FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

KENTUCKY DEPARTMENT OF HIGHWAYS
WHITLEY COUNTY
COVINGTON-LEXINGTON-TENN. STATE LINE
I-75 (S. B.) OVER LYNN CAMP CREEK

REFERENCE AND ESTIMATE OF QUANTITIES

ITEM / LOCATION	SHEET NO.	CONCRETE CU. YD. CLASS 'A'	CONCRETE CU. YD. CLASS 'AA'	REINF. STEEL LB.	STR. EXC. CU. YD. COM.	STR. EXC. CU. YD. S.R.	END BENT BACKFILL CU. YD.	HIGH STRENGTH HANDRAIL LIN. FT.	STRUCTURAL STEEL LUMP SUM BID (1)	LIN SEED OIL PROT. COATING SQ. YD.	STEEL PILES 12 BP 53 LIN. FT. FURN.	STEEL PILES 12 BP 53 LIN. FT. DRIVE	6" ØW.I. PIPE LIN. FT.
QUANTITIES	1												
NOTES	2												
LAYOUT	3				~14,751								
SOUNDINGS	4				14,477								
PILE RECORD	5												
ABUTMENT 1	6,7,8,9	51.4	42.6	14274	150	140							
END BENT 2	7,8,9	58.6	22.2	(17707)	160		30				990	990	
PIER 1	10,11,12	317.5	627.9	(62069)	385	170							
PIER 2	11,12	551.6	653.6	66626	200	95							
SUPERSTRUCTURE	13-17		358.5	115859				1044	(1)	2300			(105) 112
ELEVATIONS	18, 19												
					157,120								
					(157049)								
					155,645								
SUPERSTRUCTURE TOTALS			358.5	115859				1044	(1)	2300			(105) 112
SUBSTRUCTURE TOTALS		1173.1	84.8	(53071)	835	405	30				990	990	
TOTALS		1173.1	643.3	(271730)	835	405	30	1044	(1)	2300	990	990	(105) 112

(1) Approximate weight of Structural Steel is 502,200 LBS. (272903) 272,979

(271,505)

BILL OF INCIDENTAL MATERIAL

ITEM	NO.	SIZE & LOCATION
Joint Sealing Comp.	2	1"x3"x3'-6" @ Exp. Dams

NOTE –
Quantities shown in Bill of Incidental Material are approximate only and the Contractor is responsible for furnishing enough material to complete the work in accordance with plans and specifications.

STANDARD DRAWINGS

AE1, H150B, H115D, SF2A, P17. AWS1C

Special Provisions:
#12 - Joint Sealing Compound.
#8 - Linseed Oil Protective Coating.
#9 - High Strength Cast Aluminum Bridge Railing Post.
#35 - Class 'AA' Concrete.

PLAN BY: ODELL, WRIGHT, MORGAN AND BROWN INC.

Sent Quantity to Est. Book 2 Feb. 20, 1962 DES
Quantity of Str. Exc. Pdd. Jan. 22, 1962
Revised Quantity Str. Exc. Pdd. Jan. 22, 1962 PW

I-75 S.B. OVER LYNN CAMP CREEK SHEET 1 OF 10

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO. SP116-350 I-75-2(2)25

BRIDGE NUMBER	DRAWING NO.	DATE
I75-2(13)25	16849	

DESIGNED BY	CHECKED BY	DATE	REVISED DATE
DETAILED BY JSM	CHECKED BY CEL	DATE	REVISED DATE
TRACED BY	CHECKED BY	DATE	REVISED DATE

GENERAL NOTES

SPECIFICATIONS : Kentucky Department of Highways, Standard Specifications, current edition with revisions.

DESIGN LOAD : Bridge designed for H S20-44 and Alternate loading as specified in 1961 AASHO Specifications.

DESIGN STRESSES :

For Class 'AA' Reinforced Concrete	For Class 'A' Reinforced Concrete	For Structural Steel
f_s = 20,000 psi	f_s = 20,000 psi	f_s = 20,000 psi for A36 Steel
f_c = 1,600 psi	f_c = 1,200 psi	
μ = 200 psi for embedment	μ = 200 psi for embedment	
μ = 300 psi for Σ_o	μ = 300 psi for Σ_o	
f'_c = 4,000 psi	f'_c = 3,000 psi	
n = 8	n = 10	

FOUNDATION PRESSURE : Footings are designed for a maximum pressure of 3,000 psf (Abut. 1), 13,500 psf (Pier 1), 3,700 psf (Pier 2). The computed maximum axial thrust is 33 tons per pile. The computed maximum design horizontal sheer is 0.4 tons per pile (exclusive of the horizontal component of the axial thrust). These maximums are for Group I loading with increases allowed for other loading groups.

CONCRETE : Class 'A' concrete is to be used throughout except in superstructure, portions of abutments above the construction joint at bridge seat elevations and concrete handrail.
Class 'AA' concrete is to be used in roadway slab, curbs, plinths, and in abutments above the construction joint at bridge seat elevations.
Class 'D' concrete is to be used in concrete handrail.

REINFORCEMENT : Dimensions shown from face of concrete to bars are clear distances. Spacing of bars is from center to center of bars.

BEVELED EDGES : All exposed edges shall be beveled ¾", unless otherwise noted.

JOINT SEALING COMPOUND : The cost of this item is to be included in the unit price bid for Class 'AA' concrete.

STRUCTURAL STEEL : Lump Sum Bid" for structural steel shall be full payment for all structural steel, rivets, bolts, washers, steel pins, lead plates, molten lead, welding and welding materials, floor drains, paint, linen tracings of shop detail and erection drawings, and all labor and materials necessary to erect the steel in accordance with the plans and specifications.

PILING : Piling shall be driven to refusal or to solid rock. Test piles shall be driven where designated on the plans to determine the length required. All test piles shall be accurately located so that they may be used in the finished structure.

PILES : The contractor shall use throughout : 12BP53 Steel Piles in accordance with Std. Dwg. P-17.

PAINT : All structural steel except pins and pin bearing surfaces shall be given one shop coat and one field coat of type 1 red lead paint and two field coats of aluminum paint. Exposed surfaces of expansion dams, not accesible after erection, shall be given two field coats of aluminum paint before erection. Pins and pin bearing surfaces shall be coated in the shop with a hot mixture of white lead and tallow in accordance with the specifications. Shop paint shall not be applied within 3" of open holes where high strength bolts are to be used for field connections and shall not be applied to steel surfaces in contact with concrete.

MATERIALS : ASTM Specifications herein after designated shall govern the materials furnished.

Material	A.S.T.M. Designation
Structural Steel	A36 - Current
High Strength Bolts, Nuts, & Plain Hardened Washers.	A325 - "
Low Carbon Steel Machine Bolts & Nuts	A307 - "
Structural Rivet Steel	A141 - "
Mild Steel Arc Welding Electrodes	A233 - "
Gray Iron Castings	A48 - "
Welded Wrought Iron Pipe	A72 - "
Sheet Lead and Pig Lead	B29 - "

CONNECTIONS : Unless otherwise provided, shop and field connections shall be ⅞" diameter rivets or high strength bolts. Open holes shall be 15/16" diameter for ⅞" diameter bolts.

MILL TEST REPORTS : Notarized test reports in triplicate shall be furnished the Kentucky Department of Highways showing that all materials furnished conform to the specifications.

STEEL FINISH : Steel bearing surfaces in contact shall be finished in accordance with the current specifications.

DIMENSIONS : Dimensions are for a normal temperature of 60 degrees Fahrenheit. Layout dimensions are horizontal measurement.

PROHIBITED FIELD WELDING : Except as shown on the plans, no welding of any nature shall be performed on the load carrying members of the bridge without written consent of the Director, Division of Bridges, or his authorized representative, and then only in the manner and at the locations designated in the authorization.

SHOP ASSEMBLY AND REAMING : General reaming of holes for each field splice shall be required with all parts for each splice completely shop assembled with parts adjusted to lines and camber, fit for drilling or reaming. This applies to field splices in girders only. Girders shall remain assembled for inspection by the Department of Highways Inspector and are to be match-marked while assembled. Other field connections shall be drilled or reamed in the shop with connecting parts assembled, or shall be drilled or reamed to a metal template without assembly.

CHANGES IN STRUCTURAL STEEL QUANTITIES : In the event that changes in steel quantities are required due to changes by the Engineer in plans, additional payments therefor shall be made at a unit price which will be equal to the contract lump sum price divided by the estimated total weight.

HIGH STRENGTH BOLTS : Connections using high strength bolts shall be in accordance with the Specifications. Assembly and dimensions of high strength steel bolts, nuts and washers shall conform to Specifications for Structural Joints using A.S.T.M. A325 Bolts," March, 1960, approved by the Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation. All joints are designed as friction-type connections. Installation shall be performed by turn-of-nut method. When the width of high-strength bolt heads corresponds to that of the heavy semifinished hexagon bolt only one washer per bolt is required.

WIND LOADS : This structure is designed using wind loads based on wind velocity of 84 m.p.h.

OPTIONAL TYPES OF HANDRAIL : The contractor shall provide throughout the project at his option, either Standard High Strength Aluminum Handrail in accordance with Std. Dwg. H115 or Standard High Strength Concrete Handrail in accordance with Std. Dwg H150.

LINSEED OIL PROTECTIVE COATING : JOINT SEALING COMPOUND : These items are to be furnished and applied in accordance with their respective special provisions.

SHOP DETAIL DRAWINGS : The contractor shall submit shop detail drawings of all structural steel to the Director of Bridges for approval in accordance with the specifications. A set of linen tracings of approved shop details shall become the property of the Department of Highways when the Contract is completed and before final payment is made. No direct payment shall be made for record drawings, but the cost shall be included in the Lump Sum Bid" for Structural Steel. Any material ordered or work done by the Contractor before the shop drawings, including the welding procedures, are approved, shall be at his risk. Qualification tests of all welding procedures shall be completed by the Contractor and approved by the Engineer prior to the final approval of shop drawings and start of the fabrication.

ADDITIONAL FIELD SPLICES : If additional field splices are permitted, they shall be at the Contractor's expense and shall be included in the "Lump Sum Bid" for Structural Steel.

FIELD WELDING : Where field welding is indicated, welding shall be performed in accordance with the Specifications for welding materials and welding. Welding procedures shall be submitted by the erector to the Department of Highways for approval.

CONSTRUCTION IDENTIFICATION : The names of the prime contractor and the sub-contractor shall be imprinted in the concrete with one inch letters at a location designated by the Engineer. The contractor shall furnish all plans, equipment and labor necessary to do the work for which no direct payment will be made.

PLAN ELEVATIONS FOR FOOTINGS : When suitable rock is encountered at datum elevation higher than plan elevation, the higher elevations may be utilized as outlined in the Specifications.

CAMBER: Web plates shall be cut to provide for parabolic camber of the girder. Girder is to be fabricated so that top and bottom of web plate will be parallel to roadway grade with full dead load in place. Girders which do not conform to plan camber and grade in the erected position shall be considered as requiring, at no additional cost to the state, either an adjustment in depth of the concrete slab haunch over the steel supporting members or a reworking of the girder camber to meet the plan grade and slab thickness.

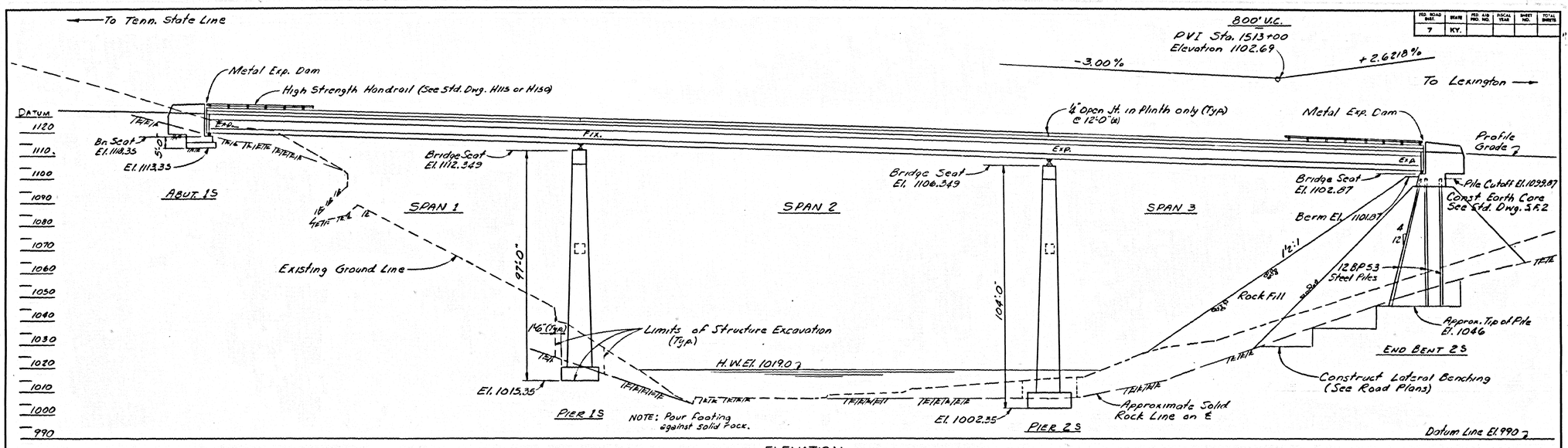
NOTES

I-75 S.B. OVER LYNN CAMP CREEK SHEET 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE

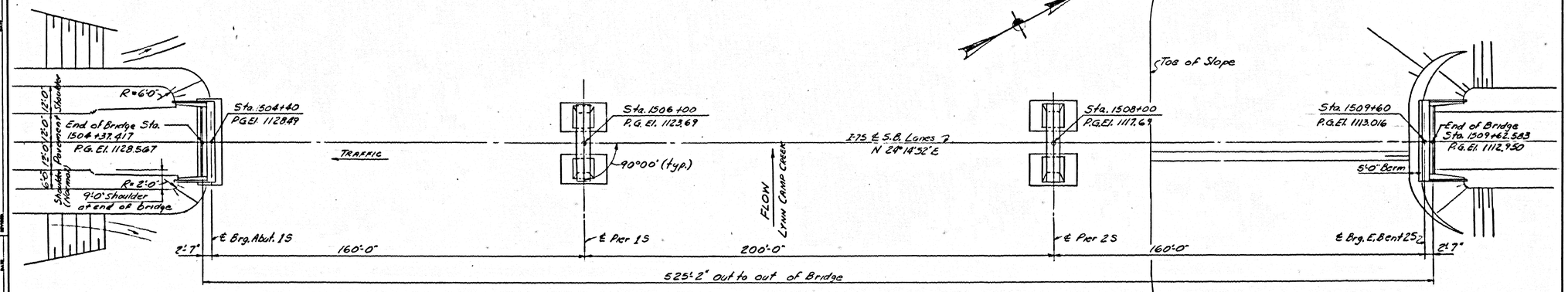
STATION 1507+00.00 ROAD
BRIDGE NUMBER PROJECT NO.
DRAWING NO. 16849
SHEET NO. 7

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



ELEVATION

160'-200'-160' Continuous Welded Plate Girder Spans
30'-0" Roadway — HS 20-44 & Alternate Loading
No Skew — 45 Ft. Shoulders
2 - 1'-6" Safety Curbs



NOTE: Special Ditch, Each Side. See Roadway Plans.

PLAN
(Deck Removed)

LAYOUT

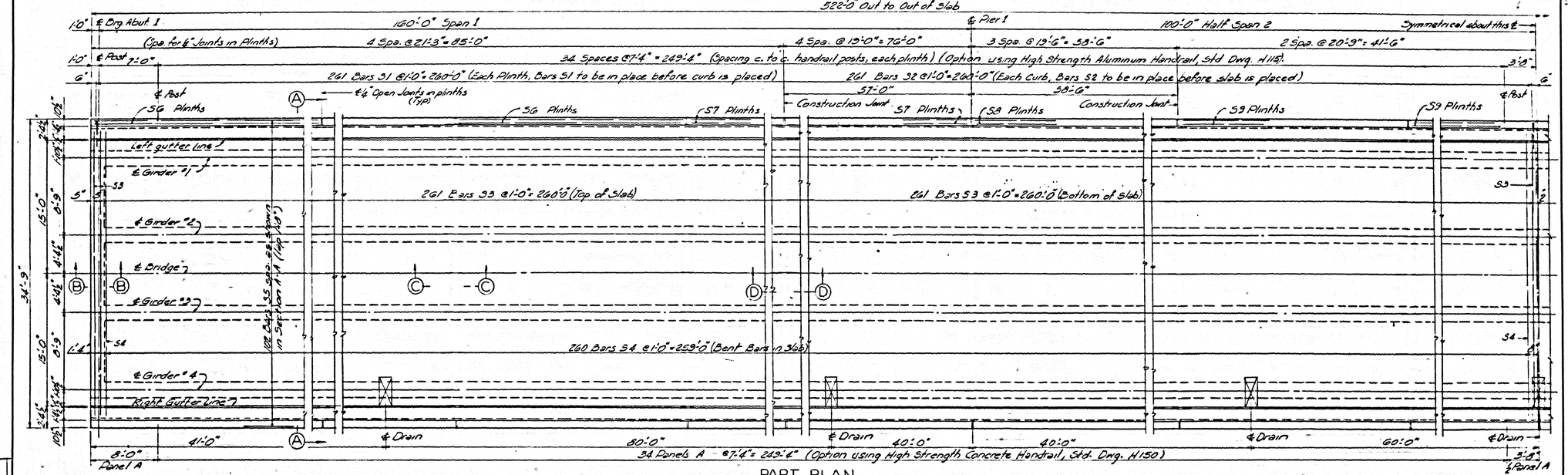
I-75 S.B. OVER LYNN CAMP CREEK SHEET 3

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. ST. LINE
ROAD
STATION 1507+00.00 PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	SHEET
	16849	

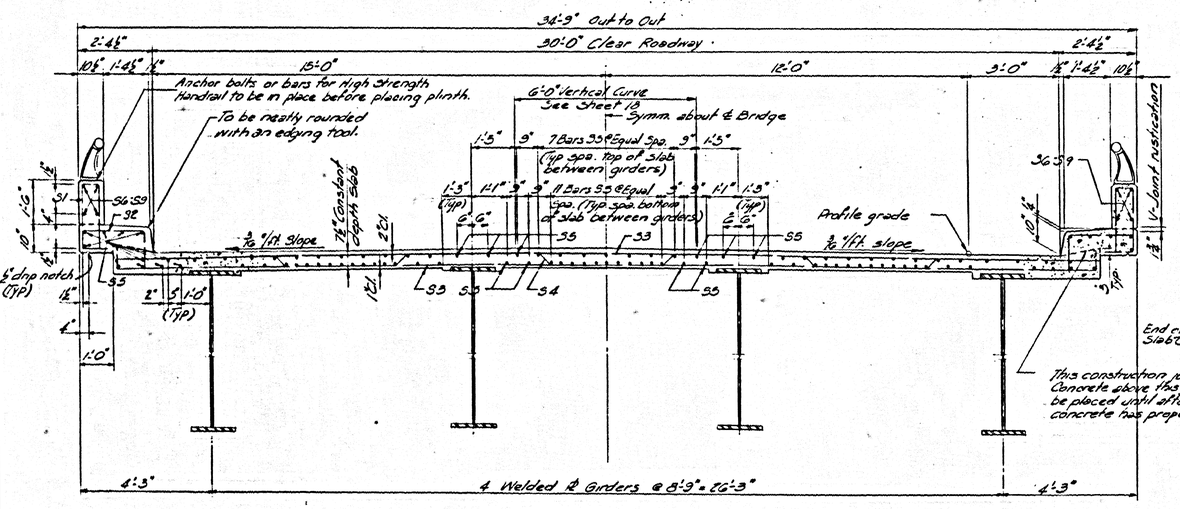
DESIGNED BY RGW DRAWN BY RGW CHECKED BY DLB CHECKED BY
QUANT. BY QUANT. CHECKED BY
TRACED BY CHECKED BY
Structure Excavation Limits ADM. Jan. 6, 1967

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

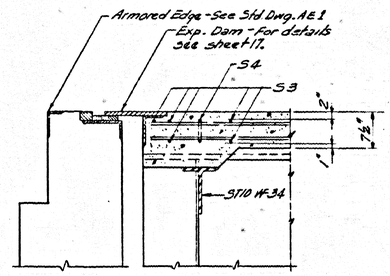


PART PLAN

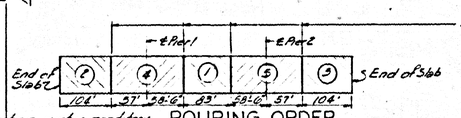
(Drains spacing is typical for each curb)



SECTION A-A



SECTION B-B



This construction joint is mandatory. Concrete above this joint shall not be placed until after the deck concrete has properly cured.

POURING ORDER

NOTE: The pouring sequence of the slab may be changed with the written approval of the Engineer.

ESTIMATE OF QUANTITIES

Concrete, Class 'AA' 558.5 Cu. Yd.
Reinforcement 115859. Lb.

NOTE: For Bill of Reinforcement see sheet 17

SUPERSTRUCTURE

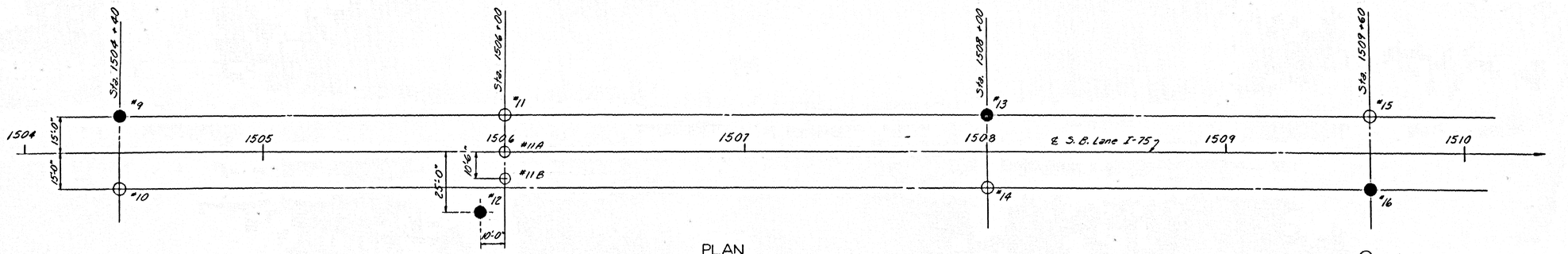
I 75 SB. OVER LYNN CAMP CREEK SHEET 12

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507 + 00.00 PROJECT NO.
BRIDGE NUMBER 16849

DESIGNED BY ZH DATE 10-64
DETAILED BY JEO DATE 11-64
CHECKED BY JEO DATE
TRACED BY CEO CHECKED BY

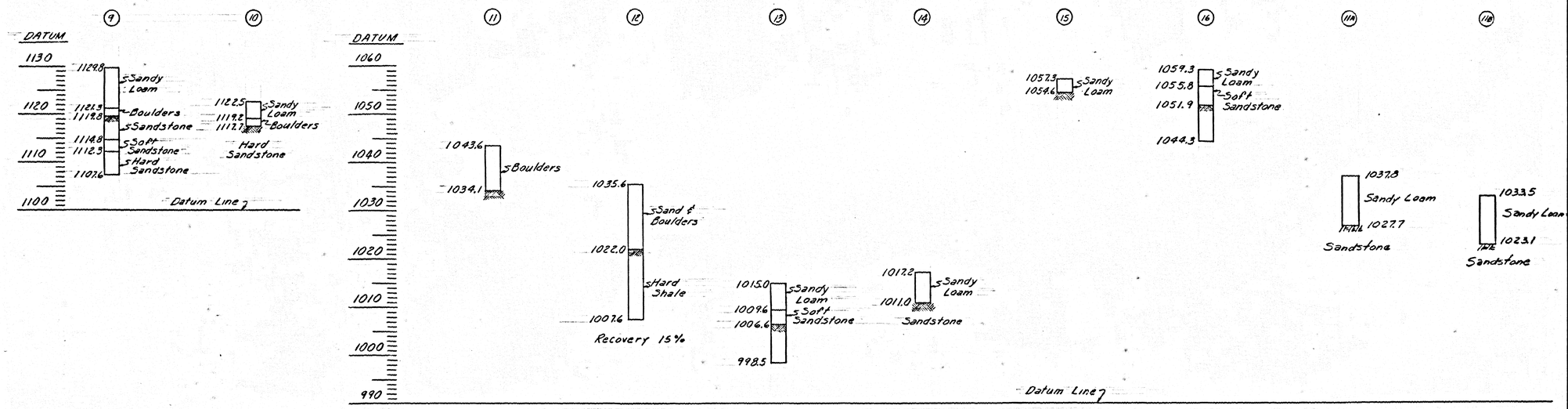
BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.	-			



PLAN

○ Indicates Sounding to Solid Rock
● Indicates Core into Solid Rock



SOUNDING LOG

I-75 (S.B.) OVER LYNN CAMP CREEK SHEET 4

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD

STATION 1507+00.00 PROJECT NO.

BRIDGE NUMBER	DRAWING NO. 16849	SHEET

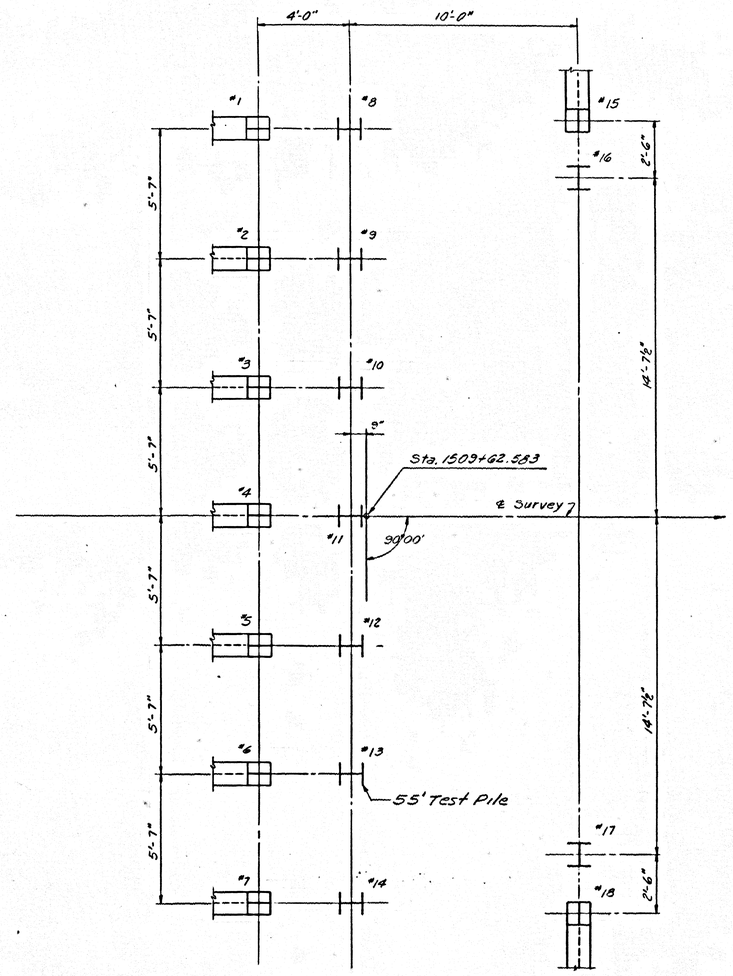
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

PILE RECORD

Location	Pile No.	Cutoff Elev. Shown	Tip of Pile Elevation as driven	Pile Length in place (Lin. Ft.)	Calculated Bearing Capacity (Tons)
End Bent 2	1	1099.87	1058.94	43.14	REF.
"	2	"	1053.64	48.73	199
"	3	"	1046.92	55.81	Ref.
"	4	"	1050.50	52.04	199
"	5	"	1051.28	51.22	199
"	6	"	1053.92	43.16	199
"	7	"	1056.53	43.58	199
"	8	"	1050.65	49.22	199
"	9	"	1050.90	48.97	199
"	10	"	1052.45	47.42	199
"	11	"	1051.56	48.31	199
"	12	"	1041.12	58.75	199
"	13	"	1054.54	45.33	Ref.
"	14	"	1057.14	42.71	Ref.
"	15	1101.37	1051.01	51.50	199
"	16	"	1047.17	54.20	199
"	17	"	1060.20	41.17	Ref.
"	18	"	1063.05	40.39	Ref.

NOTE

This pile record does not replace other records of piles required to be kept and submitted by the Resident Engineer. After all piles have been driven, the Resident Engineer shall record the tip-of-pile elevation as driven, the length of piles in place, the calculated bearing capacity of each pile, and shall return one blue print copy of this sheet with this data to the Director of Bridges so that the data may be recorded on the original plans. Length of piles in place shown hereon are the actual lengths of piles in the finished structure below cut-off elevation and are not necessarily pay items.
See End Bent details, sheet 8, for batter on piles.
All piles are 12" BP53 - For notes and details, see Std. Dwg. P17.



PLAN - END BENT 2

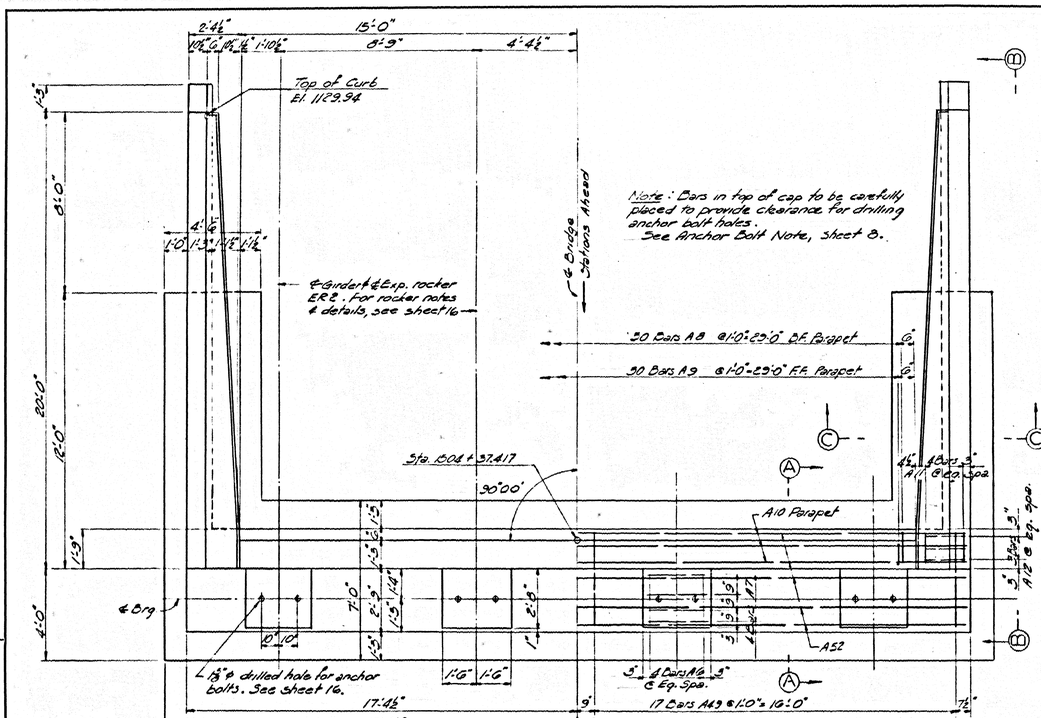
PILE RECORD

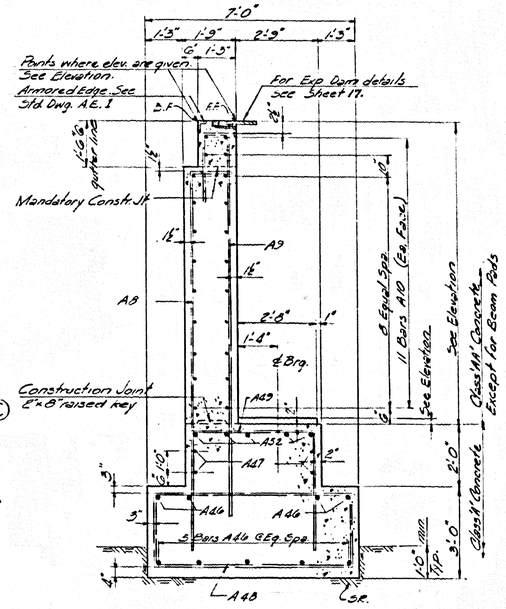
I-75 S.B. OVER LYNN CAMP CREEK SHEET 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER 16849

Completed Pile Record L.M.F. 3/4/69
DESIGNED BY T.B. DETAILED BY JAD TRACED BY CHECKED BY DATE 11/66

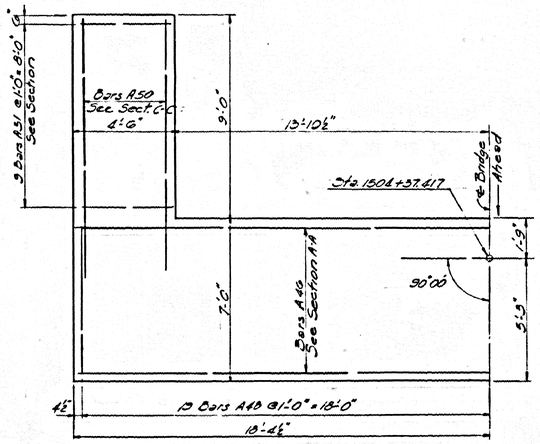
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				





ESTIMATE OF QUATITIES

Concrete, Class "A"	51.4	Cu. Yd.
Concrete, Class "AA"	42.6	Cu. Yd.
Reinforcement	14,274	Lb.



ABUTMENT 1

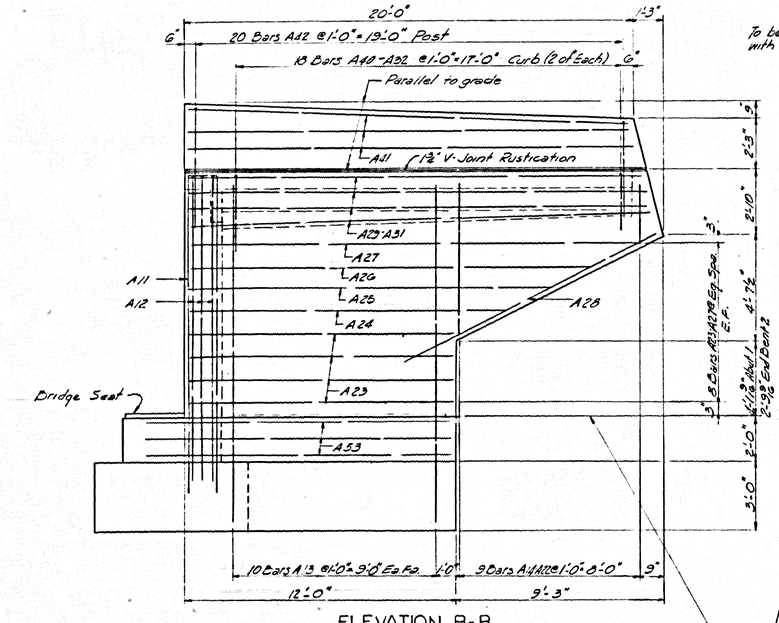
T-75 S.B. OVER LYNN CAMP CREEK SHEET 8

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD

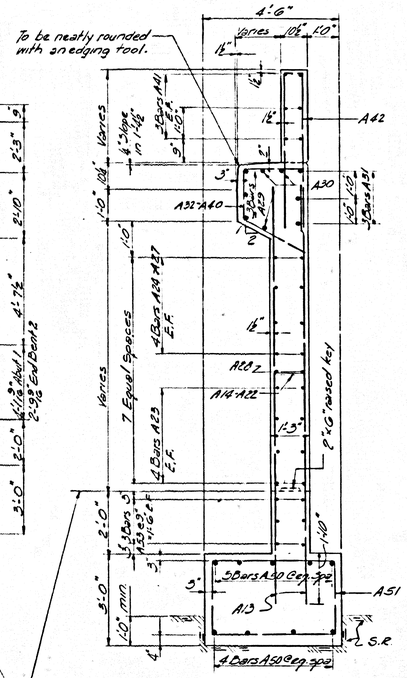
STATION 1507 400.00 **PROJECT NO.**

BRIDGE NUMBER	DRAWING NO.	INDEX
	16849	

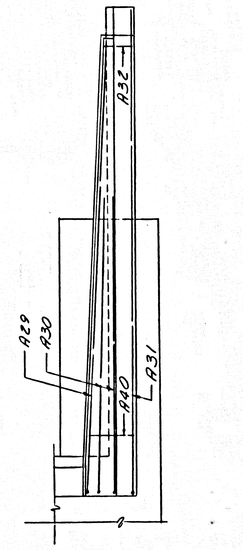
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



ELEVATION B-B
(Abutment No. 1)
See Note



SECTION C-C
(Abutment No. 1)
See Note



PLAN OF WING
(Showing Reinforcement in Curb)

Note -
Details above the construction joint at bridge seat are same for abutment 1 and End Bent 2. For details below the construction joint at bridge seat (End Bent 2) see Part Elev. B-B & Part Sect. C-C, sheet 8.

