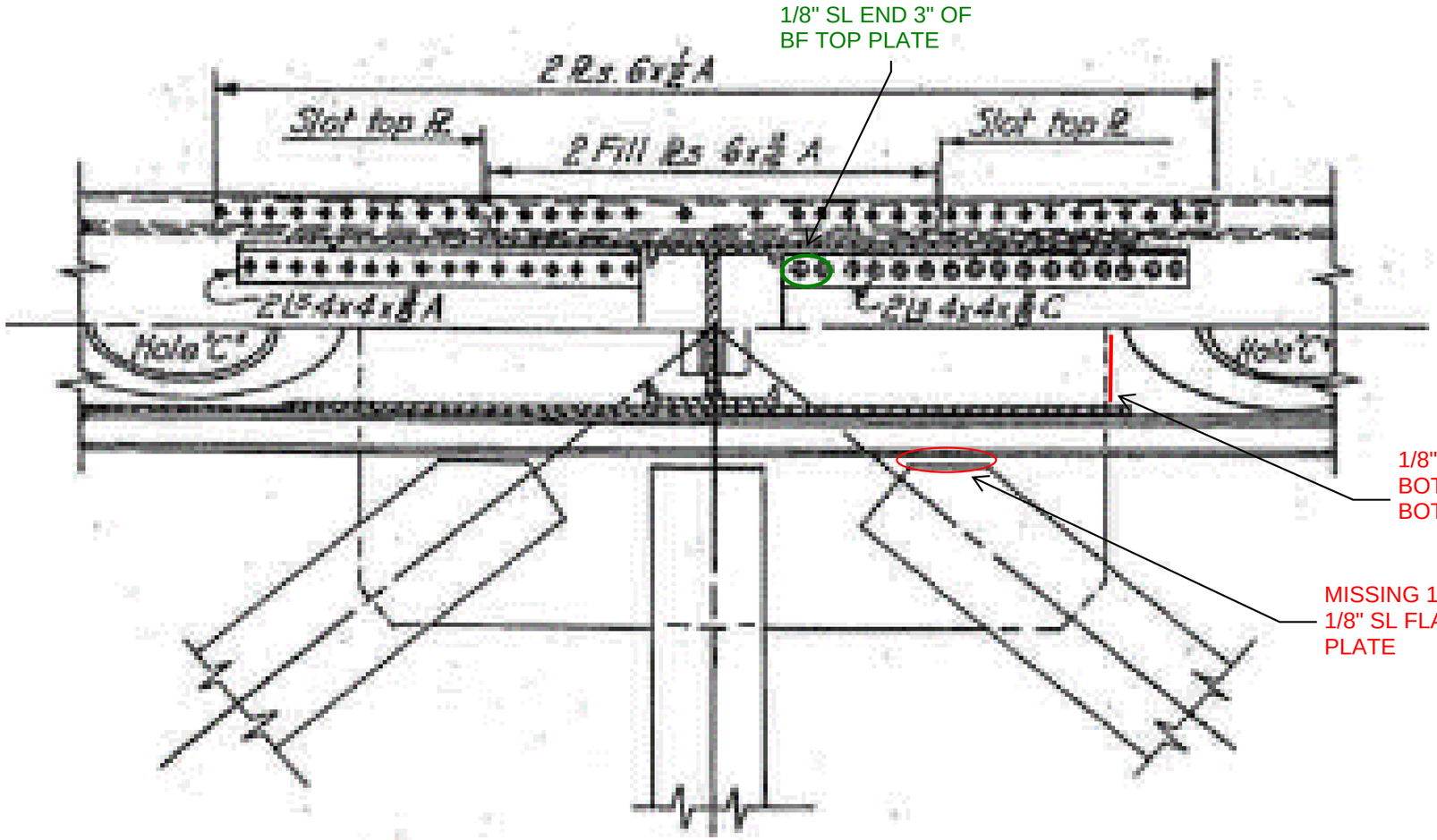
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L62

UP STREAM (US)

DOWN STREAM (DS)

Details not shown are opposite hand to to joint L12

Plan View L12'!A1



WEST ←

EAST →

Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 62

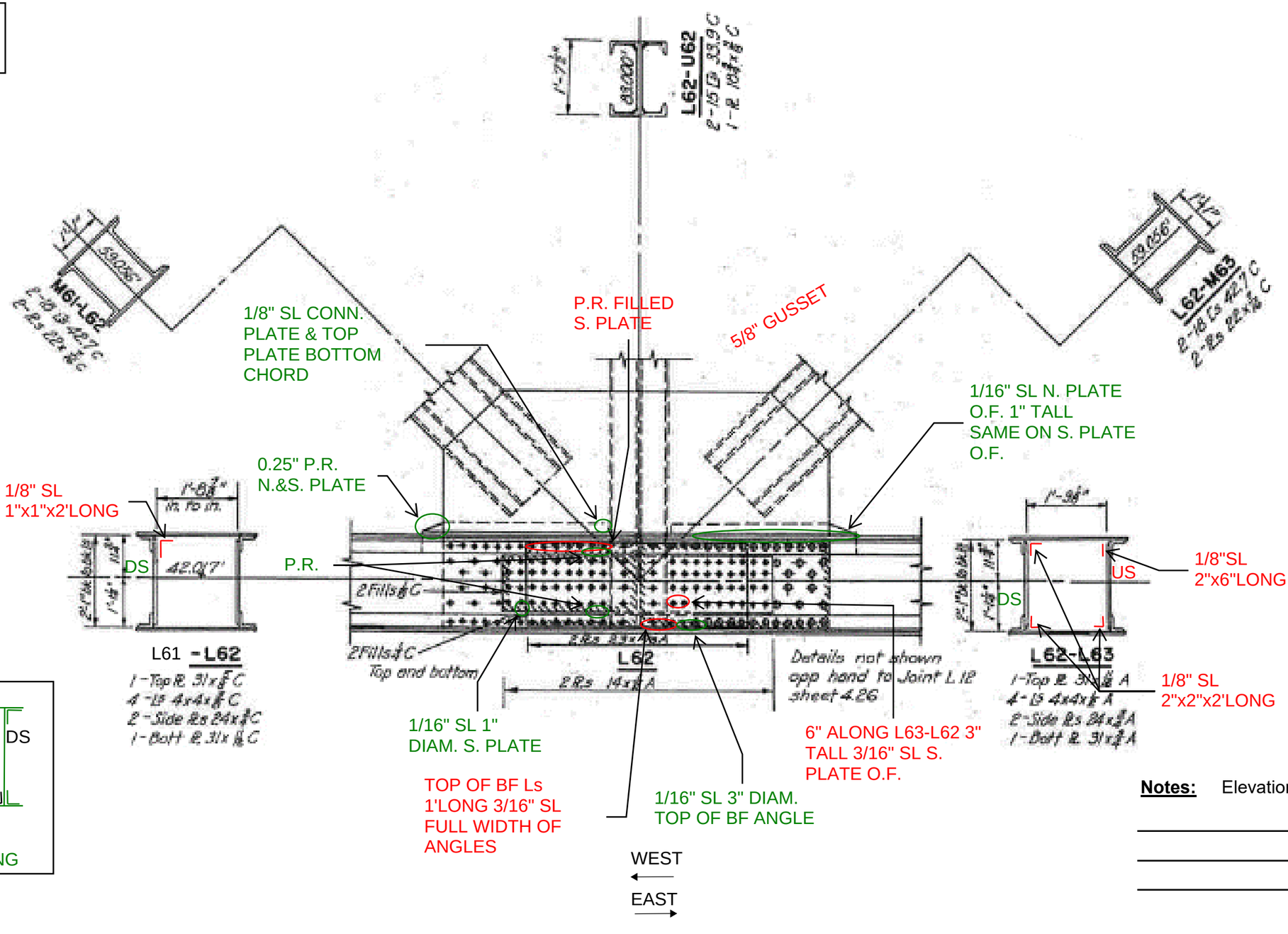
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L62

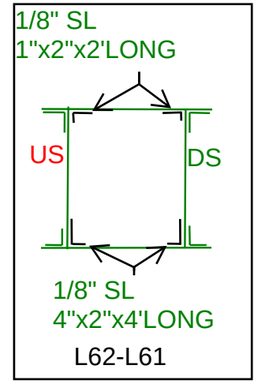
UP STREAM (US)

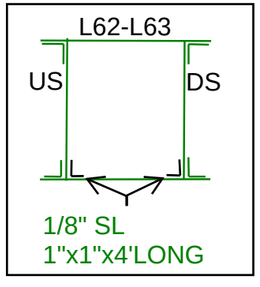
DOWN STREAM (DS)

Details not shown are opposite hand to to joint L12

Elevation View L12'!A1







Notes: Elevation View

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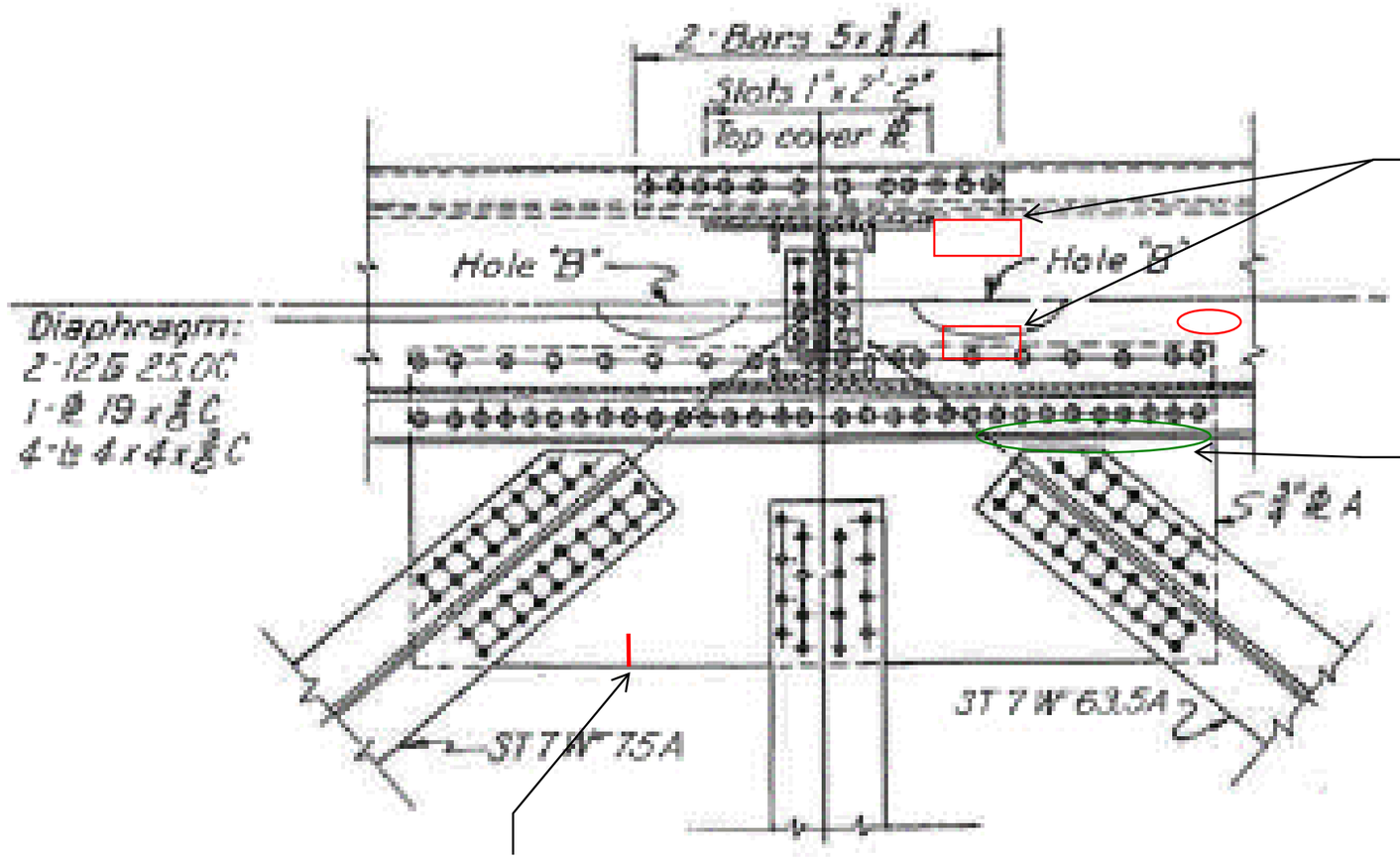
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 Truss location L 63

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L63

UP STREAM (US)

DOWN STREAM (DS)



1/8" SL 8"x5" TOP OF TOP PLATE

2' LONG 0.25" OF BF TIP GONE

0.5" LONG CUT

WEST

EAST

Notes: Plan View

Michael Baker
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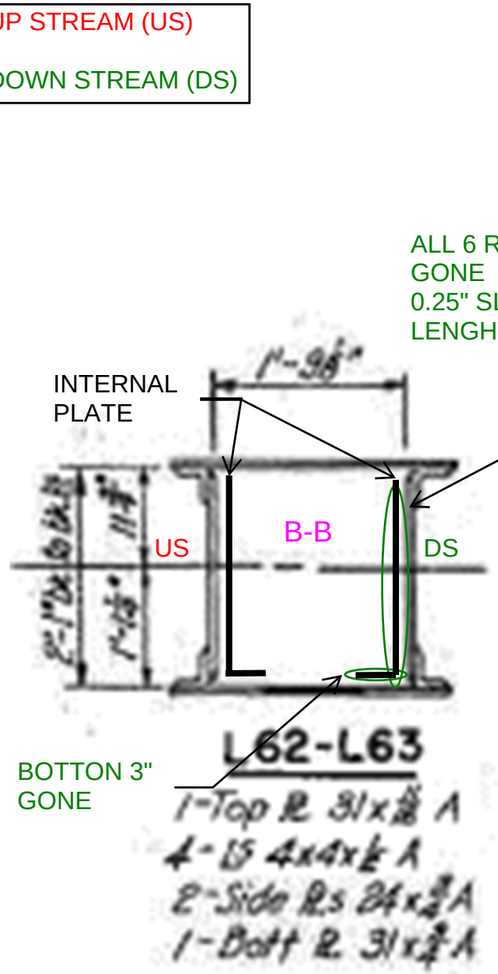
Little Rock, AR 72201

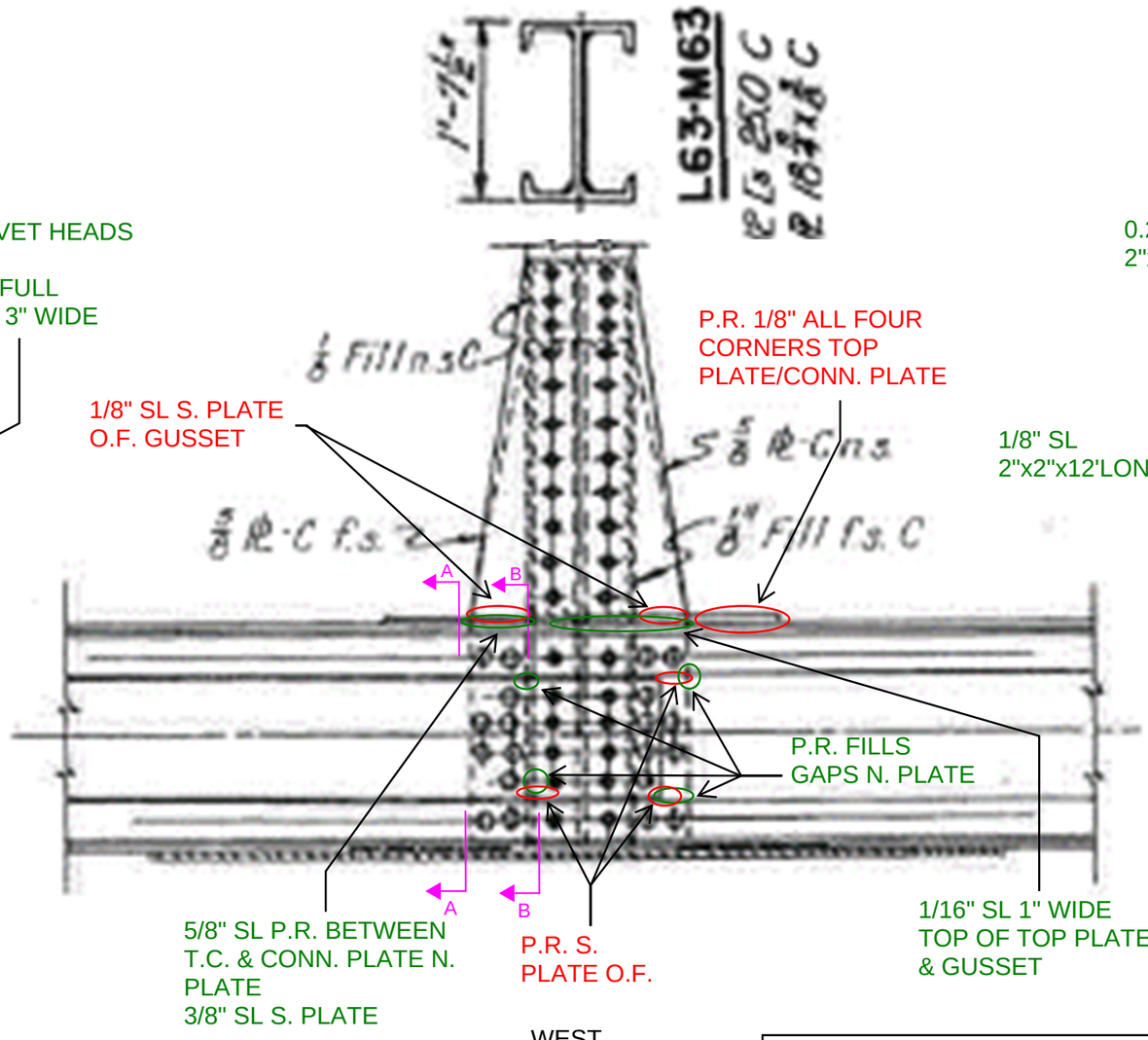
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-7-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 Truss location L 63

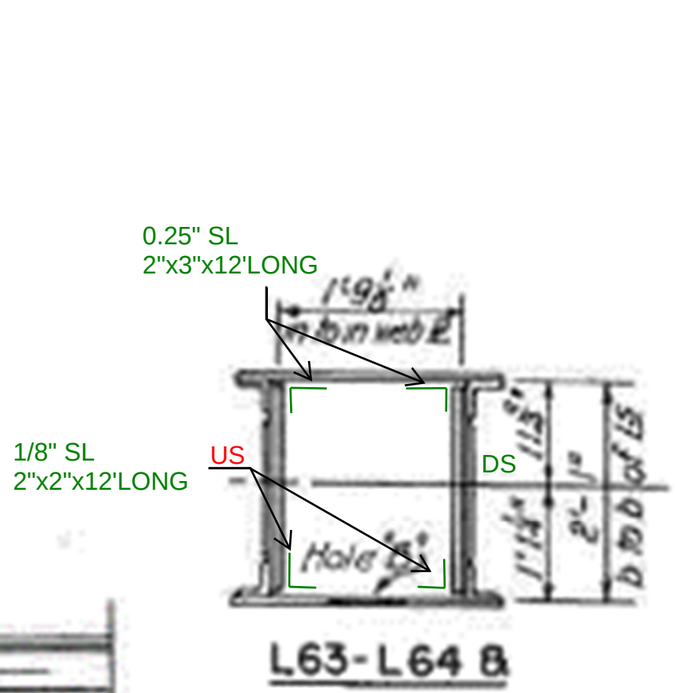
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L63

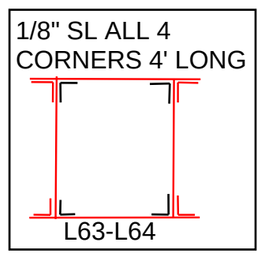
UP STREAM (US)

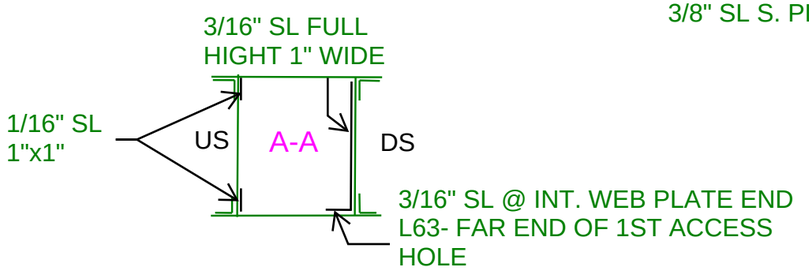
DOWN STREAM (DS)





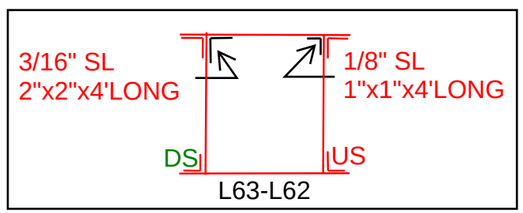






WEST

EAST



Notes: Elevation View

Michael Baker
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101 S. Spring St, Suite 100
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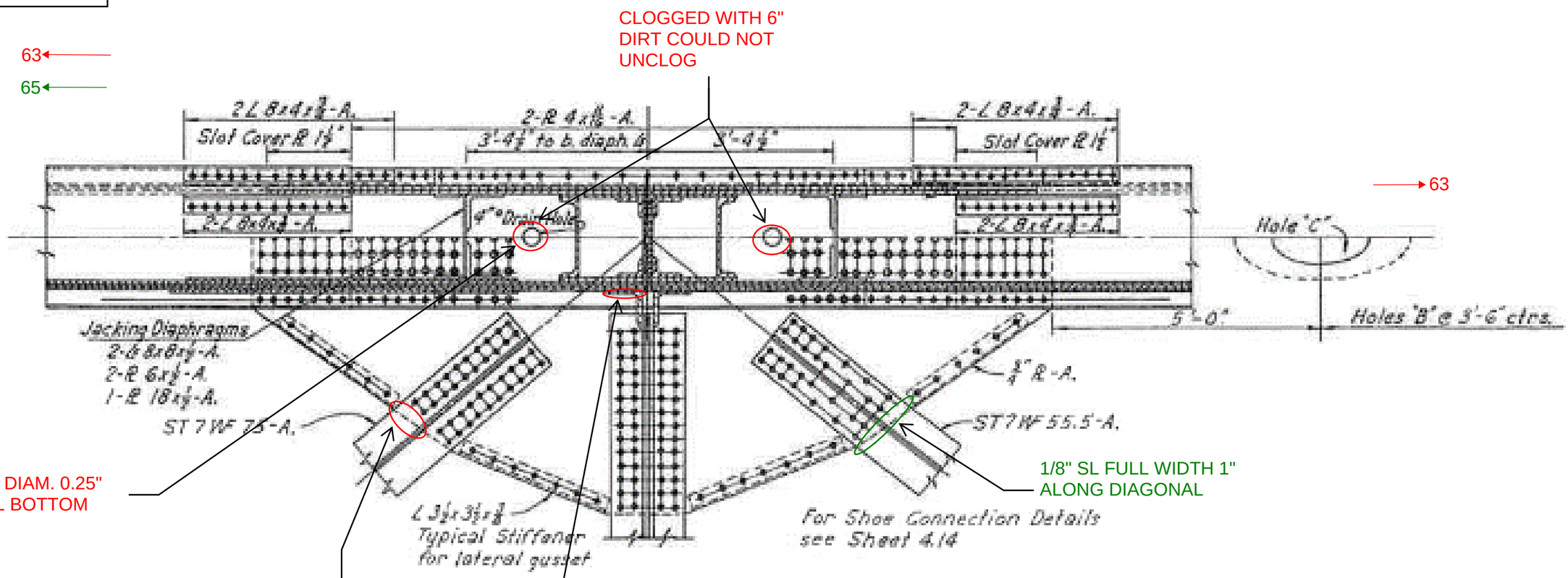
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-7-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 4 - 5 Truss location L 64

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L64

UP STREAM (US)

DOWN STREAM (DS)



Notes: Plan View

Michael Baker
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101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 4 - 5 Truss location L 64

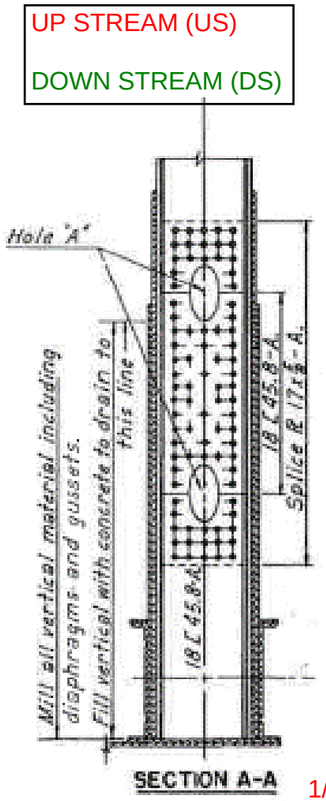
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L64

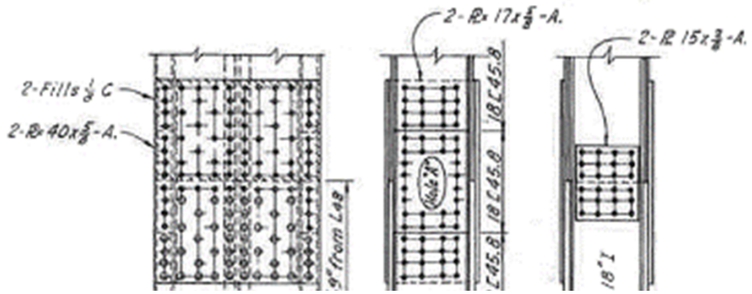
Details not shown are similar to to joint L48

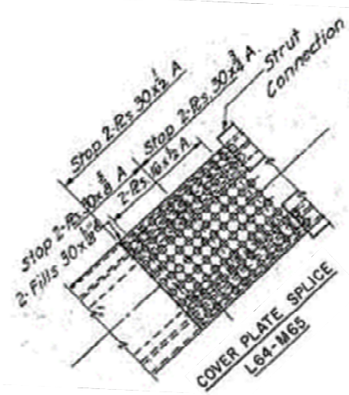
Elevation View L48'!A1

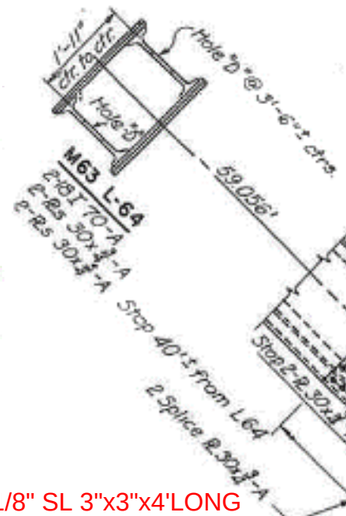
UP STREAM (US)

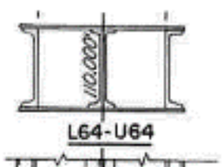
DOWN STREAM (DS)





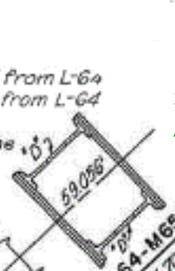


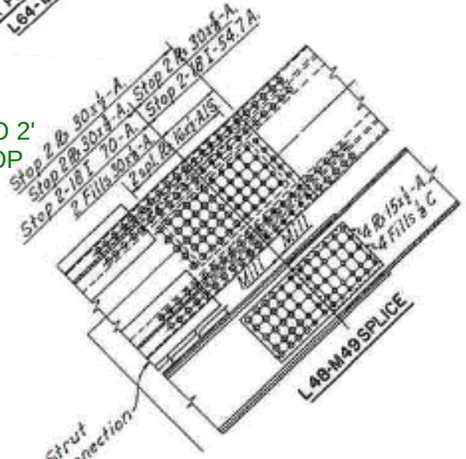




2-18 C 45.8 -A
1-18 I 54.7 -A
2 @ 40x⅝ -A Stop 44'-9" from L-64
2 @ 40x⅝ -A Start 44'-9" from L-64

Note: Splice L64-U64 same as L48-U48, sheet 4.35





3/8"SL 1" WIDE ACCESS HOLE TO 2' FROM END OF TOP PLATE

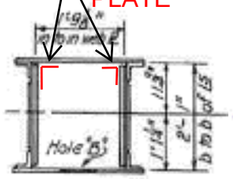
DRAINED

WATER ABOVE 1'

1/8" SL 3"x3"x4'LONG FROM VERT. TO VERT. PLATE

65

63



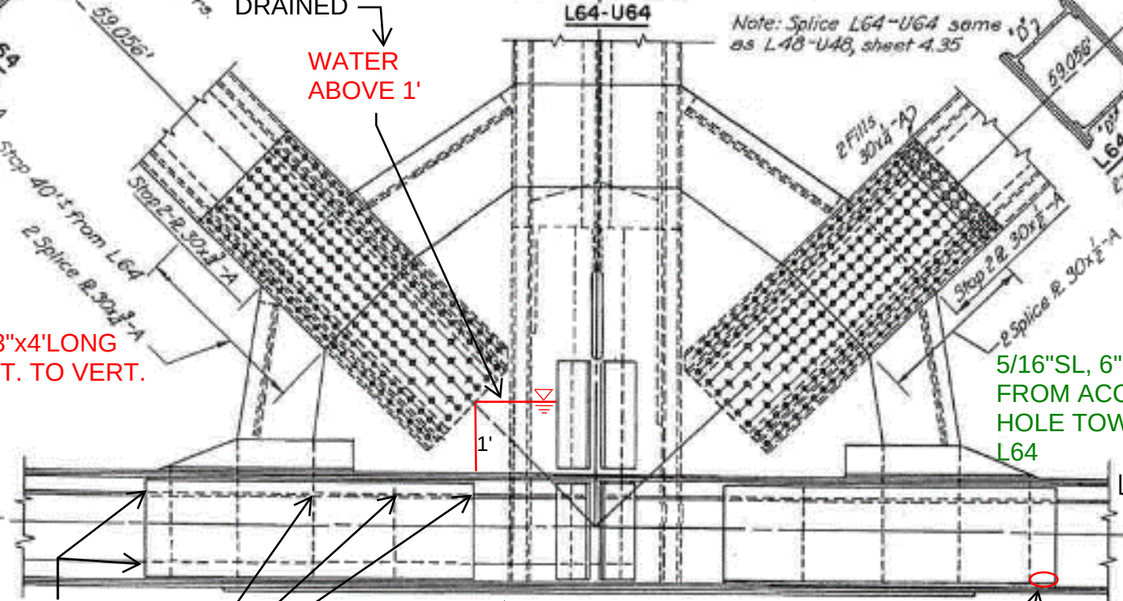
L64-L65
4-L 4x4x½ -A
2 Web @ 24x⅜ -A
1 Top @ 31x7/16 -A
1 Bott @ 31x⅜ -A
2 o.s. @ 16x½ -A
2 i.s. @ 24x⅜ -A

1/8" SL BEHIND SPLICE PLATE

For access hole details see sheet 4.38.

For floorbeam connection and diaphragm see sheet 4.07.

N. PLATE P.R.



L-64
details not shown are similar to L48, sheet 4.35.

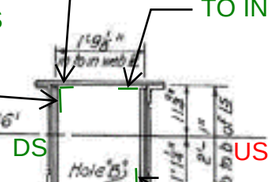
WATER ACTIVELY DRAINING FROM BOTTOM DRILLED HOLE LOOKS PARTALLY CLOGED

For shoe connection details see sheet 4.19.

N. PLATE I.F.
0.25" SL 1"x6"

5/16"SL, 6" WIDE 2' FROM ACCESS HOLE TOWARDS L64

3/16" SL FULL WIDTH ON SUPP. PLATE W/IN 2' OF HOLE BOTH DIRECTIONS



0.25"SL 3" WIDE HOLE TO IN WEB PLATE

63

65

DS

US

L61-L63

4-L 4x4x½ -A
2 Web @ 24x⅜ -A
1 Top @ 31x7/16 -A
1 Bott @ 31x⅜ -A
2 o.s. @ 16x½ -A
2 i.s. @ 24x⅜ -A

3/16" SL 3" TALL, L64 FOR 8' TOWARDS L63

Notes: Elevation View

Michael Baker
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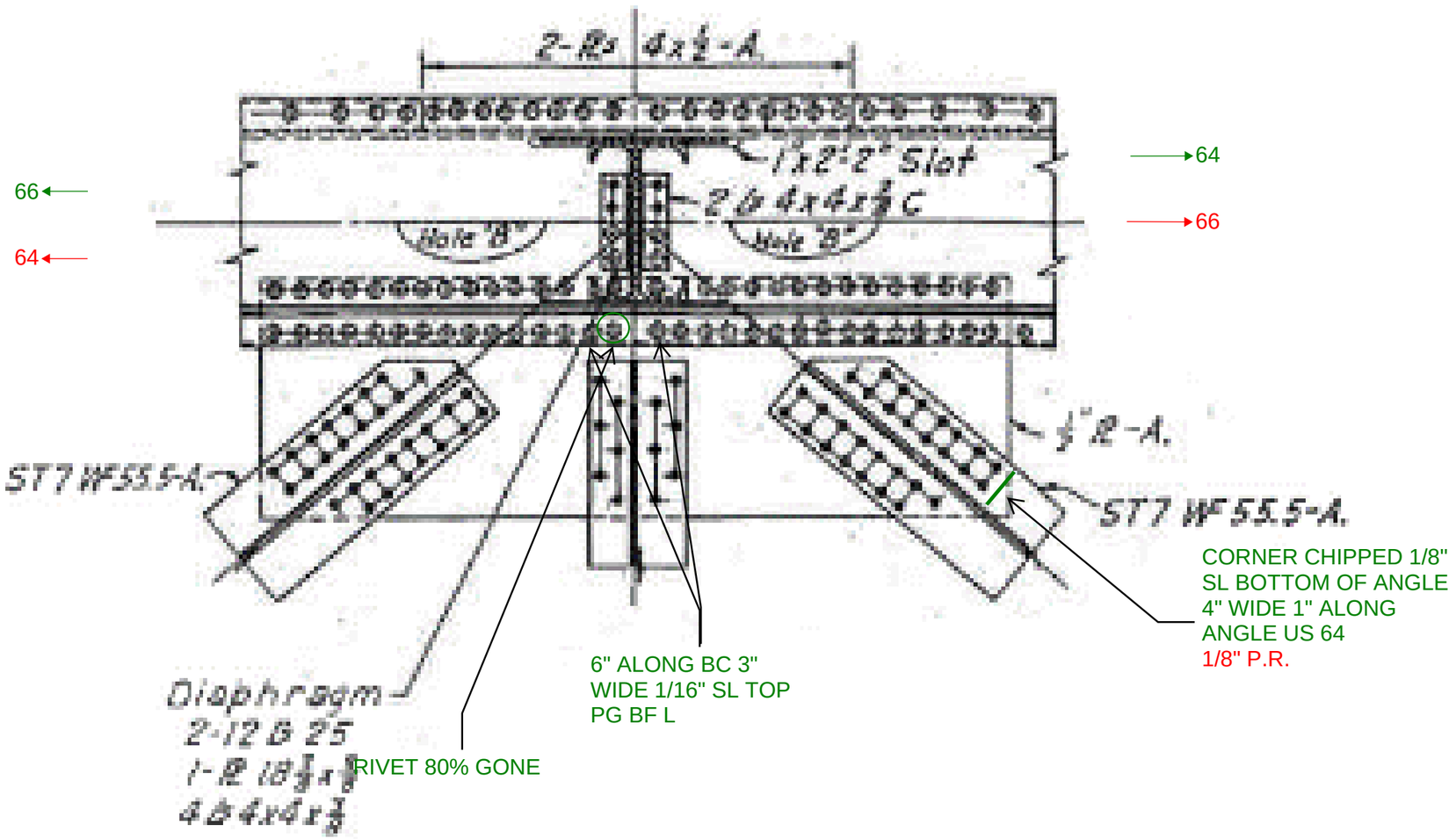
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 65

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L65

UP STREAM (US)

DOWN STREAM (DS)



Notes: Plan View

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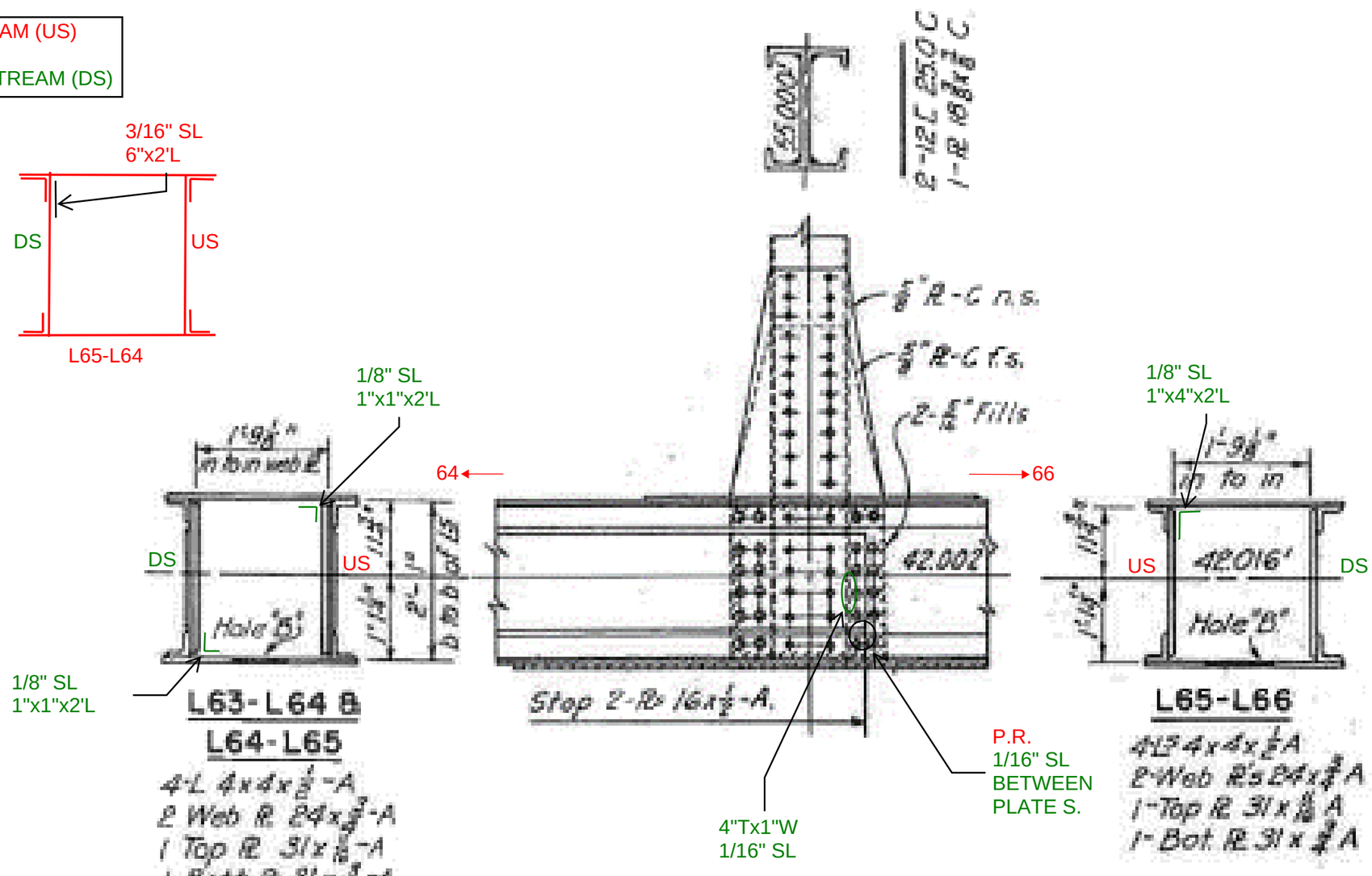
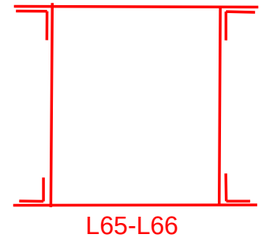
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-7-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 5 Truss location L 65

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L65

UP STREAM (US)

DOWN STREAM (DS)





Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location_L 66_

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L66

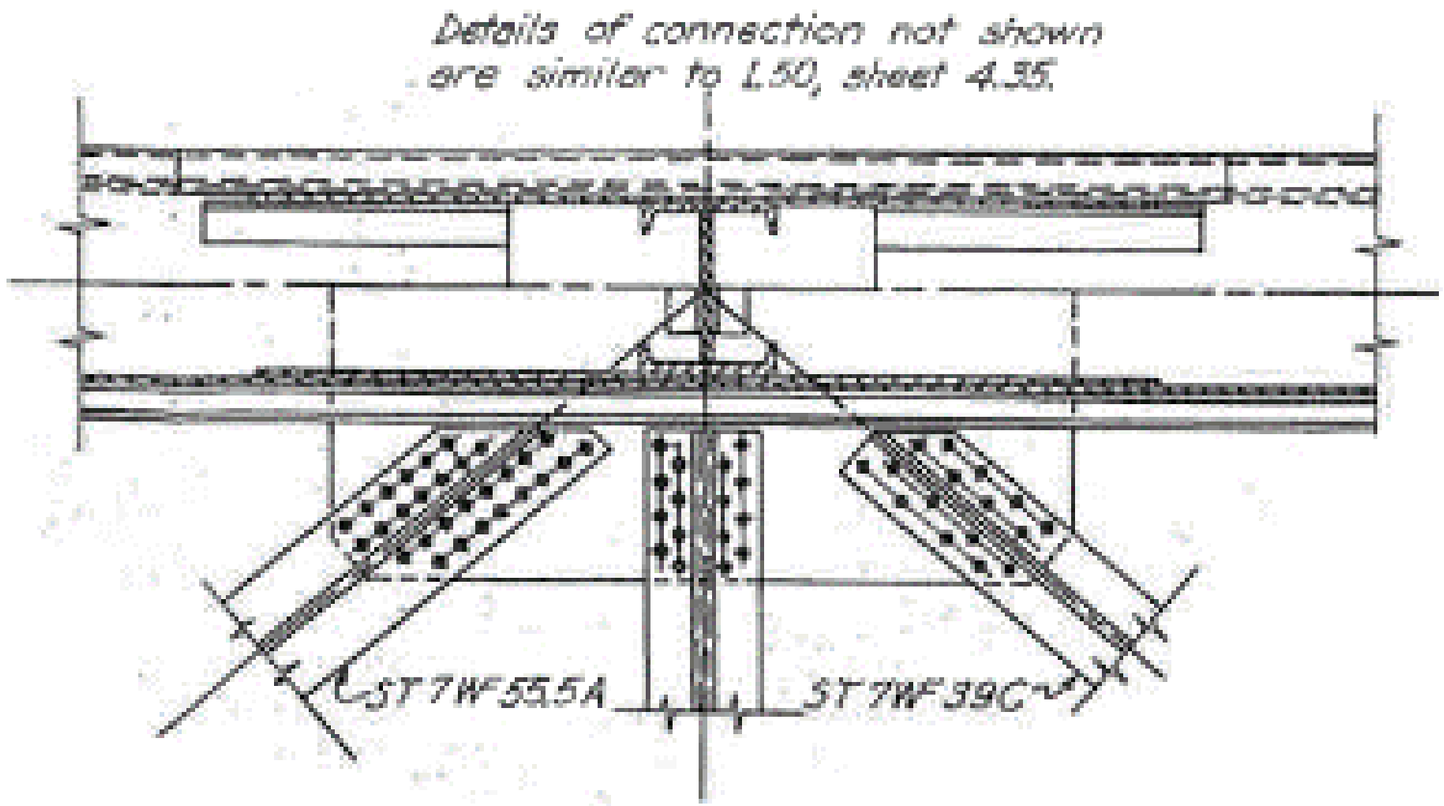
UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLATE

Details not shown are similar to to joint L50

Plan View L50'!A1



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-6-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 5 Truss location L 66

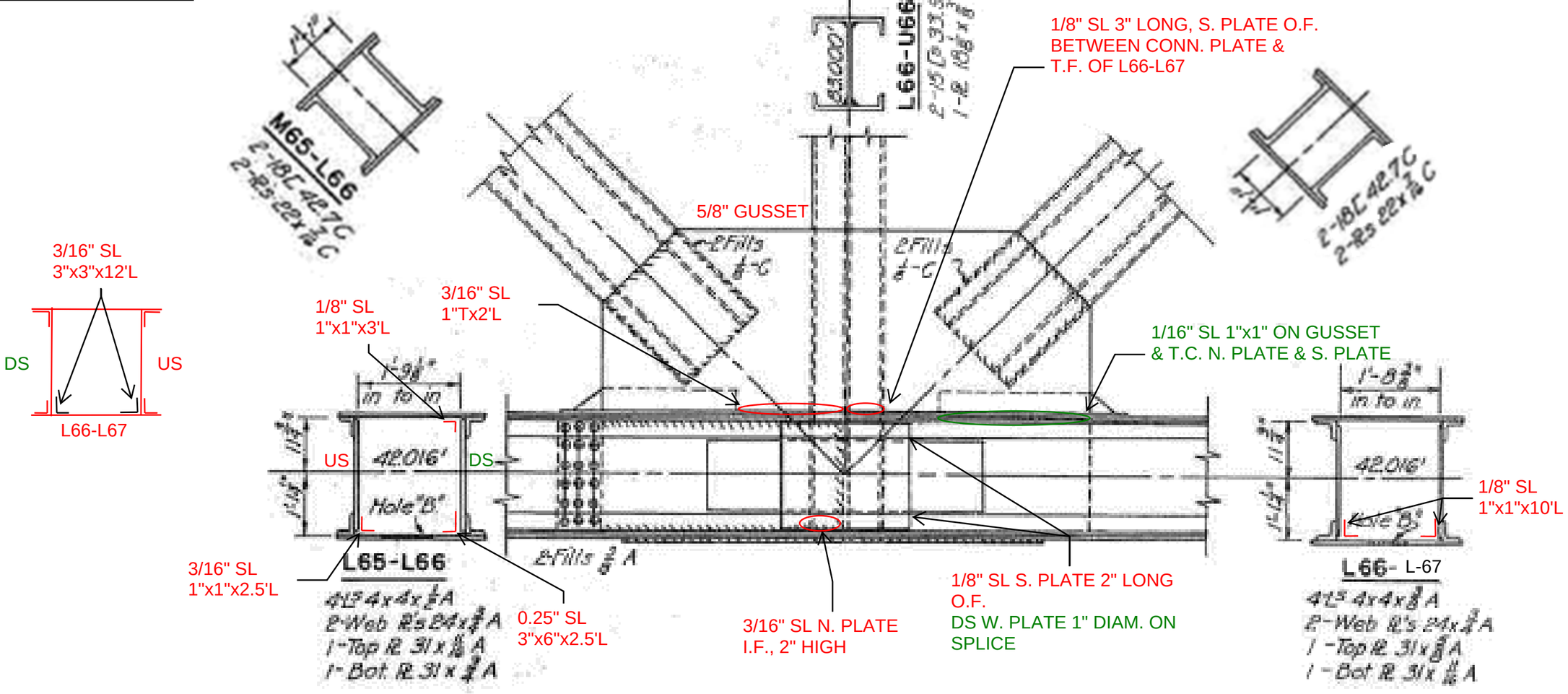
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L66

UP STREAM (US)

DOWN STREAM (DS)

Details not shown are similar to to joint L50

Elevation View L50'!A1



Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 67

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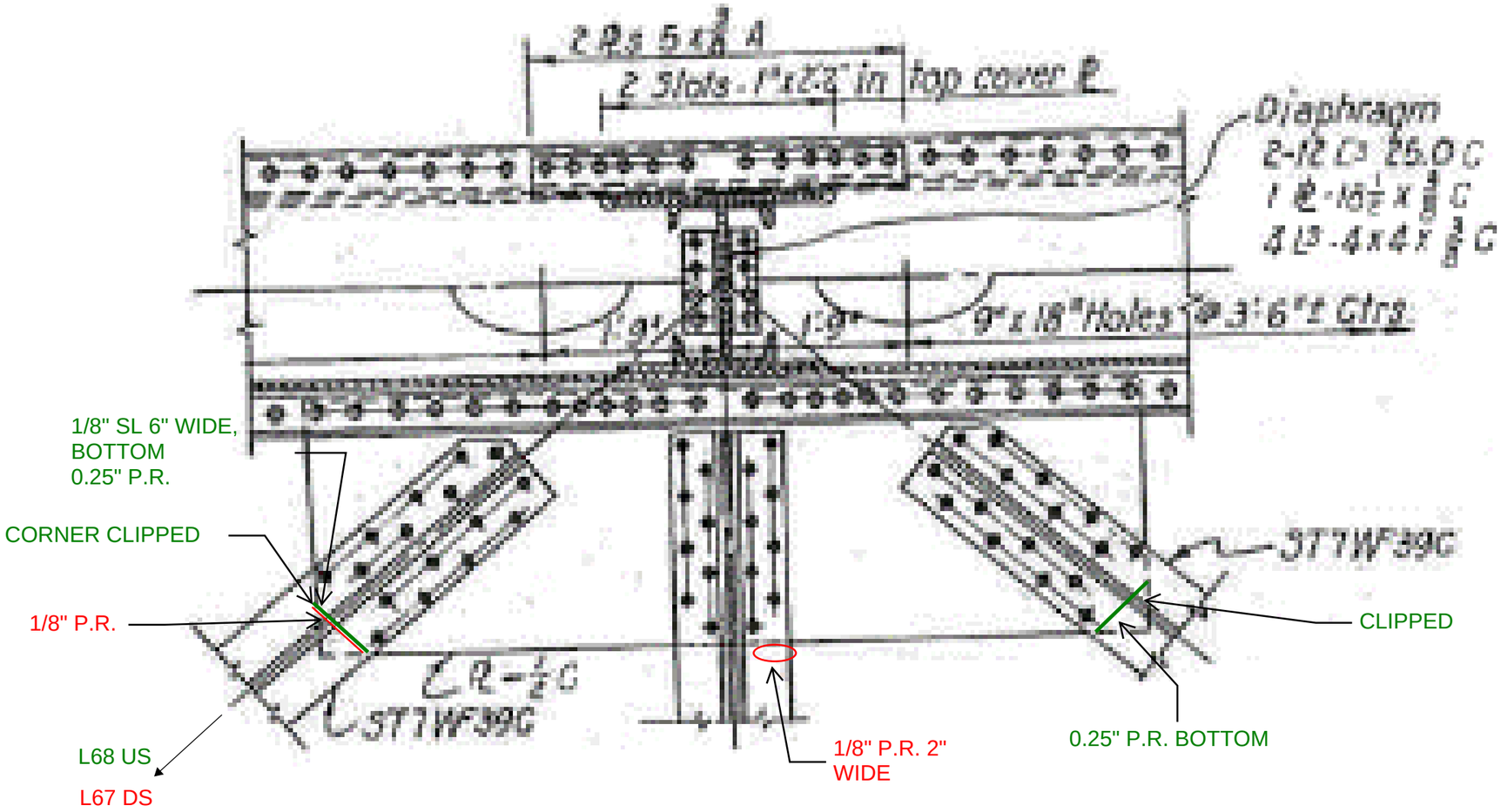
UP STREAM (US)

DOWN STREAM (DS)



Notes: Plan View

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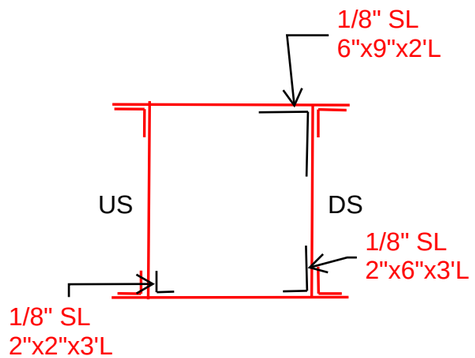
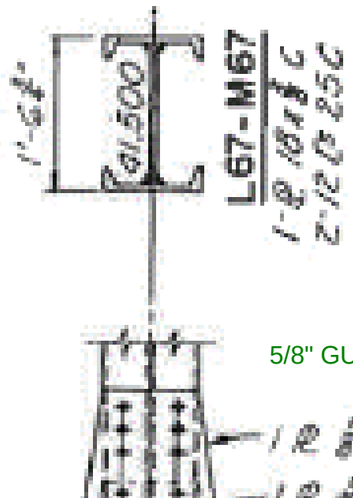
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: _____ Date: _____
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 67

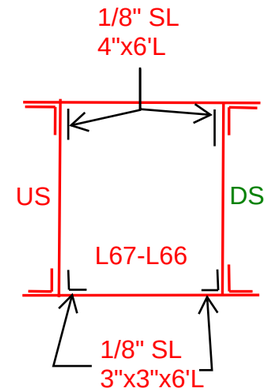
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L67

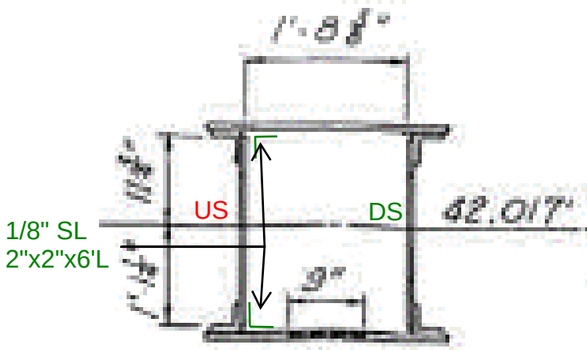
UP STREAM (US)

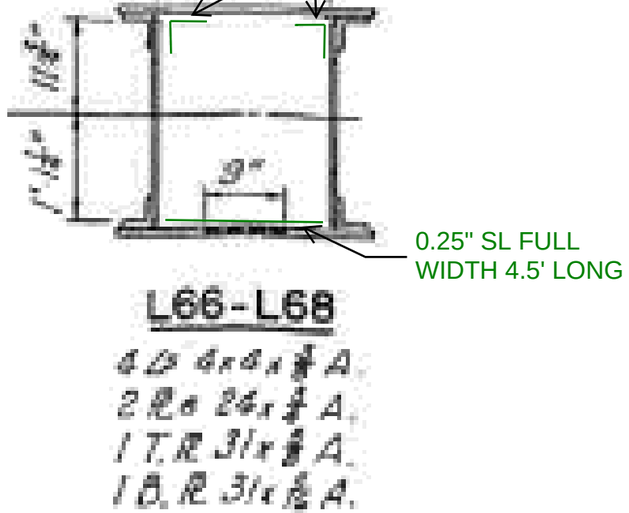
DOWN STREAM (DS)

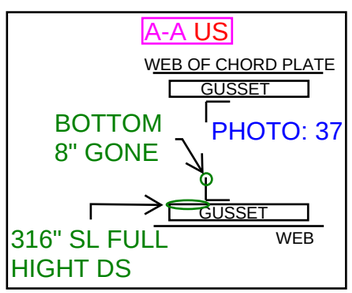


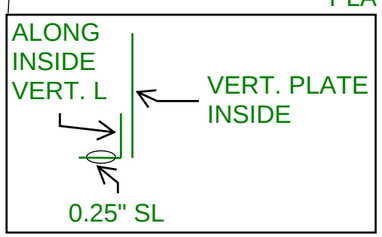












WEST →

EAST ←

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 68

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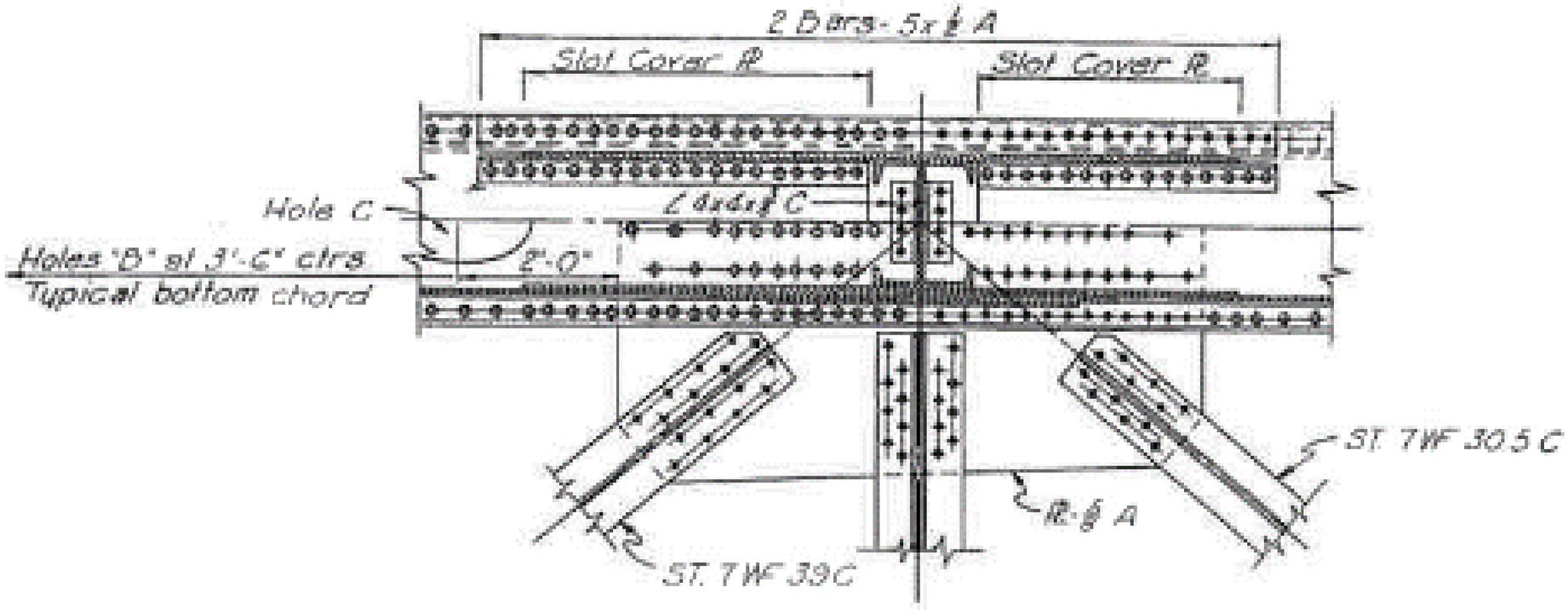
UP STREAM (US)

DOWN STREAM (DS)

NO REMARKS - COMPLATE



Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 68

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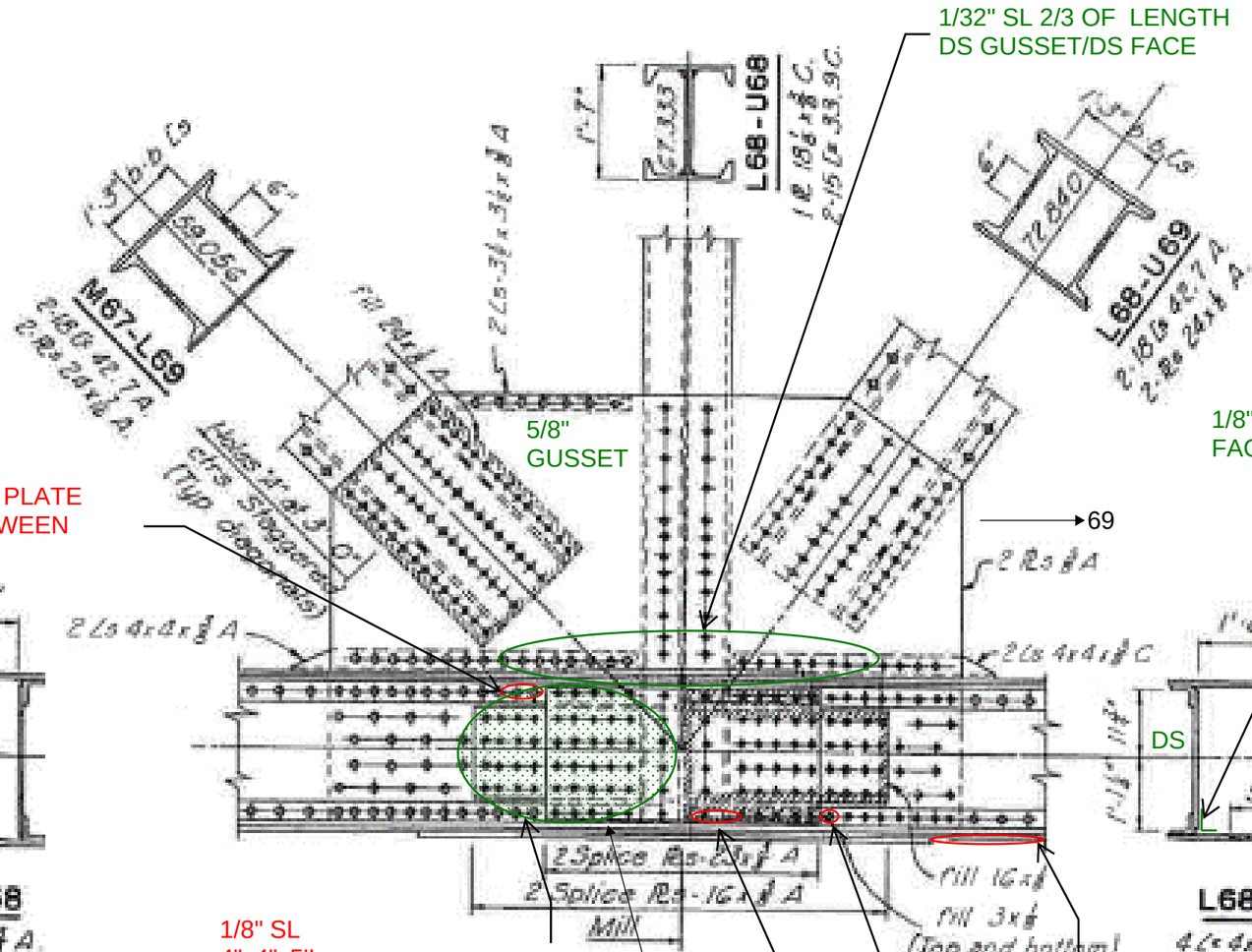
UP STREAM (US)

DOWN STREAM (DS)

WEST

EAST

67



1/32" SL 2/3 OF LENGTH DS GUSSET/DS FACE

5/8" GUSSET

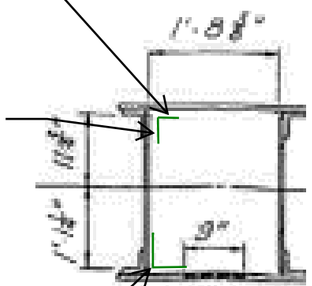
1/8" SL 1"W HORZ. FACE 120" LONG

1/8" SL 3"TALL FROM L68 TO 29" FROM L68 PHOTO: 21

0.25" SL 3"TALL FROM L68 TO 29" FROM L68 S. PLATE PHOTO: 21

18" SL N. PLATE O.F. BETWEEN PLATES

1/8" SL 5"x5"x38" FROM L68



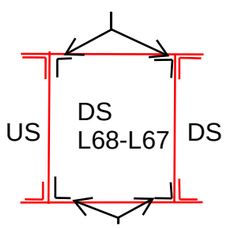
L67 - L68

4 Ls 4x4x⅜ A
2 Rs 24x⅜ A
1 T.R 3½x⅜ A
1 B.R 3½x⅜ A

1/8" SL 1"x1"x1'L TOP CHORD T.F.

