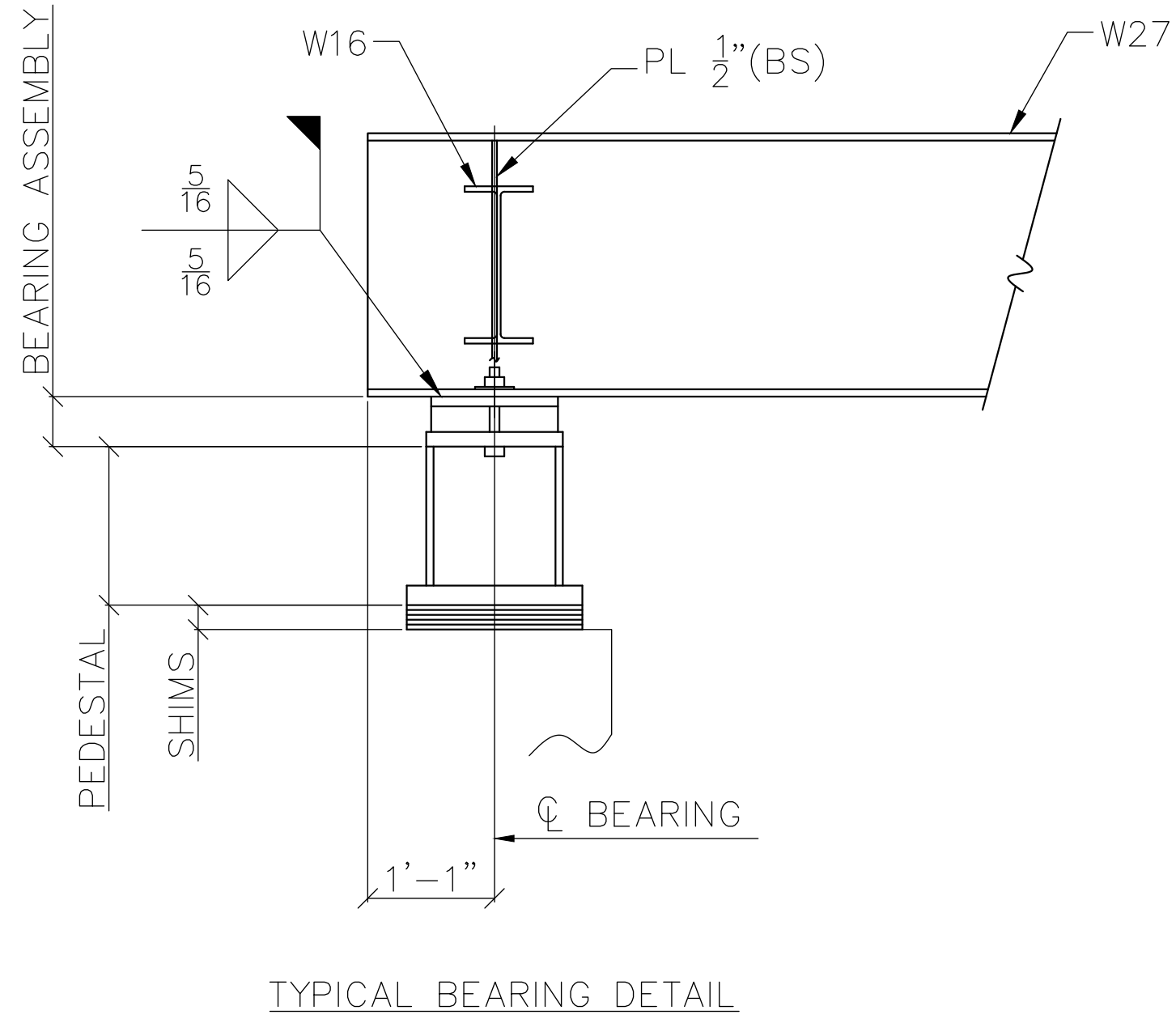