ABUTMENT 1
AND END BENT 2

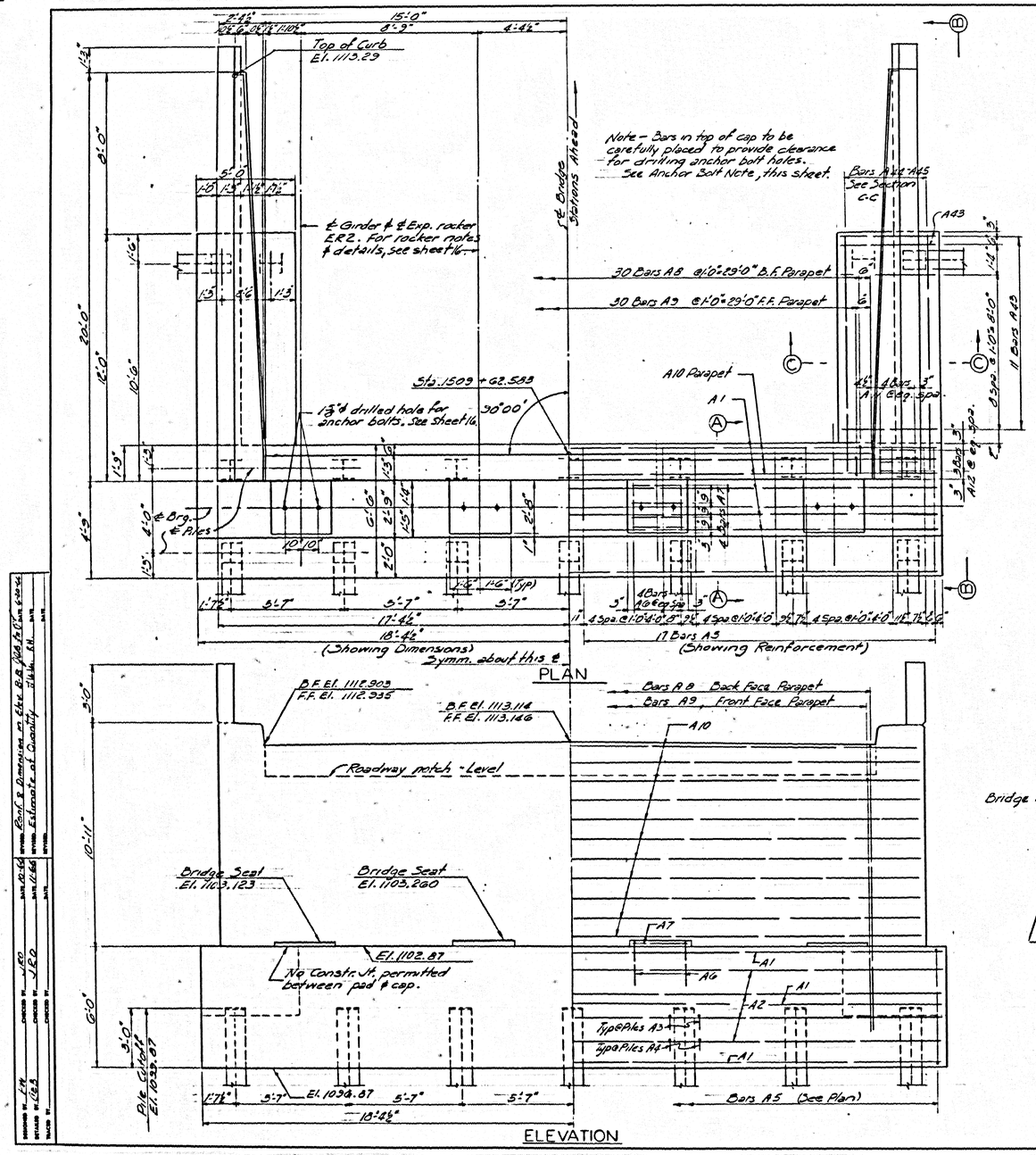
I 75 SB OVER LYNN CAMP CREEK SHEET 7

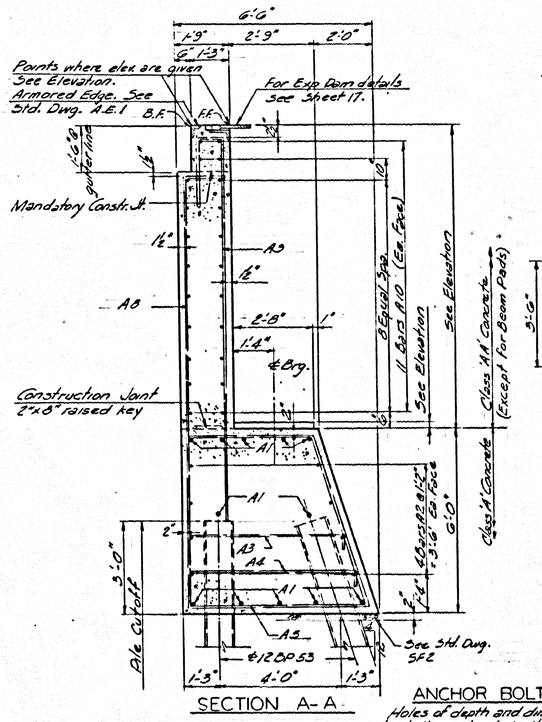
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER
DRAWING NO. 16849

DESIGNED BY JAV DATE 10-74
DRAWN BY CAC CHECKED BY JEO DATE 10-74
TRACED BY CHECKED BY DATE

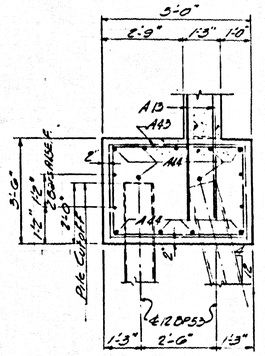
BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				





SECTION A-A



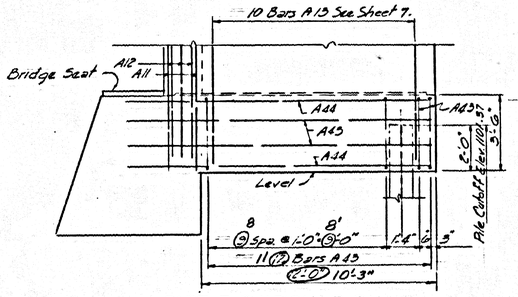
PART SECTION C-C
(See Part Elev. B-B)

ANCHOR BOLT NOTE -

Holes of depth and dimensions shown shall be drilled for anchor bolts or dowels by the superstructure contractor who shall be responsible for keeping holes dry in freezing weather. After base plates are properly set and anchor bolts are placed in drilled holes, molten lead shall be poured in holes and packed until holes are completely filled flush to top of base plates. The cost of drilling anchor bolt holes, furnishing lead, and filling holes with molten lead shall be incidental to and included in the lump sum bid for structural steel.

ESTIMATE OF QUANTITIES

Concrete, Class 'A'	53.6	Cu. Yds.
Concrete, Class 'AA'	12.2	Cu. Yds.
Reinforcement	14902	Lb.
	14,677	
	14.751	



PART ELEVATION B-B
(Showing wing details below constr. jt. at bridge seat. For wing details above this constr. jt. see Elev. B-B, Sheet 7.)

END BENT 2

F.A.S. SR. OVER LYNN CAMP CREEK SHEET 8

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD

STATION 1507 + 00.00 PROJECT NO.

BRIDGE NUMBER — DRAWING NO. 16849

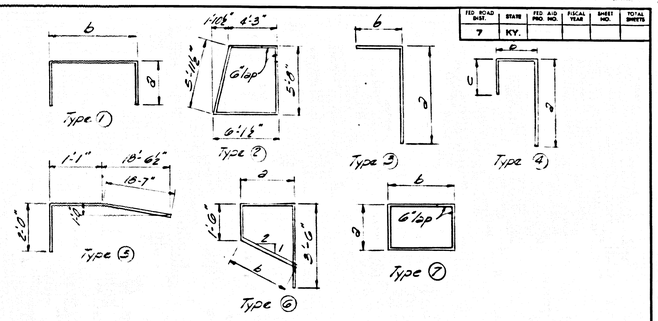
BRIDGE

BILL OF REINFORCEMENT

Mark	Type	No. Total	E	B	Bar Size	Length Ft.	Length In.	Location	a Ft.	a In.	b Ft.	b In.	c Ft.	c In.	d Ft.	d In.
A1	Str.	12			10	30	5	Cap								
A2	"	8			6	30	5	"								
A3	(1)	14			6	6	3	"	0	6	5	4				
A4	"	14			6	6	7	"	0	6	5	8¾				
A5	(2)	34			5	28	9	"								
A6	(3)	16			5	5	0	Pads	1	5	2	4				
A7	Str	16			5	2	9	"								
A8	(5)	30			8	13	6	Parapet	12	2	1	6				
A9	(4)	30			7	15	10	"	12	6	1	0	2	6		
A10	Str	22			5	34	6	"								
A11	(6)	8			9	27	10	"	13	4	1	5				
A12	"	6			7	27	0	"	12	8	1	11				
A13	Str.	40			7	13	7	Wings								
A14	(7)	2			6	14	1	"	6	8	1	0				
A15	"	2			6	13	1	"	6	2	1	0				
A16	"	2			6	12	1	"	5	8	1	0				
A17	"	2			6	11	1	"	5	2	1	0				
A18	"	2			6	10	1	"	4	8	1	0				
A19	"	2			6	9	1	"	4	2	1	0				
A20	"	2			6	8	1	"	3	8	1	0				
A21	"	2			6	7	1	"	3	2	1	0				
A22	"	2			6	6	1	"	2	8	1	0				
A23	Str.	16			6	11	9	"								
A24	"	4			6	13	9	"								
A25	"	4			6	15	9	"								
A26	"	4			6	17	9	"								
A27	"	4			6	19	9	"								
A28	"	4			6	18	0	"								
A29	(8)	6			11	21	3	"								
A30	(8)	6			11	15	9	"	3	0	13	0				
A31	"	6			11	23	1	"	3	0	20	4				
A32	(10)	4			5	6	11	"	1	0	1	1½				
A33	"	4			5	7	2	"	1	1½	1	2½				
A34	"	4			5	7	5	"	1	2½	1	4				
A35	"	4			5	7	8	"	1	3½	1	5½				
A36	"	4			5	7	10	"	1	5	1	7				
A37	"	4			5	8	1	"	1	6½	1	8½				
A38	"	4			5	8	3	"	1	7½	1	10				
A39	"	4			5	8	6	"	1	9	1	11½				
A40	"	4			5	8	9	"	1	10½	2	2				
A41	Str	12			5	13	10	"								
A42	(9)	40			6	12	5	"	6	0	0	7½				
A43	(9)	—	22	24	6	16	5	" - Footings	3	2	4	8				
A44	Str	—	46		10	(E)	(D)	13'-3" "								
A45	"	—	8	4	6	(H)	(D)	12'-3" "								
A46	"	9	—		9	30	5	Footing								
A47	"	4	—		6	34	5	Cap								
A48	(9)	37	—		6	18	7	Footing	2	5	6	6				
A49	(9)	34	—		6	10	9	Cap	3	5	4	2				
A50	Str	18	—		9	12	6	Footing								
A51	(9)	18	—		6	13	7	"	2	5	4	0				
A52	Str	5	—		9	34	5	Cap								
A53	"	12	—		6	13	5	Wings								

DRAWN BY: AT — DATE: MAY 20 66
DETAILED BY: DEB — CHECKED BY: JEO — DATE: MAY 20 66
TRACED BY: — CHECKED BY: — DATE: —

REVISED: Bill of Bars A43 — DATE: JAN. 3 68
REVISED: Bill of Bars A43, Key Sheet, Bars A44 & A45 — DATE: MAY 2 68



FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

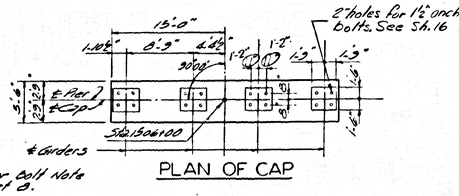
T-75 S.B. OVER LYNN CAMP CREEK — SHEET 9

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 **PROJECT NO.**
BRIDGE NUMBER — DRAWING NO. 16849 — INDEX

ABUTMENT 1 AND END BENT 2

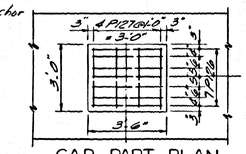
BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

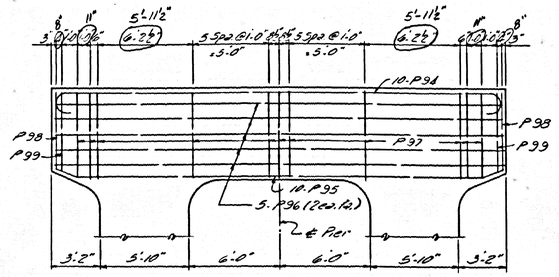


PLAN OF CAP

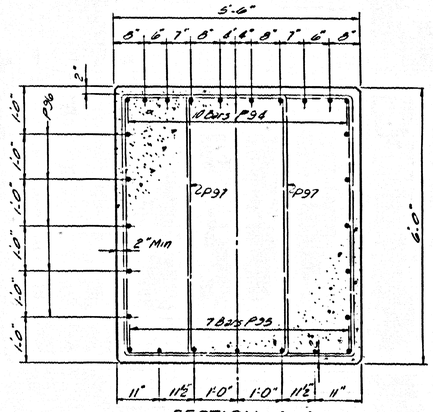
Note: For Anchor Bolt Note See Sheet 8.



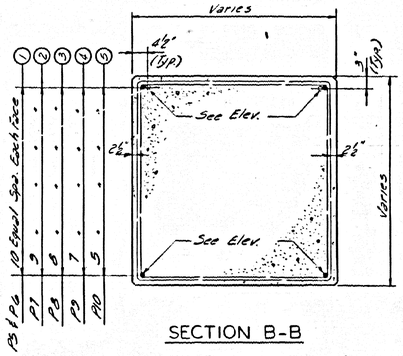
CAP PART PLAN
(Showing Pedestal Reinforcement)



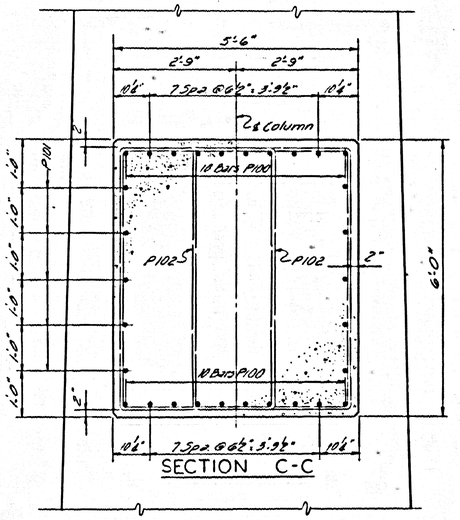
PART ELEVATION
(Showing Cap Reinforcement)



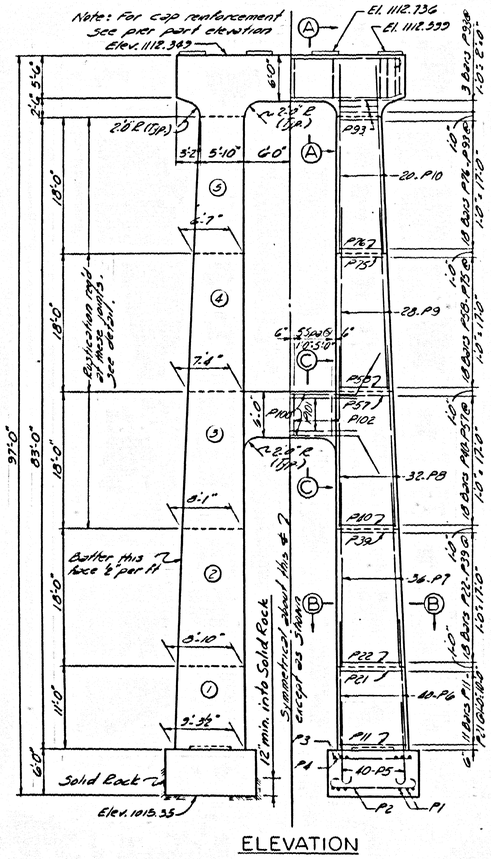
SECTION A-A



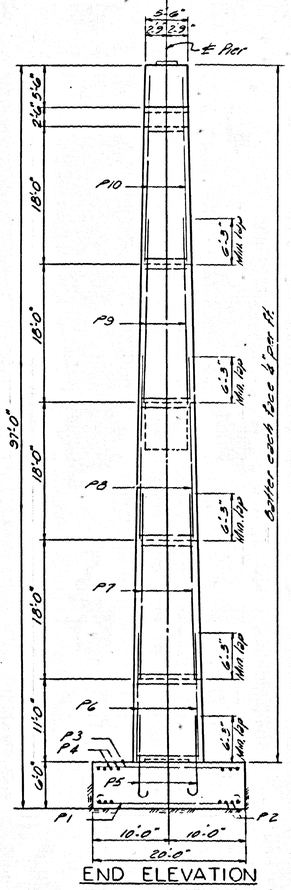
SECTION B-B



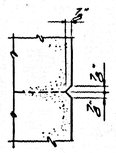
SECTION C-C



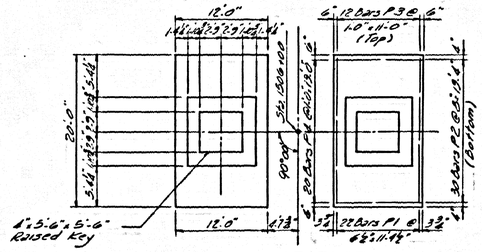
ELEVATION



END ELEVATION



RUSTICATION DETAIL



PLAN OF FOOTING

PIER IS

1.75 (S.B.) OVER LYNN CAMP CREEK SHEET 10

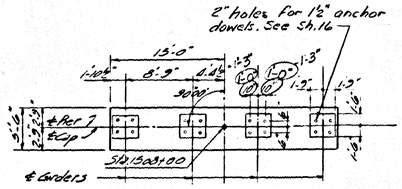
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD

STATION 1507+00.00 PROJECT NO.

BRIDGE NUMBER | DRAWING NO. 16849 | SHEET

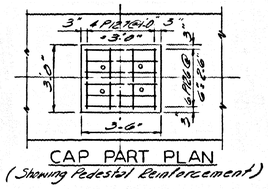
BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



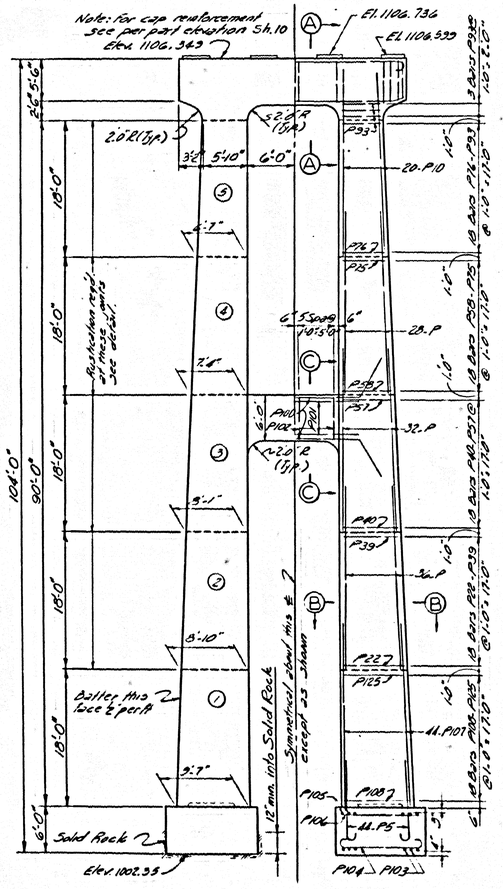
PLAN OF CAP

Note: for Anchor Bolt Note See Sheet 8.



CAP PART PLAN
(Showing Pedestal Reinforcement)

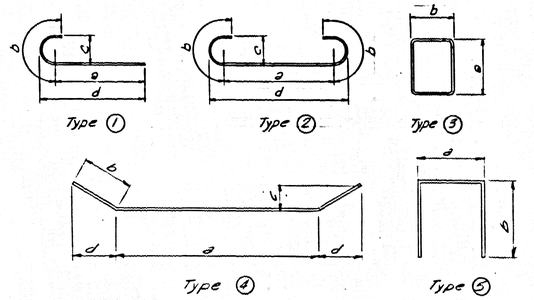
Note: for Sections A-A, C-C, holes and other details See Pier 1S Sheet #10.


Note: for cap reinforcement see pier elevation Sh.10
Elev. 1106.363
EL 1106.736
EL 1106.539
2'-6"
5'-6"
18'-0"
18'-0"
9'-0"
18'-0"
10'-0"
2.0 R (Typ)
3'-2"
5'-10"
6'-0"
20.P10
6'-7"
28.P
7'-4"
32.P
9'-1"
11.P107
8'-10"
9'-7"
6'-0"
Solid Rock
Elev. 1002.33
12" min. into Solid Rock
Symmetrical about this ℄ except as shown
Batter this face ¼ per ft
Batter this face ¼ per ft
P93
P15
P23
P39
P125
P127
P105
P106
P107
P103
P104
2 @ 2'-3" = 4'-6"
2 @ 2'-3" = 4'-6"
2 @ 1'-0" = 2'-0"
2 @ 1'-0" = 2'-0"
2 @ 1'-0" = 2'-0

BILL OF REINFORCEMENT

Mark	Type	No. Per 1	No. Per 2	Bar Size	Length Ft.	Length In.	Location	a Ft.	a In.	b Ft.	b In.	c Ft.	c In.	d Ft.	d In.
P1	(2)	46		9	22	1	Footing (Bottom)	18	9	1	8	0	11 4	19	04
P2	(2)	60		6	13	2	" "	11	2	1	0	0	6	11	8
P3	Str.	64		5	13	8	" (Top)								
P4	Str.	40		5	11	8	"								
P5	(1)	80	88	11	13	2	Column Dowels	11	2	2	0	1	2	11	9
P6	Str	80		11	17	3	Columns								
P7	"	72	72	11	24	3	"								
P8	"	64	64	11	24	3	"								
P9	"	36	36	11	24	3	"								
P10	"	40	40	11	25	6	"								
P11	(3)	2		5	36	2	Column Hoops	8	10 4	8	10 4				
P12	"	2		5	36	0	" "	8	2 3	8	9 3				
P13	"	2		5	35	10	" "	8	9 3	8	9 3				
P14	"	2		5	35	8	" "	8	8 3	8	8 3				
P15	"	2		5	35	6	" "	8	8 3	8	8 3				
P16	"	2		5	35	4	" "	8	7 3	8	7 3				
P17	"	2		5	35	2	" "	8	7 4	8	7 4				
P18	"	2		5	35	0	" "	8	6 3	8	6 3				
P19	"	2		5	34	10	" "	8	6 4	8	6 4				
P20	"	2		5	34	8	" "	8	5 3	8	5 3				
P21	"	2		5	34	6	" "	8	5 4	8	5 4				
P22	"	2	2	5	34	4	" "	8	4 3	8	4 3				
P23	"	2	2	5	34	2	" "	8	4 4	8	4 4				
P24	"	2	2	5	34	0	" "	8	3 3	8	3 3				
P25	"	2	2	5	33	10	" "	8	3 4	8	3 4				
P26	"	2	2	5	33	8	" "	8	2 3	8	2 3				
P27	"	2	2	5	33	6	" "	8	2 4	8	2 4				
P28	"	2	2	5	33	4	" "	8	1 3	8	1 4				
P29	"	2	2	5	33	2	" "	8	1 4	8	1 4				
P30	"	2	2	5	33	0	" "	8	0 3	8	0 4				
P31	"	2	2	5	32	10	" "	8	0 4	8	0 4				
P32	"	2	2	5	32	8	" "	7	11 3	7	11 3				
P33	"	2	2	5	32	6	" "	7	11 4	7	11 4				
P34	"	2	2	5	32	4	" "	7	10 3	7	10 3				
P35	"	2	2	5	32	2	" "	7	10 4	7	10 4				
P36	"	2	2	5	32	0	" "	7	9 3	7	9 3				
P37	"	2	2	5	31	10	" "	7	9 4	7	9 4				
P38	"	2	2	5	31	8	" "	7	8 3	7	8 3				
P39	"	2	2	5	31	6	" "	7	8 4	7	8 4				
P40	"	2	2	5	31	4	" "	7	7 3	7	7 3				
P41	"	2	2	5	31	2	" "	7	7 4	7	7 4				
P42	"	2	2	5	31	0	" "	7	6 3	7	6 3				
P43	"	2	2	5	30	10	" "	7	6 4	7	6 4				
P44	"	2	2	5	30	8	" "	7	5 3	7	5 3				
P45	"	2	2	5	30	6	" "	7	5 4	7	5 4				
P46	"	2	2	5	30	4	" "	7	4 3	7	4 3				
P47	"	2	2	5	30	2	" "	7	4 4	7	4 4				
P48	"	2	2	5	30	0	" "	7	3 3	7	3 4				
P49	"	2	2	5	29	10	" "	7	3 4	7	3 4				
P50	"	2	2	5	29	8	" "	7	2 3	7	2 4				
P51	"	2	2	5	29	6	" "	7	2 4	7	2 4				
P52	"	2	2	5	29	4	" "	7	1 3	7	1 4				
P53	"	2	2	5	29	2	" "	7	1 4	7	1 4				
P54	"	2	2	5	29	0	" "	7	0 3	7	0 4				
P55	"	2	2	5	28	10	" "	7	0 4	7	0 4				
P56	"	2	2	5	28	8	" "	6	11 3	6	11 4				
P57	"	2	2	5	28	6	" "	6	11 4	6	11 4				
P58	"	2	2	5	28	4	" "	6	10 3	6	10 4				
P59	"	2	2	5	28	2	" "	6	10 4	6	10 4				
P60	"	2	2	5	28	0	" "	6	9 3	6	9 3				
P61	"	2	2	5	27	10	" "	6	9 4	6	9 4				
P62	"	2	2	5	27	8	" "	6	8 3	6	8 4				
P63	"	2	2	5	27	6	" "	6	8 4	6	8 4				
P64	"	2	2	5	27	4	" "	6	7 3	6	7 4				
P65	"	2	2	5	27	2	" "	6	7 4	6	7 4				
P66	"	2	2	5	27	0	" "	6	6 3	6	6 4				
P67	"	2	2	5	26	10	" "	6	6 4	6	6 4				
P68	"	2	2	5	26	8	" "	6	5 3	6	5 3				
P69	"	2	2	5	26	6	" "	6	5 4	6	5 4				
P70	"	2	2	5	26	4	" "	6	4 3	6	4 3				
P71	"	2	2	5	26	2	" "	6	4 4	6	4 4				
P72	"	2	2	5	26	0	" "	6	3 3	6	3 3				
P73	"	2	2	5	25	10	" "	6	3 4	6	3 4				
P74	"	2	2	5	25	8	" "	6	2 3	6	2 3				
P75	"	2	2	5	25	6	" "	6	2 4	6	2 4				
P76	"	2	2	5	25	4	" "	6	1 3	6	1 3				
P77	"	2	2	5	25	2	" "	6	1 4	6	1 4				
P78	"	2	2	5	25	0	" "	6	0 3	6	0 3				
P79	"	2	2	3	24	10	" "	6	0 4	6	0 4				

Mark	Type	No. Per 1	No. Per 2	Bar Size	Length Ft.	Length In.	Location	a Ft.	a In.	b Ft.	b In.	c Ft.	c In.	d Ft.	d In.
P80	(3)	6	6	5	24	8	Column Hoops	3	11 3	5	11 3				
P81	"	2	2	5	24	6	" "	5	11 4	5	11 4				
P82	"	2	2	5	24	4	" "	5	11 3	5	10 3				
P83	"	2	2	5	24	2	" "	5	10 4	5	10 4				
P84	"	2	2	5	24	0	" "	5	9 3	5	9 3				
P85	"	2	2	5	23	10	" "	5	9 4	5	9 4				
P86	"	2	2	5	23	8	" "	5	8 3	5	8 3				
P87	"	2	2	5	23	6	" "	5	8 4	5	8 4				
P88	"	2	2	5	23	4	" "	5	7 3	5	7 3				
P89	"	2	2	5	23	2	" "	5	7 4	5	7 4				
P90	"	2	2	5	23	0	" "	5	6 3	5	6 3				
P91	"	2	2	5	22	10	" "	5	6 4	5	6 4				
P92	"	2	2	5	22	8	" "	5	5 3	5	5 3				
P93	"	8	8	5	22	6	" "	5	5 4	5	5 4				
P94	(2)	10	10	11	32	6	Top of Cap	28	6	2	0	1	2	29	8
P95	(4)	7	7	10	30	0	Bottom of Cap	27	0	1	6	0	8 4	1	4
P96	Str.	10	10	6	29	8	Side of Cap								
P97	3	38	38	6	19	7	Cap Stirrups	5	8	3	9				
P98	"	4	4	6	18	9	" "	5	3	3	9				
P99	"	4	4	6	19	0	" "	5	4 6	3	9				
P100	(4)	20	20	11	29	0	Strut	17	0	6	0	5	2 2	3	0
P101	Str.	10	10	6	11	0	"								
P102	(3)	(822)	822	6	19	5	"	5	8	3	8				
P103	(2)		40	7	18	11	Footing	17	7	1	2	0	7	18	2
P104	"		38	5	12	5	"	10	9	0	10	0	5	11	2
P105	Str.		24	5	18	2	"								
P106	"		38	5	11	2	"								
P107	"		88	11	24	3	Column								
P108	(3)		2	5	37	4	Column Hoops	9	13 4	9	13 4				
P109	"		2	5	37	2	" "	9	1 4	9	1 4				
P110	"		2	5	37	0	" "	9	0 3	9	0 3				
P111	"		2	5	36	10	" "	9	0 4	9	0 4				
P112	"		2	5	36	8	" "	8	11 3	8	11 3				
P113	"		2	5	36	6	" "	8	11 4	8	11 4				
P114	"		2	5	36	4	" "	8	10 3	8	10 3				
P115	"		2	5	36	2	" "	8	10 4	8	10 4				
P116	"		2	5	36	0	" "	8	9 3	8	9 3				
P117	"		2	5	35	10	" "	8	9 4	8	9 4				
P118	"		2	5	35	8	" "	8	8 3	8	8 3				
P119	"		2	5	35	6	" "	8	8 4	8	8 4				
P120	"		2	5	35	4	" "	8	7 3	8	7 3				
P121	"		2	5	35	2	" "	8	7 4	8	7 4				
P122	"		2	5	35	0	" "	8	6 3	8	6 3				
P123	"		2	5	34	10	" "	8	6 4	8	6 4				
P124	"		2	5	34	8	" "	8	5 3	8	5 3				
P125	"		2	5	34	6	" "	8	5 4	8	5 4				
P126	Str.	28	28	5	3	3	Pedestal								
P127	(5)	16	16	5	5	7	"	2	9	1	6				



ESTIMATE OF QUANTITIES (PIERS 15 & 25)

	Per 1	Per 2	
Class 'A' Concrete	5775	5516	Cu Yds
Reinforcement	(62,069)	(69,620	Lbs
	62769	65326	

S.B. PIERS

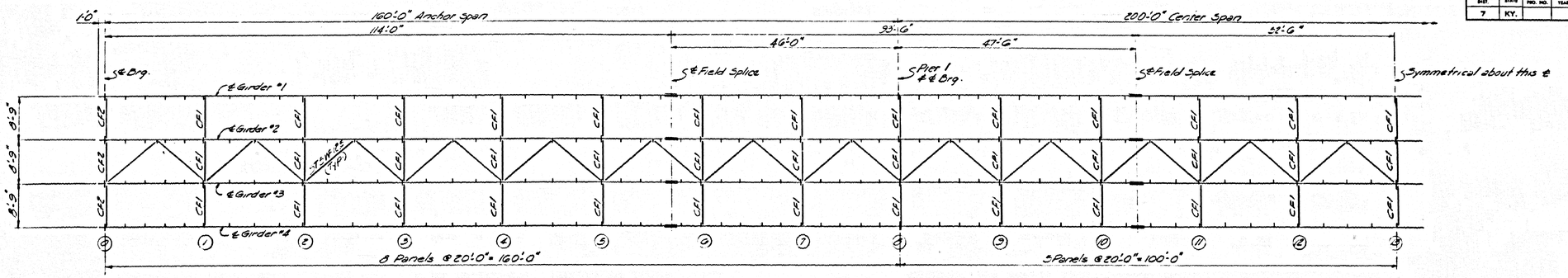
PRO. ROAD SHT.	STATE	PRO. AID PRO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

I-75 (S. B.) OVER LYNN CAMP CREEK SHEET 12

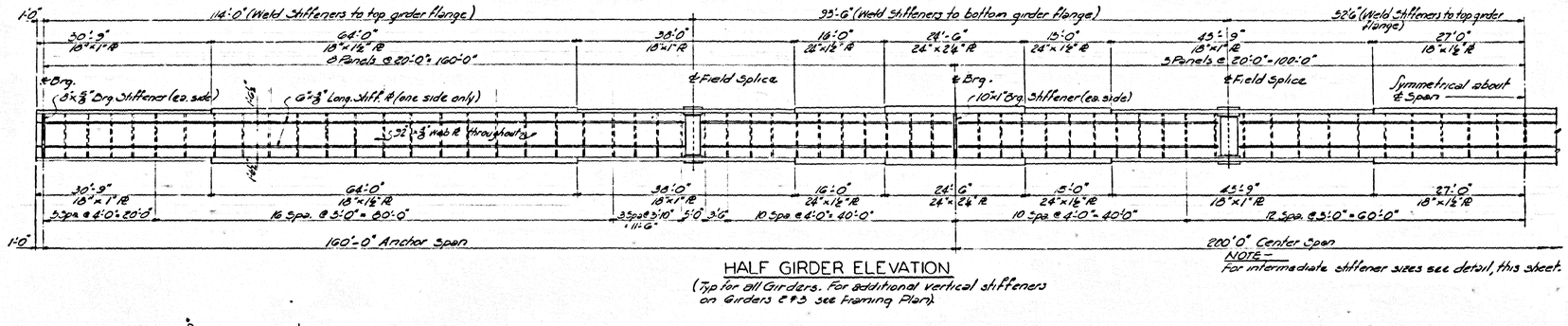
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER — DRAWING NO. 16849

BRIDGE

FED. ROAD SHEET	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



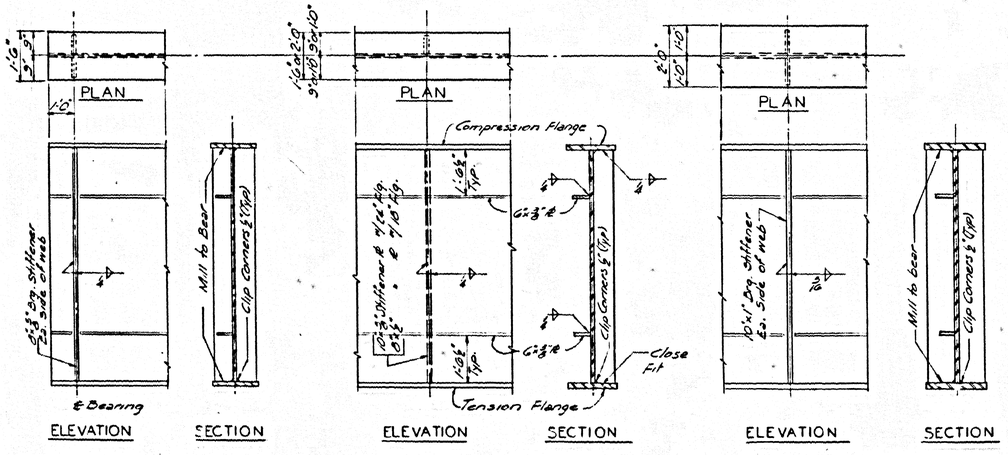
HALF FRAMING PLAN



HALF GIRDER ELEVATION

(Typ for all Girders. For additional vertical stiffeners on Girders ℄ #3 see Framing Plan).

NOTE — For intermediate stiffener sizes see detail, this sheet.



BEARING STIFFENER AT P.P. 0

TYP. INT. STIFFENER DETAILS

BEARING STIFFENER AT P.P. 8

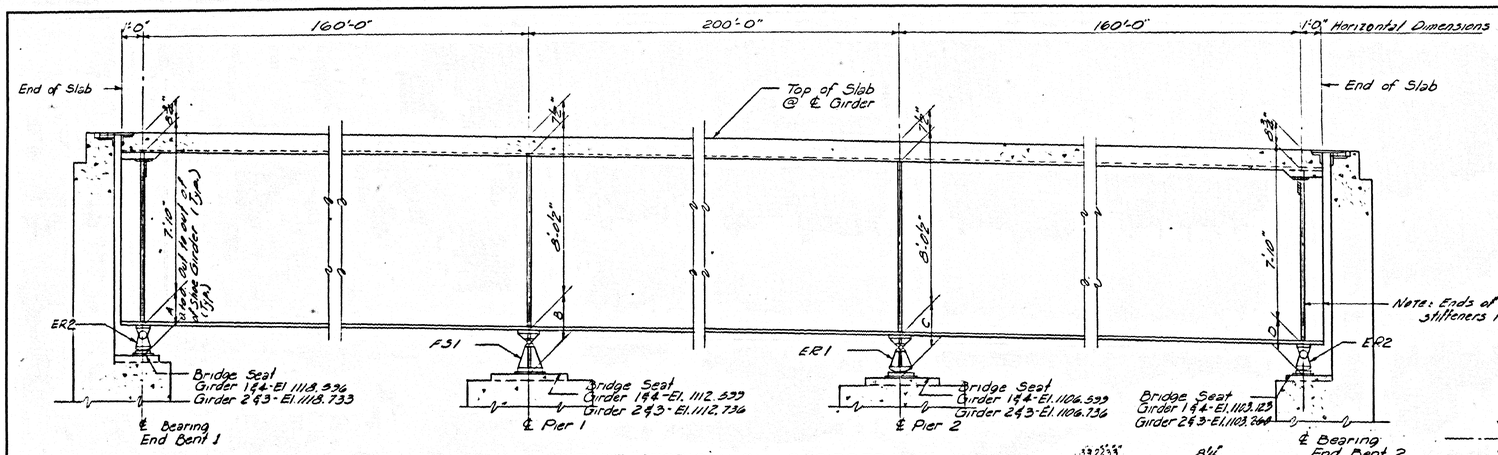
SUPERSTRUCTURE

T 75 SR OVER LYNN CAMP CREEK SHEET 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER 16849

BRIDGE

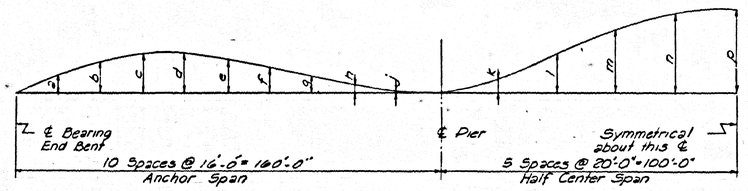
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



PART SECTION ON ℄ GIRDER

Note: Ends of Girder and all bearing stiffeners to be vertical.