GUSSET PLATE @ END L68-L67

1/8" SL 4"x4"x5'L



3/16" SL 5"x5"x4'L PHOTO: 30

1/8" SL 5"Wx5"Hx22"L

BOTTOM CORNERS N. PLATE I.F. PHOTO: 31

3/16" SL 2"x2"

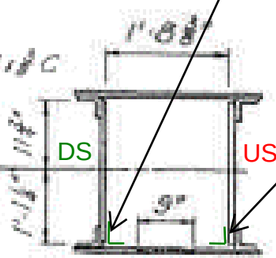
1/8" SL 5"x5"

EST. 1/16" SL BETWEEN PLATES & RIGHT OF SPLICE PLATE B.F. ANGLE

EST. 1/16" SL TOPES OF B.F. ANGLE

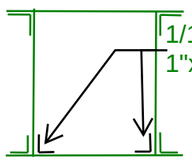
5/8" LAT. BARRING PLATE

1/8" SL 1"W VERT. & HORZ. FACE 120" LONG PHOTO: 24



L68 - L69

4 Ls 4x4x⅜ C
2 Rs 24x⅜ C
1 T.R 3½x⅜ C
1 B.R 3½x⅜ C



1/16" SL 1"x1"x16'L

L68-L69 DS

Notes: Elevation View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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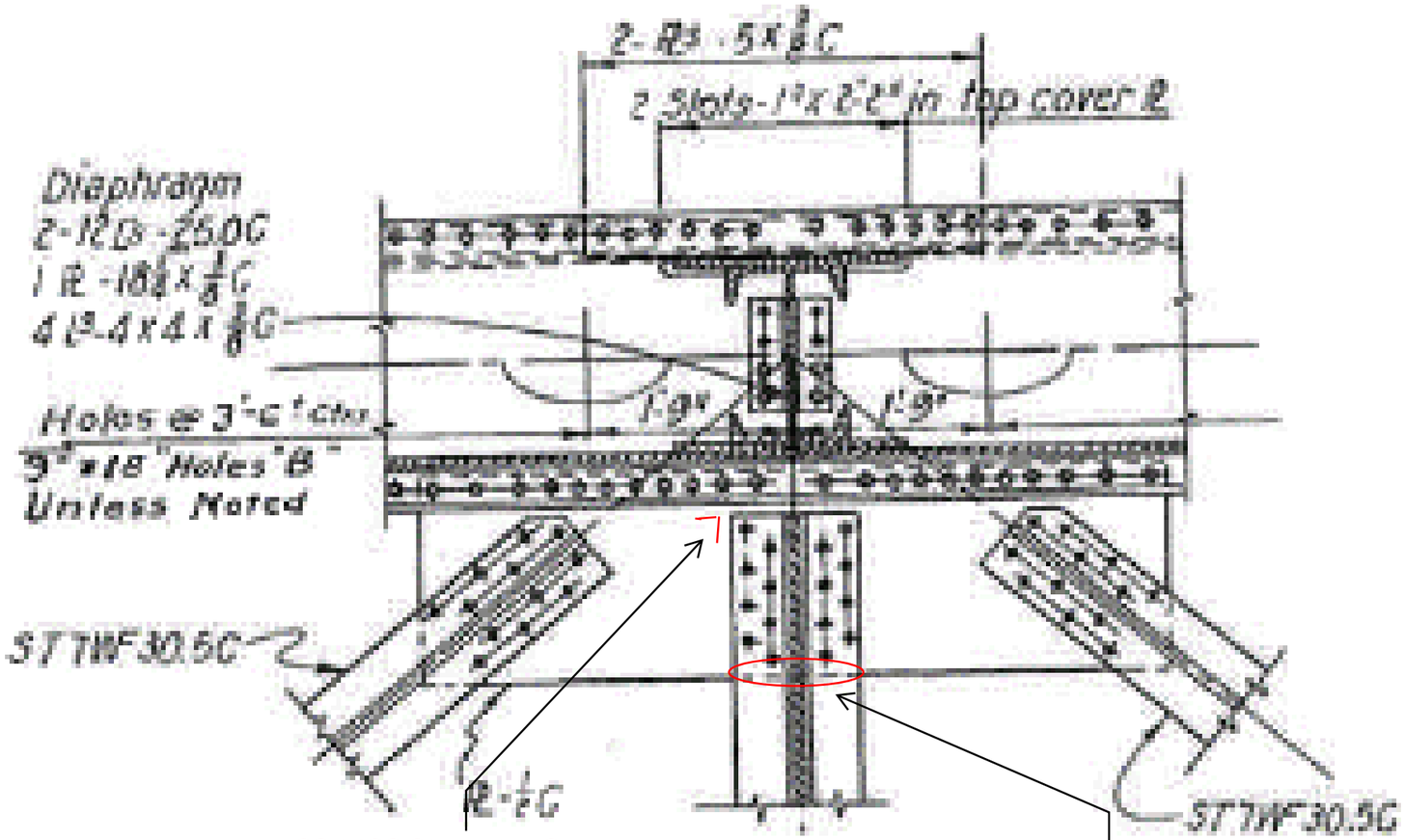
Span No. 5 Truss location L 69

EB / JP 5-5-22

UP STREAM (US)

DOWN STREAM (DS)



CORROSION AT INT. OF ANGLE CONN. BTM CHORD & FB WEB @ BOTTOM

WEST ←

EAST →

P.R. 1/16" CAUSING DISTORTION IN PLATE AROUND 6"

Notes: Plan View

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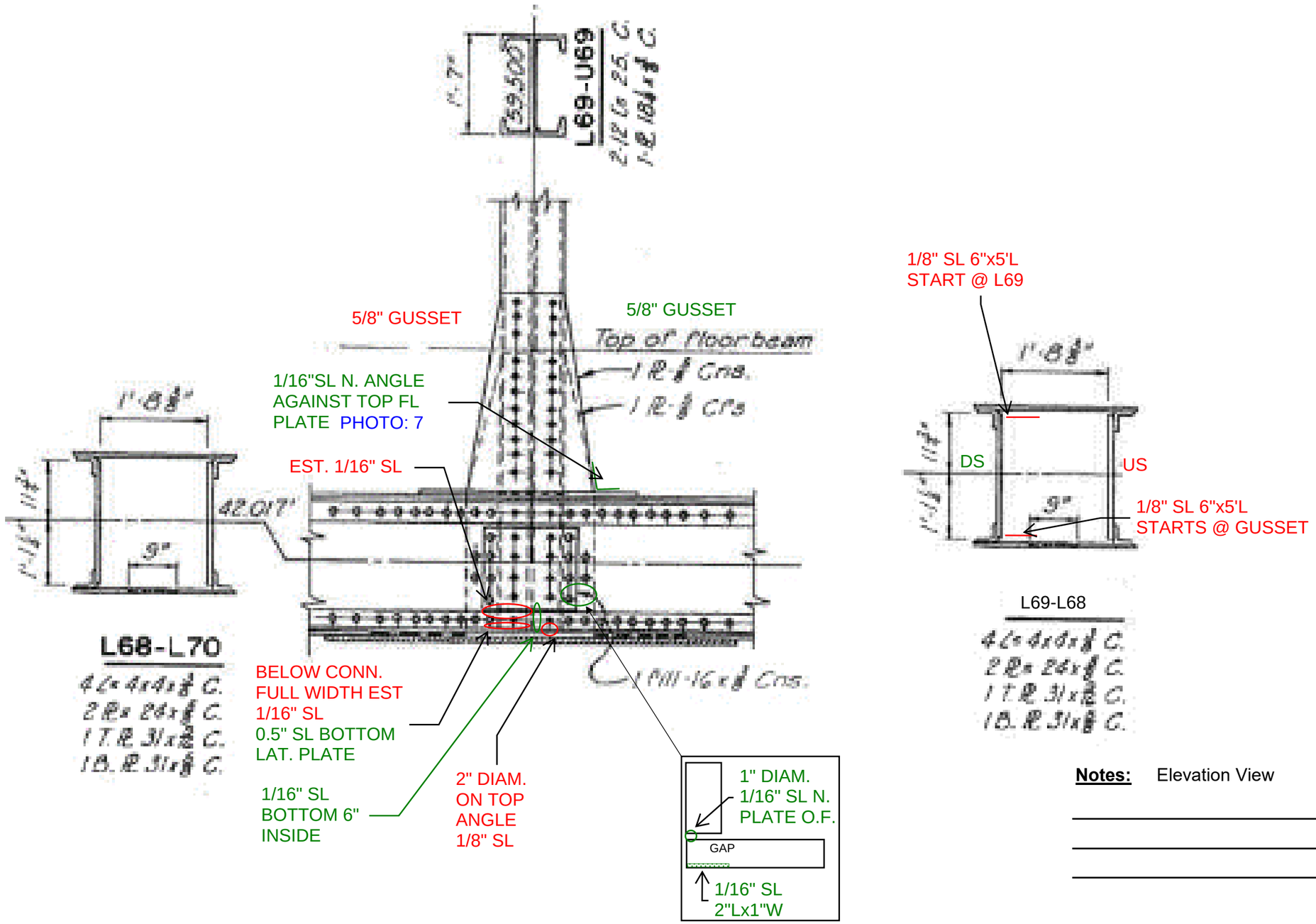
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM / JSP Date: 5-6-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 5 Truss location L 69

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L69

UP STREAM (US)

DOWN STREAM (DS)



Notes: Elevation View

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Upstream Panel Point (North)
Downstream Panel Point (South)
Photo Number

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB + JP Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 70

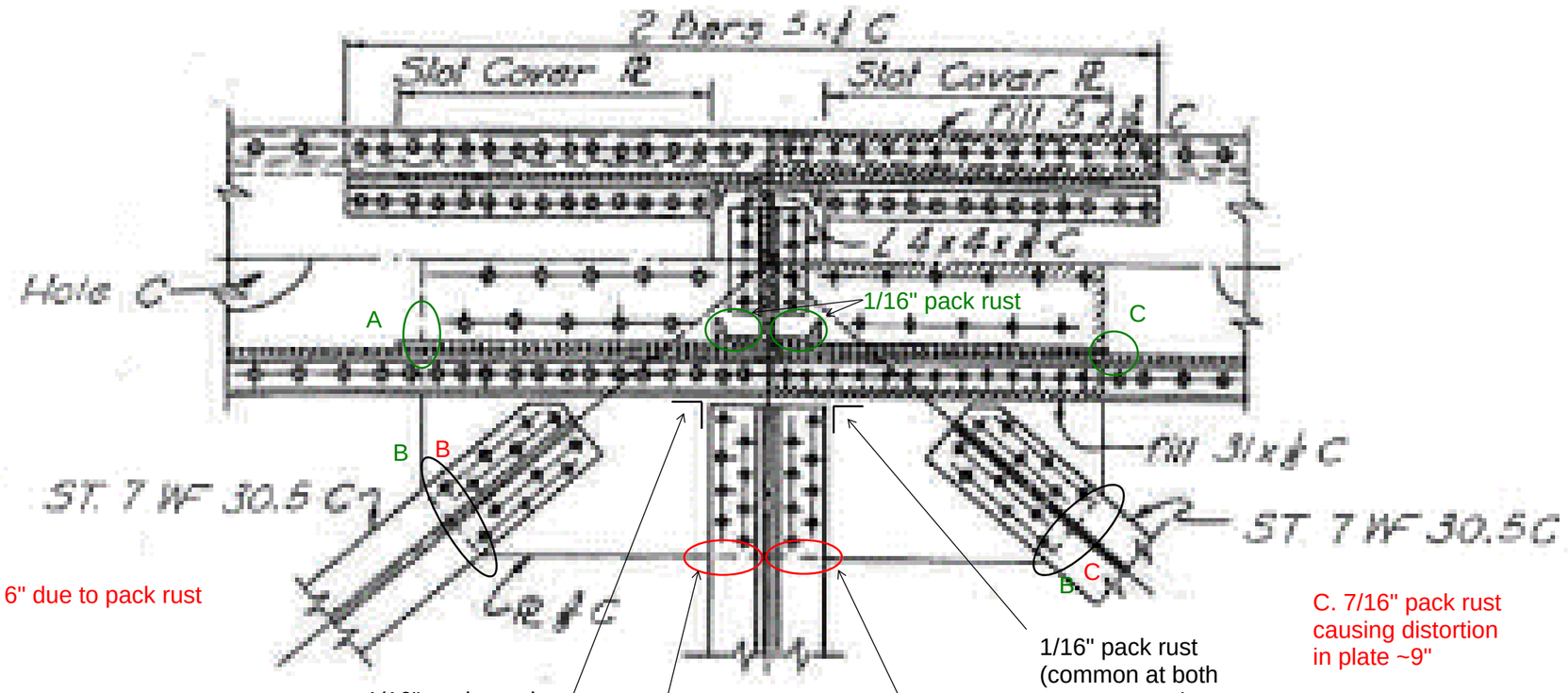
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L70

A. Pack Rust up to 3/8" causing distortion in plate for about ~7" along plate between rivets (533-534)

B. 1/16" pack rust in plate causing up to 3/8" distortion in plate

C. Pack rust in plate causing up to 1/2" causing distortion in plate for about ~12" along plate

Minor surface rust and paint failure on bottom plate at both upstream and downstream panel point



B. 1/8" distortion for 6" due to pack rust

1/16" pack rust in connection between floor beam and bottom chord (common at both upstream and downstream panel points)

4" x 1/4" tall pack rust causing plate distortion (537-538)

1/16" pack rust (common at both upstream and downstream panel points)

C. 7/16" pack rust causing distortion in plate ~9"

East

East

Notes: Plan View

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Upstream Panel Point (North)
Downstream Panel Point (South)
Photo Number

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
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Description: Bridge No. 02899
Span No. 5 Truss location L 70

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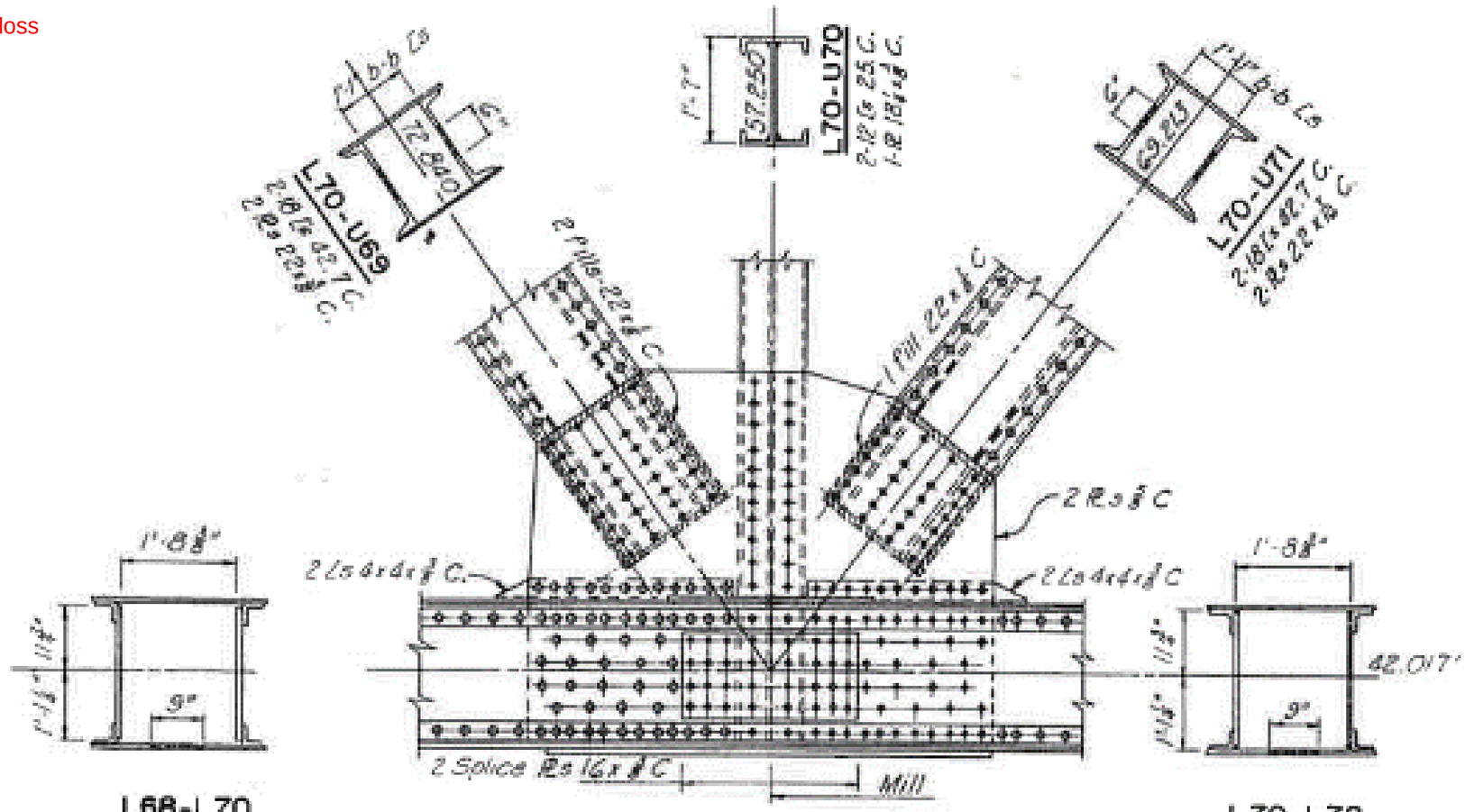
paint loss



Notes: Elevation View

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Upstream Panel Point (North)
Downstream Panel Point (South)
Photo Number

Job: ARDOT 110812 --- Bridge Preservation
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Description: Bridge No. 02899
Span No. 5 Truss location L 71

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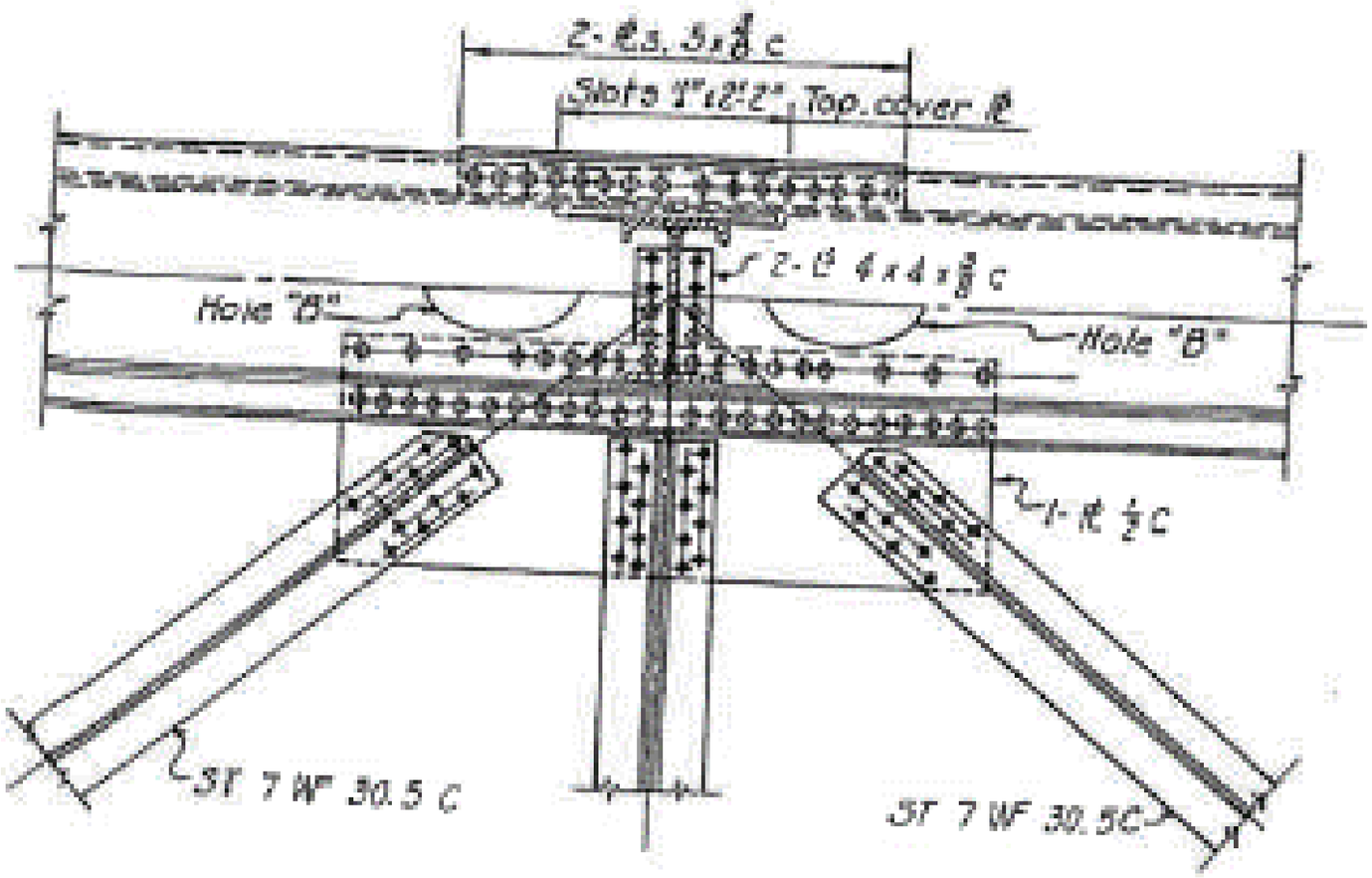
No notes



Notes: Plan View

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Upstream Panel Point (North)
Downstream Panel Point (South)
Photo Number

Job: ARDOT 110812 --- Bridge Preservation
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Description: Bridge No. 02899
Span No. 5 Truss location L 71

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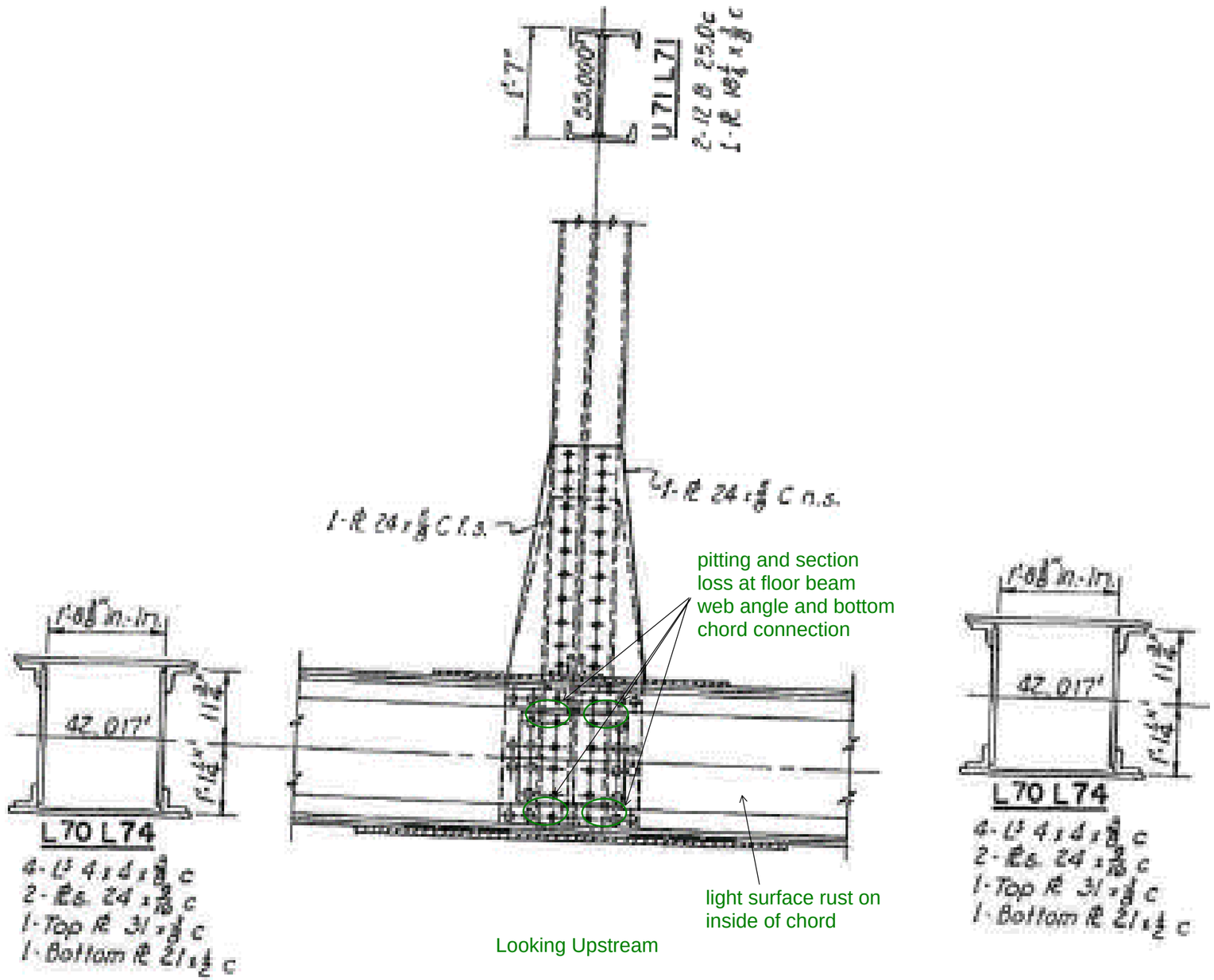

Looking Upstream

Notes: Elevation View

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Upstream Panel Point (North)
Downstream Panel Point (South)
Photo Number

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB + JP Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 72

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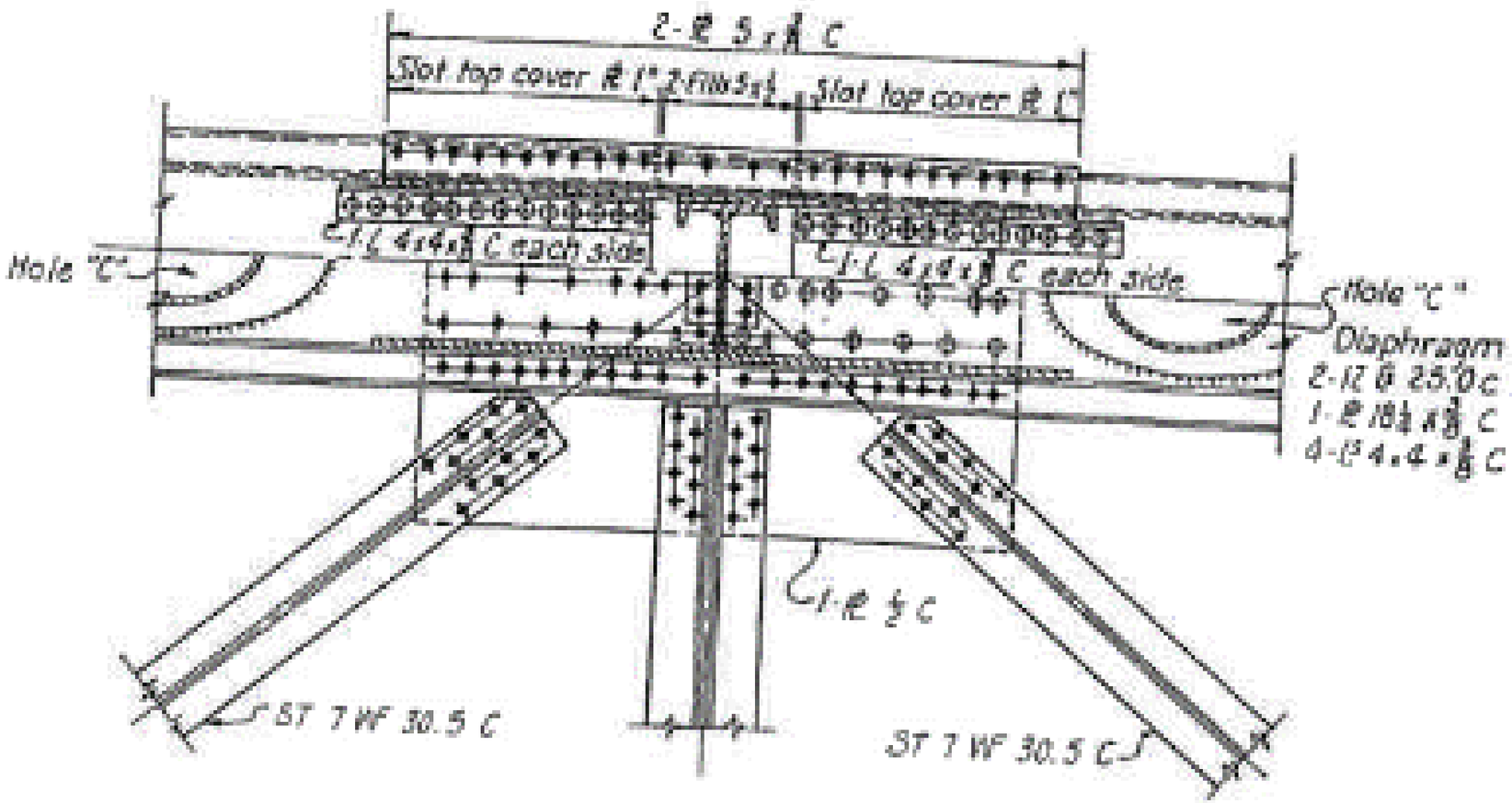
No notes



Notes: Plan View

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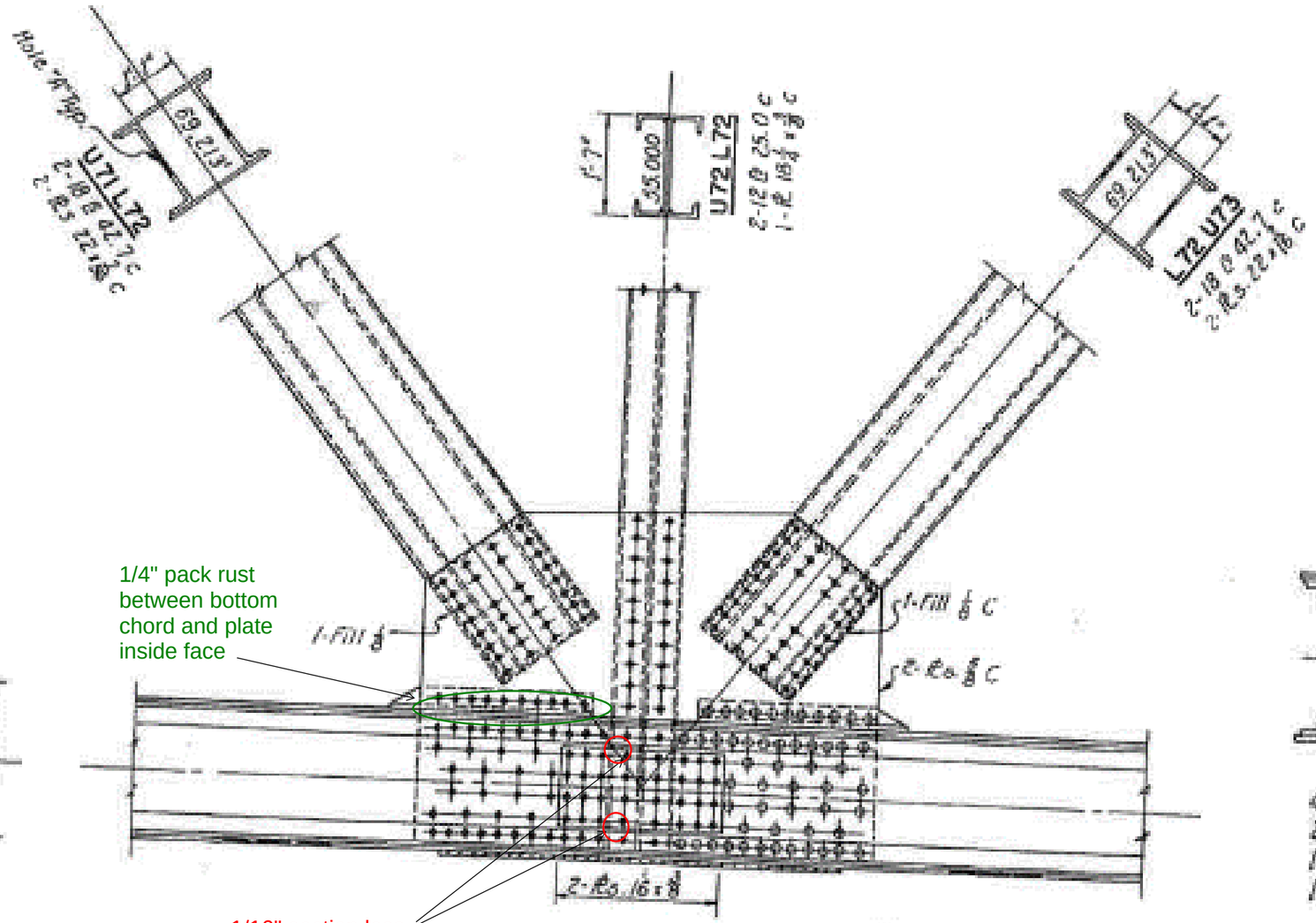
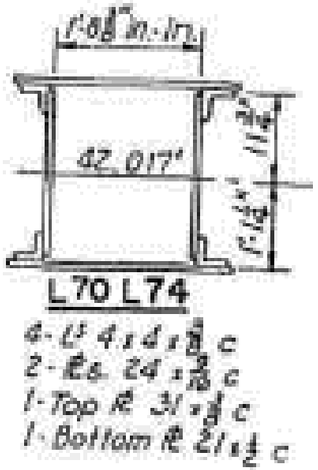
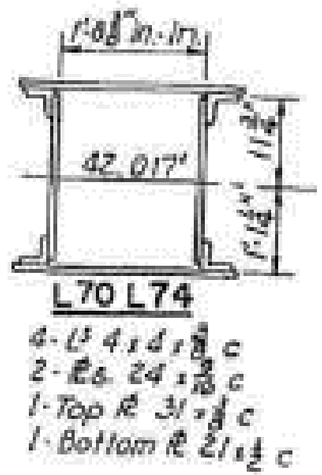
Upstream Panel Point (North)
Downstream Panel Point (South)
Photo Number

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB + JP Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 72

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L72







Notes: Elevation View

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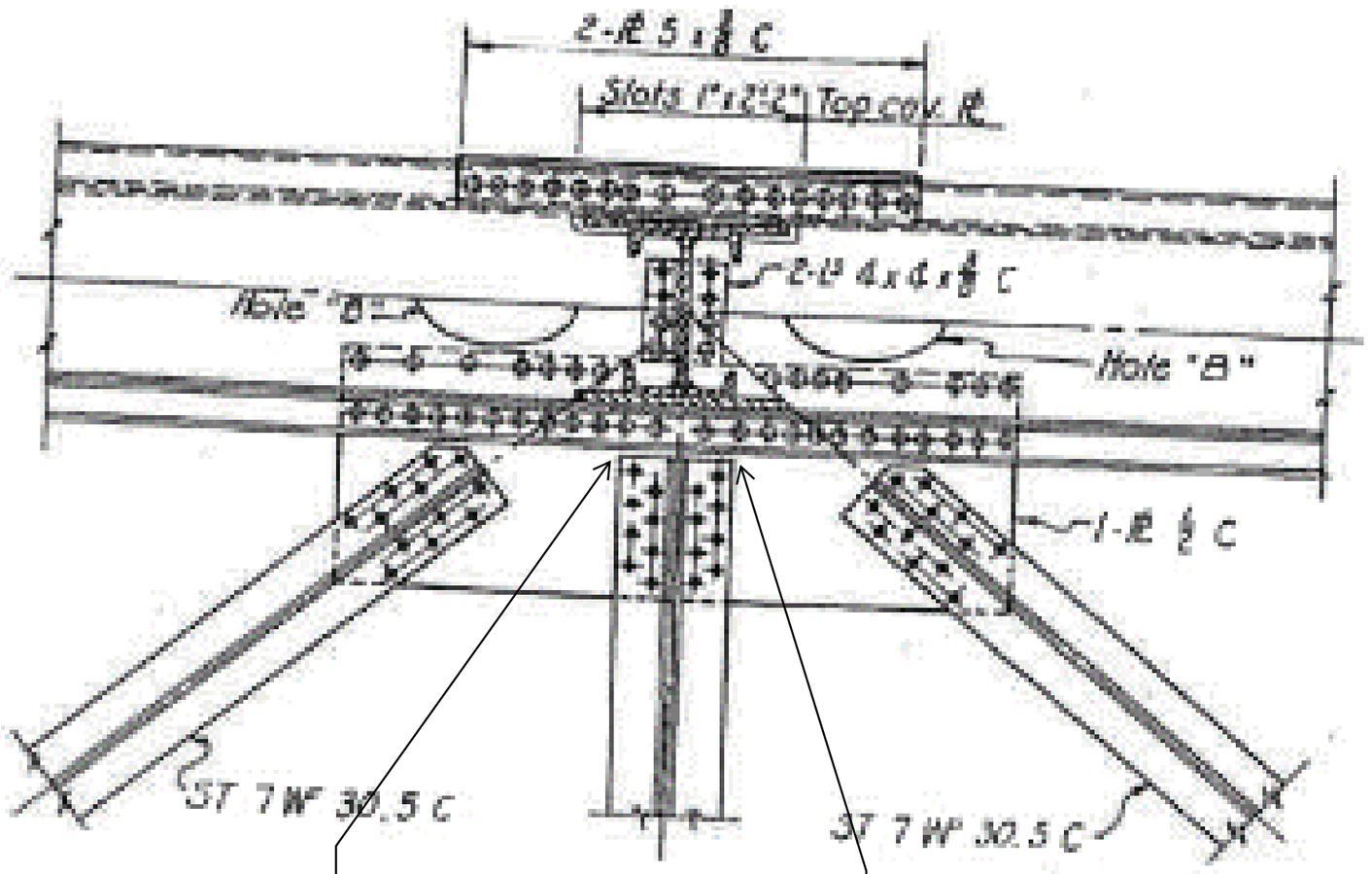
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB / JP Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No. 5 Truss location L 73

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L73

UP STREAM (US)

DOWN STREAM (DS)



SAME SECTION LOSS
ON DS W. SIDE

INSIDE HAVE 1/16"
SL ON LOW CHORD
BF ANGLE E. SIDE
SAME ON DS
PHOTO: 33-34

Notes: Plan View

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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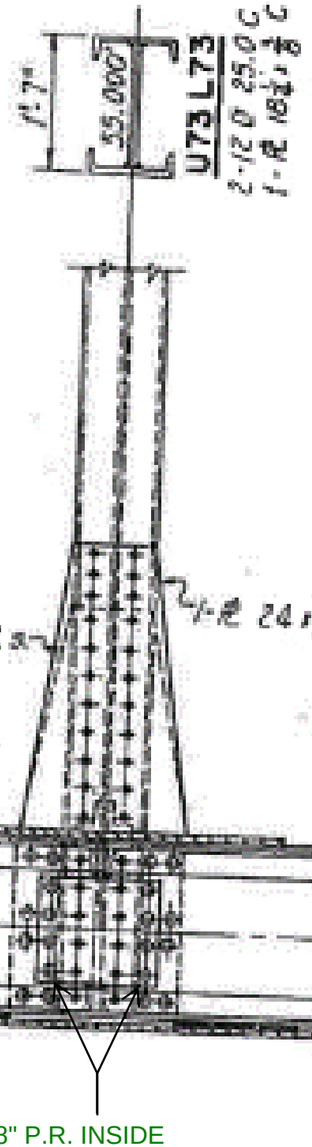
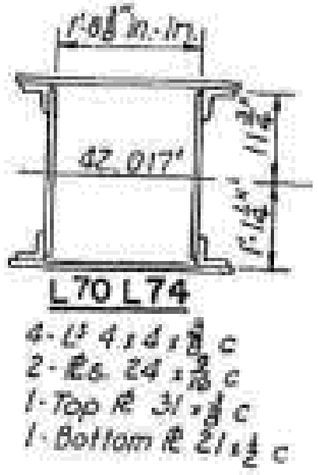
Description: Bridge No. 02899
Span No. 5 Truss location L 73

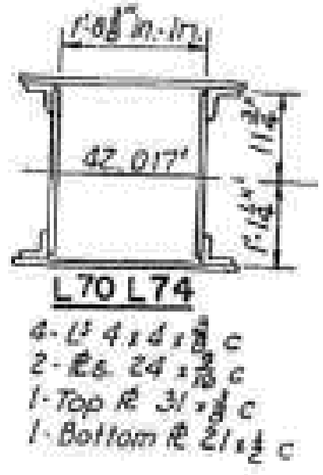
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L73

UP STREAM (US)

DOWN STREAM (DS)







7/8" P.R. INSIDE FACE OF ANGLE DS SIDE

Notes: Elevation View

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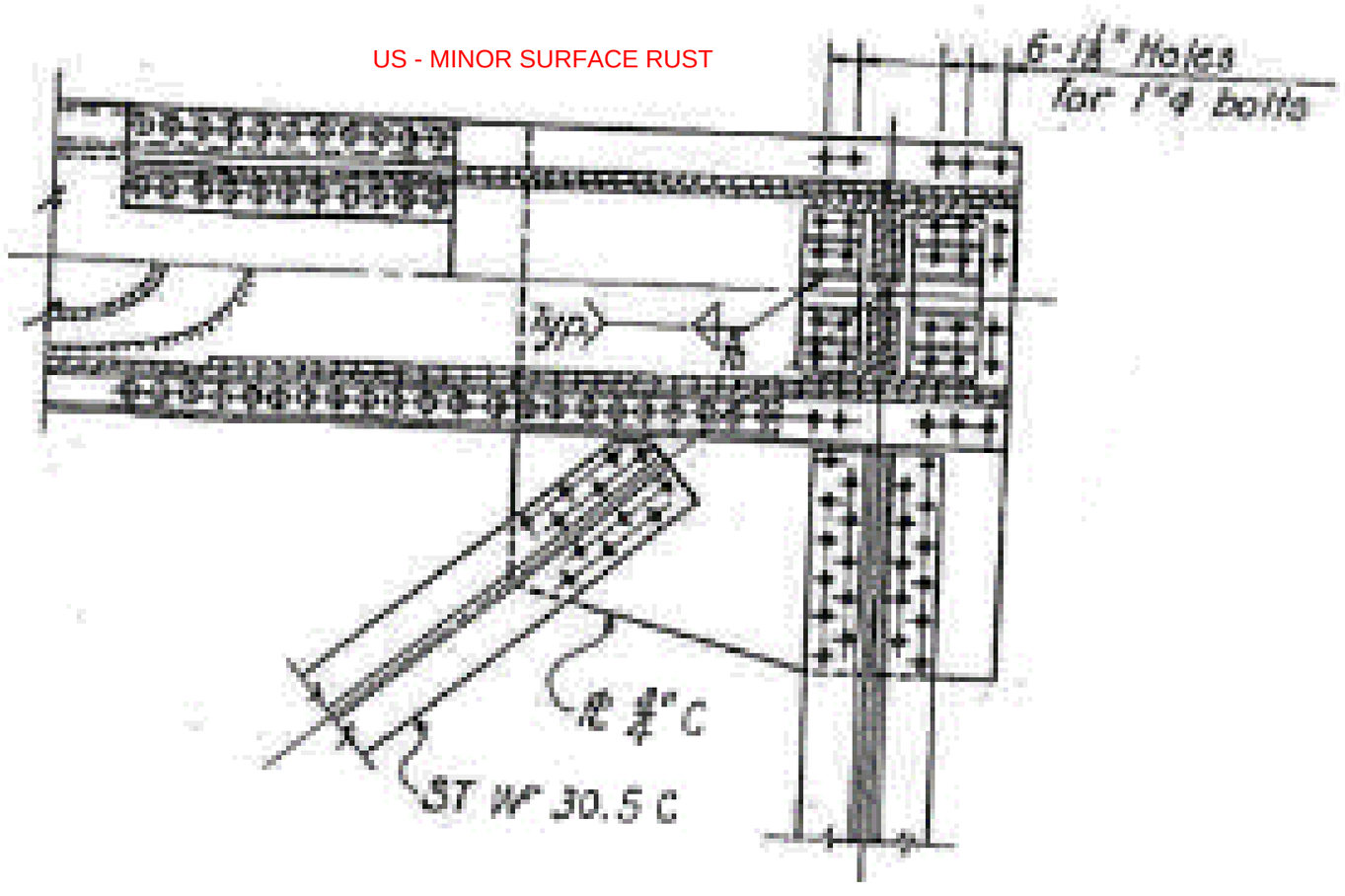
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: EB / JP Date: 5-4-22
Checked by: ____ Date: ____
Description: Bridge No. 02899
Span No. 5 Truss location L 74

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Plan View L74

UP STREAM (US)

DOWN STREAM (DS)

US - MINOR SURFACE RUST



Notes: Plan View

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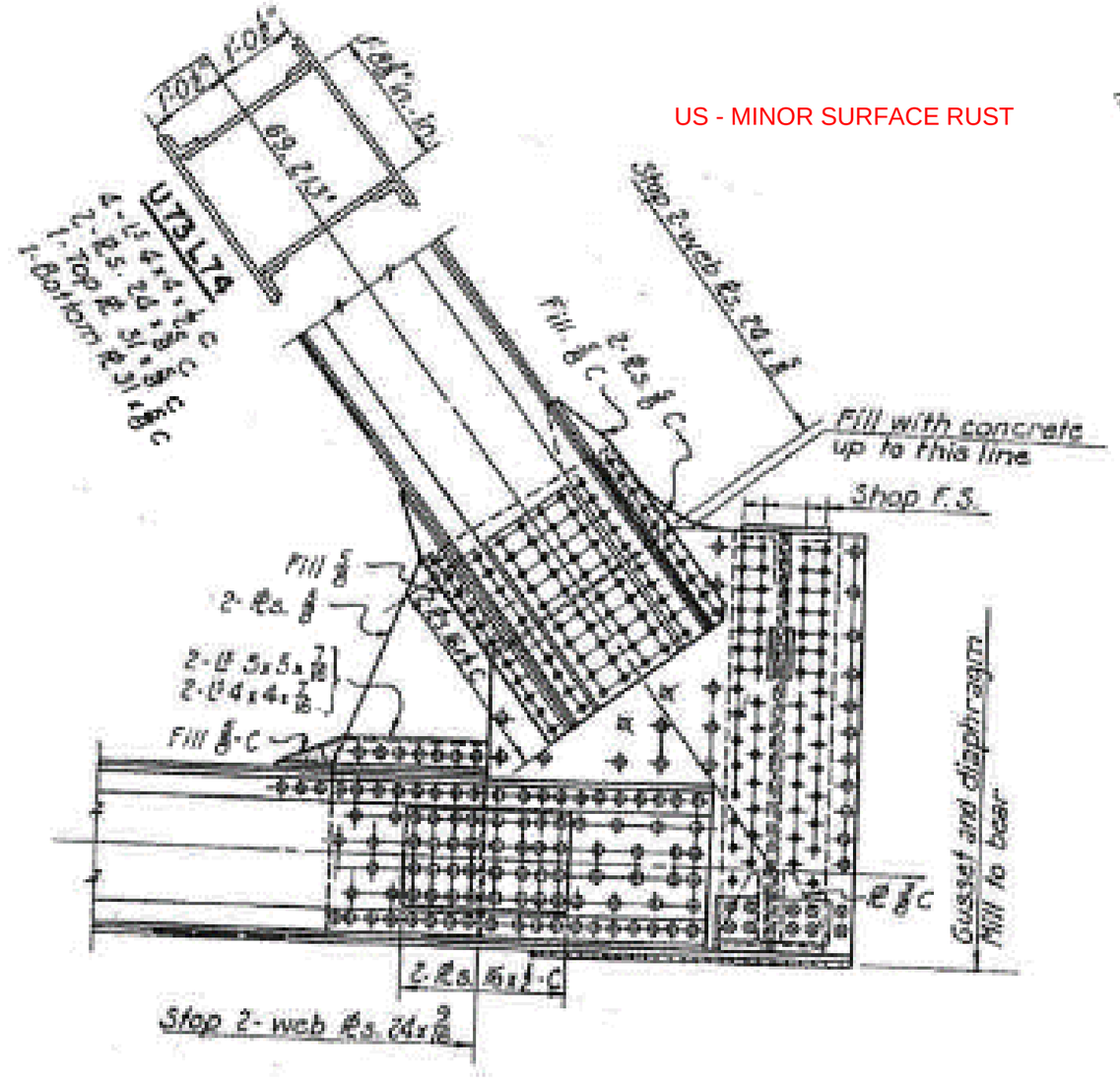
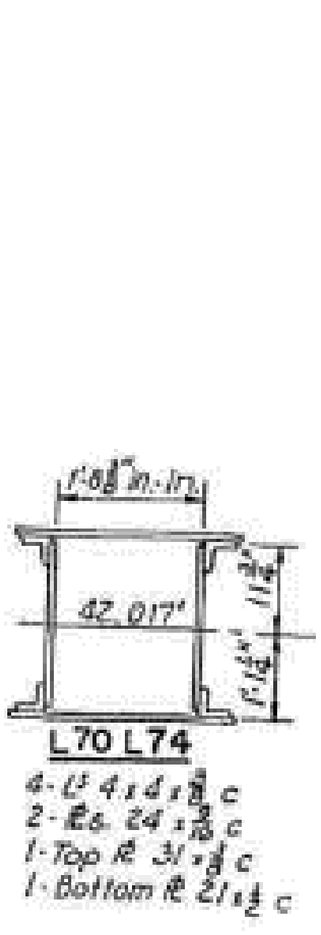
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]Elevation View L74

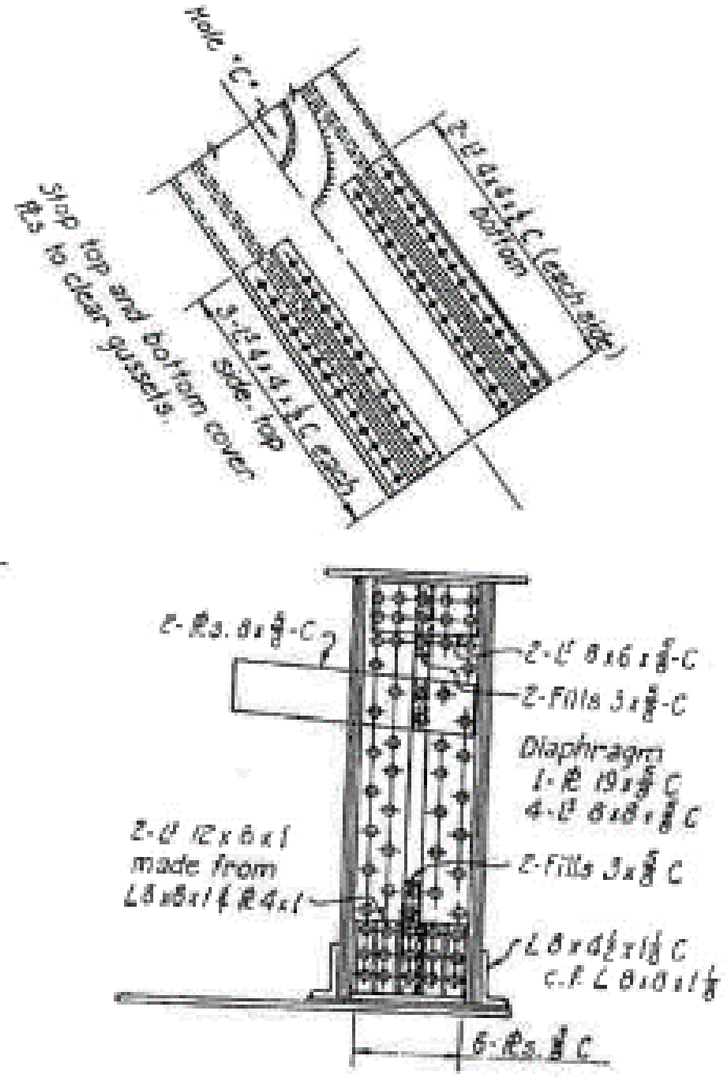
UP STREAM (US)

DOWN STREAM (DS)

US - MINOR SURFACE RUST







Notes: Elevation View

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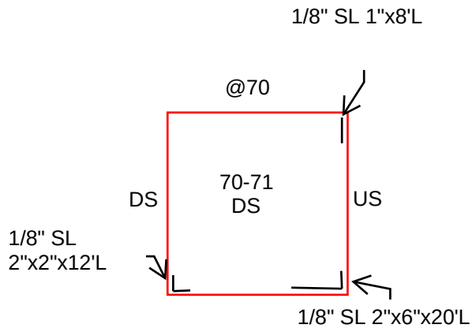
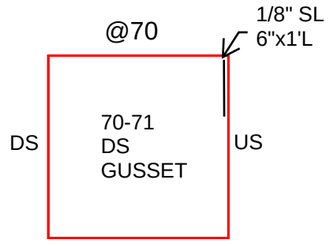
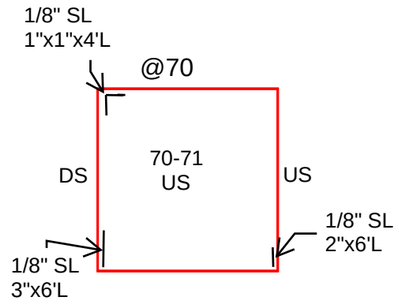
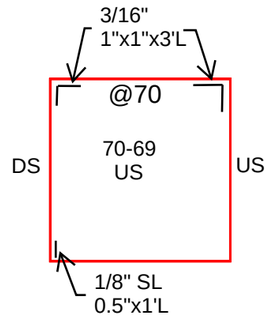
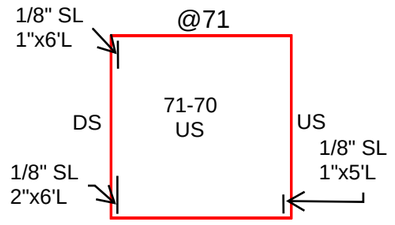
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Truss Templates_Photo Log.xlsx]

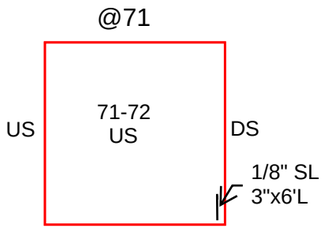


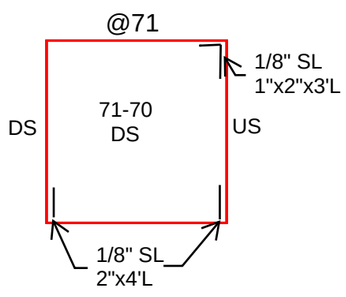


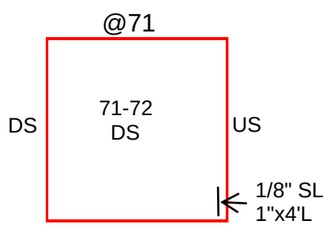


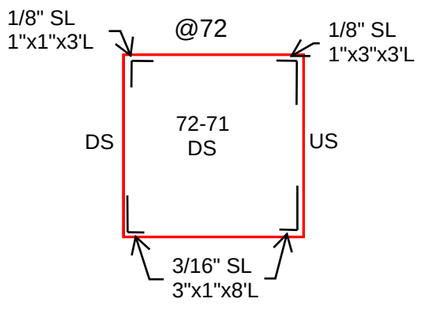


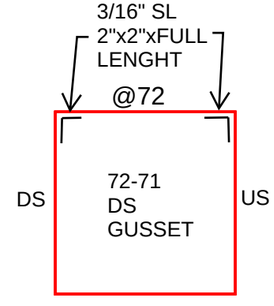


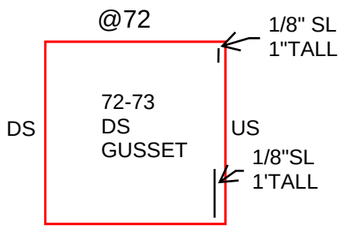


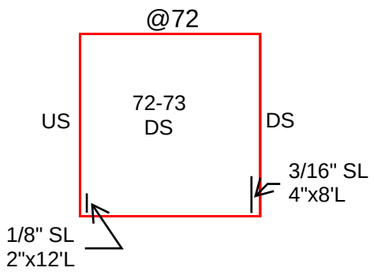


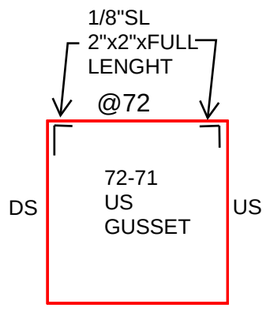


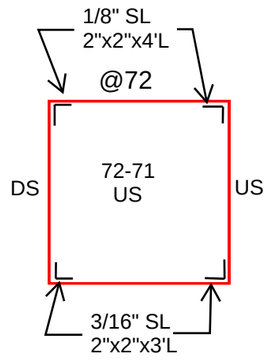


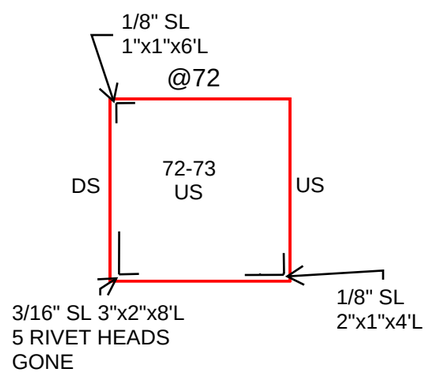












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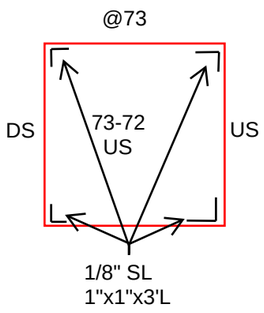
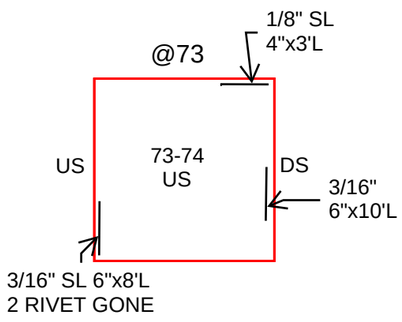
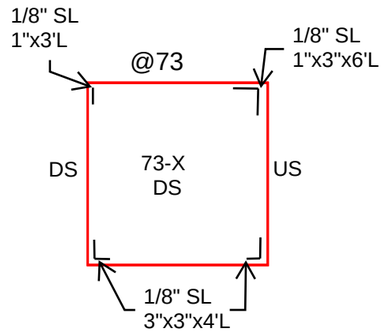
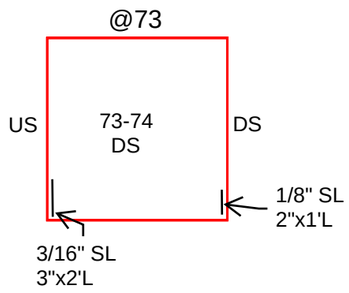
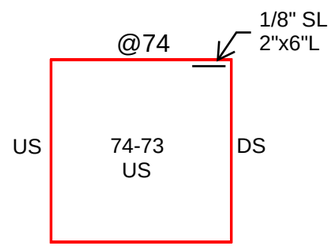
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB / JP Date: 5-4-22
Checked by: _____ Date: _____
Description: Bridge No. 02899
Span No.___ Truss location_____

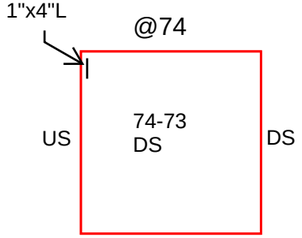












APPENDIX D: FIELD NOTES - FLOOR BEAMS

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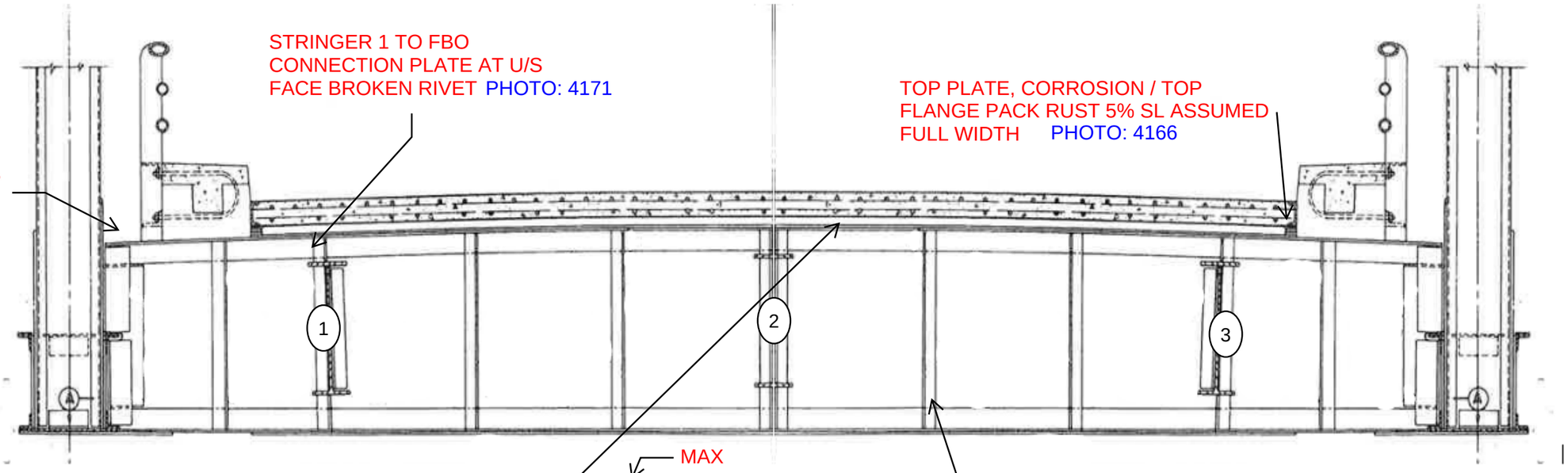
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-3-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



STRINGER 1 TO FBO CONNECTION PLATE AT U/S FACE BROKEN RIVET PHOTO: 4171

SL AT TOF FLG TOP PL. PHOTO: 4170

TOP PLATE, CORROSION / TOP FLANGE PACK RUST 5% SL ASSUMED FULL WIDTH PHOTO: 4166

MAX

BOTTOM OF TF ANGLE , 5/16" x 6" L x FULL WIDTH SECTION LOSS AT WEST FACE ONLY (SIMILAR THROUGHOUT) PHOTO: 4166

WEB PLATE, 3/16" SL, TYP. AT EACH STIFFENER AT WEST FACE ONLY PHOTO: 4167

Panel Point
FB 0
FACING EAST

Notes:

FINGER PLATE TROUGH DETACHED FOR 4'AT DS END

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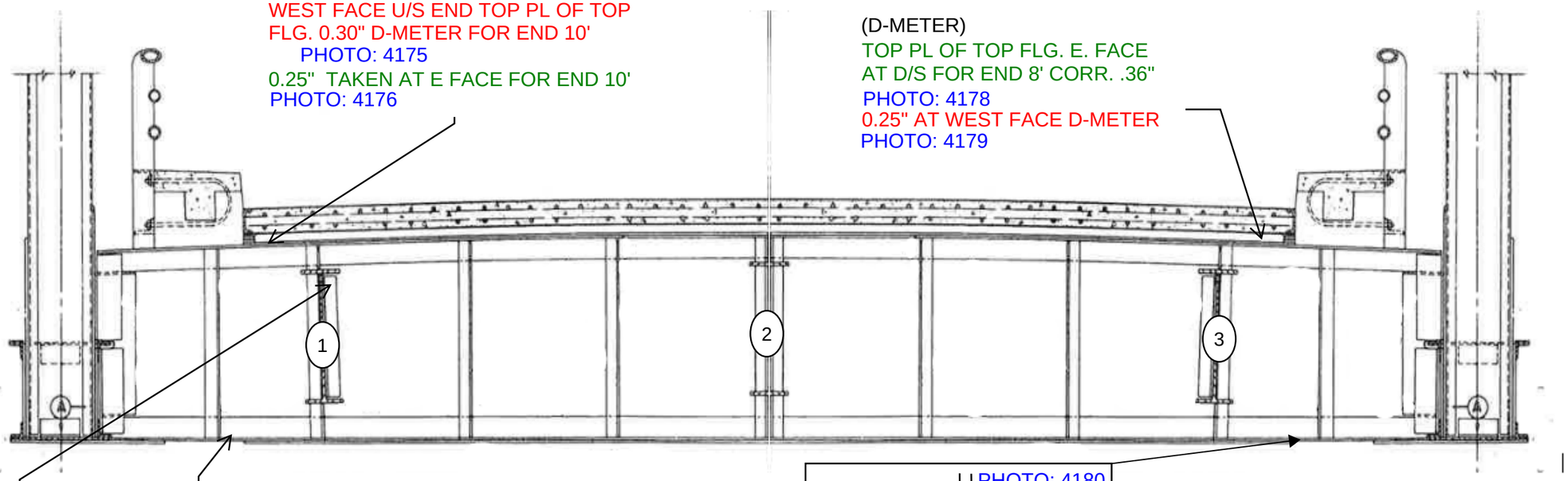
West Face (AR)
East Face (MS)
Photo Number

(D-METER)
WEST FACE U/S END TOP PL OF TOP FLG. 0.30" D-METER FOR END 10'
PHOTO: 4175
0.25" TAKEN AT E FACE FOR END 10'
PHOTO: 4176

(D-METER)
TOP PL OF TOP FLG. E. FACE AT D/S FOR END 8' CORR. .36"
PHOTO: 4178
0.25" AT WEST FACE D-METER
PHOTO: 4179



BOT. LEG OF WEST ANGLE
CORR. W/ NOTED D-METER PHOTO: 4174

(D-METER)
0.41" 0.42" 0.54"

FB 1 TO STR. 1 CONN. PL AT
D/S FACE, BROKEN RIVET
PHOTO: 4177

PHOTO: 4180
E W
0.65" 0.62"
0.61" 0.56" 0.28" 0.38"
(D-METER)

Panel Point
FB 1

FACING EAST

Notes:

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West Face (AR)
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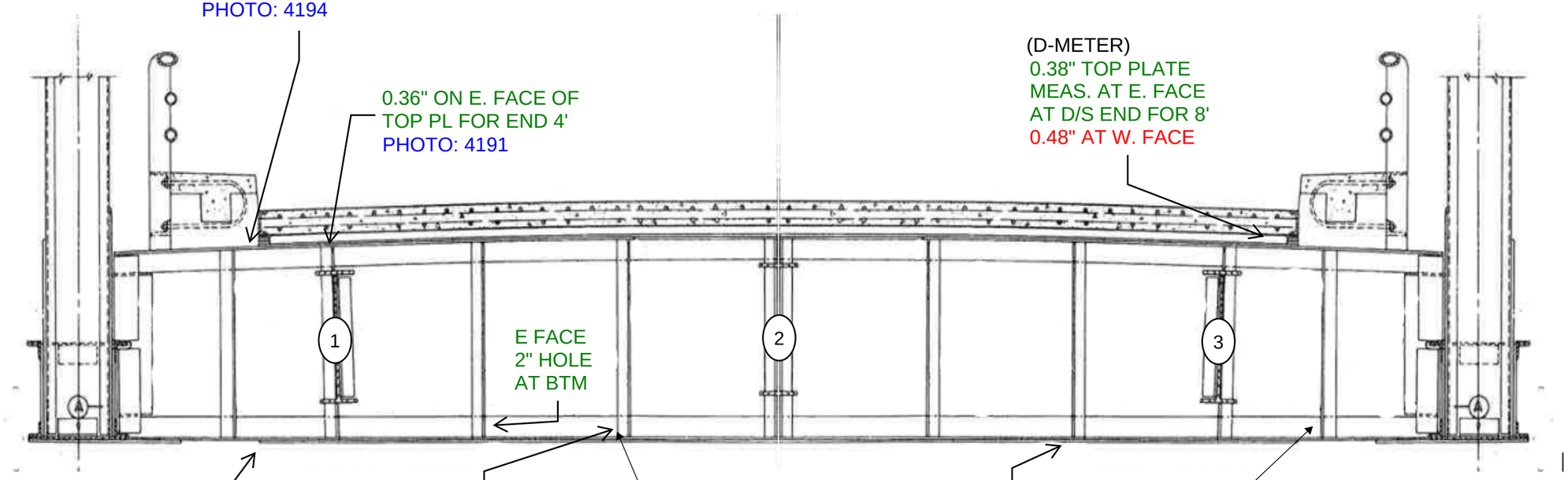
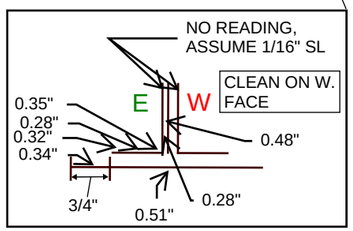
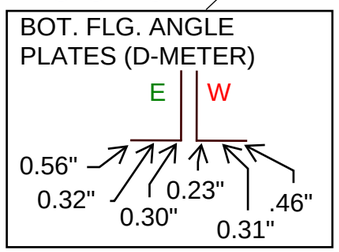




Panel Point
FB 2
FACING EAST

PHOTO: 4184



Notes:

SL AT BOT OF STIFF. E. FACE, TYP, AT FB 2

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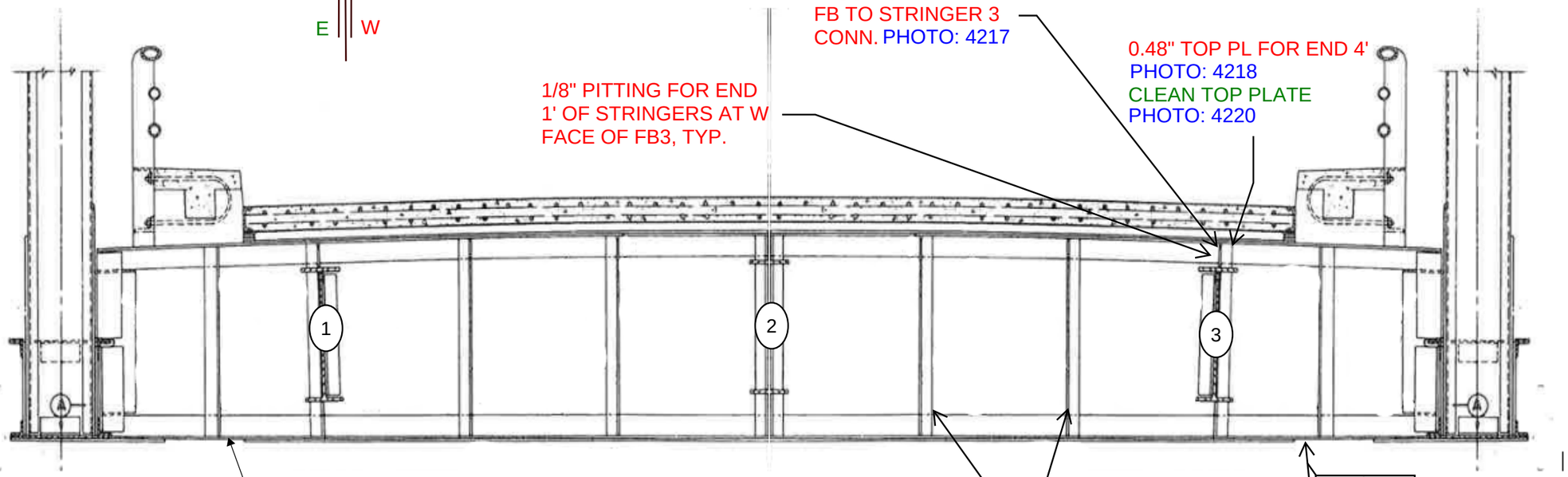
West Face (AR)
East Face (MS)
Photo Number

FOR END 4'
PHOTO: 4196
0.63" 0.51"
0.65"
E W



MISSING BOLT AT FB TO STRINGER 3 CONN. PHOTO: 4217

1/8" PITTING FOR END 1' OF STRINGERS AT W FACE OF FB3, TYP.