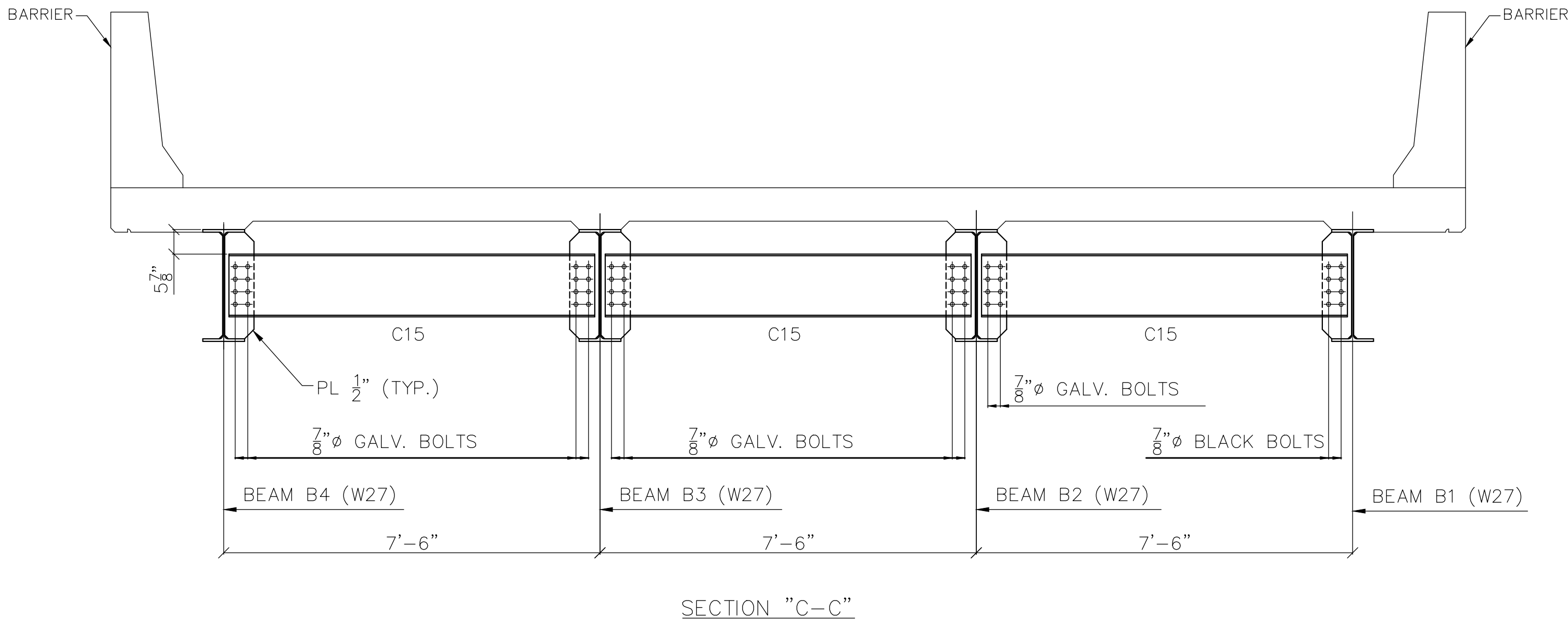
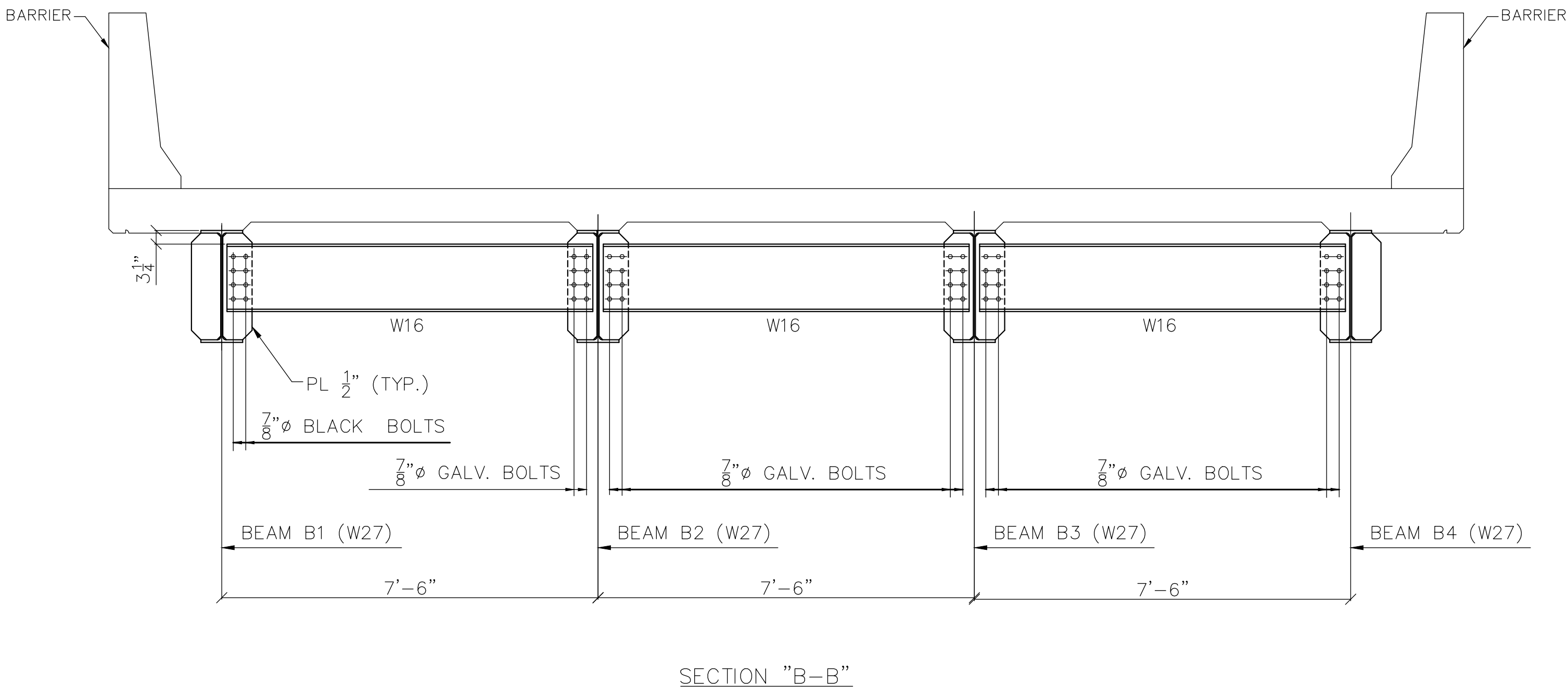