TABLE OF DIMENSIONS		
DIM.	GIRDER #1 or #4	GIRDER #2 or #3
A	1'-3⅞"	1'-3⅞"
B	2'-4⅝"	2'-4⅝"
C	2'-4⅝"	2'-4⅝"
D	1'-3⅞"	1'-3⅞"

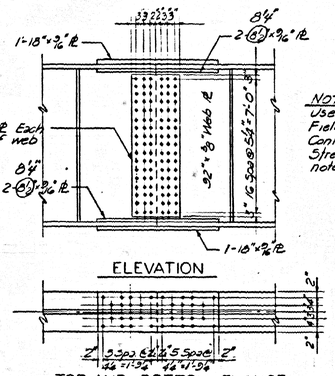


DEAD LOAD CAMBER

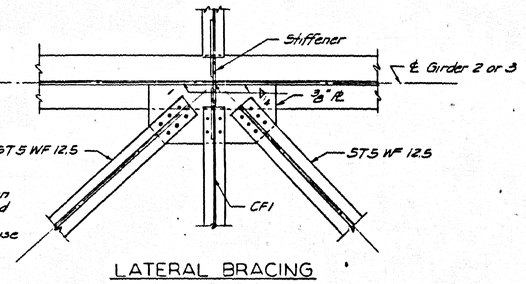
DEAD LOAD CAMBER						
	GIRDER #1 OR #4			GIRDER #2 OR #3		
Point	Steel Δ	Concrete Δ	Total Δ	Steel Δ	Concrete Δ	Total Δ
a	.019	.055	.074	.018	.051	.069
b	.036	.096	.132	.032	.091	.123
c	.044	.127	.171	.042	.118	.160
d	.060	.138	.196	.046	.128	.174
e	.046	.132	.178	.044	.122	.166
f	.033	.110	.143	.034	.102	.136
g	.026	.074	.100	.023	.068	.093
h	.012	.036	.048	.011	.033	.044
j	.003	.010	.013	.003	.009	.012
k	.012	.036	.048	.011	.033	.044
l	.030	.095	.128	.031	.088	.119
m	.051	.146	.197	.049	.135	.184
n	.063	.182	.245	.060	.160	.220
p	.068	.194	.262	.068	.180	.248

.197

NOTE
Girder is to be fabricated so that top and bottom of web plate will be par allel to grade with full dead load in place.

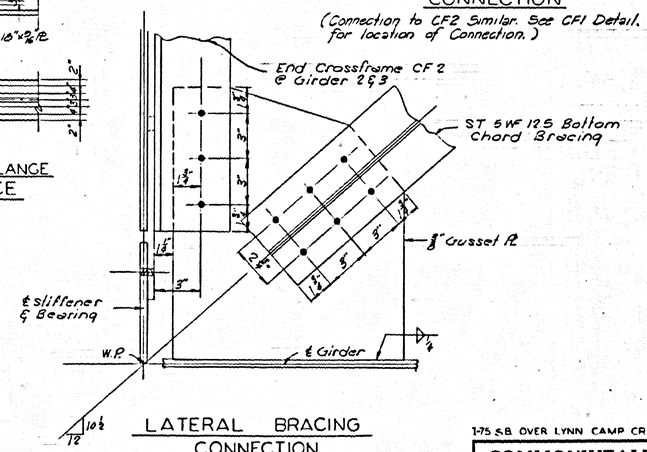


NOTE
Use 7 ⌀ High Strength Bolts in Field Splices. All other bolted Connections are ⅞" ⌀ High Strength Bolts unless otherwise noted.



LATERAL BRACING CONNECTION

(Connection to CF2 Similar. See CF1 Detail, Sheet 16 for location of Connection.)



LATERAL BRACING CONNECTION
(Plan @ End Crossframe & Bottom Chord Bracing)

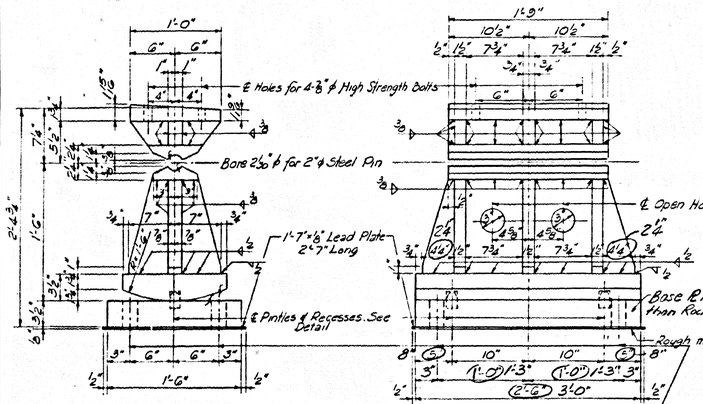
SUPERSTRUCTURE

1-75 S.B. OVER LYNN CAMP CREEK SHEET 15

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER DRAWING NO. 16849

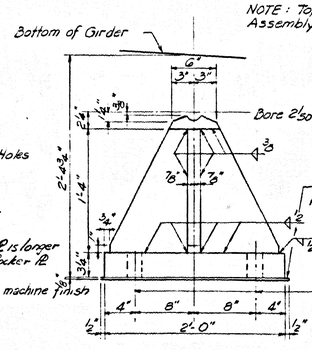
BRIDGE

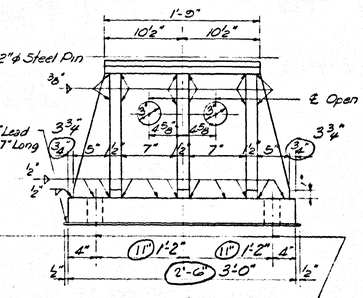
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



EXPANSION ROCKER ER1 (4 REQD)

Capacity	475 (500)	Kips
Structural Steel	1540 (1460)	Lbs.
Pin and Nuts	22	Lbs.
Lead Plate	36 (30)	Lbs.



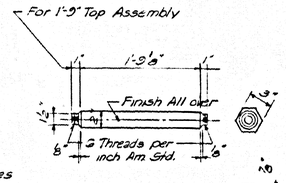


℄ 2"ϕ Holes for ½"ϕ Swedge Anchor Dowels 1'-3" into masonry & Anchor Dowels Required.

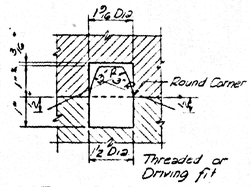
FIXED SHOE FS1 (4 REQ'D)

Capacity	500	Kips
Structural Steel	1594 (1460)	Lbs
Pin and Nuts	22	Lbs.
Lead Plate	47 (40)	Lbs.

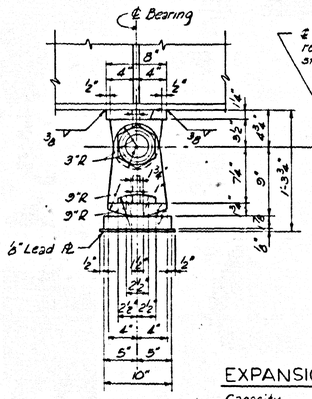
℄ for 2"ϕ Holes for 1½" Anchor Swedge Bolts with one Hex nut heavy and one cut washer. Set Anchor Bolts 1'-3" into masonry. & Anchor Bolts Required.

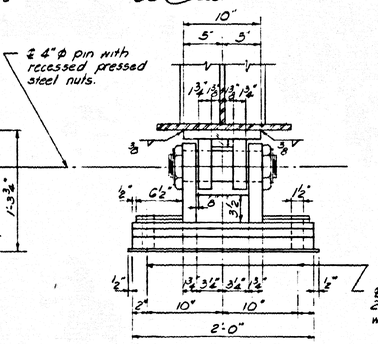


STEEL PIN
8 Req'd 1'-3⅛" Long



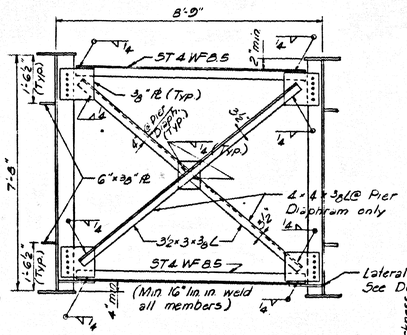
DETAIL OF PINTLE AND RECESS



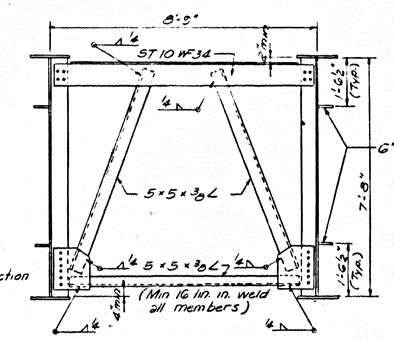


EXPANSION ROCKER ER2

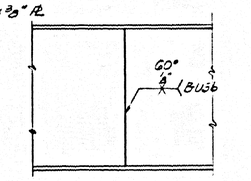
Capacity	170	Kips
Weight each shoe assembly	415	Lbs



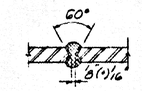
CROSSFRAME CF1



CROSSFRAME CF2

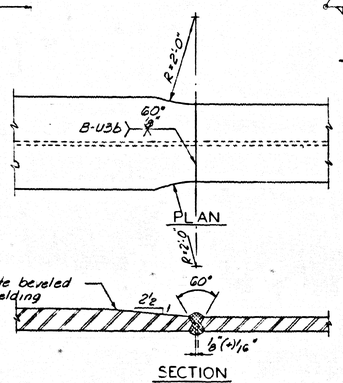


ELEVATION



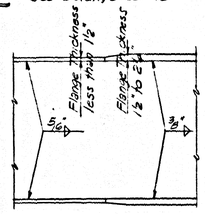
SECTION

SHOP WEB SPLICE
(Manual Shielded Metal-Arc Weld)



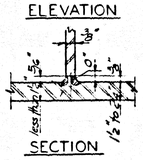
SECTION

SHOP FLANGE SPLICE
(Manual Shielded Metal-Arc Weld)



ELEVATION

Flange to web welds to be single pass submerged Arc Fillet welds in the flat position. Parts are to be assembled with edge of web plate tight against flange plate before welding.



SECTION

FLANGE TO WEB WELD
(Submerged Arc Weld)

SUPERSTRUCTURE

I-75 S.B. OVER LYNN CAMP CREEK SHEET 16

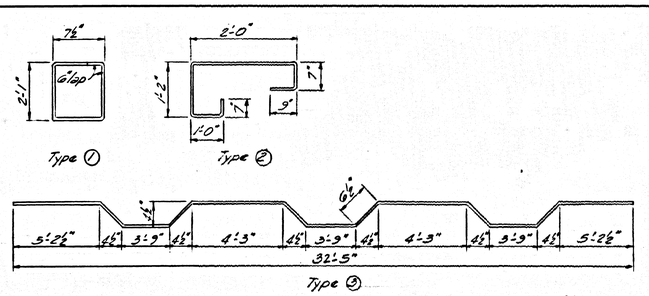
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507 +00.00 PROJECT NO.
BRIDGE NUMBER DRAWING NO. 16849

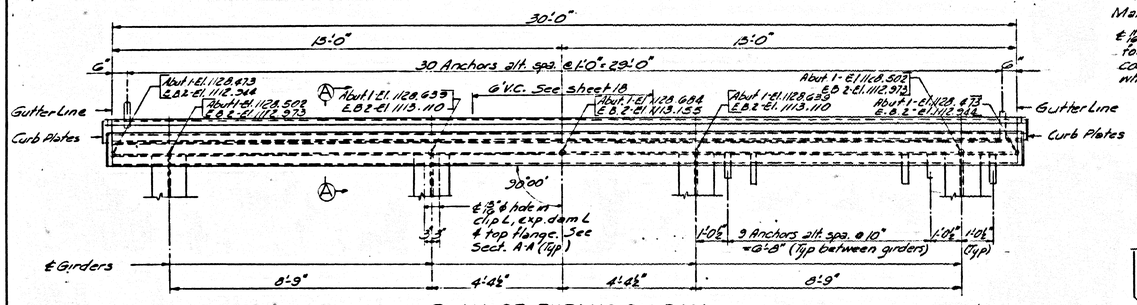
Change Base Plate Dim. ER1 & FS1 Jan. 7-62
REVISED BY DATE CHECKED BY DATE
DETAILED BY DATE CHECKED BY DATE
TRACED BY DATE CHECKED BY DATE

BRIDGE

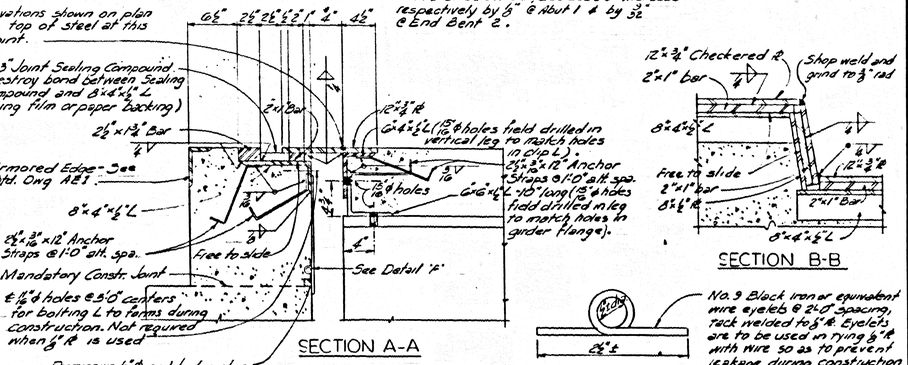
BILL OF REINFORCEMENT

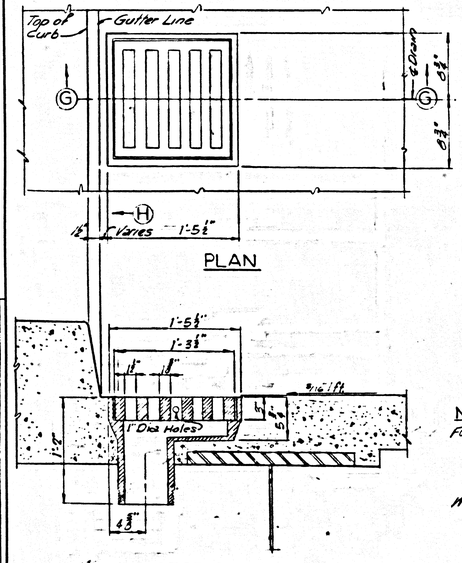
Work	Type	No.	Bar Size	Length Ft.	Length In.	Location
S1	①	1044	5	6	2	Plinths
S2	②	1044	5	5	10	Curbs
S3	Str.	1046	5	32	5	Slab-Transverse
S4	②	520	6	33	5	" " (Bent)
S5	Str.	1628	4	33	10	Slab-Longitudinal
S6	"	64	5	20	11	Plinths
S7	"	64	5	19	8	"
S8	"	48	5	19	2	"
S9	"	32	5	20	5	"

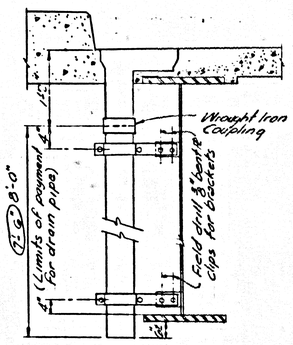


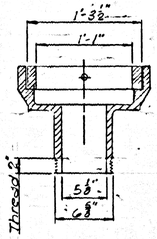


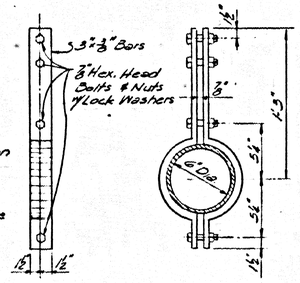
PLAN OF EXPANSION DAM











DRAIN PIPE BRACKETS

NOTES

FOUNDRY NOTE -
All drains to be gray iron castings, ASTM A48, Class 20. Report of Field Inspection of castings is to be submitted to the Division of Materials. Drains are to be furnished by the Superstructure Contractor and the cost of furnishing and placing same is to be included in the Lump Sum Bid price for Structural Steel.

WROUGHT IRON PIPE - Wrought iron Pipe is to be G.B. Standard weight 19.0 # per linear foot in accordance with ASTM A72. Pipe fittings and connections shall be included in the unit price per linear foot of pipe complete in place. (Length to be measured along ℄ of pipe between limits shown on drawings). Pipe and all fittings to be given one coat of red lead and two field coats of aluminum paint in accordance with the specifications.

DRAIN DETAILS

14 Required Weight each drain 275 lbs.
Neenah R-3961 or equal

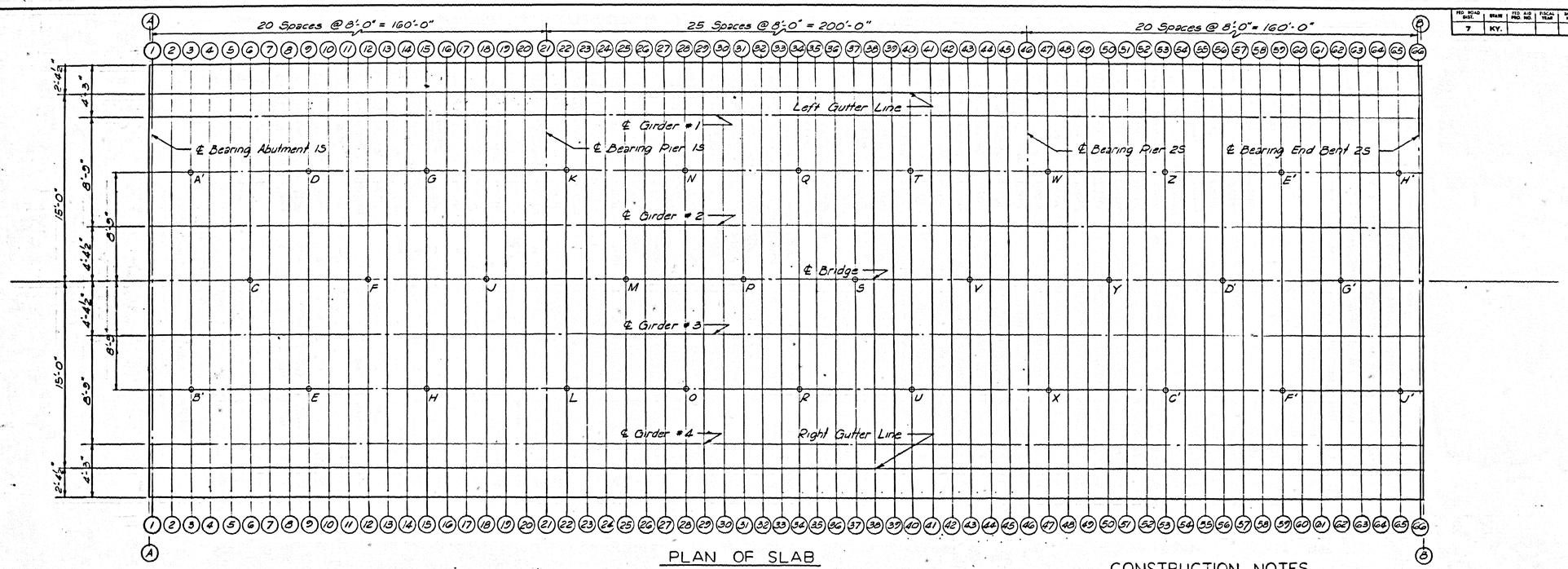
SUPERSTRUCTURE

I 75 S.B. OVER LYNN CAMP CREEK SHEET 17

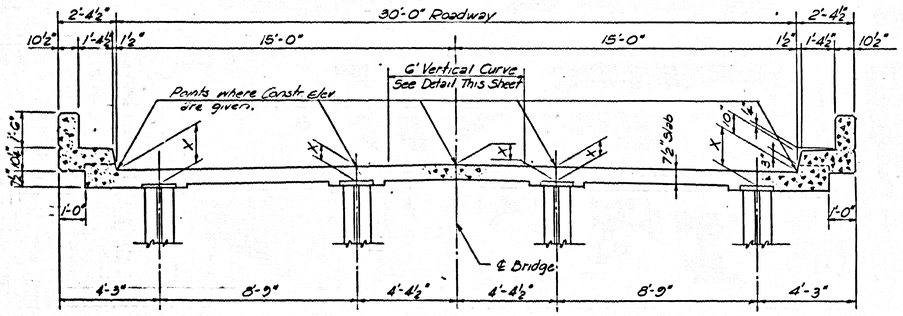
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507 400-00 PROJECT NO.
BRIDGE NUMBER DRAWING NO. 16849

BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



PLAN OF SLAB



TYPICAL SECTION

CONSTRUCTION NOTES

Layout sections 1-1 to GG-GG as shown in plan on this sheet. (Center punch marks on top of beams for elevation points.)

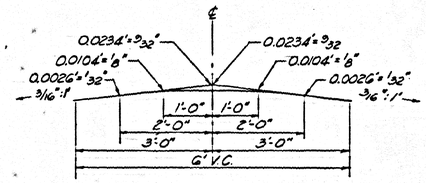
Take elevations on top of steel at points indicated after cross frames and lateral bracing are in place and after all false work has been removed, but before forms for concrete slabs have been put in place. Read elevations to three decimals using a target rod and enter readings in table under Top of Steel.

Compute dimension "X" as follows: Construction Elevation minus Top of Steel equals Dimension "X". Construction Elevations include camber due to weight of concrete slab, plinth, handrail, and future surfacing.

For setting templates measure Dimension "X" above Top of Steel for top of template. Do not set templates by elevations.

Construct handrail plinth to curb grade. Do not add camber to handrail plinth.

Slab elevation tolerances are based on delivery to the bridge site of fabricated steel having dimension and sweep tolerances meeting the requirements of A.W.S. Spec., current edition, par. 407 for welded girders, and are based on erection of the steel undamaged.



PARABOLIC CROWN

SOUTHBOUND ELEVATIONS

I-75 SB. OVER LYNN CAMP CREEK SHEET 18

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER
DRAWING NO. 16849

BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

TABLE OF ELEVATIONS

Section	Left Gutter Line			Girder #2			℄ Bridge			Girder #3			Right Gutter Line			Section	Left Gutter Line			Girder #2			℄ Bridge			Girder #3			Right Gutter Line		
	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"		Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"	Const. El.	Top of Steel	Dim. "X"
A-A	1128.503						1128.762						1128.503			39-39	1119.453			1119.625			1119.670			1119.625			1119.453		
B-B	1112.944						1113.155						1112.944			40-40	.199			.365			.410			.365			.199		
1-1	1128.443			1128.603			1128.658			1128603			1128.443			41-41	18.937			.103			.148			.103			18.937		
2-2	.231			.337			.442			.337			.231			42-42	.615			18.896			18.841			18.896			.615		
3-3	.018			.184			.229			.184			.018			43-43	.409			.575			.620			.575			.409		
4-4	27.801			27.967			.012			27.801			27.967			44-44	.149			.315			.360			.315			.149		
5-5	.581			.747			27.792			.747			.581			45-45	17.893			.059			.104			.059			17.893		
6-6	.357			.523			.568			.523			.357			46-46	.643			17.809			17.854			17.809			.643		
7-7	.129			.295			.340			.295			.129			47-47	.407			.573			.618			.573			.407		
8-8	26.897			.063			.108			.063			26.897			48-48	.173			.339			.384			.339			.173		
9-9	.661			26.827			26.872			26.827			.661			49-49	16.943			.109			.154			.109			16.943		
10-10	.421			.587			.632			.587			.421			50-50	.719			16.885			16.930			16.885			.719		
11-11	.175			.341			.386			.341			.175			51-51	.491			.658			.703			.658			.491		
12-12	25.925			.091			.136			.091			25.925			52-52	.277			.443			.488			.443			.277		
13-13	.673			25.839			25.884			25.839			.673			53-53	.055			.221			.266			.221			.055		
14-14	.415			.581			4.26			.581			.415			54-54	15.833			15.999			16.044			15.999			15.833		
15-15	.157			.323			.368			.323			.157			55-55	.605			.771			15.816			.771			.605		
16-16	24.897			.063			.108			.063			24.897			56-56	.375			.541			.586			.541			.375		
17-17	.633			24.805			24.850			24.805			.633			57-57	.141			.307			.352			.307			.141		
18-18	.383			.549			.594			.549			.383			58-58	14.901			.067			.112			.067			14.901		
19-19	.133			.299			.344			.299			.133			59-59	.659			14.825			14.870			14.825			.659		
20-20	23.887			.053			.098			.053			23.887			60-60	.416			.580			.625			.580			.416		
21-21	.643			23.805			23.854			23.805			.643			61-61	.171			.337			.382			.337			.171		
22-22	.413			.579			6.28			.579			.413			62-62	13.929			.095			.140			.095			13.929		
23-23	.189			.355			.400			.355			.189			63-63	.687			13.853			13.898			13.853			.687		
24-24	22.969			.135			.180			.135			22.969			64-64	.446			.612			.657			.612			.446		
25-25	.755			22.921			22.964			22.921			.755			65-65	.206			.372			.417			.372			.206		
26-26	.537			.703			.748			.703			.537			66-66	12.970			.136			.181			.136			12.970		
27-27	.319			.485			.530			.485			.319																		
28-28	.099			.265			.310			.265			.099																		
29-29	21.879			.045			.090			.045			21.879																		
30-30	.655			21.821			21.866			21.821			.655																		
31-31	.425			.591			.636			.591			.425																		
32-32	.193			.359			.404			.359			.193																		
33-33	20.957			.123			.168			.123			20.957																		
34-34	.717			20.883			20.928			20.883			.717																		
35-35	.473			.639			.684			.639			.473																		
36-36	.225			.391			.436			.391			.225																		
37-37	19.975			.141			.186			.141			19.975																		
38-38	.719			19.885			19.930			19.885			.719																		

TABLE OF ELEVATIONS FOR CONTROL OF SLAB THICKNESS

Slab Check Point	Top of Slab Elevation	Bottom of Slab Elevation	Computed Slab Thickness	Slab Check Point	Top of Slab Elevation	Bottom of Slab Elevation	Computed Slab Thickness	Slab Check Point	Top of Slab Elevation	Bottom of Slab Elevation	Computed Slab Thickness
A'	1128.116			S	1120.186						
B'	1128.116			T	1119.297						
C	1128.568			U	1119.297						
D	1126.759			V	1118.620						
E	1126.759			W	1117.505						
F	1126.136			X	1117.505						
G	1125.255			Y	1116.930						
H	1125.255			Z	1116.153						
J	1124.594			C'	1116.153						
K	1123.511			D'	1115.586						
L	1123.511			E'	1114.737						
M	1122.966			F'	1114.737						
N	1122.197			G'	1114.140						
O	1121.197			H'	1113.304						
P	1121.636			J'	1113.304						
Q	1120.815										
R	1120.815										

NOTE

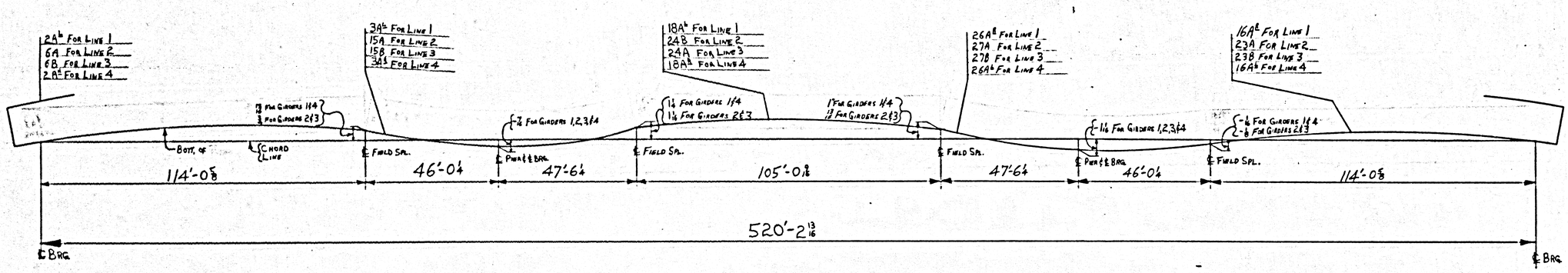
SLAB THICKNESS CONTROL: After the slab forms are erected and before the slab reinforcement is placed, the Resident Engineer shall take field elevations at the slab thickness check points and enter them in the table in the space provided. The slab thickness shall then be computed. If the computed slab thickness varies more than 1/4" from the plan thickness, allowing 1/360 of the slab span for deflection of the form work, the form shall be adjusted until the computed slab thickness is within the tolerance allowed.

SOUTHBOUND ELEVATIONS

I-75 SB. OVER LYNN CAMP CREEK SHEET 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
COVINGTON-LEXINGTON-TENN. STATE LINE
ROAD
STATION 1507+00.00 PROJECT NO.
BRIDGE NUMBER 16849

BRIDGE



YARD ASSEMBLY DIAGRAM FOR LINES 1,2,3 & 4

STATION 1507+00.00
DRAWING No. 16849

16849 1 of 38

SP 118-350-3285

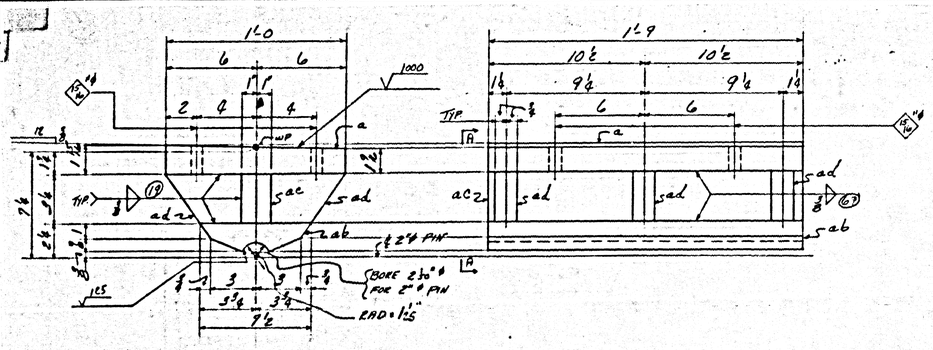
SALTSMAN CONSTRUCTION, INC.
KY HWY BR. I-75-2(13)ES WHITLEY CO. KY.
STRUCTURE SOUTH BOUND BRIDGE OVER LYNN CAMP CREEK

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY CIJ DATE 7-15-67 IN CHARGE LG
CHECKED BY GZ DATE 7-10-67 SHOP NO.
CONTRACT CE 5870-60 DRAWING NO. YA 2

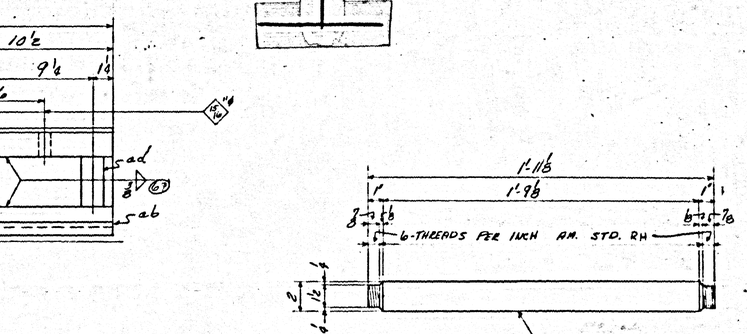
MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

REVISION

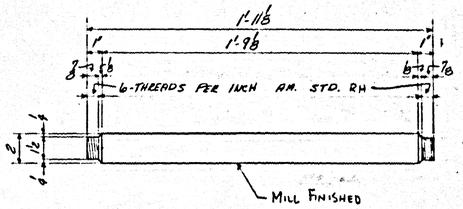
BRIDGE



VIEW AA

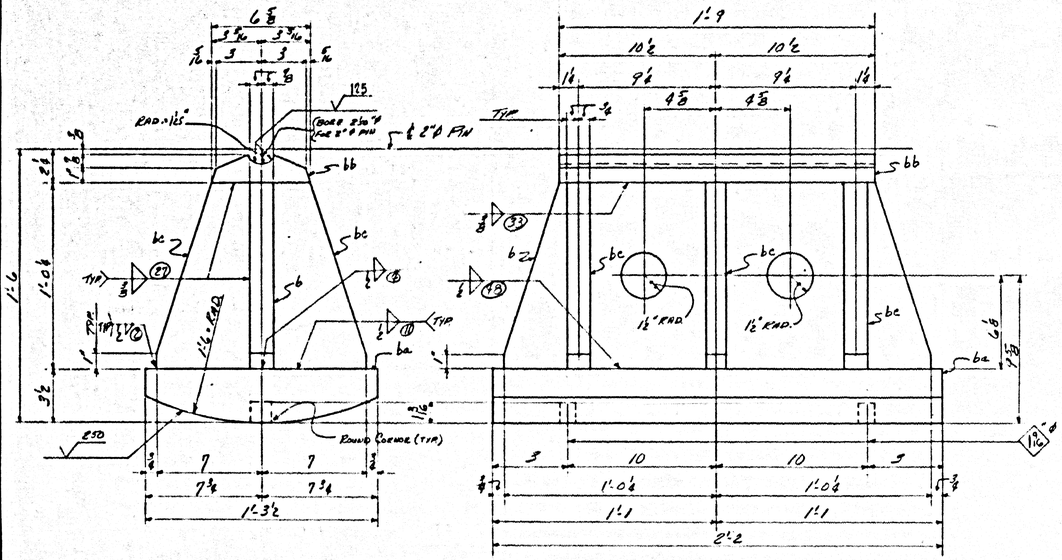


TOP SHOE - 1A

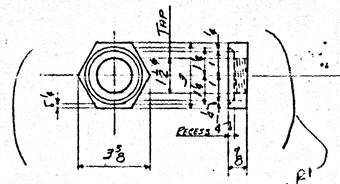


PIN 1C

MAT'L. ASTM - A108 GRADE 1016-1050 INCL.