0.48" TOP PL FOR END 4'
PHOTO: 4218
CLEAN TOP PLATE
PHOTO: 4220

UP TO 1/4" ON BTM LEGS
PHOTO: 4216
E W

5/16" SL ON W ANGLE BTM FLG.
PHOTO: 4214

E W
UP TO 1/8" ON BTM LEGS
PHOTO: 4201

Panel Point
FB 3

FACING EAST

Notes:

STRINGER 2 AT FB3 PIN AND HANGER AT W FACE: PHOTO: 4202-4212
1.) LARGE VIBRATIONS UNDER LL MOVIE: 4206
2.) WEAR ON PINS AND HANGERS
3.) 3/4" SEPERATION BETW. WEB & HANGER AT N. FACE OF STRINGER WEB
4.) SEPERATION BETW. BTM. FLANGE OF DECK JOIST SHIM PLATE AND TOP FLANG OF STRINGER 2
5.) DISTORTION IN WEB OF STRINGER AT DS FACE

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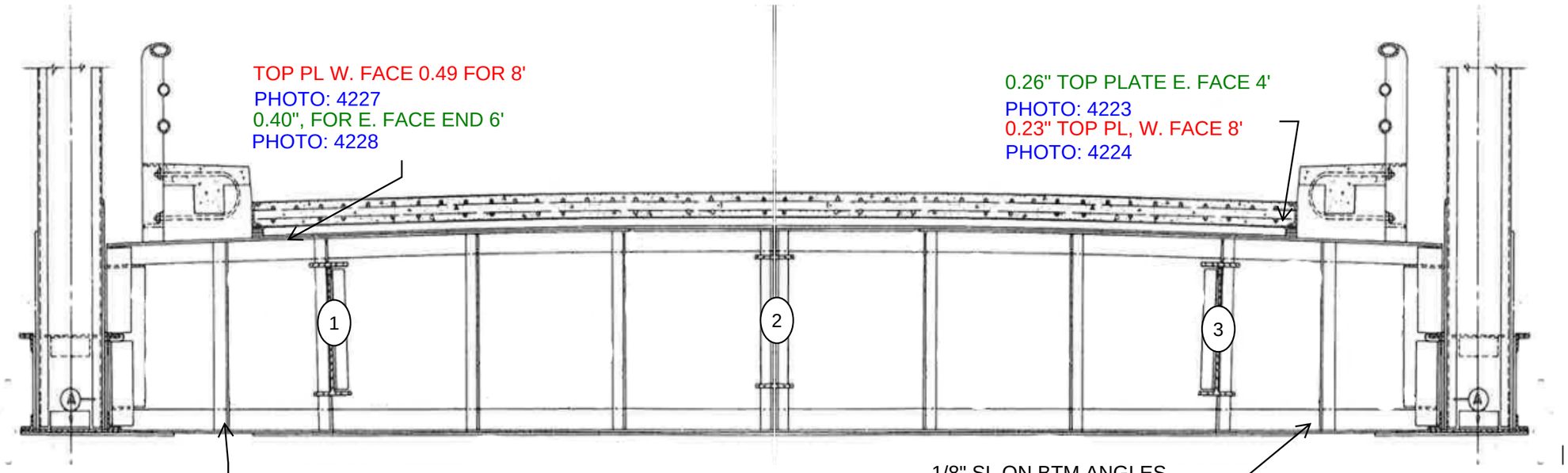
West Face (AR)
East Face (MS)
Photo Number



TOP PL W. FACE 0.49 FOR 8'
PHOTO: 4227
0.40", FOR E. FACE END 6'
PHOTO: 4228

0.26" TOP PLATE E. FACE 4'
PHOTO: 4223
0.23" TOP PL, W. FACE 8'
PHOTO: 4224

W FACE OF STIFF. 0.48
FOR 10" AT BTM
PHOTO: 4229

1/8" SL ON BTM ANGLES
BOTH E. & W. ANGLES
PHOTO: 4222
0.38" ON W. FACE
PHOTO: 4225

Panel Point
FB 4

FACING EAST

Notes:

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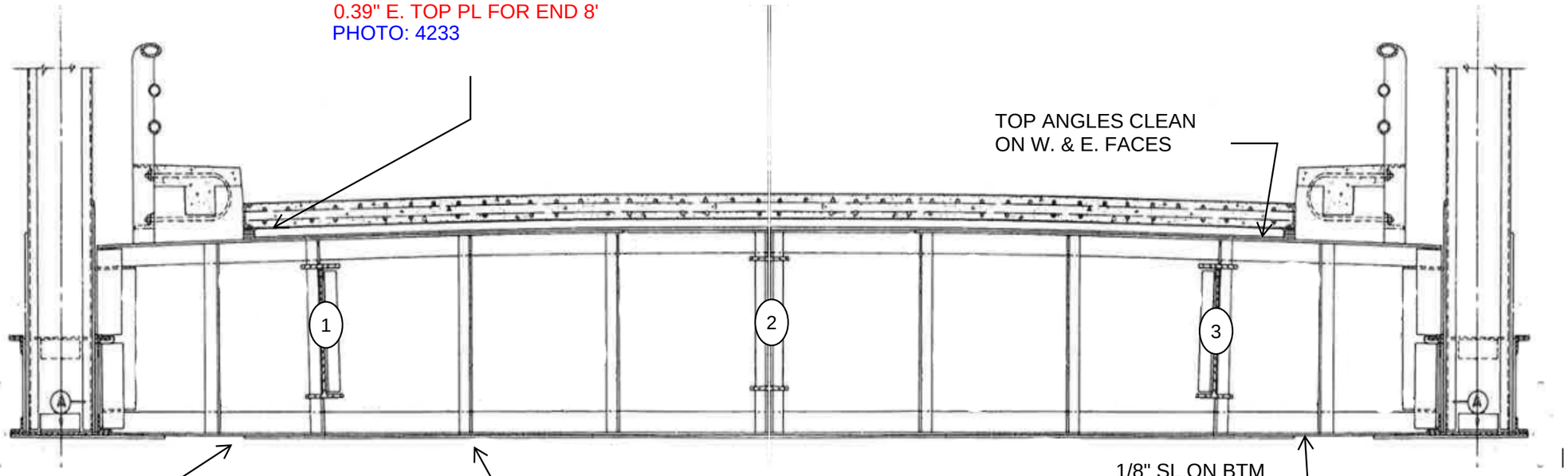
West Face (AR)
East Face (MS)
Photo Number

100% SL FOR 1/4" W. OF ANGLES FOR END 1'
0.5" W. TOP PL
PHOTO: 4232
0.39" E. TOP PL FOR END 8'
PHOTO: 4233

TOP ANGLES CLEAN ON W. & E. FACES



1/8" SL IN BTM ANGLES
PHOTO: 4231

1/8" PITTING ON BTM PLATE FOR 1'
PHOTO: 4234

1/8" SL ON BTM ANGLES
PHOTO: 4235

Notes:

Panel Point
FB 5
FACING EAST

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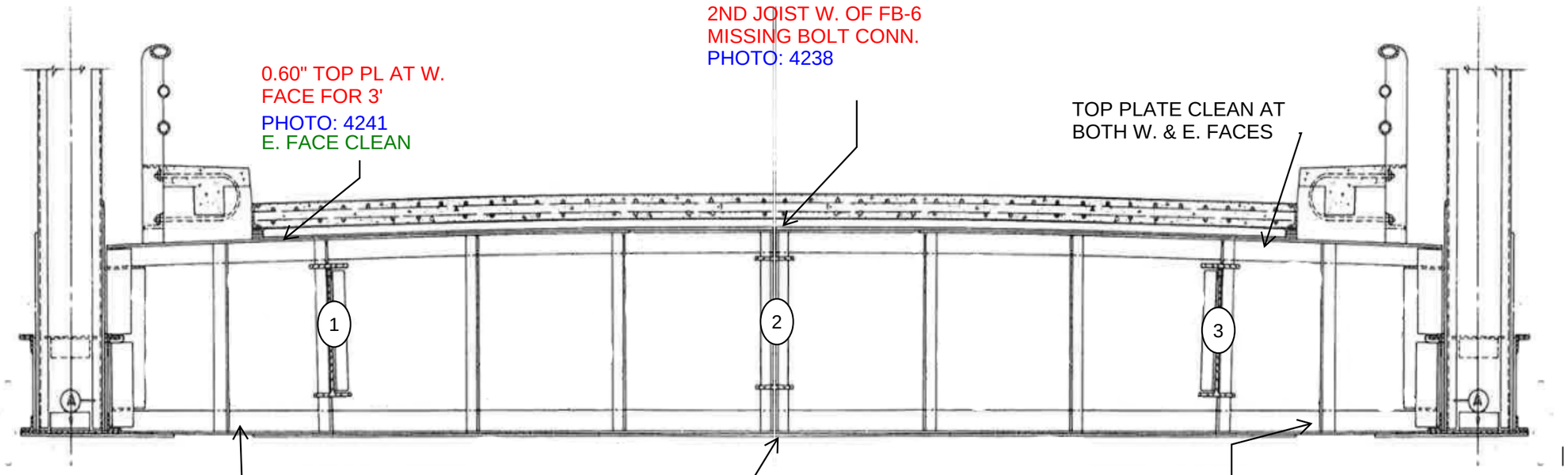
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 6
FACING EAST

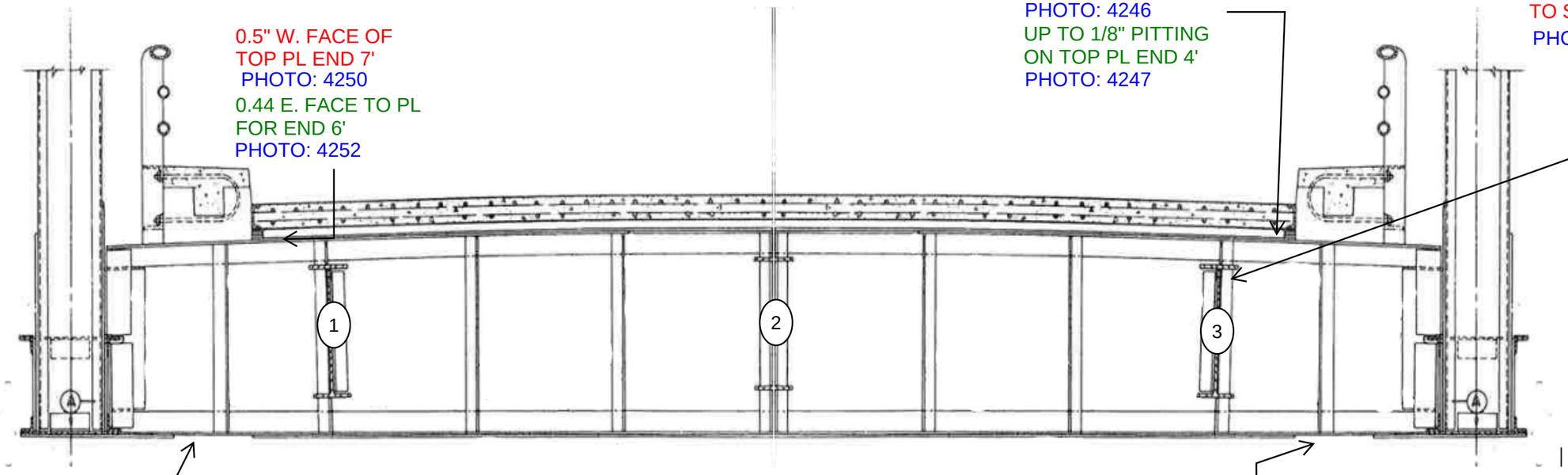
Notes:

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 7
FACING EAST

Notes:

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Little Rock, AR 72201

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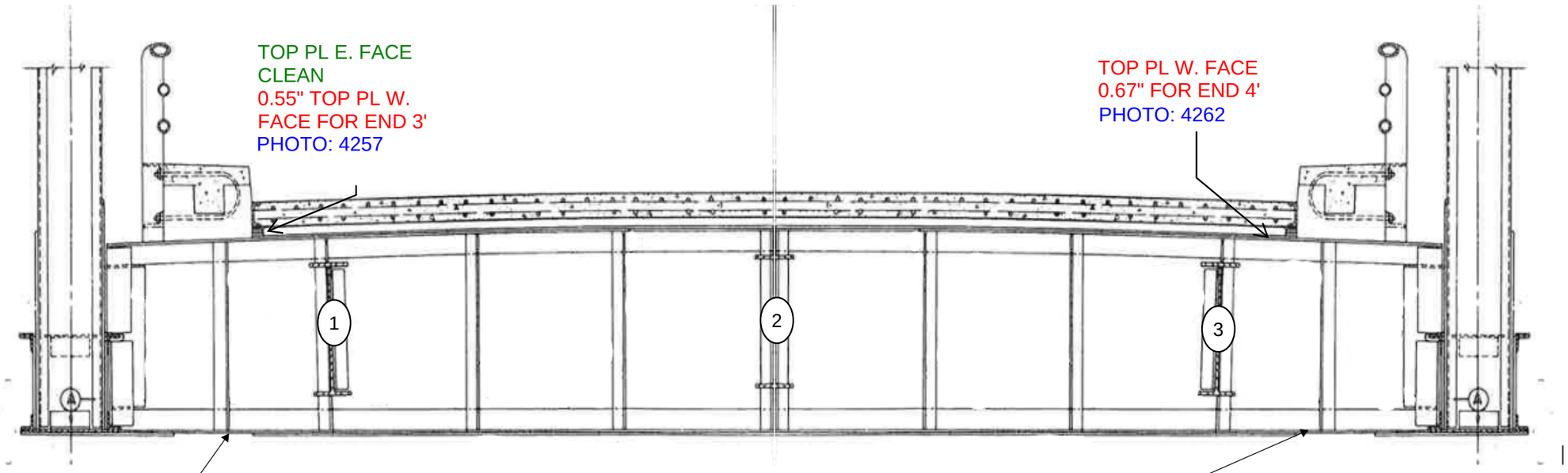
West Face (AR)
East Face (MS)
Photo Number



E W 5/16" SL x 6" DIAM. PHOTO: 4258
3/16" SL
PHOTO: 4259

E W
1/4" SL
PHOTO: 4263

Panel Point
FB 8

FACING EAST

Notes:

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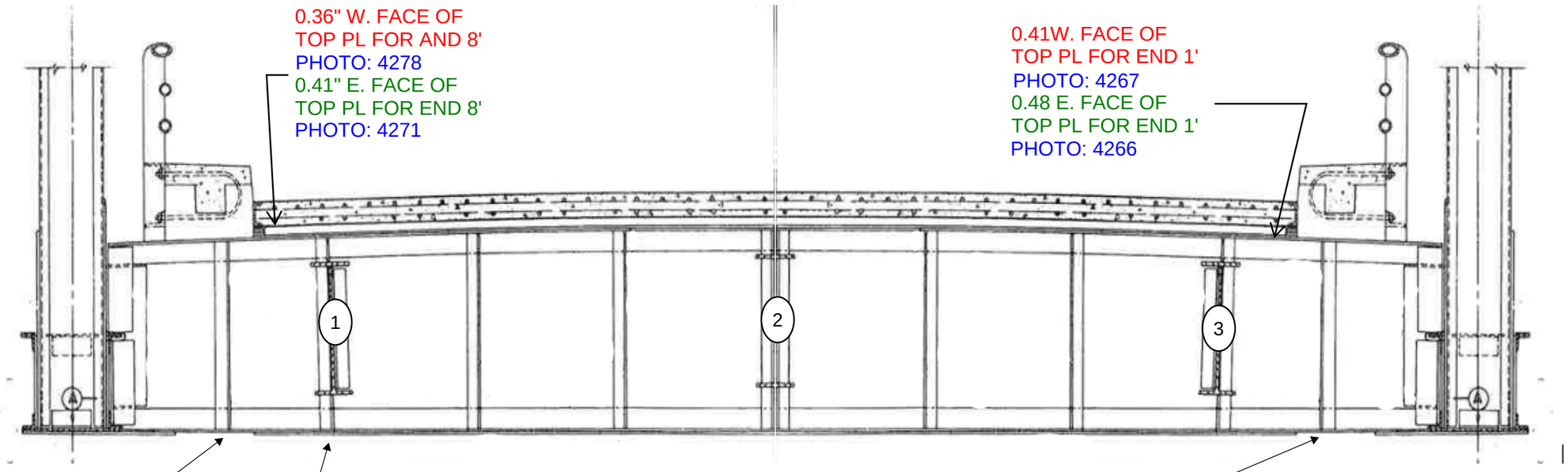
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 9
FACING EAST

Notes:

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Sheet No. _____ of _____
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Checked by: _____ Date: _____
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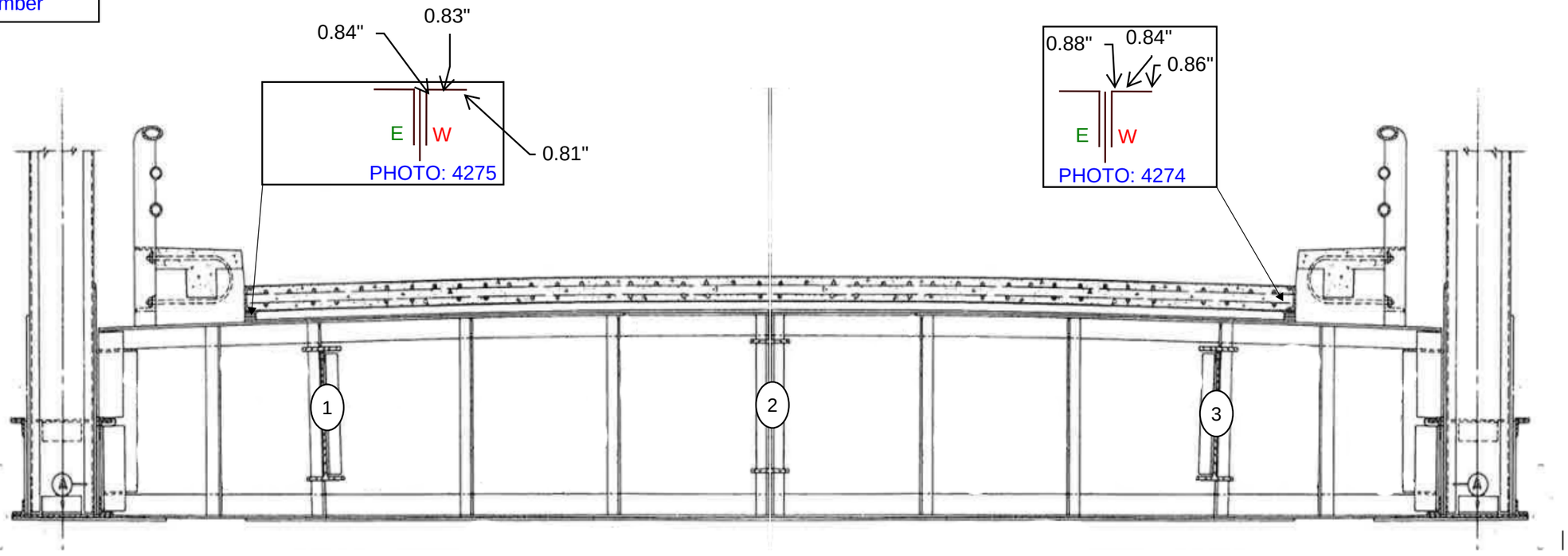
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 10

FACING EAST

Notes:

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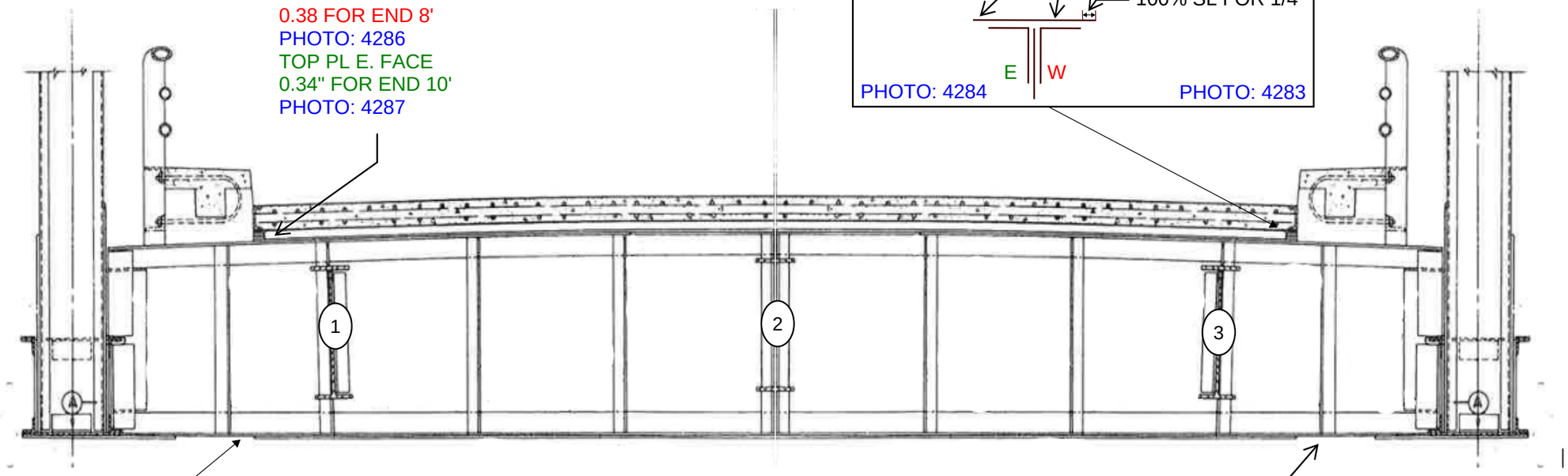
West Face (AR)
East Face (MS)
Photo Number

TOP PL W. FACE
0.38 FOR END 8'
PHOTO: 4286
TOP PL E. FACE
0.34" FOR END 10'
PHOTO: 4287

0.40" TOP PL
FOR END 8'
0.25" TOP PL
FOR END 6'
100% SL FOR 1/4"
E W
PHOTO: 4284
PHOTO: 4283



E W
1/8" MAX SL
PHOTO: 4288

1/8" MAX SL
PHOTO: 4285

Panel Point
FB 11
FACING EAST

Notes:

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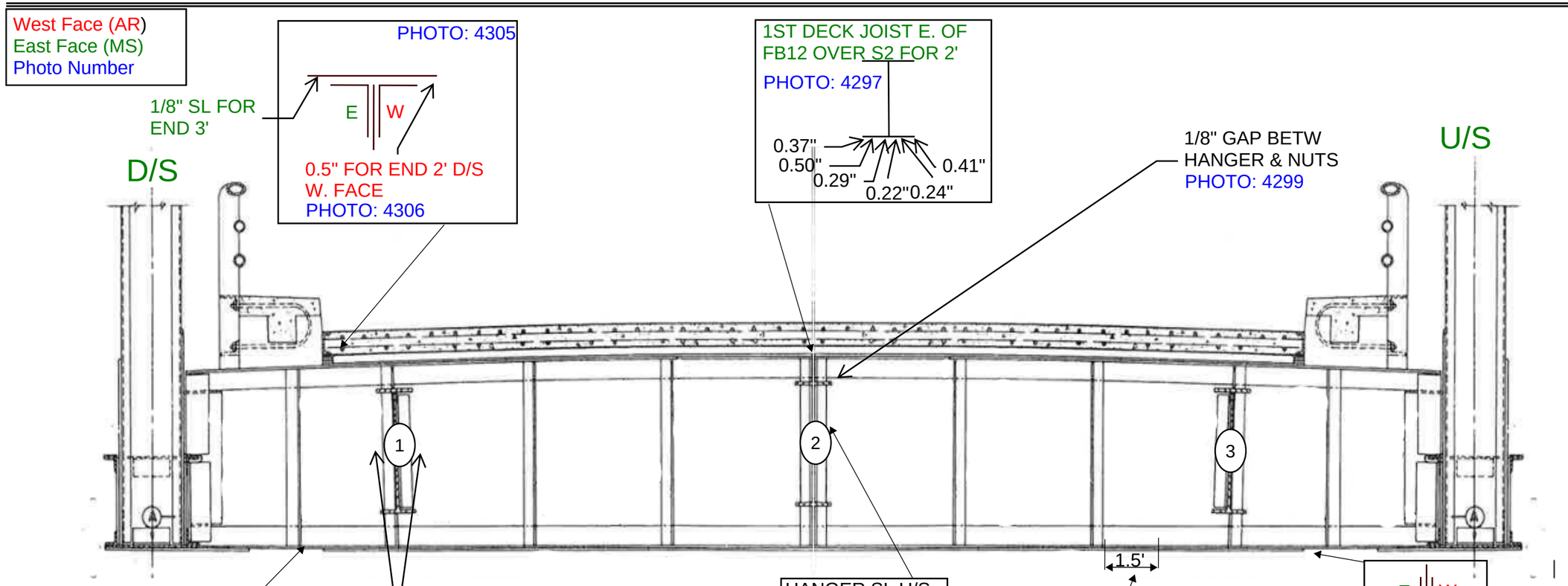
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point

FB 12 PART 1

FACING EAST

Notes:

Michael Baker
INTERNATIONAL
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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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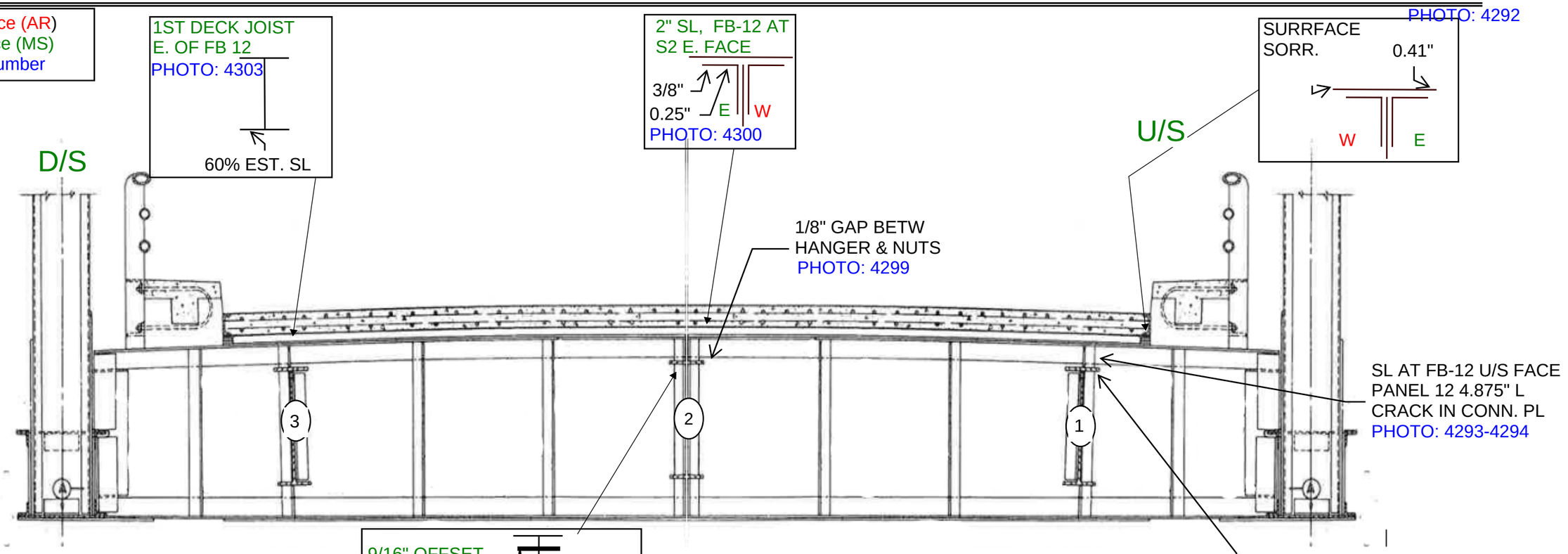
West Face (AR)
East Face (MS)
Photo Number



Notes:

Panel Point
FB 12 PART 2
FACING ~~EAST~~ WEST

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / TJN Date: 5-6-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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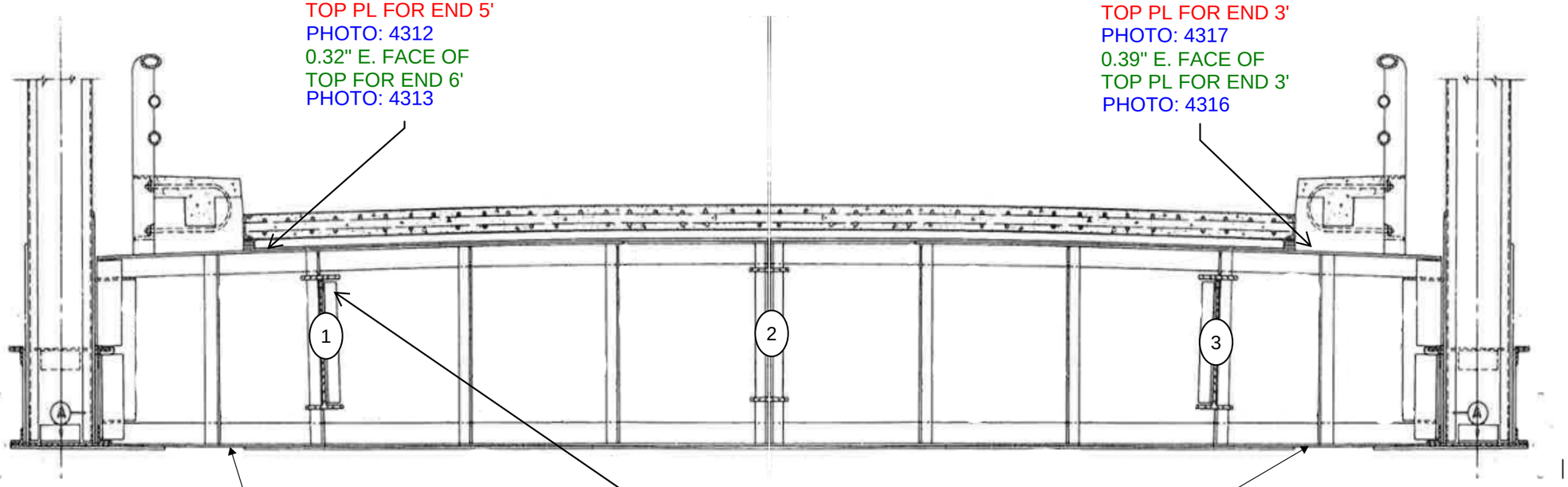
West Face (AR)
East Face (MS)
Photo Number



0.47" W. FACE OF TOP PL FOR END 5'
PHOTO: 4312
0.32" E. FACE OF TOP FOR END 6'
PHOTO: 4313

0.38" W. FACE OF TOP PL FOR END 3'
PHOTO: 4317
0.39" E. FACE OF TOP PL FOR END 3'
PHOTO: 4316

MISSING RIVET D/S FACE PHOTO: 4315

E W
0.25" MAX SL
PHOTO: 4314

E W
1/8" MAX SL
PHOTO: 4318

Panel Point
FB 13

FACING EAST

Notes:

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Sheet No. _____ of _____
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Checked by: _____ Date: _____
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West Face (AR)
East Face (MS)
Photo Number

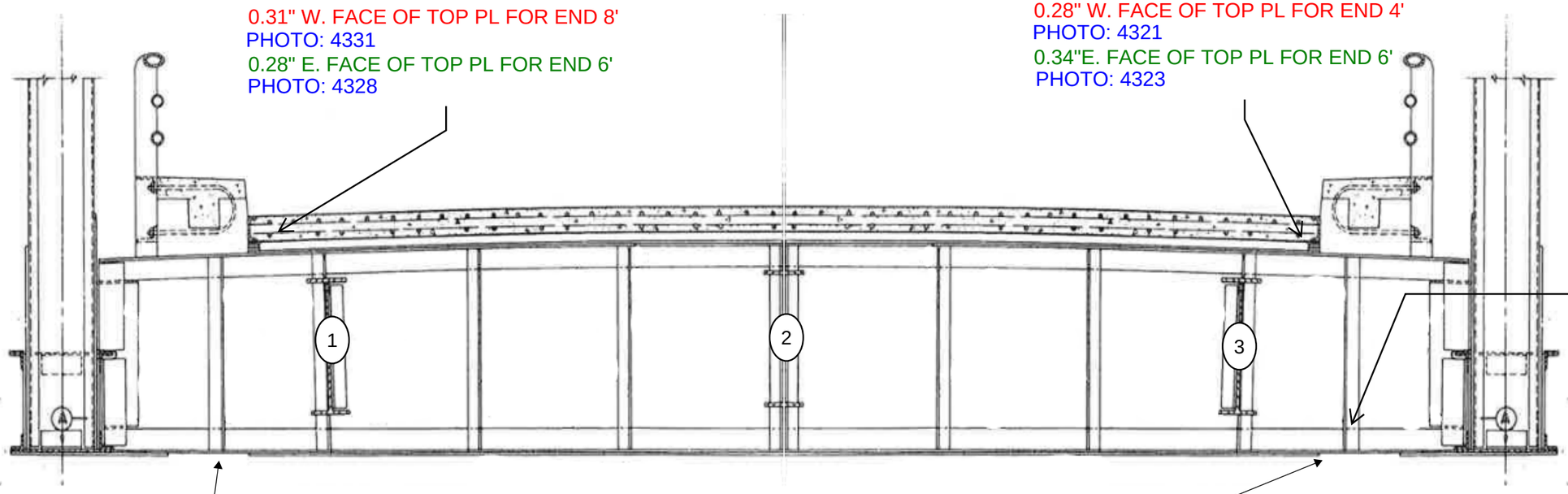
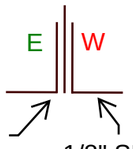


PHOTO: 4330



Panel Point
FB 14
FACING EAST

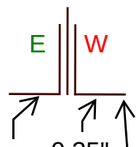


PHOTO: 4322 & 4325

Notes:

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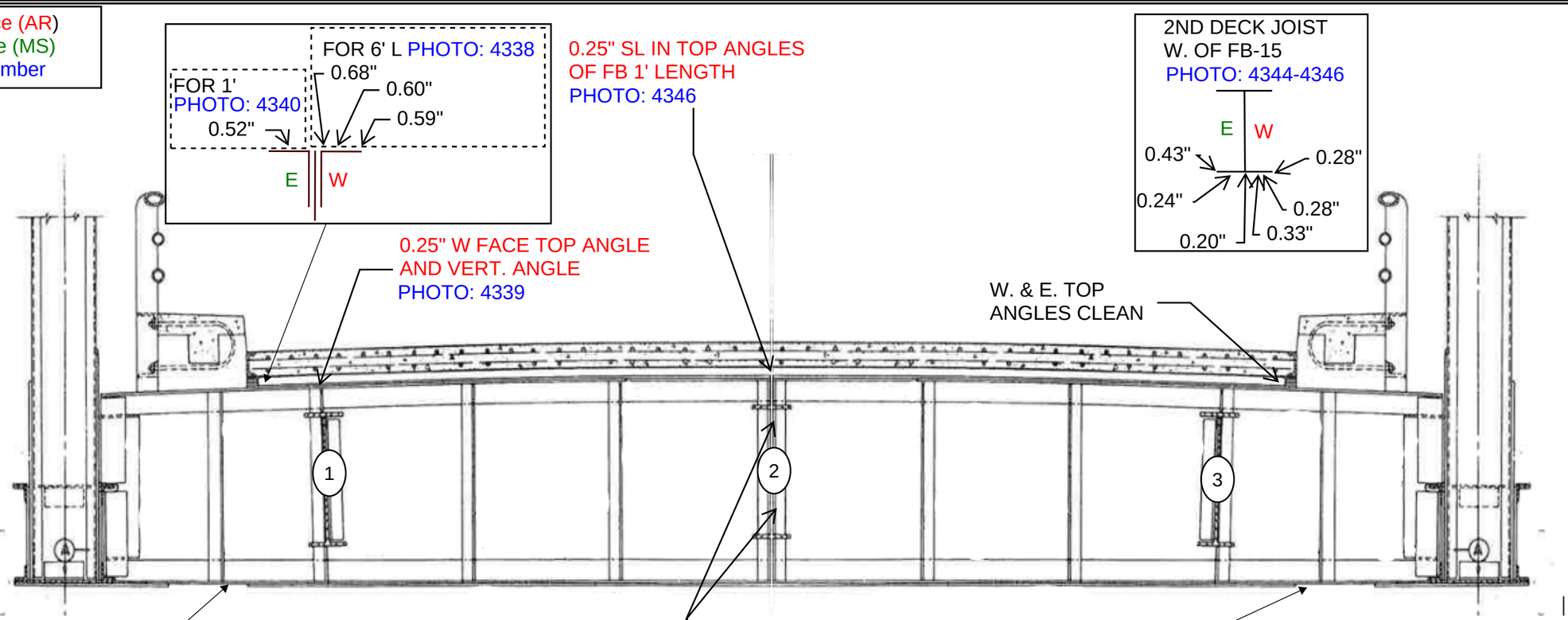
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 15

FACING EAST

Notes:

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Checked by: _____ Date: _____
Description: Bridge No. 02899

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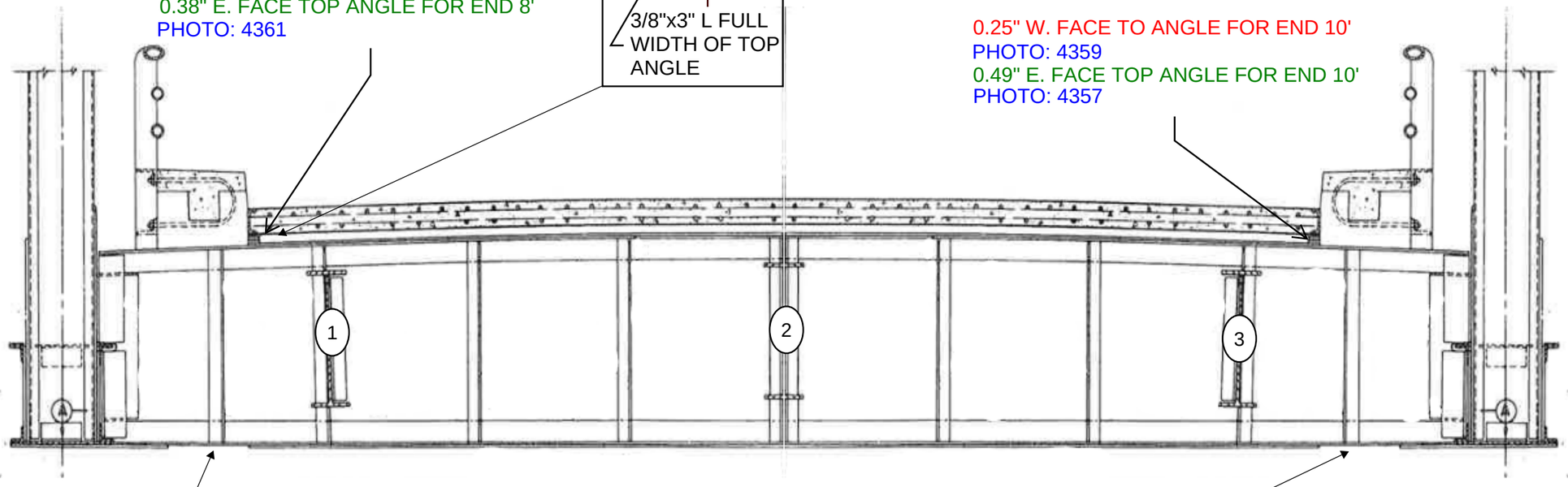
West Face (AR)
East Face (MS)
Photo Number

PHOTO: 4361
E W
3/8"x3" L FULL WIDTH OF TOP ANGLE

0.25" W. FACE TOP ANGLE FOR END 10'
PHOTO: 4363
0.38" E. FACE TOP ANGLE FOR END 8'
PHOTO: 4361

0.25" W. FACE TO ANGLE FOR END 10'
PHOTO: 4359
0.49" E. FACE TOP ANGLE FOR END 10'
PHOTO: 4357



E W
0.25" SL
PHOTO: 4365

E W
0.25" SL
PHOTO: 4358

Panel Point
FB 16

FACING EAST

Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB + DM Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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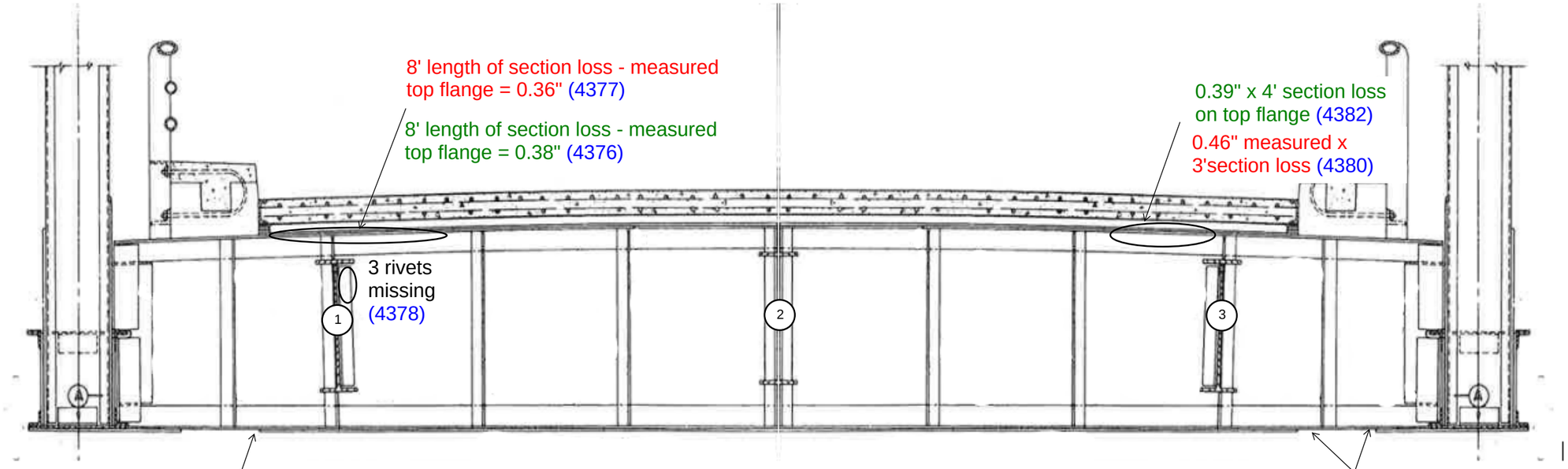
West Face (AR)
East Face (MS)
Photo Number

3rd crossbeam over stringer #2 in panel 18 - missing rivet and loose bolt in crossbeam to stringer connection (4379)

4th crossbeam over stringer #2 in panel 18 - 2 missing rivets in crossbeam to stringer connection (4379)



Panel Point
FB 17
FACING EAST

Notes:

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Sheet No. ____ of ____
Made by: EB + DM Date: 5-7-22
Checked by: ____ Date: ____
Description: Bridge No. 02899

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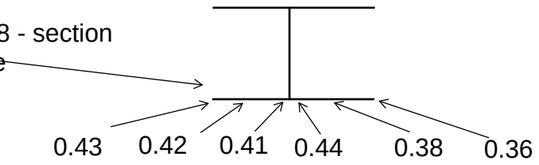
West Face (AR)
East Face (MS)
Photo Number

Pin and hanger on East face side

3rd and 4th crossbeam in panel 19 - section loss on top flange on downstream end
End 5' for 3rd beam - 30% section loss (4389)
End 2' for 4th beam - 30% section loss

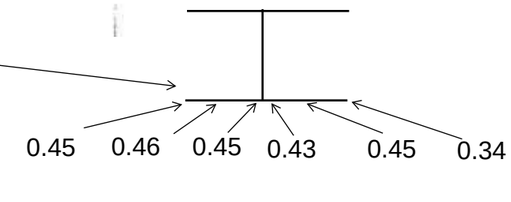
First crossbeam from floor beam 18 - section loss at stringer #3 on bottom flange (4390,4392)

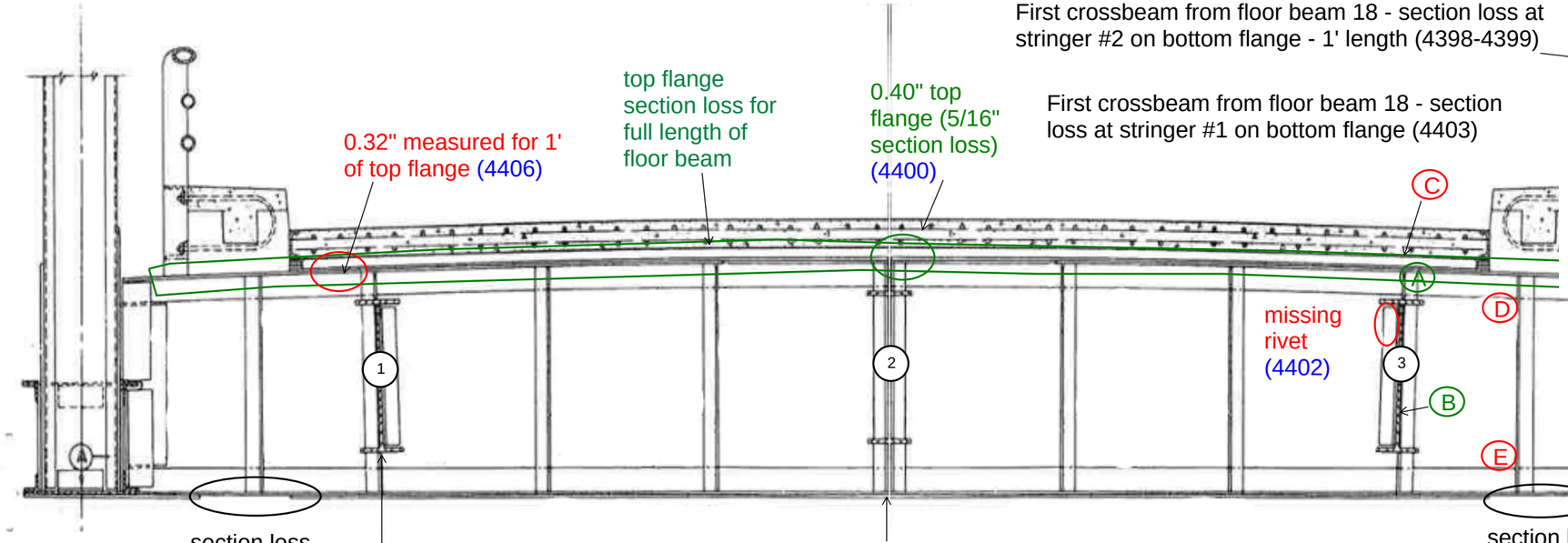


missing joint material (4397)

First crossbeam from floor beam 18 - section loss at stringer #2 on bottom flange - 1' length (4398-4399)

First crossbeam from floor beam 18 - section loss at stringer #1 on bottom flange (4403)





A. 5/16" section loss - pitting (4391)
B. Stringer #3 pack rust on pin & hanger (4390, 4393)
C. 0.31" measured for 1' on top flange (4395,4396)
D. Web section loss 3/16" x 8" x 2" (4396)
E. Web section loss 3/16"x4"x1' (4396)

Panel Point
FB 18
FACING EAST

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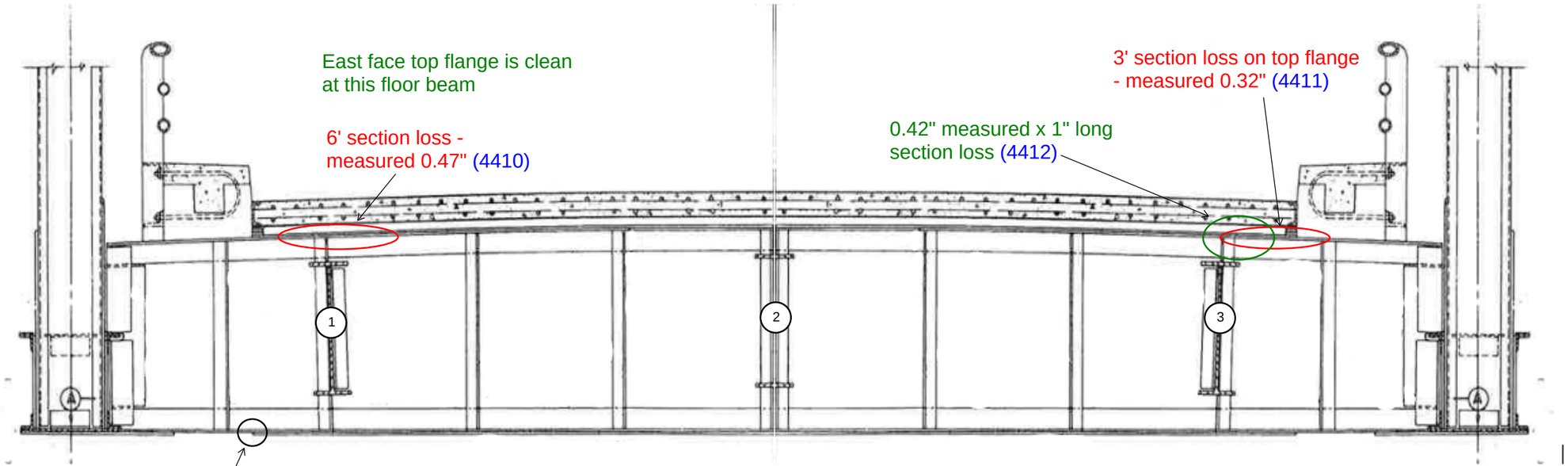
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 19
FACING EAST

Notes:

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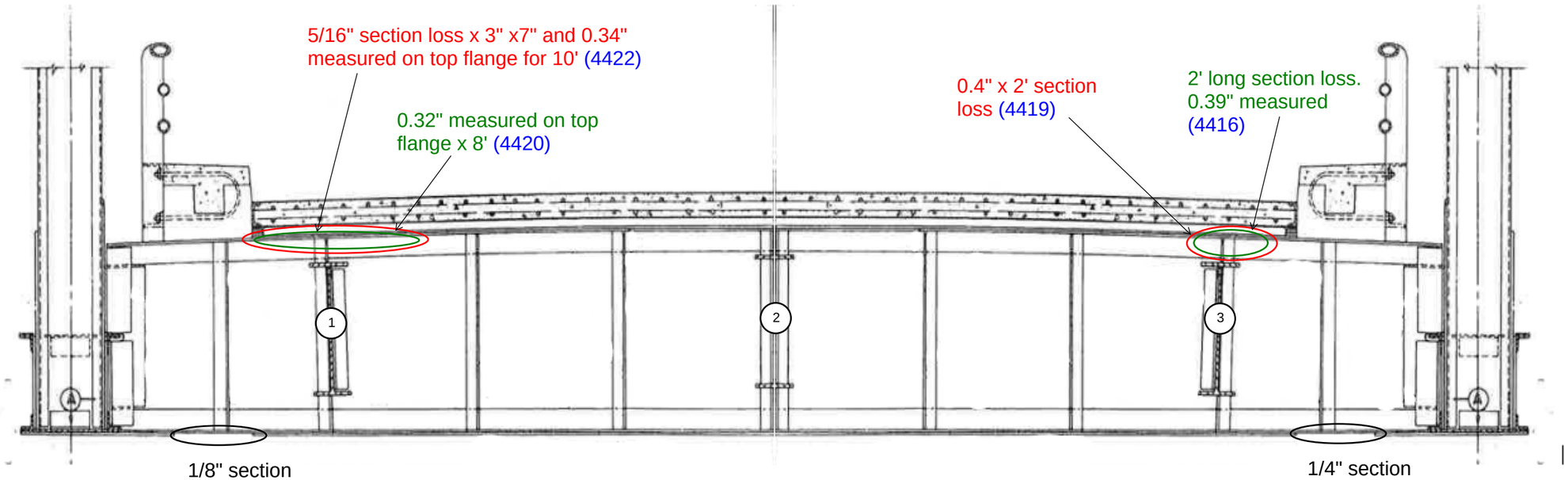
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 20
FACING EAST

Notes:

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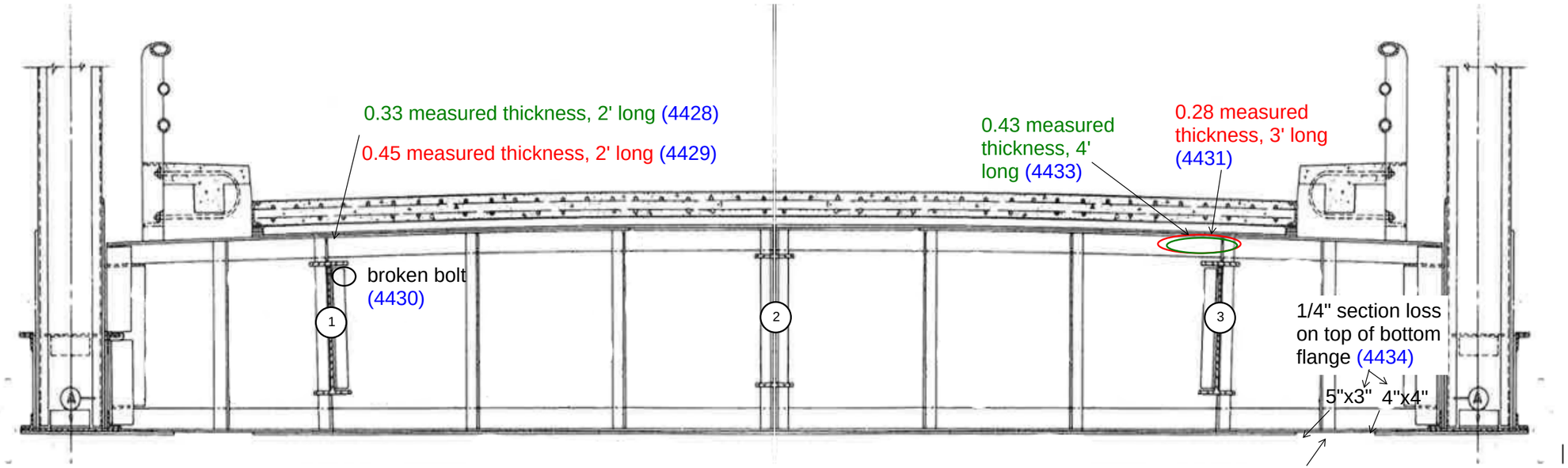
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 21
FACING EAST

Notes:

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Little Rock, AR 72201

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Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number

- Pin and hanger is on West Face side

- All joint material missing

First crossbeam west of Floor beam 22 at Stringer #3

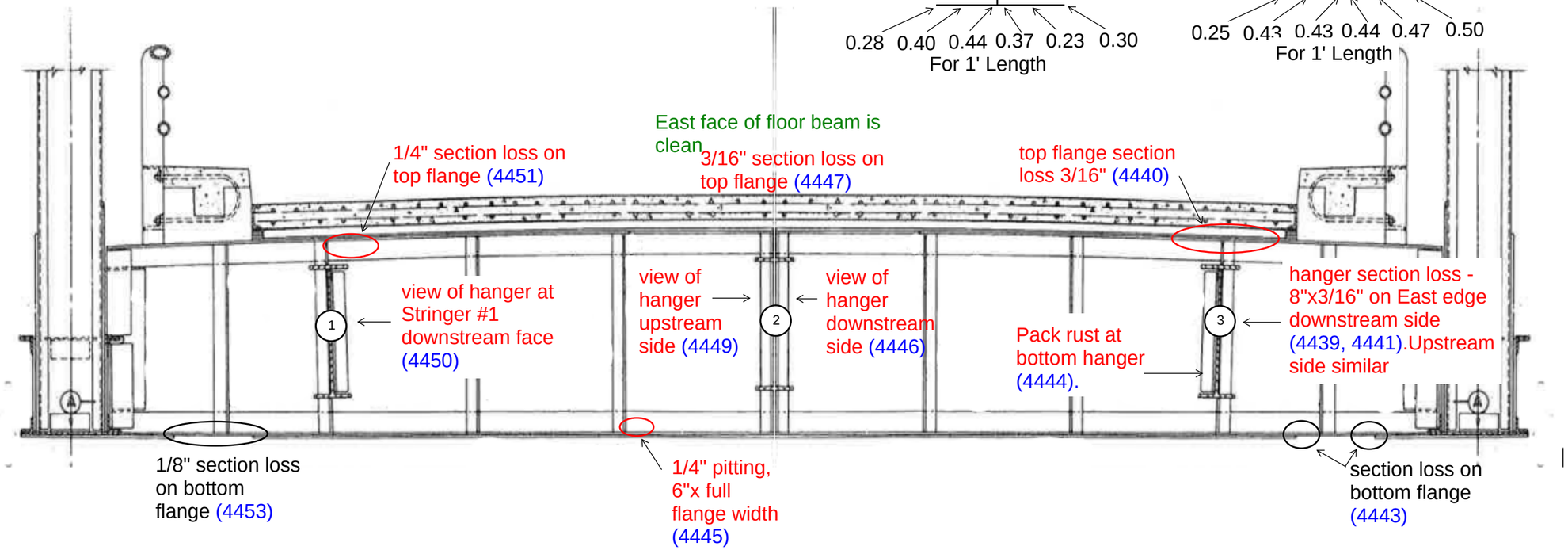
at Stringer #1 - similar to at Stringer #2 and Stringer #3

at Stringer #2 (4448)

0.28 0.40 0.44 0.37 0.23 0.30
For 1' Length

at Stringer #3 (4442)

0.25 0.43 0.43 0.44 0.47 0.50
For 1' Length



Panel Point
FB 22
FACING EAST

Notes:

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101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-8-22
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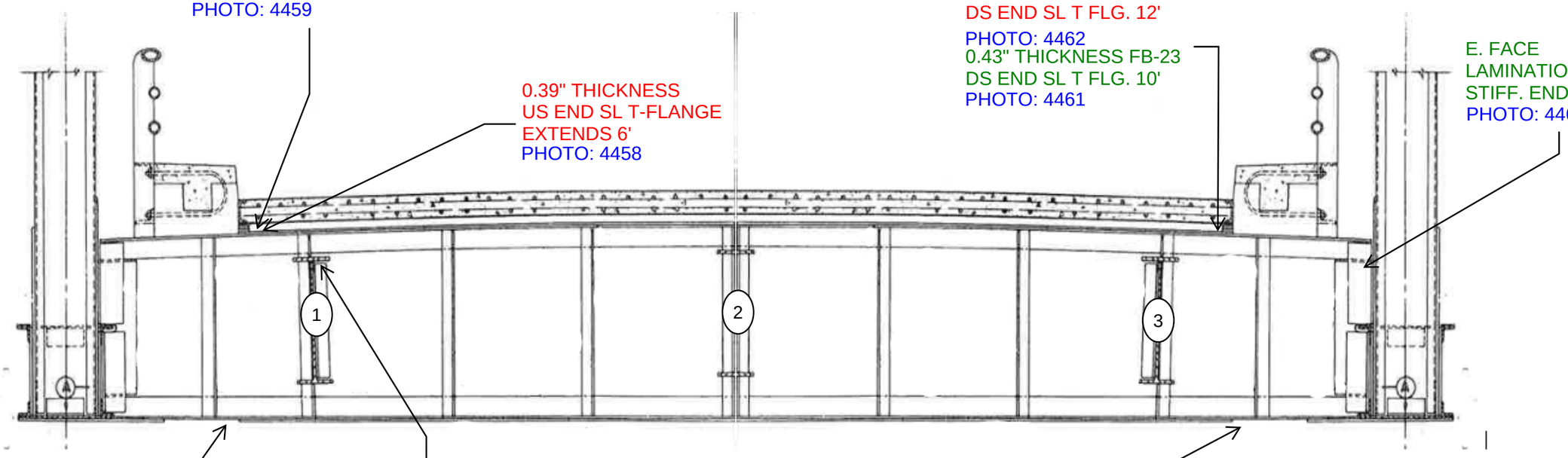
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 23

FACING EAST

Notes:

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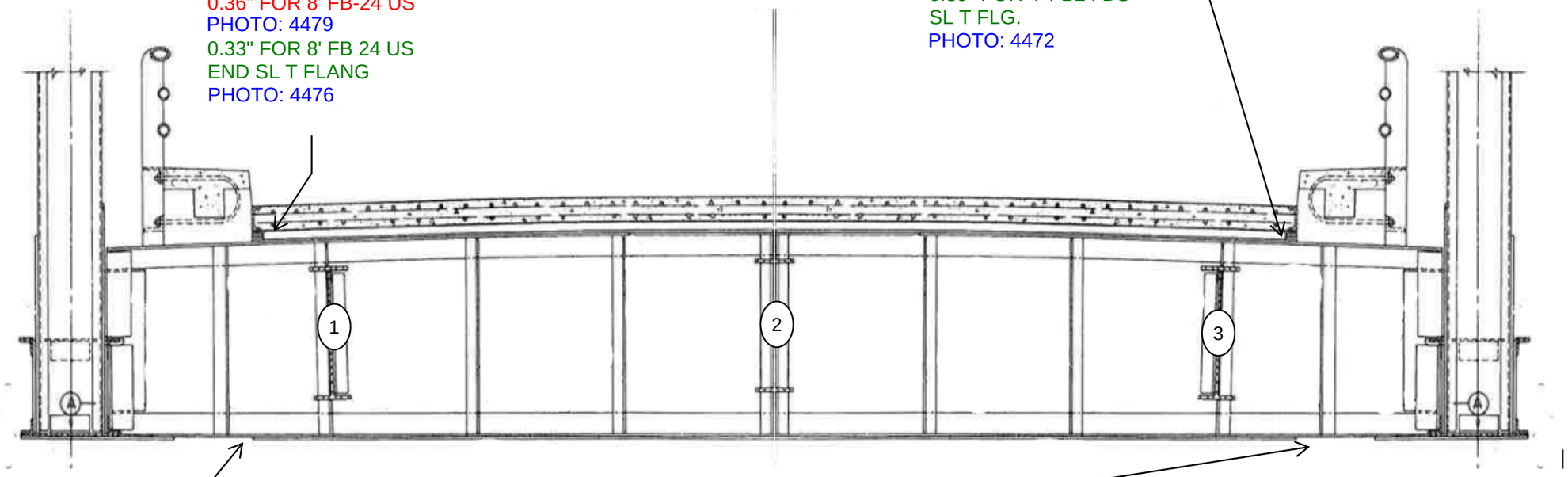
West Face (AR)
East Face (MS)
Photo Number

0.36" FOR 8' FB-24 US
PHOTO: 4479
0.33" FOR 8' FB 24 US
END SL T FLANG
PHOTO: 4476

0.37" FOR 2' FB24 DS
END SL T FLANGE
PHOTO: 4473
0.39" FOR 4' FB24 DS
SL T FLG.
PHOTO: 4472



1/8" SL US BOTTOM
PL FULL LENGHT
PHOTO: 4478

3/16" SL DS BOTTOM
PL FULL LENGHT
PHOTO: 4475

Panel Point
FB 24
FACING EAST

Notes:

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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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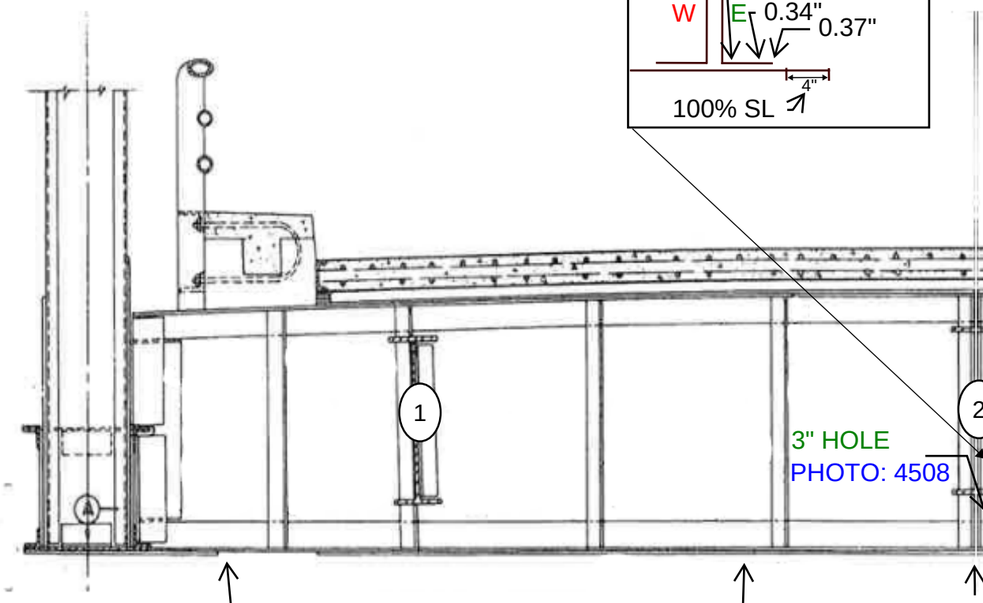
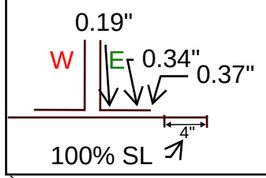
West Face (AR)
East Face (MS)
Photo Number



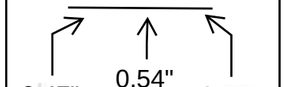
FLG. DETERIORATION
D-METER
PHOTO: 4508-4509



CANT. SIDE 5" WIDE
ANGLE 0.25" SL TOP
PL PHOTO: 4518

0.47" THICKNESS DS END
W. FACE SL T FLG. FOR 5'
PHOTO: 4491

TOP FLG. DS
SUSPENDED
PHOTO: 4492



7"x5" HOLE
PHOTO: 4511

3"x1" HOLE
PHOTO: 4512

SMALL HOLE
PHOTO: 4514

3" HOLE
PHOTO: 4508

1/8" SL US SIDE
SUSPENDED SIDE
PHOTO: 4494

SUSPENDED SPAN TYP. 0.25"
SL FL BOTTOM PL BETWEEN
ANGLE & PL WEB3/8" SL
PHOTO: 4499

ON WIND LOCK PL
9"x2" 100% SL
24"x3" 100% SL
3/8" SL BOTTOM
0.25" SL TOP
PHOTO: 4501-4502-4503

7"x2" HOLE
PHOTO: 4510

4"x3" HOLE
PHOTO: 4513

3"x3" HOLE AT S3
PHOTO: 4515

0.5" SL BOTTOM PL
DS END
SUSPENDED SIDE
PHOTO: 4493

Panel Point
WEST FB 25
FACING EAST

Notes:

OVERALL PHOTO: 4490
US TYP. PHOTO, INSIDE FACES OF FB25 PHOTO: 4497
US TYP. PHOTO, INSIDE FACES FROM BELOW PHOTO: 4498
DS TYP. PHOTO, INSIDE FACES OF FB25 PHOTO: 4516
DS TYP. PHOTO, INSIDE FACES FROM BELOW PHOTO: 4517

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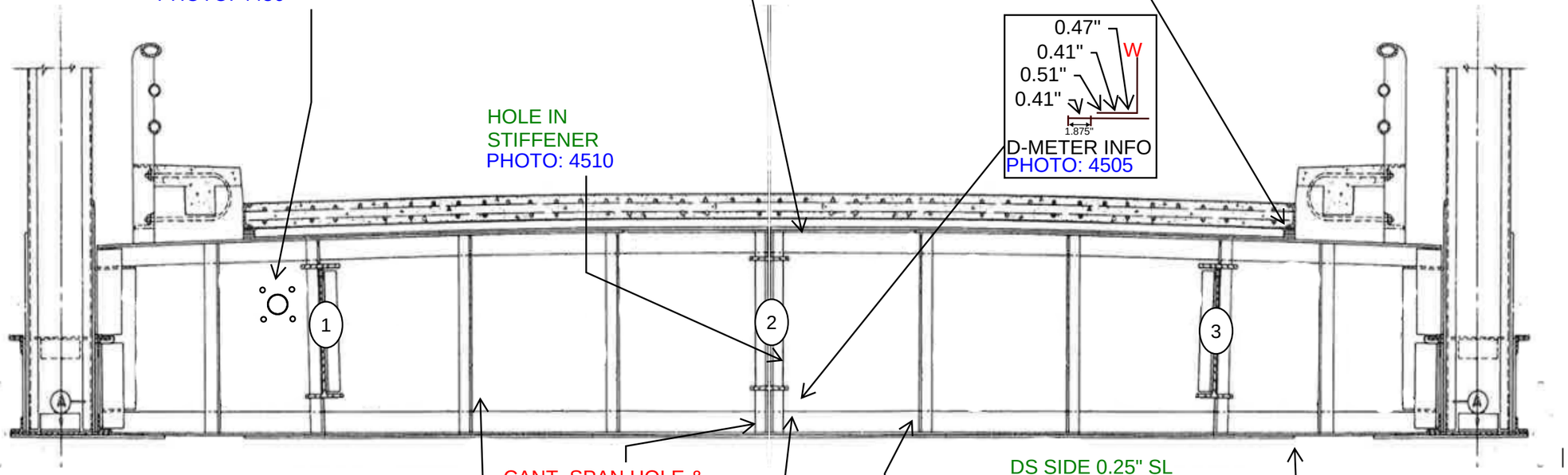
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: DFM / JV Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
EAST FB 25
FACING EAST

Notes:

OVERALL PHOTO: 4490
US TYP. PHOTO, INSIDE FACES OF FB25 PHOTO: 4497
US TYP. PHOTO, INSIDE FACES FROM BELOW PHOTO: 4498
DS TYP. PHOTO, INSIDE FACES OF FB25 PHOTO: 4516
DS TYP. PHOTO, INSIDE FACES FROM BELOW PHOTO: 4517

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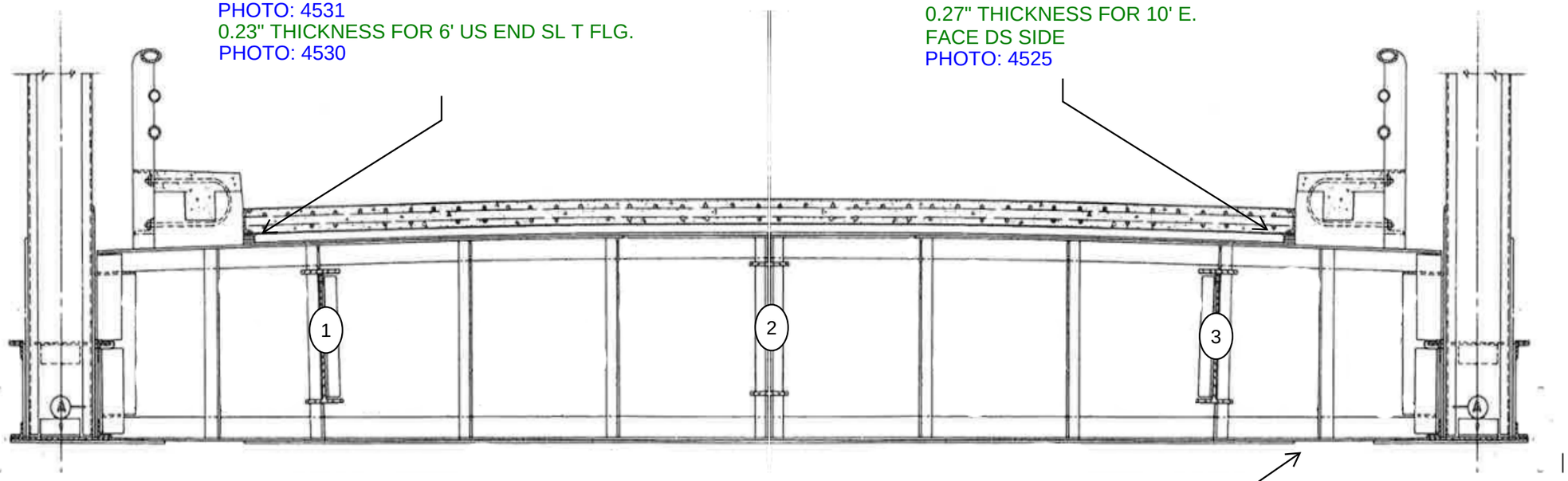
West Face (AR)
East Face (MS)
Photo Number

0.28" THICKNESS FOR 5' 100% SL ON OUTER OF TOP PLATE IN VARIOUS LOCATIONS US END W. FACE SL T FLG.
PHOTO: 4531
0.23" THICKNESS FOR 6' US END SL T FLG.
PHOTO: 4530

0.36" THICKNESS FOR 12' W. FACE DS SIDE SL T FLG.
PHOTO: 4526
0.27" THICKNESS FOR 10' E. FACE DS SIDE
PHOTO: 4525



3/16" SL BOTTOM PL DS
PHOTO: 45281

Notes:

Panel Point
FB 26

FACING EAST

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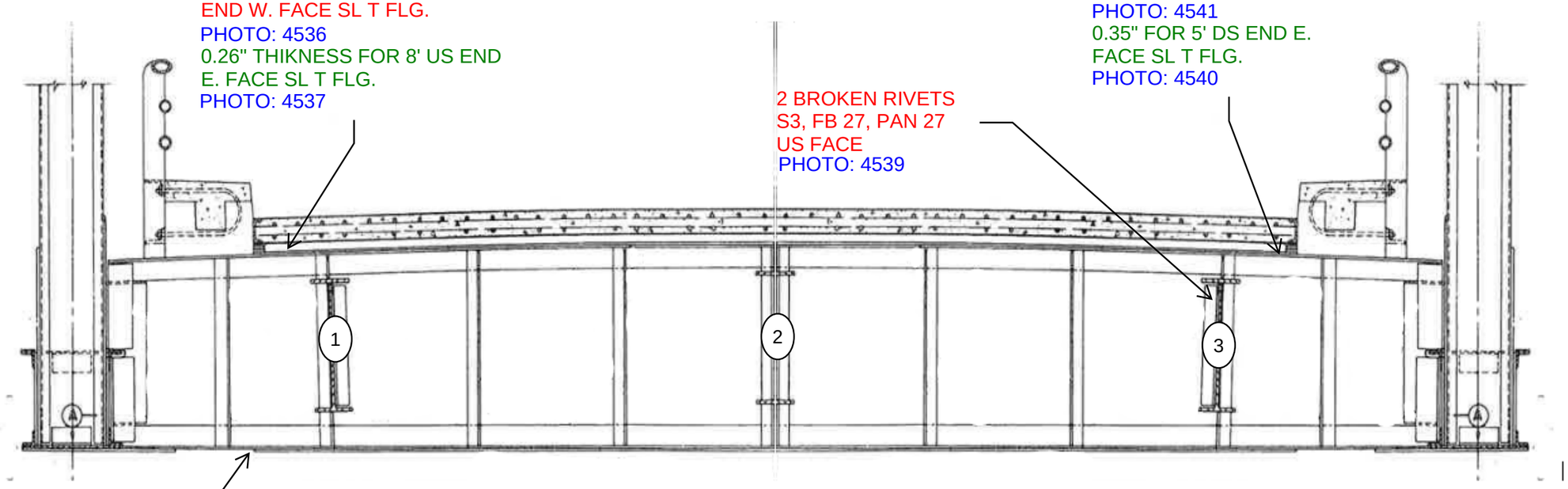
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 27

FACING EAST

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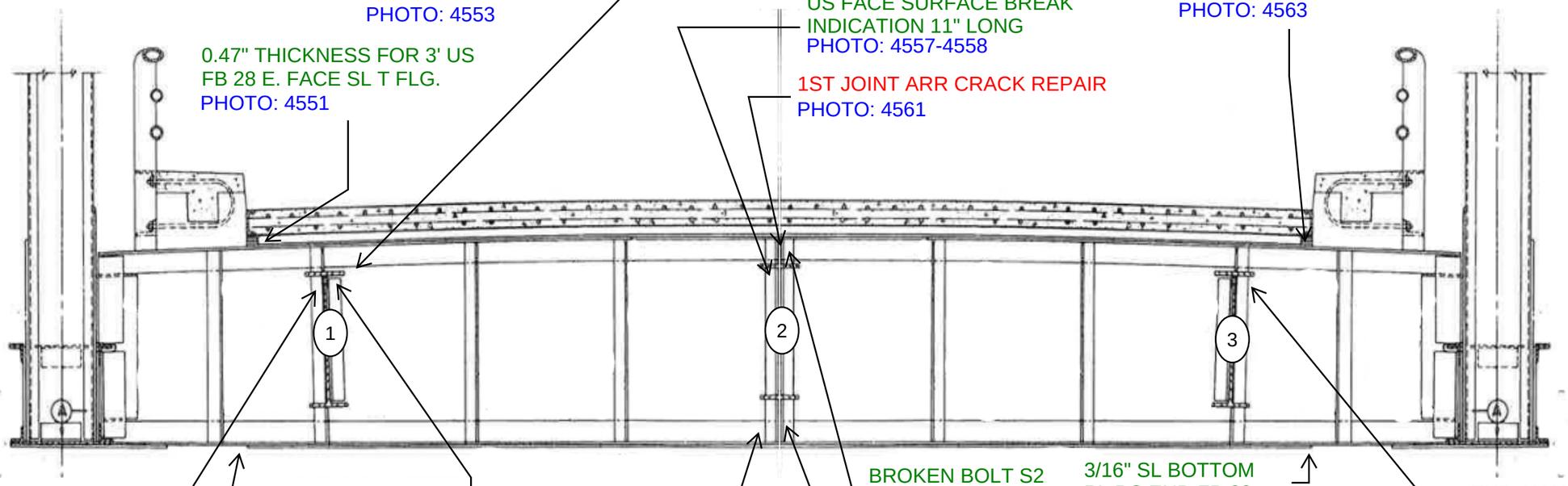
West Face (AR)
East Face (MS)
Photo Number