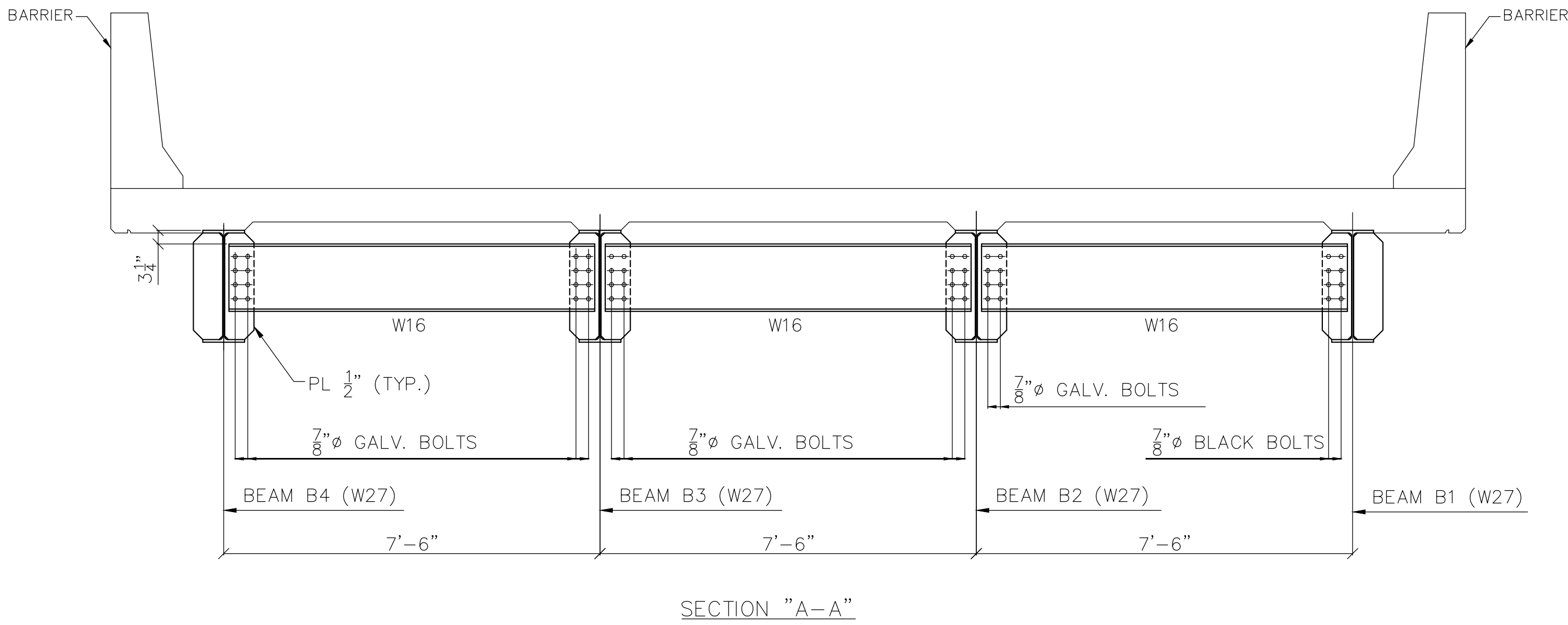
FRAMING PLAN