ROCKER 1B



NUT 1D (TO FIT PINS 1C)

6-THD PER IN U.S. STD. RH

ASSEMBLY MARK	NO.	SHAPE	SHOP MILL SECTION				SHOP MILL LENGTH		REMARKS	SHIP'G WEIGHT	
			SIZE	BEND OR CAMBER	GRADE		FT.	IN.			
			1A - TOP SHOES - 1A								
a	16	PL	12			1 5/16	1	9	MIS		
ab	16	BR	7½			1 3/8	1	9			
ac	16	BR	3⅛			2	1	9	M2W		
ad	96	BR	3¼			1½	0	5	M2W		
FW	16	WD				⅜	15	3			
			1B - ROCKERS - 1B								
b	8	PL	12⅛			1 3/16	2	0½	M2W		
ba	8	PL	15⅛			3½	2	2	MIS		
bb	8	BR	6⅜			1⅜	1	9	FINISH AS SHOWN		
bc	48	BR	6⅛			1½	1	0¼	M2E		
FW	8	WD				⅜	16	3			
FW	8	WD				½	10	10			
			LOOSE MAT'L.								
1C	16	RD	2			1 11/16	F.R.Q.				
1D	32	HEX NUTS	FOR 2"ø PINS								

B	B		B	B		1D	32	NUT	
4	4		4	4		1C	16	PIN	
4			4			1B	8	ROCKER	
4	4		4	4		1A	16	TOP SHOES 1A1	
N1	N2	N3	S1	S2	S3	MARK	QTY	DESCRIPTION	REMARKS
INSTALLMENTS			REQUIRED LIST:						

R1 — DO NOT SHIP FROM THIS SHT. SHIP "Y" STRINGERS

NOTE:
SHOP N2 1

NOTE (A)
FINISHED SURFACES FOR PINS & PINS SHALL BE GIVEN ONE COAT WHITE LEAD & TALLOW OR OTHER APPROVED COATING

FOR GEN. NOTES SEE SHT. N2

MATERIAL ASTM-A36 (UN)

HOLES OR SLOTS

OPEN HOLES AS NOTED

ASSY. FIELD BOLTS

SHOP CONTRACT SURFACES NOT PAINTED

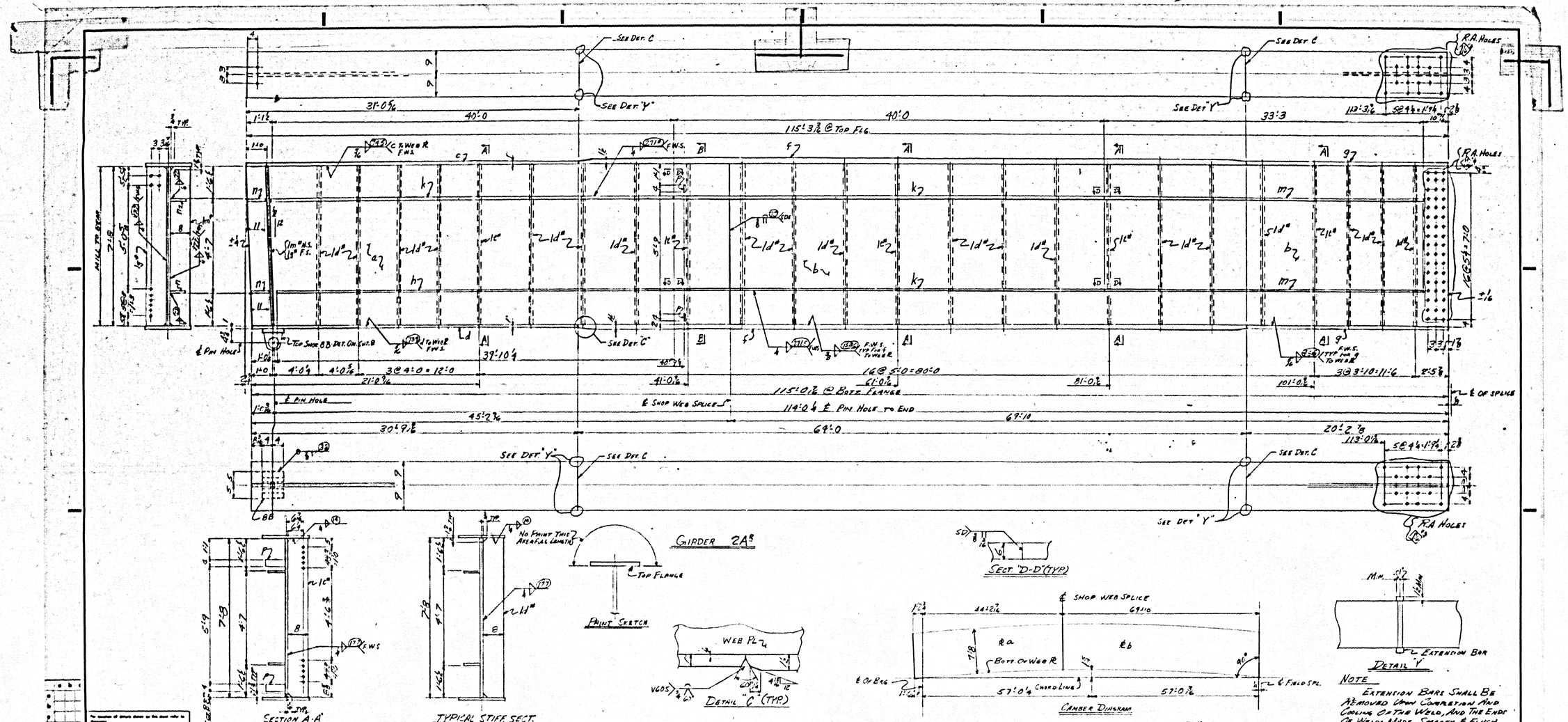
PAINT ONE CT. RED LEAD EXCEPT PINS AND FINISHED SURFACES FOR PINS, SEE NOTE (A)

SALTSMAN CONSTRUCTION, INC.
KY. HWY. BR. I-75-2(13)25 WHITLEY CO. KY.
STRUCTURE N.B. & S.B. BRIDGES OVER LYNN CAMP CREEK
BEARING MEMBERS
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY BV DATE 6-69 IN CHARGE L.G.
CHECKED BY G.A.B. DATE 7-7-69 SHOP NO. 1
CONTRACT CE-537(2)-004 DRAWING NO. 1

For location of details shown on this sheet refer to diagram

E1 & E3

BRIDGE



Shop Bill									
Piece Mark	Quantity Each	Mat.	Shape	Section		Length		Weight	Remarks
				Size	Thick. in	ft	in		
	2	Girder	1-2A8			121	4½		
a	2	Pl.	93⅜		⅜	45	5¾		
b	2	Pl.	93⅜		⅜	47	10		
c	2	Pl.	19		1	31	6¾		
d	2	Pl.	18		1	30	4⅝		
f	4	Pl.	18		1½	64	0		
g	4	Pl.	18		1	20	2⅞		
h	2	Bk.	6		⅜	34	10¼		
k	6	Bk.	6		⅜	40	0		
m	4	Bk.	6		⅜	33	3		
n	4	Bk.	6		⅜	0	11		
p	4	Bk.	4		⅜	0	7		
1d"	38	Bk.	8		½	7	8		FLE
1g"	2	Bk.	8		⅝	7	8		MZE
1m"	2	Bk.	8		⅝	7	8		MZE
1c"	10	Bk.	8		½	7	8		EZE
BB	2	Top Shoes							Det. On Sht. B

Weld Order							
Mark	Quantity	Weld	Size	Length		Remarks
				in	ft	in	
F.W.	2	W.D.	¼	33	0	
F.W.	2	W.D.	⅜	3	0	
F.W.S.	2	W.D.	¼	636	6	
F.W.S.	2	W.P.	⅝	209	8	
F.W.S.	2	W.D.	⅜	25½	0	
V60S	2	W.P.	1 x 6 2"	6	0	
SD	2	W.D.	⅜ Butt	2	0	
SDS	2	W.D.	⅜ Butt	7	8	

Note X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

Note

Extension Bars Shall Be Removed Upon Completion And Cooling Of The Weld, And The Ends Of Welds Made Smooth & Flush With The Edges Of The Plate. Grind Interior Side In Area That Is In Contact With Web Plate. Welds To Be Submerged Arc Welding Method.

3

For Gen Notes See Sht. GN1

Install	Required Lot			
Sl	Qty.	Mark	Description	Remarks
1	1	2A8	Girder 8'-6¼"x113'-8"	
1	1	2A8	do. do. do.	

Material A.S.T.M.-A36
Bolts or Bolts —
Open Holes 1⅛" ø U.N
A325 Field Bolts —
Shop Contact Surfaces N.P.
Welding - As Noted
Paint One Ct. Red Lead U.N.
Remarks - As Noted

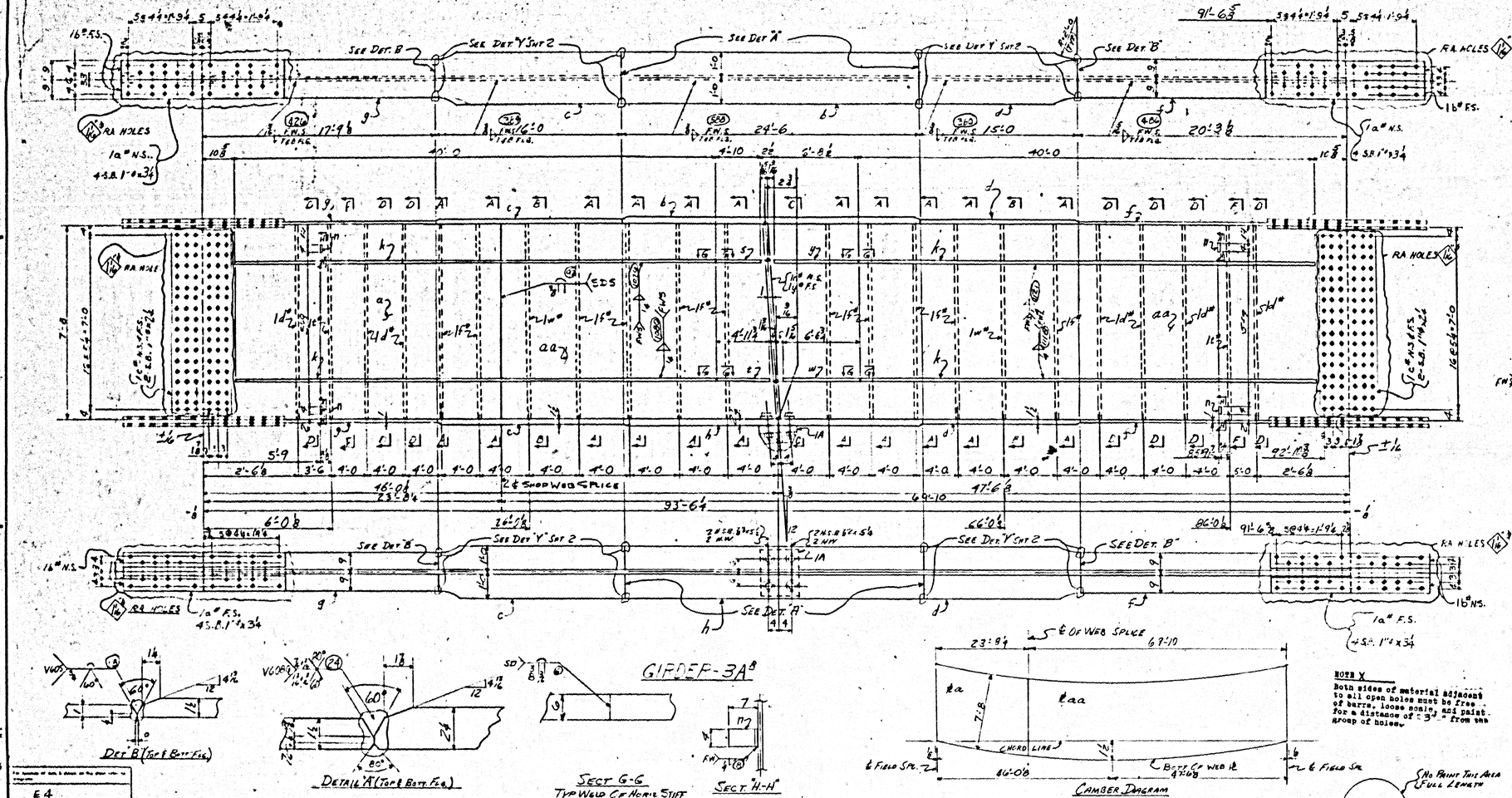
Contractor Saltsman Construction, Inc.
Ky. Hwy. Br. I-75-2(13) 25 Whitley Co.
Location S.B. Bridge Over Lynn Camp Creek
Girders (Lines 1 & 4)

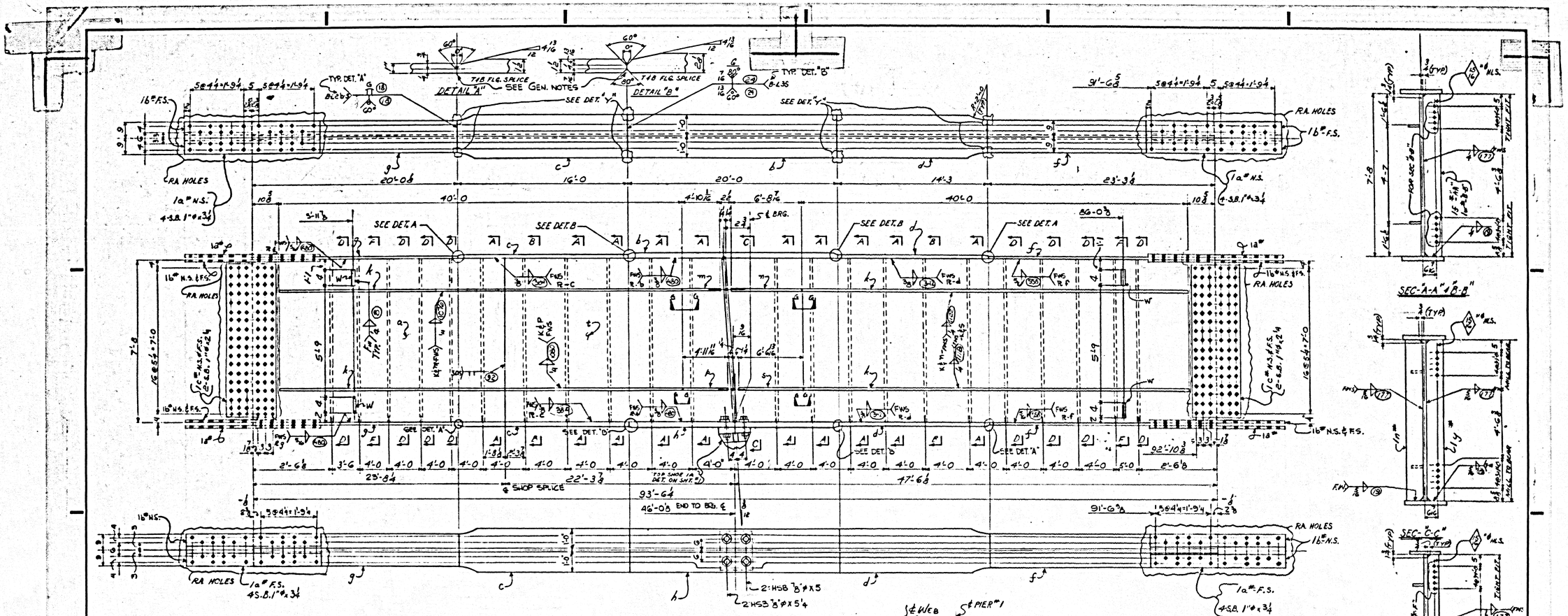
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

Chicago Drafting Room Easton, Pa. Works
Made by M.W.A. Date 2-12-62 Shop Order L.G.
Checked by N.L. Date 2-20-62 Shop No.

Contract CE 5879-001 Drawing No. 2

BRIDGE


SEE DET. B
SEE DET. 'Y' SHT 2
SEE DET 'A'
SEE DET 'B'
RA HOLES
16" NS.
1a" NS.
1a" FS.
4 S.B. 1'-4 x 3/4
SEE DET 'A'
SEE DET. 'B'
SEE DET. 'Y' SHT 2
SEE DET. B'
16" FS.
1a" N.S.
4 S.B. 1'-4 x 3/4
1a" F.S.
4 S.A. 1"-4 x 3/4
2 SHOP WEB SPLICE
93'-6 1/4
69'-10
97'-6 3/8
91'-6 3/8
5@4'-1'-9 1/4
16'-0 1/4
25'-8 1/4
6'-0 3/8
26'-1 1/2
66'-0 1/2
86'-0 1/2
40'-0
24'-6
15'-0
20'-3 3/8
17'-9 3/8
16'-0
10 3/8
7'-9
7'-8
16 1/2 SEE 4-1-210
5'-9
2'-6 3/8
3'-6
4'-0
16'-0 1/4
25'-8 1/4
92'-10 3/8
33'-6 3/8
2'-6 3/8
5'-0
1/4
1/8
1/16
3/8
1/2
5/8
3/4
7/8
1"
1 1/4"
1 1/2"
1 3/4"
2"
2 1/2"
3"
3 1/2"
4"
4 1/2"
5"
5 1/2"
6"
6 1/2"
7"
7 1/2"
8"
8 1/2"
9"
9 1/2"
10"
10 1/2"
11"
11 1/2"
12"
12 1/2"
13"
13 1/2"
14"
14 1/2"



E2

MARK	NO.	SIZE	SHOP BILL SECTION THK	SECTION WIDTH	LENGTH FT.	LENGTH IN.	REMARKS
		2 GIRDERS - 1 - 4A^B & 1 - 4A^C					
a	2	PL	9⅜	⅜	23	8¼	
t	2	PL	9⅜	⅜	69	10	
b	2	PL	24	2½	20	0	
c	4	PL	24	1½	16	0	
d	4	PL	24	1½	14	3	
f	4	PL	18	1	23	3⅛	
g	4	PL	18	1	20	0⅛	
h	2	PL	24	2½	20	0	
k	3	BR	G	⅜	40	0	
m	2	BR	G	⅜	4	10⅛	
n	2	BR	G	⅜	6	8⅞	
p	2	BR	G	⅜	4	11⅛	
s	2	BR	G	⅜	6	6⅛	
w	8	BR	4	⅝	0	7	
16"	20	PL	10	⅝	7	8	FCE
16"	4	PL	10	⅝	7	8	FCE
10"	2	PL	10	1	7	8	MCE
14"	2	PL	10	1	7	8	MCE
17"	1	PL	10	1½	7	8	FCE

MARK	NO.	SIZE	MILL ORDER LENGTH FT.	LENGTH IN.	WEIGHT PIECE	WEIGHT LINE
a	2	PL	25	8	21	01
t	2	PL	70	0	21	92
b	2	PL	20	2	01	10
c	4	PL	16	2	01	09
d	4	PL	19	6	01	11
f	4	PL	23	6	01	12
g	4	PL	20	6	01	09
h	2	PL	20	2	01	10

1a"	4	SQR	8	1/2	7	8	FCE
1½"	16	FL	8½	9/16	4	3½	
1a"	8	PL	18	9/16	4	3½	
1c"	8	PL	20	5/8	7	6	
	4	HS	7/8"		0	5¼	
	8	NUT FOR 7/8" HSB					
	4	W.D. "B"			0	5	
1A	2	TOP SHOES					DET. ON SHT. 1
FWS	2	FWD.		5/16	202	6	
FWS.	2	FWD.		5/8	201	0	
FWS.	2	FWD.		1/4	690	10	
F.W.	2	FWD.		1/4	31	6	
F.W.	2	FWD.		5/16	3	2	
SD	2	FWD.		3/8	2	0	
SDS	2	FWD.		3/8	7	8	
	8	SB	1"ø		0	2⅛	
	32	SB	1"ø		0	3⅛	

INSTALL	QTY	MARK	REQUIRED LIST DESCRIPTION	REMARKS
NO	1	4A^B	GIRDER 8'-8½" x 93'-6	
1	1	4A^C		

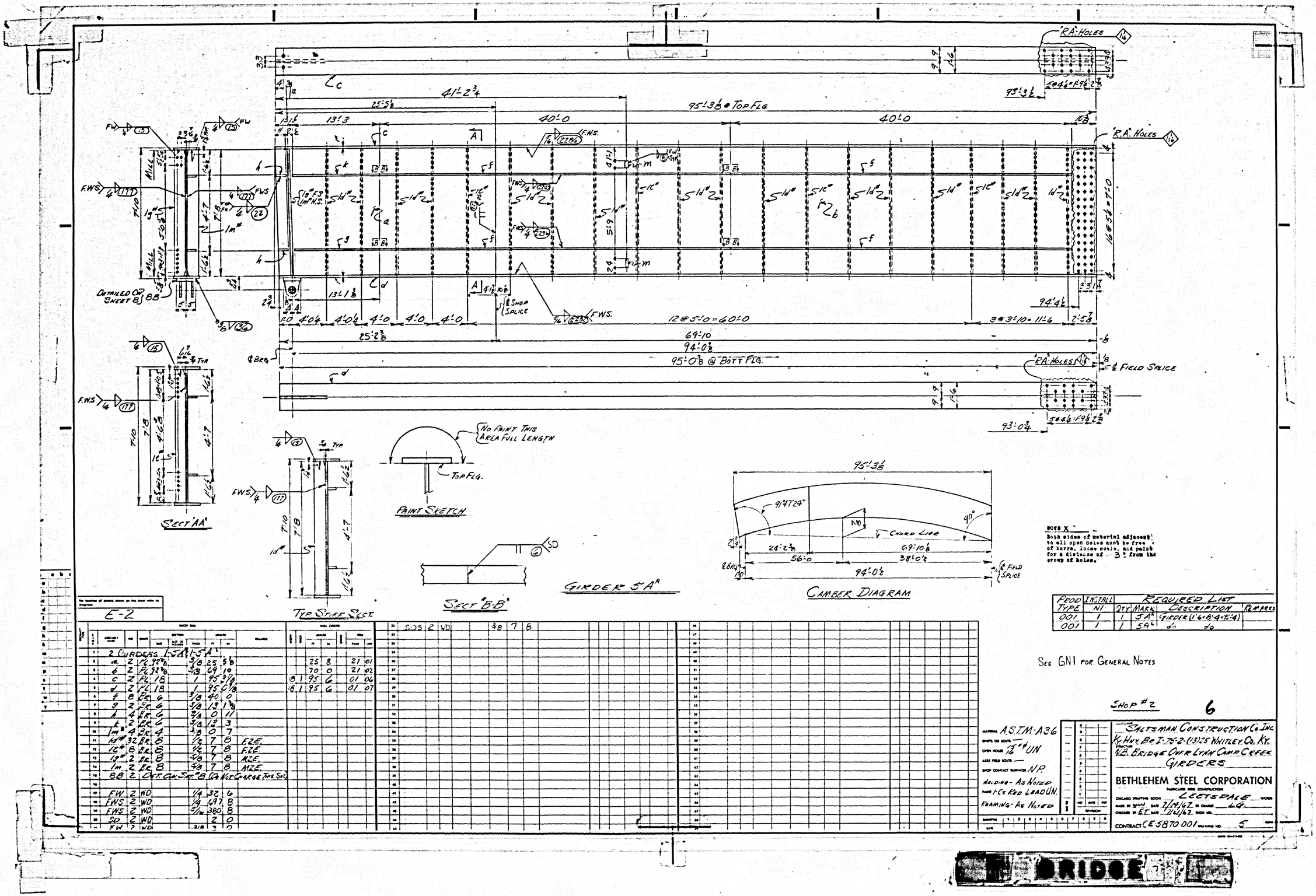
SHOP # 2 S

MATERIAL A.S.T.M.-A36
BEARING SOLES AS NOTED
OPEN HOLES 1 1/16" DIA.
ASSY FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING-AS NOTED
PAINT 1-CI RED LEAD
REAMING-AS NOTED

SALTSMAN CONSTRUCTION INC.
KY HWY. BR I-75-2(13)25 WHITLEY CO. KY
STRUCTURE N.B. BRIDGE OVER LYNN CAMP CREEK
(GIRDERS)

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY JSK DATE 7-19-67 IN CHARGE L. GOTHBERG
CHECKED BY EF DATE 7/25/67 SHOP NO.
CONTRACT CE 5270-001 DRAWING NO. 4

BRIDGE



BOLTS X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

PROD TYPE	INSTALL	QTY	MARK	DESCRIPTION	REMARKS
001	1	1	5A^R	GIRDER (1-6'-8'-4"-1)	
001	1	1	5A^L	do do	

SEE GN1 FOR GENERAL NOTES

SHOP # 2 6

E-2

2 GIRDERS 1-5A^R 1-5A^L

	a	2	PL	98 1/2		3/8	25	5 1/2			21	01	
	b	2	PL	98 1/2		3/8	69	10			21	02	
	c	2	PL	18		1	95	3/8	18	1 95 6	01	04	
	d	2	PL	18		1	95	0 1/8	18	1 95 6	01	07	
	f	8	PL	6		3/8	40	0					
	g	2	SR	6		3/8	13	1 3/8					
	h	4	BR	6		3/8	0	11					
	k	2	BR	6		3/8	12	3					
	1m	4	BR	4		3/8	0	7					
	16	32	BR	8		1/2	7	8	F.R.E.				
	16^a	8	BR	8		1/2	7	8	F.R.E.				
	19^a	2	BR	8		5/8	7	8	M.R.E.				
	1m	2	BR	8		5/8	7	8	M.R.E.				
	88	2	CAT. CR. STF. 8						CA. W. CHARGE TYPE SAT.				
	FW	2	WD			1/4	32	6					
	FWS	2	WD			1/4	697	8					
	FWS	2	WD			5/16	380	8					
	SD	2	WD				2	0					
	FW	1	WD			3/8	3	0					

SIDS 2 WD 38 7 8

MATERIAL A.S.T.M.-A36
RIVETS OR BOLTS —
OPEN HOLES 7/8" UN
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1 CK RED LEADLIN.
FRAMING - AS NOTED

SALTSMAN CONSTRUCTION Co. INC.
KY. HWY. BR. I-75-2-(13)25 WHITLEY Co. KY.
STRUCTURE N.B. BRIDGE OVER LYNN CAMP CREEK
GIRDERS

BETHLEHEM STEEL CORPORATION
FABRICATING SHOP CONSTRUCTION
CHICAGO DRAFTING ROOM SHEETS PALE WORKS
DRAWN BY JPW DATE 7/14/62 W. ORDER —
CHECKED BY E.T. DATE 7/24/62 SHOP NO. —
CONTRACT CE 5870 001 DRAWING NO. 5

BRIDGE

SEE DET "H"

SEE DET "Y" SH "2"

"RA" HOLES

115'-5 3/16 @ TOP

45'-5 3/16 @ TOP

31'-0 5/16

20'-0 11/16

19'-10

113'-3 9/16

12'-11 7/8

19'-11 1/16

11'-0 9/16

4'-0 3/4

4'-0 5/16

2'-0

2'-0

4'-0

4'-0

21'-0 9/16

31'-0 9/16

41'-0 9/16

51'-0 9/16

61'-0 9/16

71'-0 9/16

81'-0 9/16

91'-0 9/16

101'-0 9/16

111'-0 9/16

114'-4 9/16

69'-10

20'-0 9/16

30'-9 9/16

16 @ 5'-0 = 80'-0

C & O

114'-0 1/4 ℄ PIN HOLE TO END

115'-0 5/16 @ BOTT

20'-2 3/8

3'-10

3'-10

2'-4

1'-6

2'-5 3/8

16'-6 1/2

SEE DET "Y" SH "2"

SEE DET "H"

113'-0 13/16

BB (DET ON SHT 2)

SEC "AA"

SEC "B-B"

SEC "C-C"

SEC "D-D"
TYP TOP & BOTT

GIRDER GA AS SHOWN

" GB OPPHAND (TO SKETCH)

WORK WITH SHEET GBB 7

SALTSMAN CONSTRUCTION INC.

KY. HWY PR T-75-2(13)25 WHITLEY CO.

STR. BRIDGE OVER LYNN CAMP CREEK

GIRDERS (LINES 2 & 9)

BETHLEHEM STEEL CORPORATION

CHICAGO DRAFTING ROOM LEESDALE WORKS

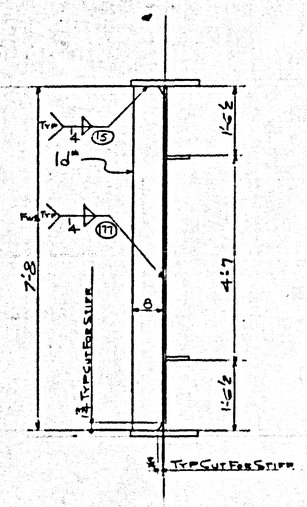
MADE BY LN DATE 1-19 IN CHARGE LG

CHECKED BY NL DATE 7-22-67 SHOP NO.

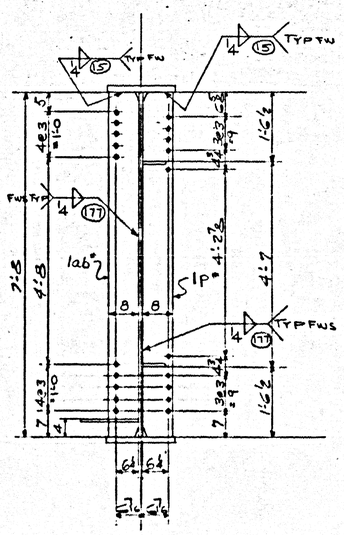
CONTRACT SE 5870-091 DRAWING NO. GAB

E4

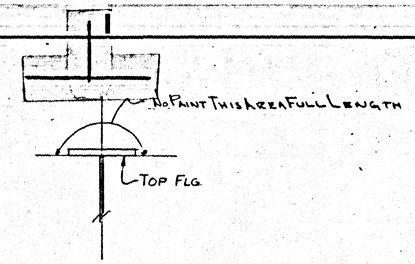
BRIDGE



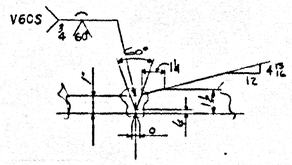
Sec "F-F"
Typ Stiff Sec.



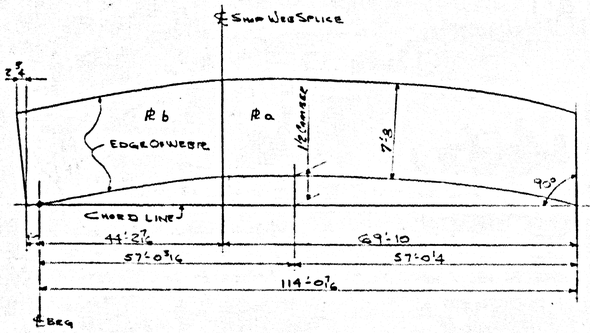
Sec "G-G"



Paint Sketch



Det. "H"



Camber Diagram

Assembly Mark	No.	Mark	Section		Length		Remarks	Field Changes	
			Web	Flange or Angles	ft	in		Add'n	Rem'd
	2	GA	Girders		114	6			
a	2	PL	93½		⅞	69	10		
b	2	PL	93½		⅞	45	5⅝		
c	2	PL	18		1	31	0⅝		
d	2	PL	18		1	30	9⅜		
f	4	PL	18		1½	64	0		
g	4	PL	18		1	20	2⅜		
r	4	BR	6		⅜	0	11		
k	2	BR	6		⅜	20	0 1/16		
m	2	BR	6		⅜	19	11⅛		
n	16	BR	6		⅜	19	10		
p	4	BR	6		⅜	12	11⅛		
1d"	40	BR	8		½	7	8	2 for A 2 for B	FZE
1k"	2	BR	8		⅝	7	8		MZE
1k"	2	BR	8		⅝	7	8		MZE
1p"	10	BR	8		½	7	8		FZE
1ab"	10	BR	8		½	7	8		FZE
S	6	PL	15¼		⅜	2	10	A	
t	5	PL	15¼		⅜	2	10	B	
w	1	PL	15½		⅜	1	6¼	B	
BB	2		Top Shoe					Det on Sh "B"	
V60S	2	WD	1x60°			7	8		
SDS	2	WD	¾ Butt			6	0		
FWS	1	WD			¼	936	1	A	
FWS	1	WD			¼	906	7	B	
FWS	2	WD			5/16	204	7		
FWS	2	WD			⅜	256	0		
FW	1	WD			¼	74	5	A	
FW	1	WD			¼	69	2	B	
FW	1	WD			⅜	3	0		

Install	Required List			
	Qty	Mark	Description	Remarks
1	1	GA	Girder B'-6 x 2'-0 x 115'-4	As Shown
1	1	GB	" " " "	Opp Hand

Work This Sheet With Shop GAB

See GN1 For General Notes

8

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

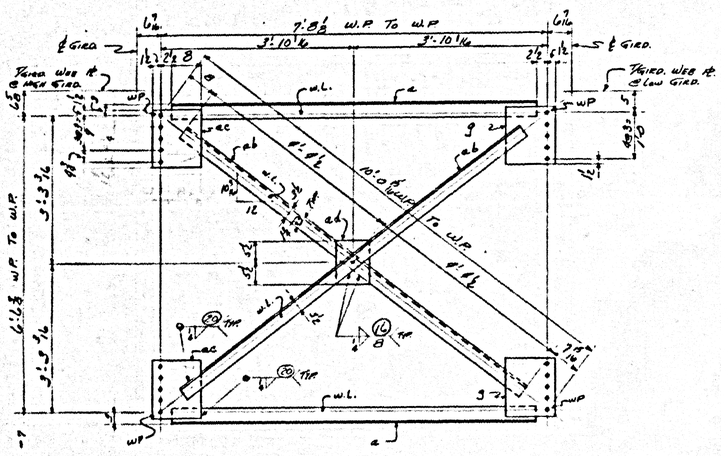
Material ASTM-A36
Bolts or Rivets None
Open Holes 1⅛ UN.
Assn Field Bolts —
Shop Contact Surfaces NP
Welding As Noted
Paint 1 Ct. Red Lead Oil
Reaming As Noted

Fabricated by Saltsman Construction Inc.
Project Ky Hwy Br. I-75-2(13) 2 E Whitley Co.
Structure S.B. Bridge Over Lynn Camp Creek
Girders (Line 2&3)

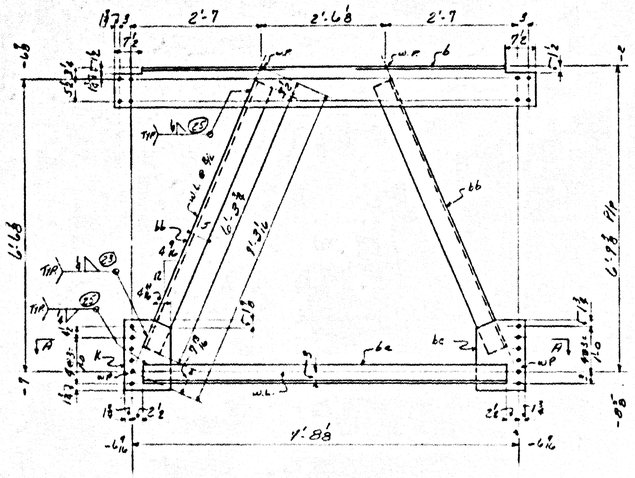
BETHLEHEM STEEL CORPORATION
Fabricated Steel Construction
Detailed at the Shop Leesdale Works
Date 7-15 By LG
Checked Date 7-22-62 Shop No.
Contract CE 5870-002 Drawing No. GBB

E4

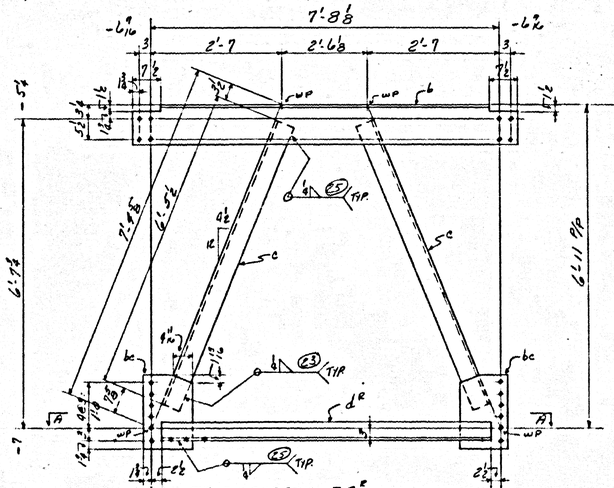
BRIDGE



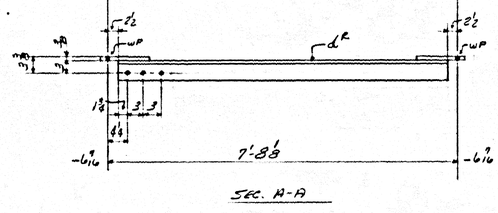
DIAPHRAGM 7A



END DIAPHRAGM 7B



END DIAPHRAGM 7C



SEC. A-A

SHOP BILL									FIELD ORDER		
ASSEMBLY MARK	NO.	GRADE	SECTION SIZE	SECTION WGT. OR POUNDS	WIDTH	LENGTH FT.	LENGTH IN.	REMARKS	LENGTH FT.	LENGTH IN.	F. MEN PIECE
		92	- DIAPHRAGMS - 7A								
a	184	ST	9	8.5		7	3⅛		66	10	6 0
ab	184	L	3½	3	⅜	8	9				
ac	184	PL	12		⅜	1	4¾				
ad	72	BR	7		⅜	0	11				
g	184	PL	12		⅜	1	3				
F.W.	72	WD			¼	16	0				
		8	- DIAPHRAGMS	7B							
b	8	ST	10	34		8	5⅝		8	6	11 0
bc	8	L	5	5	⅜	7	3½		60	0	5 15
bb	16	L	5	5	⅜	6	5¾				
k	8	PL	12		⅜	1	0				
bc	8	PL	12		⅜	1	6½				
F.W.	8	WD			¼	12	2				
		4	- DIAPHRAGMS	2-7C & 2-7C							
b	4	ST	10	34		8	5⅝				11 0
bc	8	PL	12		⅜	1	6½				5 15
c	8	L	5	5	⅜	6	5½				
d & d'	32	L	5	5	⅜	7	3⅛				
F.W.	4	WD			¼	12	2				

		1	7C'	2	7-4 x 9 x 8'-6
1		1	7C	2	7-3 x 9 x 8'-6
2	2	2 2	7B	8	DIAPH. 7'-3 x 9 x 8'-6
12	12	10 14 14 10	7A	92	DIAPH. 7'-1 x 9 x 8'-0
N1	N2	N3 S1 S2 S3	MARK	REQD	DESCRIPTION

REMARKS

INSTALLMENTS

REQUIRED LIST:

FOR GEN. NOTES SEE SHT. GN1

MATERIAL ASTM-A36

RIVETS OR BOLTS —

OPEN HOLES 15/16"ϕ

A325 FIELD BOLTS 7/8"ϕ

SHOP CONTACT SURFACES N.P.

WELDING AS NOTED

PAINT 1-SHOP CT. P.L. (A) (SEE NOTE X)

SUBMITTED

REVISION

9

SALTSMAN CONSTRUCTION INC.

KY. HWY. BRDG. I-B-2(13) 25 WHITLEY COUNTY KY.

STRUCTURE VFG. BOUND BRDG. OVER LYNN CAMP CREEK

DETAILS: DIAPHRAGMS

BETHLEHEM STEEL CORPORATION

FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM LEETSDALE WORKS

MADE BY B.V. DATE 7/17/67 W. CHARGE

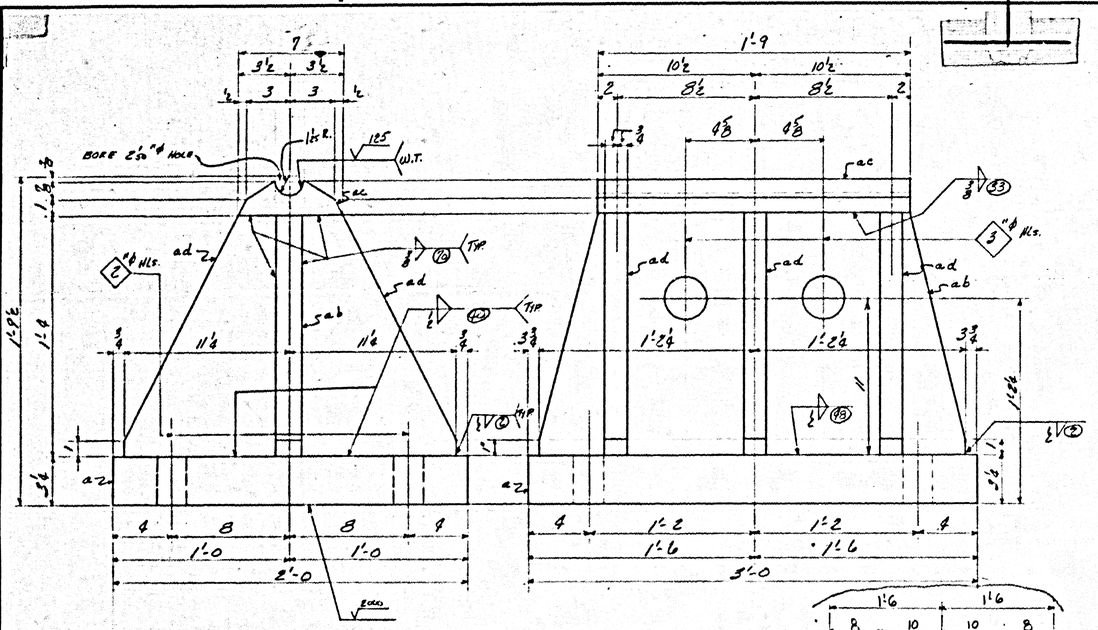
CHECKED BY PJS DATE 7-26-67 SHOP NO.