1ST JOIST, W. FACE @ S1 RETROFIT TO WEB
PHOTO: 4553

0.47" THICKNESS FOR 3' US FB 28 E. FACE SL T FLG.
PHOTO: 4551

US FACE SURFACE BREAK INDICATION 11" LONG
PHOTO: 4557-4558

1ST JOINT ARR CRACK REPAIR
PHOTO: 4561

SL & FLG 1/8" SL FOR 1' DS SIDE FACE
PHOTO: 4563

S1 US FACE, HANGER PL. 1/8"xFLx4" PITTING L27-L28 @ L28
PHOTO: 4553

0.25" SL BOTTOM PL US FB 28
PHOTO: 4552

S1 DS FACE, HANGER PL 1/16" PITTING THROUGHOUT L28-L27.
PHOTO: 4555

S1 DS FACE, NUT HITTING HANGER PL.
PHOTO: 4555

US FACE HANGER 1/16" GAP @85*F
PHOTO: 4560

DS FACE TYP.
PHOTO: 4562

BROKEN BOLT S2 DS FACE
PHOTO: 4559

3/16" SL BOTTOM PL DS END FB 28
PHOTO: 4564

TYP. HANGER DS END PHOTO: 4565

Panel Point
FB 28

FACING EAST

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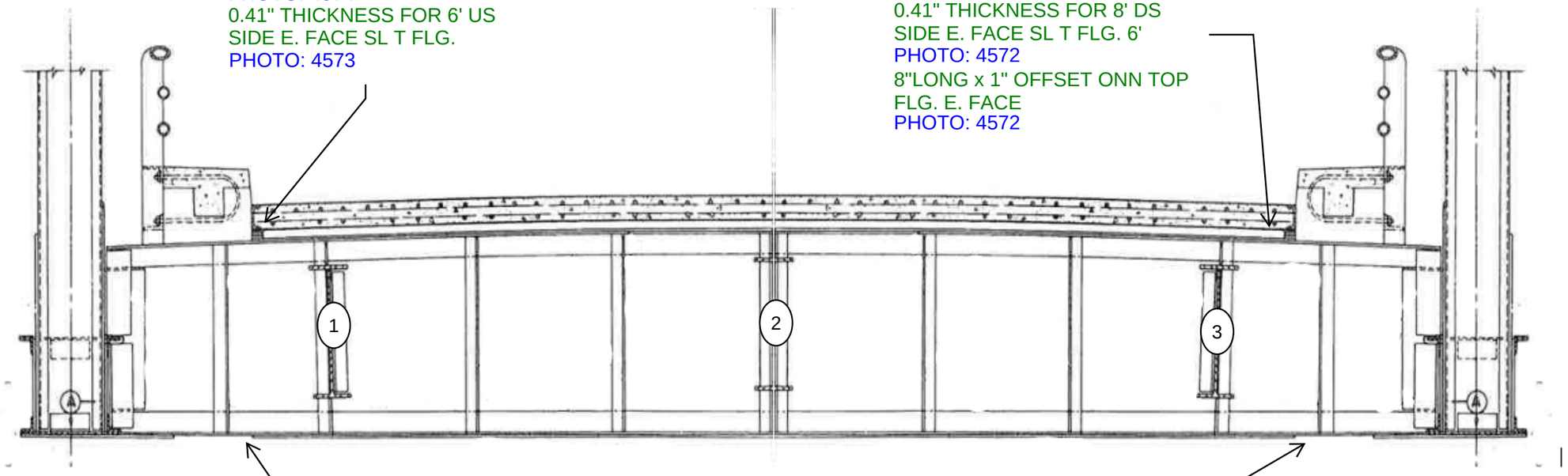
West Face (AR)
East Face (MS)
Photo Number

0.24" THICKNESS FOR 6' US
SIDE W. FACE SL T FLG.
PHOTO: 4574
0.41" THICKNESS FOR 6' US
SIDE E. FACE SL T FLG.
PHOTO: 4573

0.44" THICKNESS FB 29 DS
SIDE FOR 6' W. FACE SL T FLG.
PHOTO: 4571
0.41" THICKNESS FOR 8' DS
SIDE E. FACE SL T FLG. 6'
PHOTO: 4572
8"LONG x 1" OFFSET ONN TOP
FLG. E. FACE
PHOTO: 4572



US SIDE BOTTOM
PL 0.25" SL
PHOTO: 4576

DS SIDE BOTTOM
PL 3/8" SL
PHOTO: 4570

Panel Point
FB 29
FACING EAST

Notes:

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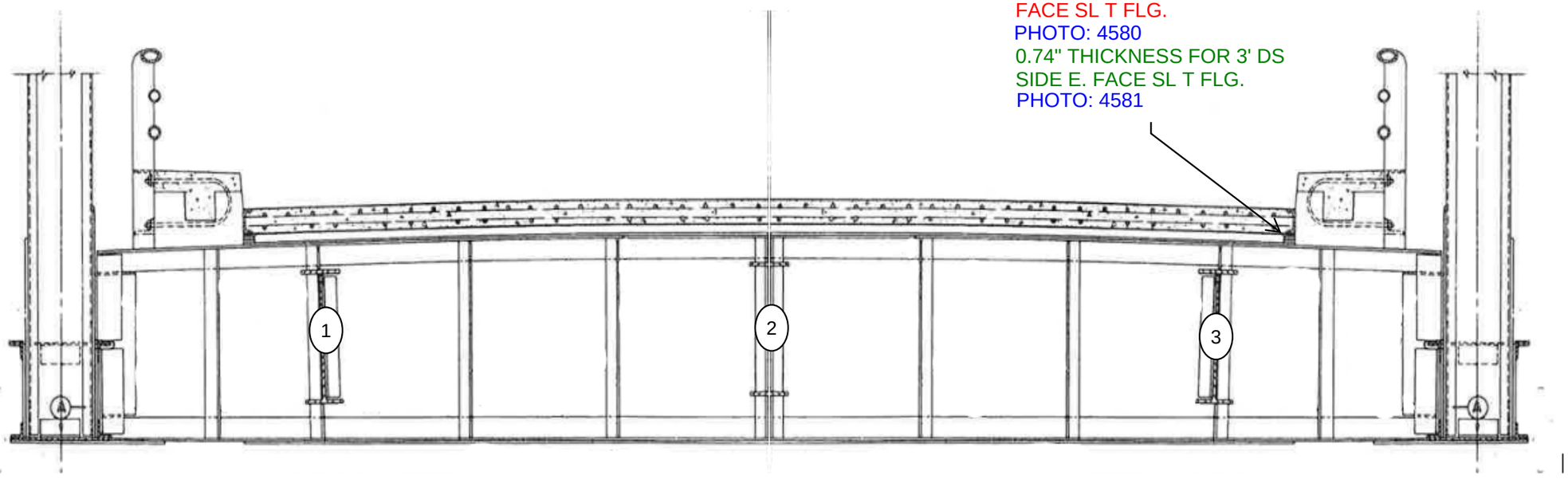
West Face (AR)
East Face (MS)
Photo Number

0.78" FIR 3' DS SIDE W.
FACE SL T FLG.
PHOTO: 4580
0.74" THICKNESS FOR 3' DS
SIDE E. FACE SL T FLG.
PHOTO: 4581



Panel Point
FB 30

FACING EAST

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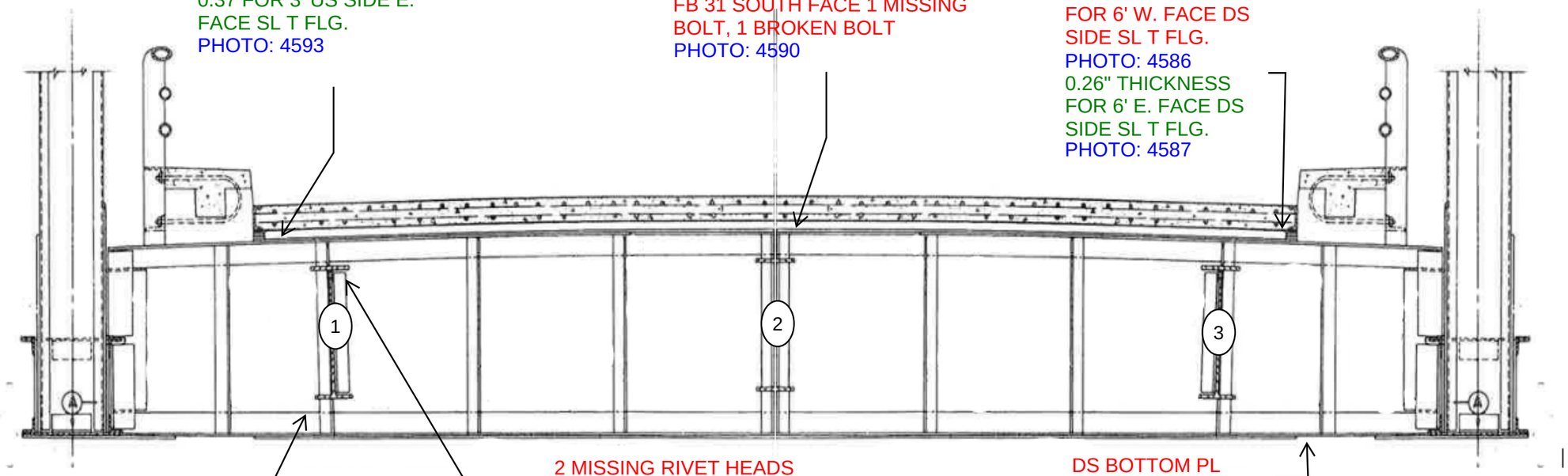
West Face (AR)
East Face (MS)
Photo Number

0.34" THICKNESS FOR 3' US SIDE W. FACE SL T FLG.
PHOTO: 4592
0.37 FOR 3' US SIDE E. FACE SL T FLG.
PHOTO: 4593

L31-L32 S2 @ 2ND JOIST FROM FB31 SOUTH FACE 2 BROKEN BOLTS
PHOTO: 4589
L31-L31 S2 @ 4TH JOIST FROM FB 31 SOUTH FACE 1 MISSING BOLT, 1 BROKEN BOLT
PHOTO: 4590

0.42" THICKNESS FOR 6' W. FACE DS SIDE SL T FLG.
PHOTO: 4586
0.26" THICKNESS FOR 6' E. FACE DS SIDE SL T FLG.
PHOTO: 4587



2 MISSING RIVET HEADS S1 AT FB 31 L30-L31 S. FACE PHOTO: 4591

DS BOTTOM PL 5/16" SL
PHOTO: 4588

1.75"x0.25" GOUGE IN ANGLE BY S1 US SIDE E. FACE
PHOTO: 4594

Panel Point
FB 31

FACING EAST

Notes:

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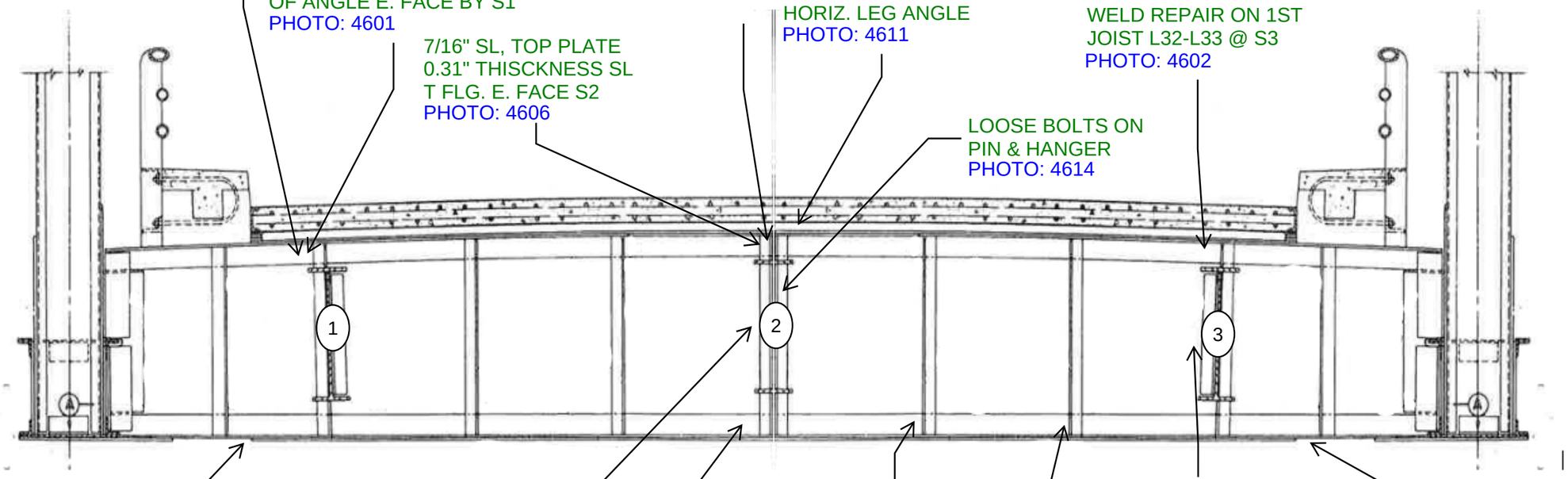
West Face (AR)
East Face (MS)
Photo Number



1ST JOIST @ S1 WELD REPAIR, NO DEFECTS NOTED PHOTO: 4615

0.25" SL ON HORIZ. LEG OF ANGLE E. FACE BY S1 PHOTO: 4601

7/16" SL, TOP PLATE 0.31" THISCKNESS SL T FLG. E. FACE S2 PHOTO: 4606

MISSING SHIM PL, NO BOLT PHOTO: 4609

S2 WELD REPAIR ON 1ST JOINT L32-L33 PHOTO: 4609

2"Wx3/8"D SL ON HORIZ. LEG ANGLE PHOTO: 4611

LOOSE BOLTS ON PIN & HANGER PHOTO: 4614

WELD REPAIR ON 1ST JOIST L32-L33 @ S3 PHOTO: 4602

0.25" SL BOTTOM PL IS SIDE PHOTO: 4604

0.25" PITTING THROUGHOUT HANGER PHOTO: 4608

0.25" TO 1/8" SL AROUND HANGER @S2 N. FACE PHOTO: 4608

5/16"x2" SL ON TOP OF BOTTOM ANGLE AND VERTICAL FACE @ S2 PHOTO: 4607

6'LxFWx5/16"D SL ON HORIZ. ANGLE PHOTO: 4612

1'Lx3"Wx5/16"D SL ON ANGLE PHOTO: 4613

1/8" PITTING THROUGHOUT HANGER, 1/8" PITTING ON S3 N. FACE PHOTO: 4616

FB 32 DS SIDE 5/16' SL PHOTO: 4618

Panel Point
FB 32

FACING EAST

Notes:

_____

_____

_____

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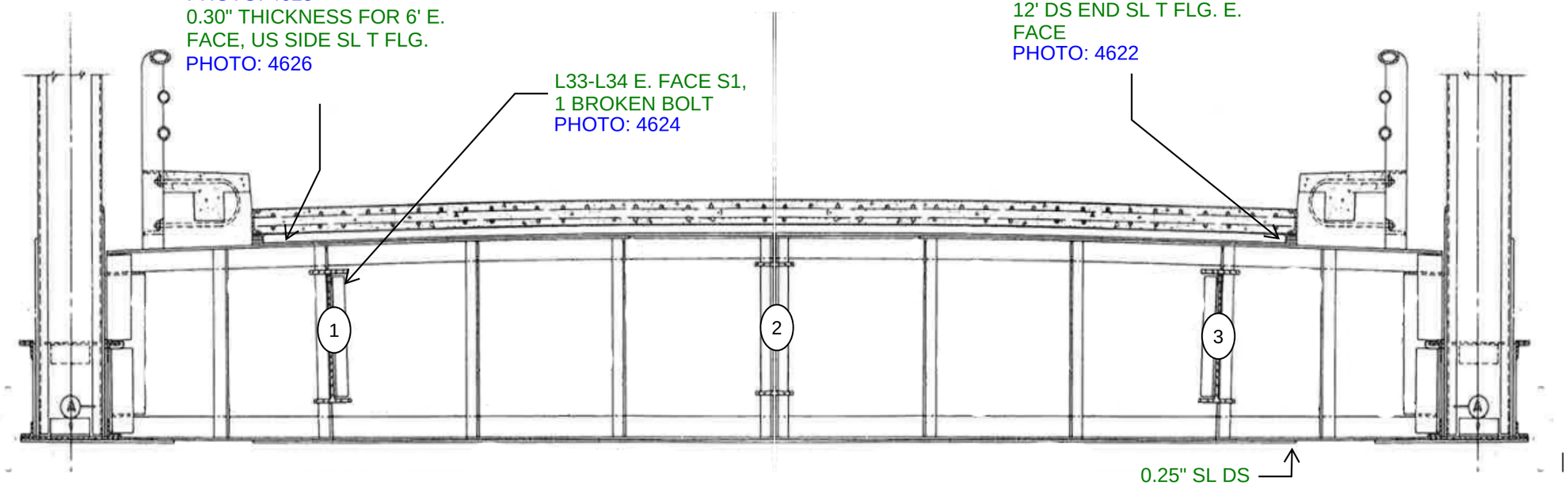
West Face (AR)
East Face (MS)
Photo Number

0.32" THICKNESS FOR 8' W. FACE, US SIDE SL T FLG.
PHOTO: 4625
0.30" THICKNESS FOR 6' E. FACE, US SIDE SL T FLG.
PHOTO: 4626

L33-L34 E. FACE S1, 1 BROKEN BOLT
PHOTO: 4624

0.42" THICKNESS FOR 10' DS END W. FACE
PHOTO: 4623
0.41" THICKNESS FOR 12' DS END SL T FLG. E. FACE
PHOTO: 4622



Panel Point
FB 33
FACING EAST

Notes:

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Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-12-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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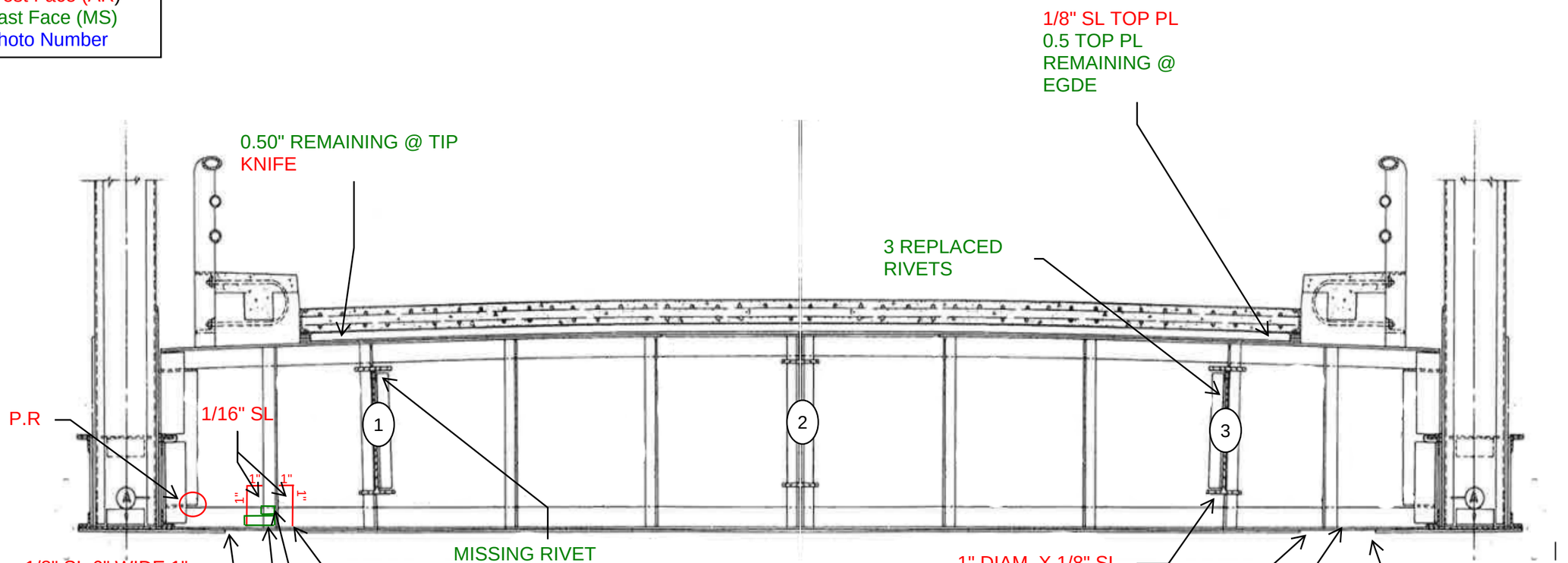
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 34
FACING EAST

Notes:

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Checked by: _____ Date: _____
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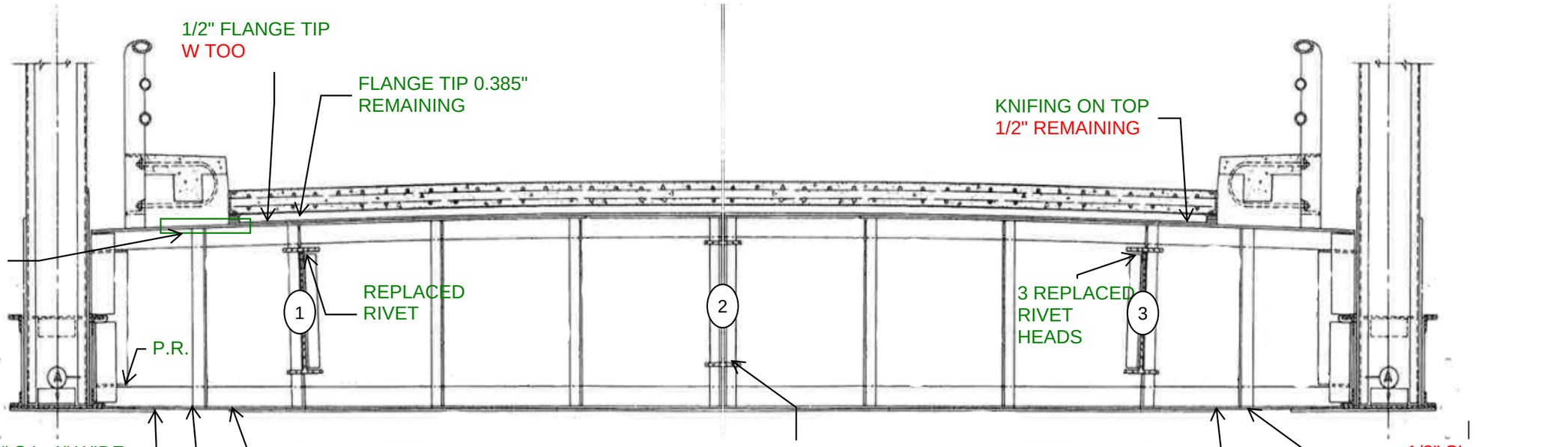
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 35

Notes:

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Checked by: _____ Date: _____
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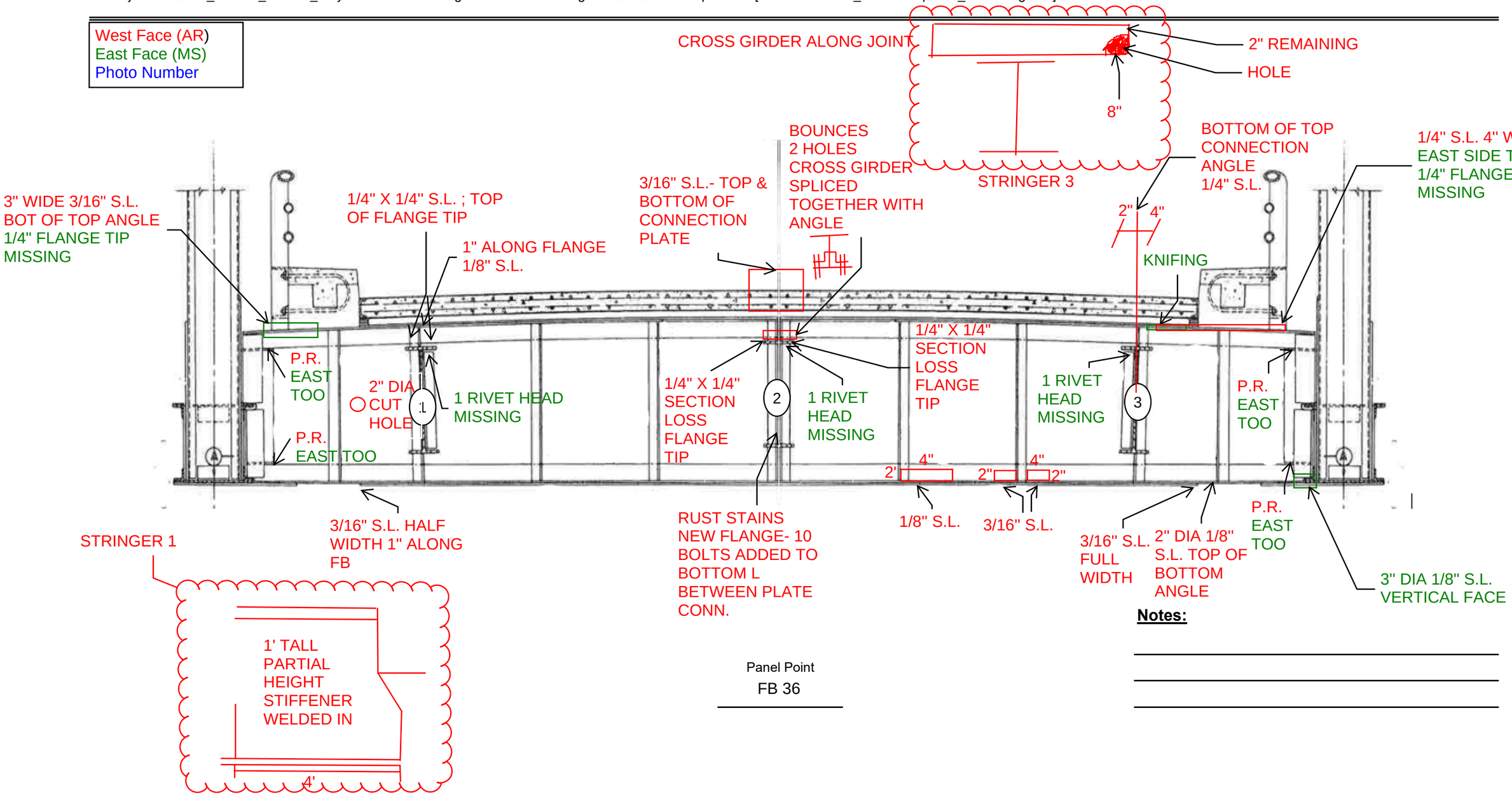
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 36

Notes:

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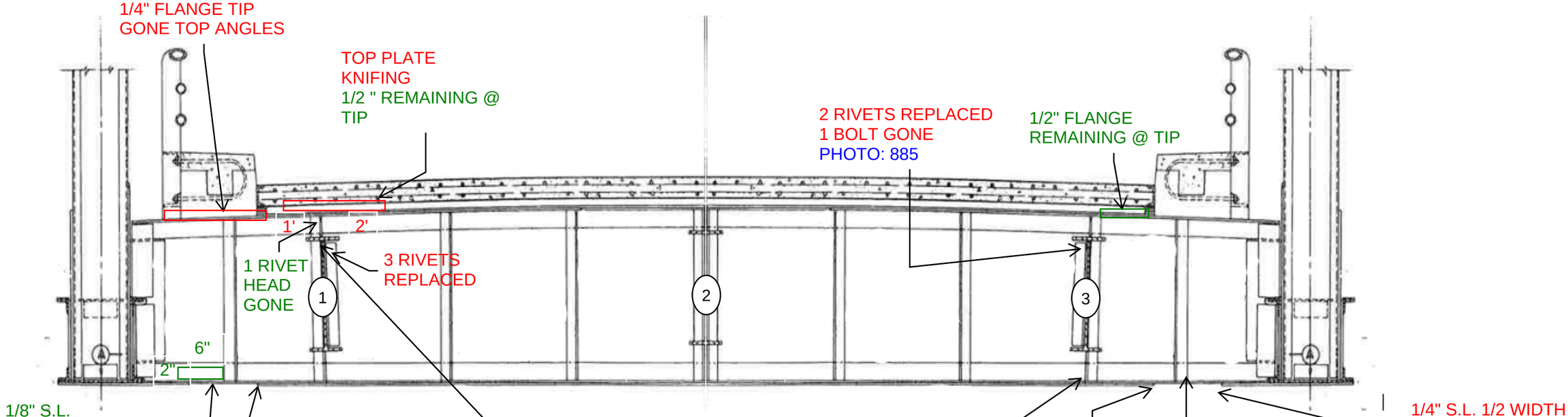
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 37

Notes:

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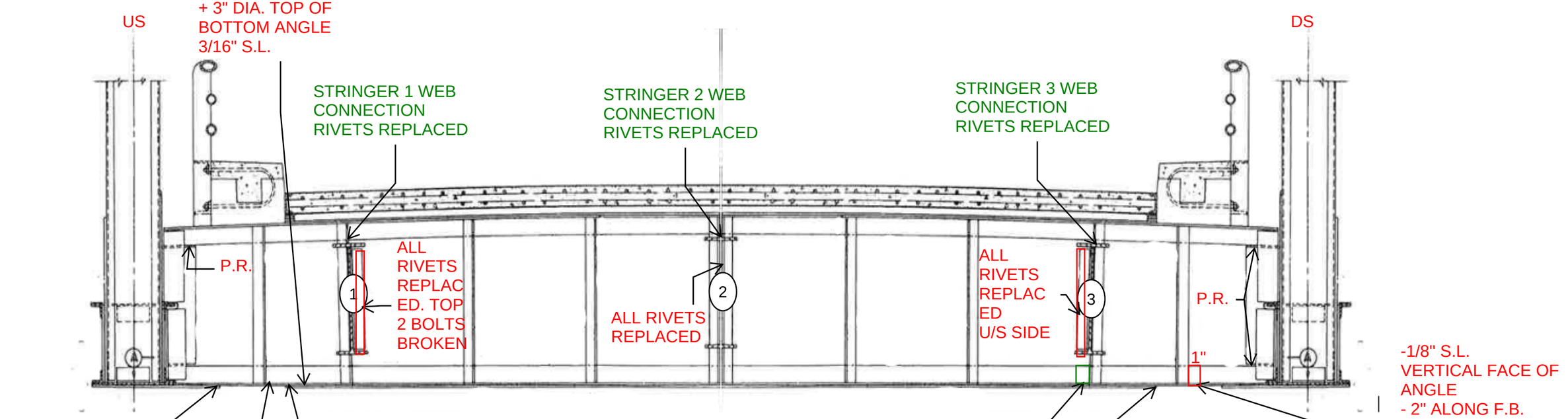
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 38

Notes:

L38: NEW DECK, CROSS BEAMS & LATERALS ALL BOLTED CONNECTIONS. POSSIBLY NEW STRINGERS.

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Made by: BCM / JSP Date: 5-12-22
Checked by: _____ Date: _____
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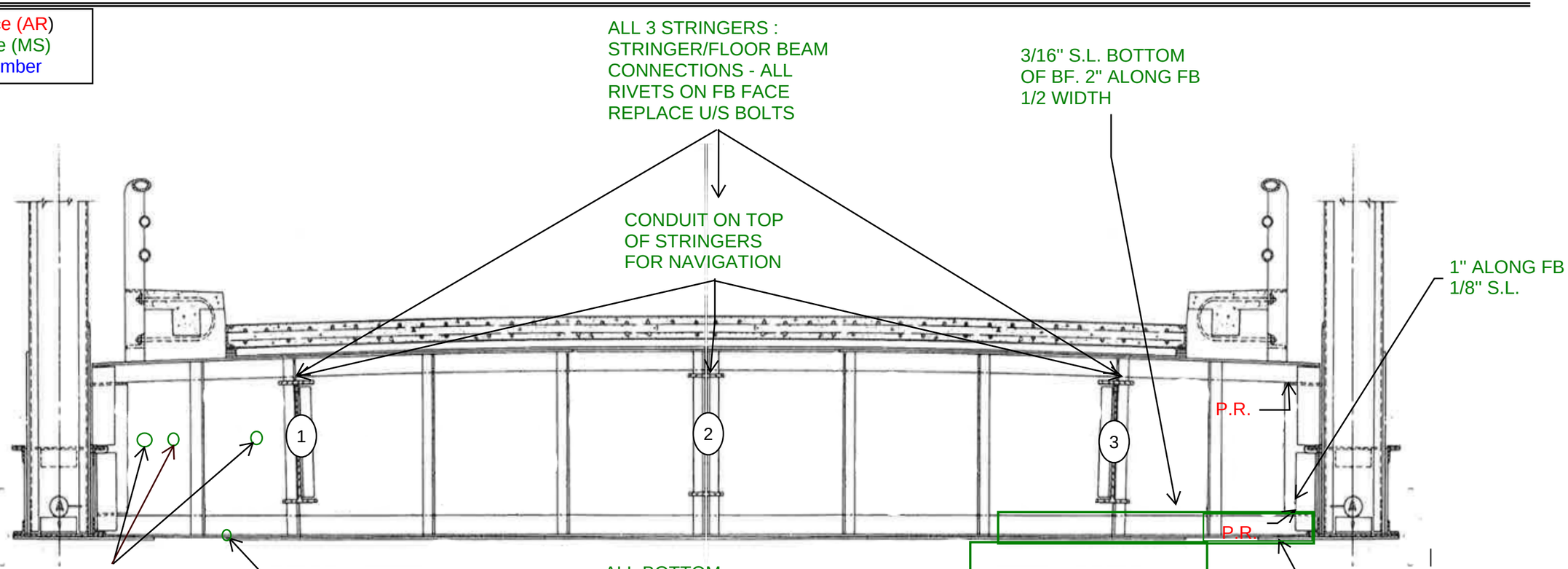
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 39

Notes:

L39: NEW DECK, CROSS BEAMS & LATERALS ALL BOLTED CONNECTIONS. POSSIBLY NEW STRINGERS.

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Made by: BCM/JSP Date: 05-12-2022
Checked by: _____ Date: _____
Description: Bridge No. 02899

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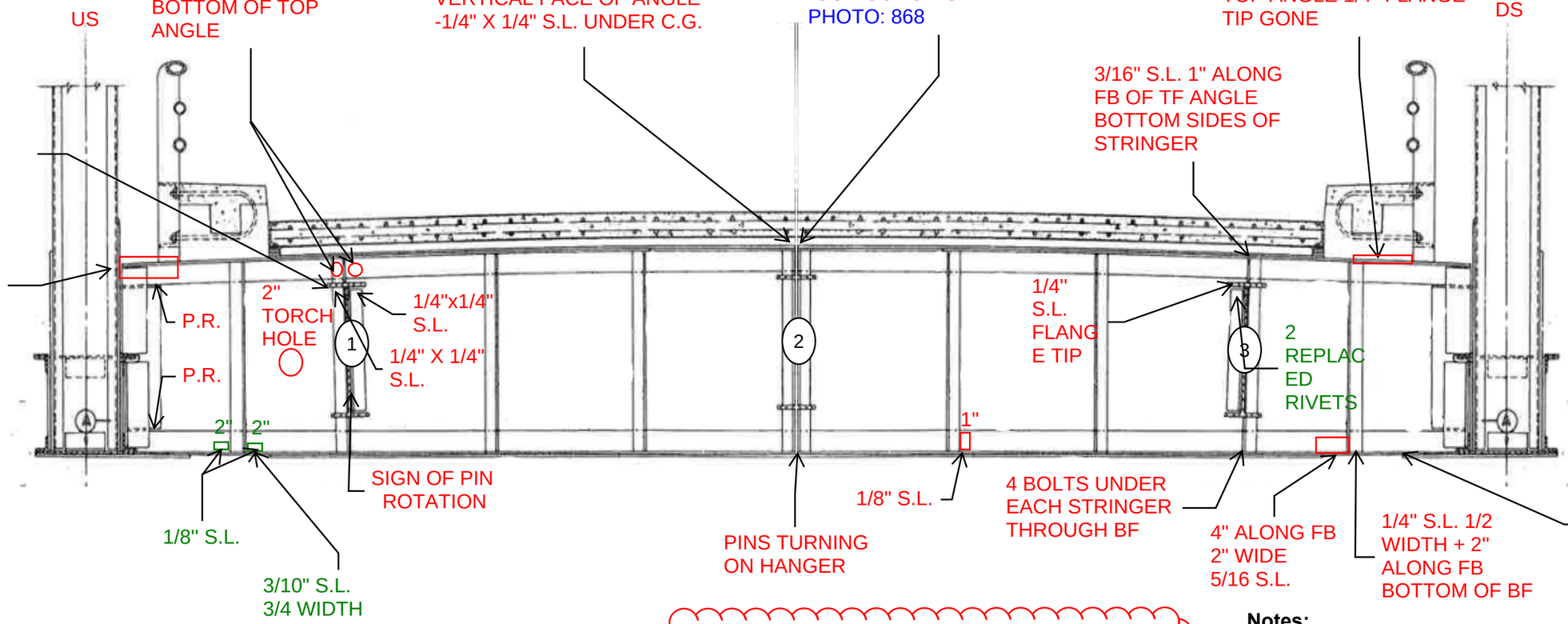
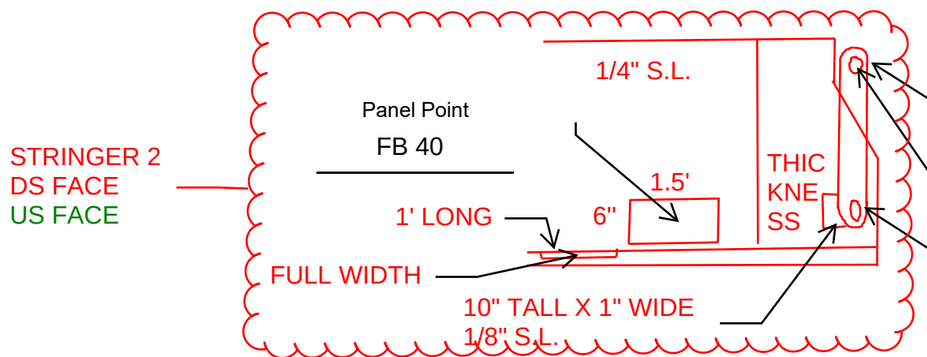
West Face (AR)
East Face (MS)
Photo Number





Notes:

REPLACED HANGER. WITH RESPECT TO STRINGER, HANGER PLATE BOUNCING

PINS HAVE ROTATED WEARING ON HANGER. TOP & BOTTOM NUT LOOSE CAN ROTATE WITH HAND US TOO

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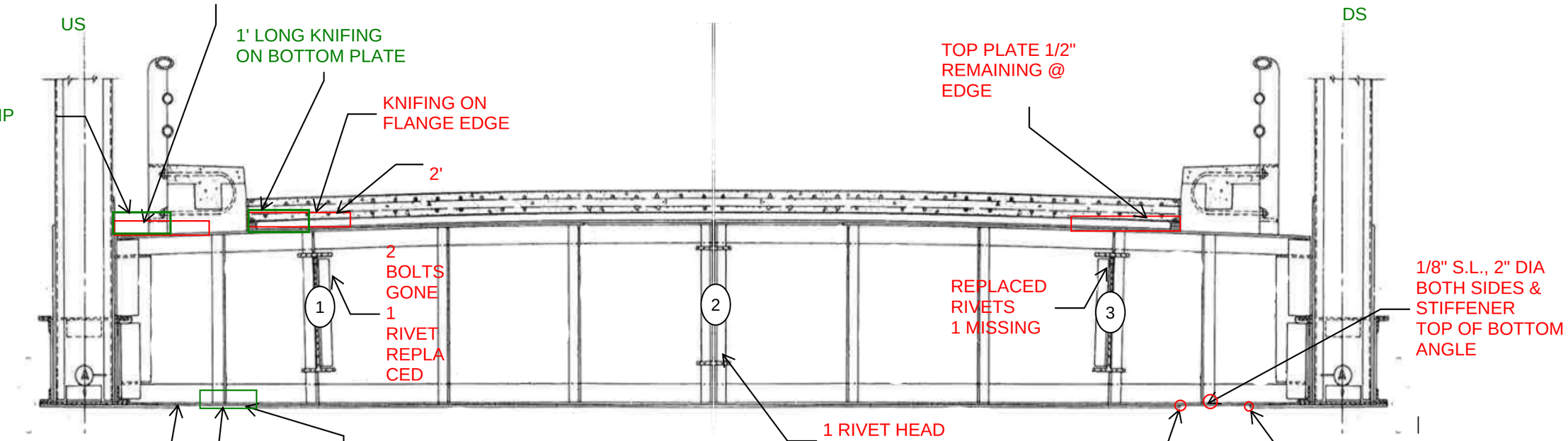
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 41

Notes:

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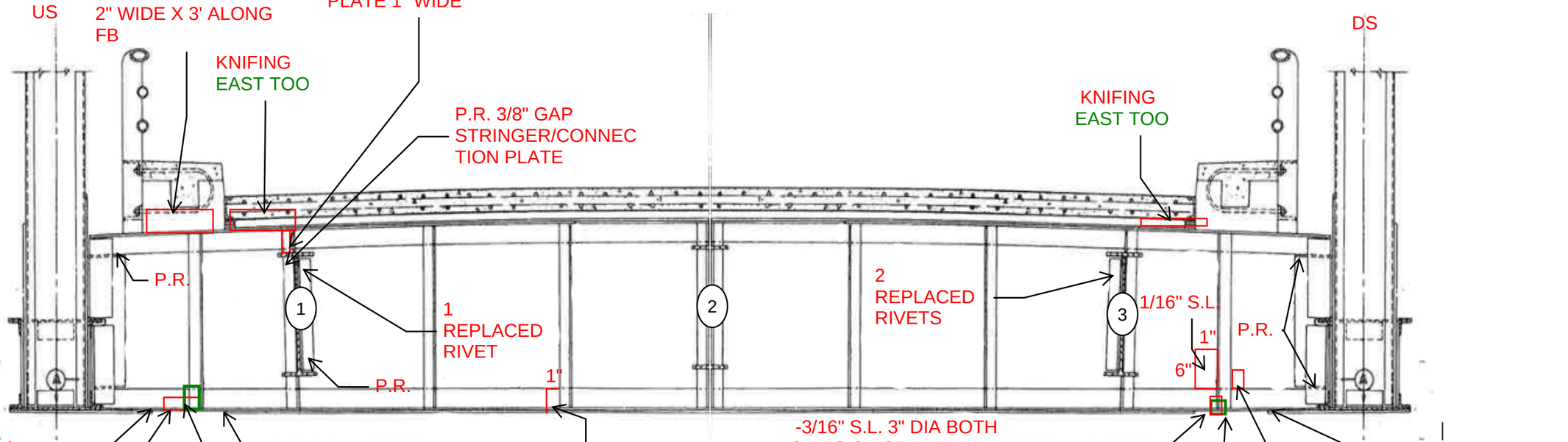
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 42

Notes:

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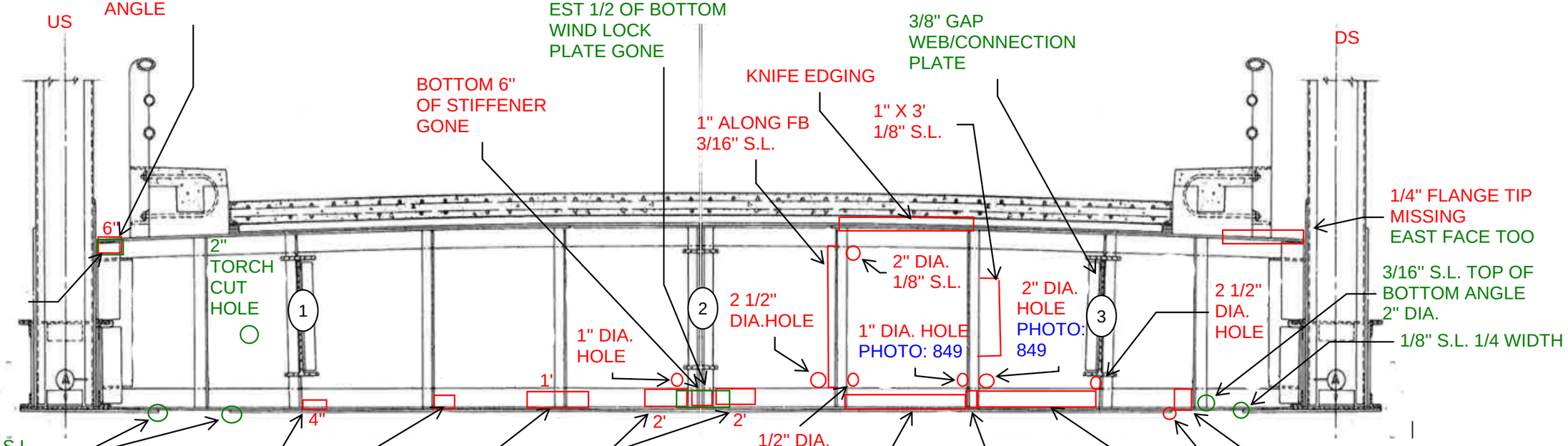
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



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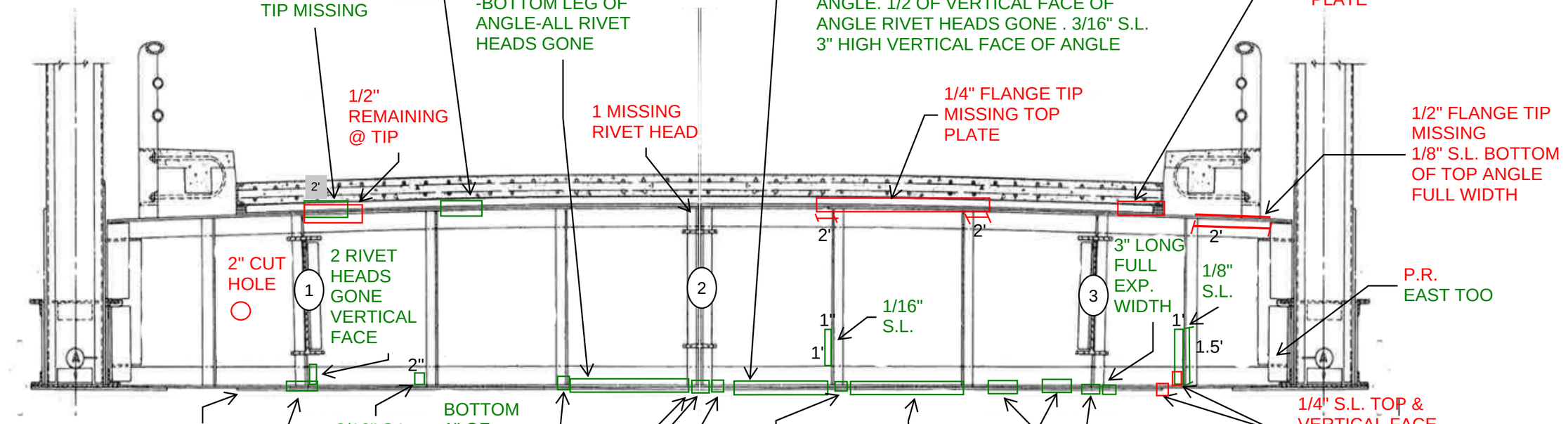
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-11-22
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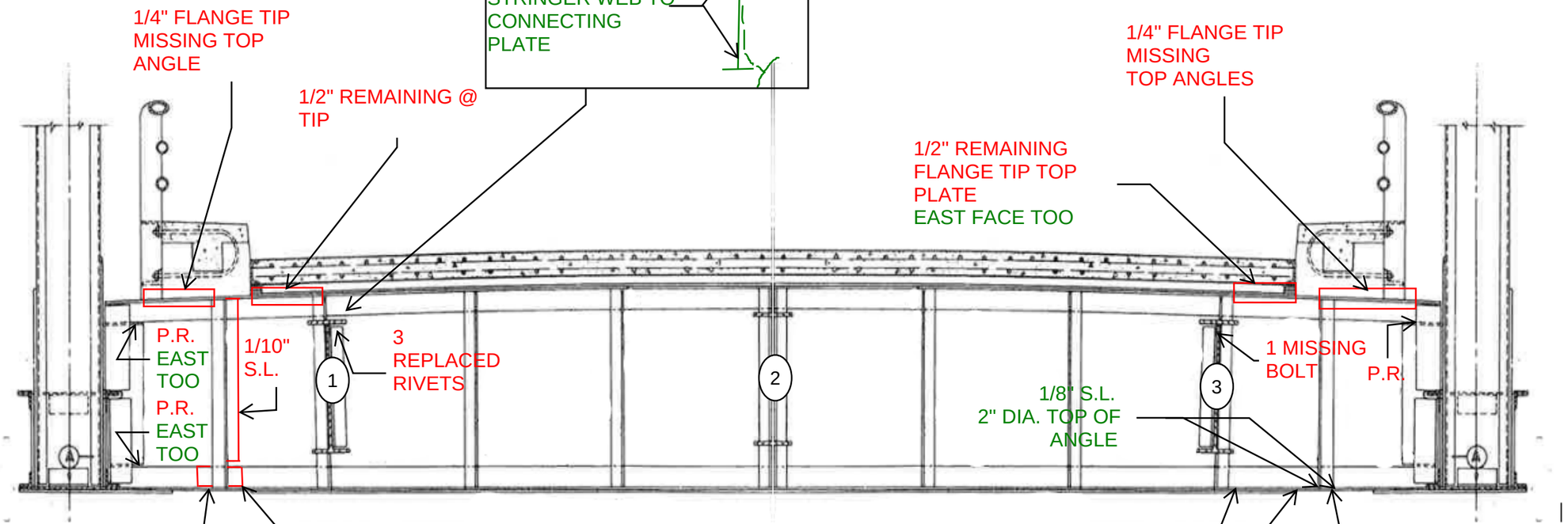
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 44

Notes:

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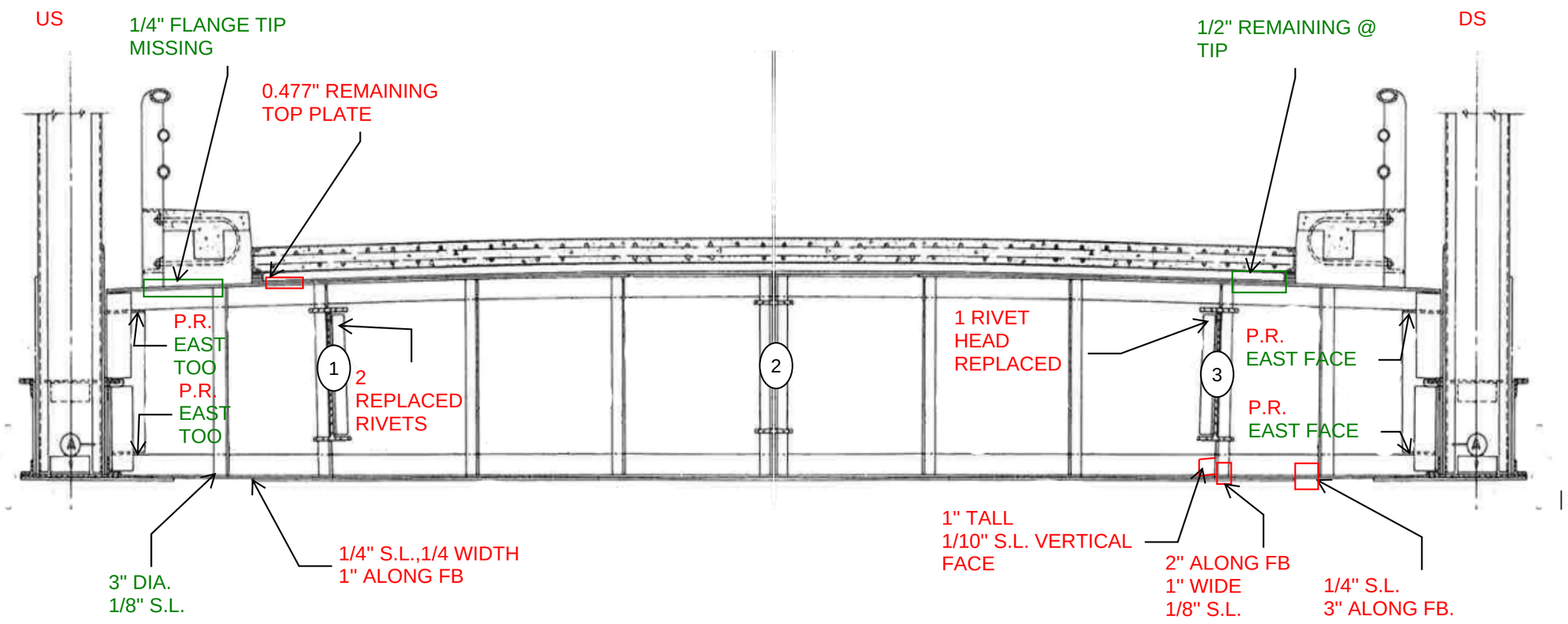
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-11-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 45

Notes:

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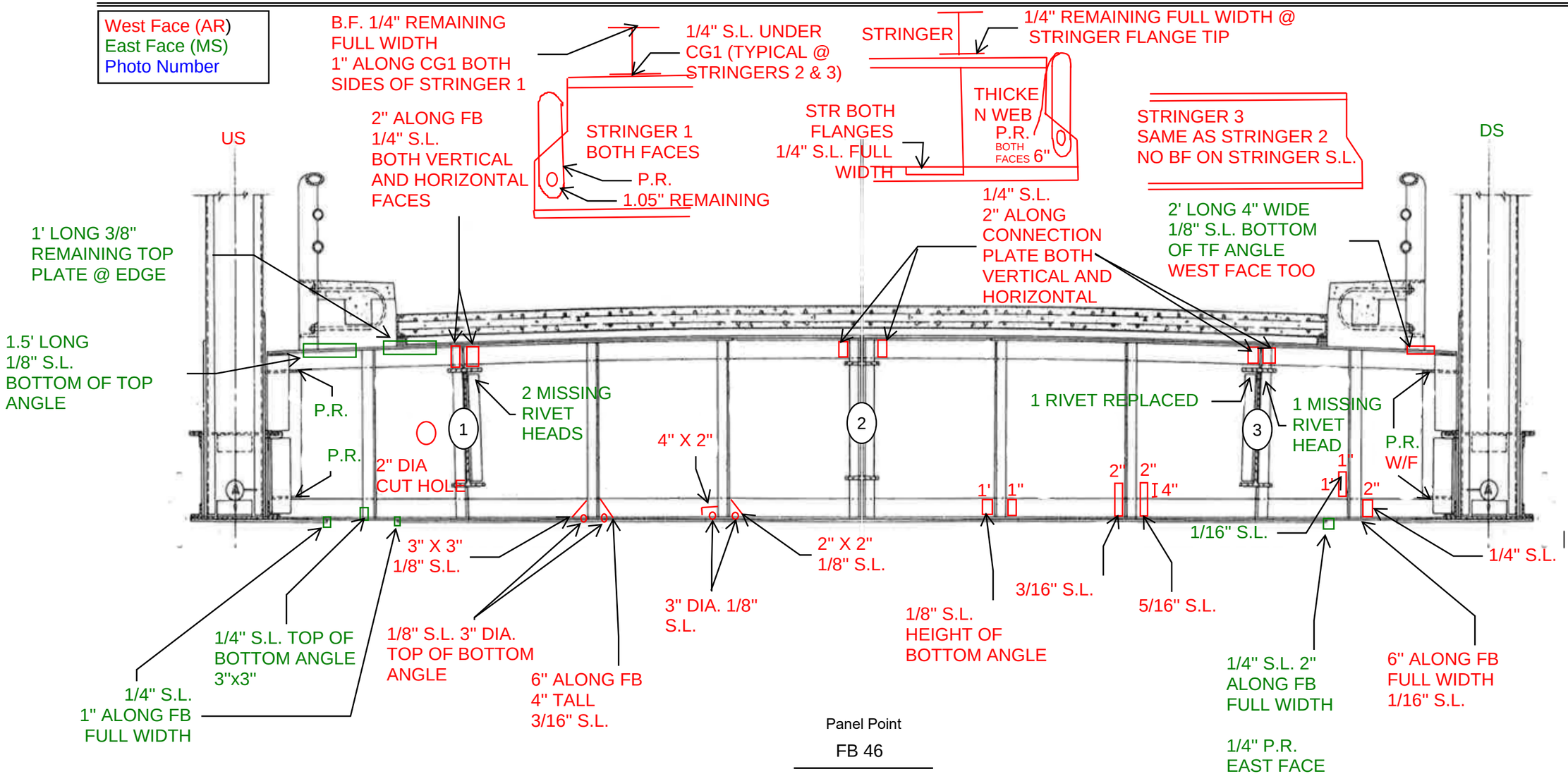
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-10-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 46

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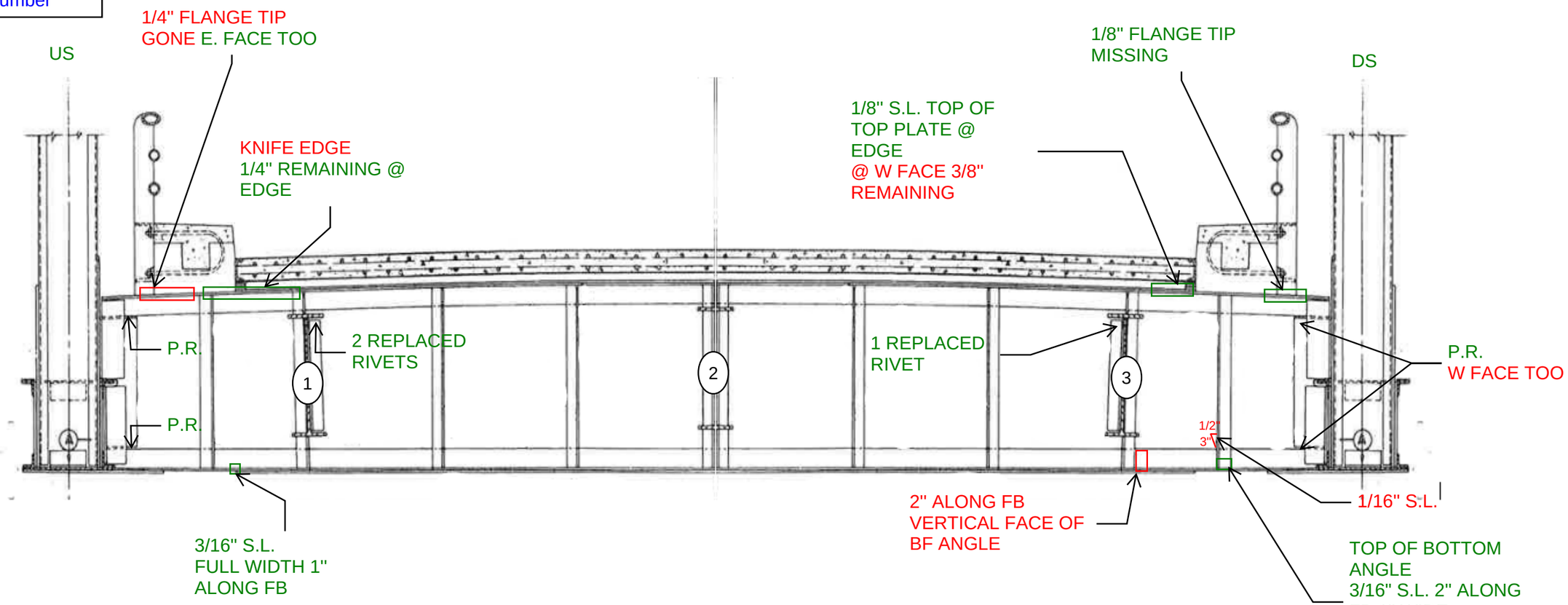
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: NO DATE ON NOTES
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 47

Notes:

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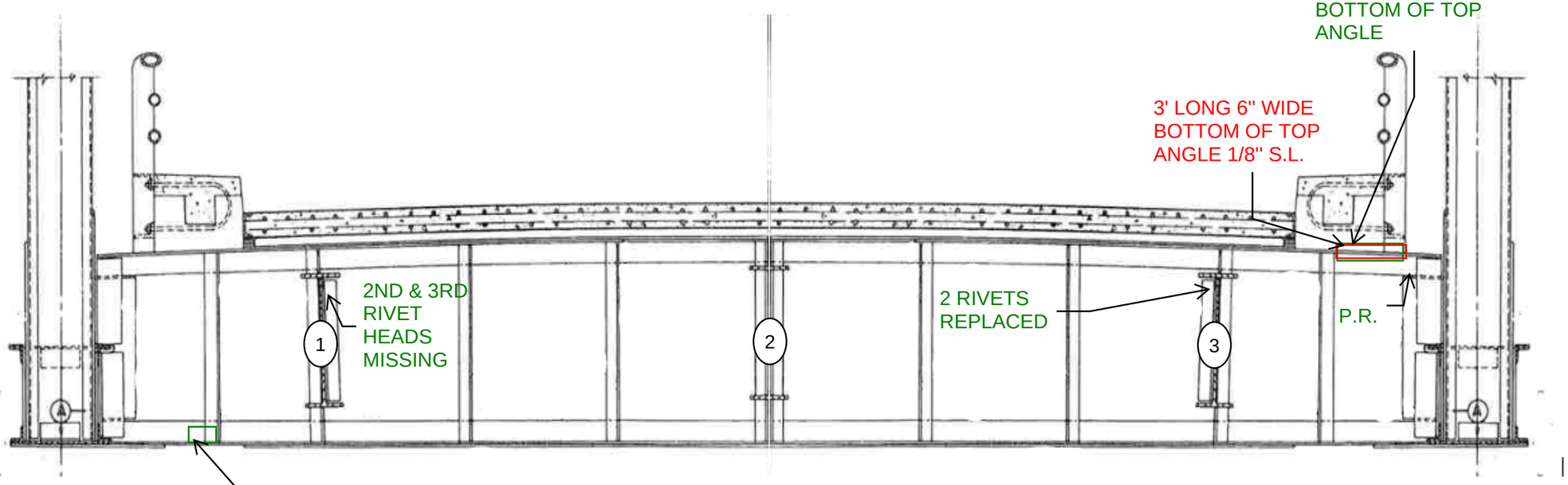
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: NO DATE ON NOTES
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number

US

DS



Panel Point
FB 48

Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-10-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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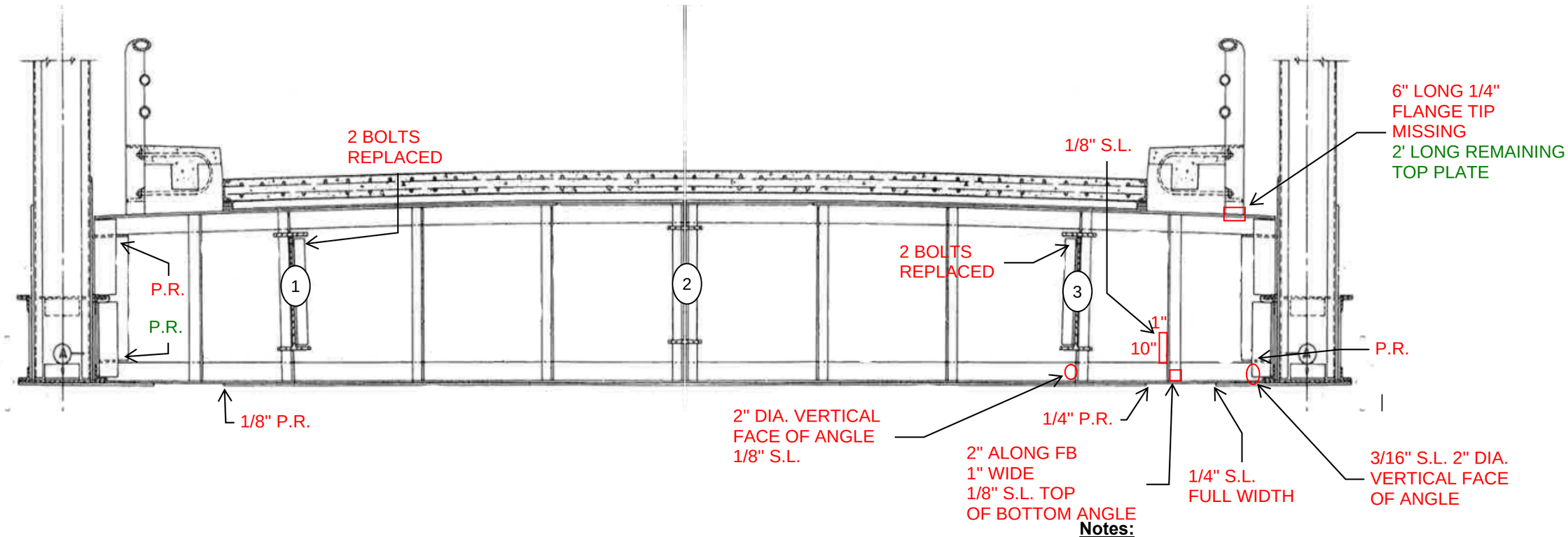
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 49

Notes:

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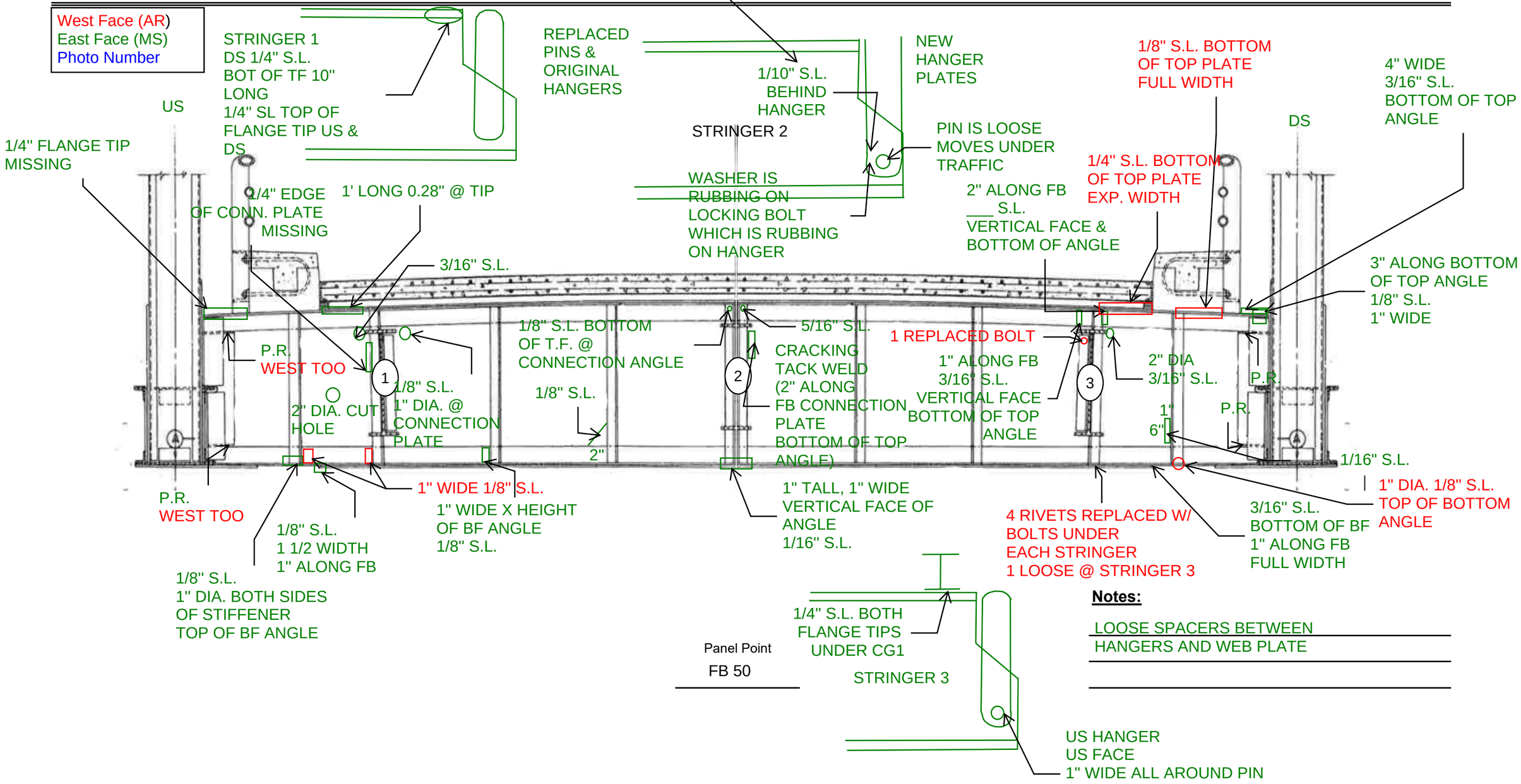
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. ____ of ____
Made by: BCM/JSP Date: 05-10-22
Checked by: ____ Date: ____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 50

Notes:

LOOSE SPACERS BETWEEN HANGERS AND WEB PLATE

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-10-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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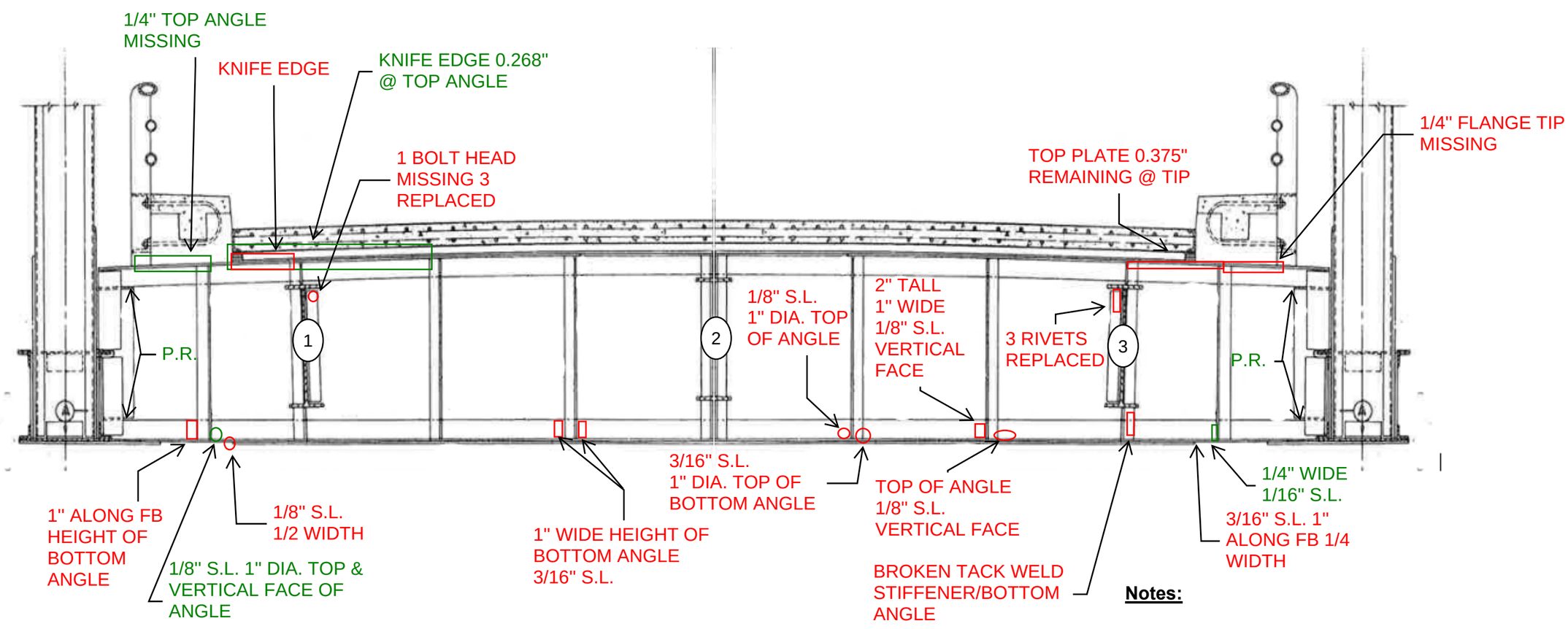
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 51

Notes:

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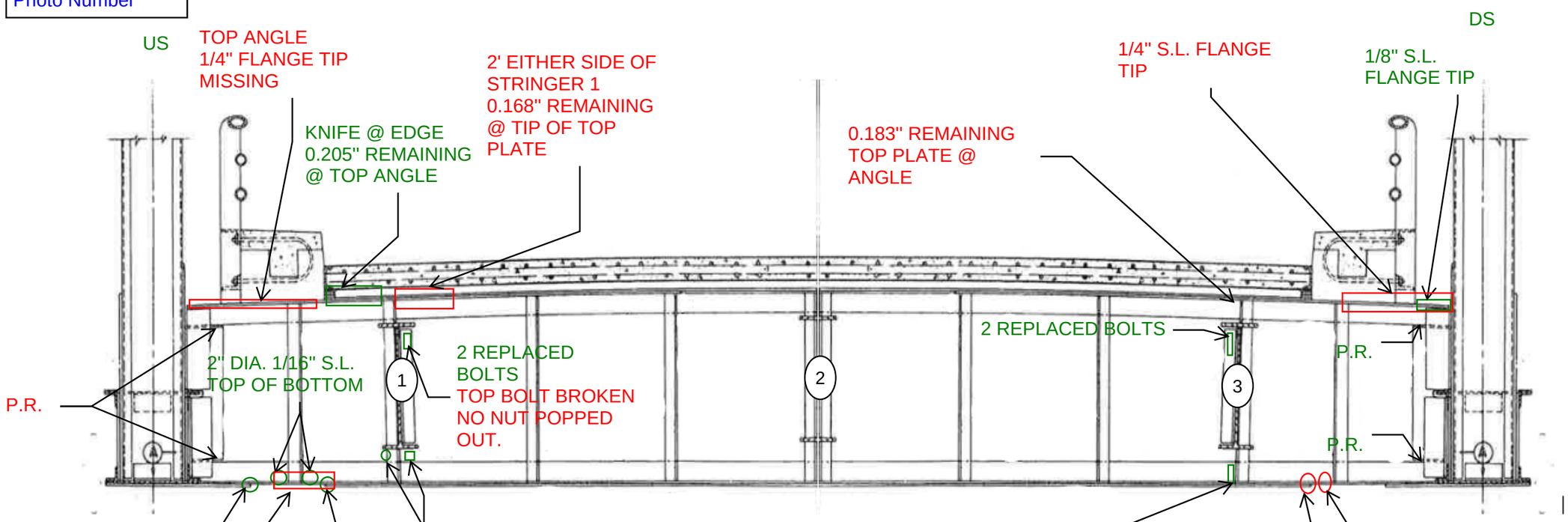
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: NO DATE ON NOTES
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 52

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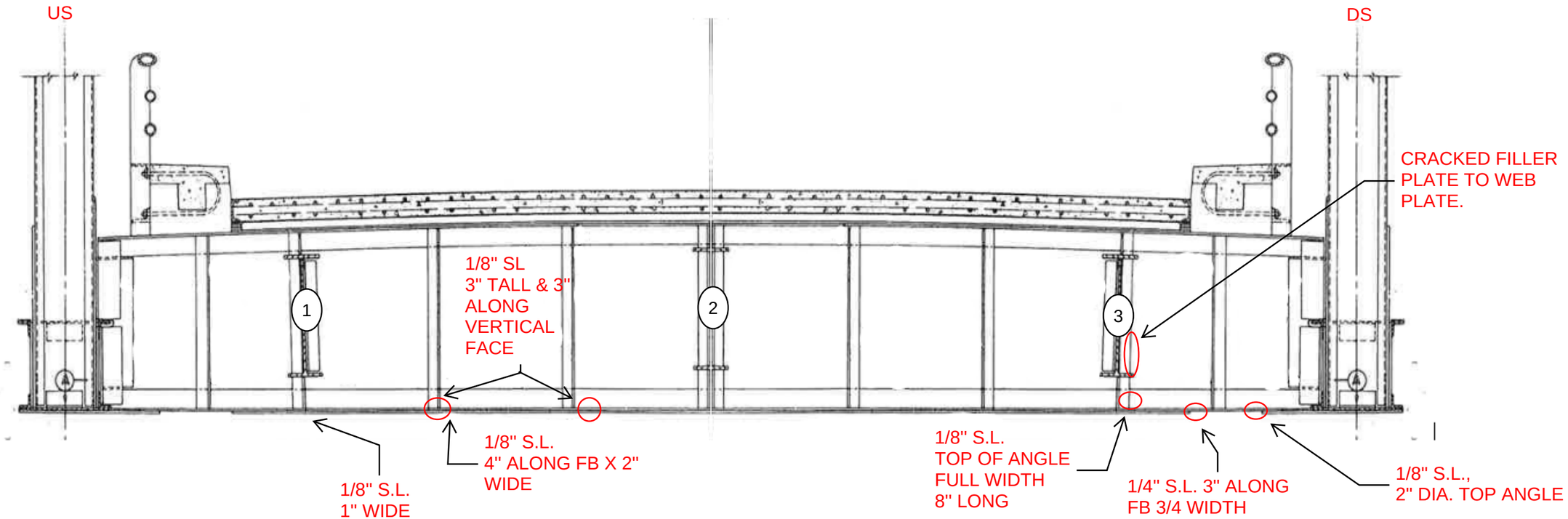
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-09-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 53

WEST FACE

Notes:

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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-09-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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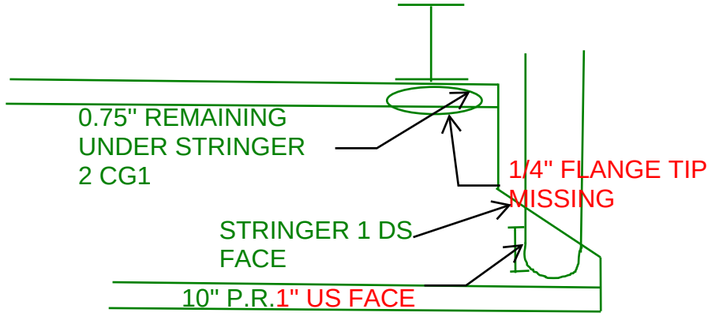
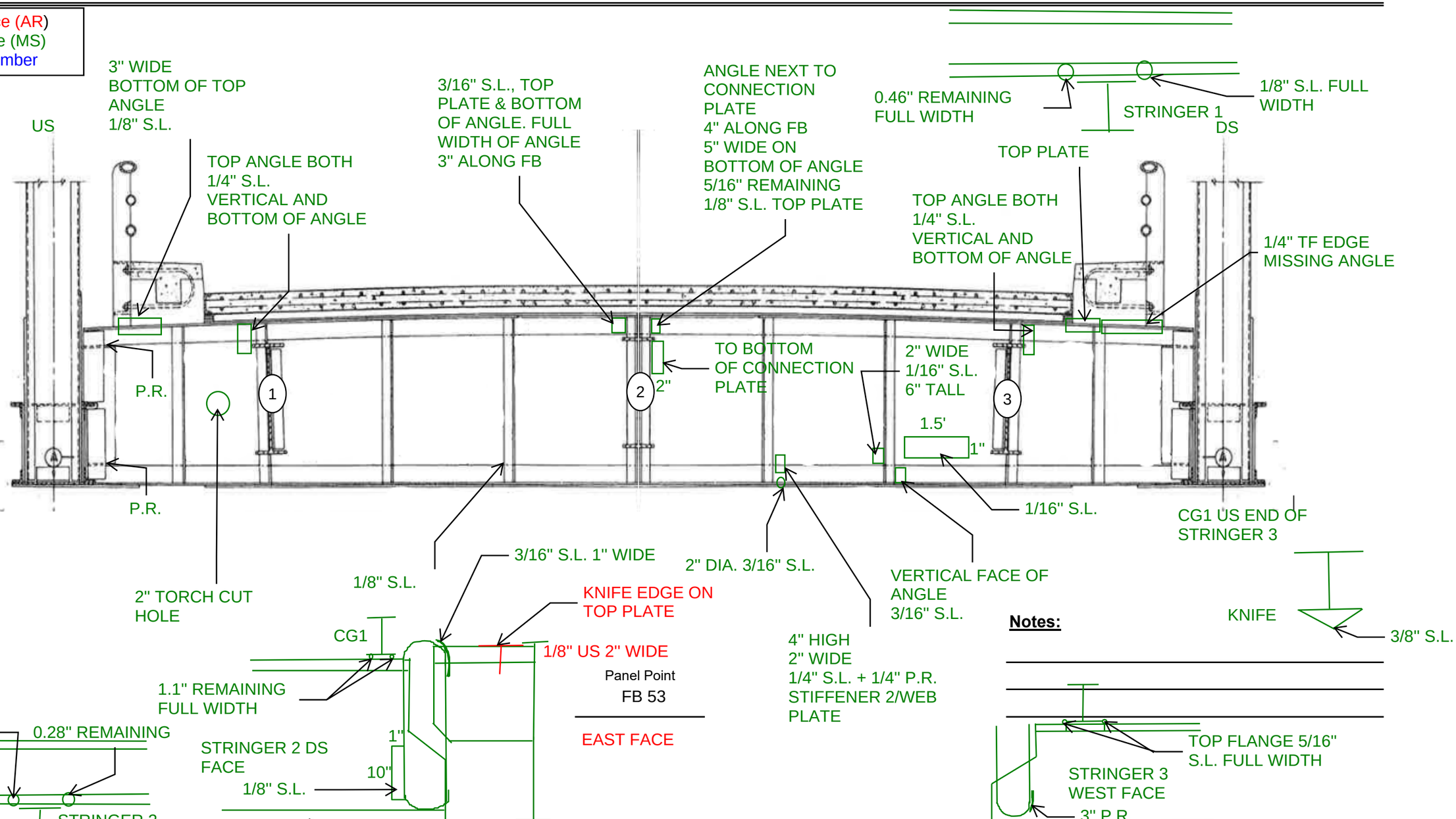
West Face (AR)
East Face (MS)
Photo Number





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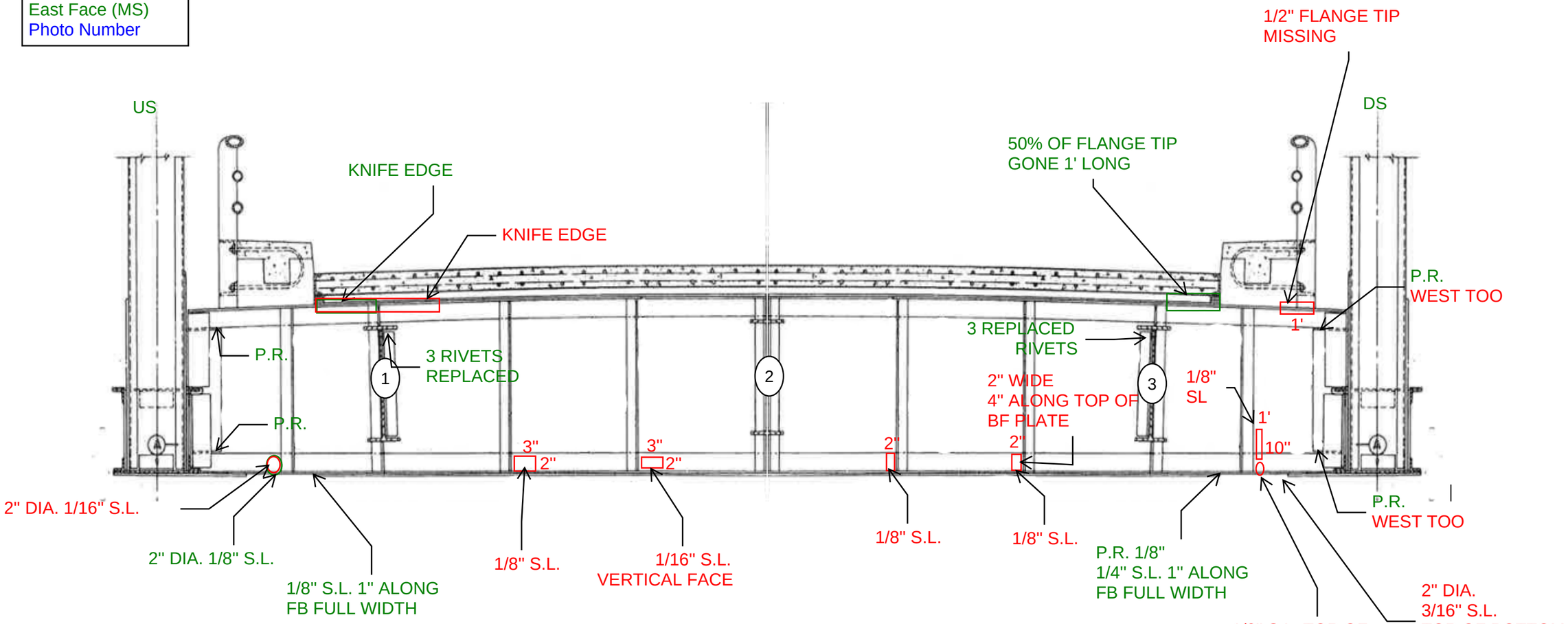
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-09-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 54

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 05-09-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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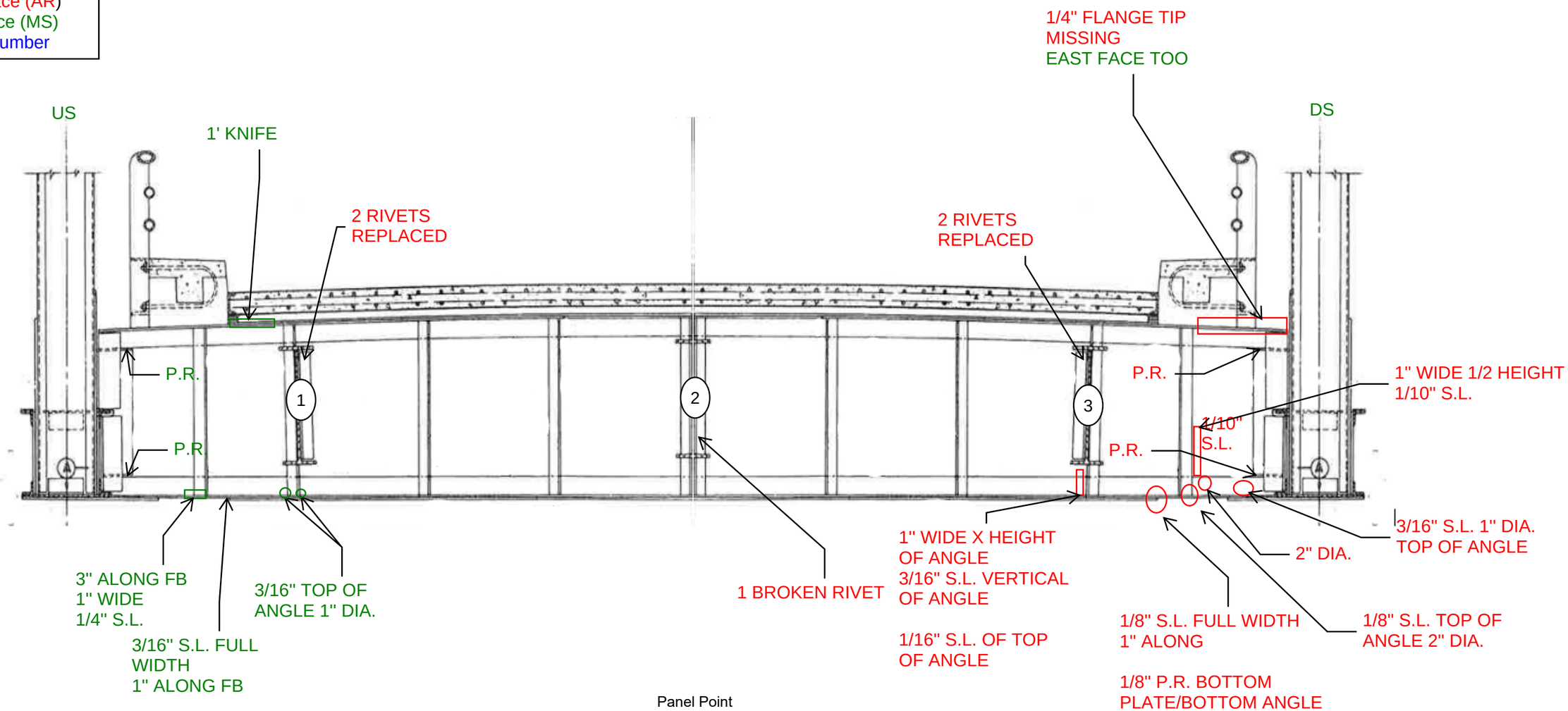
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 55

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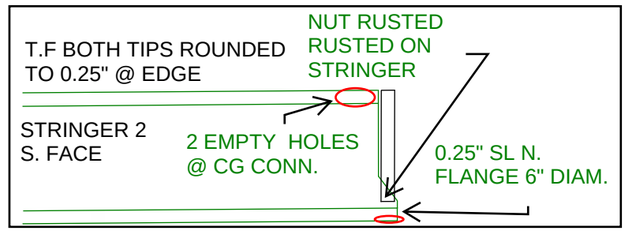
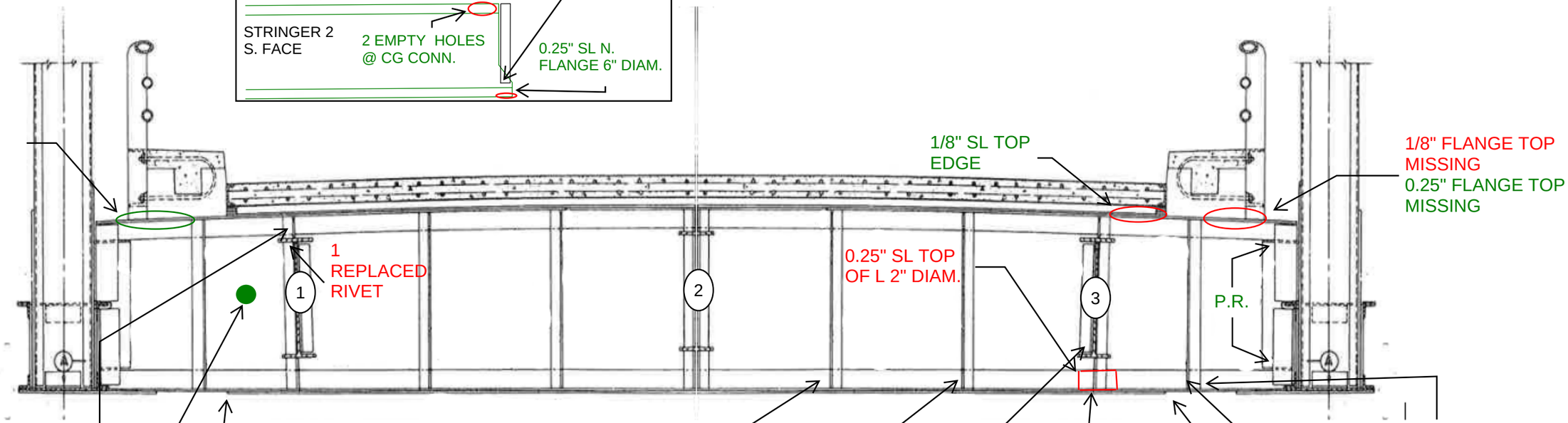
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number





Notes:

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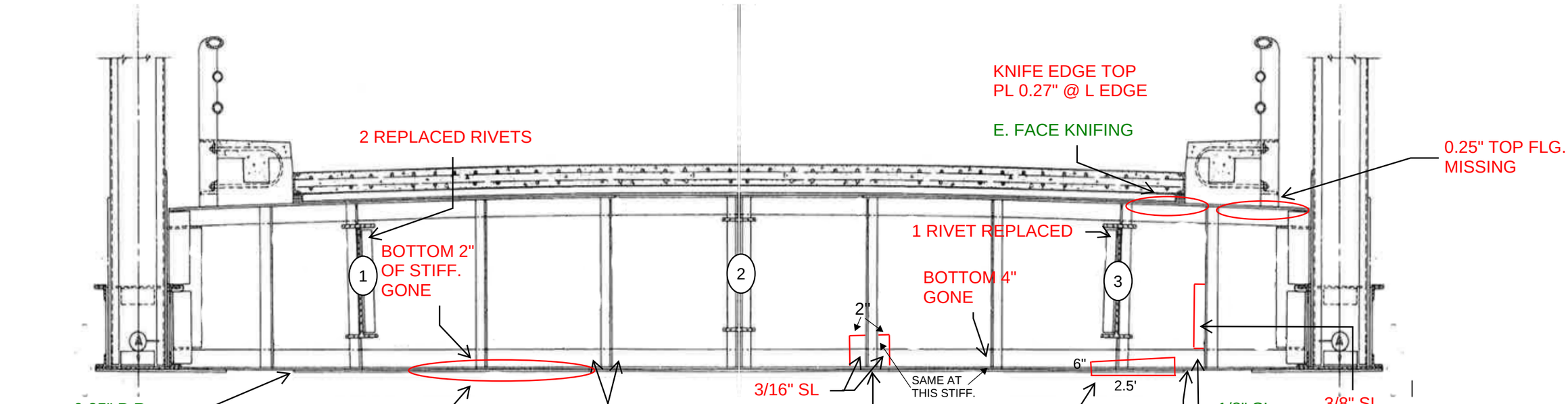
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 57
FACING EAST

Notes:

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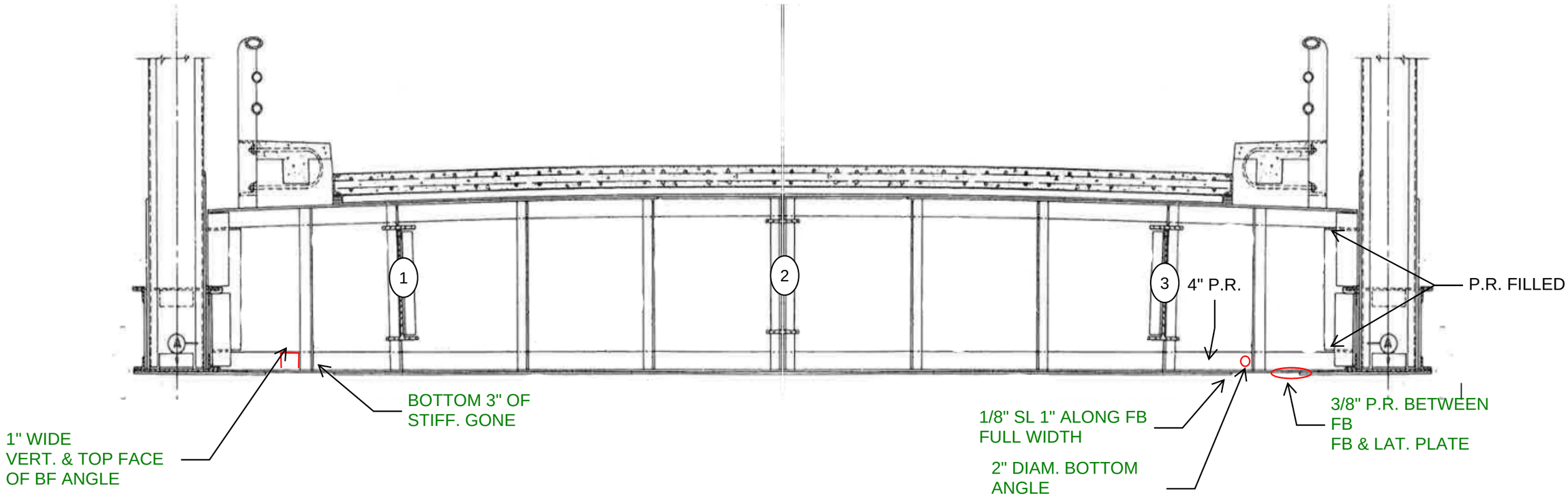
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 58

FACING EAST
EAST FACE

Notes:

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INTERNATIONAL
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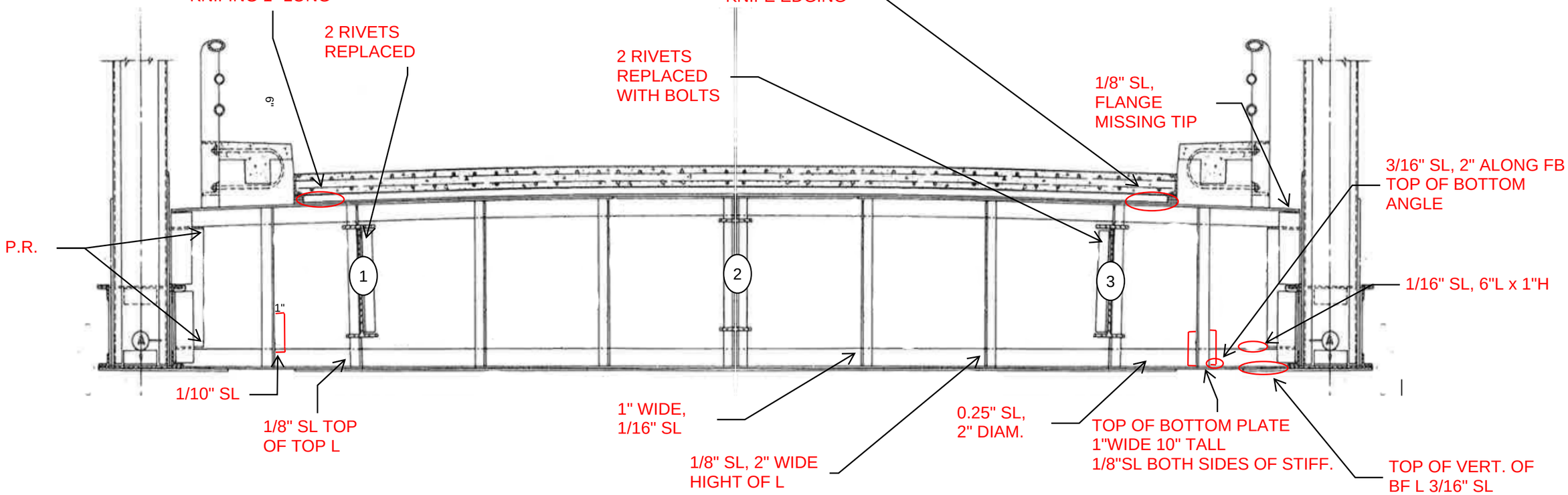
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 58

FACING EAST
WEST FACE

Notes:

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INTERNATIONAL
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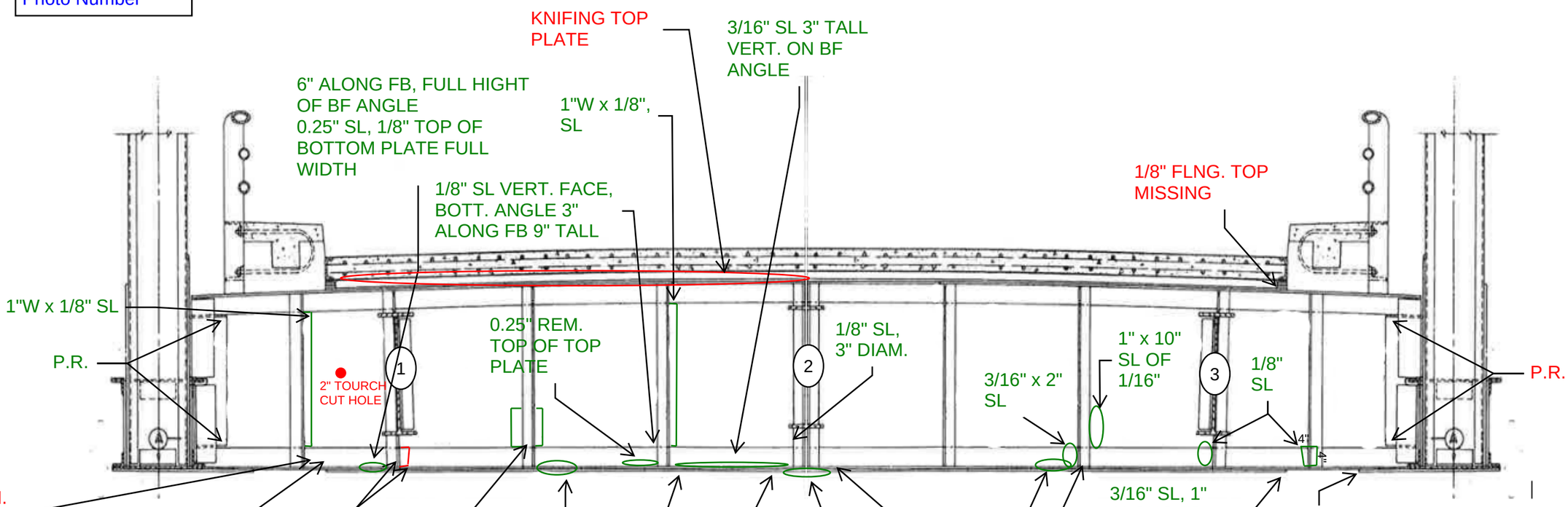
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-8-22 & 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Notes:

_____

_____

_____

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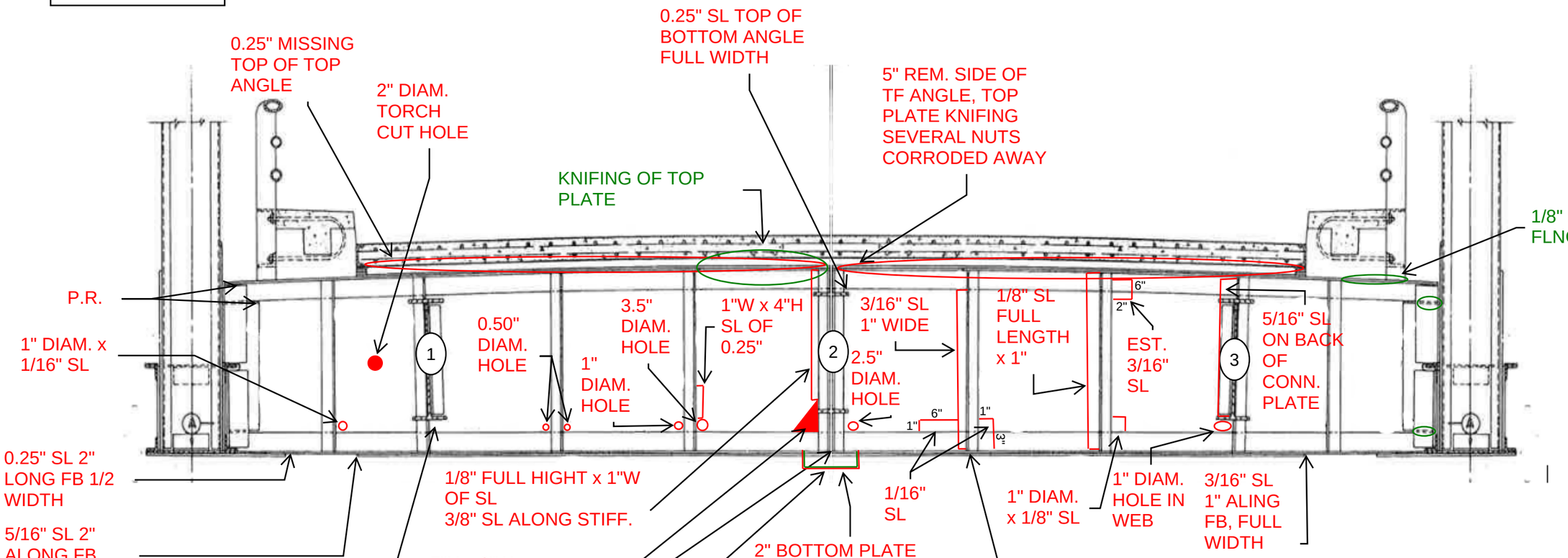
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Notes:

WIND LOCK RUSTED IN PLACE UP AGAINST US SIDE.

TROUGH HAS 2 HOLES IN BOTTOM AT GIRDER POINTS, DEBRIS FILLED.

CROSS - GIRDER 1 E. FB FULL LENGTH BF DISTORTION UP TO 3/16", WEB VARIES FROM VERT. TO 2.5* OUT OF PLUM

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Job: ARDOT 110812 --- Bridge Preservation
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Made by: BCM / JSP Date: 5-8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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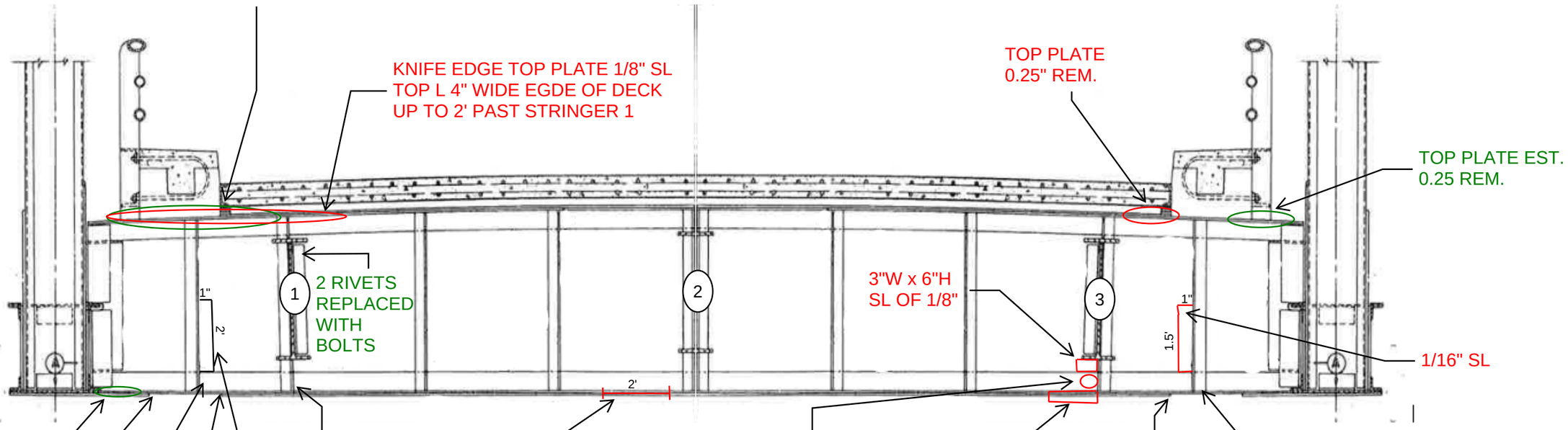
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 60
FACING EAST

Notes:

_____
_____
_____

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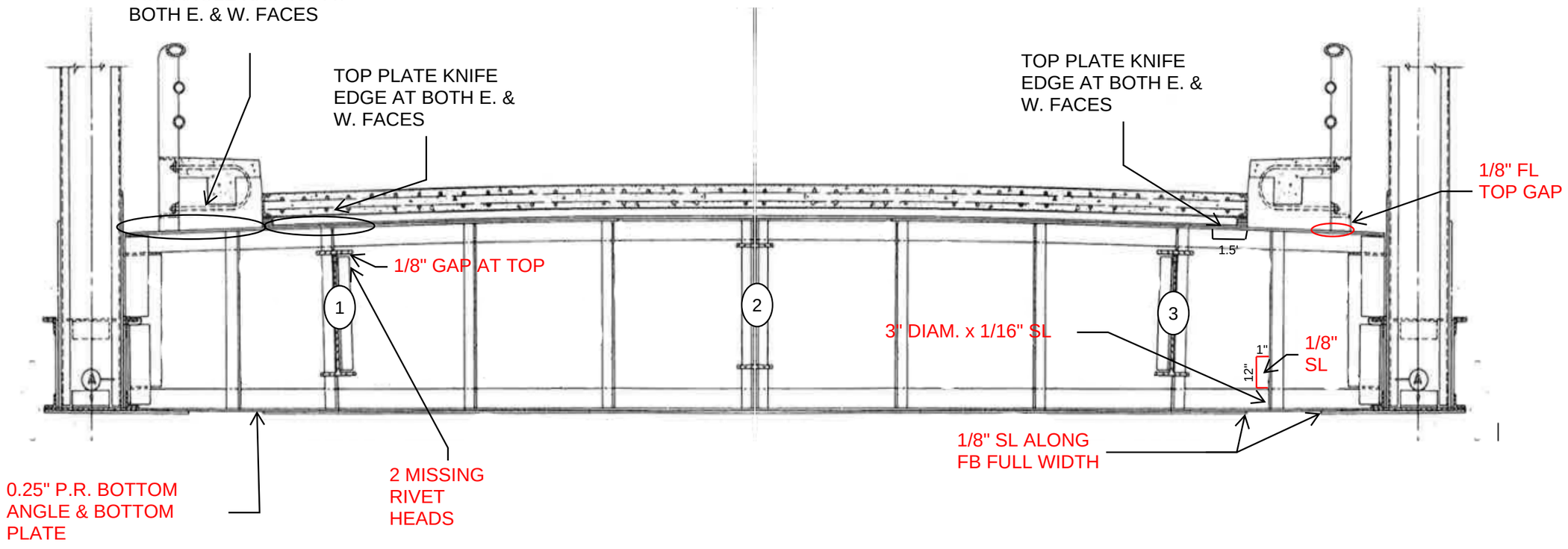
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 61
FACING EAST

Notes:

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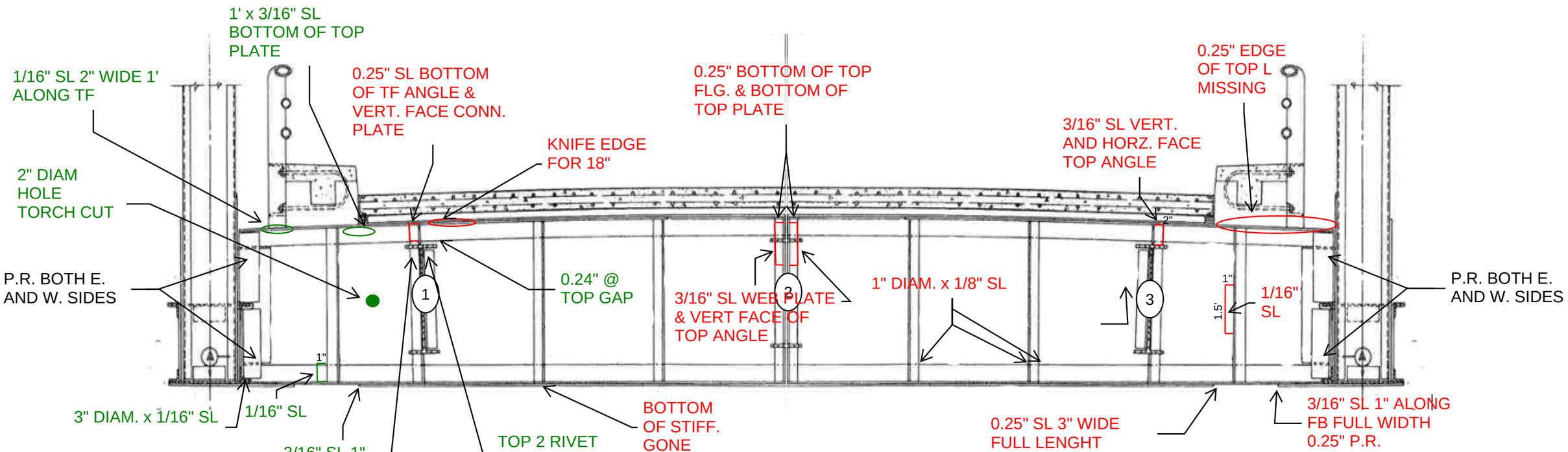
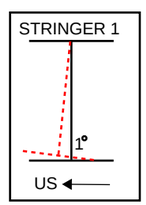
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

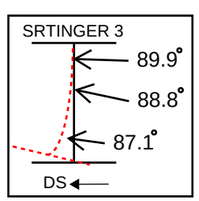
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Main Truss FB

West Face (AR)
East Face (MS)
Photo Number





Panel Point
FB 62 PART 1
FACING EAST



Notes:

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Job: ARDOT 110812 --- Bridge Preservation
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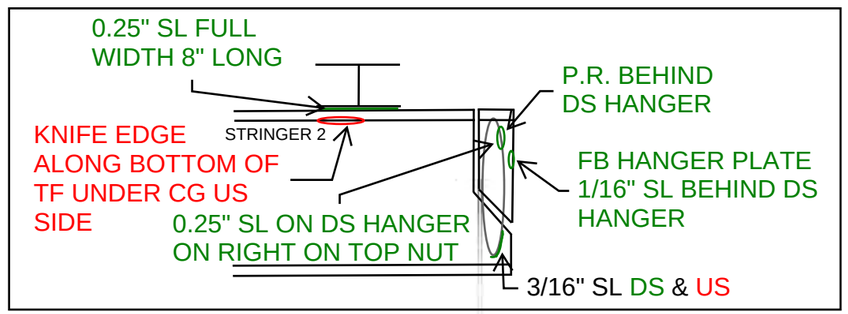
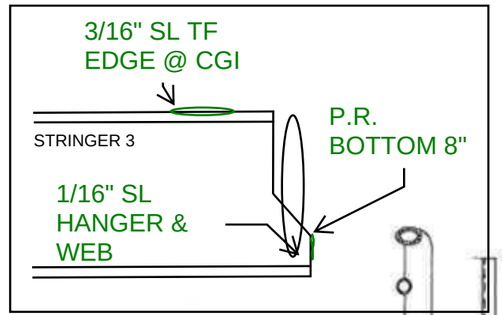
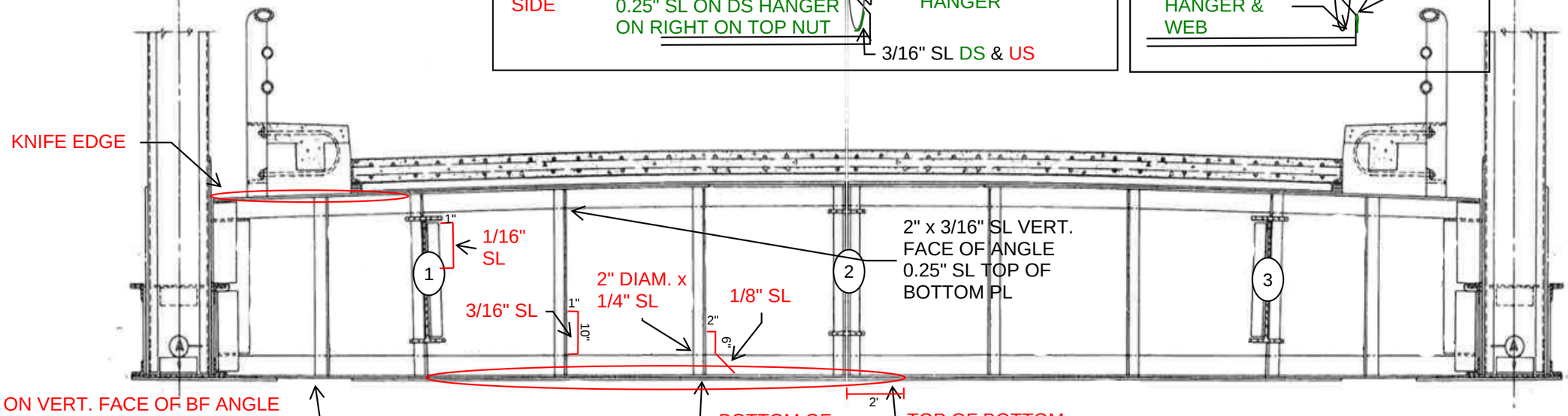
West Face (AR)
East Face (MS)
Photo Number

UP STREAM (US)

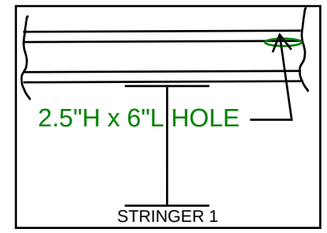
DOWN STREAM (DS)





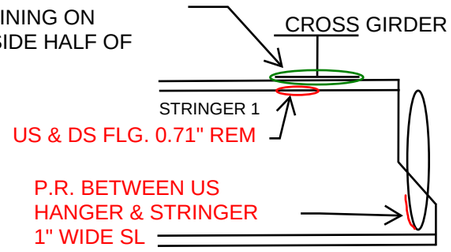


STRINGER 3 CGI 0.25" SL BF FULL WIDTH

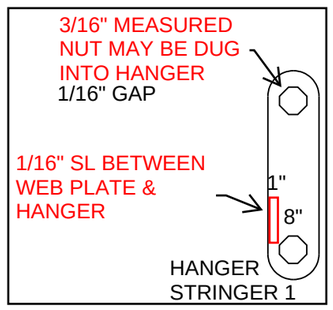


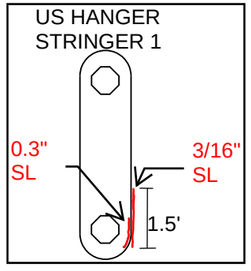
US OF STRINGER 1/4" BOTTOM FLANGE GONE EST. 0.1" REMAINS OF THE REST OF THE FLANGE
DS OF STRINGER 0.24" REMAINING ON REMANING 1/2 FLANGE OUTSIDE HALF OF BOTTOM FLANGE GONE

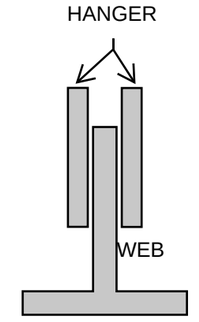
3/16" MISSING TOP OF BF UNDER CROSS GIRDER



Panel Point
FB 62 PART 2
FACING EAST







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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM / JSP Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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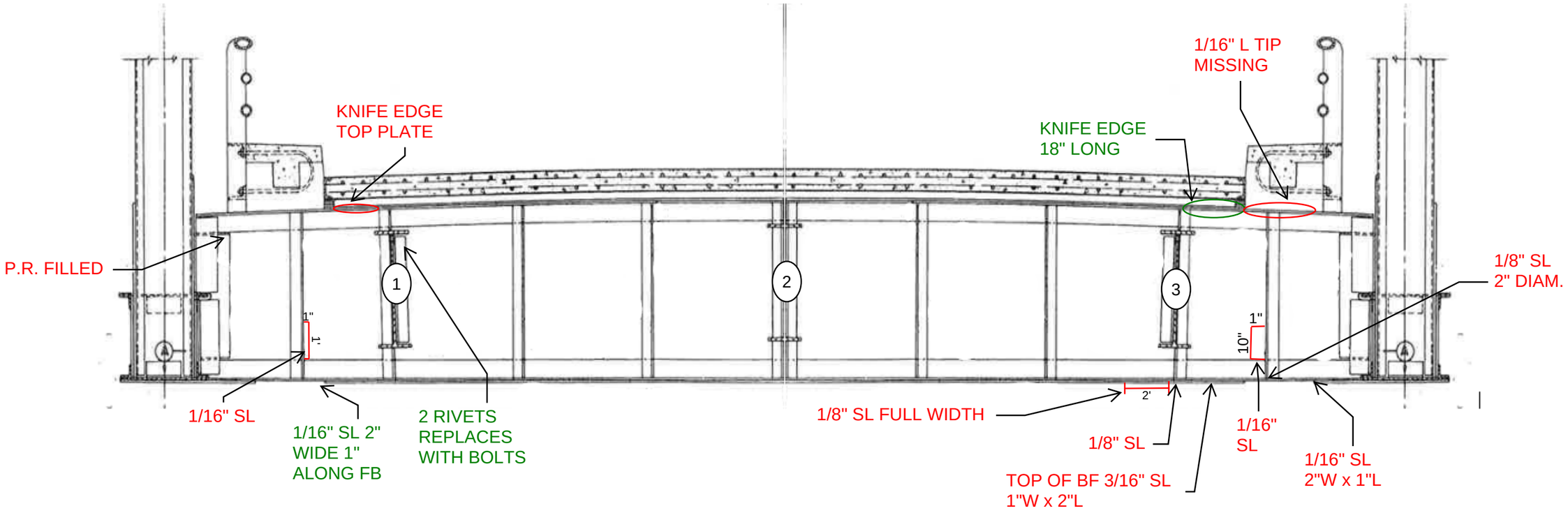
West Face (AR)
East Face (MS)
Photo Number

CROSS GIRDERS HAVE TF FLAKING UP TO FULL THICKNESS N. PART DECK CHANNEL



Panel Point
FB 63
FACING EAST

Notes:

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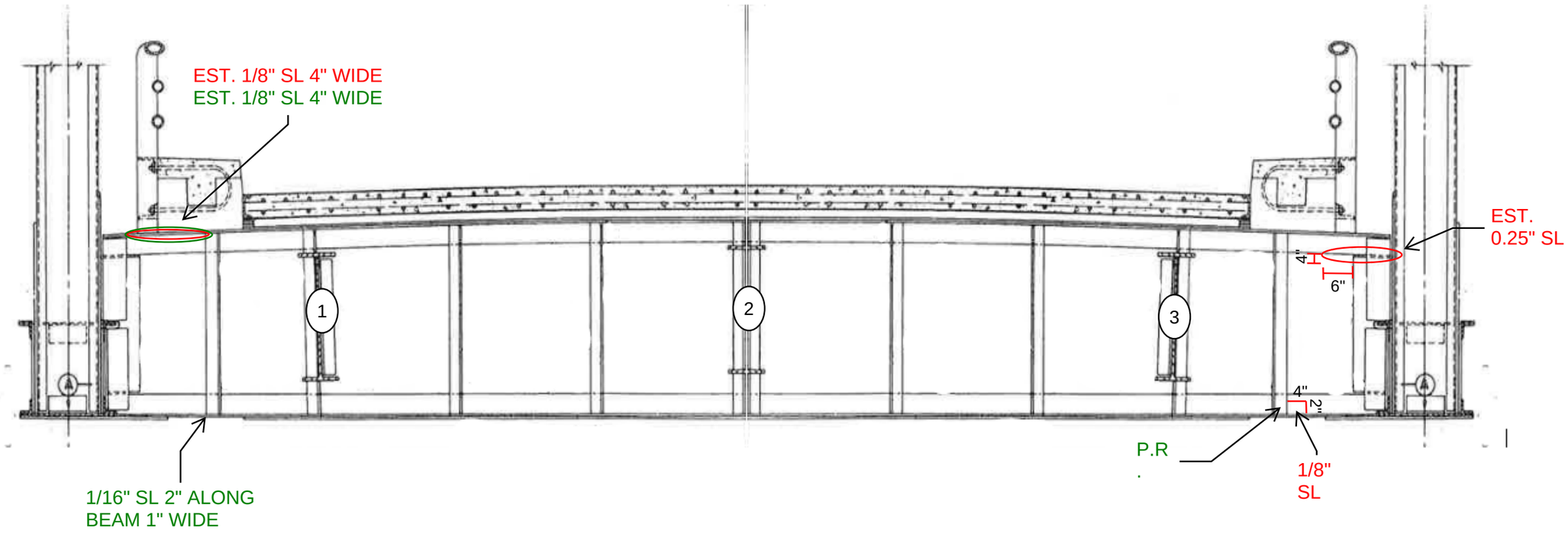
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 64
FACING EAST

Notes:

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Description: Bridge No. 02899

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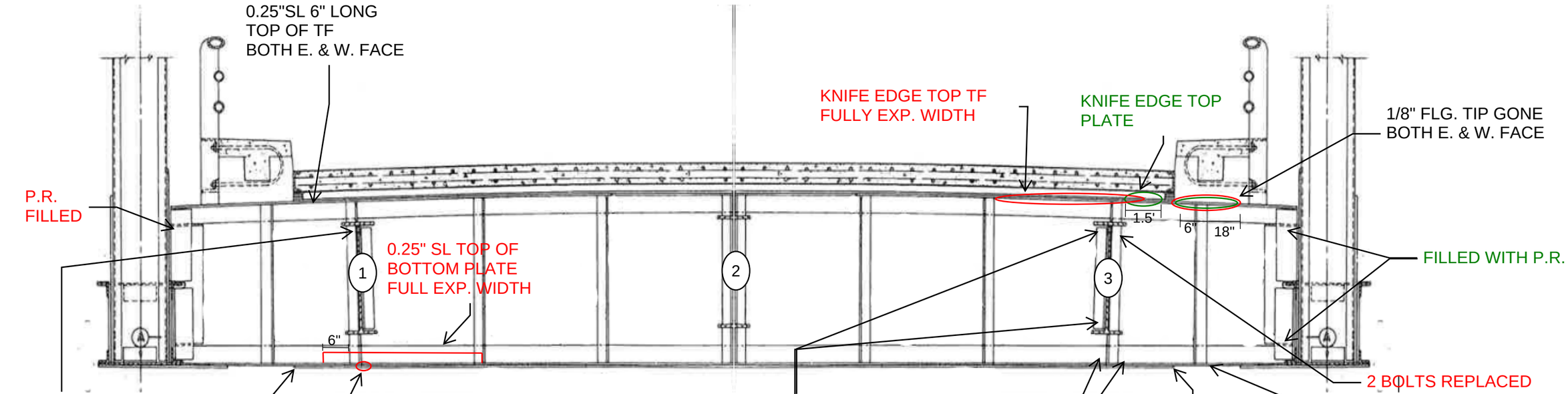
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 65
FACING EAST

Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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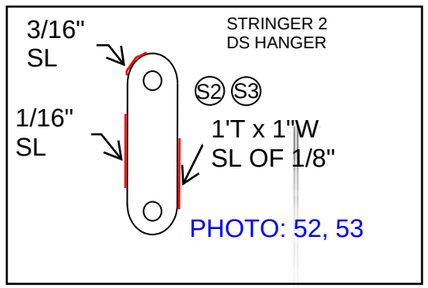
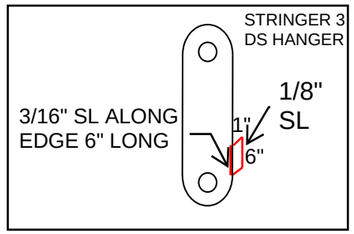
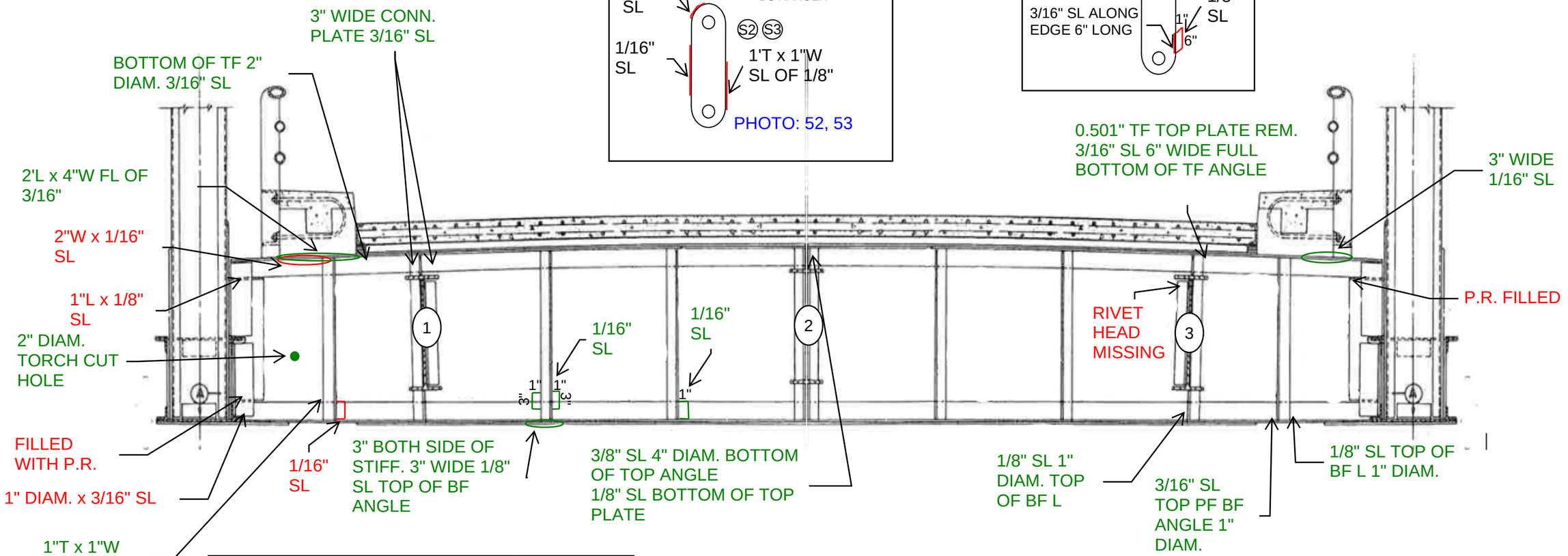
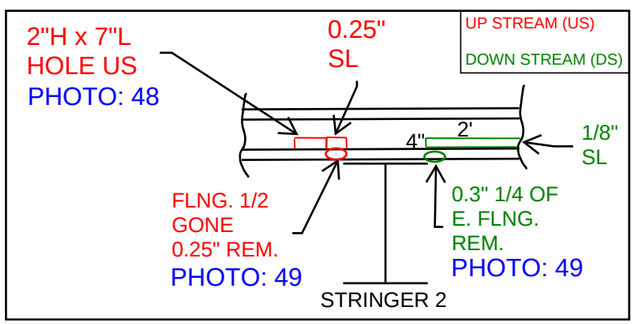
West Face (AR)
East Face (MS)
Photo Number









Panel Point
FB 66 PART 1
FACING EAST

Notes:

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Sheet No. _____ of _____
Made by: BCM / JPG Date: 5-6-22
Checked by: _____ Date: _____
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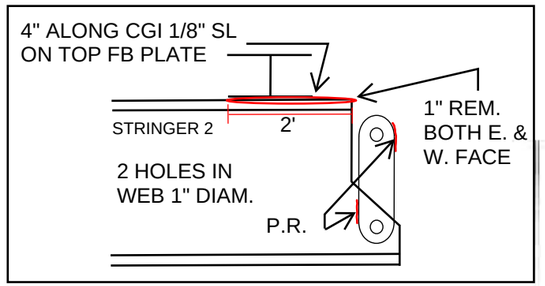
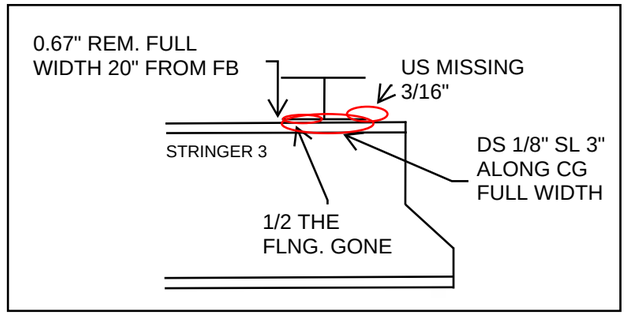
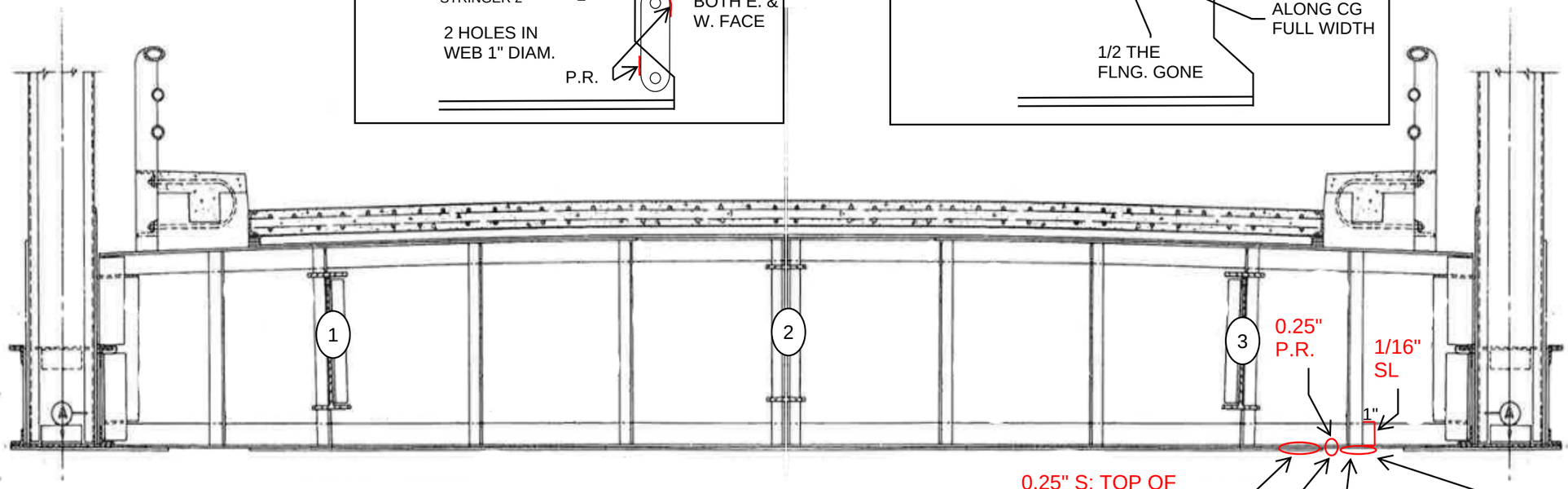
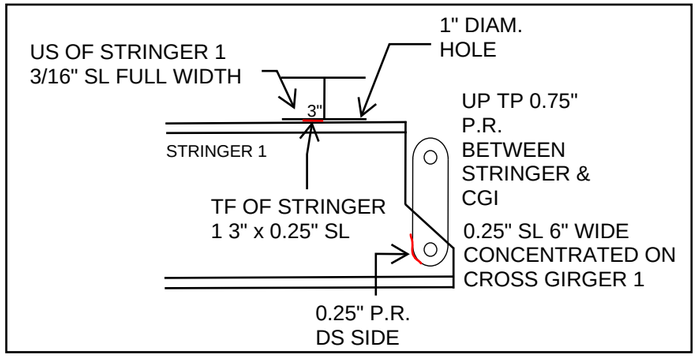
West Face (AR)
East Face (MS)
Photo Number









Panel Point
FB 66 PART 2
FACING EAST

Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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Checked by: _____ Date: _____
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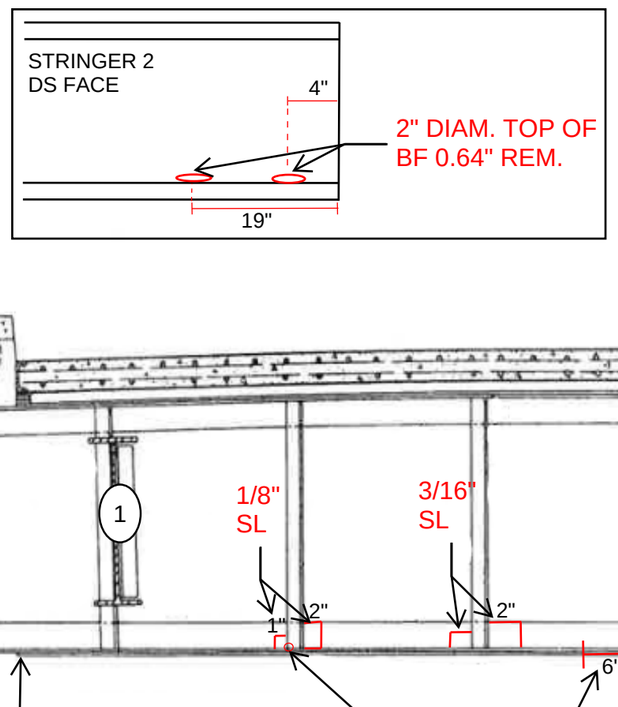
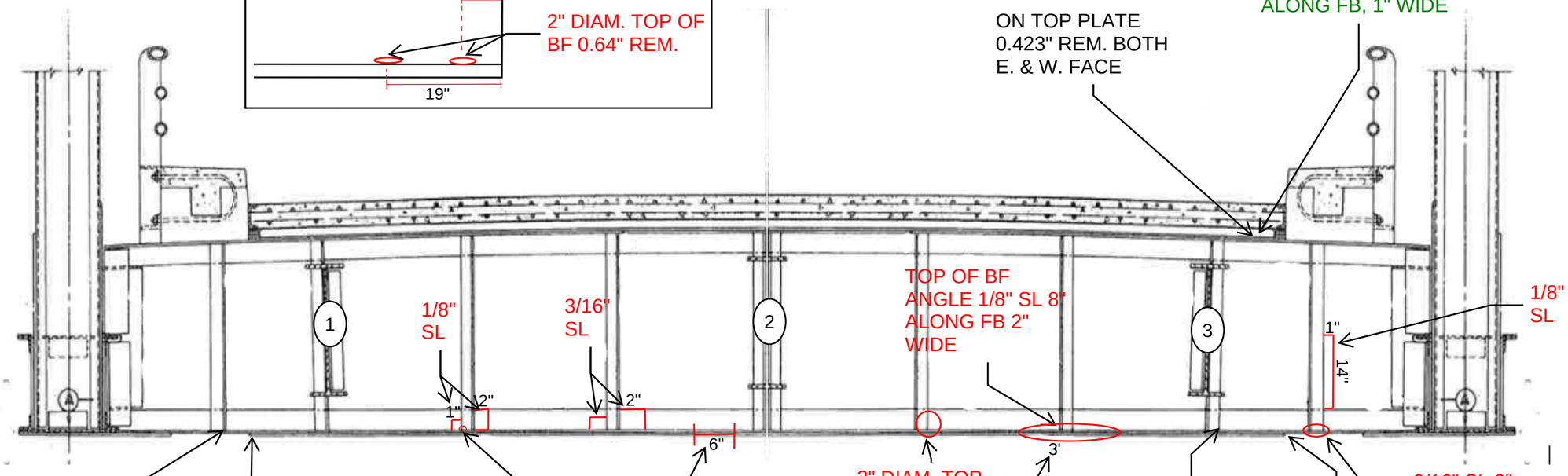
West Face (AR)
East Face (MS)
Photo Number





2" DIAM. 1/16" SL TOP OF BF ANGLE

1/8" SL 4" TO FB 2" WIDE

1" DIAM. 1/16" SL TOP OF BOTTOM PLATE

MISSING1/8" BF ANGLE TIP 0.25" TOP OF BF

3" DIAM. TOP OF BF ANGLE 1/8" SL

MISSING 1/8" TOP OF BF ANGLE 0.25" SL TOP OF BF PLATE
PHOTO: 39, 40

TOP OF BF 3" ALONG FB 1" WIDE 0.25" SL

1/8" SL BOTTOM CENTER 4" ON ANGLES

3/16" SL 3" EITHER SIDE OF STIFF. 3" WIDE TOP OF BF

ON TOP PLATE 0.423" REM. BOTH E. & W. FACE

1/8"SL ON BOTTOM OF CONN. PLATE 2" ALONG FB, 1" WIDE

Notes:

Panel Point
FB 67
FACING EAST

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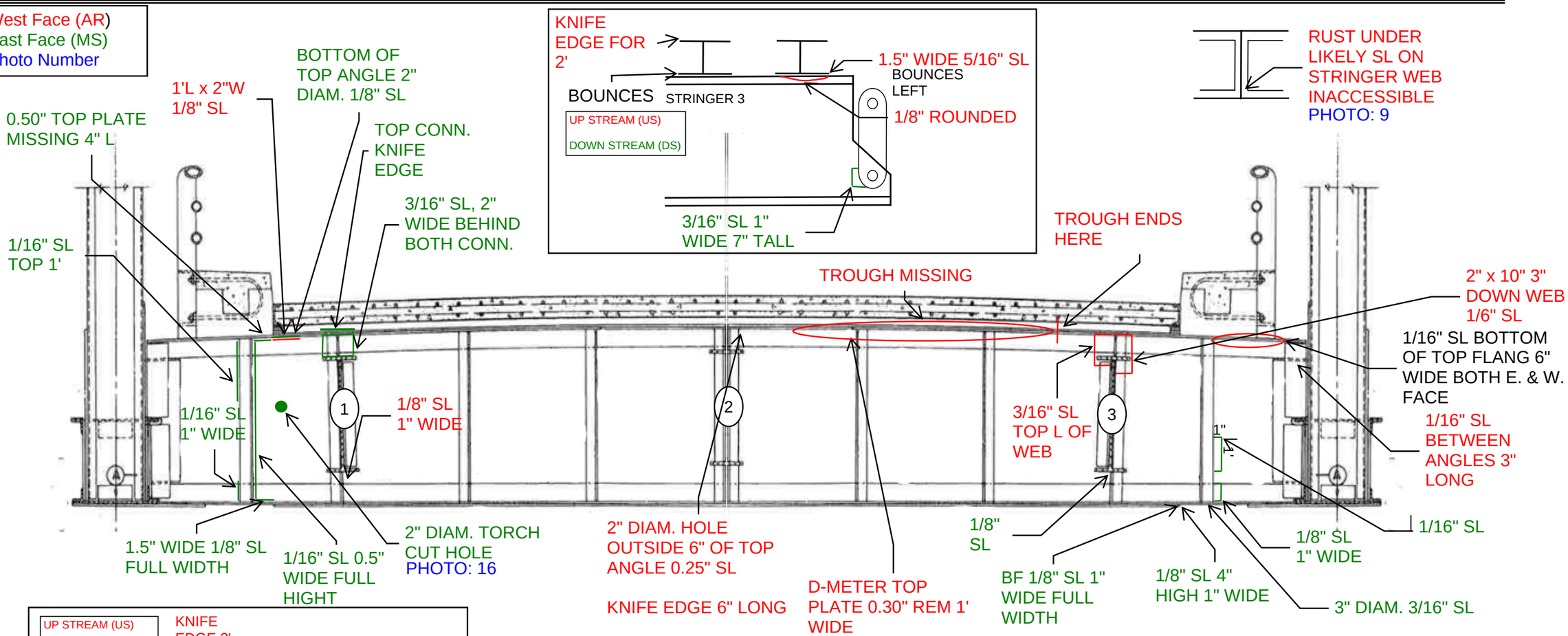
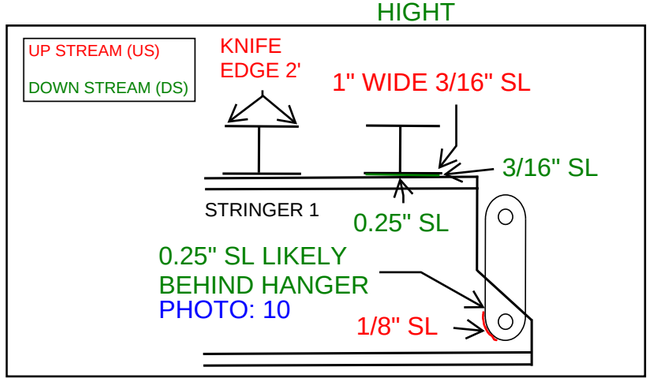
West Face (AR)
East Face (MS)
Photo Number





Panel Point
FB 68
FACING EAST

Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB / TP Date: 5-5-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

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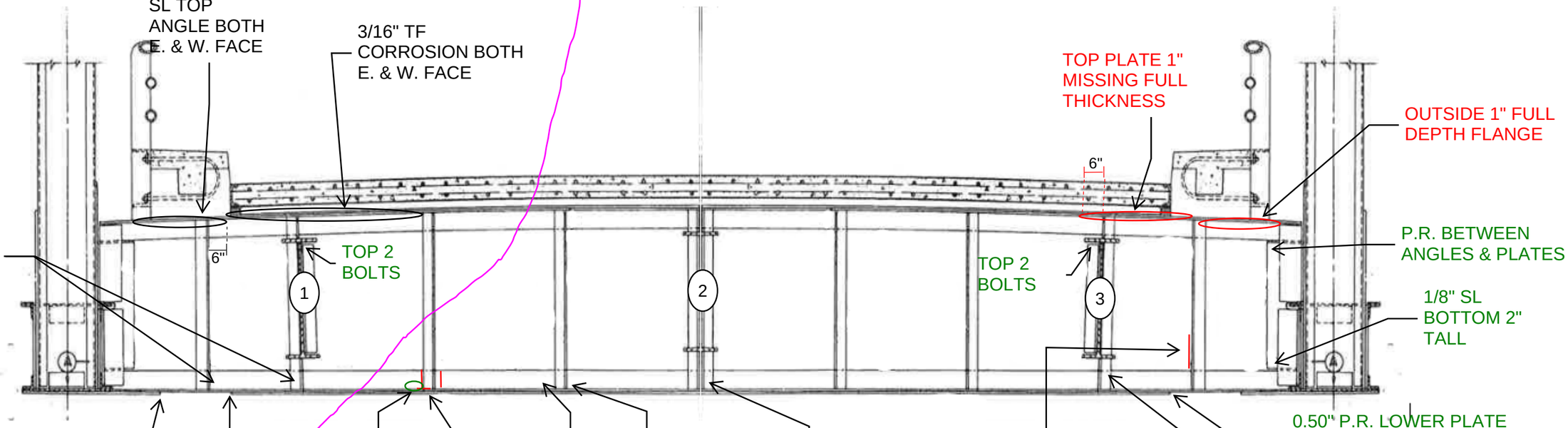
West Face (AR)
East Face (MS)
Photo Number

EB / TP 5-5-22

BCM / JSP 5-6-22



Panel Point
FB 69
FACING EAST

Notes:

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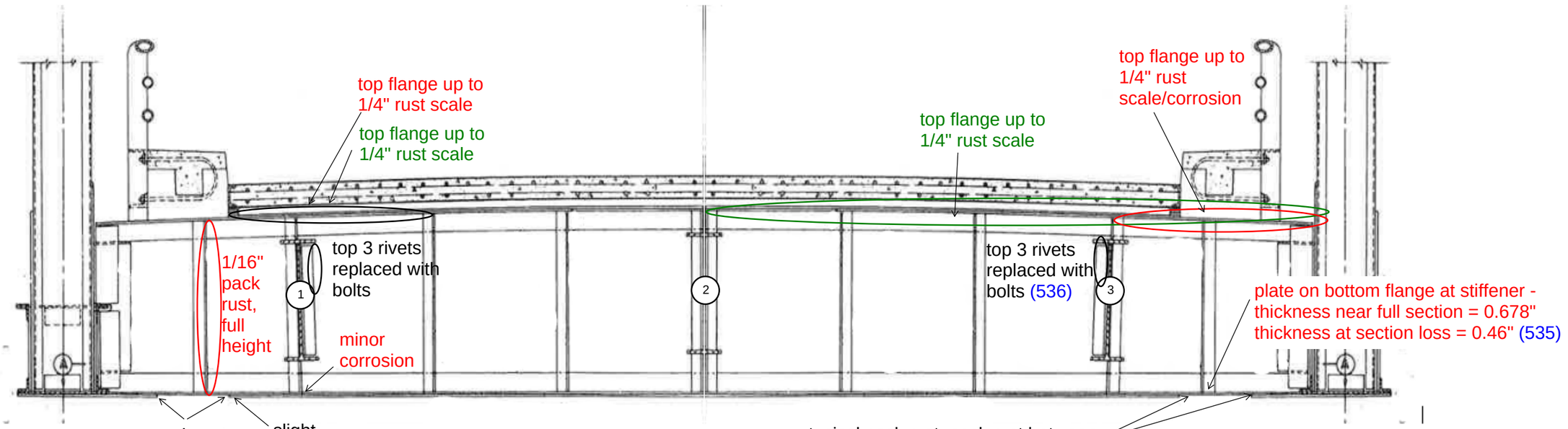
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 70
FACING EAST

Notes:

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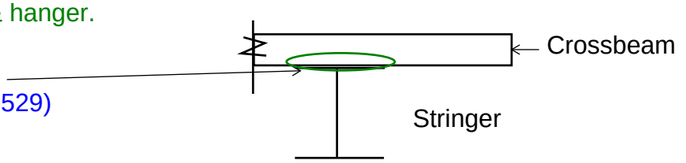
West Face (AR)
East Face (MS)
Photo Number

The East Face is the pin & hanger side of floor beam

Vertical deck movement observed under traffic loading

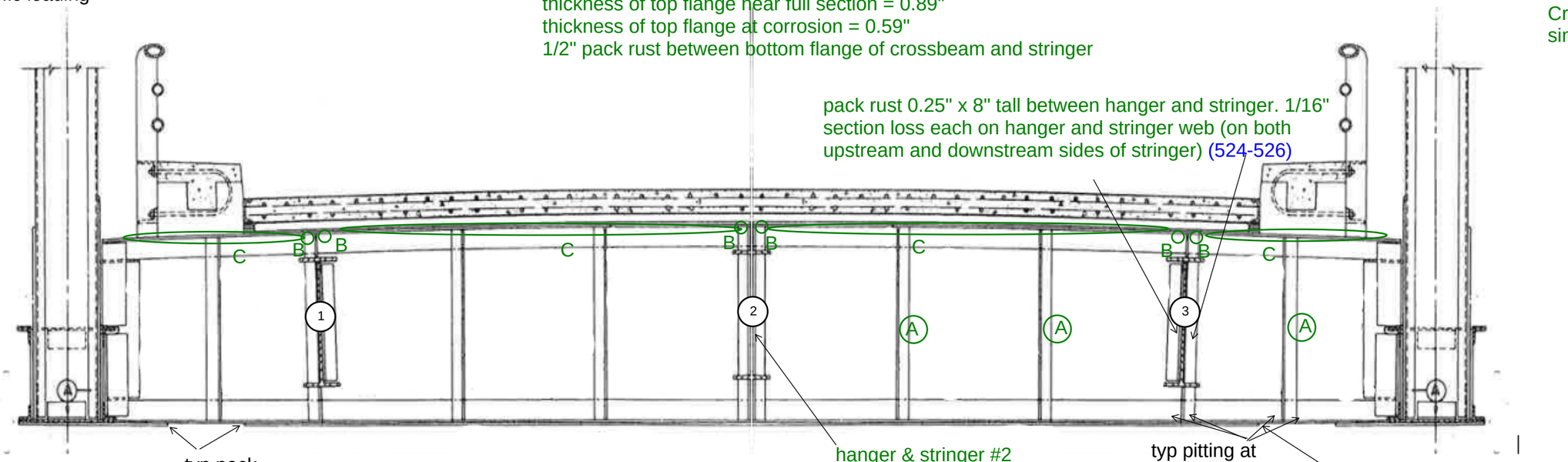
First crossbeam on east side of floor beam near pin & hanger.
thickness bottom near full section = 1.82"
thickness of bottom flange at section loss = 0.56"
1.5"x1.5" of 100% section loss in bottom flange (527-529)



Stringer #3 section loss at top flange
thickness of top flange near full section = 0.89"
thickness of top flange at corrosion = 0.59"
1/2" pack rust between bottom flange of crossbeam and stringer

Stringer #2 - all similar notes to stringer #3. Crossbeam notes similar as well.

pack rust 0.25" x 8" tall between hanger and stringer. 1/16" section loss each on hanger and stringer web (on both upstream and downstream sides of stringer) (524-526)



A. Pack rust 3' high behind angle stiffeners

B. 1/4" rust scale at connection of pin & hanger plate with floor beam web and flange

C. Top flange on East side of floor beam is corroded for full length of floor beam 1" width for most of the length, but 5" width for 2' at the edge of the deck overhang.

Panel Point
FB 71
FACING EAST

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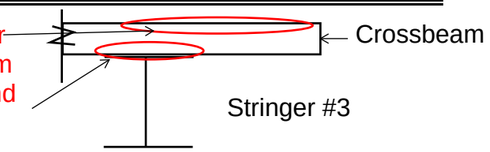
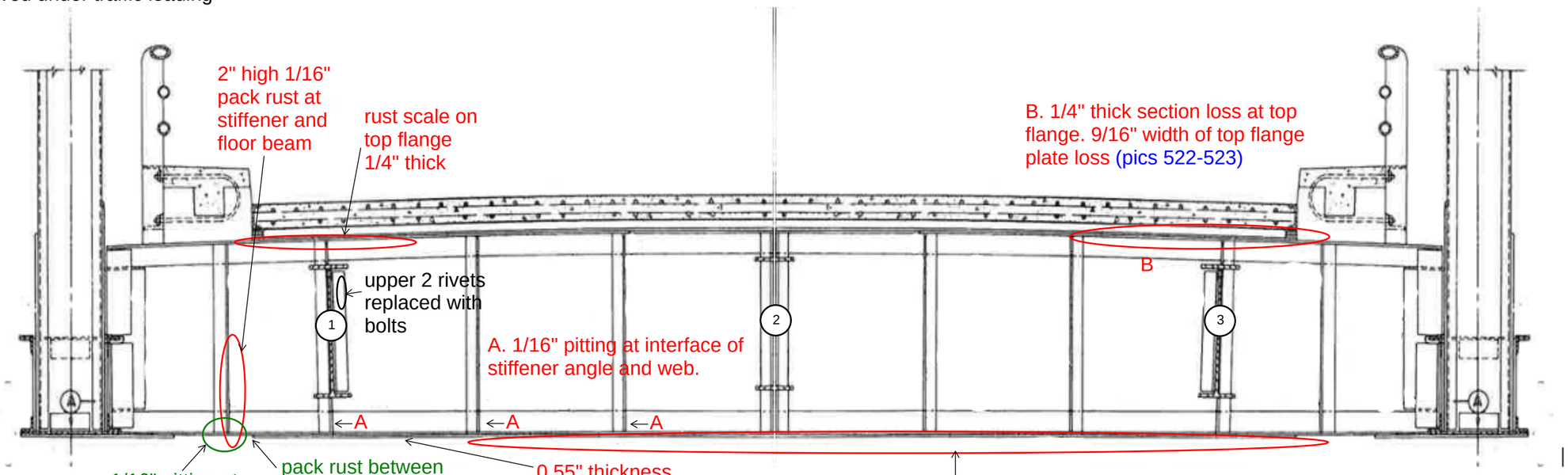
West Face (AR)
East Face (MS)
Photo Number

Vertical deck movement at top of FB observed under traffic loading

First crossbeam on west side of floor beam over stringer #3 - 1/16" gap for 5' between crossbeam and deck. 1/4" pack rust between stringer #3 and cross beam





Panel Point
FB 72
FACING EAST

Notes:

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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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Description: Bridge No. 02899

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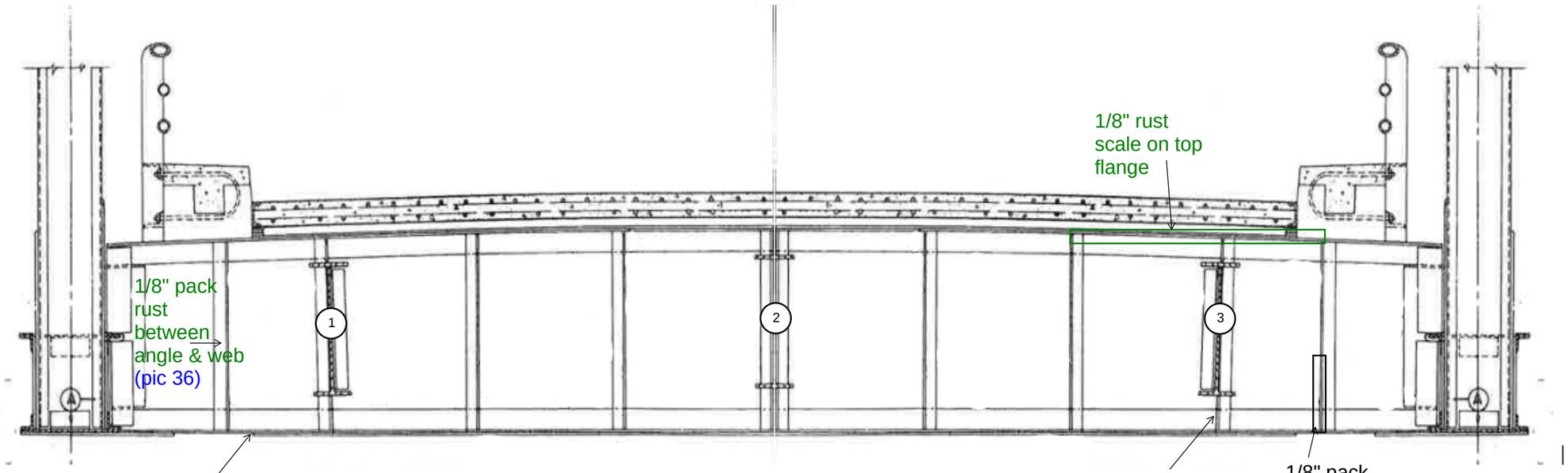
West Face (AR)
East Face (MS)
Photo Number



Panel Point
FB 73
FACING EAST

Notes:

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Sheet No. _____ of _____
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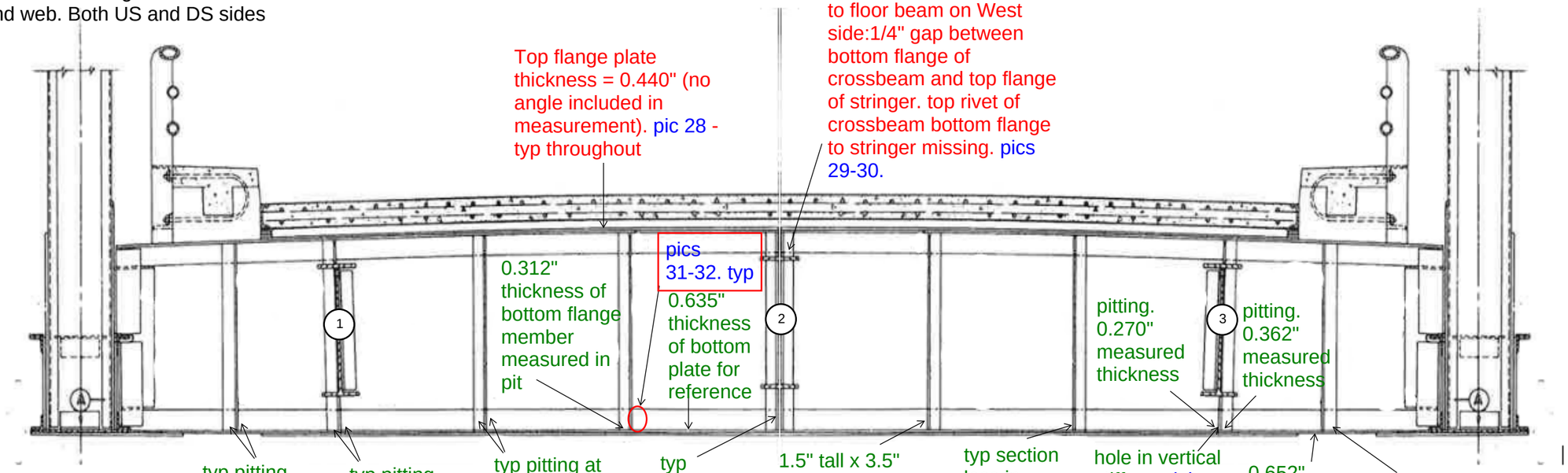
West Face (AR)
East Face (MS)
Photo Number

Typ.
- 1/8" pack rust on angle stiffeners between angle and web. Both US and DS sides



Notes:

Panel Point
FB 74
FACING EAST

APPENDIX E: FIELD NOTES - APPROACH SPANS

Michael Baker
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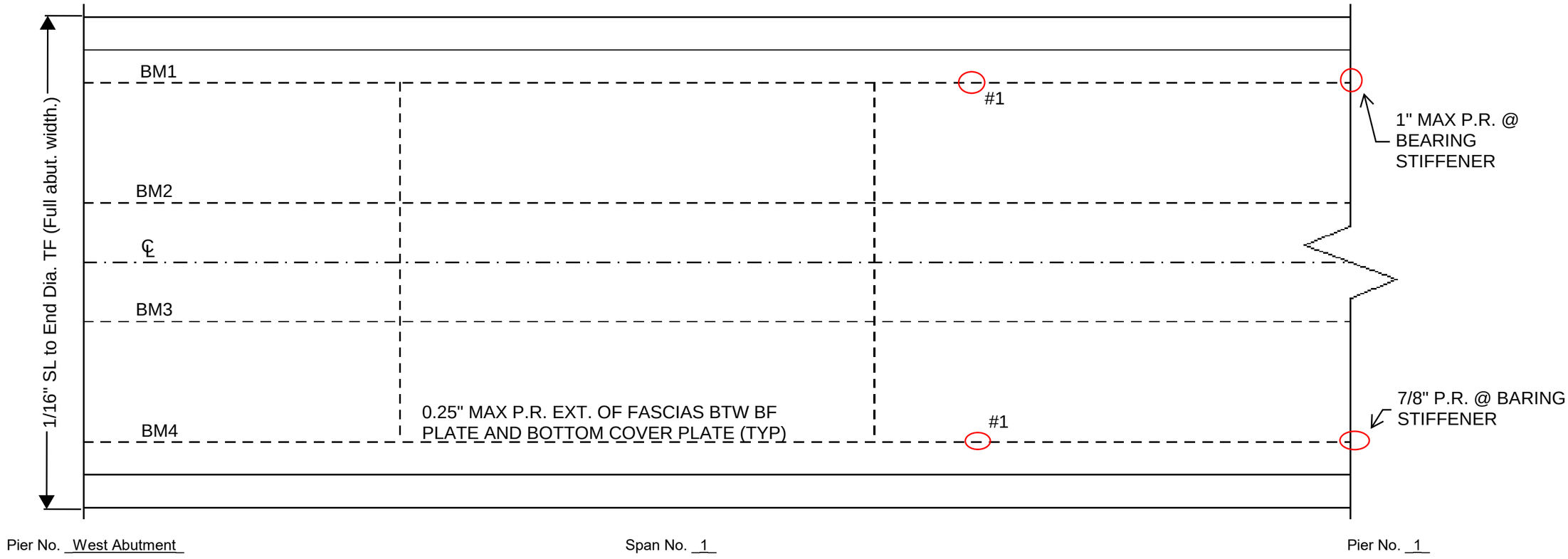
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: JPG Date: 5-7-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S1



Notes:

TYP. FRECKLED RUST THROUGHTOUT
TYP. SL BETWEEN DECK & OVERHANG BRACKETS TF
#1 1/8" MAX P.R. @ SPLICE PL ON EXTERNAL OF FASCIA

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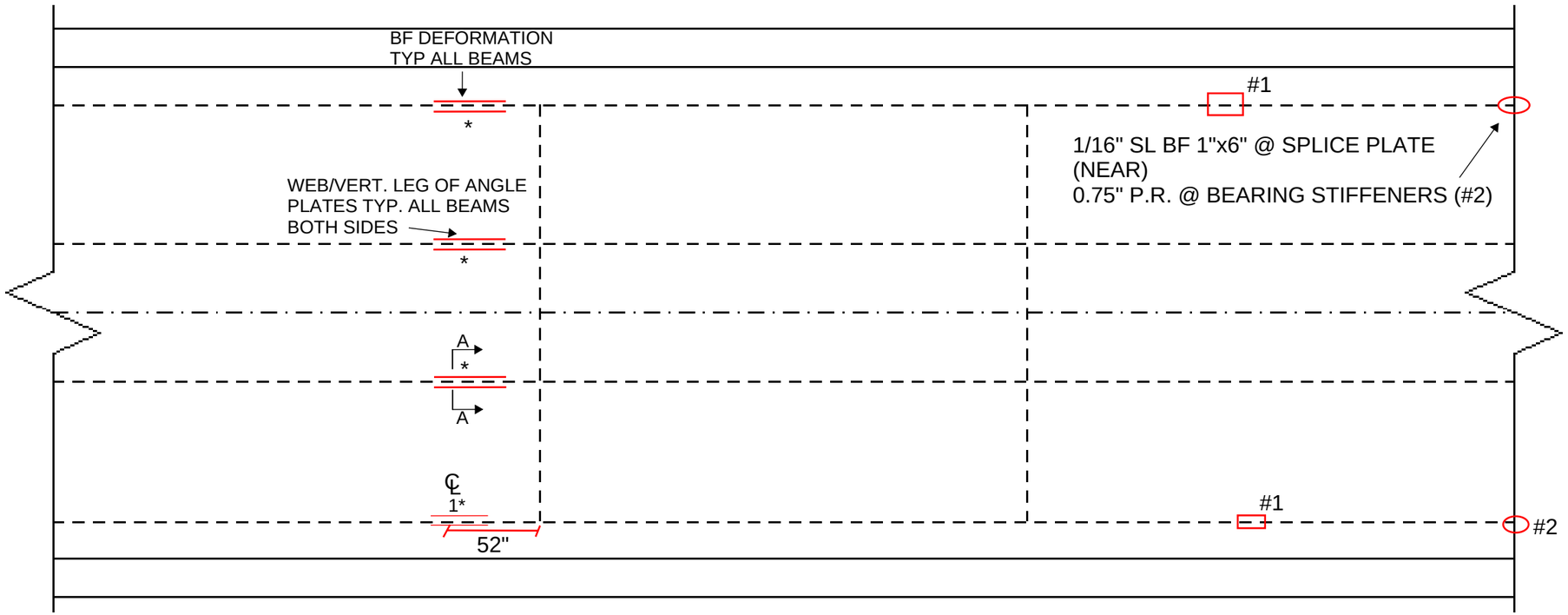
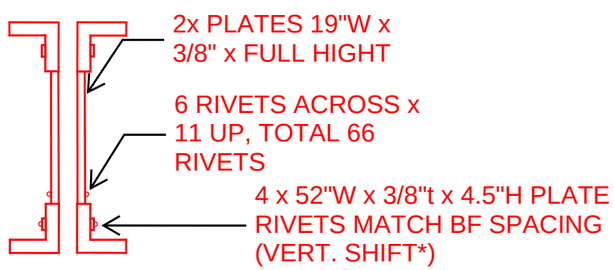
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S2





A-A

Notes:

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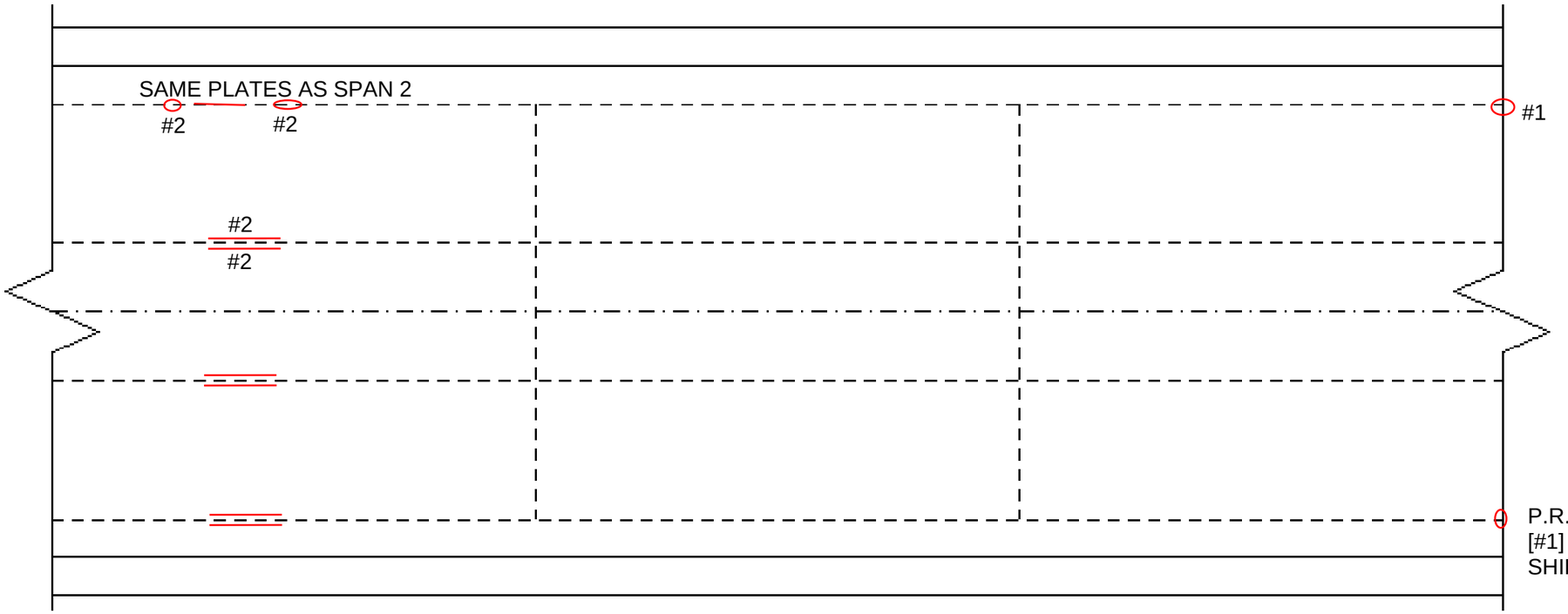
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: JPG/EB Date: 5-8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S3



Notes:

TYP. MINOR DEBRIS UNDER BEARINGS

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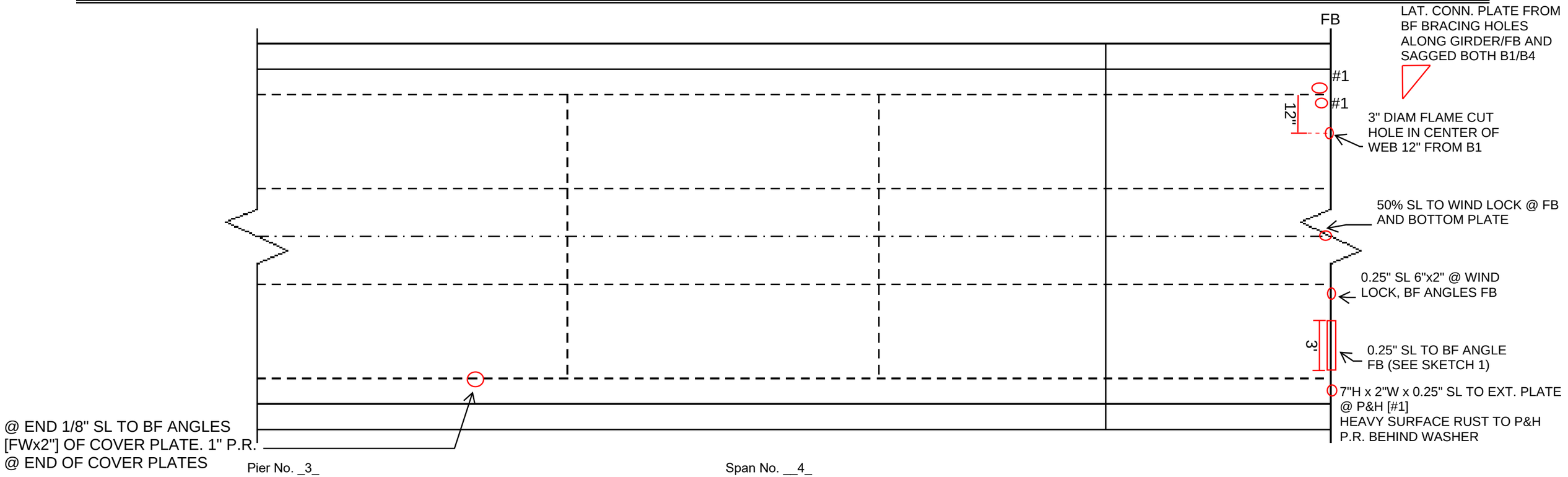
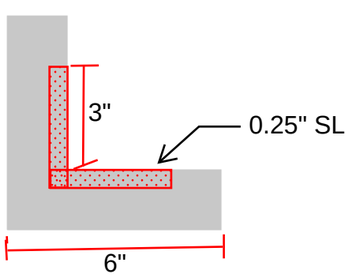
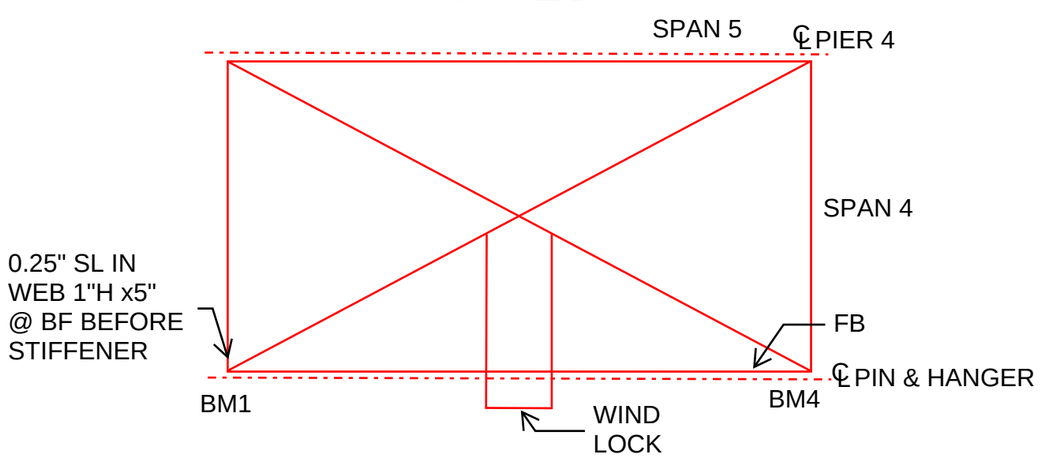
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S4



℄ P&H
FB PRESENT AT END OF MULTI BEAM



SKETCH 1



Notes:

SUPER CONFIG SWITCHES TO 2-GIRDER BEFORE P4
TYP. SURFACE CORROSION TO P&H
TYP P.R. IN EXT. OF FASCIAS COVER PLATES

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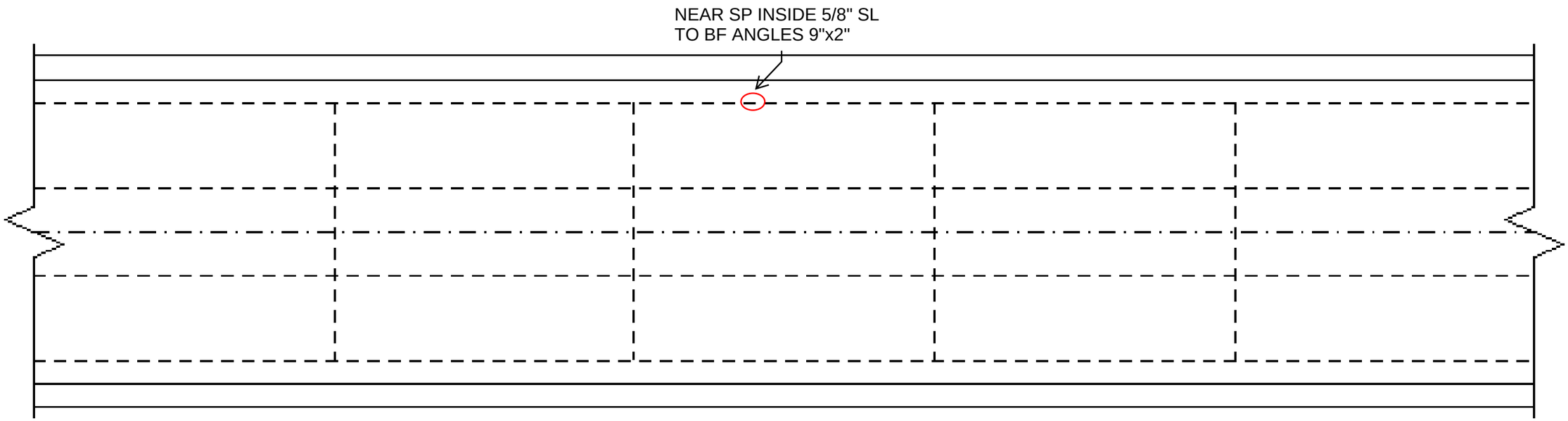
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S5



Pier No. _4_

Span No. __5_

Pier No. _5_
SOUTH COLUMN
DELAM @ CRACKING
WEST FACE= 2'x2'
SOUTH FACE= 3'x4'
NORTH-SPALL 2"Dx2'x1'

Notes:

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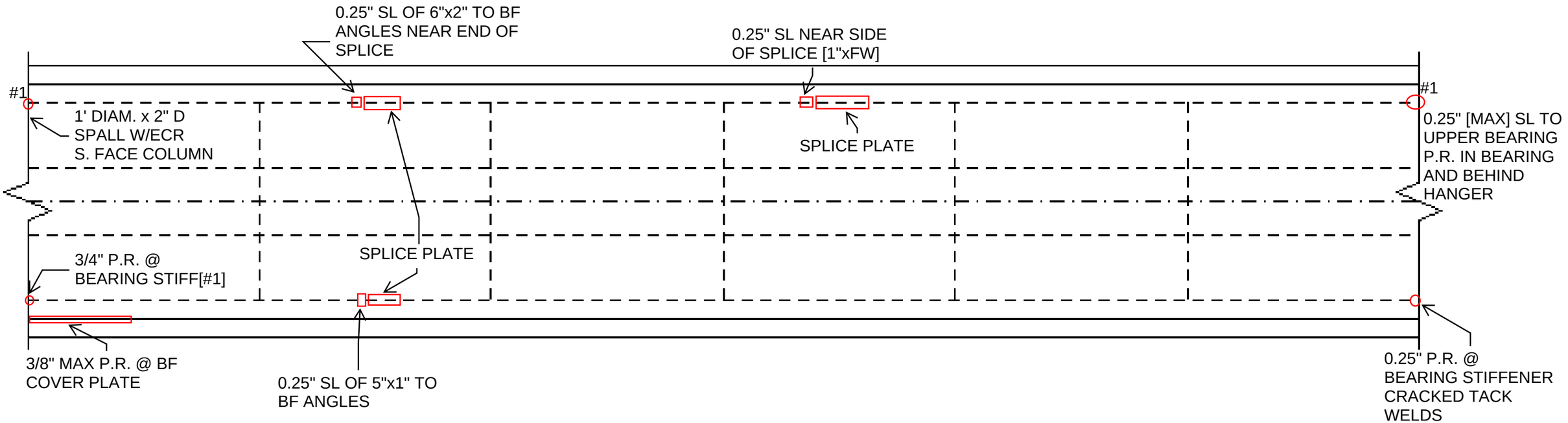
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S6



Notes:

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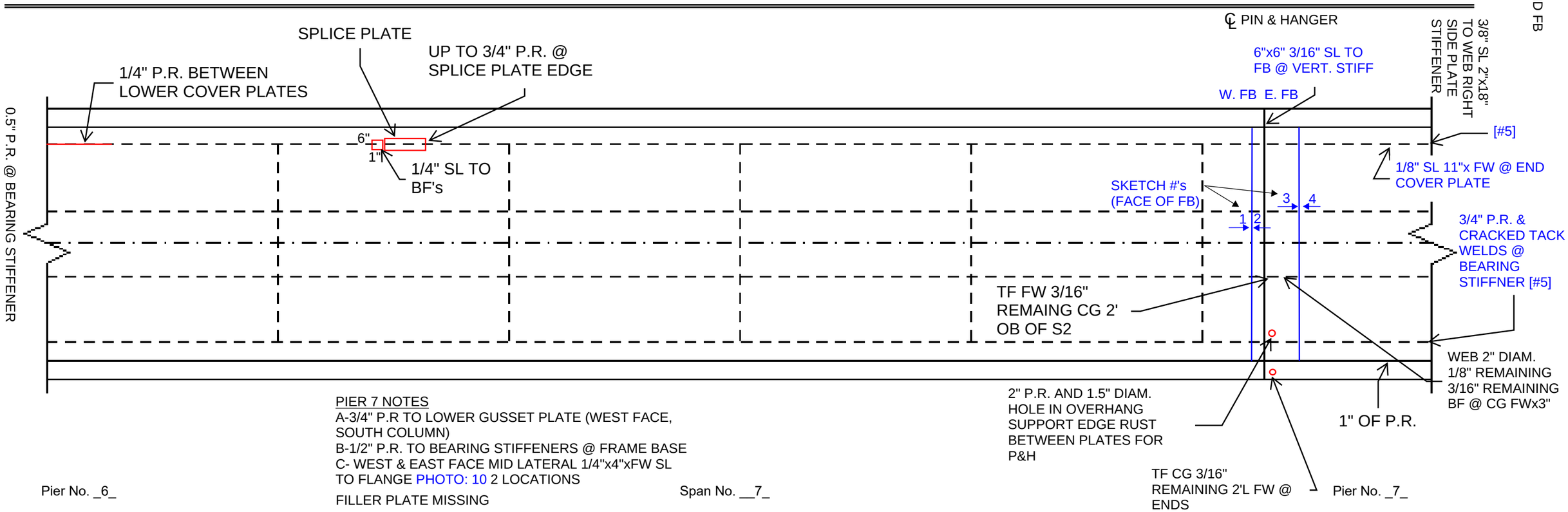
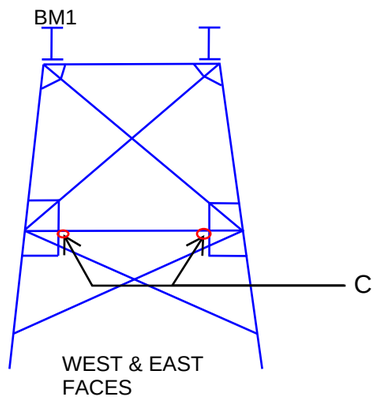
Sheet No. _____ of _____
Made by: JPG Date: 5-10-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S7



PIER 7 NOTES
A-3/4" P.R TO LOWER GUSSET PLATE (WEST FACE, SOUTH COLUMN)
B-1/2" P.R. TO BEARING STIFFENERS @ FRAME BASE
C- WEST & EAST FACE MID LATERAL 1/4"x4"xFW SL TO FLANGE PHOTO: 10 2 LOCATIONS
FILLER PLATE MISSING

Pier No. _6_ Span No. __7_



Notes:

TYP 0.5" P.R. ON EAST OF FACIAS
BF COVER PLATE
3/16" SL TO BOTTOM OF WEB AND BF OF DIA'S @ PIN & HANGER
APROX. 25% SL TO WIND LOCK ASSEMBLE BELOW JT

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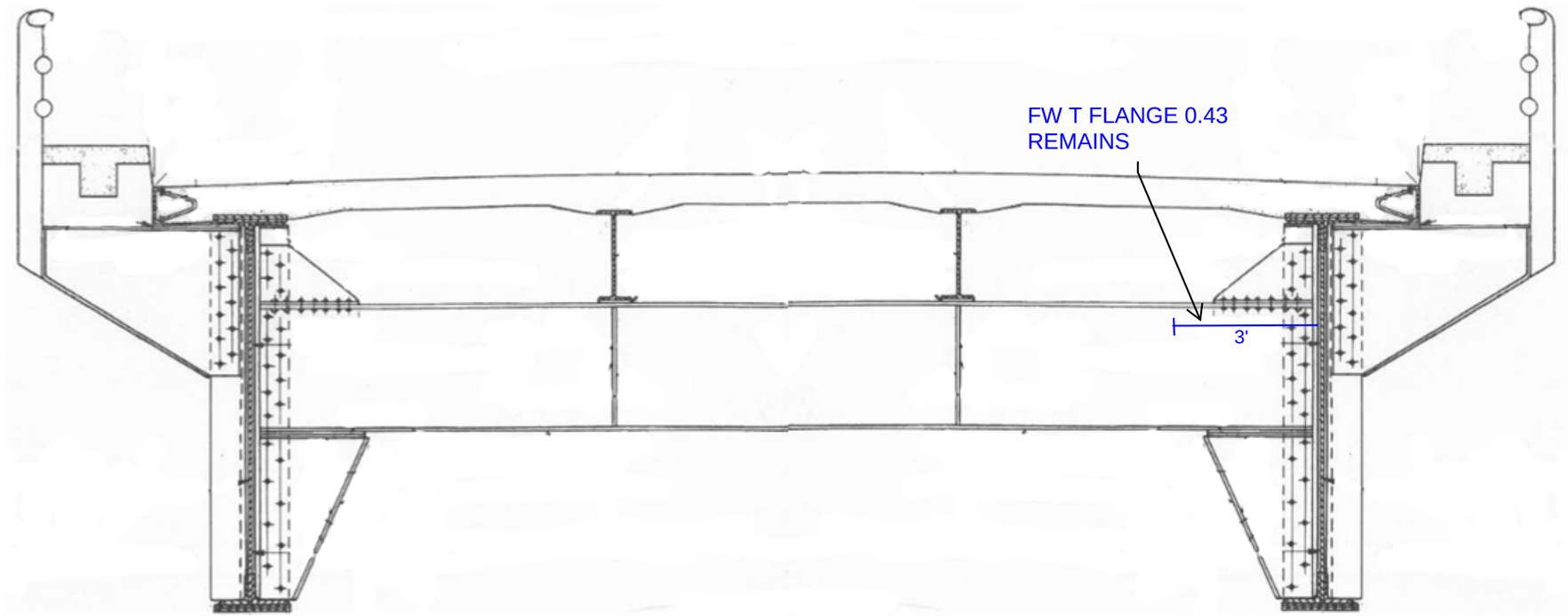
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2



US DS

BM1 BM2

Notes:

Panel Point

1 SP7@ P&H
LOOKING AHEAD
(TOWARD MISS)(W. FACE/ OUTSIDE)

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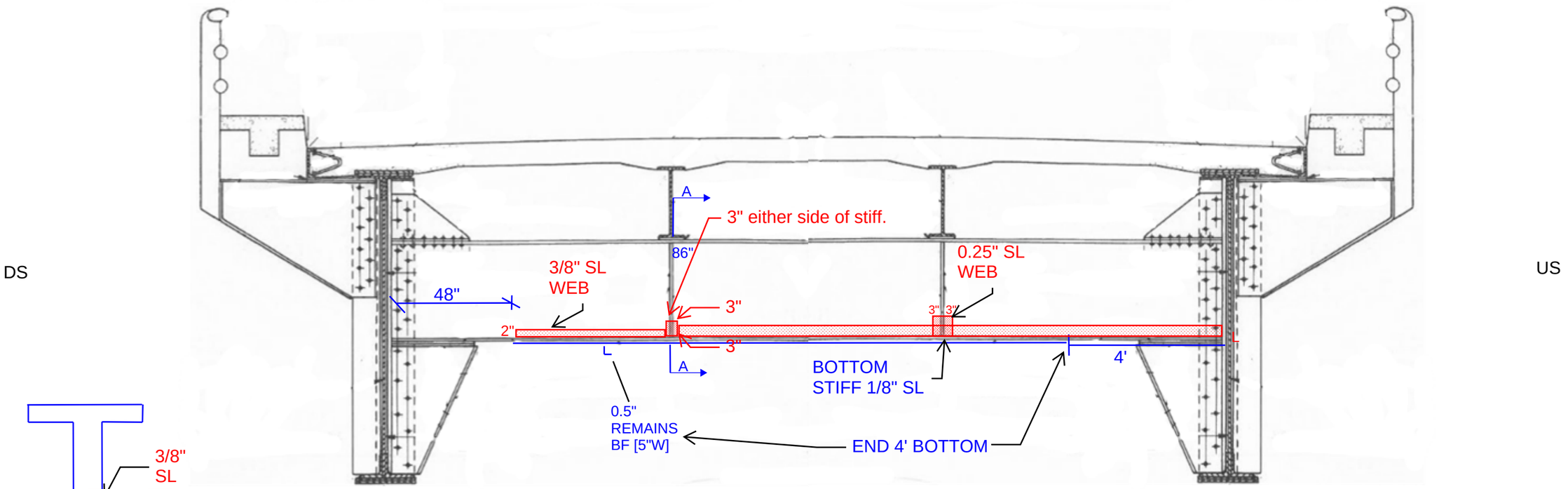
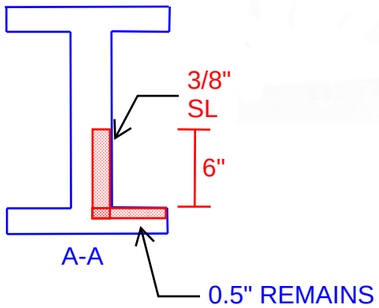
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2





Panel Point

2 SP7@ P&H
LOOKING BACK
(E. FACE/ INSIDE)

Notes:

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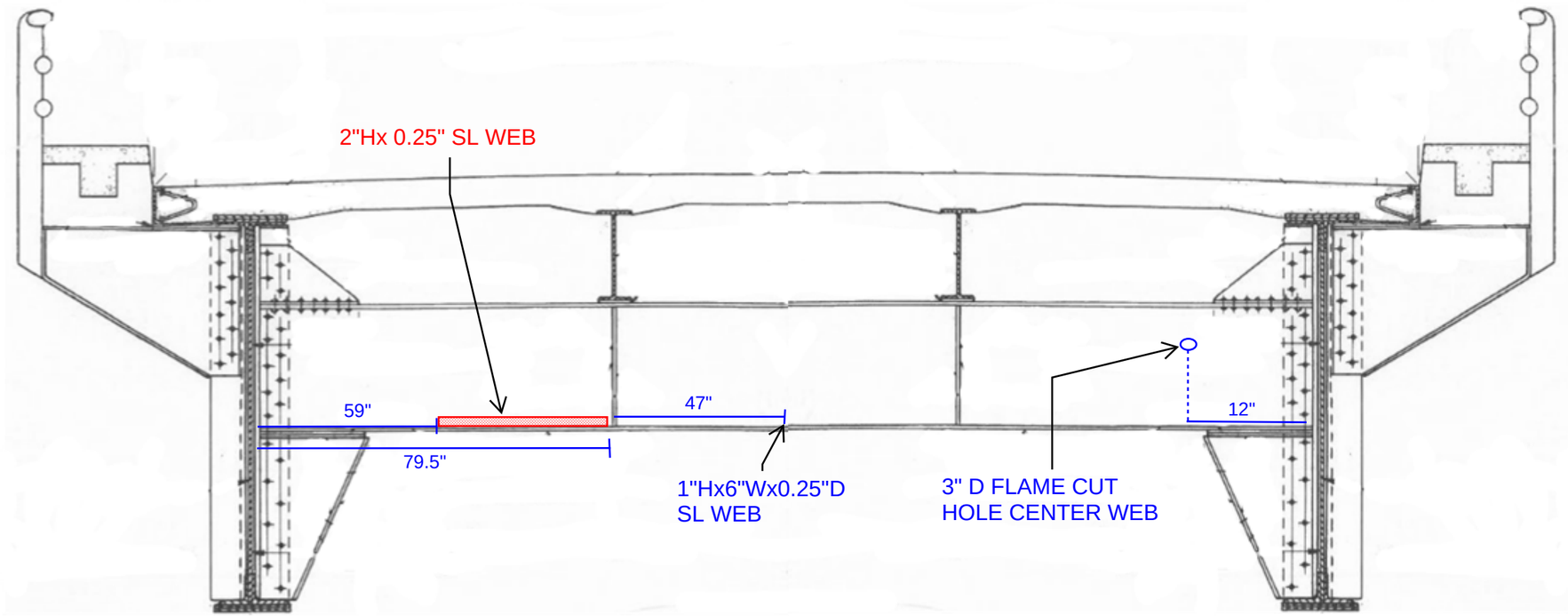
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2



US

DS

BM1

BM2

Panel Point

3

SP7@ P&H
LOOKING AHEAD
FAR FB (W. FACE/ INSIDE)

Notes:

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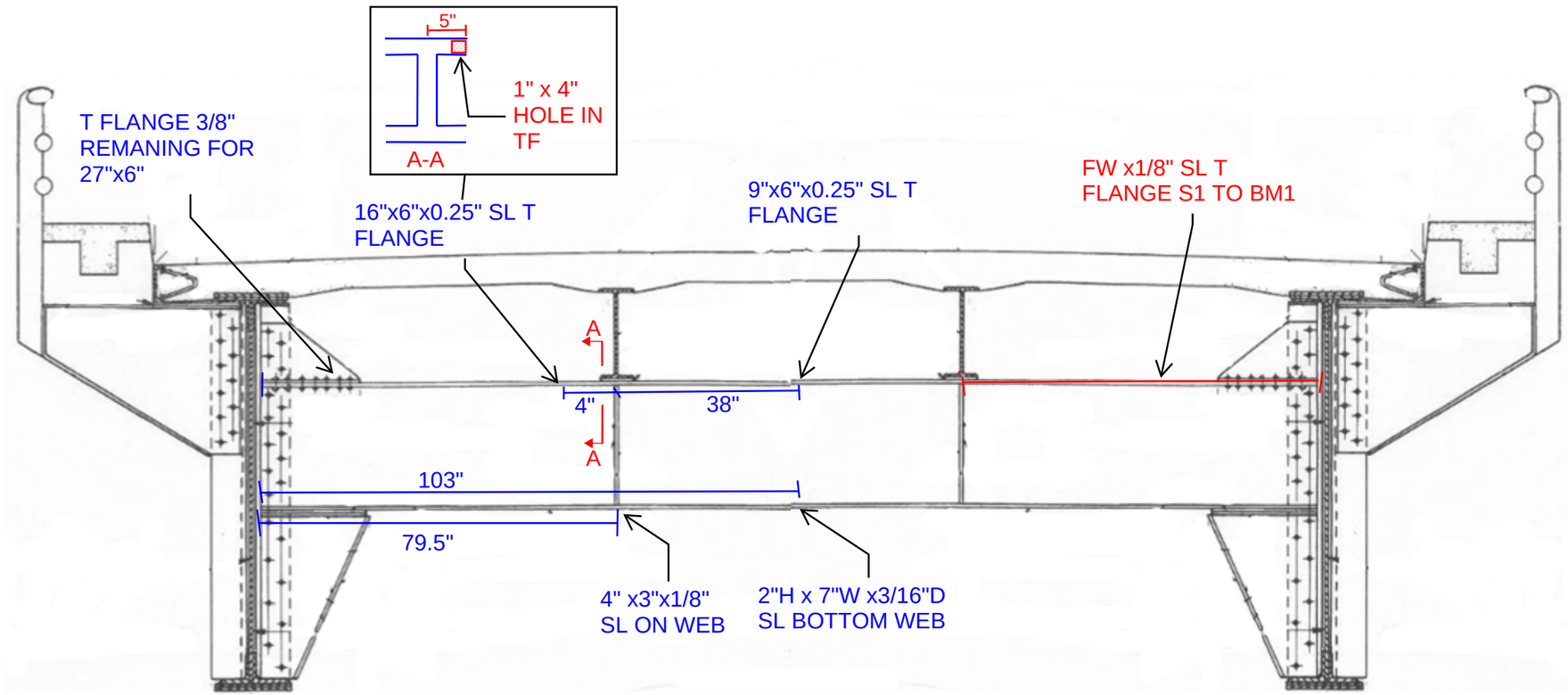
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2



DS

US

BM2

BM1

Panel Point

4 SP7@ P&H
LOOKING BACK
FAR FB (E. FACE/ OUTSIDE)

Notes:

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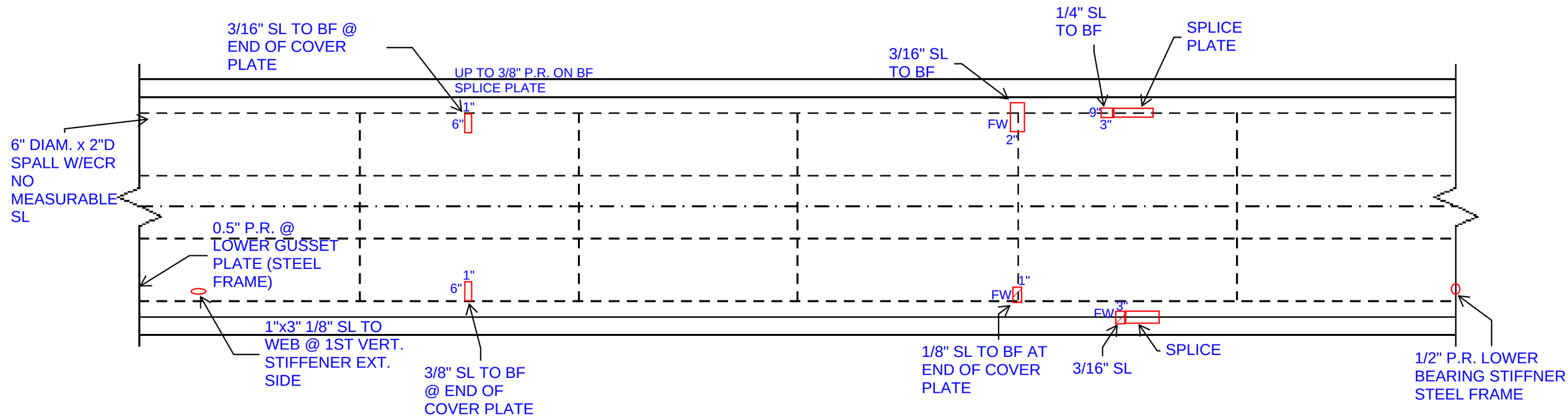
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S8



PIER
1/4" SL TO FLANGE OF MID LATERAL [FWx4"] FILLER PLATE CORRODED
NORTH/SOUTH SIDES (EAST/WEST FACES)

Notes:

TYP.- P.R. ON EXT. SIDE OF GIRDERS COVER PLATES
TYP.- P.R. TO 1/2" P.R. AT GUSSET ON FRAME
TYP.- 3/4" MAX P.R. TO BEARING STIFFNER (SUPER) W/ CRACKED TACK WELDS
[TYP.- SURFACE CORROSION TO TF OVERHANG SUPPORTS WITH FLAME CUT HOLES ON TOP OF WEB @ MID SPAN SUPPORT]

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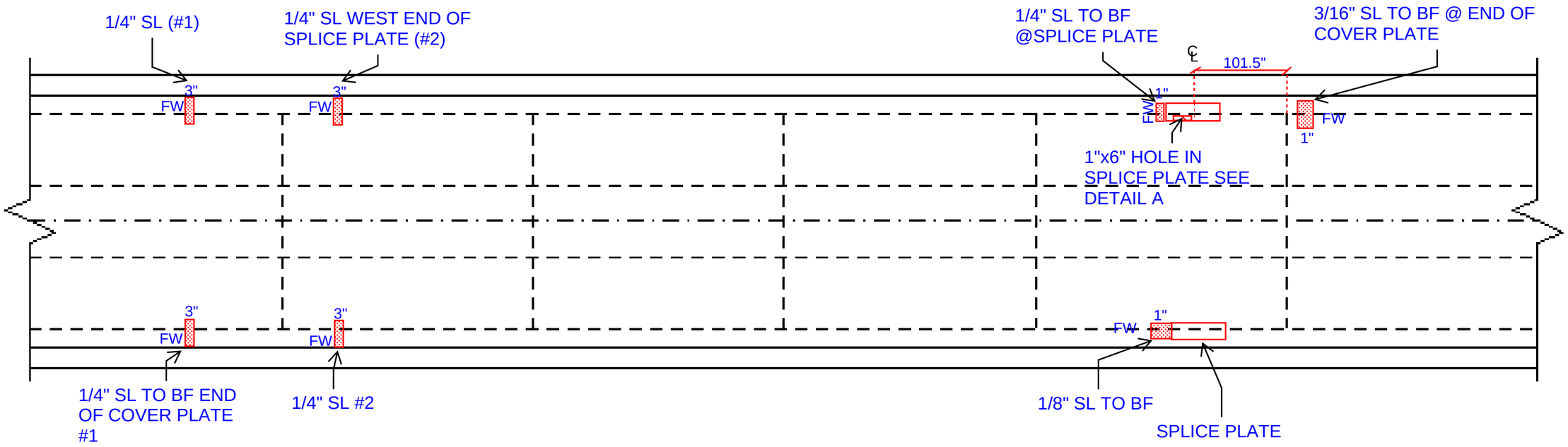
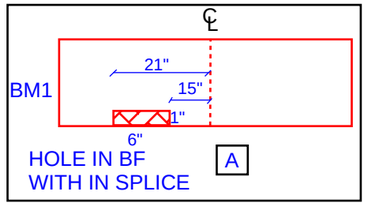
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S9



Pier No. _8_ Span No. _9_ Pier No. _9_



Notes:

TYP.- P.R. TO BF COVER PLATE
TYP.- P.R & CRACKED TACK WELD @ BEARING STIFFNER

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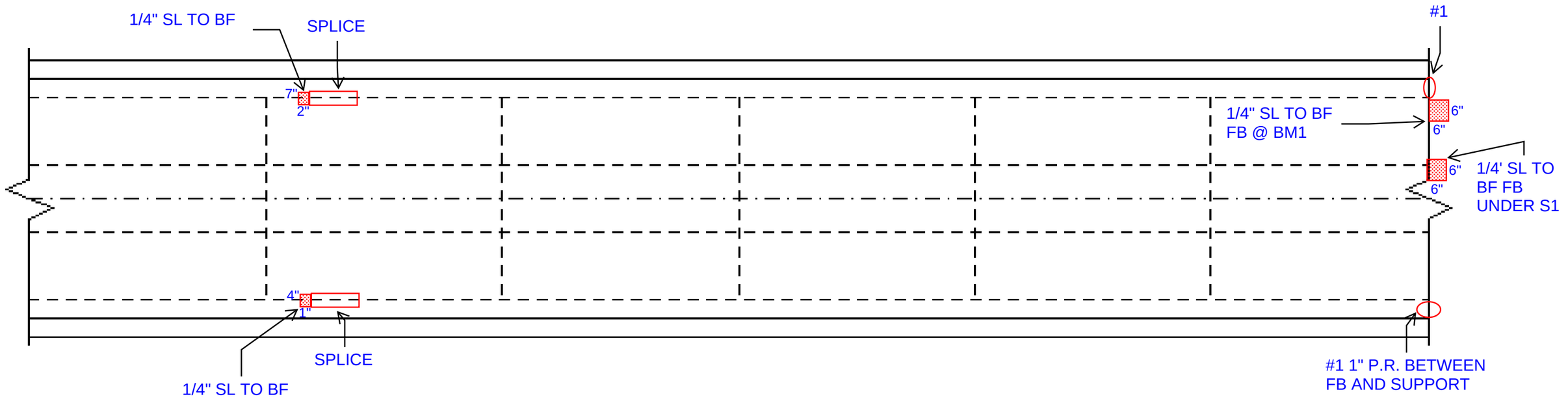
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S10



Pier No. _9_ Span No. _10_ Pier No. _10_

Notes:

TYP. P.R. ON EXT. OF FASCIA'S BF COVER PLATE
TYP. P.R. & CRACKED TACK WELDS @ BEARING STIFFENERS

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UP STREAM (US)

DOWN STREAM (DS)

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
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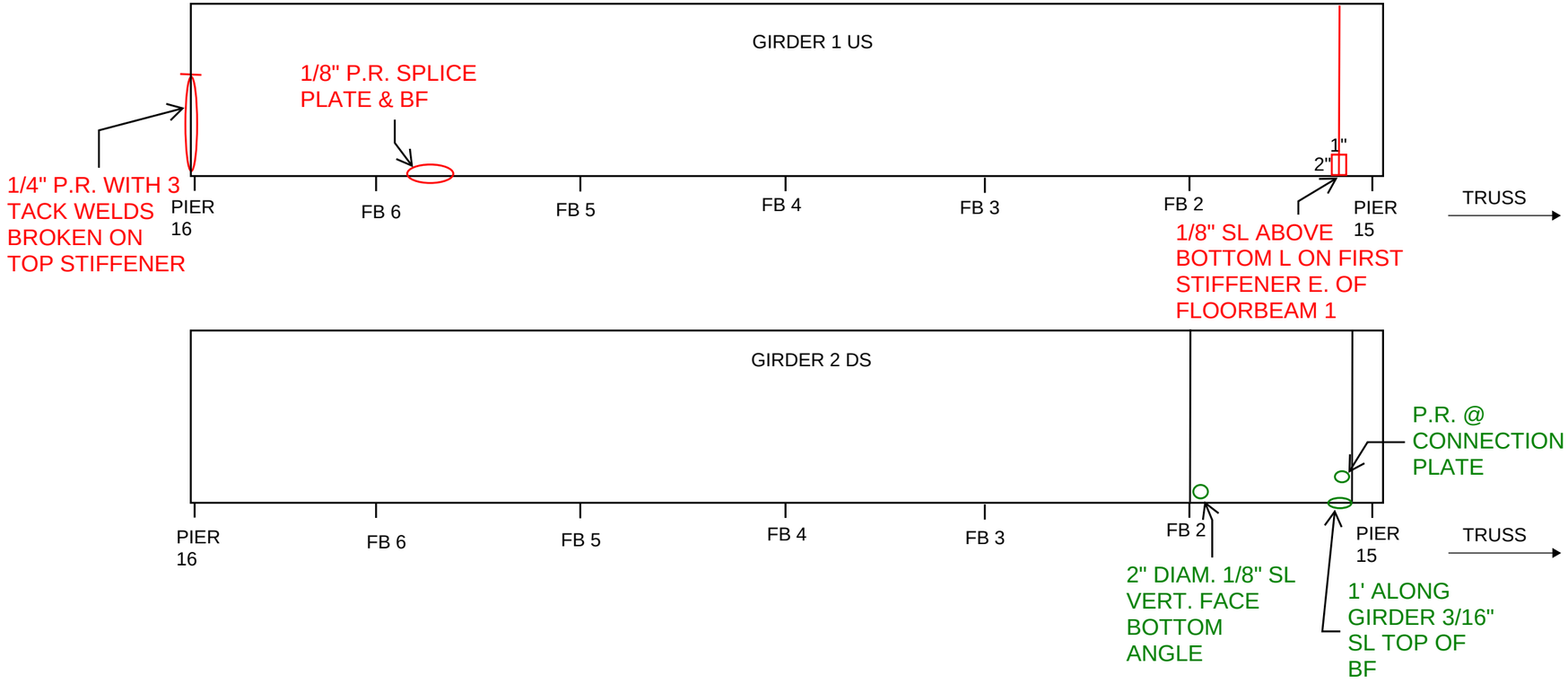
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2



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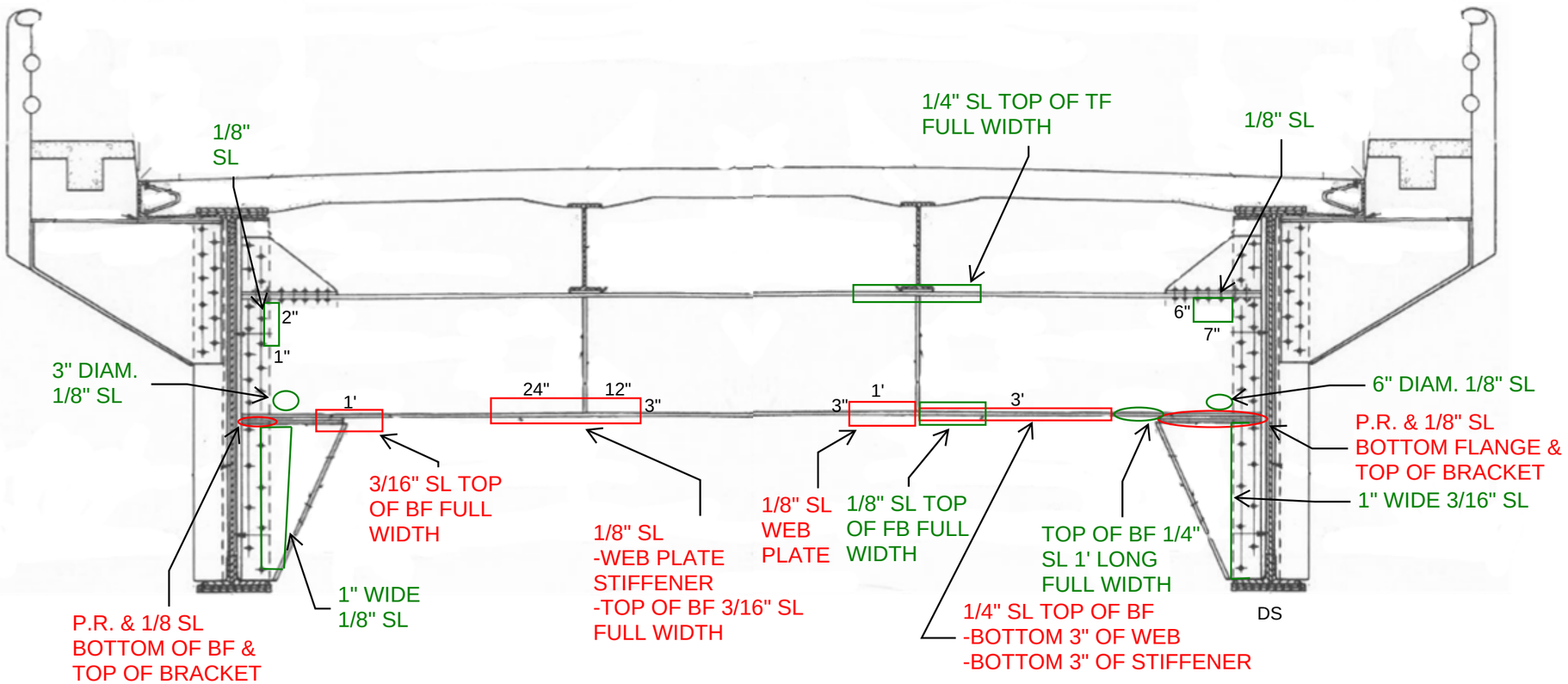
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2

West Face (AR)
East Face (MS)
Photo Number

E. APPROCH SPAN 16



Panel Point

FB 1

PIER 15

Notes:

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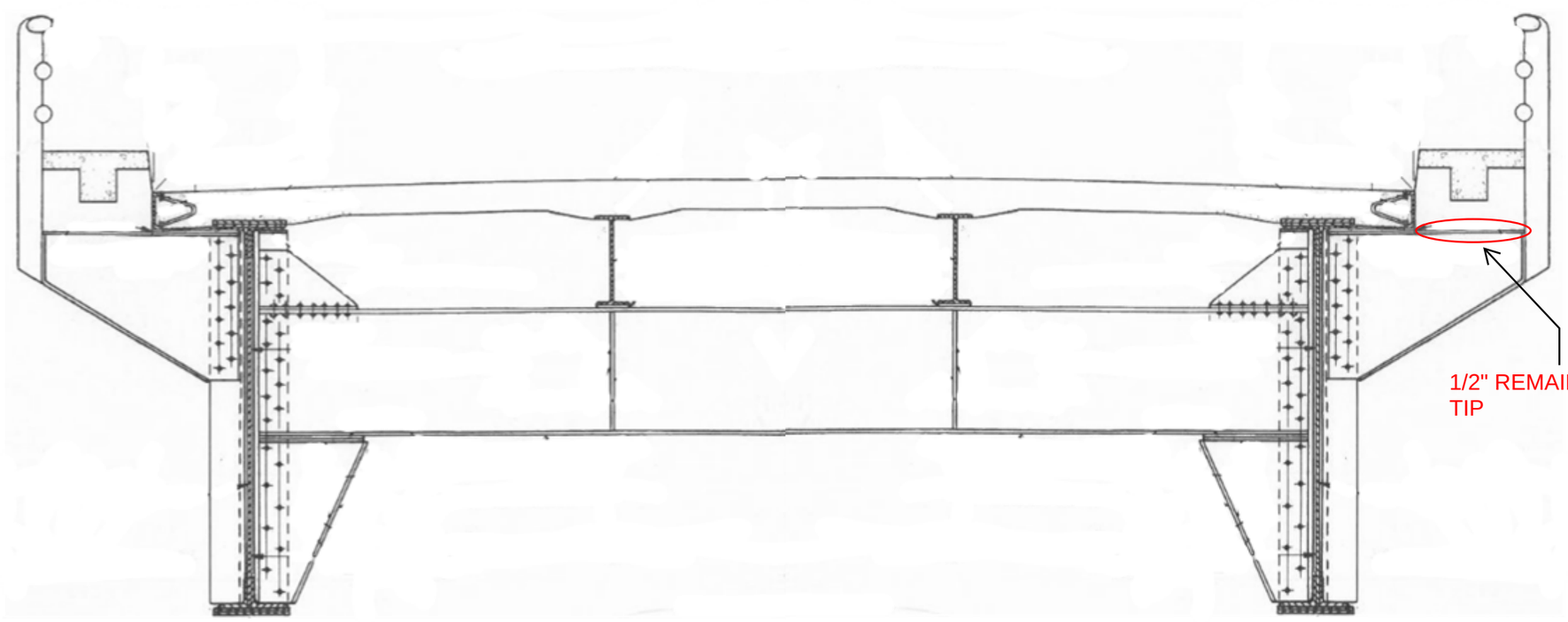
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2

West Face (AR)
East Face (MS)
Photo Number

E. APPROCH SPAN 16



US DS

Panel Point
FB 4

Notes:

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Sheet No. _____ of _____
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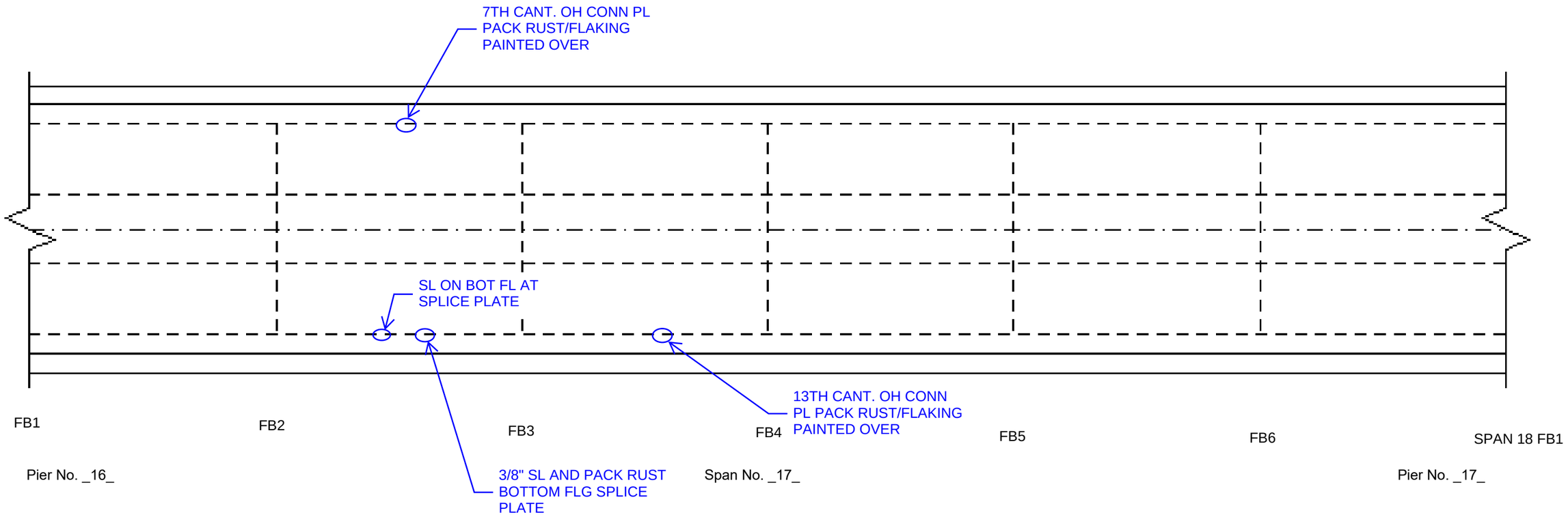
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S17



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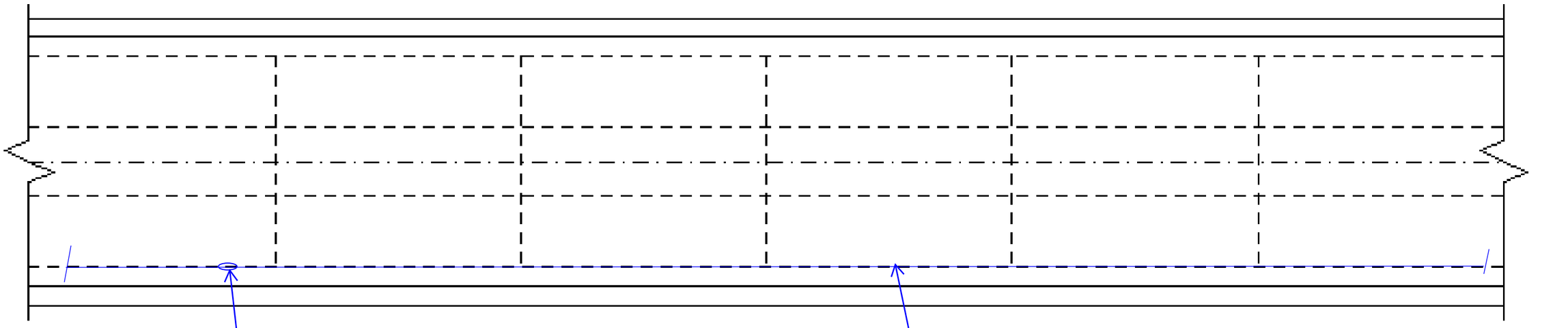
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S18



Pier No. _17_ Span No. _18_ Pier No. _18_

Notes:

_____

_____

_____

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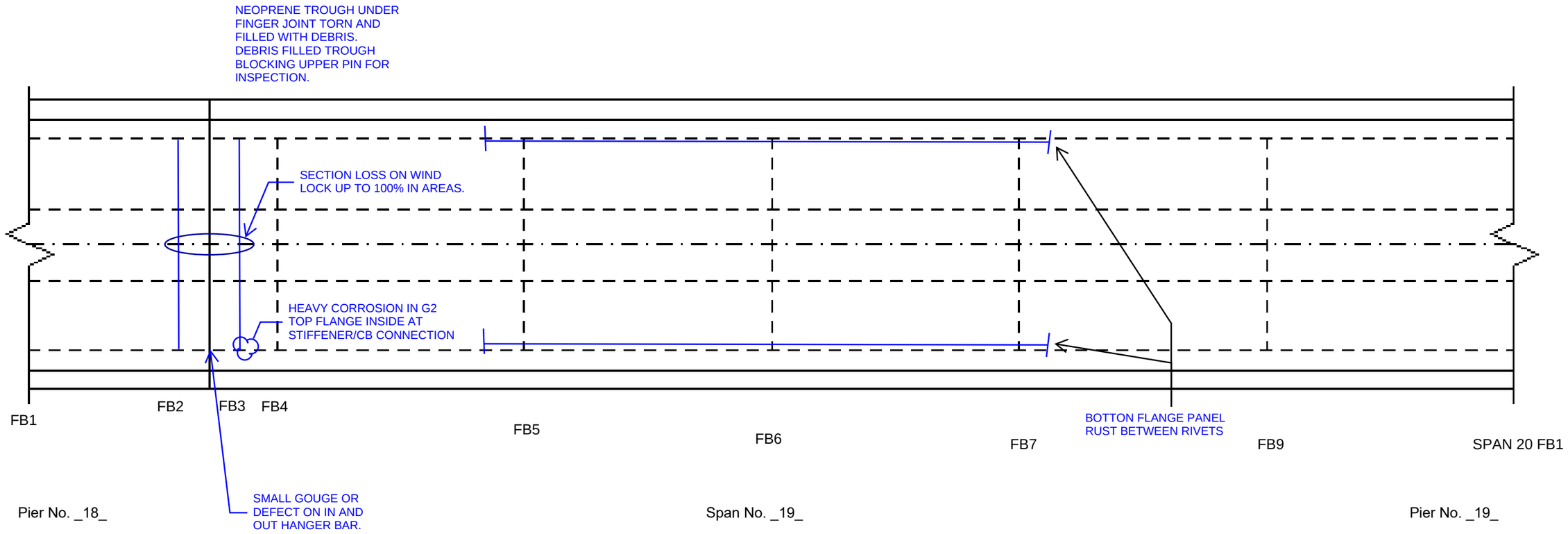
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S19



Notes:

VEGITATION ON PIER 18 NOTED. REMOVED DURING INSPECTION.