- NOTES:
- 2) WELDING SHALL CONFORM TO THE CURRENT AASHTO/AWS WELDING CODE WITH NJDOT AMENDMENTS.
 - 2) ALL FIELD BOLTED CONNECTION SHALL BE MADE USING $\frac{7}{8}$ " ϕ A325 BOLTS W/(2) HARDENED WASHERS, (1) UNDER BOLT HEAD AND (1) UNDER NUT (UNO).
 - 3) PIECE MARKS SHOWN THUS [XXX].

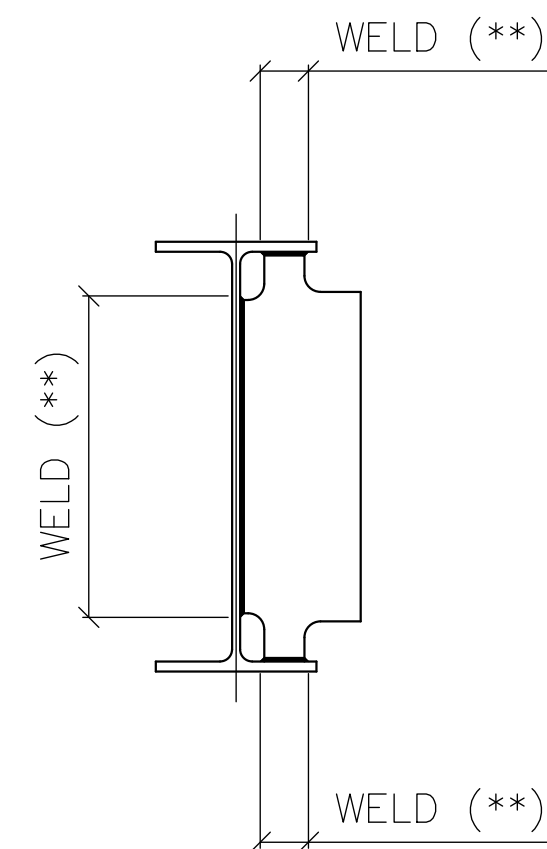


DESIGNER CERTIFICATION		CONTRACTOR APPROVAL STAMP & SIGNATURE	
<div><div></div><div></div><div></div><div></div><div></div></div>		<div>Susan R. Bauer, Inc.</div> <div>427 Margaret King Avenue</div> <div>Ringwood, NJ, 07456</div> <div>973-657-1590 Fax 973-657-1591</div>	
		PROJECT: BEAST DESIGN SPECIMEN #1	
		93 ROAD 1	
		PISCATAWAY TOWNSHIP, N.J. 08854	
		ARCHITECT/ENGINEER: PENNONI ASSOCIATES INC.	
		CONTRACTOR: RON JON CONSTRUCTION	
		DWG. TITLE: FRAMING PLAN & DETAILS	
DRAWN BY: JWB		CHECKED BY: RB	JOB NO. 700.320
DATE: 6/22/17		DATE: 6/24/17	DWG. NO. E1
		REV. <div></div>	

<div></div>	APPROVAL	1.20.19	JWB
REV.	DESCRIPTION	DATE	DRAWN



				DESIGNER CERTIFICATION		CONTRACTOR APPROVAL STAMP & SIGNATURE				
				Susan R. Bauer, Inc. 427 Margaret King Avenue Ringwood, N.J. 07456 973-657-1590 Fax 973-657-1591						
				PROJECT: BEAST DESIGN SPECIMEN #1 93 ROAD 1 PISCATAWAY TOWNSHIP, N.J. 08854						
								ARCHITECT/ENGINEER: PENNONI ASSOCIATES INC.		
CONTRACTOR: RON JON CONSTRUCTION										
DWG. TITLE: FRAMING PLAN & DETAILS										
	APPROVAL	1.20.19	JWB	DRAWN BY: JWB DATE: 6/22/17		CHECKED BY: RB DATE: 6/24/17		JOB NO. 700.320 DWG. NO. E2		REV. 
REV.	DESCRIPTION	DATE	DRAWN							

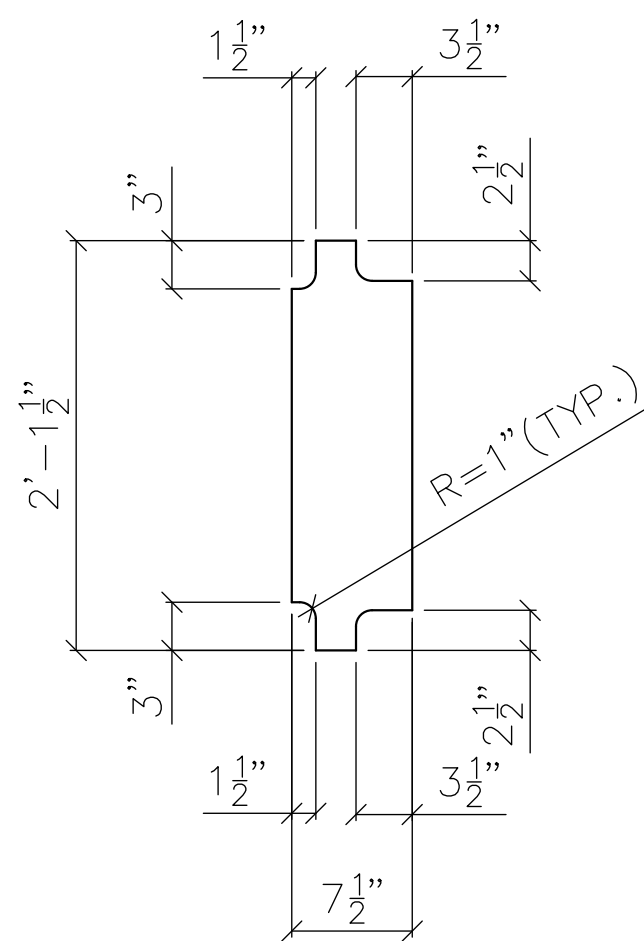


WELD (**):
WELD NEAR SIDE, FAR SIDE
AND ACROSS ENDS.

Diagram of a T-section showing three vertical reinforcement bars. The top bars are labeled $\frac{3}{2}$ " and the middle bar is labeled ma1(TYP).