CONTRACT 68-5870-062 DRAWING NO. 7

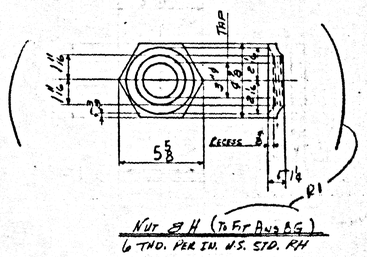
For location of details shown on this sheet refer to Diagram

E4

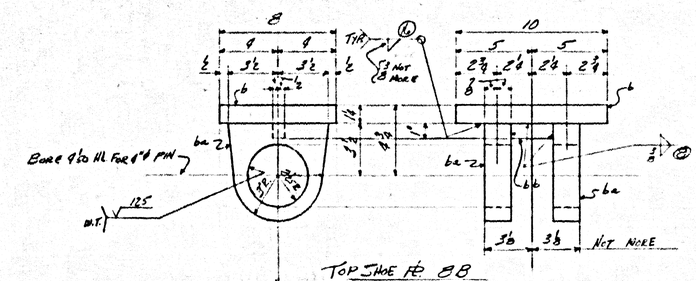
BRIDGE



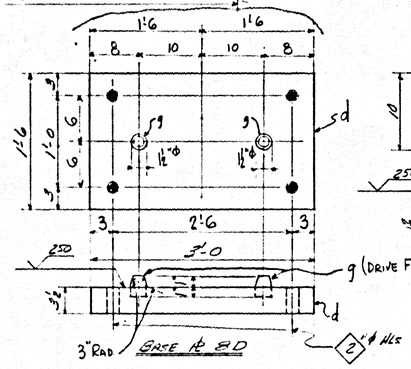
FIXED SHOE 8A



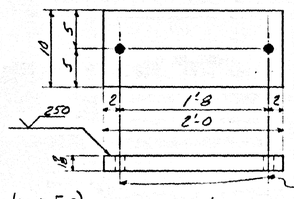
NUT 8H (TO FIT AUG 8G)
6 THD. PER IN. U.S. STD. RH



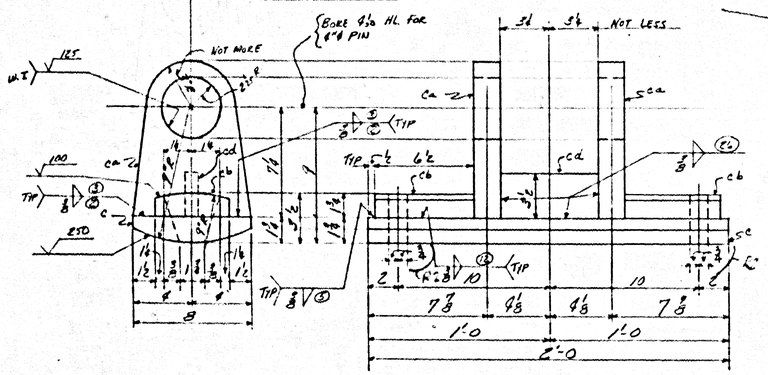
TOP SHOE 8B



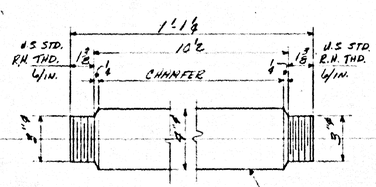
BASE # 8D



BASE # 8F



ROCKER 8C



PIN 8G
MAT'L ASTM-A108
GRADE 1016-1050

R1 (DO NOT SHIP FROM THIS SHP. SHIP 4 STRINGERS)

SHOP NOTE:-
FINISHED SURFACES MARKED W.T. TO BE GIVEN (1) ONE CT. OF WHITE LEAD & LINSEED OIL OR OTHER APPROVED COATING.

SHOP BILL

ASSEMBLY MARK	NO.	SHAPE	SECTION		LENGTH		REMARKS
			SIZE	SIZE OR NUMBER	INCHES	FT.	IN.	
	8	- FIXED SHOE - 8A						
a	8	PL	24		3 1/16	3	0	MIS
ab	8	PL	16		1 3/8	2	4 1/2	M2W
ac	8	BR	7		1 3/8	1	9	F/W. MS. SHOWN
ad	48	PL	10 5/8		1 1/2	1	4	M2E
FW	1	WD			5/8	162	0	
FW	1	WD			1/2	122	8	
	16	- TOP SHOE - 8B						
b	16	BR	8		1 1/4	0	10	(USE 8W)
ba	32	BR	6 1/2		1 3/8	0	7	
bb	16	BR	1		1	0	2 3/4	
F.W.	1	WD			3/8	53	4	
	16	- ROCKER - 8C						
c	16	BR	8		1 1/4	2	0	MIS (USE 8W)
ca	32	BR	8		1 3/4	0	10 1/4	M1E (USE B1W)
cb	32	BR	5	R1	1 3/8	0	6 1/2	MIS
cd	16	BR	3 1/2		1	0	6 1/2	
F.W.	1	WD			5/8	106	8	
	8	- BASE PLATES - 8D						
d	8	PL	18		2 1/2	3	0	MIS
g	16	RD	1 1/4			0	2	FAO
		Loose Matl.						
8H	32	NUT 3"ϕ THD FOR 6"ϕ PIN						
8G	16	PD	9"		1	1 1/4	FM. AS SHOWN	
8F	16	PL	10		1 1/8	2	0	MIS

R1 ( )

MARK	NO.	DESCRIPTION	REMARKS
8	8	FIXED SHOE	
8A	8	BASE PL	
8D	8	BASE PL	
8C	16	ROCKER	
8B	16	TOP SHOE	
8H	32	NUT	
8G	16	PIN	
8F	16	BASE PL	

NW1	NW2	N3	S1	S2	S3	NWX	WGD

INSTALLMENTS

REQUIRED LIST:

SHOP No. 1 — 10

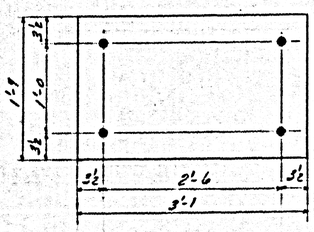
SEE SHT. FOR GEN. NOTES

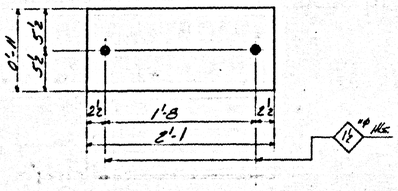
MATERIAL ASTM-A36 (U.N.)
RIVETS OR BOLTS —
OPEN HOLES AS NOTED
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1 CT. R.L. U.N.

SALTSMAN CONSTRUCTION INC.
KY. HWY. ENDS. I-75-2(12)25 WHITLEY COUNTY KY.
VFD S.B. BRDG. OVER LYNN CAMP CREEK
BEARING DETAILS
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
FLEETSDALE
CHICAGO DRAFTING ROOM — WORKS
MADE BY B.N. DATE 7-11 IN CHARGE L.G.
CHECKED BY CAD DATE 7-18-62 SHOP NO. (INC.)
CONTRACT OF 5870-004 DRAWING NO. 8

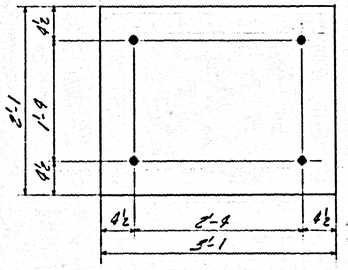
E1 & E3

BRIDGE

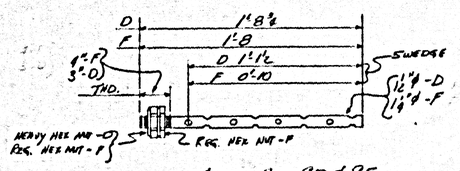




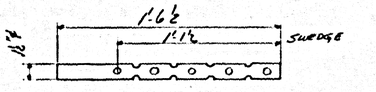
LEAD # 9B
ASTM - B29



LEAD # 9A
ASTM - B29

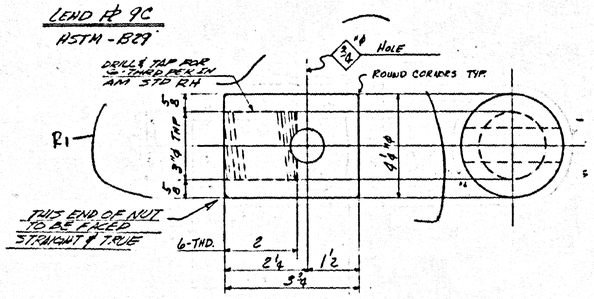


ANCHOR BOLT 9D & 9F

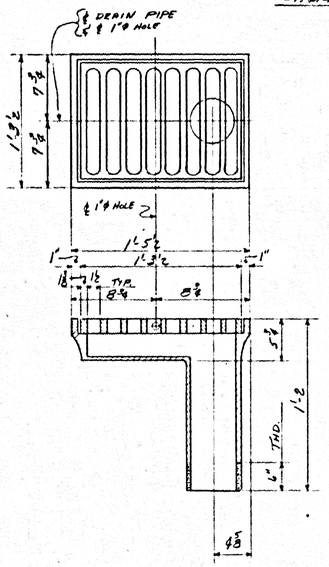


DOWEL ANCHOR BOLT 9G

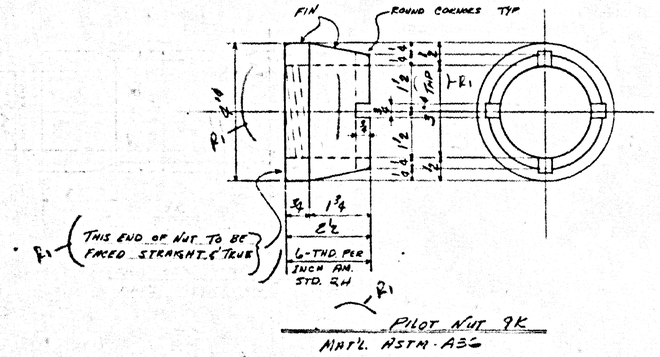
LEAD # 9C
ASTM - B29



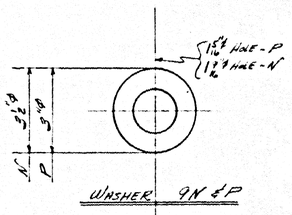
DRIVING NUT 9M
MAT'L. ASTM A36



SCUPPER 9N
GRAY IRON CASTINGS ASTM-A48-CLASS 30
NEENAH R-3961 (HEAVY DUTY)



PILOT NUT 9K
MAT'L. ASTM-A36



WASHER 9N & P

STOCK BILL																FINAL CARDS			
ASSEMBLY MARK	NO.	SHAPE	SECTION		SIZE OR POLARITY	LENGTH		NO.	REMARKS	REPEATED		PIECE	
						FT.	IN.			FT.	IN.	MARK	NO.
			LOOSE MAT'L.										
	9A	8	PL	17		1/8	3	1	LEAD #				
	9B	16	PL	11		1/8	2	1					
	9C	8	PL	25		1/8	3	1					
	9G	32	RD	1½		1	6½		DET. ON M1			17	M
		32	ANCHOR BOLTS 9D DET. ON M1										
		32	RD HVY HEX	½		1	3¾					17	M
		32	HVY HEX	NUT 1½"ø TAP								AM	G
		32	ANCHOR BOLTS 9F DET. ON M1										
		32	RD HVY HEX	1¼		1	8					17	G
		64	HVY HEX	NUT 1¼"ø TAP								AM	G
		28	SCUPPERS 9N									AM	I
		28	NEENAH FOUNDRY Co. #. SCUPPER DRAINS TYPE R-3961 (HEAVY DUTY) WEIGHT 875#										
		2	PILOT NUTS 9K										
	9K	2	RD	4"ø		0	2½					AM	E
		2	DRIVING NUTS 9M									AM	C
	9M	2	RD	4"ø		0	3½						
			LOOSE MAT'L.										
	9N	32	W	3½"ø		3/8	WASHER 1 1/16"ø HL.						
	9P	32	W	3"ø		3/8	WASHER 1 1/8"ø HL.						

R1									
8	8		8	8		9P	32	WASHER	
	16		16			9N	32	WASHER	
1			1			9M	2	DRIVING NUT	
1			1			9K	2	PILOT NUT } R1	
		14			14	9N	28	SCUPPER	
16				16		9G	32	DOWEL ANCHOR BOLT	
8	8		8	8		9F	32	ANCHOR BOLT	
	16		16			9D	32	ANCHOR BOLT	
	4		4			9C	8	LEAD #	
4	4		4	4		9B	16		
4			4			9A	8		
N1	N2	N3	S1	S2	S3	MARK	REQ'D.	DESCRIPTION	REMARKS

INSTALLMENTS REQUIRED LIST:

SHOP No. 1 11

See Sht. For Gen. Note:

MATERIAL ASTM - A36 U.N.
BEVELS OR BOLTS —
OPEN HOLES 2"ø U.N.
ADD'S FIELD BOLTS —
SHOP CONTRACT SURFACE N.P.
WELDING —
PAINT None

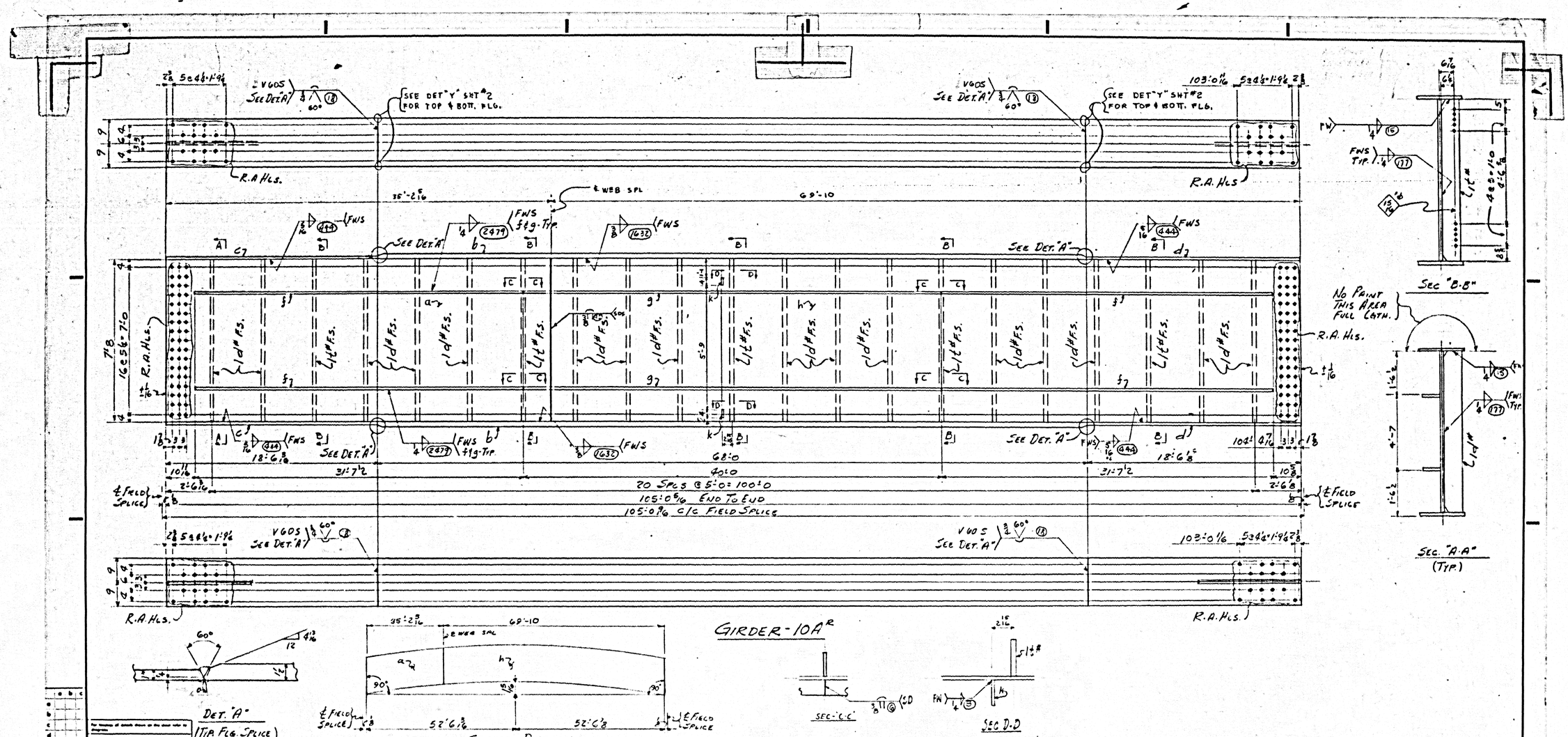
PURCHASER Jaltsman Construction Inc.
Ky. Hwy. Projs. I-75-2(13)85 Whitley Co. Ky.
LOCATION
Details: Anchor Bolts, Lead #'s, Scuppers

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO SHIPPING WORKS Lee/Scale WORKS
MADE BY E.K. DATE 9-18 IN CHARGE C.G.
CHECKED BY CAD (Ad.) DATE 1-18-62 SHOP NO.
CONTRACT CE 5870-007 DRAWING NO. 9

REVISION: 1 4 CAL

For location of details shown on this sheet refer to drawing E1 & E3



E2

2 - GIRDERS 10A R & 10A L

	a	2	PL	93 1/16	3/8	35	7 1/16			
	b	4	PL	18	1 1/2	68	0			
	c	4	PL	18	1	18	6 3/16			
	d	4	PL	18	1	18	6 3/16			
	f	8	BR	6	5/16	31	7 1/2			
	g	4	BR	6	3/8	40	0			
	1d#	32	BR	8	1/2	7	8	FIE		
	1f#	10	BR	8	1/2	7	8	FIE		
	h	2	PL	93 1/16	3/8	69	10			
	n	4	BR	4	3/8	0	7			

a	35	5		21	5	
b	68	6		1	13	
c	18	7		1	14	
d	18	9		1	14	
h	70	0		21	6	

WELD

SD	2	NO	3/8 BUTT	2	0	
FWS	2	WD	1/8	722	11	
FWS	2	WD	5/16	148	0	
FWS	2	WD	3/8	272	0	
VGOS	2	NO	1460°	6	0	
SOS	2	NO	3/8 BUTT	7	8	
FW	2	NO	1/4	27	7	

INSTALL	QTY.	MARK	DESCRIPTION	REMARKS
N3			REQUIRED LIST	
1	1	10A R	GIRDER B-1-11-6YR5-1	
1	1	10A L	Do "	

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

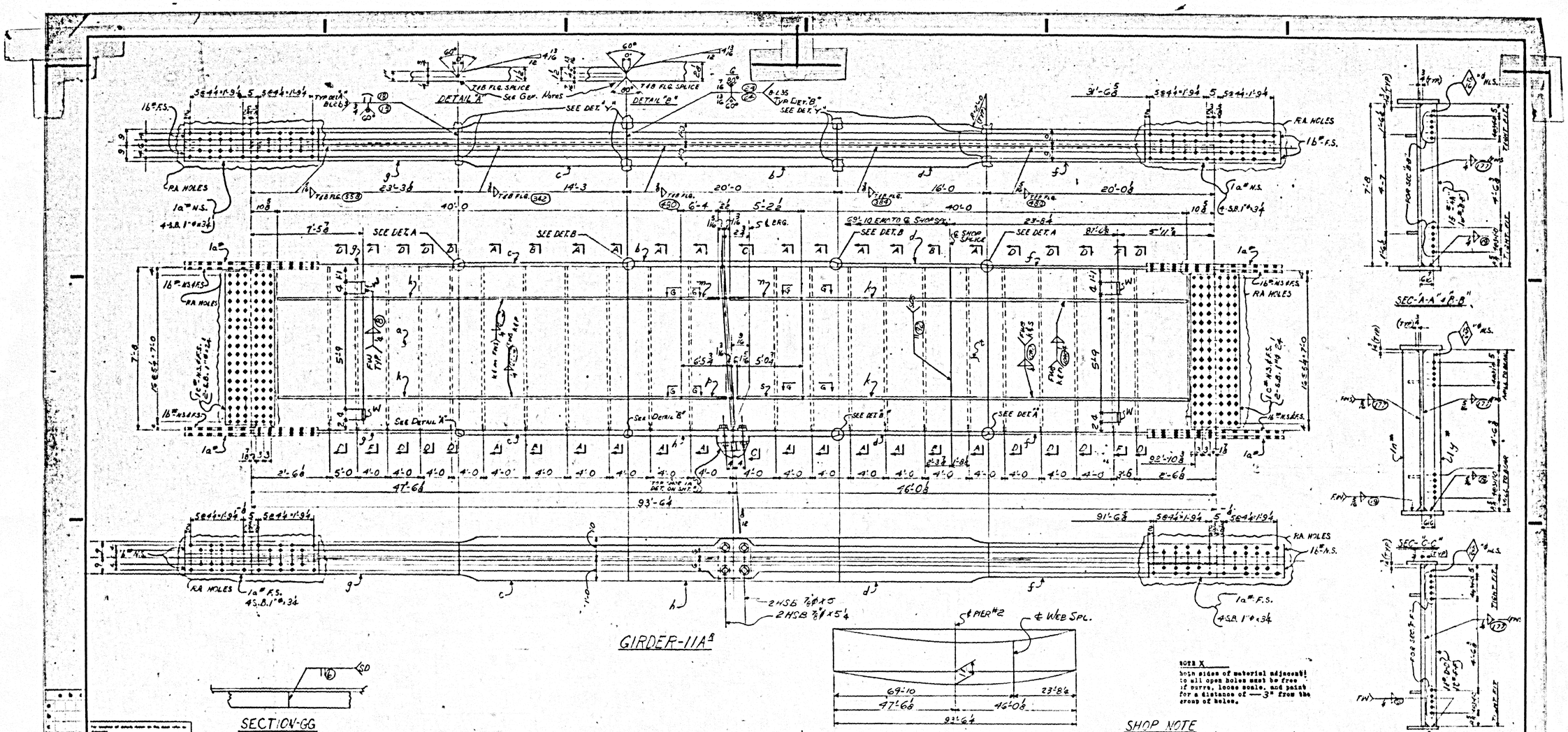
FOR GEN NOTES SEE SHT SH1
MATERIAL ASTM-A36
RIVETS OR BOLTS
OPEN HOLES 11/16" ø UN
ASSD FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1-CT R.L.U.N. (SEE NOTE X)
REAMING - SEE GEN NOTES

SHOP # 2 12

SALTSMAN CONSTRUCTION INC.
KY. HWY. BRIDGE I-75-2 (13) 25 WN-KEY CO.
N.B. BRIDGE OVER LYNN CREEK
GIRDERS

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEDYARD WORKS
MADE BY ET DATE 7-10-67 IN CHARGE L. GOTHBERG
CHECKED BY DATE 7-12-67 SHOP NO.
CONTRACT CE5870-001 DRAWING NO. 10

BRIDGE



NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of —3" from the group of holes.

E2

MARK	NO.	SHAPE	SHOP BILL LENGTH FT.	SHOP BILL LENGTH IN.	SHOP BILL WEIGHT EACH	SHOP BILL WEIGHT TOTAL	REMARKS	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	MILL ORDER WEIGHT
	2 GIRDERS - I-IIA3 & I-IIA									
a	2	PL 93¼		7/8	69	10		70	0	21 82
c	2	PL 93¼		1½	25	8¼		25	8	21 01
b	2	PL 24		2 1/8	20	0		20	2	01 10
e	4	PL 24		1½	14	3		14	6	01 11
d	4	PL 24		1½	16	0		16	2	01 09
f	4	PL 18		1	20	0⅛		20	6	01 08
g	4	PL 18		1	23	3⅛		23	6	01 12
h	2	PL 24	2⅛	20	0			20	2	01 10
k	6	CS G	3/8	40	0					
m	2	LL G	3/8	6	4					
n	2	LS G	3/8	5	2⅝					
p	2	RR G	3/8	6	5¾					
q	2	RR G	3/8	5	0¼					
v	18	LR 4	2⅛	0	7					
18"	20	PL 10	5/8	7	8		FCE			
16"	4	PL 10	5/8	7	5		FCE			
10"	2	PL 10	1	7	8		MCE			
1y	2	PL 10	1	7	8		MCE			
17"	1	PL 10 A	5/8	7	4		FCE			

1/2" ø	4	LR 8	1/2	7	8	FCE	
1/2" ø	6	FL 3 1/2	9/16	4	3½		
1/2" ø	3	VC 18	9/16	14	3½		
1/2" ø	9	PL 2 1/2	1/8	7	6		
	4	HSB 7/8" ø		0	5 8		
	8	HVY. FCP 7/8" ø HSB					
	4	HSB 7/8" ø		0	5		
1A	2	TCP SHOES				SEE SHT. "2"	
FVS	2	FND	5/16	202	7		
FVS.	2	FND	5/8	201	0		
FVS.	2	FND	1/4	200	8		
F.V.	2	FND	1/4	34	2		
F.V.	2	FND	5/16	3	2		
VCO	2	FND	3/8	6	0		
VCO80	2	FND	13/16	8	0		
SDS	2	FND	3/8	7	8		
SD	2	FND	3/8	2	0		
	6	38 1"ø		0	24		
	32	38 1"ø		0	31		

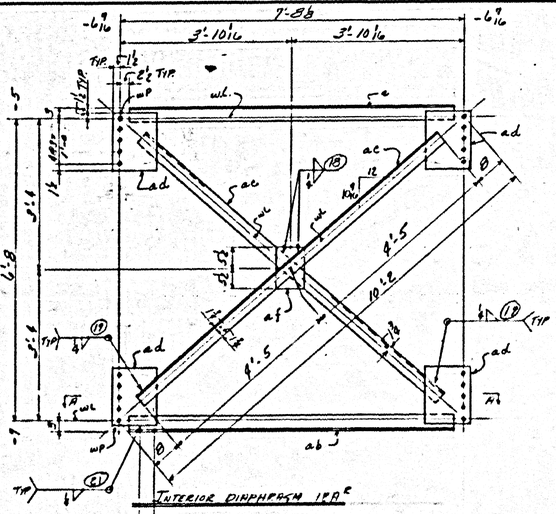
INSTALL	QTY	WGT	DESIGNATION	REMARKS
			REQUIRED LIST	
1	1	IIA	GIRDER ASSEMBLY	
1	1	IIA2		

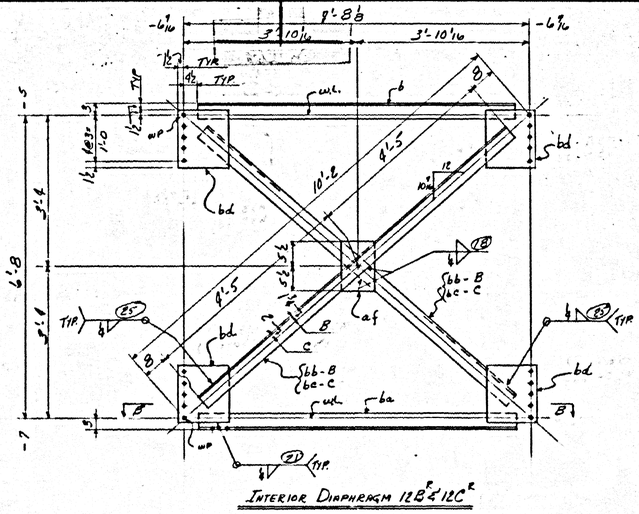
SHOP #2 13

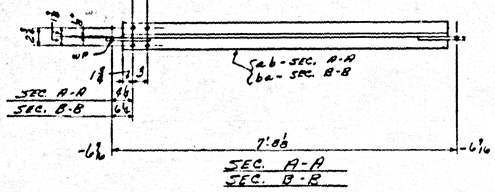
MATERIAL A.S.T.M.-A36
FIELD BOLTS AS NOTED
OPEN HOLES 1/16" UN.
ADD'L FIELD BOLTS ——
SHOP CONTACT SURFACES N.P.
WELDING-AS NOTED
PAINT I-CI RED LEAD
REAMING-AS NOTED

SALTSMAN CONSTRUCTION INC.
KY. HWY. BR I-75-2(13)25 WHITLEY CO. KY.
STRUCTURE N.B. BRIDGE OVER LYNN CAMP CREEK
(GIRDERS)
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO SHIPPING WORKS LEETSDALE WORKS
DRAWN BY J.A.Y. DATE 7-17-67 DETAILED BY L.A. GOTTBERG
CHECKED BY E.T. DATE 7/25/67 SHOP NO. ——
CONTRACT CE5370-001 DRAWING NO. 11

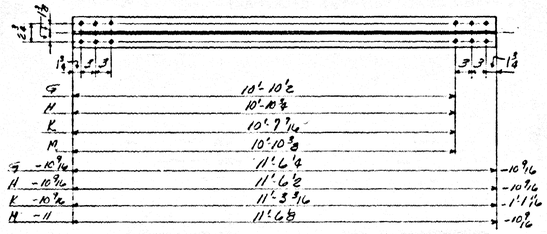
BRIDGE



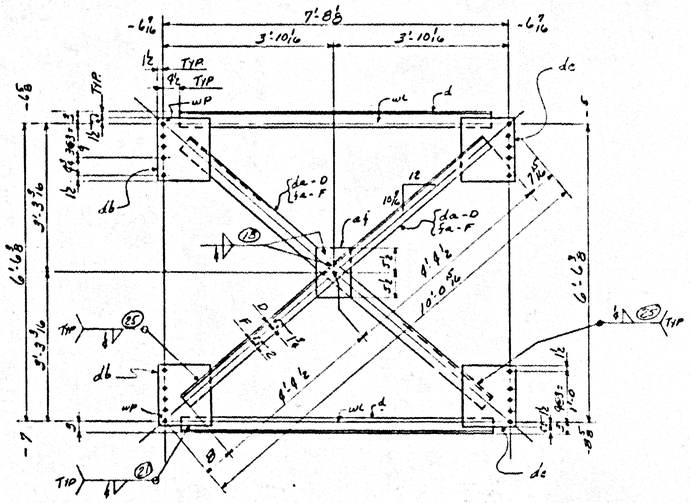




SEC. A-A
SEC. B-B



DIAG. BRACING 12G, 12H, 12K & 12M



PROD. TYPE	N1	N2	N3	S1	S2	S3	MARK	REQ'D	DESCRIPTION	REMARKS
003		1			1		12M	2	DIA. BRACING	
003	6	6		6	6		12K	24	"	
002		1			1		12C^E	2	DIAP.	
		2			2		12B^E	4	"	
		6	2		7	2	12M^E	17	DIAP.	
003	2	1	1	2	1	1	12H	8	"	
↓	11	10	10	13	12	10	12G	66	DIAG. BRACING	
002	2	2		2	2		12F	8		
	4	4		4	4		12D	16		
	1			1			12C^E	2		
	2			2			12B^E	4		
	6		3	7		3	12A^E	19	ENMM 7'2 & 6 & 7'11	

TYPE: INSTALLMENT — REQUIRED LIST:

PROD. TYPE	MARK	PIECES	GRADE	WIDTH	THICK	LENGTH FT.	LENGTH IN.	DESCRIPTION	REMARKS
								36 - DIAPHRAGMS 19-12A^E & 18-12A^L	
002	a	36	BT	6	8.5		7	3 1/8	
	ab	36	BT	6	8.5		7	3 1/8	
	ac	72	C	3½	3	3/8	8	10	
	ad	144	PL	12		3/8	1	3	
	af	36	BR	7		3/8	0	11	
	F.W.	36	WD			1/4	16	4	
								12- DIAPHRAGM 4-12B; 2-12C^E 4-12B^L & 2-12C^L	
002	b	12	BT	4	8.5		6	1 1/8	
	ba	12	BT	4	8.5		6	11 1/8	
	bb	12	C	3½	3	3/8	8	10	B
	bc	8	C	4	4	3/8	8	10	C
	bd	48	PL	16		3/8	1	3	
	af	12	BR	7		3/8	0	11	
	F.W	12	WD			1/4	18	4	
								24 - DIAPHRAGMS - 12D & 8-12F	
002	d	48	BT	4	8.5		6	1 1/8	
	da	32	C	3½	3	3/8	8	9	D
	fa	16	C	4	4	3/8	8	9	F
	db	48	PL	16		3/8	1	9 3/8	
	dc	48	PL	16		3/8	1	3	D
	af	24	BR	7		3/8	0	11	
	FW	24	WD			1/4	18	4	
								LOOSE MAT'L.	
003		12M	2	BT	5	12.5	11	6 1/8	48 2 5 2
003		12K	24	BT	5	12.5	11	3 3/4	5 2
003		12H	8	BT	5	12.5	11	6 1/2	5 2
003		12G	66	BT	5	12.5	11	6 1/4	5 11

NOTE A
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the edge of holes.