VEGITATION ON PIER 19 NOTED. REMOVED DURING INSPECTION.

Michael Baker
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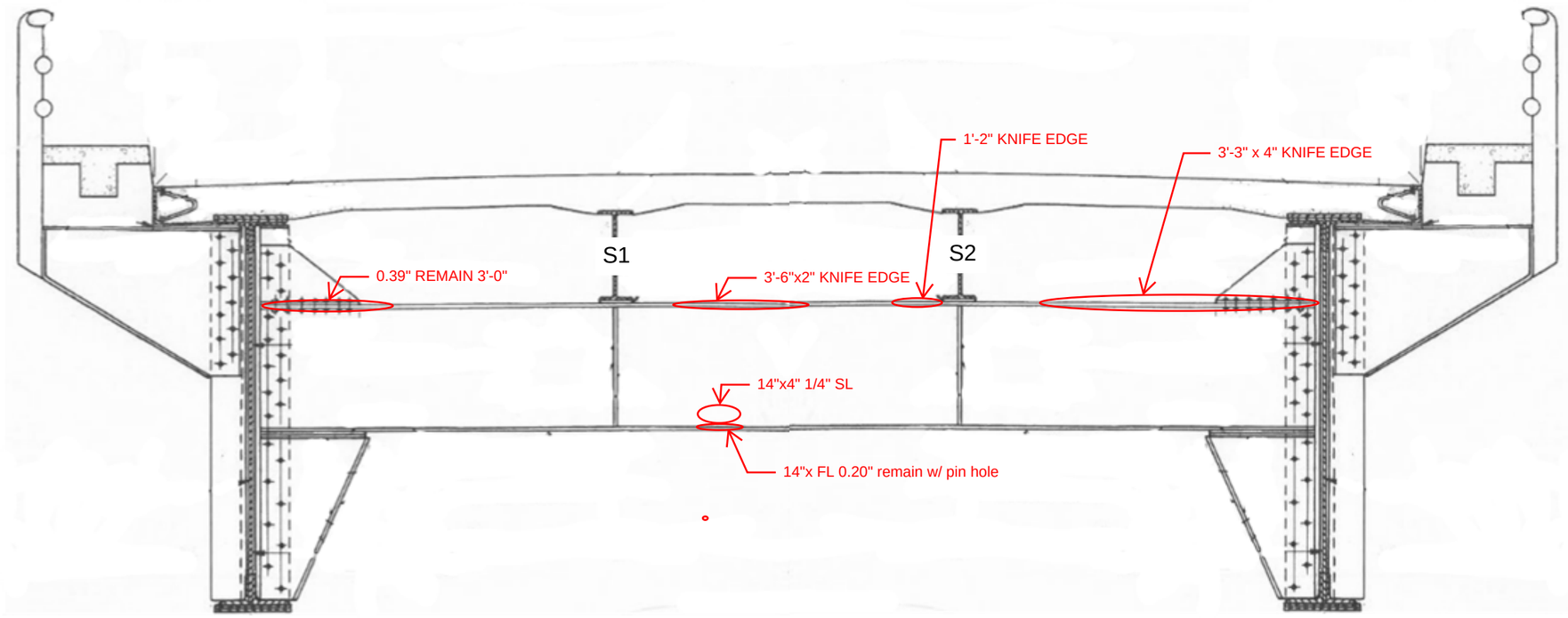
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2

West Face (AR)
East Face (MS)
Photo Number



G1 G2

Panel Point
FB 2
LOOKING FORWARD
E. APPROCH SPAN 19

Notes:

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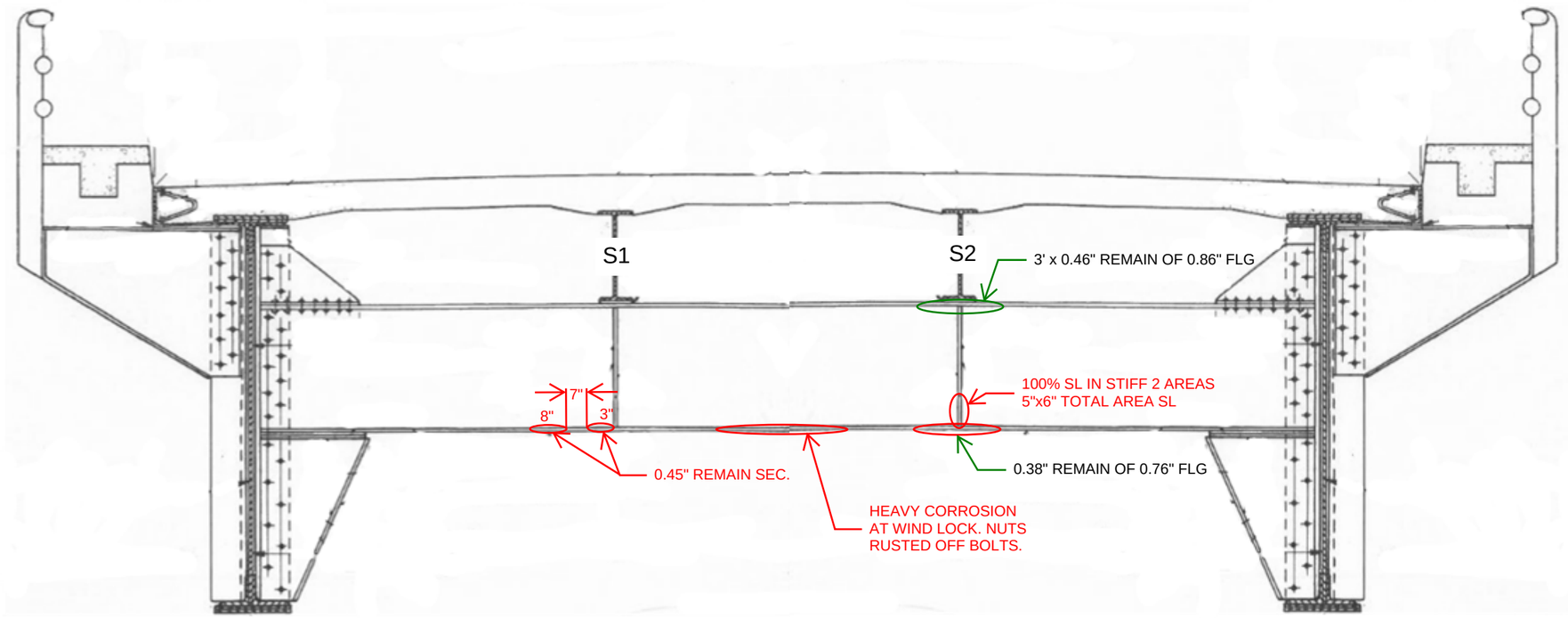
West Face (AR)
East Face (MS)
Photo Number



G1 G2

Panel Point
FB 3
LOOKING FORWARD
E. APPROCH SPAN 19

Notes:

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INTERNATIONAL
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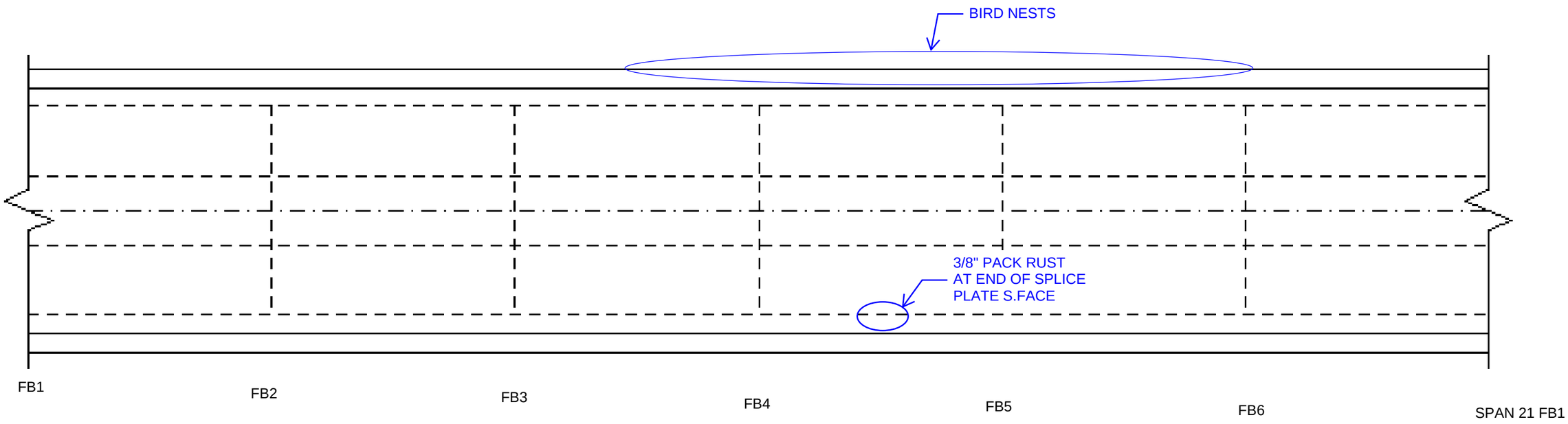
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: JAF/MKL Date: 5-8/9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S20



Pier No. _19_ Span No. _20_ Pier No. _20_

Notes:

VEGITATION ON PIER 19
NOTED. REMOVED
DURING INSPECTION.

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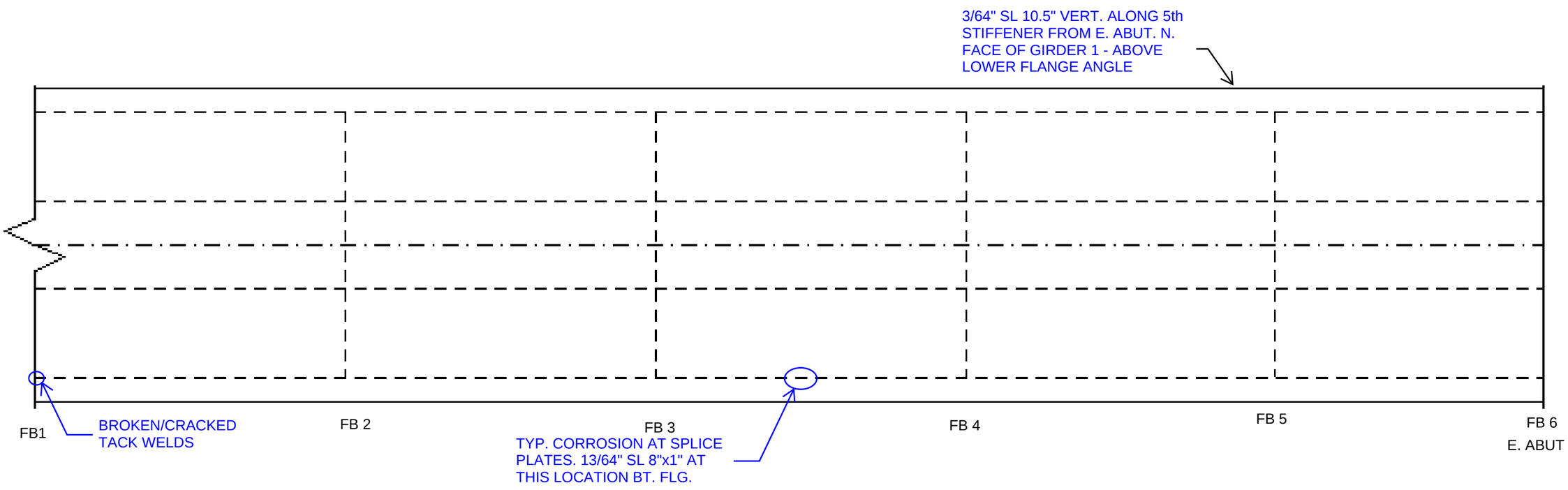
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: JAF/MKL Date: 5-7/8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Plan View- S21



Pier No. _20_

Span No. _21_

E. ABUTMENT

E. ABUTMENT BEARINGS HAVE MINOR RUST AND MINOR FLAKING

CANTILEVER OVERHANG SUPPORRTS HAVE TYP. CORRSION AND MINOR FLAKING ON TOP FLANGES

TOP FLANGES OF STEEL GIRDERS HAVE MINOR CORROSION, NO SL.
ALL FLOOR BEAMS HAVE MINOR SURFACE RUST EXCEPT FLOOR BEAM @ E. ABUTMENT

Notes:

FB 6 @ E. ABUTMENT HAS SL AT VARIOUS LOCATIONS - SEE PICTURES FOR MEASUREMENTS AND DETAILED LOCATIONS

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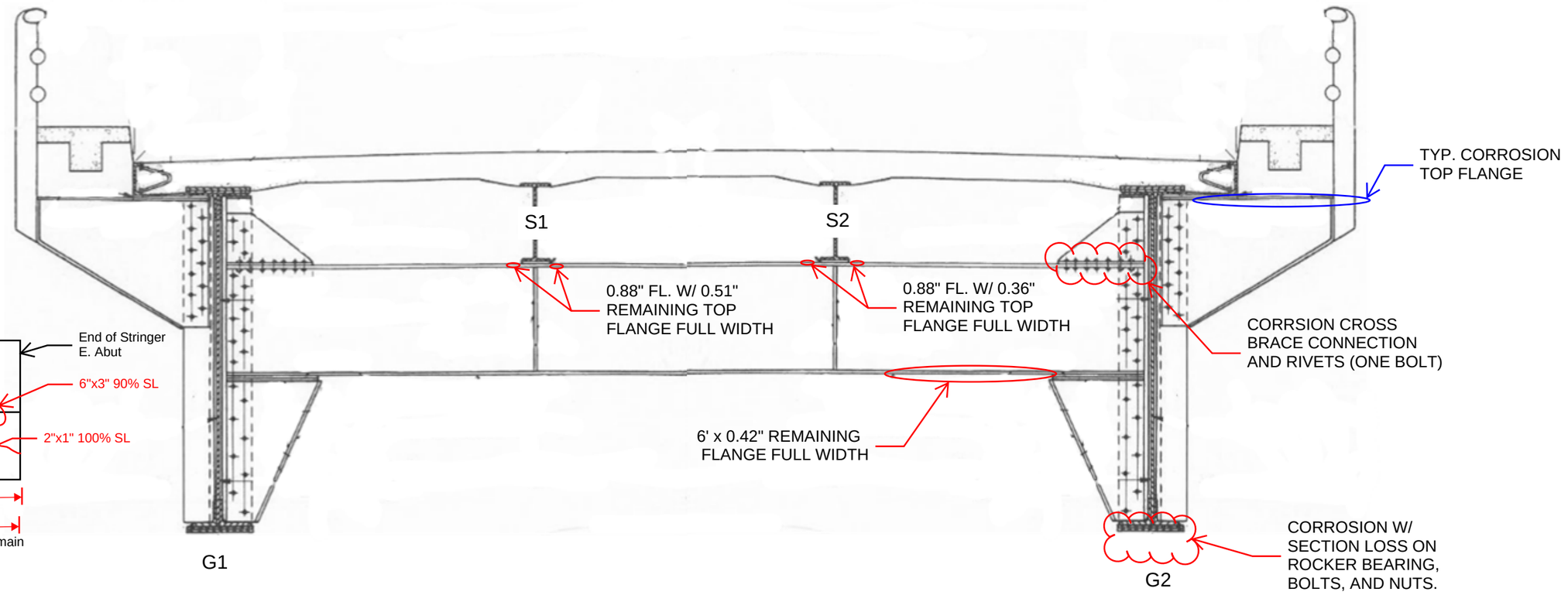
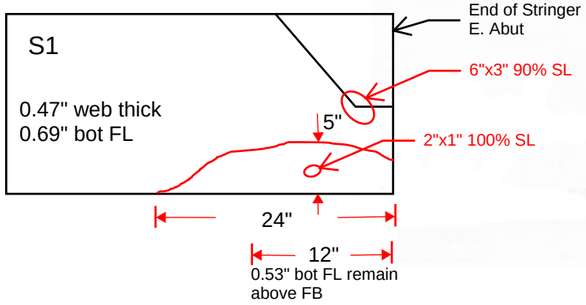
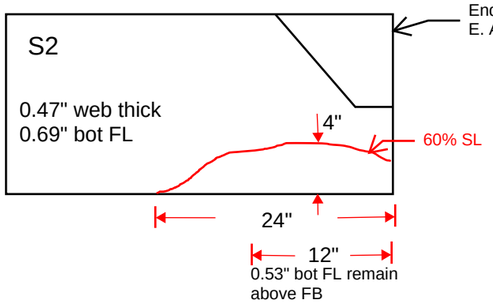
Sheet No. _____ of _____
Made by: JAF/MKL Date: 5-7/8-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2

West Face (AR)
East Face (MS)
Photo Number







Panel Point

FB 6

E. ABUT
LOOKING FORWARD

E. APPROACH SPAN 21

Notes:

APPENDIX F: FIELD NOTES - APPROACH SUBSTRUCTURE

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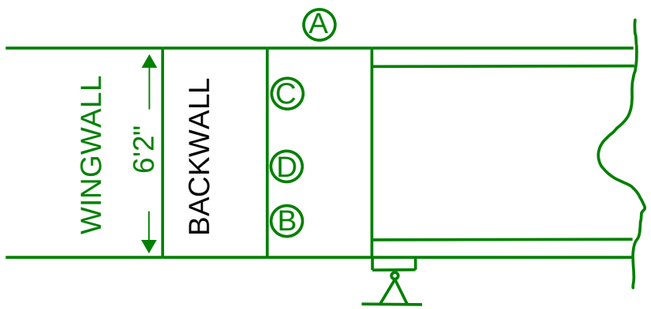
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899 ABUTMENT 1

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2



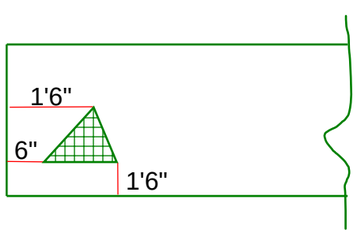
LOOKING NORTH

Ⓐ FINGER JOINT COMPLETELY CLOSED AT 75*F SUNNY PHOTO: 31-32

Ⓑ 2' LEVEL PLACED AT AROUND 3' (TO CENTER OF LEVEL) FROM TOP OF BACK WALL PHOTO: 7
LEANING FORWARD (TOWARDS TRUSS). OUT OF LEVEL 0.4" OVER 2'

Ⓒ 2' LEVEL PLACED AT ~ 6" FROM TOP BACKWALL PHOTO: 8

Ⓓ 1'x3' SPALL PHOTO: 9-10
LEANING EVEN FURTHER FORWARD THAN BACKWALL



- 1/2 WAY BETWEEN G3 - G4 PHOTO: 11-13
  TAKEN AT BOTTOM B.W.
  LEANING FORWARD - OUT OF LEVEL 0.9" OVER 2'. SOUNDING IS SOLID

- 1/2 WAY BETWEEN G2 -G3
  TAKEN AT BOTTOM B.W.
  LEANING FORWARD - OUT OF LEVEL 0.7" OVER 2'
  SOUNDING IS SOLID

- 1/2 WAY BETWEEN G1 - G2 PHOTO: 15
  TAKEN AT BOTTOM B.W.
  LEANING FORWARD - OUT OF LEVEL 0.8" OVER 2'
  SOUNDING IS SOLID

- NORTH SIDE OF ABUTMENT 1 - OUTSIDE G1
  -WINGWALL FACE LEVEL PHOTO: 16
  -LARGE SPALL IN B.W. - PULLING AWAY PHOTO: 17-18, 22-23
  -OUT OF LEVEL 0.8" OVER 2' LEANING FORWARD PHOTO: 19

PHOTO: 20 - BEARING 1 LOOKING NORTH
PHOTO: 21 - BEARING 2 LOOKING SOUTH
PHOTO: 24 - BEARING 1 LOOKING SOUTH
PHOTO: 25 - BEARING 2 LOOKING NORTH
PHOTO: 26 - BEARING 3 LOOKING SOUTH
PHOTO: 27 - OVERALL VIEW BETWEEN G2-G3
PHOTO: 28 - BEARING 3 LOOKING NORTH
PHOTO: 29 - BEARING 4 LOOKING SOUTH
PHOTO: 30 - BEARING 4 LOOKING NORTH

Michael Baker
INTERNATIONAL
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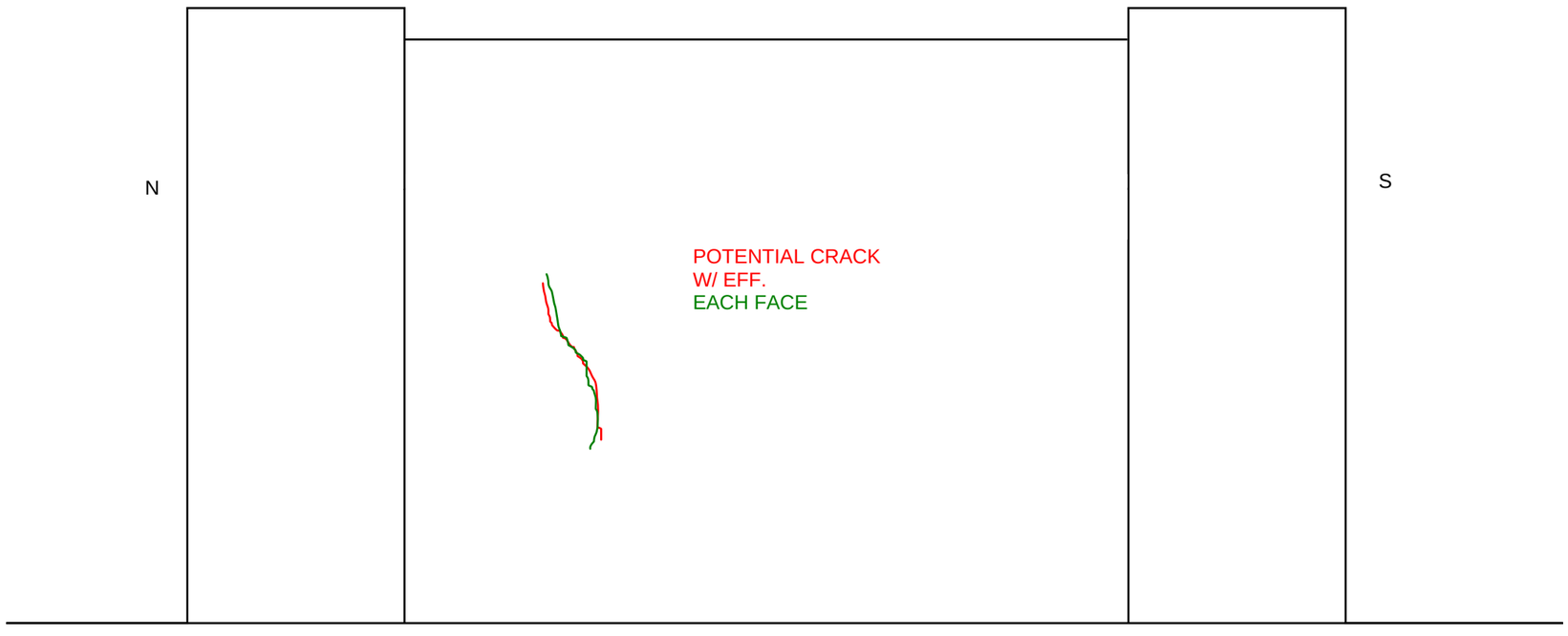
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 4



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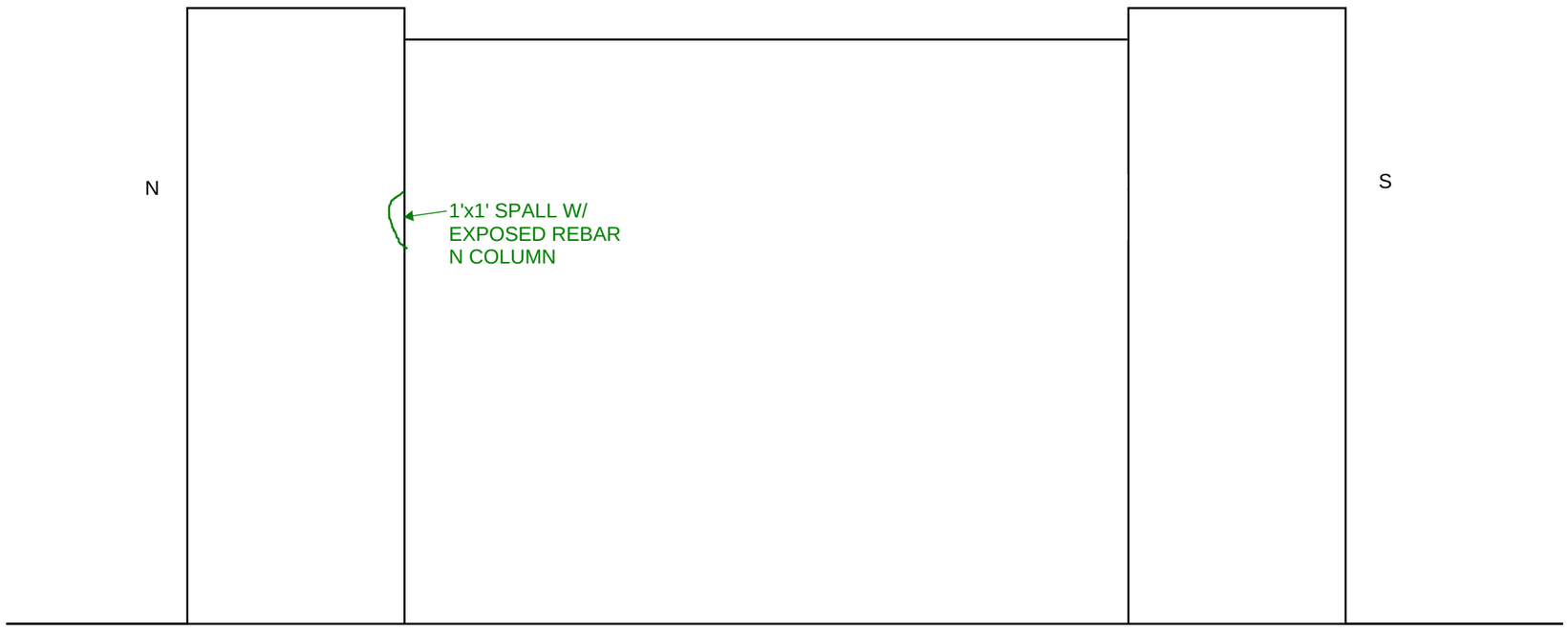
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 5



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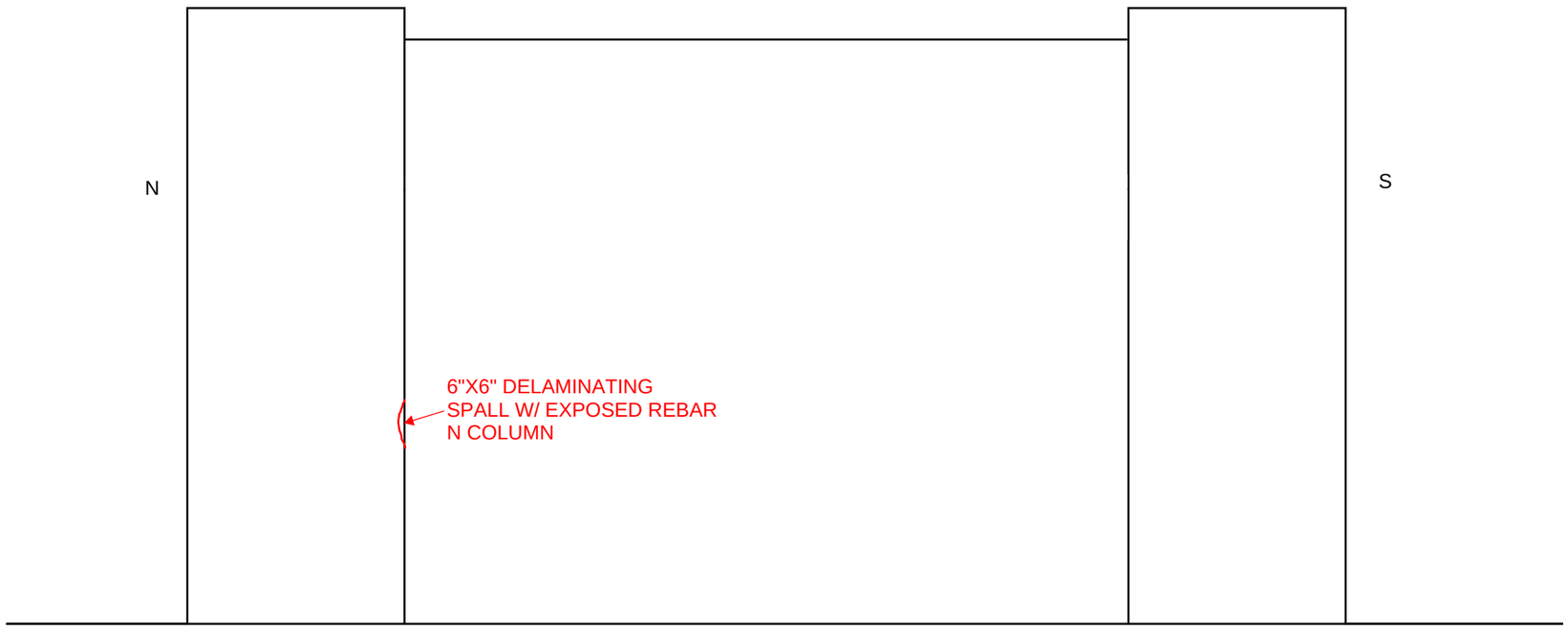
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 6



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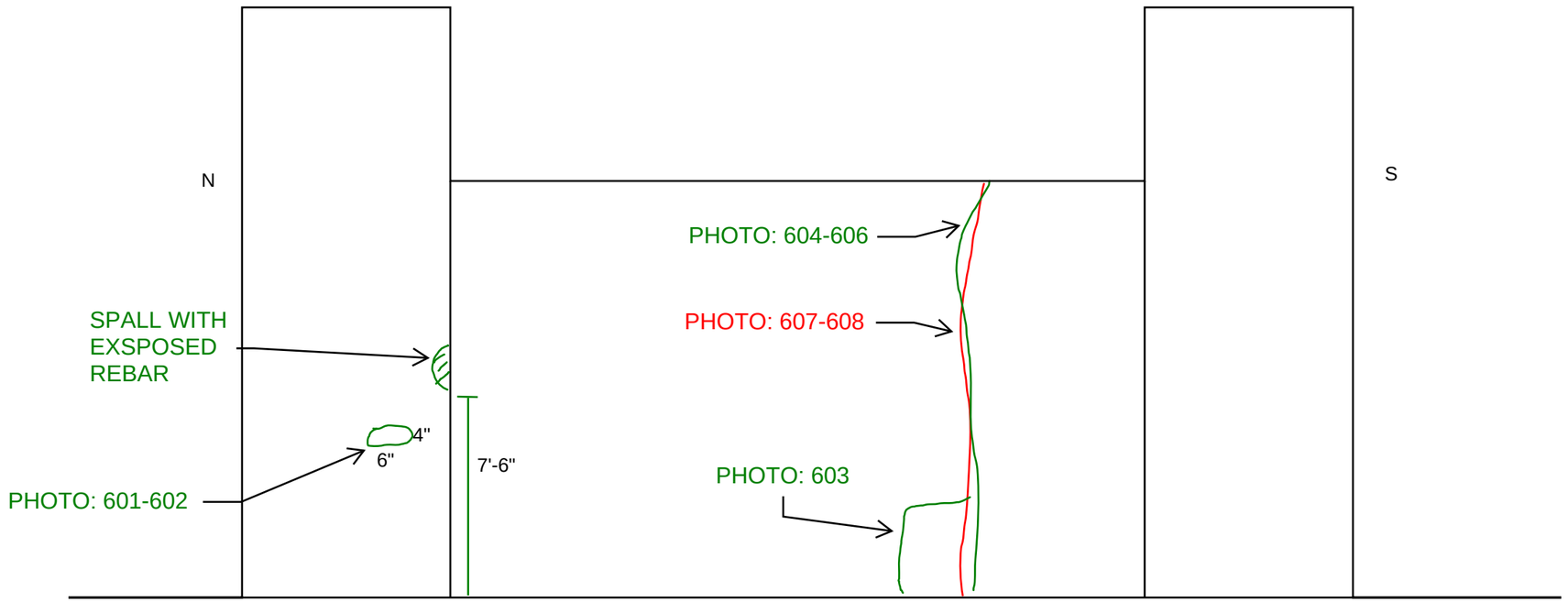
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 7



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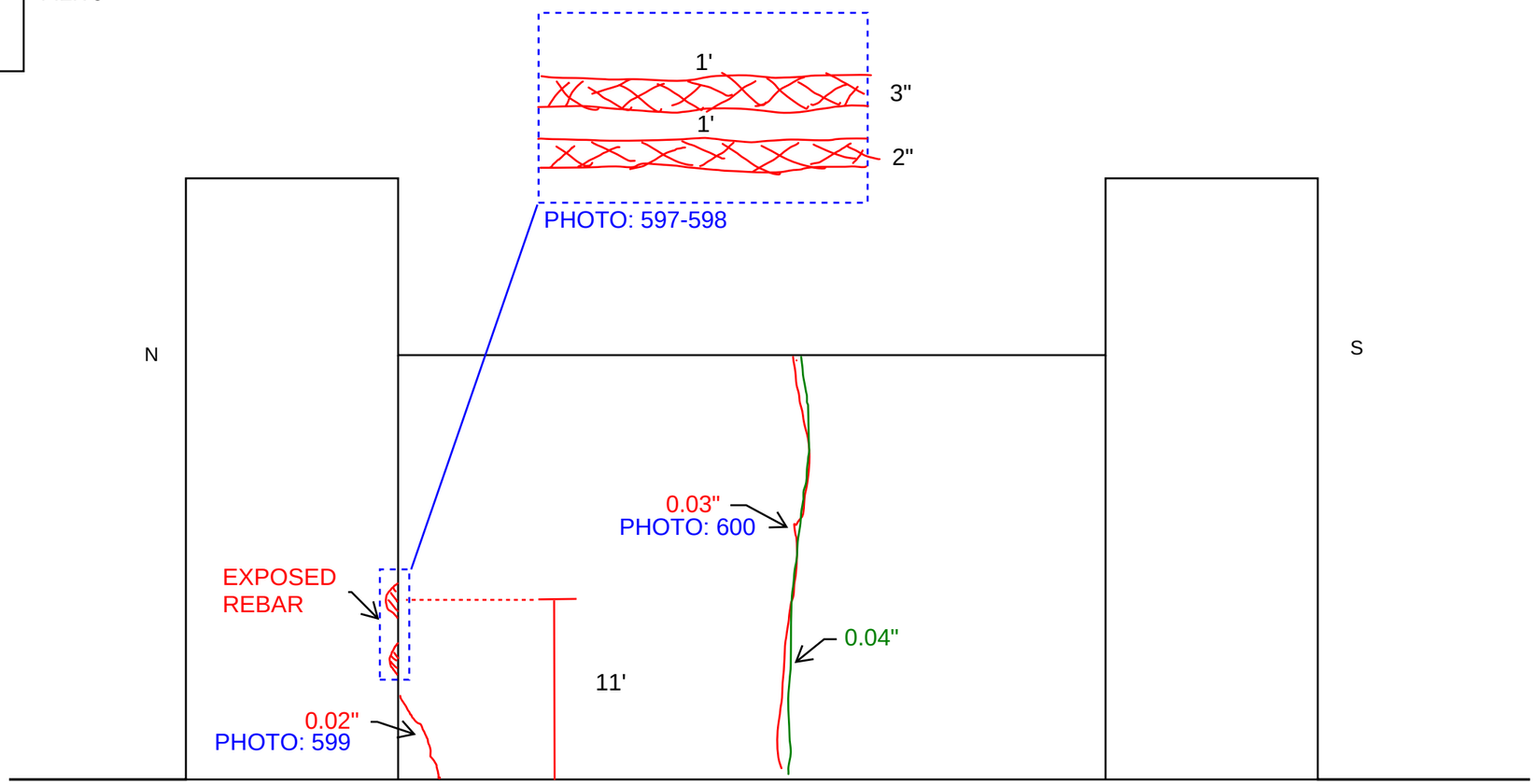
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 8



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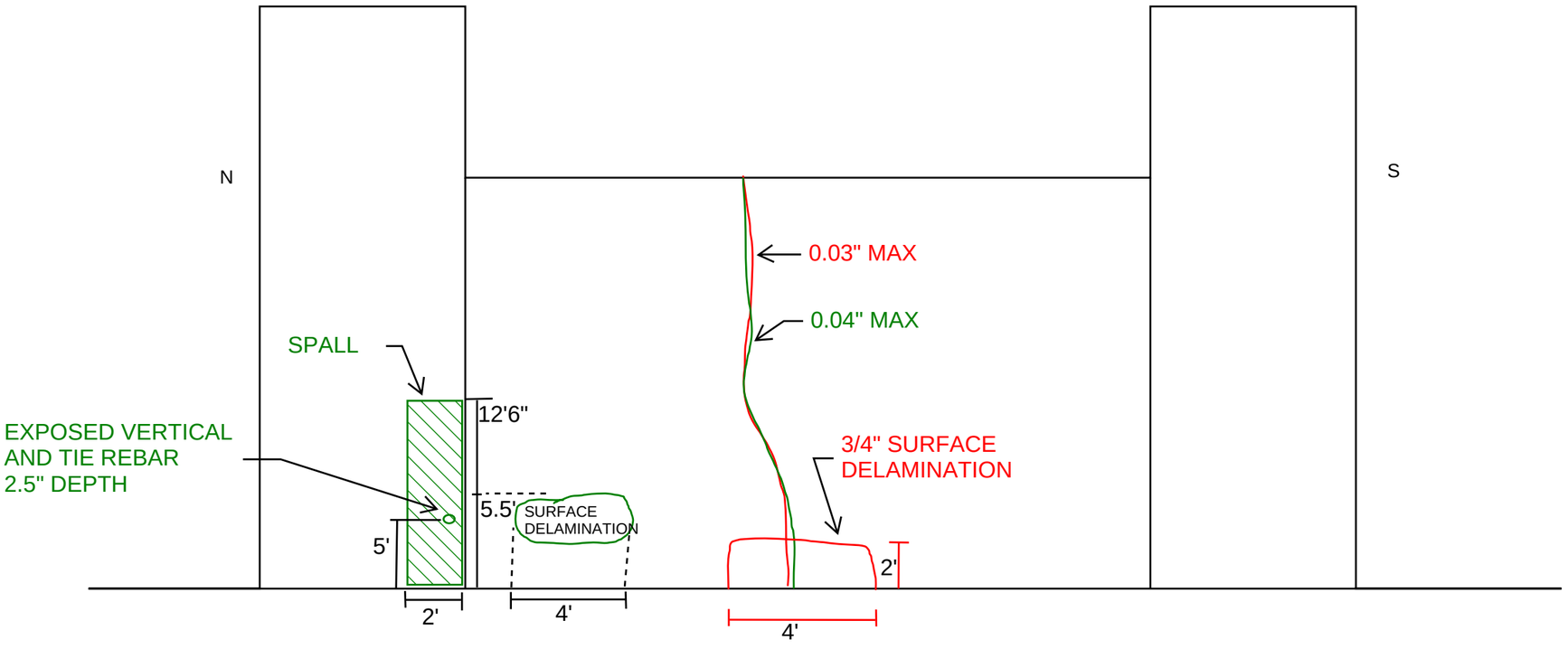
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 9



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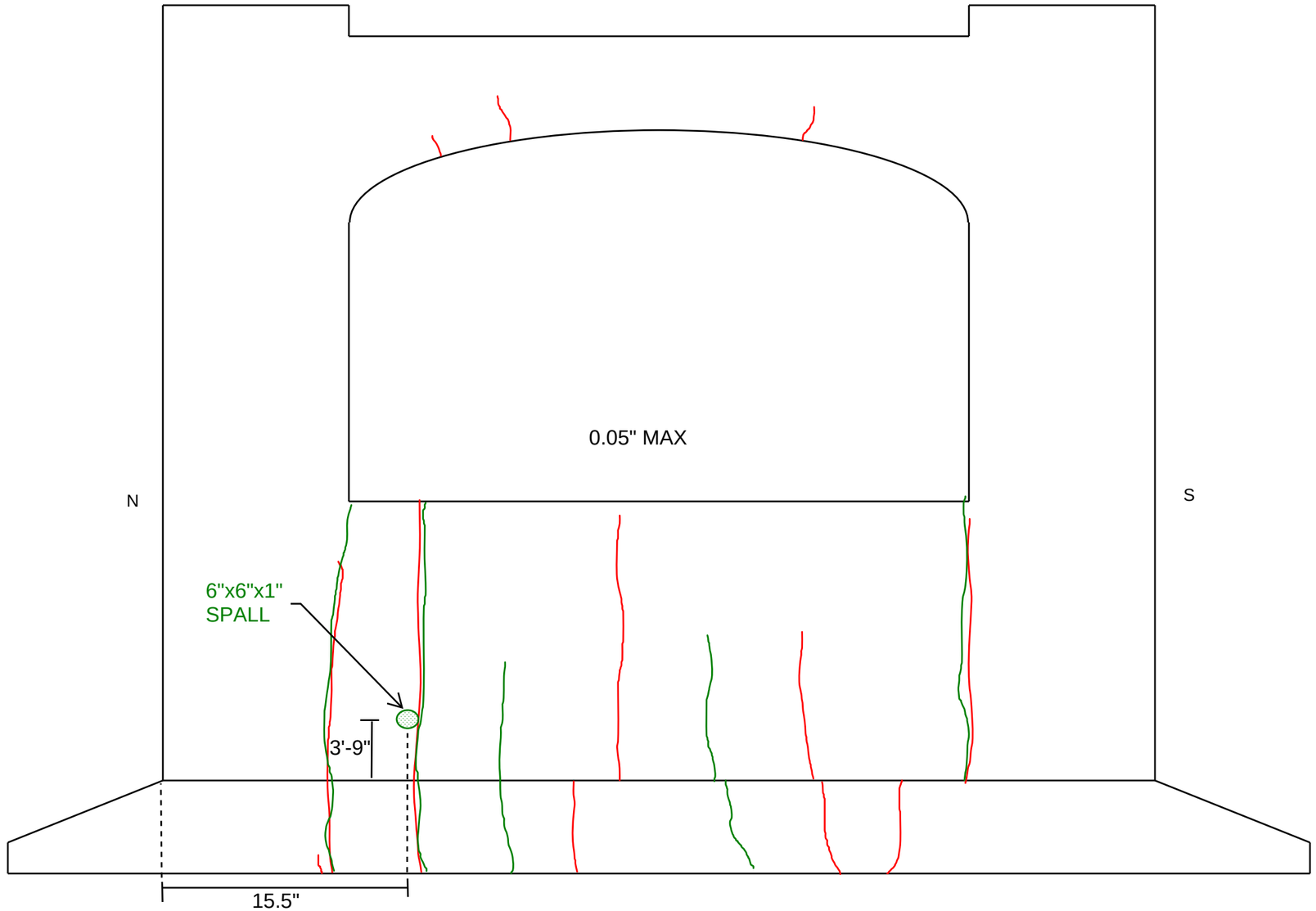
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 10



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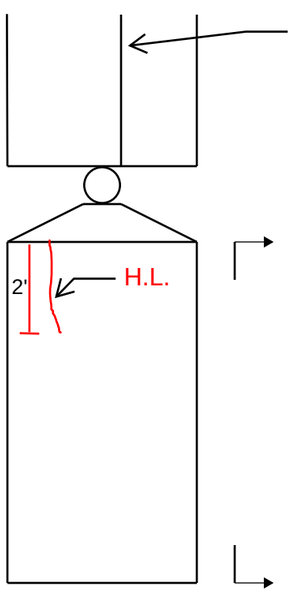
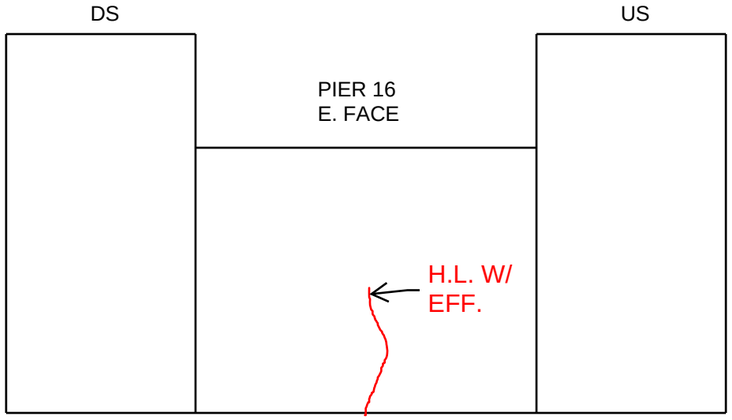
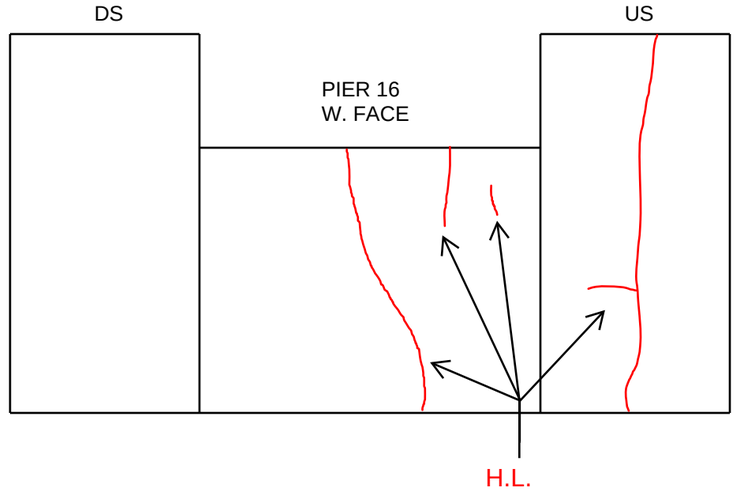
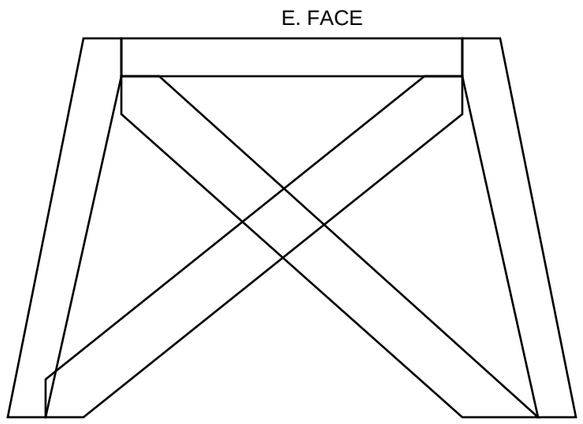
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: BCM/JSP Date: 5-13-22
Checked by: _____ Date: _____
Description: Bridge No. 02899









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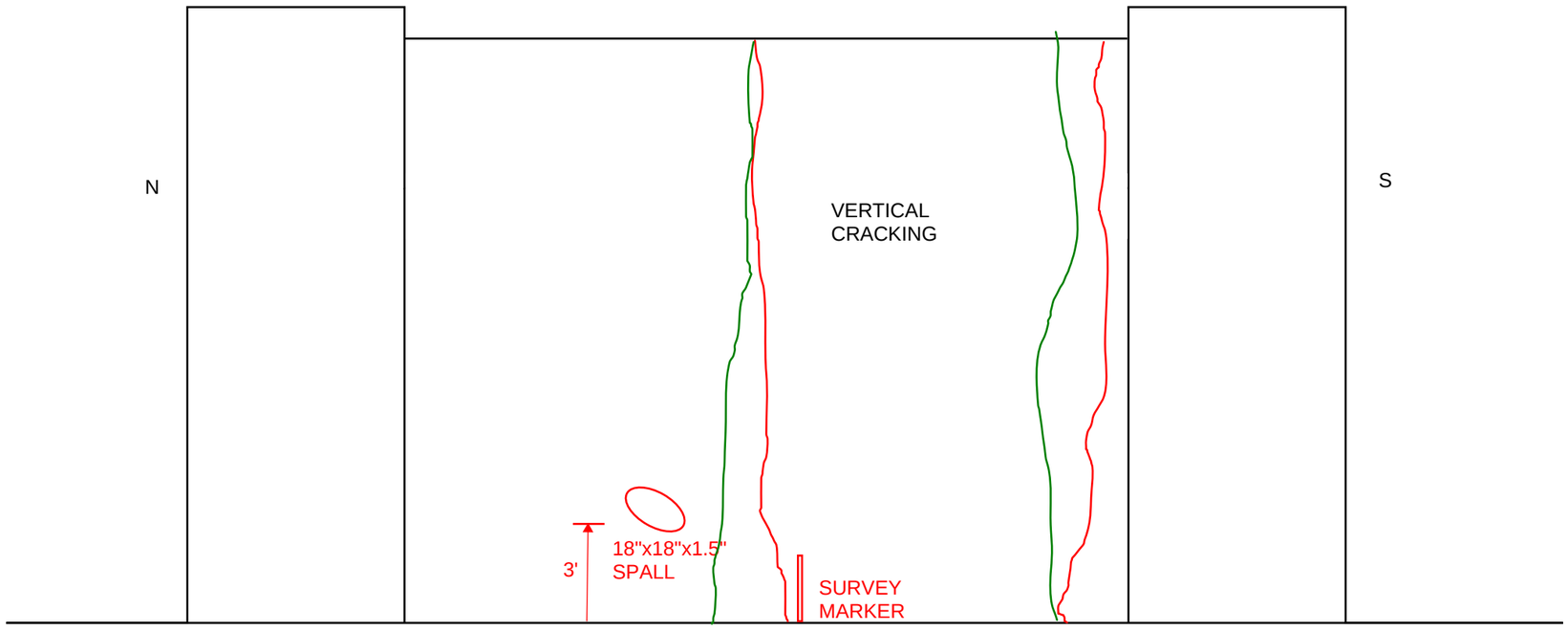
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 17



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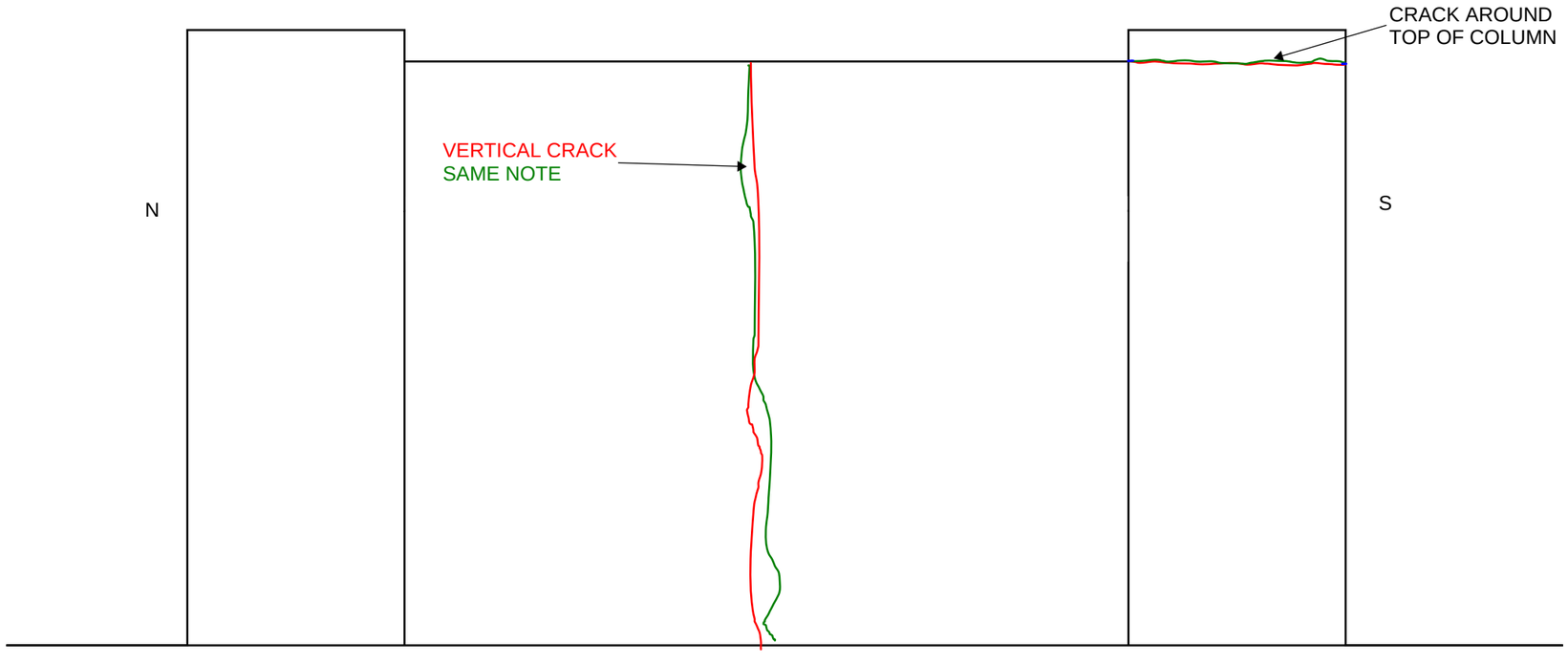
Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 18



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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 19

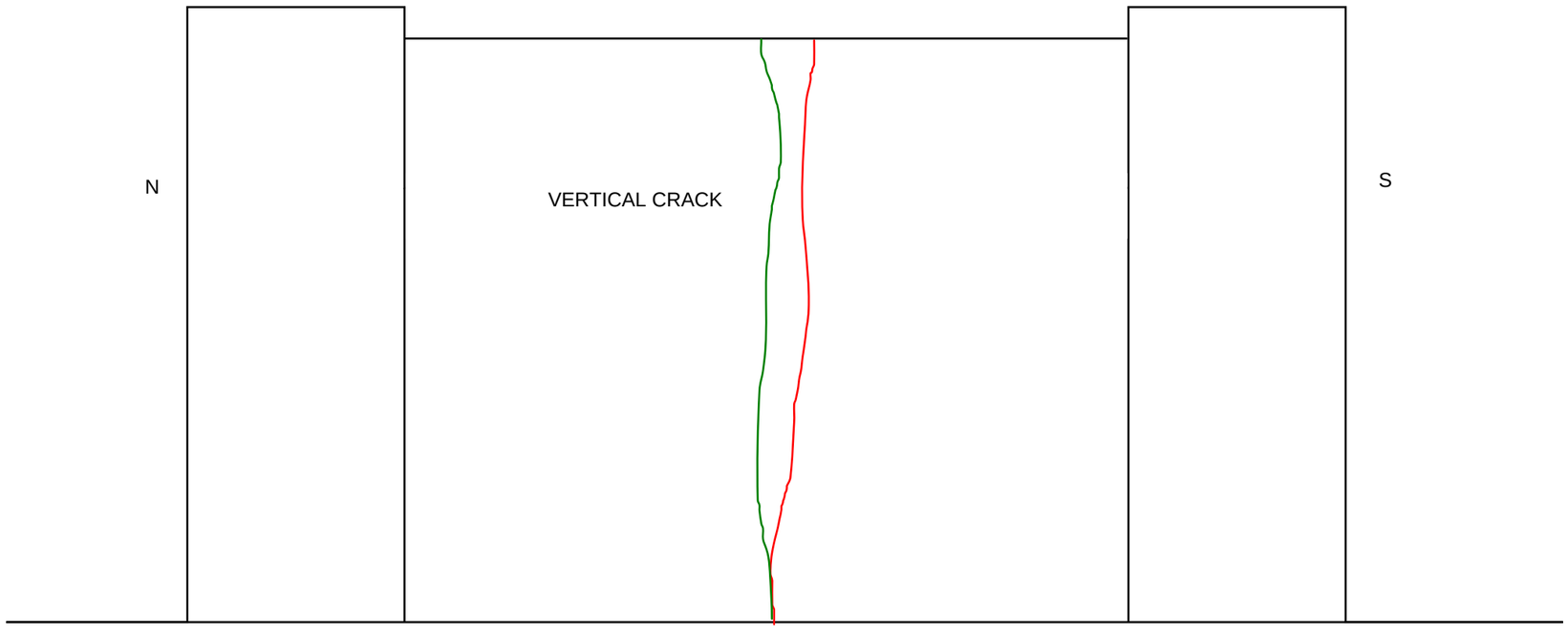
ATTACHEMENT

Michael Baker
INTERNATIONAL
101 S. Spring St, Suite 100
Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: ML Date: 5-X-22
Checked by: _____ Date: _____
Description: Bridge No. 02899

West Face (AR)
East Face (MS)
Photo Number

PIER 20



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Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: SFH Date: 5/5/22
Checked by: _____ Date: _____
Description: Bridge No. 02899

Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Photographs\2022-05_Inspection\SFH\2022-05-05\[ARDOT 110812_Photo Log_SFH.xlsx]Misc.

Photo #	Description
1706-1718	Pier 14 South Bearing
1719-1728	Pier 14 North Bearing (Rusty water leaking through drain holes & ponding on top of bearing)
1729-1736	Pier 14 River/Pier Views
1737-1747	Pier 15 South Bearing (Truss span & approach span)
1748-1756	Pier 15 North Bearing (Truss spans & approach span)
1757-1758	Pier 15 Truss transverse restrainer block
1759-1769	Pier 15 River/ pier views (1763- corroded ladder grate / missing panel)

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Little Rock, AR 72201

Job: ARDOT 110812 --- Bridge Preservation
Sheet No. _____ of _____
Made by: EB Date: 5-9-22
Checked by: _____ Date: _____
Description: Bridge No. 02899 ABUTMENT 2

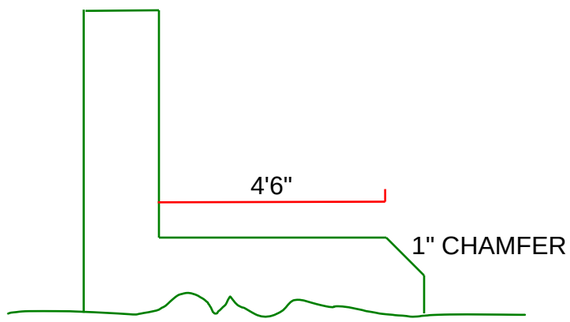
Y:\Projects\ARDOT_186556_110812_Hwy 49 Miss River Bridge Preservation\Design\BRIDGE\Field Inspections\[ARDOT 110812_Deck Templates_Photo Log.xlsx]Elev View- Approach FB 2

PHOTO: 33 - OVERALL PHOTO SOUTH SIDE AT ABUTMENT 2
PHOTO: 34 - LOOKING NORTH ALONG FRONT FACE ABUTMENT 2 BACKWALL (B.W.)
PHOTO: 35 - LEVEL FRONT FACE B.W. AT GIRDER 2 ABUTMENT 2

BEARING AT G2 LEANING BACKWARDS TOWARD BACKWALL PHOTO: 36 LOOKING NORTH
37 LOOKING SOUTH

BEARING G2 RESTRAINER DEFORMATION & FRONT FACE NORTH SIDE
NUT DETERIORATED ON ANCHOR BOLTS PHOTO: 38-39 LOOKING SOUTH

PACK RUST BETWEEN BEARING PLATE & B.F. G2 PHOTO: 40 - LOOKING NORTH



ELEVATION - LOOKING SOUTH

TORN NEOPRENE TROUGH AT MID-BAY PHOTO: 41
VERTICAL CRACKS IN B.W. 4' TO 4.5' O.C. PHOTO: 42(NORTH SIDE) 43(SOUTH SIDE)

LEVEL (VERTICALLY) BACKWALL AT MID-BAY

BEARING 1 NUT DETERIATION ON BACK ANCHOR BOLT (NE) PHOTO: 44

BEARING 1 SECTION LOSS PHOTO: 45

BEARING 1 LOOKING SOUTH PHOTO: 46

B.W. CRACKING/ DELAM ON NORTH SIDE OF G1 PHOTO: 47

SLIGHT TILT FORWARD (TOP TOWARDS W) ON NORTH SIDE G1 NEAR DELAM PHOTO: 48

JOINT ALMOST FULLY CLOSED (82*F, SUNNY) PHOTO: 49

APPENDIX G: NONDESTRUCTIVE EVALUATION RESULTS (BY FICKETT STRUCTURAL SOLUTIONS, INC.)

FICKETT
Structural Solutions

3148 Deming Way
Suite 160
Middleton, WI 53562
608.831.3238
fickettinc.com

US 49 Bridge Over the Mississippi River

ARDOT #02899

Fracture Critical Pin Inspection Report

May 9-13, 2022

Helena-West Helena, Arkansas

For: Michael Baker International, Inc.

By: Fickett Structural Solutions, Inc.

FICKETT
Structural Solutions

3148 Deming Way
Suite 160
Middleton, WI 53562
608.831.3238
fickettinc.com

Mr. Fred Harper, P.E.
Michael Baker International, Inc.
101 South Spring Street,
Suite 100
Little Rock, AR 72201

RE: Bridge No.02899, USH 49 Bridge over the Mississippi River

Dear Mr. Harper,

On May 9th through May 13th, 2022, a representative of Fickett Structural Solutions, Inc. (Fickett) performed Ultrasonic Testing (UT) of the bridge pins on Bridge No.02899 to provide additional information for Michael Baker International's fracture critical bridge inspection report for the Arkansas Department of Transportation.