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions in inches. The drawing includes a side view and a top view. Key dimensions include overall width of 2' - 1 1/2", overall height of 7 1/2", and various section widths and offsets such as 3 1/2", 2", 3", 1 1/2", and 2 1/2". A note indicates a typical radius R=1" (TYP.).

DETAIL OF pa1
(HOLES=1 $\frac{1}{16}$ " ϕ)



Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and a note. The drawing includes the following dimensions:

- Overall width: $2' - 1\frac{1}{2}"$
- Top horizontal dimensions (from left to right): $3\frac{1}{2}"$, $3"$, $2\frac{1}{2}"$
- Top horizontal dimensions (from right to left): $1\frac{1}{2}"$, $3"$
- Left vertical dimensions (from top to bottom): $8\frac{1}{4}"$, $3"$, $2\frac{1}{2}"$
- Bottom horizontal dimensions (from left to right): $3\frac{1}{2}"$, $7\frac{1}{2}"$, $1\frac{1}{2}"$
- Right vertical dimensions (from bottom to top): $3"$, $2\frac{1}{2}"$

A note indicates a radius: $R = 1" \text{ (TYP.)}$

DETAIL OF pc1
(HOLES=1 $\frac{1}{16}$ " ϕ)

[illegible]

DESIGNER CERTIFICATION	CONTRACTOR APPROVAL STAMP & SIGNATURE
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PROJECT:	BEAST DESIGN SPECIMEN #1 93 ROAD 1 PISCATAWAY TOWNSHIP, N.J. 08854
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CONTRACTOR: RON JON CONSTRUCTION

DRAWN BY: JWB DATE: 6/22/17	CHECKED BY: RB DATE: 6/24/17	JOB NO. 700.320 DWG. NO. 1	REV. 
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REF. DWG.: _____


MATERIAL: _____ ASTM 709 GR 50 (UNO)

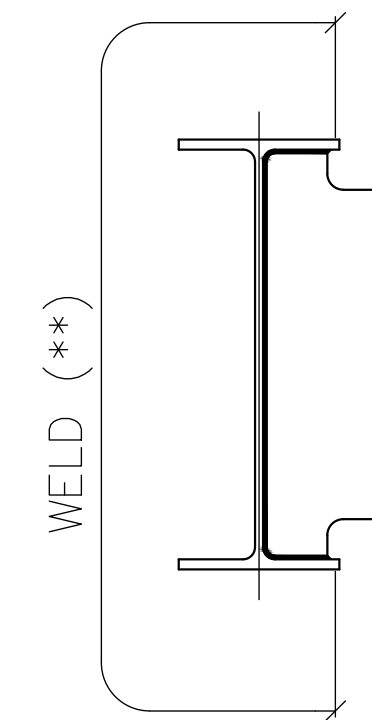
HOLE DIA.: _____ $\frac{15}{16} \phi$ (UNO)

WELD: E70XX/E71T

SURF. PREP.: SEE PAINT NOTE

PAINT NOTE: SEE PAINT NOTE

	APPROVAL	1.20.19	JWB
REV.	DESCRIPTION	DATE	DRAWN



WELD (**):
WELD NEAR SIDE, FAR SIDE
AND ACROSS ENDS.

The technical drawing illustrates a structural connection between two vertical members. The top section shows horizontal dimensions: 3" from the centerline to the edge of the upper member, followed by 2 3/4" to the centerline of the lower member, and another 3" to the edge of the lower member. Vertical dimensions on the right side include 2 1/2" from the top edge to the centerline of the lower member, 1 1/4" from the centerline to the bottom edge of the lower member, and 2 1/2" from the bottom edge to the centerline of the lower member. On the left side, vertical dimensions show 8 7/8" from the top edge to the centerline of the lower member, 8 1/4" from the centerline to the bottom edge of the lower member, and 3" from the bottom edge to the centerline of the lower member. A dimension of 5'00" is shown at the top left. The bottom section shows a cross-section of the connection with two vertical bars labeled 'pb2'. A dimension of 1 1/4" is shown at the bottom left.

Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: $7\frac{1}{2}"$
- Overall height: $2' - 1\frac{1}{2}"$
- Top edge dimensions (from left to right): $2\frac{1}{2}"$, $3\frac{1}{2}"$, $2"$, $3"$, $2\frac{1}{2}"$
- Bottom edge dimensions (from left to right): $2\frac{1}{2}"$, $3\frac{1}{2}"$, $7\frac{1}{2}"$
- Left edge dimensions (from top to bottom): $3\frac{3}{8}"$, $3\frac{3}{8}"$, $3\frac{3}{8}"$, $3\frac{3}{8}"$, $5\frac{3}{8}"$
- Right edge dimensions (from top to bottom): $2\frac{1}{2}"$, $3\frac{1}{2}"$, $2"$, $3"$, $2\frac{1}{2}"$
- Four holes are located in the center of the plate, arranged in a square pattern.
- Radius $R_{8\frac{3}{8}"}$ is indicated at the top right corner.
- Radius $R_{8\frac{3}{8}"}$ is indicated at the bottom right corner.
- Radius $R=1" (TYP.)$ is indicated for the inner corner of the bottom right hole.