SEE SHT. GN1
FOR GEN. NOTES

MATERIAL ASTM-A36
RIVETS OR BOLTS —
OPEN HOLES 15/16"ø
A325 FIELD BOLTS 7/8"ø
SHOP CONTACT SURFACES N.P.
WELDING NC NOTED
PAINT 1-SHOP CT. RED LEAD (SEE NOTE X)

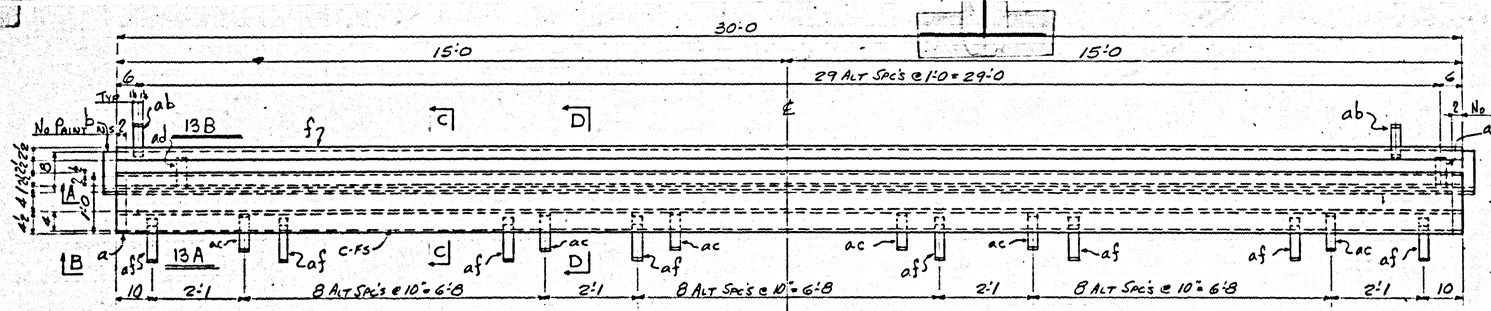
14

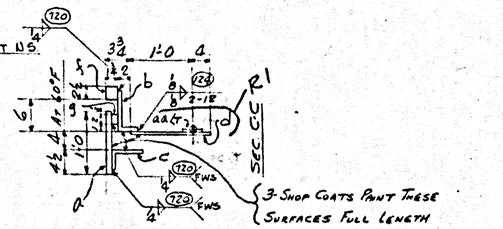
SALTSMAN CONSTRUCTION INC.
Ky. Hwy. Brdg. I-75-2(19)25 Whitley County Ky.
I-75 BOUND BRDG. OVER LYNN CAMP CREEK
DETAILS: DIAP. & DIAG. BRACING

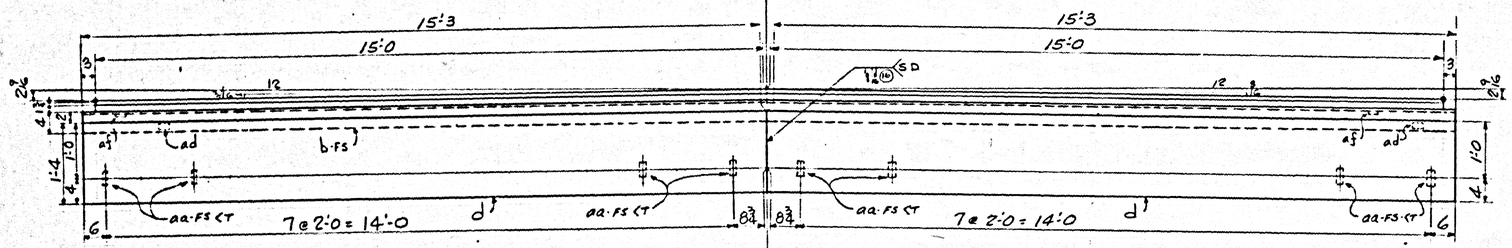
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY O.V. DATE 7-17-67 IN CHARGE L.S.
CHECKED BY PJS DATE 7-26-67 SHOP NO.
CONTRACT CE 5870-[illegible] DRAWING NO. 12

E4

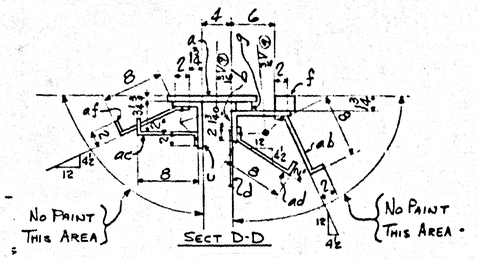
BRIDGE

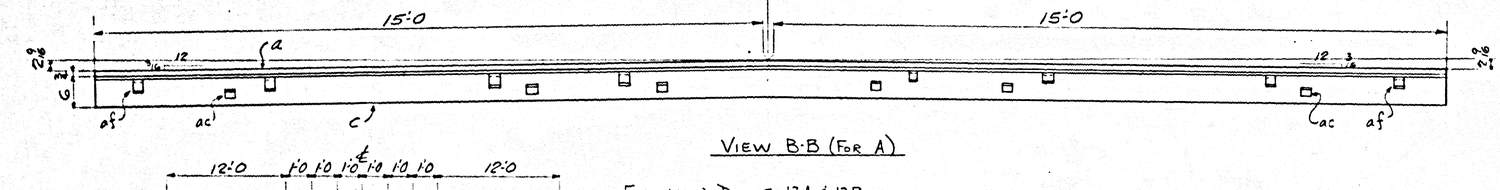






Sect "A-A" (For B)





View B-B (For A)

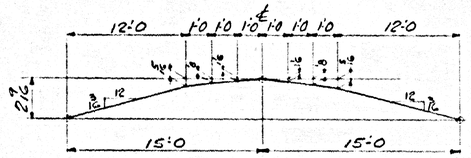
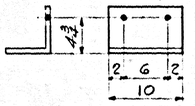


Diagram For Bending Device To Road Crown

Expansion Device 13A & 13B



Angle 13C

E2-E4

SHOP BILL

Mark	Quantity each piece	No.	Shape	Section Size	Section Pounds	Length ft	Length in	Remarks
			B: Expansion Device 4-13A, 4 13B					
a	4	PL	12	3/4	30	0	Bent-A	
b	4	L	8 4	1/2	30	6	Bent-B	
c	4	L	6 4	1/2	30	0	Bent-A	
d	8	PL	16	1/8	15	3	B	
f	4	BR	2 1/2	1 3/4	30	0	Bent-B	
g	4	BR	2	1	30	0	Bent-A	
aa	64	M	No 9 Black Eyelet				B	
ab	60	BR	2 1/2	3/16	1	0	Bent-B	
ac	56	BR	2 1/2	3/16	1	0	Bent-A	
ad	60	BR	2 1/2	3/16	1	0	Bent-B	
af	60	BR	2 1/2	3/16	1	0	Bent-A	

MILL ORDER

Mark	Quantity each piece	No.	Shape	Length ft	Length in	Pieces	Lbs
a	4	PL	12			1/2	1
b	4	L	8 4			5/8	4
c	4	L	6 4			1/2	3

Loose Material

13C	16	4	6	6	1/2	0	10

Weld Summary - A

FWS	4	WD		1/4	499	0
FWS	4	WD		1/4	441	0
FWS	4	WD		3/16	21	9

Weld Summary - B

FWS	4	WD		1/4	720	0
FW	4	WD		5/16	22	6
FW	4	WD		1/8	10	4
SD	4	WD	1/8 BUTT		1	4

Mark	Description	Remark	Installment N1	Installment N2	Installment N3	Installment S1	Installment S2	Installment S3	Total Req'd
13A	Expansion Dev	2-6 1/4 0 x 3'-6	1	1		1	1		4
13B	" "	2-8 1/4 0 x 3'-6	1	1		1	1		4
13C	Angles		4	4		4	4		16

For Gen Notes See GN1

(Expansion Devices) 15

Material ASTM-A36
Rivets or Bolts —
Open Holes 15/16
Assb Field Bolts —
Shop Contact Surfaces N.P
Welding As Noted
Paint 1 Shop Ct-Un

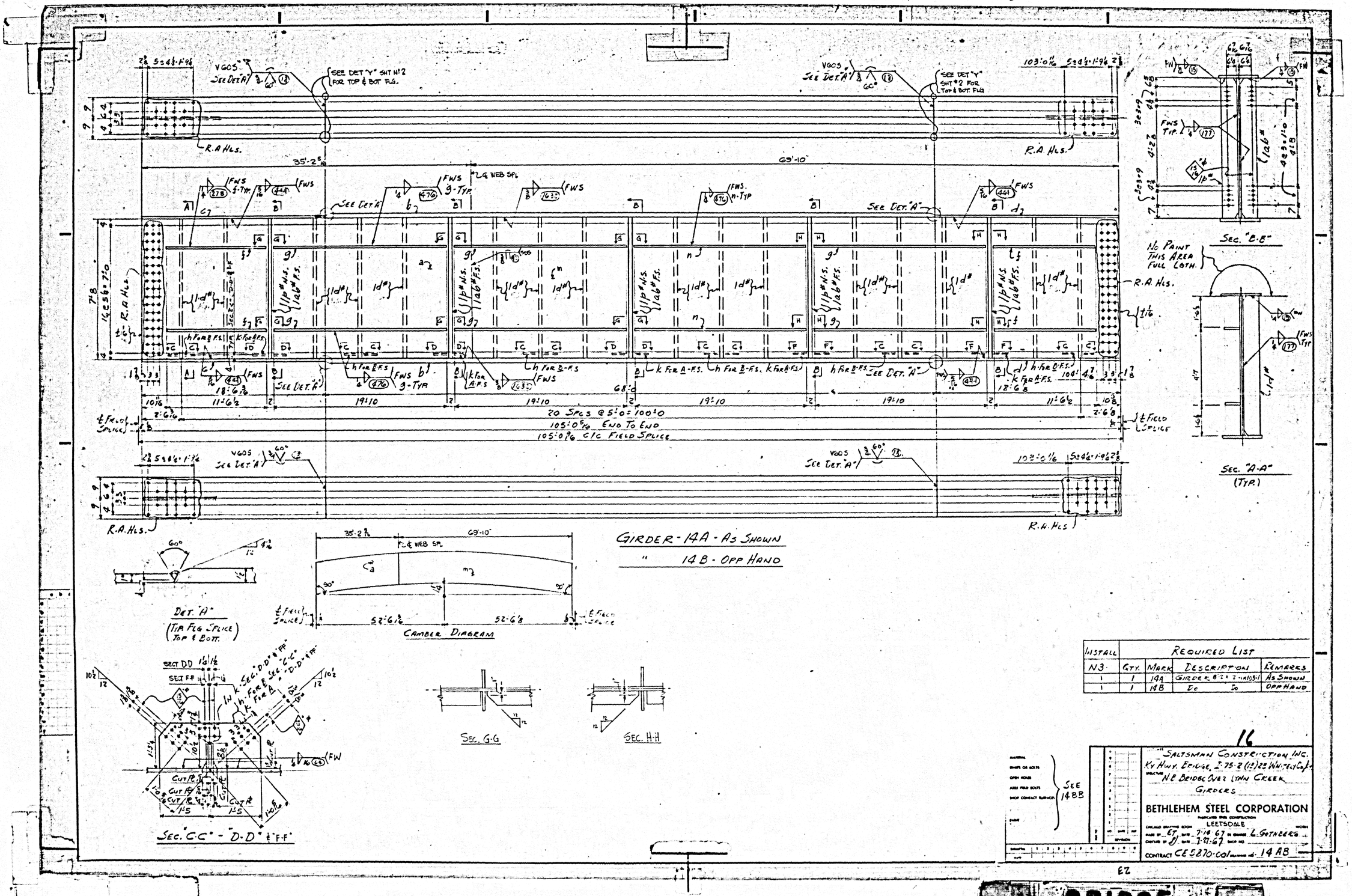
Saltsman Construction Inc.
4 Hwy Bridge I-75-2(13)25 Whitley County, Ky
Structure S.B. Bridge Over Lynn Camp Creek
N.B. Bridge Over Lynn Camp Creek

BETHLEHEM STEEL CORPORATION
Fabricated Steel Construction

Chicago Drafting Room — Works
Made by SAK Date 7-11-67 In Charge L.G
Checked by NL Date 7-31-67 Shop No.
Contract CE5870-006 Drawing No. 13

1 7-19-67 NL — Revision

BRIDGE



GIRDER - 14A - As Shown
" 14B - Opp Hand

INSTALL	REQUIRED LIST			
N3	QTY.	MARK	DESCRIPTION	REMARKS
1	1	14A	GIRDER PL 8"x 2"-11'05"	As Shown
1	1	14B	Do Do	Opp Hand

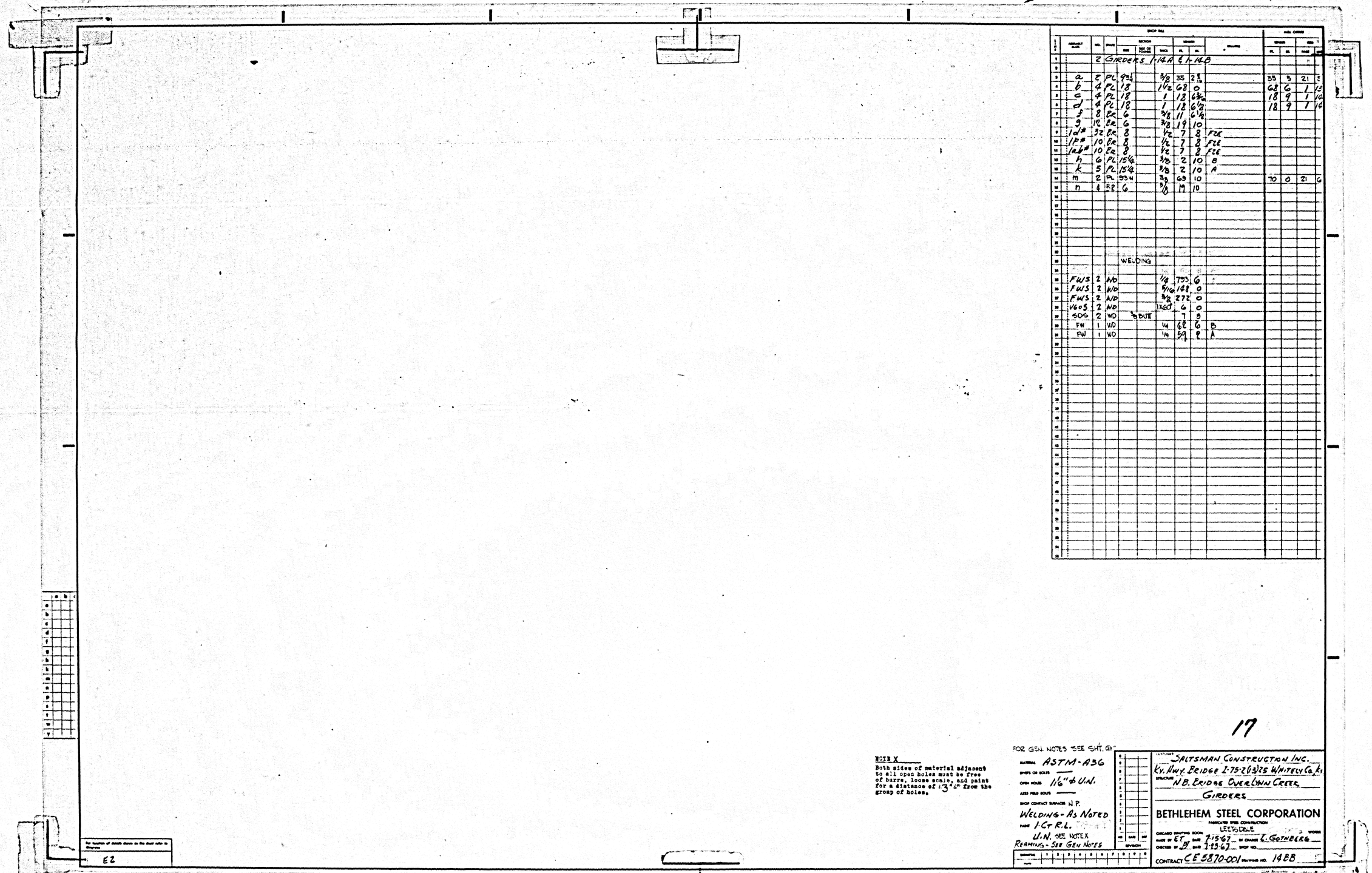
SEE 14BB

SALTSMAN CONSTRUCTION INC.
KY HWY. ERLNG. 2-75-2 (12) 22 WM-16 Cnty.
STRUCTURE N.B. BRIDGE OVER LYNN CREEK
GIRDERS
BETHLEHEM STEEL CORPORATION
FABRICATED BY BETHLEHEM CONSTRUCTION
LEETSDALE WORKS
CHICAGO DRAFTING ROOM
MADE BY ET DATE 7-18-67 TR DRAWING L. GOTHBERG
CHECKED BY JJ DATE 7-21-67 SHOP NO.
CONTRACT CE 5870-C01 DRAWING NO. 14 AB

16

EZ

BRIDGE



MARK	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION WEIGHT OR POUNDS	LENGTH FT.	LENGTH IN.	LENGTH FRACTION	REMARKS	MAIL CARRIER WIDTH FT.	MAIL CARRIER WIDTH IN.	MAIL CARRIER WIDTH FRACTION	MAIL CARRIER WEIGHT
		2	GIRDERS 1-14A & 1-14B										
a		2	PL	93/4		3/8	35	2 LIN		35	3	21	3
b		4	PL	18		1 1/2	68	0		68	6	1	15
c		4	PL	18		1	18	6 3/16		18	9	1	14
d		4	PL	18		1	18	6 1/2		18	9	7	14
f		8	BR	6		3/8	11	6 1/4					
g		12	BR	6		3/8	19	10					
1d#		32	BR	8		1/2	7	8	FZE				
1e#		10	BR	8		1/2	7	8	FZE				
1ab#		10	BR	8		1/2	7	8	FZE				
h		6	PL	15/4		3/16	2	10	B				
k		5	PL	15/4		3/16	2	10	A				
m		2	PL	93/4		3/8	29	10		70	0	21	6
n		4	RR	6		3/16	19	10					
						WELDING							
FWS		2	WD			1/4	793	6					
FWS		2	WD			5/16	148	0					
FWS		2	WD			3/8	272	0					
V605		2	WD			1X60	6	0					
SOS		2	WD		BUTT		7	8					
FW		1	WD			1/4	62	6	B				
FW		1	WD			1/16	59	8	A				

17

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

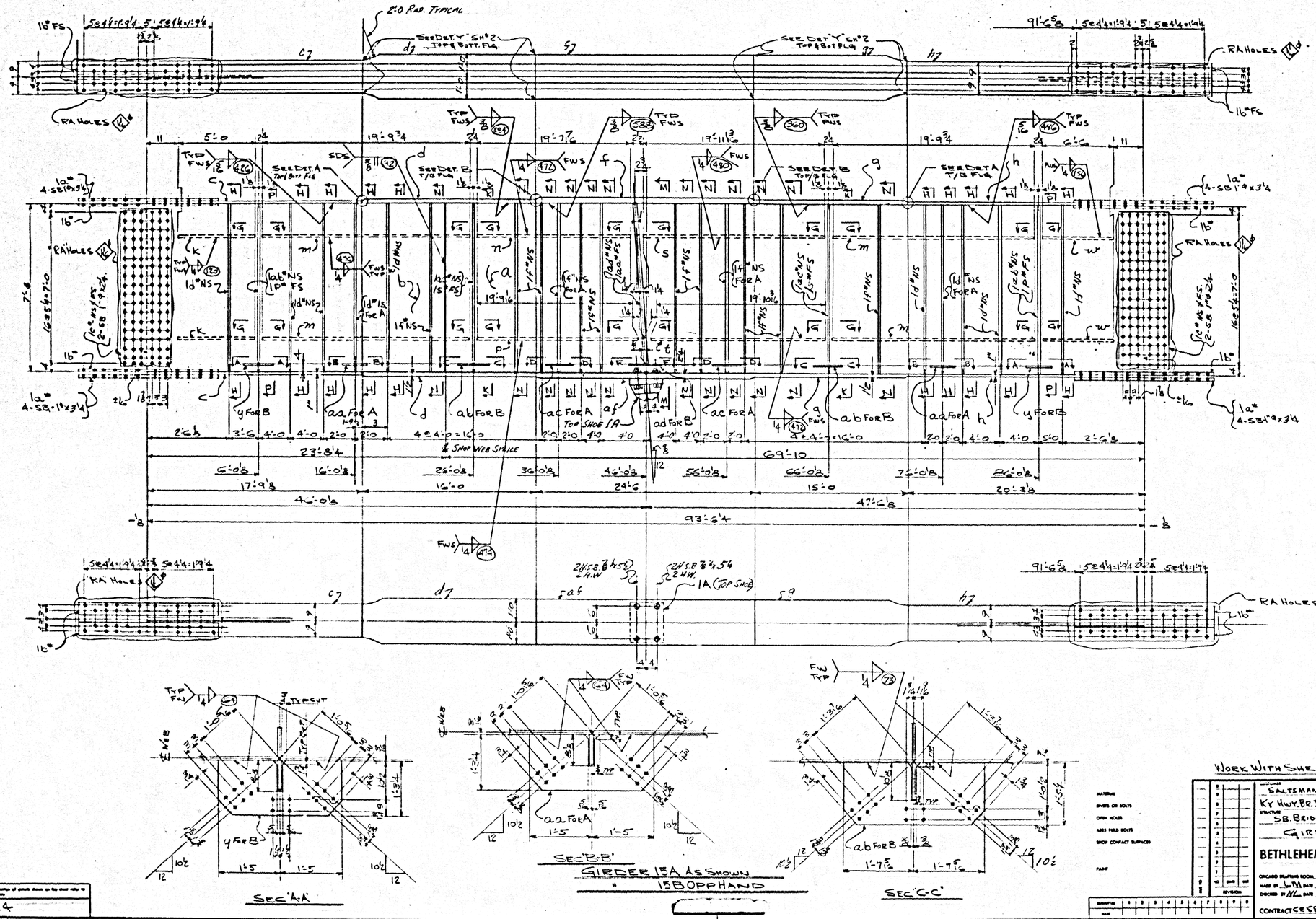
FOR GEN NOTES SEE SHT. G1

MATERIAL ASTM-A36
RIVETS OR BOLTS
OPEN HOLES 1 1/16" ϕ U.N.
ASSY FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING - As Noted
PAINT 1 Ct R.L.
U.N. SEE NOTE X
REAMING - SEE GEN NOTES

CUSTOMER SALTSMAN CONSTRUCTION INC.
STRUCTURE Ky. Hwy. Bridge 2-75-2(13)25 Whitley Co. Ky.
N.B. Bridge Over Lynn Creek
GIRDERS

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
LEE'S LANE
CHICAGO DRAFTING ROOM WORKS
MADE BY ET DATE 7-15-67 DETAILER L. GOTHBERG
CHECKED BY DF DATE 7-13-67 SHOP NO.
CONTRACT CE 5870-001 DRAWING NO. 1488

For location of details shown on this sheet refer to diagram
E2



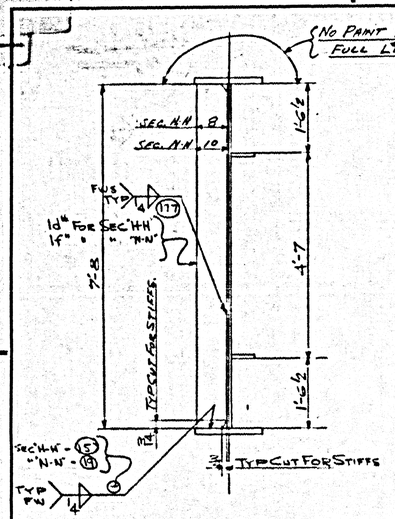
18

WORK WITH SHEET "15BB"

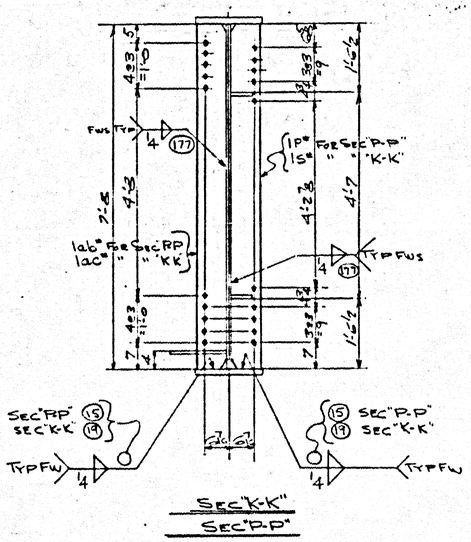
E4

OWNER	SALTSMAN CONST. INC.
STRUCTURE	KY HWY. PR. I-75-2(6)25 WHITLEY CO. SB. BRIDGE OVER LYNN CAMP CREEK
	GIRDERS (LINES 2 & 3)
	BETHLEHEM STEEL CORPORATION
CHICAGO FABRICATING ROOM	LEETSDALE WORKS
MADE BY LM DATE 7-20	CHARGE 49
CHECKED BY NL DATE 7-26-67	SHOP NO.
CONTRACT OR S870-001	DRAWING NO. 15AB

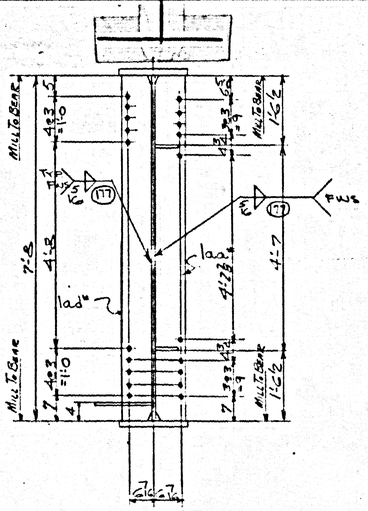
BRIDGE



SEC "H-H"
SEC "N-N"



SEC "K-K"
SEC "P-P"



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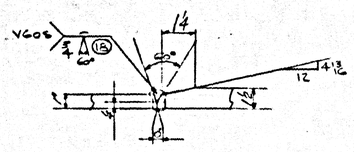
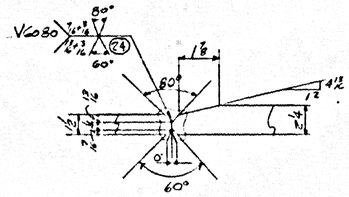
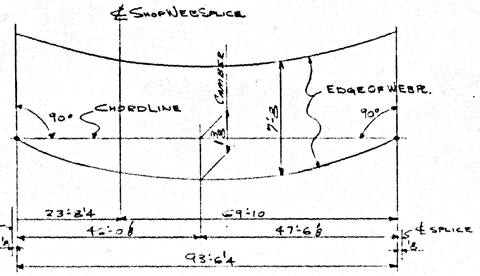
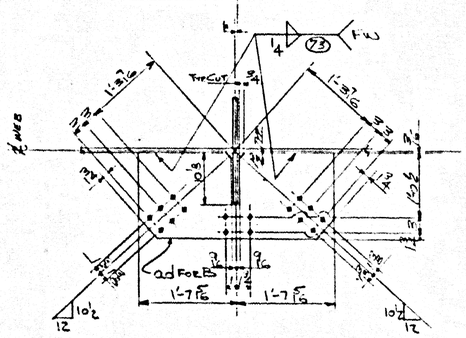


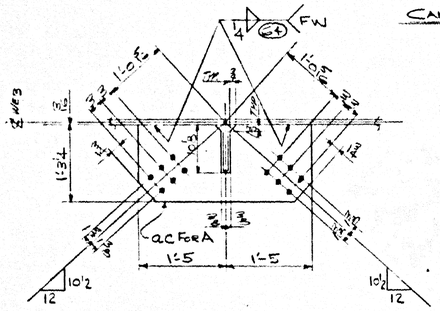


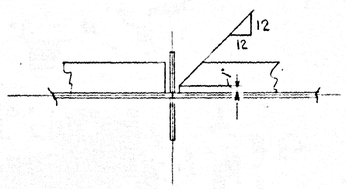


CAMBER DIAGRAM

DET "A"
(96:0 1/8)







SHOP BILL													ERECTION	
ASSEMBLY MARK	NO.	MARK	SECTION		WEIGHT		REMARKS						NO.	WEIGHT
					NO.	WIDTH	LENGTH	FT.	IN.					
			2-GIRDERS 1-15A & 1-15B											
	2	a	PL	93⅜		⅜	6'9	10					22	5
	2	b	PL	93⅜		⅜	23	8¼					22	5
	4	c	PL	18		1	17	9⅛					7	7
	4	d	PL	24		1½	16	0					7	10
	2	f	PL	24		2¼	24	6					7	11
	4	g	PL	24		1¼	15	0					7	4
	4	h	PL	18		1	20	3⅛					7	1
	4	k	BR	6		⅝	5	0						
	8	m	BR	6		⅝	19	9¾						
	2	n	BR	6		⅝	19	7⅞						
	2	p	BR	6		⅝	19	9 1/16						
	2	s	BR	6		⅝	19	11⅜						
	2	t	BR	6		⅝	19	10¾						
	1	w	BR	6		⅝	6	6						
	2	y	PL	15¼		⅜	2	10	B					
	2	aa	PL	15¼		⅜	2	10	A					
	2	ab	PL	17¼		⅜	3	2⅝	B					
	2	ac	PL	15¼		⅜	2	10	A					
	1	ad	PL	17¼		⅜	3	2⅝	B					
	8	la*	PL	18		9/16	4	3½						
	16	le*	PL	8½		9/16	4	3½						
	8	lc*	PL	20		⅜	7	6						
	18	ld*	BR	8		½	7	8	10-A 8-B	FZE				
	22	le*	PL	10		⅝	7	8	10-B	FZE				
	4	la6*	BR	8		½	7	8		FZE				
	4	la4*	PL	10		⅝	7	8		FZE				
	4	lp*	BR	8		½	7	8		FZE				
	4	ls*	PL	10		⅝	7	8		FZE				
	2	la2*	PL	10		1	7	8		MZE				
	2	la8*	PL	10		1	7	8		MZE				
	2	af	PL	24		2¼	29	6						
	2	1A	TOP SPLICE							DET ON SH #1				
			32	SB	1			0	3¼					
			8	SB	1			0	2¼					
	1	FW	WD			¼	64	6	A					
	1	FW	WD			¼	66	5	B					
	1	FWS	WD			¼	825	4	A					
	1	FWS	WD			¼	796	4	B					
	2	FWS	WD			5/16	191	6						
	2	FWS	WD			⅜	222	0						
	2	VG05	WD	1x60°				6	0					
	2	VG080	WD					8	0					
	2	SDS	WD	⅜ Butt				7	8					
			4	HS	⅞			0	5¾					
			4	HS	⅞			0	5¾					
			8	HW	⅞									

INSTALL		REQUIRED LIST				
SI		QTY	MARK	DESCRIPTION		REMARKS
1		1	15A	GIRDER	8'-6 x 2'-0 x 107'-10	AS SHOWN
1		1	15B	"	" " "	OPP HAND

SEE GN1 FOR GENERAL NOTES

WORK WITH SHEET # 15AB

MATERIAL ASTM-A36
BOLTS OR RIVETS NONE
OPEN HOLES 15/16 RUN
ASSY FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT ICT. RD LEAD CLR
REAMING AS NOTED

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" ± from the edge of holes.

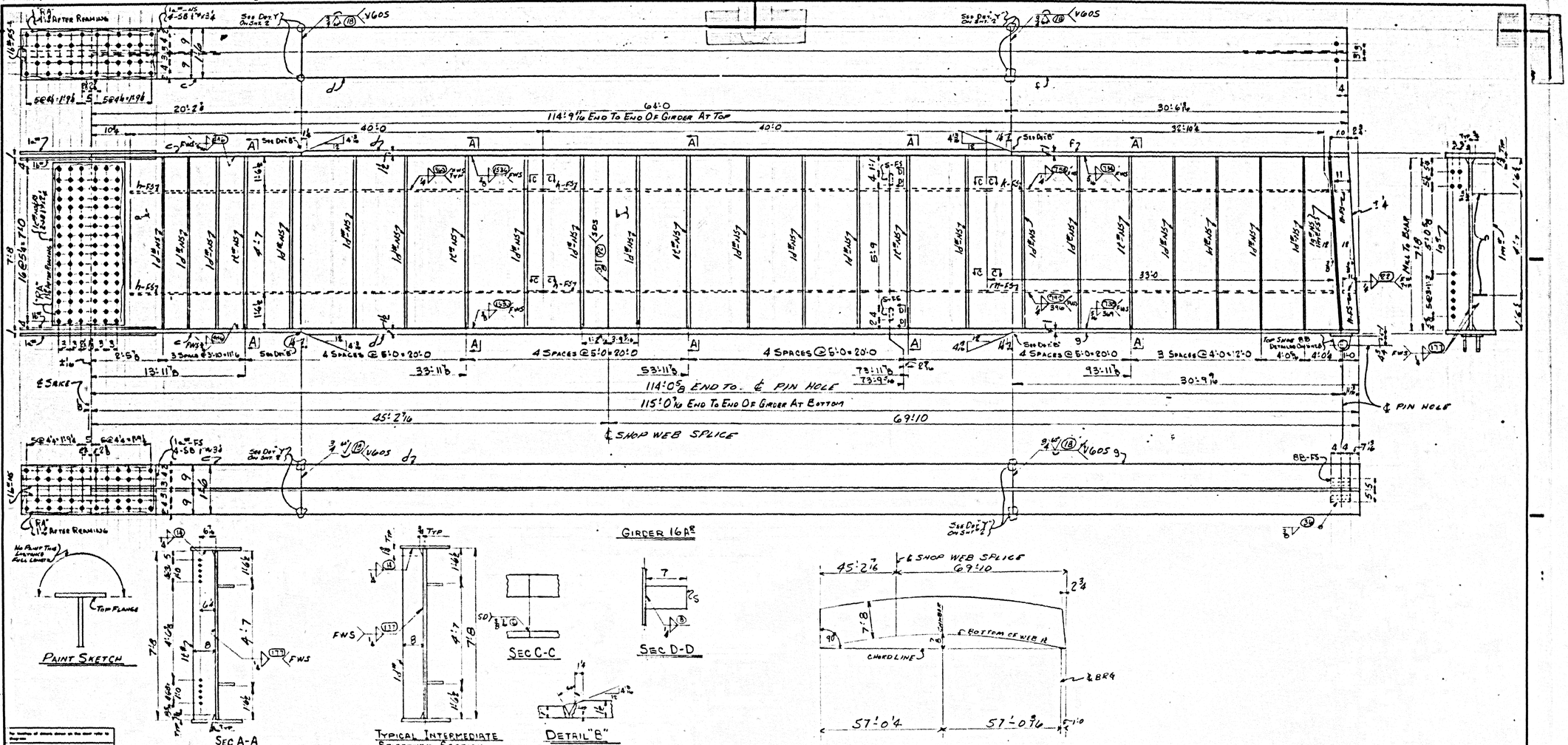
SALTSMAN CONSTRUCTION INC.
KY HWY. BR. I-75-2(9) 25 WHITLEY CO.
STRUCTURE S/B BRIDGE OVER LYNN CAMP CREEK
GIRDERS (SHT 2 of 3)

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY LM DATE 7-20 IN CHARGE LG
CHECKED BY NL DATE 7-26-67 SHOP NO.
CONTRACT CE 5870-021 DRAWING NO. 15BB

19

E4

GIRDER 16A2



PAINT SKETCH

CAMBER DIAGRAM

E4

MARK	NO.	SHAPE	SECTION	SIZE OR DIAMETER	LENGTH ft	LENGTH in	REMARKS
	2	GIRDERS	16A1 & 16A2				
a	2	PL	90 3/8	3/8	45	2 3/4	
b	2	PL	90 3/8	3/8	69	10	
1a*	4	PL	18	7/16	4	3 3/4	
1b*	8	PL	8 1/2	7/16	4	3 3/4	
1c*	4	PL	20	3/8	7	6	
c	4	PL	18	1	20	2 3/8	
d	4	PL	18	1 1/2	64	0	
f	2	PL	18	1	32	6 7/16	
g	2	PL	18	1	30	9 3/16	
1d*	38	Bx	8	1/2	7	5	F&E
1e*	10	Bx	8	1/2	7	8	F&E
1a**	2	Bx	8	5/8	7	8	M&E
1m**	2	Bx	8	5/8	7	8	M&E
h	8	Bx	6	1/2	80	0	
k	2	Bx	6	1/2	92	10 1/4	
m	2	Bx	6	1/2	33	0	
n	4	Bx	6	1/2	0	11	
s	4	Bx	4	5/8	0	7	
			1/4 x 8	1'-6	0	3 3/8	

MARK	NO.	SHAPE	SECTION	SIZE OR DIAMETER	LENGTH ft	LENGTH in	REMARKS
	4	SD	1"		0	8 1/4	
FWS	2	WD		5/16	202	8	
FWS	2	WD		3/8	25	0	
FWS	2	WD		1/4	825	6	
FW	2	WD		1/4	5	0	
FW	2	WD		3/8	3	0	
SD	2	WD	3/8 BUTT		2	0	
VGS	2	WD	1 X 60°		6	0	
SDS	2	WD	3/8 BUTT		15	4	
BB	2	Top Shoes					

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the edge of holes.

20

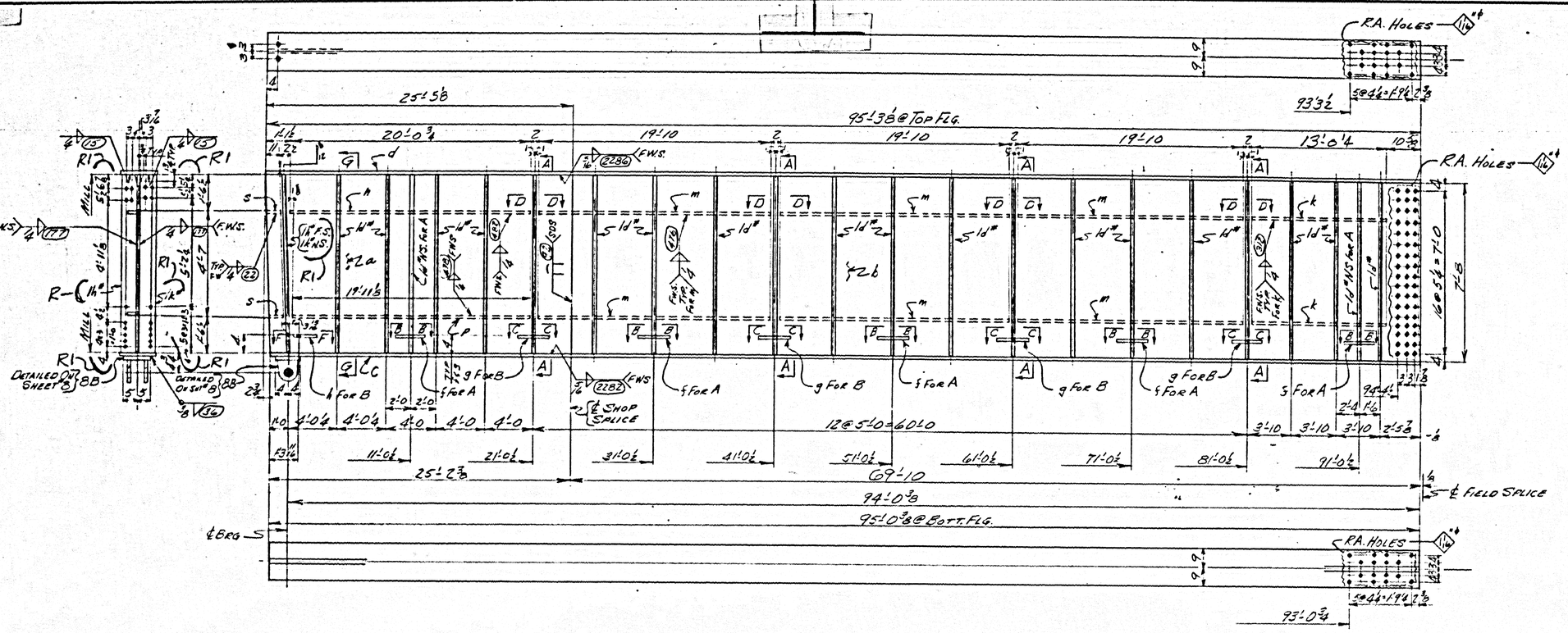
INSTALLMENT	REQUIRED LIST			
SZ:	FED'D	MARK	DESCRIPTION	REMARKS
1	ONE	16A2	GIRDER	
1	ONE	16A1	DO	

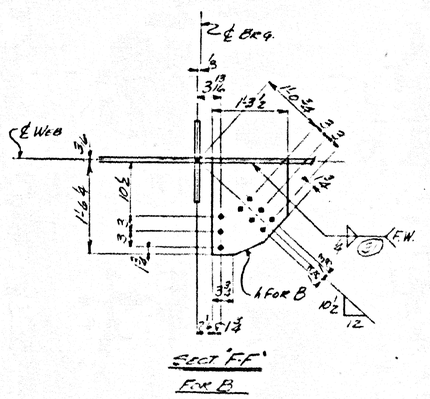
FOR GEN NOTES SEE SHT GN1

MATERIAL - ASTM - A36
BOLTS OR RIVETS
OPEN HOLES - 15/16" U.N.
ASSY FIELD BOLTS
SHOP CONTACT SURFACES - N.P.
WELD - AS NOTED
PAINT - 1 COAT TYPE I RED LEAD U.N. (SEE NOTE X)
REAMING - AS NOTED

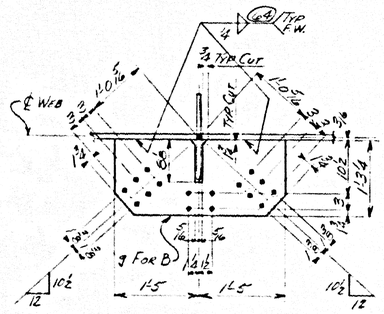
SALTSMAN CONSTRUCTION, INC.
RT 1411 BR I-75-2(13)25 WHITLEY COUNTY, KY
STRUCTURE: SB BR. OVER LYNN CAMP CREEK
GIRDERS (LINES 15 & 16)
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO SHIPPING ROOM — LOUISVILLE WORKS
DRAWN BY ECD DATE 7-19-67 IN CHARGE LG
CHECKED BY NL DATE 7-25-67 SHOP NO.
CONTRACT CE 5970-001 DRAWING NO. 16

BRIDGE

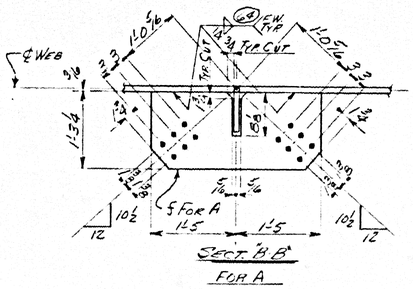




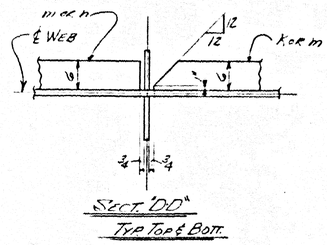
SECT 'FF'
FOR B



SECT 'C-C'
FOR B



SECT 'B-B'
FOR A



SECT 'DD'
TYP TOP & BOTT.