ARDOT Bridge No.	02899
Pin Inspection Frequency	Unknown
Feature Intersected	Mississippi River
Location	USH 49 over Mississippi River in Helena – West Helena, AR
Latitude	N 34° 49' 87.49"
Longitude	W -90° 59' 67.18"

Of the bridge's 142 fracture critical pins, 12 pins were at the Approach Spans, 16 were at the upper connections of the Superstructure, and 114 were at the Contraction Joints of the Pavement Deck. The Superstructures upper alignment pins were not included in the testing.

1. ULTRASONIC CALIBRATION PROCEDURES

The paint coatings on the ends of the pins were generally in fair condition with relatively smooth surfaces and minor to moderate areas of corrosion. Prior to scanning, the pin ends were inspected and if the surface of the pin was not conducive to scanning, then the faces of the pins were prepared by removing overlaid paint, corrosion and minor surface imperfections by using a hand grinder with flapper disc. If the painted surface was noted to be in good condition and the ultrasonic sound transference through the pin was observed to be within acceptable limits, paint removal was not performed. Hand tool scraping to smooth out the paint surface of minor bumps and drip ridges was performed to make the surface more accepting to the ultrasonic transducer. Each pin was scanned on both sides, unless noted otherwise due to inaccessibility.

Minor differences in measured lengths when scanning the pin from both ends may represent slight differences due to paint coating thicknesses, hammering dimples from installation, or slight skew of the cut end of the pin. Additionally, the first pin, as well as random pins throughout the structure were physically measured and compared to instrument readings for verification of results.

Fickett utilized a 5.0 MHz, 0.5 in. diameter, longitudinal (straight) beam transducer set at a 10-degree angle when scanning the pin for radial cracking extending from the outer surfaces of the pin. The instrument system was calibrated for linearity by using the following calibration standards: an IIW-2 steel block; and a DS steel block. Upon scanning each pin, the backwall reflection was adjusted to 80% of the screen height to establish a sensitivity Reference Level with the system's decibel (Db) level recorded.

FICKETT
Structural Solutions

3148 Deming Way
Suite 160
Middleton, WI 53562
608.831.3238
fickettinc.com

Information regarding the UT instrument calibration set-up can be found in Appendix A – Calibration Longitudinal Wave.

Pins were scanned by adding 12 decibels (dB) to the UT machine at the Reference Level setting, making the sensitivity greater. When an indication was identified, the additional 12dB was removed to record the indication at the Reference Level. Test results are referenced by the amount of sound that is reflected back to the transducer, quantified as percent screen height at Reference Level. Relevant indications were considered over 20% of the screen height at the Reference Level, and were recorded in our report. Pin indication locations were recorded by referencing an analog clock face from the scanned pin surface. The relative reflective surface size of the indication is recorded by the screen height percentage at Reference Level. Both ends of each pin were UT tested in order to perform a more thorough examination. After testing, the pin faces were cleaned of excess couplant and a zinc-rich primer was applied if the painted coating was removed.

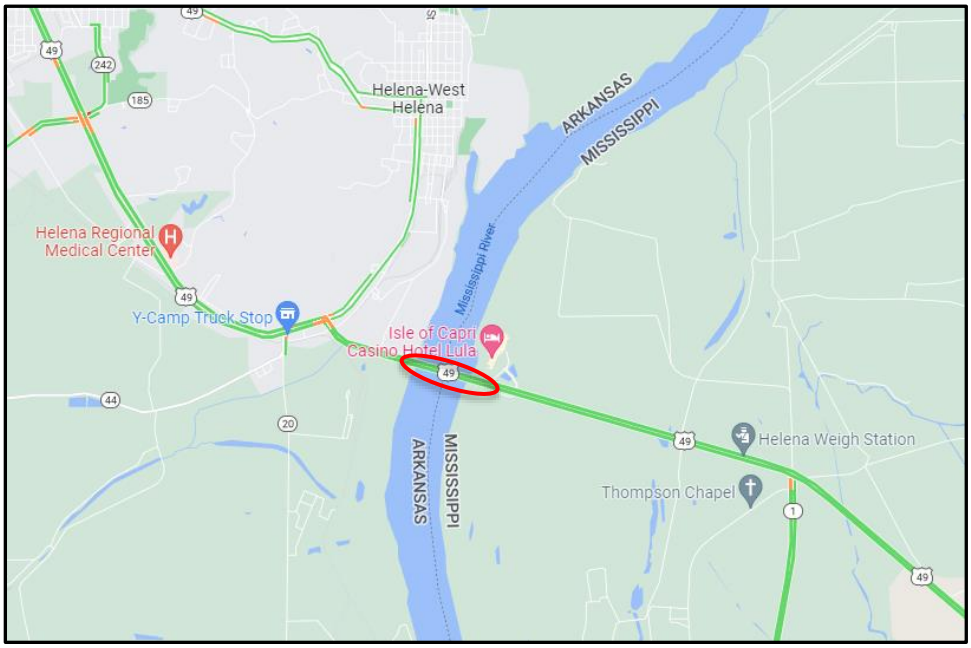
Measurements obtained during the inspection include the pin length, distance to the pin shoulder, pin face diameter, and pin stick out. Stick out is the amount of the threaded end of the pin that extends past the surface of the hanger bar or structural member.

2. ON-SITE SAFETY RISKS AND PRECAUTIONS

Traffic control operations were subcontracted out so that one lane of the two lane bridge was closed off for under bridge inspection trucks (UBIT) and man-lift operations. Traffic control personnel utilized hand held radios for communication between their personnel and Baker key personnel.

3. STAGING AREAS AND ACCESS LOCATIONS

Access to the pin locations was obtained using UBIT's and aerial lifts, supervised by Baker personnel.



Location of USH 49 Bridge Over the Mississippi River in Respect to Helena-West Helena, AR.

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4. INSPECTION FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

The pins were in good condition with two pins having recordable, minor indications noted on the pin surfaces at Reference Level. One pin was located at Approach Span 4, Girder 2 bottom pin as scanned from the interior face. The other pin was located at Span 13, Panel Point 36 Stringer 3 bottom pin as scanned from the north side of the pin. These indications may be indicative of minor wearing of the pin body or acoustic coupling. Acoustic coupling can occur due to local bearing forces between the pins and the hangers or bridge members. When bearing forces are large enough sound transfer can occur, sometimes of significant magnitude, and can appear to be a discontinuity within the pin.

It is recommended the pins be monitored visually during fracture critical inspections, and ultrasonically tested every 60 months, or at an interval approved per ARDOT practices. Should there be any questions, please do not hesitate to contact me at (608) 831-3238. We appreciate the opportunity to work with you on this project and look forward to working with you on future projects.

Respectfully Submitted,
Fickett Structural Solutions, Inc.

Todd Demski, PE, CWI
Executive Vice President

Carter Bohn
AWS Senior CWI #10060078
ASNT Level III #144509

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APPENDIX A

CALIBRATION – LONGITUDINAL WAVE

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Ultrasonic Calibration (Longitudinal)

					UT-2
Project Name: Pin Inspection of USH 49 Bridge			Bridge Number: 02899		
Site: USH 49 over Mississippi River in Helena-West Helena, AR					
Inspector: Carter Bohn	Level: ASNT Level III		Company: Fickett Structural Solutions		
Procedure: Fickett Structural Solutions Pin Procedure					Rev. Yr 2020
Report # N/A			Cal Sheet # N/A		
EQUIPMENT DATA					
Unit Mfg: Olympus	Model: Epoch 650		Serial #180563302	Cal Due Date: 06-04-22	
TRANSDUCER DATA					
Mfg: SensorScan	Model #: 00-010130 MD		Serial #: U11HI1	Size: 0.5	MHz: 5.0
WEDGE (SHOE) DATA					
Mfg: GE	Model #: SNI		Serial #: 01-010734	Material: Poly	Angle:10º
CABLE DATA					
Mfg: Olympus	Model #: N/A	Connection Type: BNC-Micro dot			Length: 6’
COUPLANT DATA					
Mfg: Echo Ultrasonics	Type: EchoMix Single		Batch #:2005		
CALIBRATION BLOCK DATA					
Mfg: Curtis Industries	Type: IIW-2		Serial #: 0288 07		
Mfg: Curtis Industries	Type: DSC		Serial #: 0589 12		
Unit Settings					
Transmit Mode:	Single: ☐		Pulse Echo: ☒		
Reference Gain: Varies by Backwall	Range: Varies by Pin	Delay: 0.073	Zero: 5.134	Mtl Vel: 0.2338 in/µsec	Scan Gain: +12dB
Gate Start: Varies	Gate Stop: Varies		% FSH 80% @ Pin Back Wall Reflection		Reject: OFF

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APPENDIX B

PIN UT INSPECTION DATA UTILIZING 10 DEGREE WEDGE

Comments: The west end of the bridge superstructure is the start of the numbering for the Contraction Joints, and the numbering increases traveling eastward.

On the Approach Spans, the west end of the bridge is the start of the Pier numbering system and it increases traveling eastward.

Upstream is to the north and downstream is to the south.

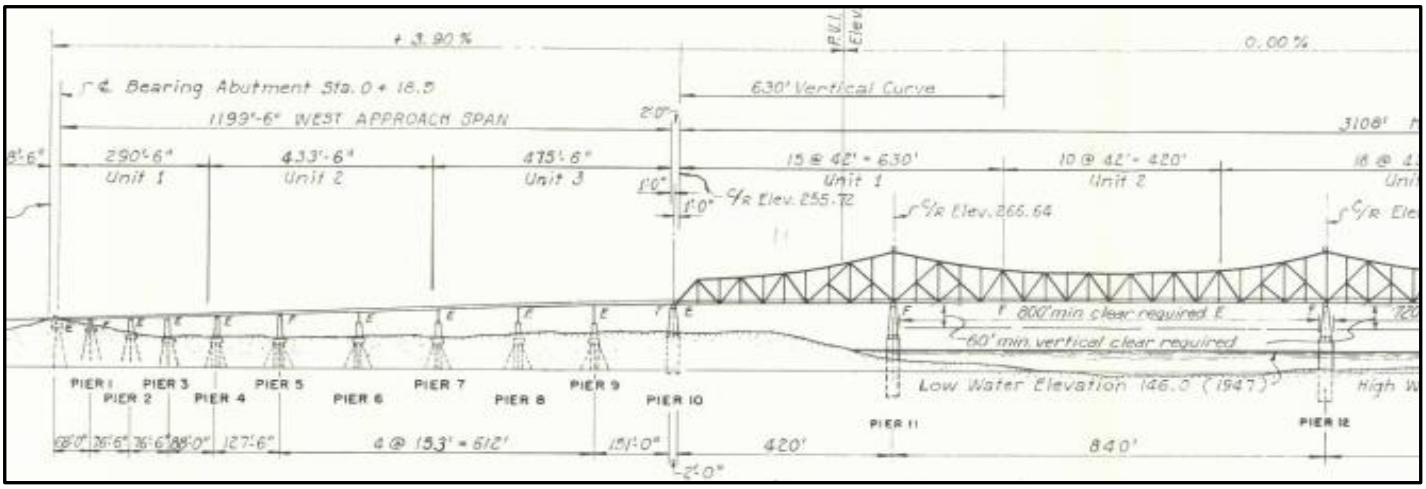

Image 1: West Approach Span to Pier 12, Looking North (Upstream)

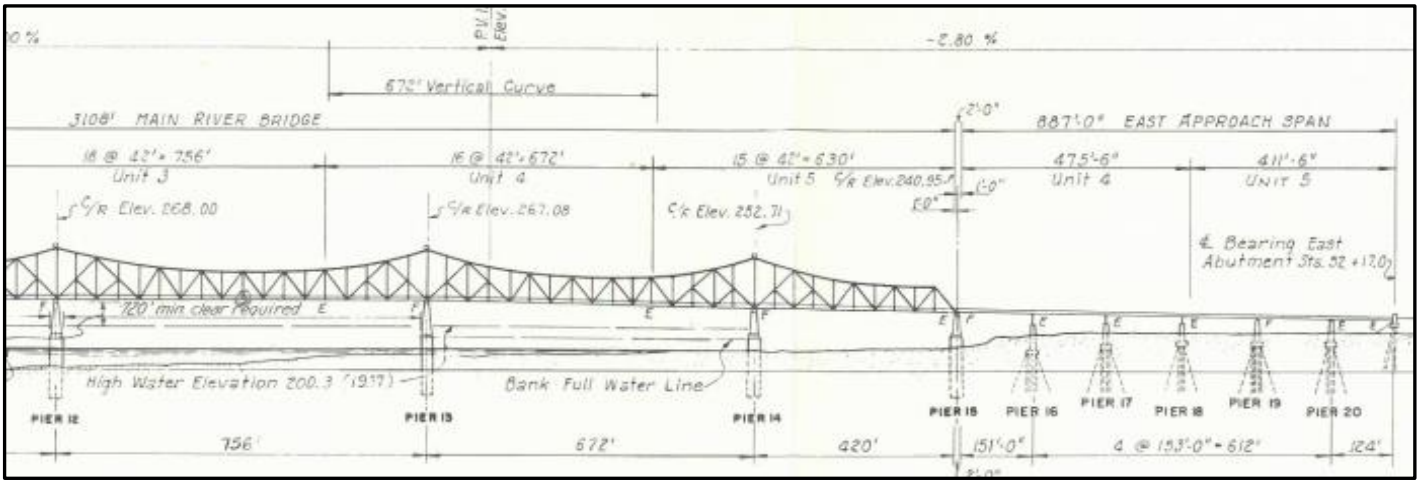

Image 2: Pier 12 to the East Approach Span, Looking North (Upstream)

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Inspector:	Carter Bohn ASNT Level III
Date:	5/9/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Girder 1	4	Top	Exterior	1.75	N/A	11.1	4.5	41				No Indications
Girder 1	4	Top	Interior	N/A	N/A	N/A	N/A	N/A				No Access
Girder 1	4	Bottom	Exterior	2.0	N/A	11.1	4.5	43				No Indications
Girder 1	4	Bottom	Interior	2.0	N/A	11.1	4.5	47				No Indications
Girder 2	4	Top	Exterior	1.75	N/A	11.2	4.5	38				No Indications
Girder 2	4	Top	Interior	N/A	N/A	N/A	N/A	N/A				No access
Girder 2	4	Bottom	Interior	2.0	N/A	11.1	4.5	54	3.6	6-8	50%	
Girder 2	4	Bottom	Exterior	1.75	N/A	11.1	4.5	40				No Indications
Girder 1	7	Top	Exterior	2	9.6	11.7	5.5	64				No Indications
Girder 1	7	Bottom	Exterior	2.25	10.0	11.7	5.5	64				No Indications
Girder 1	7	Top	Interior	N/A	N/A	N/A	N/A	N/A				No access
Girder 1	7	Bottom	Interior	2.0	9.9	11.7	5.5	62				No Indications
Girder 2	7	Top	Exterior	2.0	9.9	11.7	5.5	62				No Indications
Girder 2	7	Bottom	Exterior	2.0	9.9	11.7	5.5	68				No Indications
Girder 2	7	Top	Interior	N/A	N/A	N/A	N/A	N/A				No access
Girder 2	7	Bottom	Interior	2.0	10.0	11.7	5.5	62				No Indications
Girder 1	19	Top	Exterior	2.0	9.9	11.6	5.5	64				No Indications
Girder 1	19	Bottom	Exterior	2.0	9.9	11.6	5.5	70				No Indications
Girder 1	19	Top	Interior	N/A	N/A	N/A	N/A	N/A				No Access
Girder 1	19	Bottom	Interior	2.0	10.0	11.7	5.5	64				No Indications

Table 1: Pin Data in Approach Spans 4, 7 and 19

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Inspector:	Carter Bohn ASNT Level III
Date:	5/9/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Girder 2	19	Top	Exterior	2.0	10.0	11.7	5.5	72				No Indications
Girder 2	19	Top	Interior	N/A	N/A	N/A	N/A	N/A				No Access
Girder 2	19	Bottom	Exterior	2.0	9.9	11.6	5.5	74				No Indications
Girder 2	19	Bottom	Interior	2.0	9.9	11.7	5.5	67				No Indications

Table 2: Pin Data in Approach Span 19

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Inspector:	Carter Bohn ASNT Level III
Date:	5/10/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 1	11	3-Top	North	2 3/4	N/A	10.0	4.5	52				No Indications
Stringer 1	11	3-Bottom	North	2.5	N/A	9.9	4.5	50				No Indications
Stringer 1	11	3-Top	South	2.5	N/A	10.0	4.5	54				No Indications
Stringer 1	11	3-Bottom	South	2.5	N/A	9.9	4.5	50				No Indications
Stringer 2	11	3-Top	North	3.0	N/A	10.0	4.5	52				No Indications
Stringer 2	11	3-Bottom	North	2.5	N/A	10.0	4.5	52				No Indications
Stringer 2	11	3-Top	South	2.5	N/A	10.0	4.5	40				No Indications
Stringer 2	11	3-Bottom	South	2.5	N/A	10.0	4.5	58				No Indications
Stringer 3	11	3-Top	North	2.5	N/A	10.0	4.5	65				No Indications
Stringer 3	11	3-Bottom	North	2.5	N/A	10.0	4.5	50				No Indications
Stringer 3	11	3-Top	South	2.5	N/A	10.0	4.5	52				No Indications
Stringer 3	11	3-Bottom	South	2.5	N/A	10.0	4.5	54				No Indications
Stringer 1	11	6-Top	North	2.5	N/A	10.0	4.5	56				No Indications
Stringer 1	11	6-Bottom	North	2.5	N/A	9.9	4.5	46				No Indications
Stringer 1	11	6-Top	South	2.75	N/A	10.0	4.5	60				No Indications
Stringer 1	11	6-Bottom	South	2.5	N/A	9.9	4.5	44				No Indications
Stringer 2	11	6-Top	North	2.5	N/A	10.0	4.5	58				No Indications
Stringer 2	11	6-Bottom	North	2.5	N/A	10.0	4.5	56				No Indications
Stringer 2	11	6-Top	South	3.0	N/A	10.0	4.5	52				No Indications
Stringer 2	11	6-Bottom	South	2.5	N/A	10.0	4.5	46				No Indications
Stringer 3	11	6-Top	North	2.5	N/A	9.9	4.5	60				No Indications
Stringer 3	11	6-Bottom	North	2.5	N/A	10.0	4.5	46				No Indications

Table 3: Pin Data in Span 11 at Panel Points 3 and 6

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Inspector:	Carter Bohn ASNT Level III
Date:	5/11/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 3	11	6-Top	South	2.5	N/A	10.0	4.5	57				No Indications
Stringer 3	11	6-Bottom	South	2.5	N/A	10.0	4.5	62				No Indications
Stringer 3	11	8-Top	North	1.25	5.8	9.2	6	64				No Indications
Stringer 3	11	8-Bottom	North	1.25	5.7	9.2	6	72				No Indications
Stringer 3	11	8-Top	South	3.25	N/A	9.2	3	66				No Indications
Stringer 3	11	8-Bottom	South	3.25	N/A	9.2	3	52				No Indications
Stringer 2	11	8-Top	North	1.25	5.5	9.2	6	74				No Indications
Stringer 2	11	8-Bottom	North	1.25	5.8	9.2	6	78				No Indications
Stringer 2	11	8-Top	South	3.5	N/A	9.2	3	74				No Indications
Stringer 2	11	8-Bottom	South	3.25	N/A	9.2	3	60				No Indications
Stringer 1	11	8-Top	North	1.25	6.1	9.2	6	64				No Indications
Stringer 1	11	8-Bottom	North	1.25	5.6	9.2	6	74				No Indications
Stringer 1	11	8-Top	South	3.5	N/A	9.2	3	70				No Indications
Stringer 1	11	8-Bottom	South	3.5	N/A	9.2	3	72				No Indications
Stringer 3	12	12-Top	North	1.25	5.6	9.2	6	48				No Indications
Stringer 3	12	12-Bottom	North	1.25	5.6	9.2	6	58				No Indications
Stringer 3	12	12-Top	South	3.5	N/A	9.2	3	56				No Indications
Stringer 3	12	12-Bottom	South	3.25	N/A	9.2	3	60				No Indications
Stringer 2	12	12-Top	North	1.25	5.8	9.1	6	54				No Indications
Stringer 2	12	12-Bottom	North	1.25	5.7	9.2	6	56				No Indications
Stringer 2	12	12-Top	South	3.25	N/A	9.2	3	56				No Indications
Stringer 2	12	12-Bottom	South	3.25	N/A	9.2	3	58				No Indications

Table 4: Pin Data in Span 11 at Panel Points 6 and 8; Span 12 at Panel Point 12

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Inspector:	Carter Bohn ASNT Level III
Date:	5/11/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 1	12	12-Top	North	1.25	5.8	9.3	6	76				No Indications
Stringer 1	12	12-Bottom	North	1.25	5.7	9.2	6	22				No Indications
Stringer 1	12	12-Top	South	3.25	N/A	9.2	3	72				No Indications
Stringer 1	12	12-Bottom	South	3.25	N/A	9.1	3	58				No Indications
Stringer 3	12	15-Top	North	1.25	5.6	9.2	6	60				No Indications
Stringer 3	12	15-Bottom	North	1.25	5.6	9.2	6	62				No Indications
Stringer 3	12	15-Top	South	3.25	N/A	9.2	3	66				No Indications
Stringer 3	12	15-Bottom	South	3.25	N/A	9.1	3	68				No Indications
Stringer 2	12	15-Top	North	1.25	5.7	9.2	6	70				No Indications
Stringer 2	12	15-Bottom	North	1.25	5.7	9.1	6	74				No Indications
Stringer 2	12	15-Top	South	3.5	N/A	9.2	3	60				No Indications
Stringer 2	12	15-Bottom	South	3.25	N/A	9.1	3	70				No Indications
Stringer 1	12	15-Top	North	1.25	5.7	9.3	6	56				No Indications
Stringer 1	12	15-Bottom	North	1.25	5.7	9.3	6	60				No Indications
Stringer 1	12	15-Top	South	3.5	N/A	9.2	3	66				No Indications
Stringer 1	12	15-Bottom	South	3.5	N/A	9.2	3	60				No Indications

Table 5: Pin Data in Span 12 at Panel Points 12 and 15

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Inspector:	Carter Bohn ASNT Level III
Date:	5/12/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 3	12	18-Top	North	1.25	5.6	9.1	6	77				No Indications
Stringer 3	12	18-Bottom	North	1.25	5.6	9.1	6	57				No Indications
Stringer 3	12	18-Top	South	3.25	N/A	9.1	3	76				No Indications
Stringer 3	12	18-Bottom	South	3.25	N/A	9.1	3	57				No Indications
Stringer 2	12	18-Top	North	3.5	N/A	9.3	3	49				No Indications
Stringer 2	12	18-Bottom	North	3.25	N/A	9.2	3	55				No Indications
Stringer 2	12	18-Top	South	1.25	5.7	9.3	6	63				No Indications
Stringer 2	12	18-Bottom	South	1.25	5.6	9.1	6	48				No Indications
Stringer 1	12	18-Top	North	3.25	N/A	9.2	3	71				No Indications
Stringer 1	12	18-Bottom	North	3.25	N/A	9.1	3	69				No Indications
Stringer 1	12	18-Top	South	1.25	5.6	9.2	6	62				No Indications
Stringer 1	12	18-Bottom	South	1.25	5.7	9.1	6	59				No Indications
Stringer 3	12	22-Top	North	3.25	N/A	9.2	3	65				No Indications
Stringer 3	12	22-Bottom	North	3.25	N/A	9.2	3	71				No Indications
Stringer 3	12	22-Top	South	1.25	5.6	9.2	6	62				No Indications
Stringer 3	12	22-Bottom	South	1.25	5.8	9.2	6	64				No Indications
Stringer 2	12	22-Top	North	1.25	5.7	9.2	6	64				No Indications
Stringer 2	12	22-Bottom	North	1.25	5.7	9.3	6	61				No Indications
Stringer 2	12	22-Top	South	3.5	N/A	9.1	3	69				No Indications
Stringer 2	12	22-Bottom	South	3.5	N/A	9.1	3	73				No Indications
Stringer 1	12	22-Top	South	3.25	N/A	9.2	3	65				No Indications
Stringer 1	12	22-Bottom	South	3.25	N/A	9.1	3	62				No Indications

Table 6: Pin Data in Span 12 at Panel Points 18 and 22

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Inspector:	Carter Bohn ASNT Level III
Date:	5/12/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 1	12	22-Top	North	1.25	5.6	9.1	6	58				No Indications
Stringer 1	12	22-Bottom	North	1.25	5.9	9.2	6	60				No Indications
Stringer 3	12	28-Top	North	2.75	N/A	10.1	4.5	60				No Indications
Stringer 3	12	28-Bottom	North	2.75	N/A	10.1	4.5	42				No Indications
Stringer 3	12	28-Top	South	2.75	N/A	10.0	4.5	50				No Indications
Stringer 3	12	28-Bottom	South	2.75	N/A	10.0	4.5	52				No Indications
Stringer 2	12	28-Top	North	2.75	N/A	10.0	4.5	40				No Indications
Stringer 2	12	28-Bottom	North	2.75	N/A	10.2	4.5	43				No Indications
Stringer 2	12	28-Top	South	2.75	N/A	10.0	4.5	50				No Indications
Stringer 2	12	28-Bottom	South	2.75	N/A	10.0	4.5	48				No Indications
Stringer 1	12	28-Top	North	2.75	N/A	10.0	4.5	53				No Indications
Stringer 1	12	28-Bottom	North	3.0	N/A	10.0	4.5	57				No Indications
Stringer 1	12	28-Top	South	2.75	N/A	10.0	4.5	51				No Indications
Stringer 1	12	28-Bottom	South	2.75	N/A	10.0	4.5	41				No Indications
Stringer 3	13	32-Top	North	2.25	N/A	9.7	4.5	49				No Indications
Stringer 3	13	32-Bottom	North	2.5	N/A	9.7	4.5	46				No Indications
Stringer 3	13	32-Top	South	2.5	N/A	9.7	4.5	45				No Indications
Stringer 3	13	32-Bottom	South	2.25	N/A	9.7	4.5	43				No Indications
Stringer 2	13	32-Top	North	2.5	N/A	9.7	4.5	51				No Indications
Stringer 2	13	32-Bottom	North	2.25	N/A	9.7	4.5	42				No Indications
Stringer 2	13	32-Top	South	2.25	N/A	9.7	4.5	47				No Indications
Stringer 2	13	32-Bottom	South	2.25	N/A	9.7	4.5	40				No Indications

Table 7: Pin Data in Span 12 at Panel Points 22 and 28; Span 13 at Panel Point 32

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Suite 160
Middleton, WI 53562
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Inspector:	Carter Bohn ASNT Level III
Date:	5/12/22
Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 1	13	32-Top	North	2.25	N/A	9.7	4.5	44				No Indications
Stringer 1	13	32-Bottom	North	2.25	N/A	9.7	4.5	45				No Indications
Stringer 1	13	32-Top	South	2.5	N/A	9.7	4.5	49				No Indications
Stringer 1	13	32-Bottom	South	2.25	N/A	9.7	4.5	48				No Indications
Stringer 3	13	36-Top	North	2.5	N/A	10.0	4.5	48				No Indications
Stringer 3	13	36-Bottom	North	2.75	N/A	9.9	4.5	63	5.3 / 6.1	11:00 to 12:00 / 12:00	40% / 30%	Pin Rotating
Stringer 3	13	36-Top	South	2.5	N/A	9.9	4.5	48				No Indications
Stringer 3	13	36-Bottom	South	2.5	N/A	9.9	4.5	51				No Indications
Stringer 2	13	36-Top	North	2.5	N/A	10.2	4.5	58				No Indications
Stringer 2	13	36-Bottom	North	2.5	N/A	10.1	4.5	58				Pin Loose in Connection
Stringer 2	13	36-Top	South	2.75	N/A	10.3	4.5	53				No Indications
Stringer 2	13	36-Bottom	South	2.5	N/A	10.1	4.5	50				No Indications
Stringer 1	13	36-Top	North	2.5	N/A	10.0	4.5	50				No Indications
Stringer 1	13	36-Bottom	North	2.5	N/A	10.0	4.5	57				No Indications
Stringer 1	13	36-Top	South	2.5	N/A	10.0	4.5	45				No Indications
Stringer 1	13	36-Bottom	South	2.5	N/A	9.9	4.5	47				No Indications
Stringer 3	13	40-Top	North	3.5	8.4	12.0	3	56				No Indications
Stringer 3	13	40-Bottom	North	3.5	8.3	12.0	3	46				No Indications
Stringer 3	13	40-Top	South	3.25	8.5	12.0	3	46				No Indications
Stringer 3	13	40-Bottom	South	3.25	8.5	12.0	3	39				No Indications
Stringer 2	13	40-Top	South	3.5	8.6	12.1	3	50				No Indications
Stringer 2	13	40-Bottom	South	3.5	8.5	12.0	3	49				No Indications

Table 8: Pin Data in Span 13 at Panel Points 32, 36 and 40

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Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 2	13	40-Top	North	3.5	8.3	11.9	3	59				No Indications
Stringer 2	13	40-Bottom	North	3.5	8.4	11.9	3	53				No Indications
Stringer 1	13	40-Top	North	3.5	8.5	12.1	3	51				No Indications
Stringer 1	13	40-Bottom	North	3.5	8.5	12.0	3	48				No Indications
Stringer 1	13	40-Top	South	3.75	8.5	12.1	3	46				No Indications
Stringer 1	13	40-Bottom	South	3.75	8.5	12.0	3	51				No Indications
Stringer 3	13	46-Top	North	3.25	N/A	9.2	3	56				No Indications
Stringer 3	13	46-Bottom	North	3.25	N/A	9.2	3	58				No Indications
Stringer 3	13	46-Top	South	1.25	5.7	9.3	6	46				No Indications
Stringer 3	13	46-Bottom	South	1.25	5.7	9.3	6	50				No Indications
Stringer 2	13	46-Top	North	1.25	5.7	9.1	6	70				No Indications
Stringer 2	13	46-Bottom	North	1.25	5.7	9.2	6	58				No Indications
Stringer 2	13	46-Top	South	3.25	N/A	9.2	3	68				No Indications
Stringer 2	13	46-Bottom	South	3.25	N/A	9.1	3	70				No Indications
Stringer 1	13	46-Top	North	3.5	N/A	9.2	3	64				No Indications
Stringer 1	13	46-Bottom	North	3.25	N/A	9.2	3	56				No Indications
Stringer 1	13	46-Top	South	1.25	5.7	9.1	6	73				No Indications
Stringer 1	13	46-Bottom	South	1.25	5.7	9.2	6	67				No Indications
Stringer 3	14	50-Top	North	2.5	N/A	9.9	4.5	45				No Indications
Stringer 3	14	50-Bottom	North	2.5	N/A	10.0	4.5	45				No Indications
Stringer 3	14	50-Top	South	2.75	N/A	9.9	4.5	41				No Indications
Stringer 3	14	50-Bottom	South	2.75	N/A	9.9	4.5	54				No Indications

Table 9: Pin Data in Span 13 at Panel Points 40 and 46; Span 14 at Panel Point 50

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Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 2	14	50-Top	North	2.5	N/A	10.0	4.5	50				No Indications
Stringer 2	14	50-Bottom	North	2.5	N/A	10.0	4.5	46				No Indications
Stringer 2	14	50-Top	South	2.75	N/A	10.0	4.5	46				No Indications
Stringer 2	14	50-Bottom	South	2.5	N/A	10.0	4.5	47				No Indications
Stringer 1	14	50-Top	North	2.75	N/A	10.0	4.5	42				No Indications
Stringer 1	14	50-Bottom	North	2.75	N/A	10.0	4.5	46				No Indications
Stringer 1	14	50-Top	South	2.5	N/A	10.0	4.5	46				No Indications
Stringer 1	14	50-Bottom	South	2.5	N/A	10.0	4.5	49				No Indications

Table 10: Pin Data in Span 14 at Panel Point 50

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Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 3	14	53-Top	North	1.25	5.6	9.1	6	62				No Indications
Stringer 3	14	53-Bottom	North	1.25	5.8	9.0	6	57				No Indications
Stringer 3	14	53-Top	South	3.25	N/A	9.1	3	67				No Indications
Stringer 3	14	53-Bottom	South	3.25	N/A	9.0	3	71				No Indications
Stringer 2	14	53-Top	North	1.25	5.8	9.1	6	53				No Indications
Stringer 2	14	53-Bottom	North	1.25	5.7	9.1	6	48				No Indications
Stringer 2	14	53-Top	South	3.25	N/A	9.1	3	54				No Indications
Stringer 2	14	53-Bottom	South	3.25	N/A	9.1	3	53				No Indications
Stringer 1	14	53-Top	North	1.25	5.5	9.3	6	69				No Indications
Stringer 1	14	53-Bottom	North	1.25	5.5	9.0	6	60				No Indications
Stringer 1	14	53-Top	South	3.5	N/A	9.2	3	70				No Indications
Stringer 1	14	53-Bottom	South	3.5	N/A	9.1	3	51				No Indications
Stringer 3	14	56-Top	North	3.75	8.5	12.1	3	43				No Indications
Stringer 3	14	56-Bottom	North	3.5	8.5	12.0	3	44				No Indications
Stringer 3	14	56-Top	South	3.25	8.5	12.0	3	48				No Indications
Stringer 3	14	56-Bottom	South	3.25	8.5	12.0	3	44				No Indications
Stringer 2	14	56-Top	North	3.5	8.5	12.0	3	44				No Indications
Stringer 2	14	56-Bottom	North	3.5	8.5	12.0	3	44				No Indications
Stringer 2	14	56-Top	South	3.75	8.5	12.0	3	45				No Indications
Stringer 2	14	56-Bottom	South	3.75	8.4	12.0	3	43				No Indications
Stringer 1	14	56-Top	South	3.75	8.5	12.0	3	44				No Indications
Stringer 1	14	56-Bottom	South	3.75	8.5	12.0	3	48				No Indications

Table 11: Pin Data in Span 14 at Panel Points 53 and 56

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Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 1	14	56-Top	North	3.5	8.4	12.0	3	56				No Indications
Stringer 1	14	56-Bottom	North	3.5	8.4	12.0	3	48				No Indications
Stringer 3	14	62-Top	North	1.25	5.6	9.1	6	64				No Indications
Stringer 3	14	62-Bottom	North	1.25	5.6	9.1	6	70				No Indications
Stringer 3	14	62-Top	South	3.25	N/A	9.0	3	70				No Indications
Stringer 3	14	62-Bottom	South	3.25	N/A	9.1	3	55				No Indications
Stringer 2	14	62-Top	North	1.25	5.7	9.1	6	62				No Indications
Stringer 2	14	62-Bottom	North	1.25	5.9	9.2	6	62				No Indications
Stringer 2	14	62-Top	South	3.25	N/A	9.0	3	71				No Indications
Stringer 2	14	62-Bottom	South	3.25	N/A	9.2	3	62				No Indications
Stringer 1	14	62-Top	North	1.25	5.6	9.1	6	73				No Indications
Stringer 1	14	62-Bottom	North	1.25	5.7	9.2	6	60				No Indications
Stringer 1	14	62-Top	South	3.0	N/A	9.2	3	55				No Indications
Stringer 1	14	62-Bottom	South	3.25	N/A	9.2	3	54				No Indications
Stringer 3	15	66-Top	North	1.25	5.6	9.0	6	61				No Indications
Stringer 3	15	66-Bottom	North	1.25	5.7	9.1	6	56				No Indications
Stringer 3	15	66-Top	South	3.5	N/A	9.1	3	57				No Indications
Stringer 3	15	66-Bottom	South	3.5	N/A	9.1	3	54				No Indications
Stringer 2	15	66-Top	North	3.25	N/A	9.1	3	57				No Indications
Stringer 2	15	66-Bottom	North	3.25	N/A	9.0	3	63				No Indications
Stringer 2	15	66-Top	South	1.25	5.6	9.1	6	64				No Indications
Stringer 2	15	66-Bottom	South	1.25	5.6	9.1	6	73				No Indications

Table 12: Pin Data in Span 14 at Panel Points 56 and 62; Span 15 at Panel Point 66

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Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 1	15	66-Top	North	3.25	N/A	9.2	3	58				No Indications
Stringer 1	15	66-Bottom	North	3.25	N/A	9.1	3	53				No Indications
Stringer 1	15	66-Top	South	1.25	5.7	9.2	6	65				No Indications
Stringer 1	15	66-Bottom	South	1.25	5.6	9.1	6	64				No Indications
Stringer 3	15	68-Top	North	3.5	8.5	12.0	3	44				No Indications
Stringer 3	15	68-Bottom	North	3.5	8.5	12.0	3	45				No Indications
Stringer 3	15	68-Top	South	3.75	8.5	12.0	3	49				No Indications
Stringer 3	15	68-Bottom	South	3.5	8.5	12.0	3	46				No Indications
Stringer 2	15	68-Top	North	3.5	8.5	12.0	3	48				No Indications
Stringer 2	15	68-Bottom	NNorth	3.75	8.5	12.0	3	46				No Indications
Stringer 2	15	68-Top	South	4.0	8.5	12.0	3	52				No Indications
Stringer 2	15	68-Bottom	South	3.75	8.5	12.0	3	53				No Indications
Stringer 1	15	68-Top	North	3.75	8.5	12.0	3	46				No Indications
Stringer 1	15	68-Bottom	North	3.75	8.5	12.0	3	49				No Indications
Stringer 1	15	68-Top	South	3.75	8.5	12.0	3	51				No Indications
Stringer 1	15	68-Bottom	South	3.75	8.5	12.0	3	42				No Indications
Stringer 3	15	71-Top	North	3.25	N/A	9.0	3	58				No Indications
Stringer 3	15	71-Bottom	North	3.25	N/A	9.0	3	77				No Indications
Stringer 3	15	71-Top	South	1.25	5.7	9.0	6	63				No Indications
Stringer 3	15	71-Bottom	South	1.25	5.7	9.3	6	65				No Indications
Stringer 2	15	71-Top	South	1.25	5.6	9.0	6	59				No Indications
Stringer 2	15	71-Bottom	South	1.25	5.7	9.0	6	55				No Indications

v **Table 13:** Pin Data in Span 15 at Panel Points 66, 68 and 71

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Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
Stringer 2	15	71-Top	North	3.5	N/A	9.0	3	66				No Indications
Stringer 2	15	71-Bottom	North	3.25	N/A	9.0	3	56				No Indications
Stringer 1	15	71-Top	North	3.25	N/A	9.0	3	59				No Indications
Stringer 1	15	71-Bottom	North	3.25	N/A	9.0	3	74				No Indications
Stringer 1	15	71-Top	South	1.25	5.8	9.0	6	57				No Indications
Stringer 1	15	71-Bottom	South	1.25	5.7	9.0	6	62				No Indications

Table 14: Pin Data in Span 15 at Panel Point 71

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Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
North	14	U59	Interior Bottom	3.0	25.8	28.4	6.0	67				No Indications
North	14	U59	Interior Top	2.75	32	34.7	6.0	72				No Indications
North	14	U59	Exterior Bottom	3.0	25.5	28.3	6.0	69				No Indications
North	14	U59	Exterior Top	3.25	32.0	34.7	6.0	60				No Indications
North	13	U43	Interior Bottom	3.25	25.7	28.4	6.0	52				No Indications
North	13	U43	Interior Top	2.75	32.1	34.9	6.0	64				No Indications
North	13	U43	Exterior Bottom	2.75	25.6	28.4	6.0	60				No Indications
North	13	U43	Exterior Top	3.5	32.2	34.9	6.0	56				No Indications
North	12	U25	Interior Bottom	3.5	25.7	28.6	6.0	57				No Indications
North	12	U25	Interior Top	2.75	32.1	34.8	6.0	63				No Indications
North	12	U25	Exterior Bottom	2.75	25.7	28.6	6.0	53				No Indications
North	12	U25	Exterior Top	3.25	32.1	34.8	6.0	57				No Indications
North	12	U15	Interior Bottom	3.25	25.6	28.2	6.0	59				No Indications
North	12	U15	Interior Top	3.0	32.2	34.7	6.0	69				No Indications
North	12	U15	Exterior Bottom	2.5	25.5	28.2	6.0	58				No Indications
North	12	U15	Exterior Top	3.25	32.0	34.7	6.0	54				No Indications

Table 15: Pin Data in Spans 12-14; North Truss Upper Panel Points 15, 25, 43, and 59

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Structure #:	02899 USH 49 Bridge Helena - West Helena, Arkansas

Truss	Span	Panel Point	Face	Stick-Out (in.)	Shoulder (in.)	Back Wall (in.)	Scan Face Dia. (in.)	Ref. (dB)	Indication Depth (in.)	Clock Reading	Indication Screen Height/ Maximum Location:	Comment #
South	14	U59	Interior Bottom	3.25	25.7	28.2	6.0	57				No Indications
South	14	U59	Interior Top	3.00	32.3	34.7	6.0	66				No Indications
South	14	U59	Exterior Bottom	3.00	25.6	28.2	6.0	50				No Indications
South	14	U59	Exterior Top	2.75	32.1	34.7	6.0	60				No Indications
South	13	U43	Interior Bottom	3.25	28.3	25.6	6.0	58				No Indications
South	13	U43	Interior Top	3.00	32.1	34.8	6.0	60				No Indications
South	13	U43	Exterior Bottom	3.00	25.6	28.3	6.0	48				No Indications
South	13	U43	Exterior Top	3.75	32.1	34.74	6.0	54				No Indications
South	12	U25	Interior Bottom	3.75	25.7	28.4	6.0	58				No Indications
South	12	U25	Interior Top	2.75	32.2	34.7	6.0	66				No Indications
South	12	U25	Exterior Bottom	2.35	25.5	28.4	6.0	54				No Indications
South	12	U25	Exterior Top	3.75	32.0	34.7	6.0	66				No Indications
South	12	U15	Interior Bottom	3.25	25.7	28.7	6.0	54				No Indications
South	12	U15	Interior Top	2.25	32.1	34.8	6.0	60				No Indications
South	12	U15	Exterior Bottom	3.00	25.8	28.7	6.0	60				No Indications
South	12	U15	Exterior Top	3.25	32.2	34.8	6.0	56				No Indications

Table 16: Pin Data in Spans 12-14; South Truss Upper Panel Points 15, 25, 43, and 59

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APPENDIX C

PHOTOGRAPHS

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Photo 1: Typical Style of Pins Located at Panel Points 8, 12, 15, 18, 22, 46, 53, 62, 66, and 71.
See **Photo 2** for the Opposite Side of Same Pin.

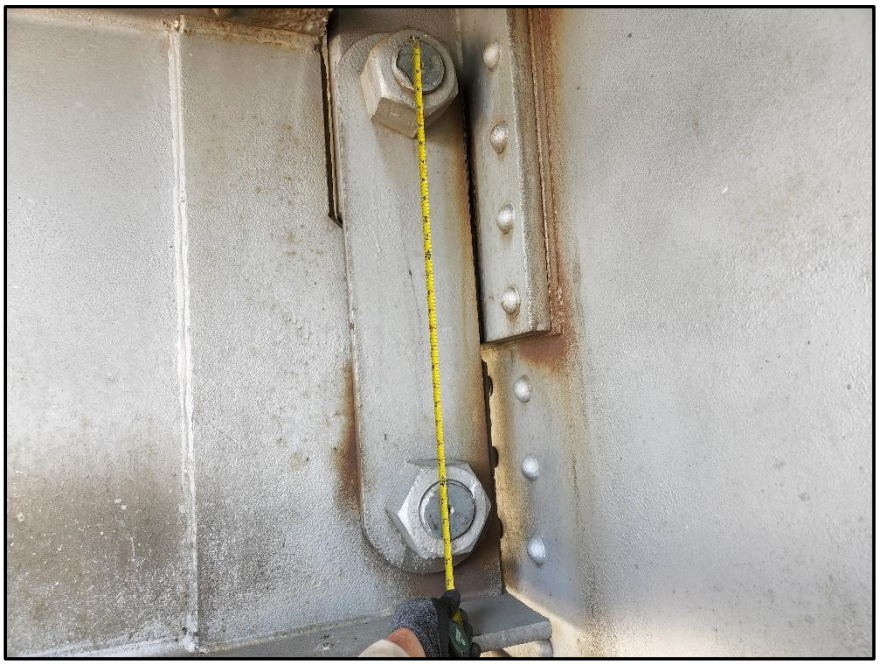

Photo 2: Typical Style of Pins Located at Panel Points 8, 12, 15, 18, 22, 46, 53, 62, 66, and 71.
See **Photo 1** for the Opposite Side of Same Pin

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Photo 3: Typical Pin Style at Panel Points 3, 6, 28, 32, 36, and 50. Opposite side of pin has same configuration.

Photo 4: Typical Pin Style (with 3-Inch Pin End) at Panel Points 40, 56, and 68

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Photo 5: Typical Pin Style in Spans 7 and 19.

Photo 6: Typical Pin Style at Upper Truss Connection Pins at U15, U25, U43 and U59.

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Photo 7: Typical configuration of upper pin connections on truss.

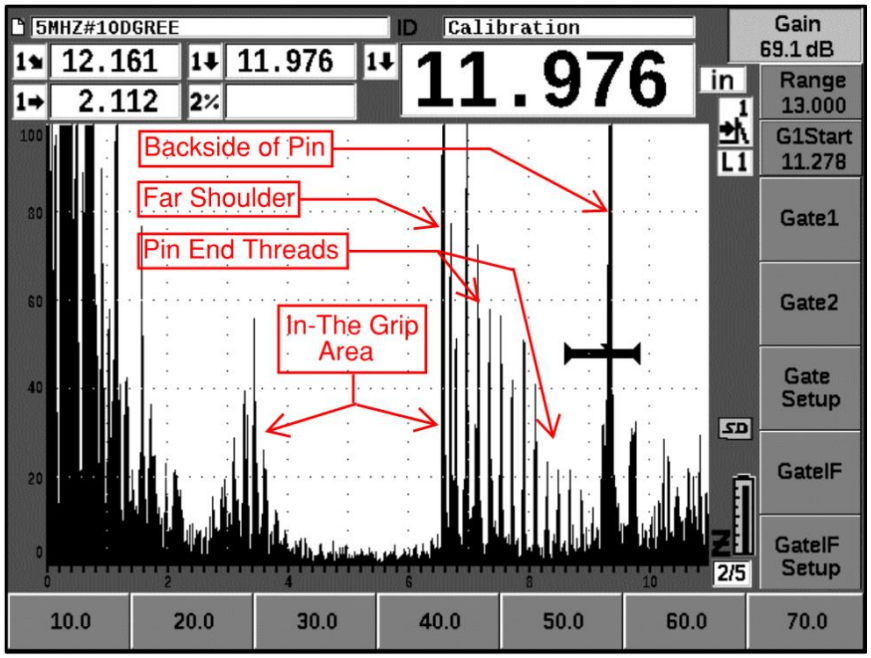

Photo 8: Typical UT Instrument Screen Shot with Notes.

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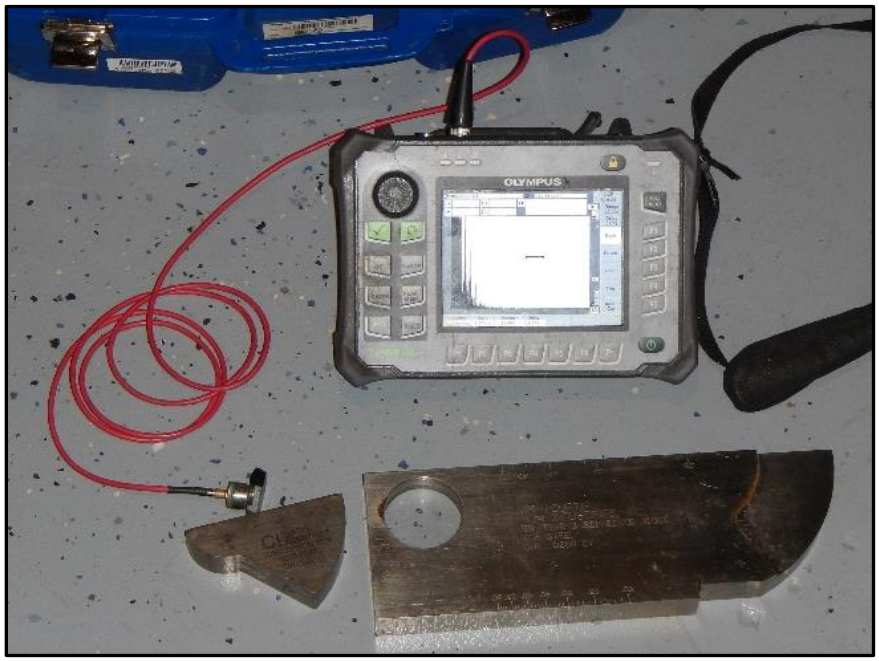

Photo 9: Ultrasonic Testing System Including Instrument, Transducer, and Calibration Blocks

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APPENDIX D

BRIDGE PIN ILLUSTRATIONS

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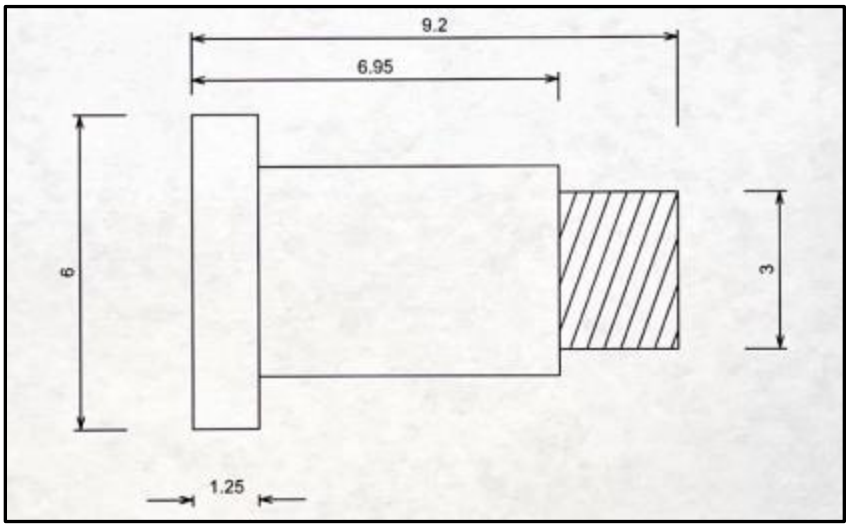

Illustration 1: Typical Style of Pins Located at Panel Points 8, 12, 15, 18, 22, 46, 53, 62, 66, and 71.

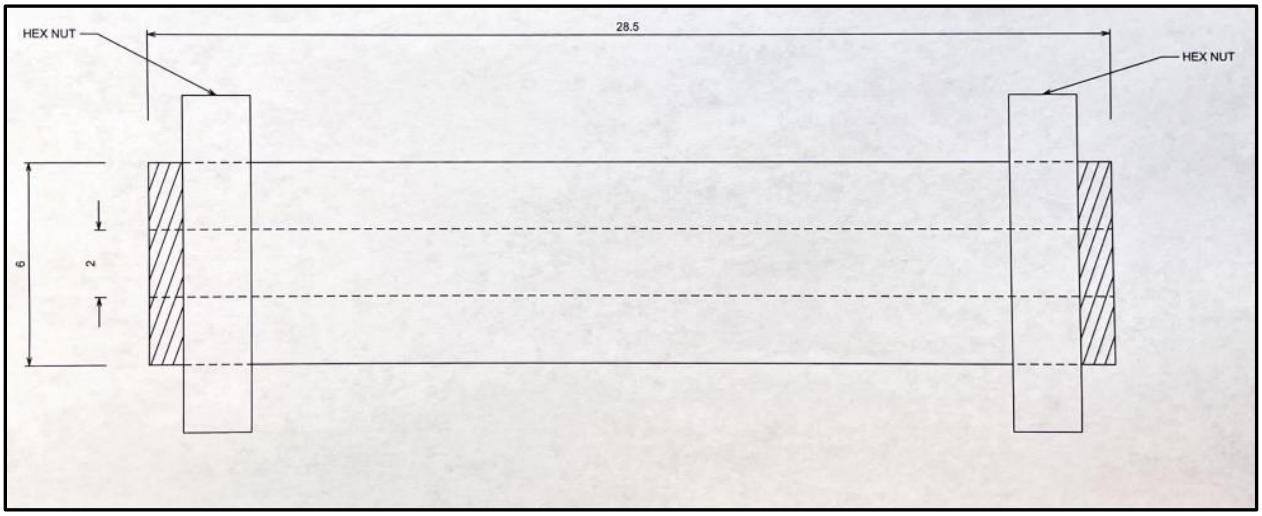

Illustration 2: Typical Pin Style at Upper Truss Connection Pins at U15, U25, U43 and U59.

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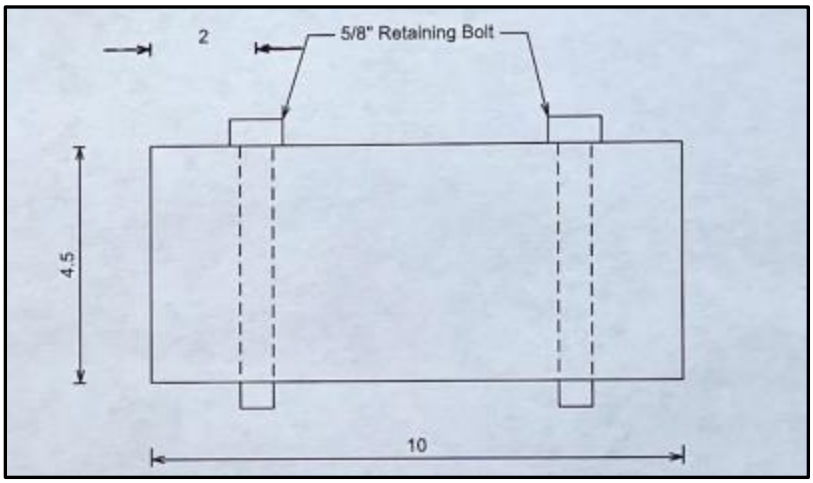

Illustration 3: Typical Pin Style at Panel Points 3, 6, 28, 32, 36, and 50.

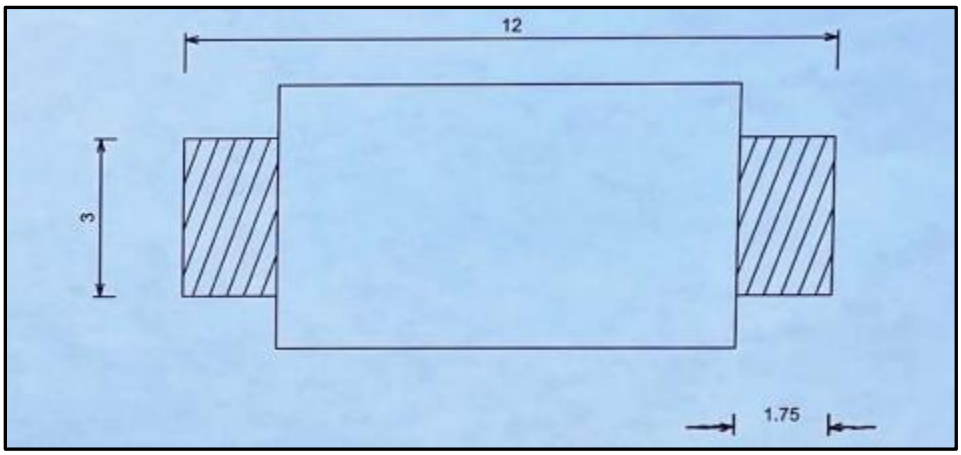

Illustration 4: Typical Pin Style (with 3-Inch Pin End) at Panel Points 40, 56, and 68

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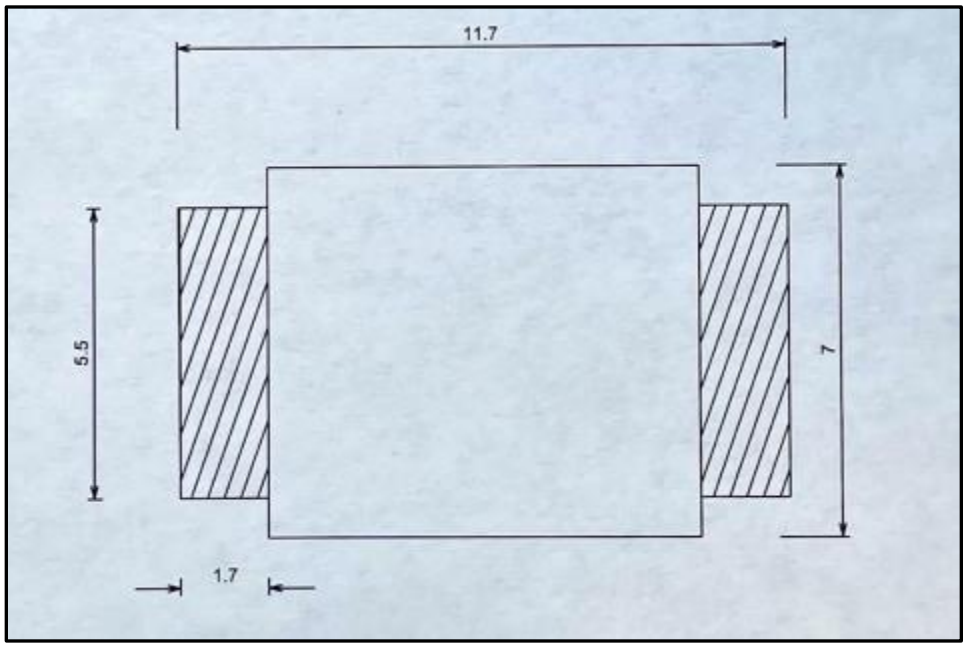

Illustration 4: Typical Pin Style in Spans 7 and 19.

APPENDIX H: DAILY LOG OF ACTIVITIES

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 0 **Date:** Sunday 05/01/2022 **Weather:** Overcast	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan	• Travel Day • Mobilize in Helena, AR • People arriving early to late afternoon.
Day: 1 **Date:** Monday 05/02/2022 **Weather:** Partly Cloudy Temperatures in the mid to high 70s.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan 10. Gustin Cleary	• Canceled first inspection day on Friday 04/29/2022 due to high rain chance. • Small group visited bridge at 7:30AM on ground to familiarize. • Team coordination meeting and game plan starting at 10:30AM (discussed notation, team assignments, bridge components, known deficiencies, etc.). • Cleary (UAS/RA Team) arrived with rope truck at 4:00PM.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 2 **Date:** Tuesday 05/03/2022 **Weather:** Partly Cloudy Temperatures in the mid-70s a high of 79.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan 10. Gustin Cleary 11. Brian Gutzwiller	• Team gathered outside hotel at 7:30AM to depart for bridge. Arrived at Isle of Capri Casino side lot to stage, along with manlifts and UBITs. • MOT scheduled to be set at 8:00AM, but running late, MOT set around 9:00AM. • Lifts operating by 9:45AM. • Yellow UBIT (Parten/Baker) malfunctioned (self-leveling sensor did not work). • Harper marked all truss panel points on deck, as well as all accessible pier locations within limits of MOT. • Around 4:00PM, a car wrecked and caught fire off the west bridge end. Fire & police responded (no injuries reported). • Car removal and cleanup was complete by 4:45PM. • Team assembled at east bridge end parking lot and departed by 5:00PM. • Moving to hotel in Clarksdale, MS.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 3 **Date:** Wednesday 05/04/2022 **Weather:** Clear Temperatures in the low to mid-70s.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan 10. Gustin Cleary 11. Brian Gutzwiller	• Left hotel at 7:00 AM, arrived at casino lot to stage at 7:40AM. • Traffic control operating at 8:10AM. • 1st UBIT (Pink) and 1st manlift on the bridge at 8:20AM. • Yellow UBIT still not working, part was sent via Fedex overnight for repair. • Wide load (16' wide) came through around 10:00AM (agricultural equipment), disruption to work (had to move all equipment up against bridge rail to clear). • 2nd wide load (14' wide) came through around 11:45AM. • Spoke with Canon Calicott & Andy Nanneman, 20 permits were accidentally issued over the next 3 weeks during inspection. • Yellow UBIT was repaired and arrived on Bridge at 12:30PM (starting at Pier 15 and working west). • Inspection work proceeded until 4:15PM UBIT left the bridge and the 1st manlift was loaded by 4:30PM. 2nd manlift taken by 5:25PM and traffic control began picking up cones to reopen the bridge. • Lift inspection of downstream truss members complete.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 4 **Date:** Thursday 05/05/2022 **Weather:** Cloudy with wind speed up to 25mph, turned to thunderstorm at 2:00PM.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan 10. Gustin Cleary 11. Brian Gutzwiller	• Left hotel at 7:05AM, arrived at casino lot to stage at 7:35AM. • MOT setup at 8:15AM and team/equipment immediately loaded on the bridge to begin inspection. • MOT closed WB/NB lane (upstream) with TMA located on east end of truss. • 1st manlift unloaded at 8:45AM, 2nd manlift unloaded at 9:15AM. • At 1:55PM lightning was spotted. Made call to end inspection and return to deck. Called manlift hauler for pickup (arrived at the bridge at 2:05PM). • Heavy rain and hail started at 2:30PM and lasted about 15 minutes. • All equipment off the bridge by 3:05PM and MOT began picking up.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 5 **Date:** Friday 05/06/2022 **Weather:** Cloudy with wind speed up to 19mph. Temperature in the mid-70s	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan 10. Gustin Cleary 11. Brian Gutzwiller	• Team arrived at casino lot to stage at 7:45AM. • New MOT team. MOT operational at 8:50AM. Inspection team, manlifts, and UBITs began loading the Bridge. • MOT closed WB/NB lane (upstream) with TMA located on east end of truss. • At about 3:00PM Harper/Baker's manlift malfunctioned and threw a code. We brought machine to the deck and called the Sunbelt rep who called a technician. • At 3:45PM, Morgan radioed that he had discovered a surface-breaking indication in the lower chord top plate located in the upstream truss, just east of PP16. Morgan evaluated it using mag. particle and it appeared to be about 4" long. • After the indication was properly documented, Harper emailed the information and photos to Andy Nanneman (ARDOT HBM). During a follow-up phone call, Nanneman agreed it was a critical finding, and he planned to schedule an immediate visit by maintenance crews to arrest the crack. • Inspection crews and equipment were off the bridge at 4:50PM and MOT began to pick up.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 6 **Date:** Saturday 05/07/2022 **Weather:** Clear and sunny with a light wind. Temperatures in the mid-60s early to 70s.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Tim Newgard 7. Jonathan Parten 8. Brett Mattas 9. Jared Grogan 10. Gustin Cleary	• Left hotel around 7:10AM. Team arrived at casino lot at 7:40AM. • MOT set up and operational at 8:30AM. • Team, pink UBIT, & 1st manlift entered bridge at 8:40AM. Yellow UBIT loaded onto bridge at 8:50AM. • Newgard departed early afternoon and will be replaced by VanDehey on Sunday. • The manlift teams completed all portions of the upper truss within their reach, they then moved down to the east and west approaches to begin work. • Teams stopped inspection work at 4:00PM and left site at 4:15PM. • Harper notified MOT that we were done for the day.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 7 **Date:** Sunday 05/08/2022 **Weather:** Clear and sunny. Temperatures 60s early to the upper 70s.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Jonathan Parten 7. Brett Mattas 8. Jared Grogan 9. Gustin Cleary 10. Jayci VanDehey	• Half Day • Left hotel at 8:05AM. Team arrived at casino lot at 8:35AM. MOT cones were in place and workers were present when we arrived. • Armendariz/Land started work immediately on the east approach spans using the manlift underneath. • The pink and yellow UBITs loaded the bridge at 9:20AM to resume truss floor system inspection. • Planning to work until 1:00PM today. • Grogan/Baker inspecting west approach spans underside using manlift from ground. • Finished inspection for the day at 1:00PM. • UBITs and team departed the bridge and MOT started wrapping up at 1:15PM. • Carter Bohn (Fickett Structural Solutions) arrived in the evening. Will be performing UT on pins.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 8 **Date:** Monday 05/09/2022 **Weather:** Cloudy early, then sunny. Temperature mid 70s early to high 90.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Jonathan Parten 7. Brett Mattas 8. Jared Grogan 9. Gustin Cleary 10. Jayci VanDehey 11. Carter Bohn (Fickett) 12. ARDOT HBM	• Team left hotel at 7:10AM and arrived at the bridge at 7:40AM. • MOT team was present and warning signs were in place when arrived. They were about to start setting up cones. MOT fully operational at 8:20AM. • UBITs loaded the bridge at 8:20AM. • Bohn performed UT on the pins in the west approach spans (2-girder systems) as well as the east approach spans. • ARDOT HBM crews on-site around 1:00PM to arrest crack near PP16. • ARDOT planning to keep MOT going until 6:30PM to address the broken rivets at PP62. Decided to wait for ARDOT's equipment to arrive tomorrow to complete work. • Inspection team stopped at 4:00PM. Equipment off the bridge by 4:30PM and MOT began picking up.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 9 **Date:** Tuesday 05/10/2022 **Weather:** Clear and sunny. Temperature 60s early to the upper 70s.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Jonathan Parten 7. Brett Mattas 8. Jared Grogan 9. Gustin Cleary 10. Jayci VanDehey 11. Carter Bohn (Fickett) 12. Krista Stippelmans 13. Joe Brach 14. Andy Kubic 15. Luis Manrique 16. Geoff Fowler 17. ARDOT HBM	• Team left hotel at 7:05AM and arrived at the casino lot at 7:35AM • MOT was not on-site. Called Garin Swain (STC) to find out their location. Reportedly had flat tire. • MOT crew arrived at 8:05AM and began setting up. MOT operational at 8:30AM and equipment and team loaded onto the bridge. • Armendariz/Land inspecting east approach spans with manlift. • Grogan/Bohn inspecting/performing UT on primary pins in the upstream truss. • Morgan and Parten's teams continuing to inspect floor system with UBITs. • ARDOT crews on-site to perform repairs to stringer connection at PP62 (Stringer 1). • At 9:45AM, Armendariz/Land got the manlift stuck inspecting the east approach spans. Attempted multiple times to get unstuck. Had to call Moon's Wrecker Service, Wrecker got us out at 1:15PM. • Bohn completed UT of primary pins in the upstream truss, then proceeded to work on the stringer pins with Morgan. • Grogan/VanDehey moved their 80' manlift to continue work on the west approaches. • UBITs were completed with work at 4:00PM and departed the bridge. Rope access team finished inspection of Pier 12 and departed at 4:30PM. • Harper and Baker confirmed everything was off the bridge and told MOT to wrap up at 4:35PM.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 10 **Date:** Wednesday 05/11/2022 **Weather:** Clear Temperature 70s early to low 90s.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Rocky Armendariz 6. Jonathan Parten 7. Brett Mattas 8. Jared Grogan 9. Gustin Cleary 10. Jayci VanDehey 11. Carter Bohn (Fickett) 12. Krista Stippelmans 13. Joe Brach 14. Andy Kubic 15. Luis Manrique 16. Christopher Princiotta 17. ARDOT HBM 18. MDOT Maintenance	• Team left hotel at 7:05AM and arrived at the casino lot at 7:35AM. • MOT team was present & cones were up when we arrived. Some cones were out of place – MOT fixed them. • MOT functioning at 8:15AM. • Team & Equipment immediately loaded the bridge. • Armendariz/Bohn testing primary pins in the downstream truss. • Grogan/Baker inspecting west approach spans using the 135' manlift (delivered yesterday by Sunbelt as a replacement). • Rope Access team inspecting panel points around Pier 13. • Around 1:45PM, Parten/Mattas discovered a critical finding in the lower chord of the downstream truss, approx. 3' west of PP41. Discovered multiple holes and section loss in the top plate at multiple location around the box. Called and reported the finding to Andy Nanneman (ARDOT HBM), then followed up with an email with sketch and photos. ARDOT reported that they intend to plate the defect. • ARDOT HBM on-site today to complete the stringer connection repair at PP62 and finish drilling arrester holes in lower chord of the upstream truss just east of PP16. • MDOT maintenance crews on-site clearing brush/vines around Piers 16-19 on the east approach. • Morgan/VanDehey and Parten/Mattas continuing floor system inspection using UBITs. • Morgan/Bohn continued stringer pin testing in the afternoon. • Grogan/Baker completed west approach spans. • Stopped inspection at 4:20PM and MOT began picking up.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 11 **Date:** Thursday 05/12/2022 **Weather:** Clear and sunny. Temperature upper 70s early, high of 95.	1. Fred Harper 2. Megan Land 3. Ethan Baker 4. Dennis Morgan 5. Jonathan Parten 6. Brett Mattas 7. Jared Grogan 8. Gustin Cleary 9. Jayci VanDehey 10. Carter Bohn (Fickett) 11. Krista Stippelmans 12. Joe Brach 13. Andy Kubic 14. Luis Manrique 15. Christopher Princiotta	• Left hotel at 7:10AM and arrived at the bridge at 7:40AM. • MOT team and cones were present when we arrived. MOT started delayed because TMA had to go refuel. • Morgan/Bohn continuing testing of stringer pins. • Parten/Mattas finished truss floor system inspection. • Pink snooper running a little late due to tire repair. • MOT functional at 8:30AM. • Inspection team and equipment loaded the bridge at 8:40AM. • UBITs only on bridge today (Manlifts complete yesterday). • Rope access team covering panel points around Piers 11 & 12. • Inspection finished at 3:50PM and team/equipment exited bridge at 4:00PM. • Harper informed MOT that we were complete for the day.

HWY. 49 MISSISSIPPI RIVER BRIDGE INSPECTION JOB 110812
DAILY LOG
(MICHAEL BAKER INTERNATIONAL)

DAILY INFORMATION	PERSONNEL ON-SITE	WORK PERFORMED
Day: 12 **Date:** Friday 05/13/2022 **Weather:** Cloudy, storms around 1:30PM. Temperature low 70s early, high mid-80s.	1. Fred Harper 2. Dennis Morgan 3. Jonathan Parten 4. Brett Mattas 5. Carter Bohn (Fickett)	• Derrick with STC called me at 6:30AM to inform me they were stuck in traffic and would be late due to an accident in Memphis. • Team left hotel at 8:00AM and arrived at the bridge at 8:30AM. MOT team had just arrived, and no cones were in place. • MOT operational at 9:15AM and team and UBITs loaded the bridge. • Parten/Mattas completed east approach spans and Morgan/Bohn completed the stringer pin testing. • Inspection complete (entire bridge). • Team and equipment left bridge at 1:20PM and MOT began to pick up. • Entire team departing the job and returning home.