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and notes.


Dimensions:

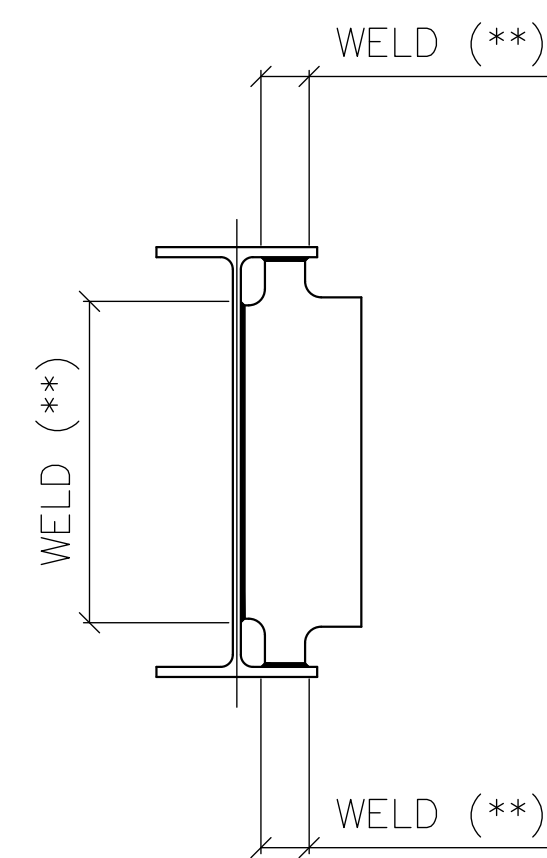
- Overall width: $2' - 1\frac{1}{2}"$
- Overall height: $7\frac{1}{2}"$
- Top horizontal segments: $2"$, $3"$, $2\frac{1}{2}"$
- Right vertical segments: $3\frac{1}{2}"$, $1\frac{1}{2}"$
- Internal horizontal segments: $3"$, $3"$, $3"$
- Internal vertical segments: $2\frac{3}{4}"$, $2\frac{3}{4}"$
- Bottom horizontal segment: $3\frac{1}{2}"$

Notes:

- $R\frac{5}{8}"$ (Top right corner radius)
- $R=1" \text{ (TYP.)}$ (Internal corner radius)
- $R\frac{5}{8}"$ (Bottom right corner radius)

REF. DWG.: _____
MATERIAL: ASTM 709 GR 50 (UNO)
HOLE DIA: 15" ϕ (UNO)
WELD: E70XX/E71T
SURF. PREP: SEE COATING NOTE
PAINT NOTE: SEE COATING NOTE

DESIGNER CERTIFICATION		CONTRACTOR APPROVAL STAMP & SIGNATURE	
<p align="center">Susan R. Bauer, Inc. 427 Margaret King Avenue Ringwood, N.J. 07456 973-657-1590 Fax 973-657-1591</p>			
PROJECT: BEAST DESIGN SPECIMEN #1			
93 ROAD 1			
PISCATAWAY TOWNSHIP, N.J. 08854			
ARCHITECT/ENGINEER PENNONI ASSOCIATES INC.			
CONTRACTOR: RON JON CONSTRUCTION			
DWG. TITLE: SHOP DETAILS			
DRAWN BY: JWB DATE: 6/22/17		CHECKED BY: RB DATE: 6/24/17	
JOB NO. 700.320		REV. 	
DWG. NO. 2			



WELD (**):
WELD NEAR SIDE, FAR SIDE
AND ACROSS ENDS.

[illegible]

Technical drawing of a mechanical part with dimensions and a note:

- Overall length: $2' - 1\frac{1}{2}"$
- Top section dimensions: $2\frac{1}{2}"$, $3\frac{1}{2}"$, $3"$, $3"$, $2\frac{1}{2}"$, $1\frac{1}{2}"$, $3"$
- Bottom section dimensions: $2\frac{1}{2}"$, $3\frac{1}{2}"$, $1\frac{1}{2}"$, $7\frac{1}{2}"$
- Internal features: 6 holes, 3 on each side.
- Note: $R=1"$ (TYP.)

REF. DWG: _____
MATERIAL: ASTM 709 GR 50 (UNS)
HOLE DIA: 1 5/16" Ø (UNS)
WELD: E70XX/E71T
SURF. PREP.: SEE GALVANIZE NOTE
PAINT NOTE: SEE GALVANIZE NOTE

GALVANIZE NOTES:


- 1) SURFACE PREPARATION PRIOR TO GALVANIZING SSPC SP-1 AND SP-2.
- 2) ALL STRUCTURAL STEEL TO BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE REQUIREMENT OF ASTM A123.