GIRDER 17A AS SHOWN
" 17B OPP HAND

WORK WITH SHEET 17BB 21

SEE SHT. 17BB

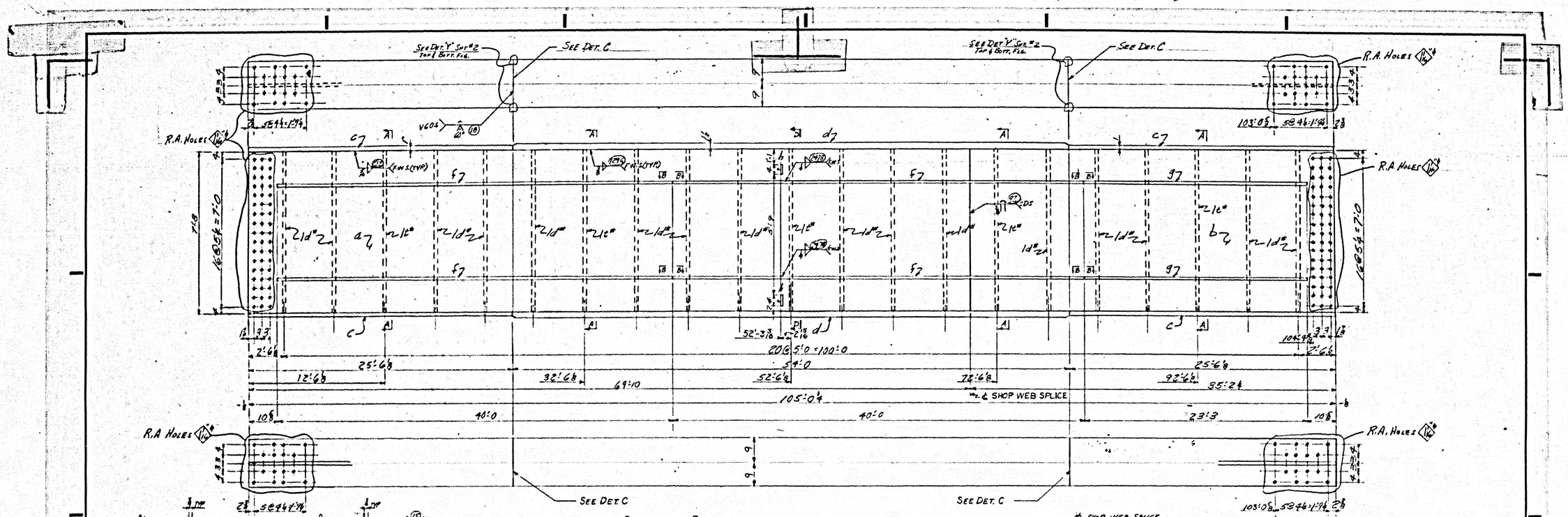
MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	REVISION
1	9/28	℄

CONTRACTOR SALTSMAN CONSTRUCTION CO. INC.
STATE HWY. PROJ. NO. F-75-2(13)25 WHITLEY CO. KY.
LOCATION U.S. BRIDGE OVER LYNN CAMP CREEK
GIRDERS
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY MJ DATE 7/20 CHARGE L.H.
CHECKED BY ET DATE 7/26/62 SHOP NO.
CONTRACT CE 5970-021 DRAWING NO. 17AB

E-2

BRIDGE



E4

MARK	NO.	SHAPE	SHOP SEQ. SECTION WIDTH	SHOP SEQ. SECTION WEB OR FLANGE	SHOP SEQ. SECTION THICK	SHOP SEQ. LENGTH FT	SHOP SEQ. LENGTH IN	SHOP SEQ. REMARKS	FIELD ORDER PIECE MARK	FIELD ORDER LENGTH FT	FIELD ORDER LENGTH IN	FIELD ORDER WEIGHT PIECE	FIELD ORDER WEIGHT TOTAL
		2 GIRDERS L-18A & L-18A											
a	2	PL	32.93	3/8		69	10					22	2
b	2	PL	32.93	3/8		35	2¼					22	5
c	2	PL	18	1		25	6⅛					7	19
d	4	PL	18	1½		58	0					7	15
f	6	BR	6	3/8		40	0					1	1
g	4	BR	6	3/8		23	3					1	1
¾"	32	BR	8	1/2		7	8	F2E				1	4
¾"	10	BR	8	1/2		7	8	F2E				1	4
h	4	BR	4	3/8		0	7						
FWS	2	WD		5/16		204	0						
FWS	2	WD		1/4		732	9						
FWS	2	WD		3/8		246	0						
FW	2	WD		1/4		27	7						
VGOS	2	WD	13	60°		6	0						
SD	2	WD	3/4	Butt		2	0						
SDS	2	WD	3/4	Butt		7	8						

Note X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the edge of holes.

REQUIRED LIST				
S3	CITY	MARK	DESCRIPTION	REMARKS
1	1	18AB	GIRDER 7'-6" x 105'-0"	
1	1	18AE	do do	

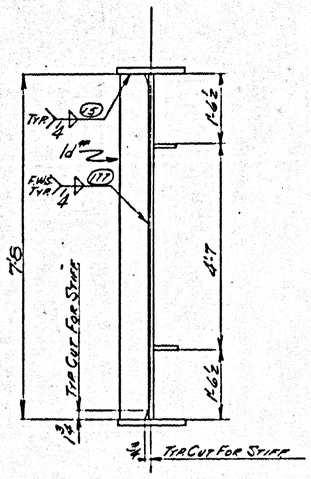
FOR GEN. NOTES SEE SH GN1

MATERIAL A.S.T.M.-A36
SHEETS OR SOLID —
OPEN HOLE 13/16 U.N.
ASSD FIELD BOLTS —
SHOP CONTACT SURFACE N.P.
WELDING - AS NOTED
PAINT 1 Ct. RED LEAD U.N.
REAMING - AS NOTED

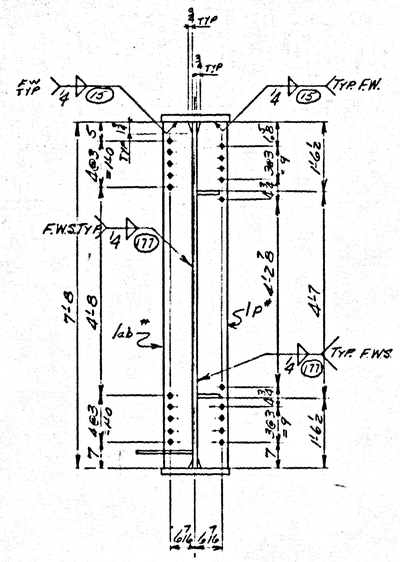
SALTSMAN CONSTRUCTION, INC.
KY. HWY. BR. I-75-2(13)25 WHITLEY CO. KY.
STRUCTURE S.B. BRIDGE OVER LYNN CAMP BRIDGE
GIRDERS (LINE 1E4)

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEESDALE WORKS
MADE BY N.M.A. DATE 7-19-67 IN CHARGE L.G.
CHECKED BY N.L. DATE 7-21-67 SHOP NO.
CONTRACT CE5870-001 DRAWING NO. 18

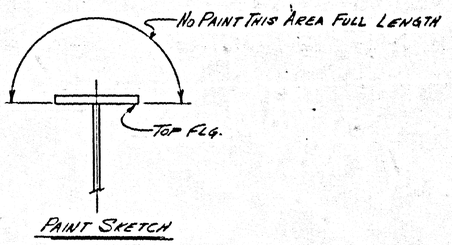
22



SECT "GG"
TYP STIFF SECT.



SECT "AA"

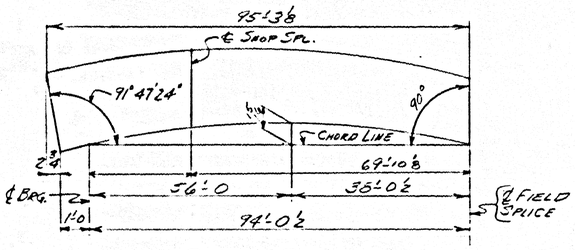


PAINT SKETCH

MEMBER MARK	NO.	MARK	SHOP BILL SECTION	SIZE OR WEIGHT	LENGTH FT.	LENGTH IN.	REMARKS	ANAL CHEM STRUCTURAL	ANAL CHEM HEAT NUMBER
	2	GIRDERS	L	17A & 17B					
a	2	PL	12	3/8	25	5/8			
b	2	PL	12	3/8	69	10			
c	2	PL	18	1	95	0 1/8			
d	2	PL	18	1	95	3 1/8			
f	5	PL	15 1/4	3/8	2	10	A		
g	4	PL	15 1/4	3/8	2	10	B		
h	1	PL	15 1/2	1/2	1	6 1/4	B		
k	4	BR	6	7/16	13	0 1/4			
m	12	BR	6	5/16	19	10			
n	2	BR	6	5/16	20	0 3/4			
p	2	BR	6	5/16	19	11 1/8			
s	4	BR	4	3/8	0	11			
4"	34	BR	8	1/2	7	8	FZE 18-9, 16-8		
1p"	2	BR	8	5/16	7	8	MZE		
1h"	2	BR	8	5/16	7	8	MZE		
1p"	8	BR	8	1/2	7	8	FZE		
1ab"	8	BR	8	1/2	7	8	FZE		
88	2	(DETAILED ON SHT. #8 (DO NOT CUT WITH SAW)							
F.W.S.	2	WD		5/16	390	8			
F.W.S.	1	WD		1/4	783	0	FOR A		
F.W.S.	1	WD		1/4	256	6	FOR B		
F.W.	1	WD		1/4	65	4	FOR A		
F.W	1	WD		1/4	60	1	FOR B		
F.W	2	WD		5/16	3	0			
SOS	2	WD		3/16	7	8			

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

PROD. TYPE	INSTALL NO.	REQUIRED LIST QTY	MARK	DESCRIPTION	REMARKS
001	1	1	17A	GIRDER (2'-6"x2'-0"x95'-4")	
001	1	1	17B	do	



CAMBER DIAGRAM

SEE GN1 FOR GENERAL NOTES

SHOP # 2 — 23

MATERIAL A.S.T.M. A36
RIVETS OR BOLTS
OPEN HOLES 15/16" UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1 CT. RED LEAD UN
REAMING - AS NOTED

DESIGNED SALTSMAN CONSTRUCTION CO. INC.
STRUCTURE 1 SPAN X 80'-0" X 25'-0" WHITLEY CO. KY.
V.B. BRIDGE OVER LYNN CAMP CREEK
GIRDERS
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM SHEETS PALE WORKS
MADE BY JWJ DATE 7/21/67 TO CHANGE LG.
CHECKED BY EI DATE 7/26/67 SHOP NO.
CONTRACT CE-870-001 DRAWING NO. 17.38

The Institute of Metals Division of the Amer. Soc. for Metals
E-2

DETAIL "A"

DETAIL "B"

SEE DET. "A"

SEE DET. "B"

SEE GN1

TYP DET "B" B-L35

RA HOLES

SEC-A-A" / "B-B"

SEC-C-C"

SEC-D-D" / "E-E"

SEC-G-G" / "H-H" / "K-K"

SEC-"PP" (TYP)

GIRDER-19A

GIRDER-19B OPP HAND

& SHOP SPL.

& PIER #1

CAMBER DIAGRAM

SHOP #2

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of — 3" from the group of holes.

SHOP NOTE

SEE SHEET #2 FOR DETAIL "Y"

SEE SHEET GN1 FOR GENERAL NOTES

E2

Forab

R1

SHOP BILL

MARK	NO.	SHAPE	SECTION	WEIGHT	LENGTH	REMARKS
		2-G.RDERS-1-19A & 1-19B				
a	2	PL	93¾ × ⅜	23	9 3/4	
aa	2	PL	93¾ × ⅜	69	10	
b	2	PL	24 × 2½	20	0	
c	1	PL	24 × 1½	16	0	
d	1	PL	24 × 1½	14	3	
f	1	PL	18 × 1	23	3⅛	
g	1	PL	18 × 1	20	0⅛	
h	2	PL	24 × 2½	20	0	
k	1	BR	6 × ⅜	5	0⅛	
m	8	BR	6 × ⅜	19	10	
n	2	BR	6 × ⅜	19	7½	
p	2	BR	6 × ⅜	19	9¼	
s	2	BR	6 × ⅜	20	0	
t	2	BR	6 × ⅜	19	10⅛	
y	4	BR	6 × ⅜	6	6½	
ab	2	PL	15¼ × ⅜	2	10	A

MILL ORDER

MARK	LENGTH FT	LENGTH IN	AREA FT²	AREA IN²
a	25	8	21	01
aa	70	0	21	06
b	20	2	01	10
c	16	2	01	06
d	14	6	01	11
f	23	6	01	12
g	20	6	01	08
h	20	2	01	10

	MARK	NO.	SHAPE	SECTION	WEIGHT	LENGTH	REMARKS
	ac	2	PL	7¼ × ⅜	3	25½ A	R1
	ad	1	PL	7½ × ⅜	3	25½ A	R1
	af	2	PL	15¼ × ⅜	6	10 B	
	ag	2	PL	7¼ × ⅜	2	10 B	
	1a"	8	PL	18 × ⅜	4	3½	
	1b"	16	PL	6½ × ⅜	4	3½	
	1c"	8	PL	20 × ⅜	7	6	
	1f"	22	PL	10 × ⅜	7	8	F2E 10-A, 12-B
	1s"	4	PL	10 × ⅜	7	8	F2E
	1a"	2	PL	10 × 1	7	8	M2E
	1a"	2	PL	10 × 1	7	8	M2E
	1ac"	4	PL	10 × ⅜	7	8	F2E
	1d"	18	BR	8 × ½	7	8	F2E 8-A, 10-B
	1p"	4	BR	8 × ½	7	8	F2E
	1a6"	4	BR	8 × ½	7	8	F2E
	1A	2	TOP SHOES				DET. ON SHT #1
		4	NSB	⅞ × ⅝	0	5¼	
		4	NSB	⅞ × ⅝	0	5	
		8	WN FOR ⅞" NSB				

FWS	2	WD	⅝	222 10
FWS	2	WD	¾	201 0
FWS	1	WD	¼	747 1 A
FWS	1	WD	¼	506 1 B
FW	1	WD	¼	63 10 A
FW	1	WD	¼	64 2 B
FW	2	WD	⅝	3 2
VGO	2	WD	¾	6 0
VGOB	2	WD	7/16	8 0
SDS	2	WD	⅞	7 8

INSTALL N1	QTY	MARK	DESCRIPTION	REMARKS
	1	19A	GIRDER 8'-8" x 2'-6" x 95'-3"	
	1	19B	" " "	

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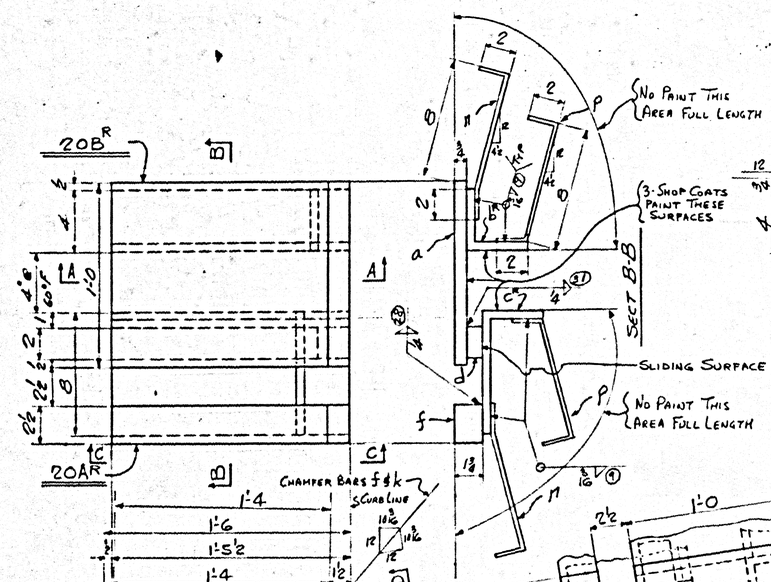
MATERIAL A.S.T.M.-A36
BRIDGING BOLTS AS NOTED
OPEN HOLES 1/16" U.N.
ASBS FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING-AS NOTED
PAINT 1-CT.-RED LEAD
REAMING-AS NOTED

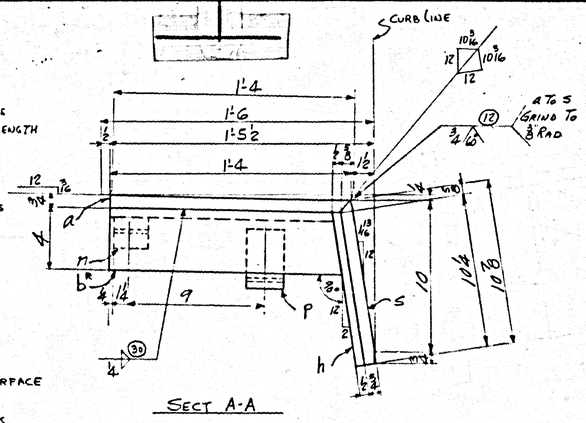
SALTSMAN CONSTRUCTION INC.
KY. HWY. BR I-75-2(13)25 WHITLEY CO. KY.
STRUCTURE N.B. BRIDGE OVER LYNN CAMP CREEK
(GIRDERS)

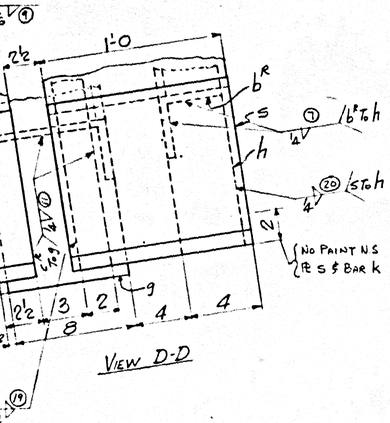
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
DRAWN BY MV DATE 7-24-62 IN CHARGE E. GOTTBERG
CHECKED BY ET DATE 7/24/62 SHOP NO.

CONTRACT PE 3870-001 DRAWING NO. 19

BRIDGE







Expansion Device 20A^R & 20B^R

8 - Expansion Devices 4-20A^R & 4-20A^L

	Shape	Size	Grade	Section	Length	Weight	Remarks
f	PL	2½		1¾	1 4		
CR	L	4 4		½	1 2¾	6 13	
g	PL	8		½	0 10¾		
k	BR	2½		1¾	0 10⅛		
m	BR	2½		3/16	1 0	Rent	
p	BR	2½		3/16	1 0	Rent	

Weld Summary

V60	8	WD	3/4	0 3
FW	8	WD	1/4	4 10
FW	8	WD	3/16	1 6

8 Expansion Devices 4-20B^R & 4-20B^L

	Shape	Size	Grade	Section	Length	Weight	Remarks
a	PL	12		5/4	1 4	Field Pt	13 01
b & c	L	4 4	4	½	1 3⅞		
d	BR	2		1	1 2		
h	BR	4		½	0 10⅝		
m	BR	2		1	0 9⅜		
n	BR	2½		3/16	1 0	Rent	
p	BR	2½		3/16	1 0	Rent	
s	PL	12		5/8	0 10⅛		

Weld Summary

V60	8	WD	3/4	1 0
FW	8	WD	1/4	8 11
FW	8	WD	3/16	1 6

	Installment					Total			
N1	N2	N3	S1	S2	S3	Req'd	Mark	Description	Remark
1	1		1	1		4	20A^R	Expansion Dev	
1	1		1	1		4	20B^R		
1	1		1	1		4	20A^L		
1	1		1	1		4	20B^L		

For General Notes See GN1

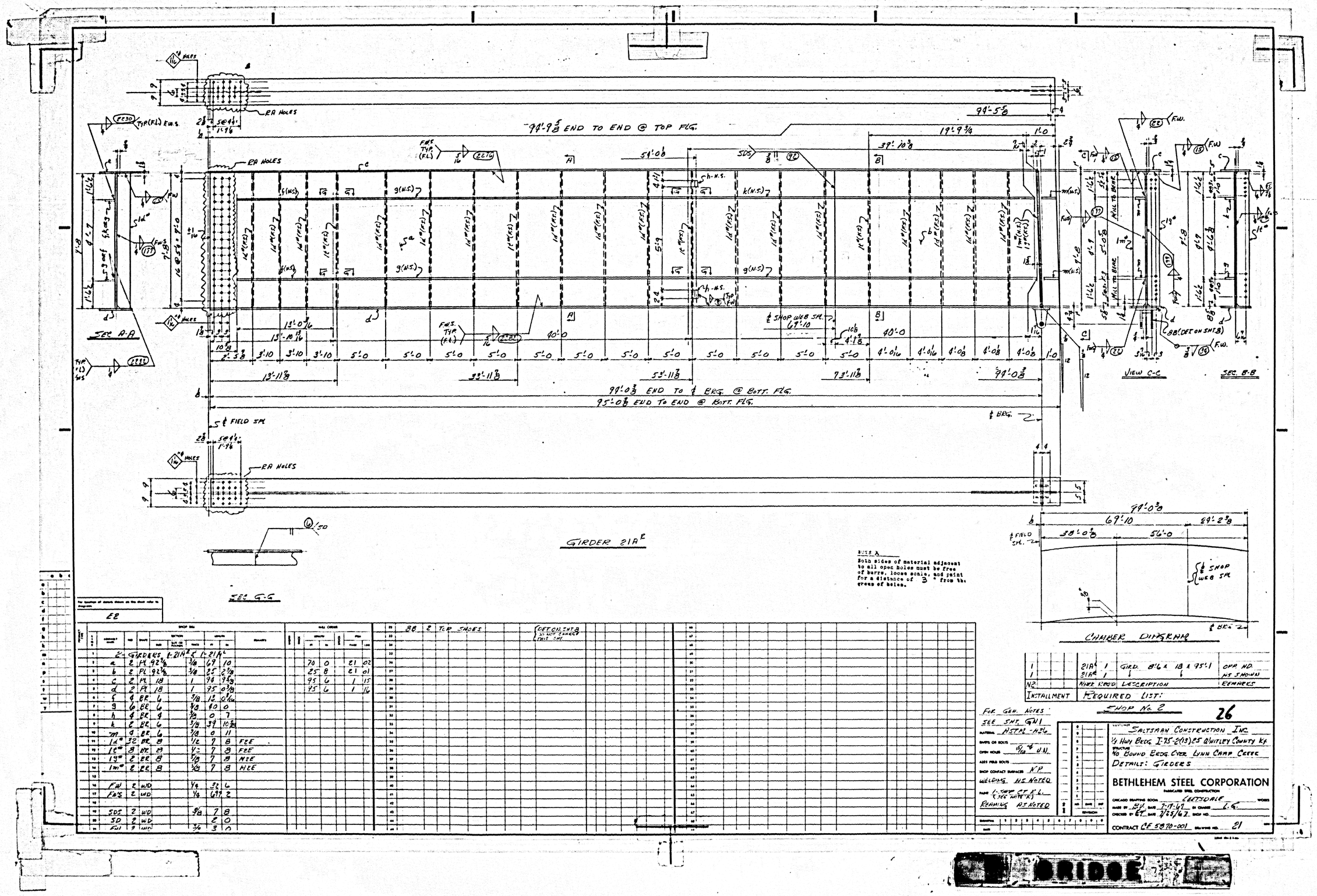
Expansion Curb Devices **25**

Material ASTM-A36
Bolts or Bolts —
Open Holes —
Adds Field Bolts —
Shop Contact Surfaces N P
Welding As Noted
Page 1-C+UN

Saltsman Construction Inc
Ky Hwy Bridge I-75-2(13)25 Whitley County, KY
Structure SB Bridge over Lynn Camp Creek
NB Bridge over Lynn Camp Creek

BETHLEHEM STEEL CORPORATION
Fabricated Steel Construction

Chicago Drafting Room — Works
Made by S.A.K. Date 7/11/67 Tracer L.G.
Checked by N.L. Date 8-4-67 Shop No.
Contract C.E.S.P.10-006 Drawing No. 20



GIRDER 21A E

NOTE A
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the edge of holes.

E2

PART	ASSEMBLY MARK	NO.	SHAPE	SHOP MAT. SECTION SIZE	SHOP MAT. SECTION NO. OR WEIGHT PER FT	SHOP MAT. LENGTH FT	SHOP MAT. LENGTH IN	REMARKS
1		2	GIRDERS E-21A E E-21A E					
2	a	2	PL	92⅜	3/8	69	10	
3	b	2	PL	92⅜	3/8	25	2⅜	
4	c	2	PL	18	1	99	9⅝	
5	d	2	PL	18	1	95	0⅜	
6	f	4	BR	6	5/8	12	0 1/16	
7	g	6	BR	6	3/8	80	0	
8	h	4	BR	8	3/8	0	7	
9	k	2	BR	6	3/8	39	10⅜	
10	m	6	BR	6	3/8	0	11	
11	1a	32	BR	8	1/2	7	8	FEE
12	1c	8	BR	8	1/2	7	8	FEE
13	1m	2	BR	8	5/8	7	8	NEE
14	1m	2	BR	8	5/8	7	8	NEE
15								
16	FW	2	WD		1/4	32	6	
17	FWS	2	WD		1/8	699	2	
18								
19	SDS	2	WD		5/8	7	8	
20	SD	2	WD			2	0	
21	FW1	9	WD		1/4	3	1⅞	

WELD ORDER	SHOP WELDS SIZE	SHOP WELDS LENGTH FT	SHOP WELDS LENGTH IN	FIELD WELDS SIZE	FIELD WELDS LENGTH FT	FIELD WELDS LENGTH IN
		70	0		21	02
		25	8		21	01
		95	6		1	15
		95	6		1	16

88 E TOP SHOES

(SEE ON SHT 3 AT BOTT. FLANGES THIS SHT.)

1		21A E	1	GIRD. 8'6 x 18 x 95'-1	OPP. HD. AS SHOWN
1		21A E	1	〃	〃
NO.		MARK	QUAD	DESCRIPTION	REMARKS
INSTALLMENT		REQUIRED LIST:			

SHOP No. 2 — 26

FOR GEN. NOTES SEE SHT. GN1

MATERIAL ASTM-A36

RIVETS OR BOLTS

OPEN HOLES 15/16" U.N.

A325 FIELD BOLTS

SHOP CONTACT SURFACES N.P.

WELDING AS NOTED

PAINT (1 COAT SHOP PAINT)

REAMING AS NOTED

CUSTOMER SALTSMAN CONSTRUCTION INC.

STRUCTURE Ky Hwy Bridg. I-75-2(13)25 Whitley County Ky.
No Bound Bridg. Over Lynn Camp Creek

DETAILS: GIRDERS

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

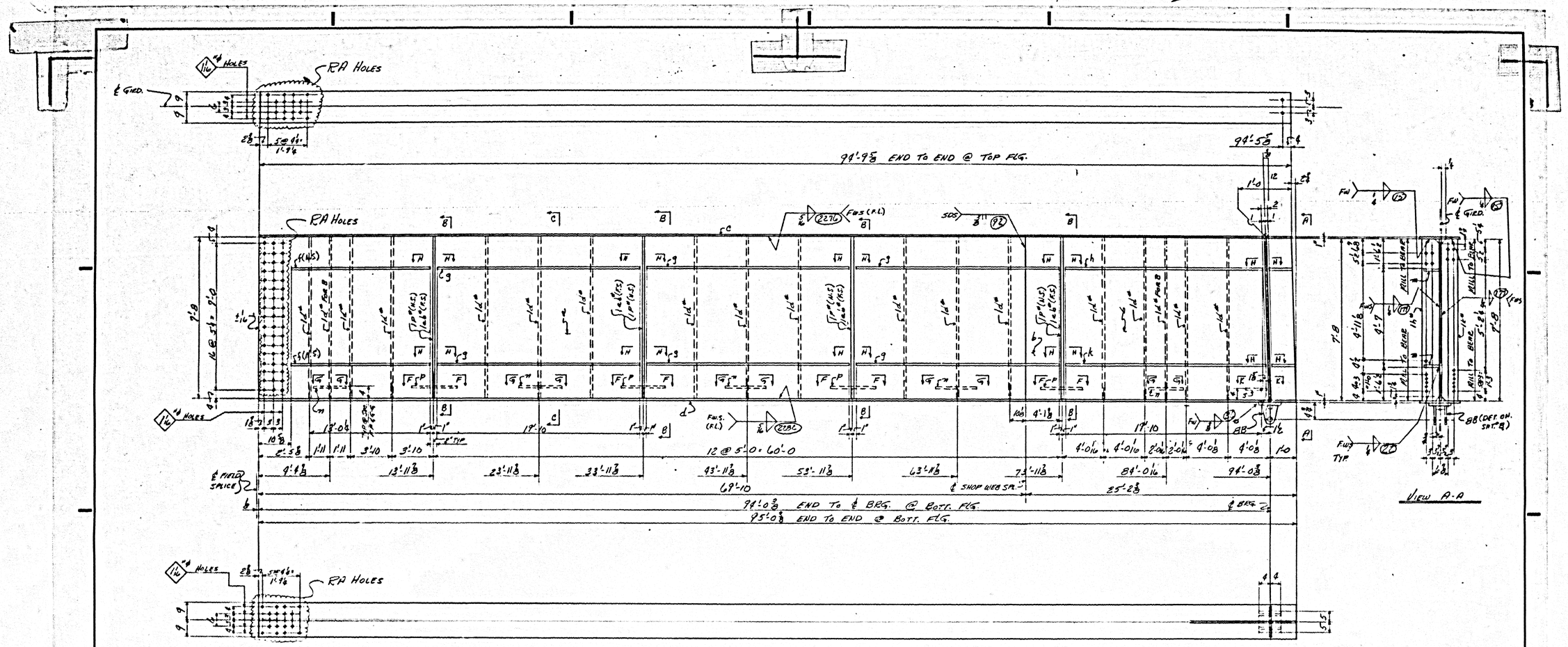
CHICAGO DISTRICT SALES OFFICE FLEETSDALE WORKS

DRAWN BY SH DATE 7-19-61 IN CHARGE L.G.

CHECKED BY GT DATE 7/25/62 SHOP NO.

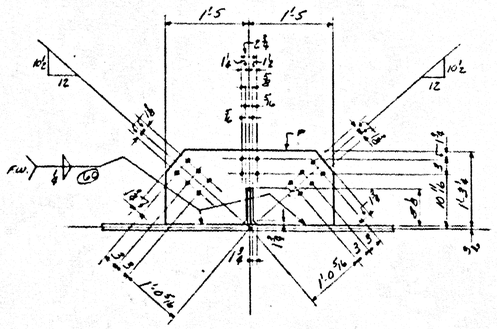
CONTRACT CF 5870-001 DRAWING NO. 21

BRIDGE

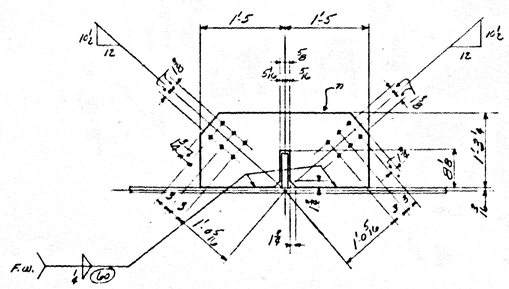


GIRDER 22A (AS SHOWN)

GIRDER 22B (OPP. HAND)



SEC. F-F (FOR A)



SEC. G-G (FOR B)

NOTE:
WORK THIS SHT. WITH SHT. 22BB

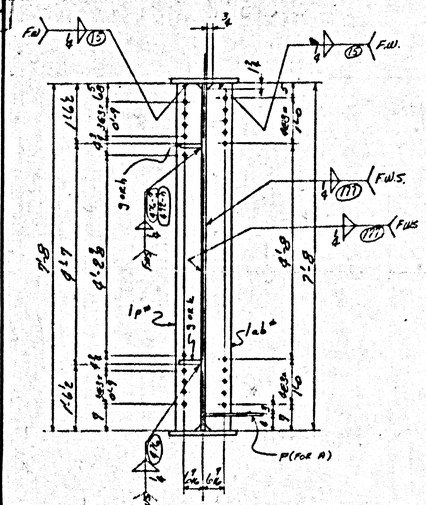
27

MATERIAL	
RIVETS OR BOLTS	SEE SHT. 22BB
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

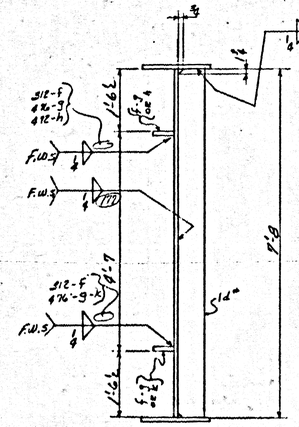
FABRICATOR: TROTSMAN CONSTRUCTION INC.
KY HWY BRDG I-75-2(19)25 WHITLEY COUNTY KY.
STRUCTURE: NO BOUND BRIDGE OVER LYON CAMP CREEK
DETAILS: GIRDERS
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
DRAWING ROOM: GEETSDALE WORKS
MADE BY: E.V. DATE: 7/22/02 BY CHANGE: L.G.
CHECKED BY: E.T. DATE: 7/22/02 SHOP NO.:
CONTRACT: CF 5390-001 DRAWING NO.: 22AB

E2

BRIDGE



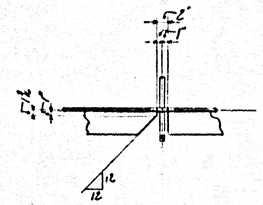
SEC. B-B



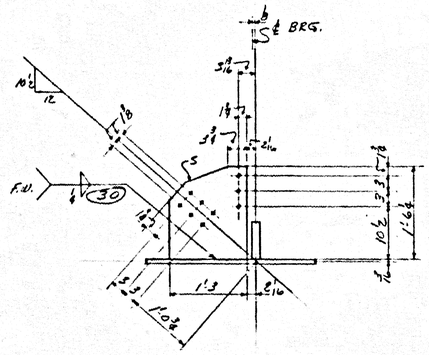
SEC. C-C
TYP

MARK	NO.	SIZE	SECTION	WEIGHT	LENGTH	REMARKS
	2	GIRDERS		1-22A	&	1-22B
a	2	PL	12 3/16	3/8	69 10	
b	2	PL	12 3/16	3/8	25 2 3/8	
c	2	PL	18	1	94 9 3/8	
d	2	PL	18	1	95 0 1/8	
f	8	BR	6	1/2	13 0 1/4	
g	12	BR	6	3/8	19 10	
h	2	BR	6	3/8	19 7 3/4	
k	2	BR	6	3/8	19 9 1/2	
14a	2	PL	8	5/8	7 8	NEE
14b	2	PL	8	5/8	7 8	NEE
m	4	BR	6	3/8	0 11	
n	5	PL	15 1/8	3/8	2 10	B
p	4	PL	15 1/8	3/8	2 10	A
s	1	PL	15	3/8	1 6 1/2	H
12a	34	PL	8	1/2	7 8	FEE K-A, 18-B
12b	8	PL	8	1/2	7 8	FEE
12b'	8	PL	8	1/2	7 8	FEE
BB	2	TOP SHOES				DET. ON SHT. 8
FWS	1	WD		1/4	700 6	A
FWS	1	WD		1/4	730 0	B
FW	1	WD		1/4	58 8	A
SDS	2	WD		3/16	9 8	
FW	2	WD		1/8	3 0	
FW	1	WD		1/4	73 8	B
FWS	2	WD		5/16	379 10	

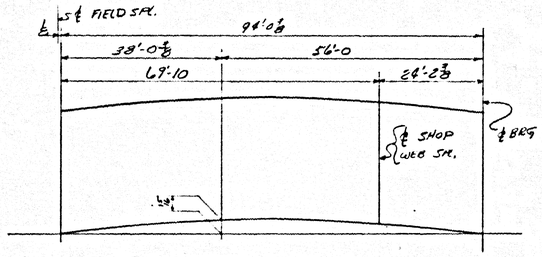
MARK	NO.	SIZE	LENGTH	WEIGHT
70	0	21	0	0K
85	8	21	0	1
95	6	1	1	1
95	6	1	1	1



SEC. H-H



SEC. K-K (FOR A)



CAMBER DIAGRAM

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

1	22B	1	GIRDER	OPP HD.
1	22A	1	GIRDER 8'6 x 18 x 95'-1	AS SHOWN
NO.	MARK	REQD.	DESCRIPTION	REMARKS
INSTALLMENTS	REQUIRED LIST:			

SEE SHT. GN1
FOR GEN. NOTES

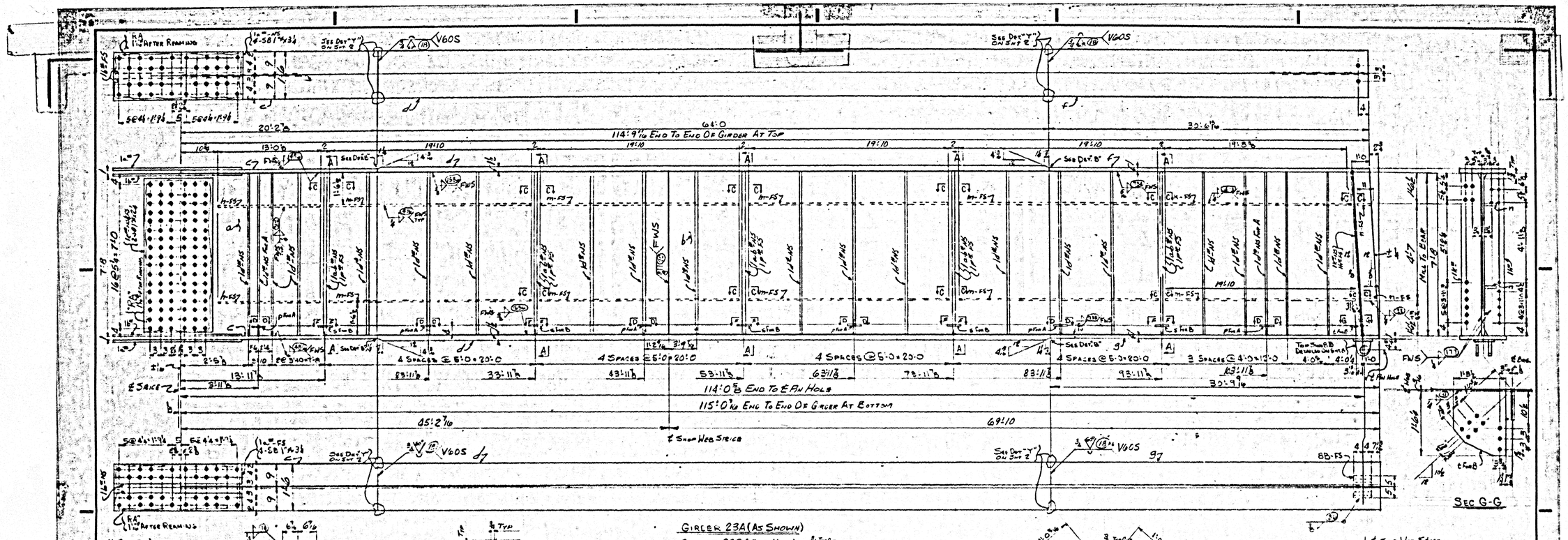
MATERIAL ASTM-A36
BOLTS OR NUTS 5/16" ϕ U.N.
OPEN HOLE
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1 SHOP CT. PL. (SEE NOTE X)
REMARKS AS NOTED

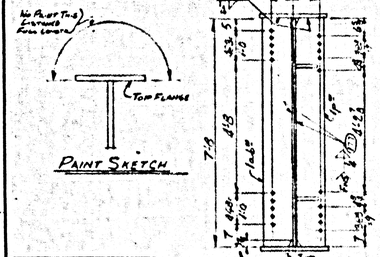
SHOP # 2 28

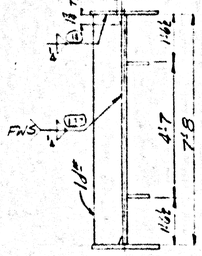
PURCHASER SOLESBAN CONSTRUCTION INC.
Ky. HWY. PROJ. I-75-2(13)25 WHITLEY COUNTY KY
STRUCTURE 10 DOUBLE BOX GIRDER OVER LYNN CAMP CREEK
DETAILS: GIRDERS

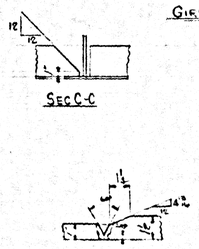
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO SHIPPING BOOK LATSDALE WORK
DRAWN BY AV DATE In Charge L.S.
CHECKED BY EI DATE 7/25/62 SHOP NO.
CONTRACT CE 5890-001 DELIVERY NO. 2288

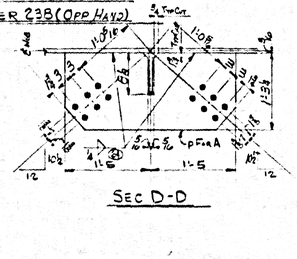
REVISION
DESCRIPTION 1 2 3 4 5 6 7 8 9 0
DATE

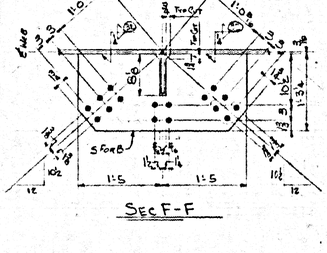


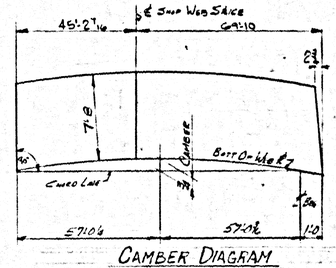












E4

SHOP BILL																	FIELD CHECK								
PIECE MARK	NO.	SIZE OR DESIGNATION	SECTION			LENGTH			REMARKS	PIECE MARK	NO.	SIZE OR DESIGNATION	LENGTH			REMARKS
			WIDTH	THICK		FT	IN	8THS					FT	IN	8THS	
		2 GIRDERS 1-23A & 1-23B														
	a	2	PL	98 3/4		3/8	45	2 7/16		22 1						
	b	2	PL	98 3/4		3/8	67	10		22 2						
	c	4	PL	18		1	20	2 3/8		B 4						
	d	4	PL	18		1 1/2	64	0		B						
	f	2	PL	19		1	30	6 3/16		L 15						
	g	8	PL	18		1	30	9 3/16		L 19						
	h	4	Bx	6		5/8	13	0 3/8								
	K	8	Ba	6		3/8	19	8 3/8								
	m	18	Bx	4		1/4	19	10								
	n	4	Bx	6		1/4	0	11								
	P	6	PL	15 1/4		3/8	2	10	A							
	P	5	PL	15 1/4		3/8	2	10	B							
	t	1	PL	15 1/4		3/8	1	6 3/4	B							
	K"	4	PL	18		7/16	4	3 3/8								
	1K"	8	PL	8 1/2		7/16	4	3 3/8								
	1c"	4	PL	20		5/8	7	6								
	1P"	40	Ex	8		1/2	7	8	F&E 1-A							
	1q"	10	Ex	8		1/2	7	8	F&E							
	1p"	10	Ba	8		1/2	7	8	F&E							
	11"	2	PL	8		5/16	7	8	M&F							
	1K"	8	Ex	8		5/8	7	8	M&F							
				10	SE	1"		0	3 1/4							
				4	SE	1"		0	2 1/4							
	FWS	2	WD			5/16	203	8								
	FWS	2	WD			3/8	254	0								
	FWS	1	WD			1/2	934	2	A							
	FWS	1	WD			1/4	905	2	B							
	FW	1	WD			1/4	71	10	A							
	FW	1	WD			1/4	64	2	B							
	FW	2	WD			3/8	3	10								
	SDS	2	WD			3/8	7	8	M&F							
	VWS	2	WD			1	6	0								
	BB	2	TH SIDES						DET ON SHT A							

NOTE X
Both sides of material adjacent to all rect. holes must be free of burrs, loose scale, and paint for a distance of 3" from the edge of holes.