[illegible]

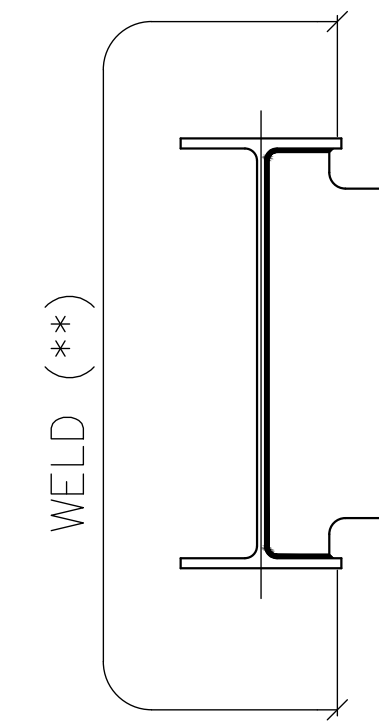
DESIGNER CERTIFICATION	CONTRACTOR APPROVAL STAMP & SIGNATURE
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PROJECT:	BEAST DESIGN SPECIMEN #1 93 ROAD 1 PISCATAWAY TOWNSHIP, N.J. 08854
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DWG. TITLE:

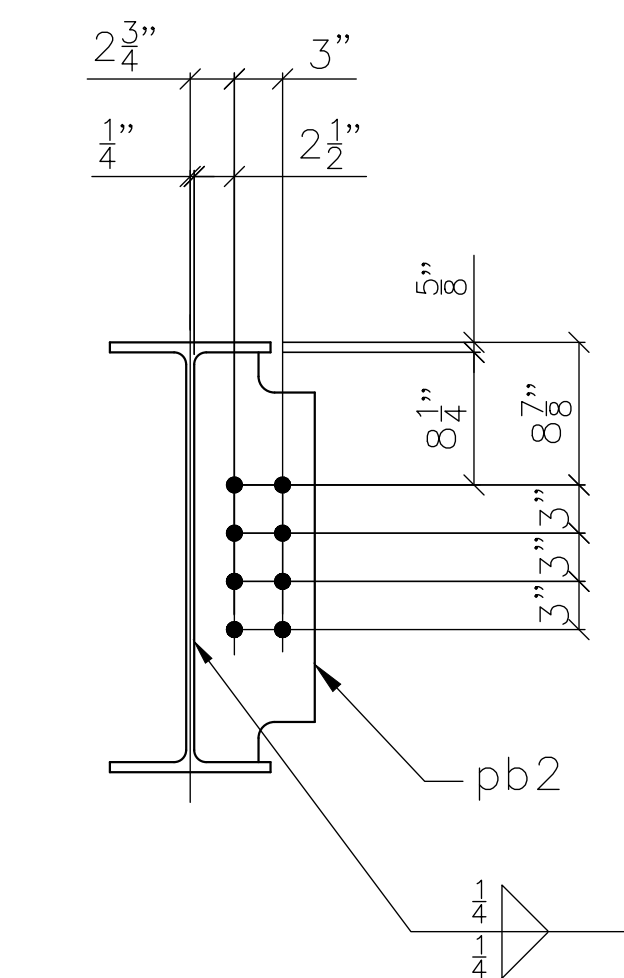
DRAWN BY: JWB DATE: 6/22/17	CHECKED BY: RB DATE: 6/24/17	JOB NO. 700.320 DWG. NO. 3	REV. 
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				PROJECT: BEAST DESIGN SPECIMEN #1 93 ROAD 1 PISCATAWAY TOWNSHIP, N.J. 08854			
				ARCHITECT/ENGINEER: PENNONI ASSOCIATES INC.			
				CONTRACTOR: RON JON CONSTRUCTION			
				DWG. TITLE: SHOP DETAILS			
	APPROVAL	1.20.19	JWB				
REV.	DESCRIPTION	DATE	DRAWN	DRAWN BY: JWB DATE: 6/22/17	CHECKED BY: RB DATE: 6/24/17	JOB NO. 700.320 DWG. NO. 3	REV. 

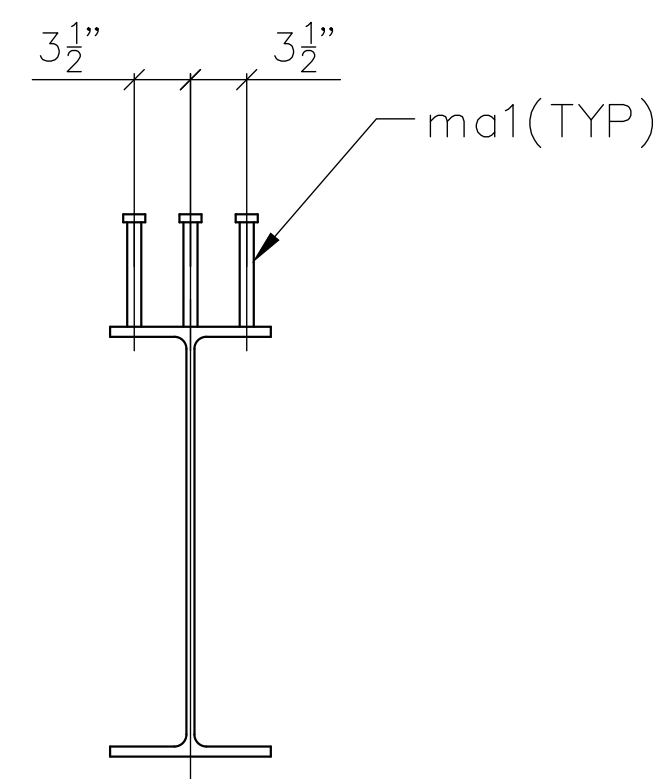


WELD (**):
WELD NEAR SIDE, FAR SIDE
AND ACROSS ENDS.