29

INSTALLMENT	REQUIRED LIST			
	PIECE	MARK	DESCRIPTION	REMARKS
S2				
1	ONE	23A	GIRDER	114'-2 11/16"
1	ONE	23B	do	114'-2 11/16"

FOR GEN. NOTES SEE GN-1

MATERIAL – ASTM-A36
RIVETS OR BOLTS –
OPEN HOLES – 15/16" U.N.
A325 FIELD BOLTS –
SHOP CONTACT SURFACES – N.P.
WELD – AS NOTED
PAINT – 1 COAT ZINC RICH PRIMER U.N. (SEE NOTE X)
FRACTURE – AS NOTED

SALTSMAN CONSTRUCTION, INC.

STRUCTURE
KY. HWY. BR. I-75-2(13)25 WHITLEY COUNTY, KY.
S.B. BRIDGE OVER LYNN CAMP CREEK

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO SHIPPING WORKS — LOCKPORT, ILL. WORKS

DRAWN BY ECE DATE 7-20-67 IN CHARGE J.G.
CHECKED BY NL DATE 7-26-67 SHOP NO.

CONTRACT CE 5370-001 DRAWING NO. 23

BRIDGE

SEE DET. 'A' — SEE DET. 'Y' SHT. #2 — R.A HLS. — 69'-10 — SHOP WEB SPLICE — 35'-2½ — 103'-0⅜ — FWS 3-TYP. — 25'-6⅛ — 11'-6½ — 19'-10 — 54'-0 — 20 SPCS @ 5'-0" = 100'-0 — 105'-0¼ END TO END — 105'-0 C/C FIELD SPLICE — 12'-6⅛ — 22'-6⅛ — 32'-6⅛ — 42'-6⅛ — 52'-6⅛ — 62'-6⅛ — 72'-6⅛ — 82'-6⅛ — 92'-6⅛ — 102'-6⅛ — ℄ FIELD SPLICE

Sec. "B-B"

NO POINT THIS AREA FULL LGTH

Sec. "A-A" (TYP.)

GIRDER-24A - AS SHOWN

" 24B - OPP HAND

DET. "A" (T.F. FLG. SPLICE TOP & BOTT.)

CAMBER DIAGRAM

SECT 'G-G'

SECT 'H-H'

SEC. 'C-C' - 'D-D' 'E-E' - 'F-F'

INSTALL	REQUIRED LIST			
S3'	QTY.	MARK	DESCRIPTION	REMARKS
/	1	24A	GIRDER 7'-0" 21 WEB PLT	AS SHOWN
/	1	24B	"	OPP HAND

30

SEE 24BB

SALTSMAN CONSTRUCTION INC.
KY HWY. BRIDGE I-75-2 (12) 25 WHITLEY CO.
S.B. BRIDGE OVER LYNN CREEK
GIRDERS (LINES 2 & 3)

BETHLEHEM STEEL CORPORATION
LEESPORT

CONTRACT CE 5870-601 SHEET NO. 24 AB

BRIDGE

	ASSEMBLY MARK	NO.	MARK	SHOP BILL SECTION SIZE	SHOP BILL SECTION SIZE OR PATTERN	SHOP BILL SECTION WEIGHT	SHOP BILL LENGTH FT.	SHOP BILL LENGTH IN.	SHOP BILL REMARKS	FIELD CHECK SECTION FT.	FIELD CHECK SECTION IN.	FIELD CHECK LENGTH
1		2	GIRDERS L-24A E1-24B									
2	a	2	PL	93¼		⅜	69	10				22 4
3	b	2	PL	88¼		⅜	35	2¼				22 6
4	c	8	PL	18		1	25	6⅛				7 6
5	d	4	PL	18		1½	54	0				7 15
6	f	8	BR	6		⅜	11	6½				
7	g	12	BR	6		⅜	19	10				
8	h	32	BR	8		½	7	8	FLE			
9	k	10	BR	8		½	7	8	FZE			
10	kab	10	BR	8		½	7	8	FZE			
11	l	6	PL	15¼		⅜	2	10	B			
12	k	5	PL	15¼		⅜	2	10	A			
13	m	4	BR	6		⅜	19	10				
14												
15	F.W.	2	WD.			¼	32	6				
16	F.W.S	2	WD.			¼	793	2				
17	F.W.S	2	WD.			⅝	204	0				
18	F.W.S.	2	WD.			⅝	216	0				
19	V60S	2	WD.	1	×60°		6	0				
20	SDS	2	WD	⅜	BUTT.		7	8				

For location of blocks shown on this shop mark see Diagram FA

Note A
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

FOR GEN. NOTES SEE GN1

31

MATERIAL A.S.T.M.-A36
RIVETS OR BOLTS
OPEN HOLES ½" U.N.
ASSY. FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT ONE CT. RED LEAD/OIL
REMARKS - AS NOTED

NO.	DATE	BY	DESCRIPTION
9			
8			
7			
6			
5			
4			
3			
2			
1			

REVISION

CUSTOMER SALTSMAN CONSTRUCTION INC.
KY. HWY. BRIDGE I-75 20325 WHITLEY CO. KY.
STRUCTURE S.B. BRIDGE OVER LYNN CREEK
GIRDERS (LINES 2 & 3)

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY MAH DATE 7-22-67 CHARGE L.S.
CHECKED BY HG DATE 7-26-67 SHOP NO.
CONTRACT CE 5870 XX DRAWING NO. 24BB

BRIDGE

GIRDER 25A
GIRDER 25B (OPP HAND)

SEC A-A
FOR A

SEC B-B
FOR B

SEC C-C
FOR A

SEC T-T

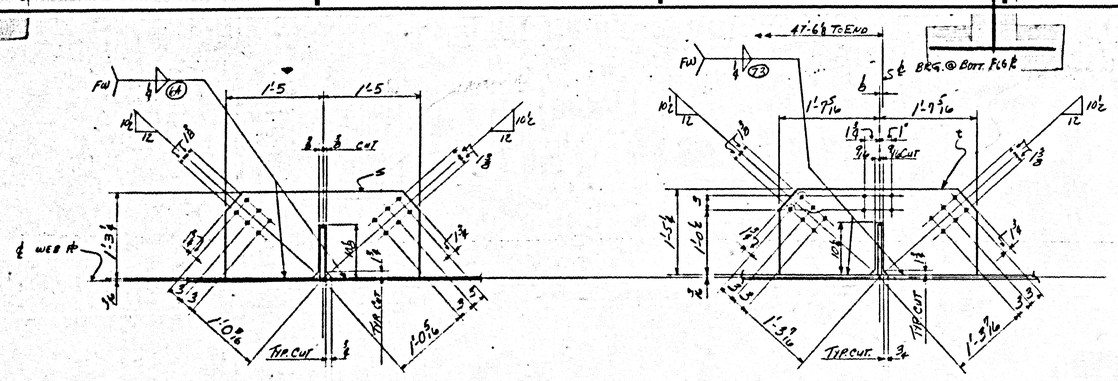
No Paint This Area
Full Length

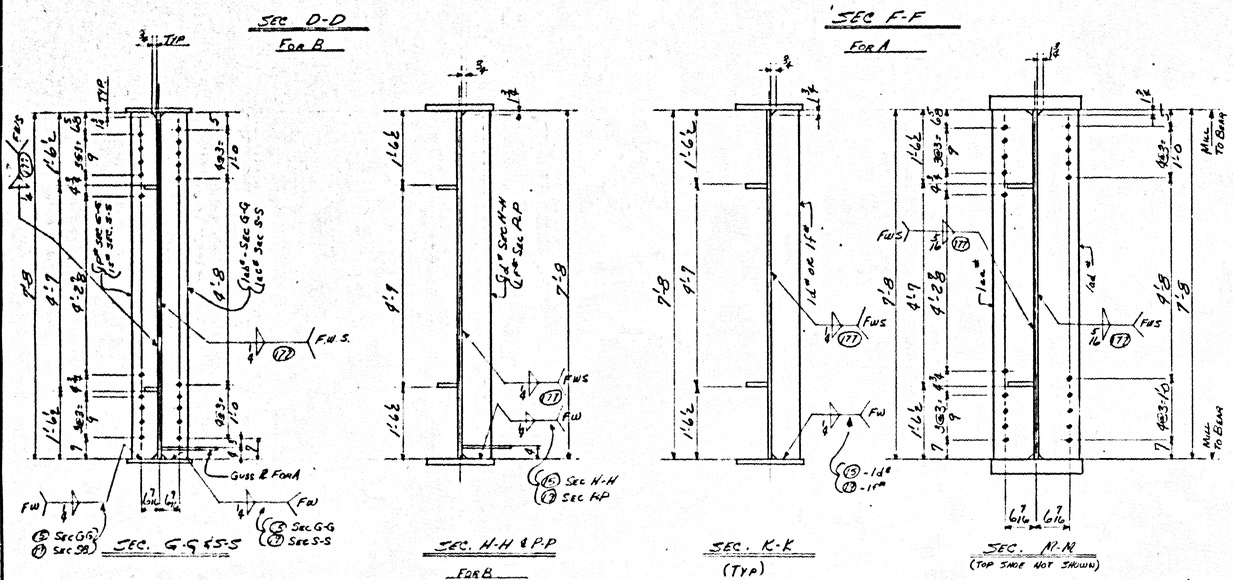
Customer	SALTSMAN CONSTRUCTION INC.
Structure	(1) HWY BRDG. I-75-E(13)X5 WHITLEY COUNTY KY.
	NO. ENMUD CREEK OVER LYNN CAMP CREEK
	GIRDERS
	BETHLEHEM STEEL CORPORATION
	FABRICATED STEEL CONSTRUCTION
Checked by	Date 7-24-67 Shop No.
Contract	CE 5970-001 Drawing No. 25AB

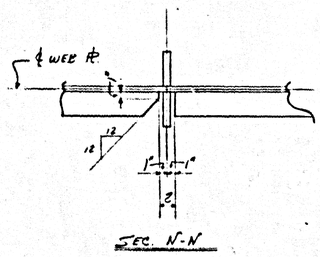
MATERIAL, RIVETS OR BOLTS, OPEN HOLES, A325 FIELD BOLTS, SHOP CONTACT SURFACES, PAINT — SEE SHT. 25BB

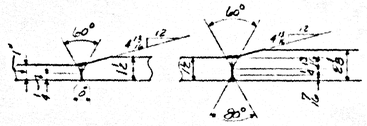
32

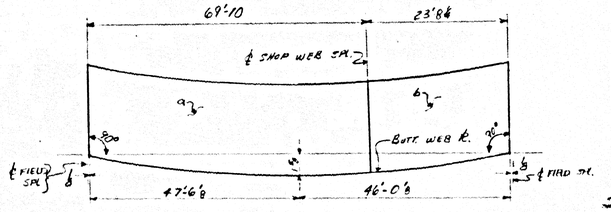
BRIDGE











	MARK	NO.	SHAPE	SECTION	SIZE OR NUMBER	WIDTH	FT.	IN.	REMARKS	WEB	FT.	IN.	
1				2-GIRDERS 1-25A & 1-25B									
2	a	2	PL	93⅜		⅜	69	10		70	0	81	24
3	b	2	PL	93⅜		⅜	23	8½		23	11	81	24
4	c	4	PL	18		1	23	3⅛		50	6	1	18
5	d	4	PL	24		1½	19	3		14	6	1	12
6	f	2	PL	24		2½	20	0		20	2	1	12
7	g	2	PL	24		2½	20	0		20	2	1	12
8	h	4	PL	24		1½	16	0		16	2	1	12
9	k	4	PL	18		1	20	0⅛					
10	m	2	PL	15⅛		⅜	2	10	A				
11	n	2	PL	15⅛		⅜	2	10	B				
12	P	2	PL	17⅛		⅜	3	2⅝	A				
13	s	2	PL	15⅛		⅜	2	10	B				
14	t	1	PL	17⅛		⅜	3	2⅝	A				
15	w	1	BR	6		⅜	6	6⅛					
16	y	8	BR	6		⅜	19	10					
17	aa	2	BR	6		⅜	20	0					
18	ab	2	BR	6		⅜	19	9¼					
19	ac	2	BR	6		⅜	19	10¼					
20	ad	2	BR	6		⅜	19	7½					
21	af	4	BR	6		⅜	5	0¼					
22	1d*	20	BR	8		½	7	8	FOR 9-A, M-B				
23	1f*	4	BR	8		½	7	8	FOR				
24	1ab*	4	BR	8		½	7	8	FOR				
25	1f*	20	PL	10		⅝	7	8	FOR 9-A, M-B				
26	1s*	4	PL	10		⅝	7	8	FOR				
27	1ac*	4	PL	10		⅝	7	8	FOR				
28	1aa*	2	PL	10		1	7	8	MOR				
29	1ad*	2	PL	10		1	7	8	MOR				
30	1a*	8	PL	18		9/16	4	3½					
31	1b*	16	BR	8½		9/16	4	3½					
32	1c*	8	PL	20		⅜	7	6					
33		32	SB	17			0	3⅜					
34		8	SB	18			0	2 4					
35		4	WSB	8			0	5					
36		4	WSB	9⅞			0	5⅜					
37	1A	2	Top SHOES (DET. ON SHT. #1) (No. PA-WELDING)										
38		8	HW	⅞									
39		WELDING											
40	V6080	2	WD				8	0					
41	V605	2	WD				6	0					
42	FWS	2	WD			⅜	204	0					
43	FWS	2	WD			5/16	173	0					
44	FWS	1	WD			¼	766	3	A				
45	FWS	1	WD			¼	827	3	B				
46	FW	1	WD			¼	59	3	A				
47	FW	1	WD			¼	57	6	B				
48	SDS	2	WD	⅞ BUTT			7	8					

INSTALLMENTS				REQUIRED LIST:			
NO.				MARK	REQ'D	DESCRIPTION	REMARKS
1				25A	1	GIRDER 8'-0 x 2'-6 x 97'-10	AS SHOWN
1				25B	1	GIRDER 8'-10 x 2'-6 x 97'-10	OPP. HD.

SHOP No 2

33

SEE SHT. GN1 FOR GEN. NOTES.

MATERIAL ASTM-A36
WASHER BOLTS ⅞" ℄
OPEN HOLES 15/16" ℄ H.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-Ct RL. H.N.
See Note 1
REAMING - See Gen. Notes

SALTS MAN. CONSTRUCTION INC.
Ky. Hwy. Bridge I-75 E(13) 8 on Whitley County Ky
STRUCTURE No Bound Bridge over Lynn Camp Creek
GIRDERS

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETTSDALE WORKS
MADE BY R.V. DATE 7-31-67 IN CHARGE L.G.
CHECKED BY J.L. DATE 7-31-67 SHOP NO.
CONTRACT CE 5870-001 DRAWING NO. 25 BB

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes.

For locations of details shown on this sheet refer to diagram.

E2

BRIDGE

GIRDER 26A^B

SEC A-A
SEC B-B

PAINT SKETCH

SEC C-C
SEC D-D

SEC F-F

SEC M-M

DETAIL G

SEC N-N

DETAIL H

SEC K-K

CAMBER DIAGRAM

NOTE A
Both sides of material adjacent to all open holes must be free of burrs, loose scale and paint for a distance of [illegible] from the edge of holes.

INSTALLMENT	REQUIRED LIST			
	WEB'D	MARK	DESCRIPTION	REMARKS
S2	ONE	26A^B	G DGR	8-12-20-67
1	ONE	26A^B	D3	8-24-20-67

FOR GEN. NOTES SEE GN-1 WORK THIS SHEET WITH SHEET 26EB

MATERIAL - ASTM-A36
BOLTS OR RIVETS
OPEN HOLES - 15/16" U.N.
ASS'D FIELD BOLTS
SHOP CONTACT SURFACES - N.P.
WELD - A.W. NOTED
REAMING - AS NOTED
PAINT - 1 COAT TYPE I - RED LEAD U.N. (SEE NOTE A)

SALTSMAN CONSTRUCTION, INC.
STRUCTURE Ky. HWY. BR. I-75-2(13)25 WHITLEY COUNTY, KY.
S.B. BRIDGE OVER LYNN CAMP CREEK
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM LEETSDALE WORKS
NAME OF ECD DATE 7-24-67 BY CHANGE LG
CHECKED BY NL DATE 7-26-67 SHOP NO.
CONTRACT CE 5870-001 DRAWING NO. 26AB

34

E4

BRIDGE

	ASSEMBLY MARK	NO.	SHAPE	SECTION WIDE	SECTION SUB OF POUNDS	LENGTH FT	LENGTH IN	REMARKS
1			2-Girders			1-26A6	& 1-26A6	
2	a	2	PL	93½		⅜	25 8¼	
3	b	2	PL	93½		⅜	69 10	
4	c	4	PL	18		1	20 3⅜	
5	d	4	PL	24		1½	15 0	
6	e	2	PL	24		2¼	24 6	
7	g	4	PL	24		1½	14 0	
8	h	4	PL	18		1	17 9⅜	
9	1d*	16	Bx	8		½	7 8	FCE
10	1f*	20	PL	10		⅝	7 8	FCE
11	1k*	4	Bx	8		½	7 8	FCE
12	1w*	4	PL	10		⅝	7 8	FCE
13	1y*	2	PL	10		1	7 8	MCE
14	1m*	2	PL	10		1	7 8	MCE
15	1a*	4	PL	18		7/16	4 3¼	
16	1b*	8	PL	8½		7/16	4 3¼	
17	1c*	4	PL	20		3/8	7 6	
18	K	2	PL	24		2¼	24 6	
19	m	8	Bx	6		⅜	40 0	
20	n	2	Bx	6		3/16	6 3⅝	
21	p	2	Bx	6		⅜	6 5⅜	
22	s	2	Bx	6		⅜	5 2⅜	
23	t	2	Bx	6		⅜	5 0½	
24	w	8	Bx	4		5/16	0 7	DET 20 SHEET
25	1A	2	Top Shoes					
26		14	3B	1"ø			0 3½	
27		4	3B	1"ø			0 2¼	
28								
29								
30	FW	2	WD			¼	32 4	
31	SD	2	WD			3/16	2 0	
32	FWS	2	WD			¼	720 0	
33	FWS	2	WD			5/16	152 0	
34	FWS	2	WD			3/8	222 0	
35	SDS	2	WD			3/8	7 8	
36	VGOS	2	WD			1	6 0	
37	VGOBO	2	WD			1½	8 0	
38								
39		4	HSB	⅞ø			0 5¼	
40		4	HSB	⅞ø			0 5½	
41		8	HW	⅞ø				

	MARK CHECKS	
	SECTION WIDE	LENGTH FT
1		
2		22
3		22 4
4		8 1
5		8 2
6		8 3
7		8 4
8		8 5
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		8 3
20		
21		
22		
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24		
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39		
40		
41		

35

WORK THIS SHEET WITH SHEET 26AB

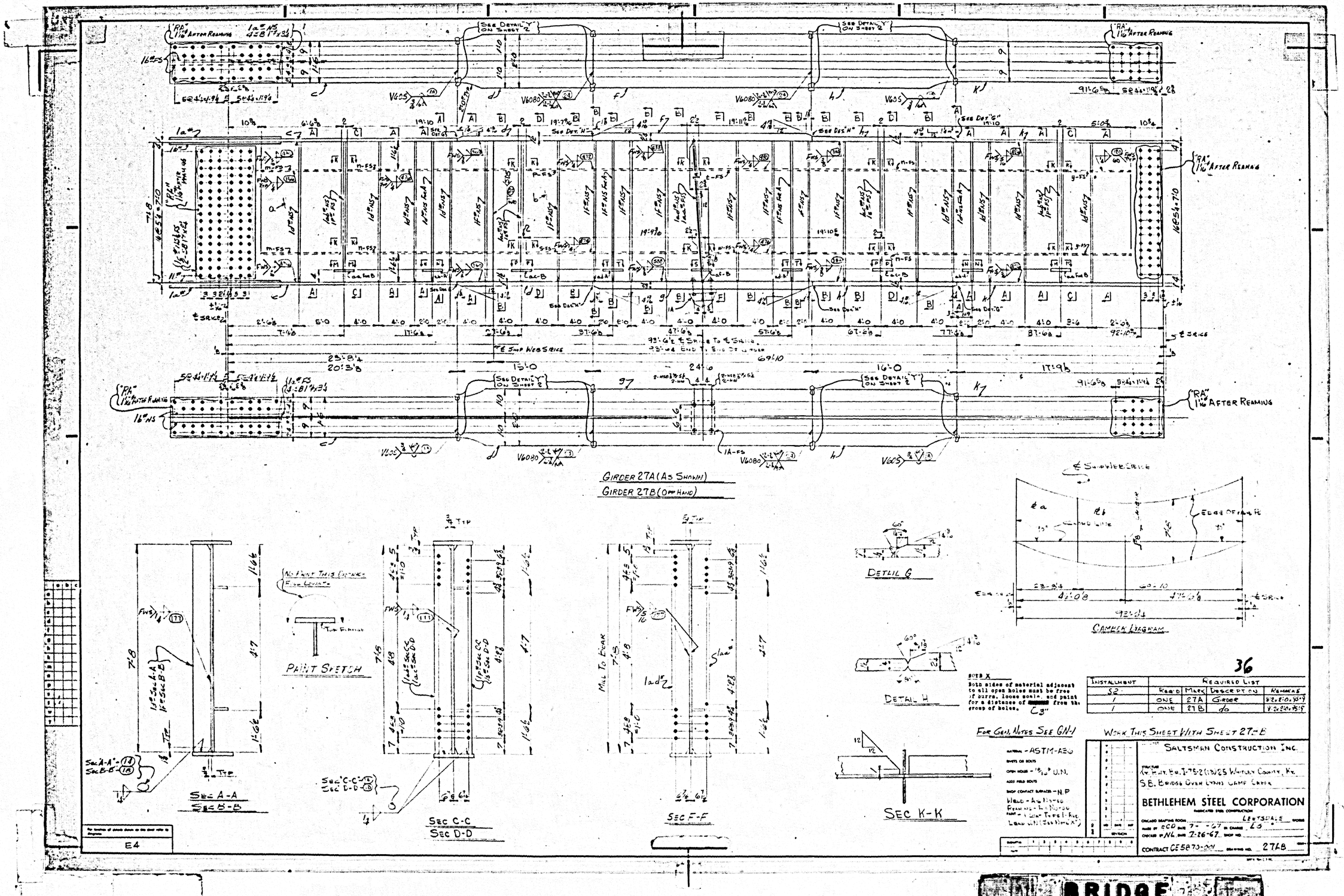
MATERIAL
RIVETS OR BOLTS
OPEN HOLES
ASSS FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
} SEE SHEET 26AB

SALTSMAN CONSTRUCTION, INC.

STRUCTURE KY. HWY. RTE. I-75-2(13)25 WHITLEY COUNTY, KY.
S.B. BRIDGE OVER LYNN CAMP CREEK

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM LEETSDALE WORKS
MADE BY E.D. DATE 7-24-67 CHARGE F.K.
CHECKED BY A.L. DATE 7-26-67 SHOP NO.
CONTRACT CE5972-001 DRAWING NO. 26BB



Installment	Required List			
	Reqd	Mark	Description	Remarks
S2				
1	ONE	27A	Girder	S2.810.355
1	ONE	27B	do	V.2.840.355

36

Note X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of [redacted] from the group of holes. C3

For Gen. Notes See GN-1

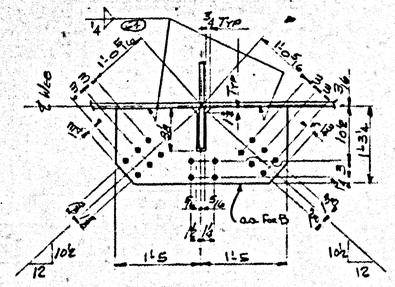
Work This Sheet With Sheet 27-B

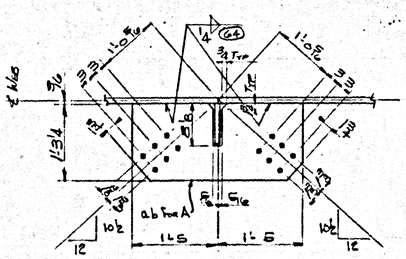
Material - ASTM-A36
Shop Oil Holes
Open Holes - 13/16" U.N.
Ass'd Field Bolts
Shop Contact Surfaces - N.P.
Weld - As Noted
Paint - As Noted
Load Unit (See Note X)

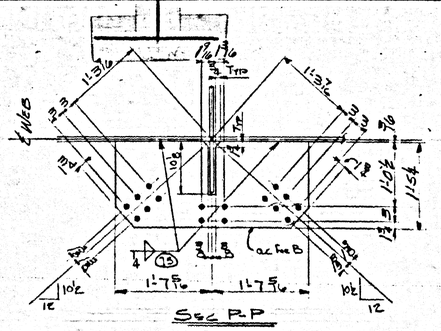
Saltsman Construction Inc.
Structure Ky. Hwy. Br. I-75-2(13)25 Whitley County, Ky.
S.B. Bridge Over Lynn Camp Creek
Bethlehem Steel Corporation
Fabricated Steel Construction
Chicago Shipping Room Leetsdale Works
Date of ECO [redacted] 7-27-67 By Change EG
Checked by NL Date 2-26-67 Shop No.
Contract CE 5873-001 Drawing No. 27AB

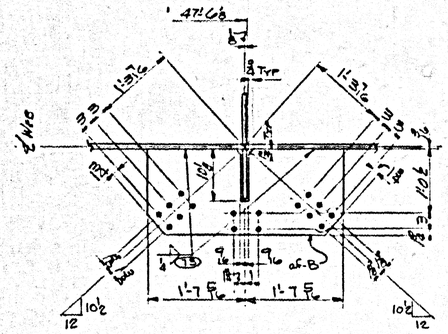
E4

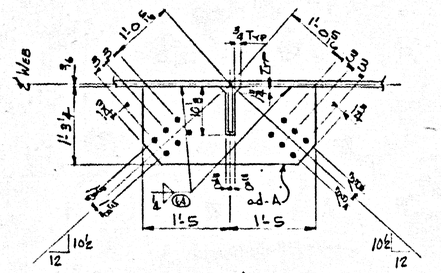
BRIDGE











SHOP BILL

MARK	NO.	SIZE	SECTION SUB OR POUNDS	WIDTH	LENGTH FT.	LENGTH IN.	REMARKS
	2	Girders					I-87A & I-127B
a	2	Pl	93⅜	3/8	23	8¼	
b	2	Pl	93⅜	3/8	69	10	
c	4	Pl	18	1	20	3½	
d	4	Pl	24	1½	15	0	
f	2	Pl	24	2¼	24	6	
g	2	Pl	24	2¼	24	6	
h	4	Pl	24	1½	16	0	
k	4	Pl	18	1	17	9⅜	
1a**	4	Pl	18	7/16	4	3½	
1b**	8	Pl	8½	7/16	4	3½	
1c**	4	Pl	20	3/8	7	6	
1d**	18	Be	8	½	7	8	F2E N-A S-D
1e**	22	Pl	10	5/8	7	8	F2E N-B
1f**	4	Be	8	½	7	8	F6E
1s**	4	Pl	10	5/8	7	8	F2E
1aa**	2	Pl	10	1	7	8	M2E
1ab**	4	Be	8	½	7	8	F6E
1ac**	4	Pl	10	5/8	7	8	F2E
1ad**	2	Pl	10	1	7	8	M2E
m	1	Be	6	3/8	6	6⅜	
n	8	Be	6	3/8	19	10	
p	2	Be	6	3/8	19	7⅛	
s	2	Be	6	3/8	19	7⅜	
t	2	Be	6	3/8	19	11⅜	
w	2	Be	6	3/8	19	10⅝	
y	4	Be	6	3/8	5	0⅜	
aa	2	Pl	15¼	3/8	2	10	B
ab	2	Pl	15¼	3/8	2	10	A
ac	2	Pl	17¼	3/8	3	2⅝	B
ad	2	Pl	15¼	3/8	2	10	A
af	1	Pl	17¼	3/8	3	2⅝	B
1A	2	Top Shoes					DO NOT SHIP WITH GIRDERS
	16	SB	1"ø		0	3½	
	4	SB	1"ø		0	2¾	
V60S	2	WD		1	6	0	
V6080	2	WD		1½	8	0	
FW1	1	WD		½	61	8	A
FW1	1	WD		½	63	11	B
FW3	1	WD		½	805	8	A
FW3	1	WD		½	746	8	B
FW5	2	WD		5/16	151	6	
FW5	2	WD		3/8	222	0	
SDS	2	WD		3/8	7	8	
	4	H.S.B.	7/8		0	2¾	
	4	H.S.B.	7/8		0	3½	
	8	H.M.	7/8				

FIELD CHECK

SECTION	MARK
NO.	NO.
	22
	22
	8
	8
	8
	8
	8
	8

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WORK THIS SHEET WITH SHEET 87AB

MATERIAL
SHOTS OR BOLTS
OPEN HOLES
ASSE FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

See Sheet 87AB

SALTSMAN CONSTRUCTION, INC.

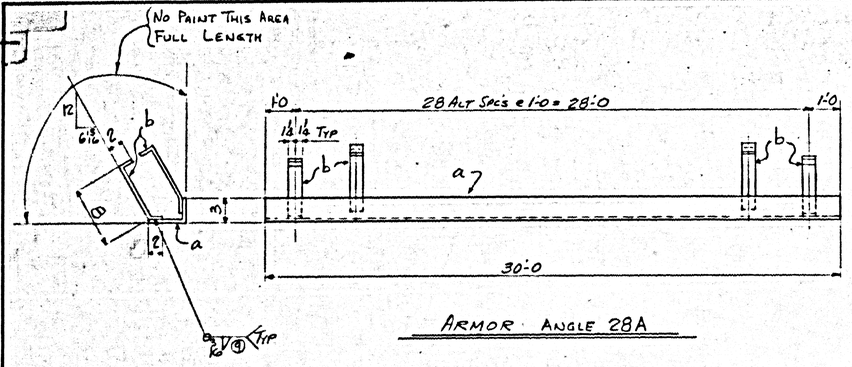
PROJECT
KY. HWY BR I-75-2(13)25 WHITLEY COUNTY, KY.
S.B. BRIDGE OVER LYNN CAMP CREEK

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM LEEDSDALE WORKS
MADE BY BCQ DATE 7-25-67 IN CHARGE LG
CHECKED BY WC DATE 7-26-67 SHOP NO.
CONTRACT CE5870-001 DRAWING NO. 87BB

REVISION

E4



ARMOR ANGLE 28A

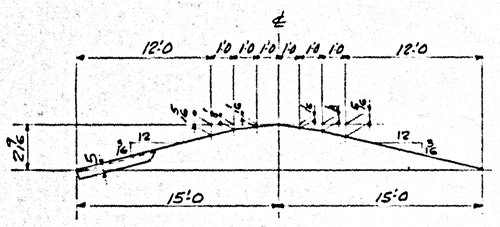


DIAGRAM FOR BENDING ARMOR ANGLE TO ROAD CROWN

EZ & E4

MARK	NO.	SHAPE	SHOP BILL SECTION SIZE	SHOP BILL SECTION GRADE	SHOP BILL LENGTH FT.	SHOP BILL LENGTH IN.	SHOP BILL REMARKS	WALL CHECKS LENGTH FT.	WALL CHECKS LENGTH IN.	WALL CHECKS TOTAL PIECES	WALL CHECKS TOTAL LBS.
			1- ARMOR ANGLES 28A								
a	4	L	5	3		3 3/8	30 0 BENT				
b	116	BR	2 1/2			5/16	1 0 BENT				
			FW 4 WD			5/16	21 9				

INSTALLMENT N1	N2	N3	S1	S2	S3	TOTAL REQ'D	MARK	DESCRIPTION	REMARK
1	1		1	1		4	28A	ARMOR ANGLE	10'6"x30'0"

FOR GEN NOTES SEE GN1

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MATERIAL ASTM-A36
BOLTS OR BOLTS —
OPEN HOLES —
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N P
WELDING: AS NOTED
PAINT 1-CT U.N.

SALTSMAN CONSTRUCTION INC
KY HWY BRIDGE I-75 2(13)25 WHITE COUNTY, KY
STRUCTURE S B BRIDGE OVER LYNN CAMP CREEK
N B BRIDGE OVER LYNN CAMP CREEK

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
DRAWN BY SAK DATE 7/26/67 CHARGE LG
CHECKED BY NL DATE 8-1-67 SHOP NO.
CONTRACT CE5870-006 DRAWING NO. 28

BRIDGE