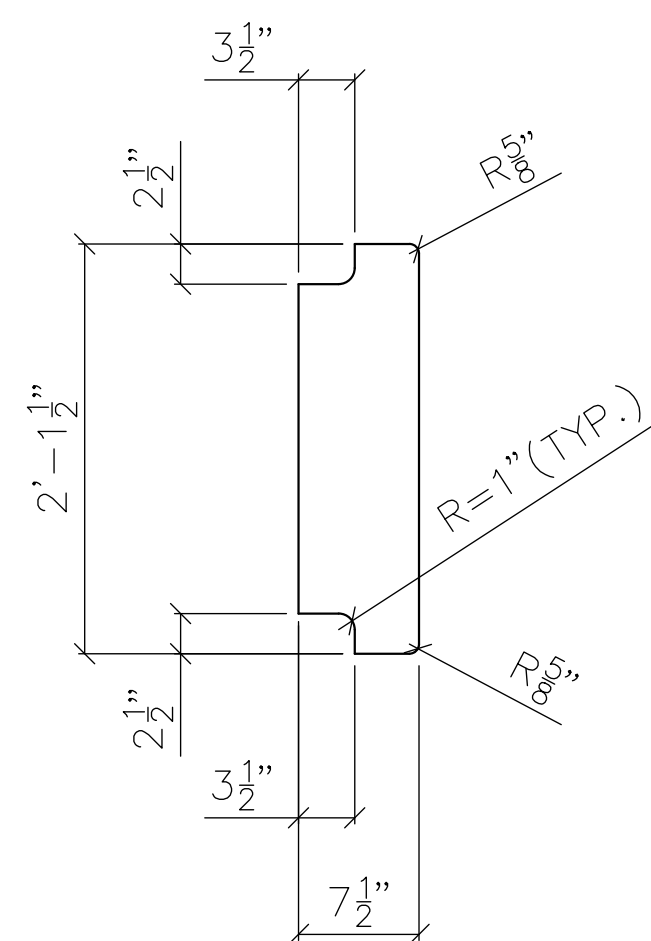
$3\frac{1}{2}''$ $3\frac{1}{2}''$ ma1(TYP)



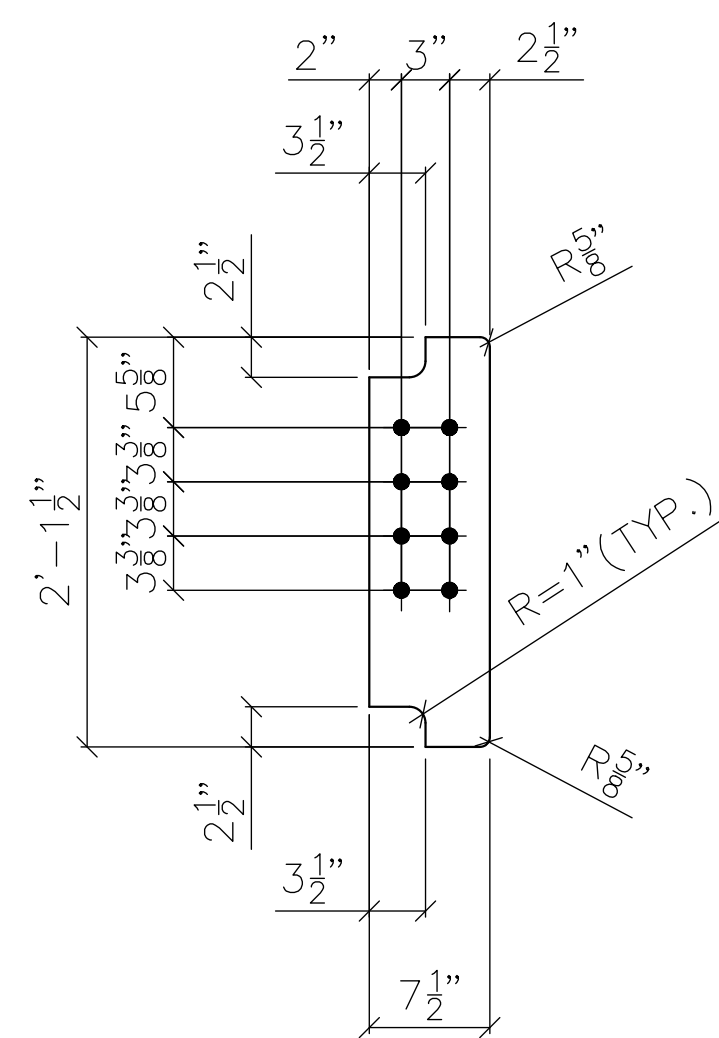
SECTION "B"



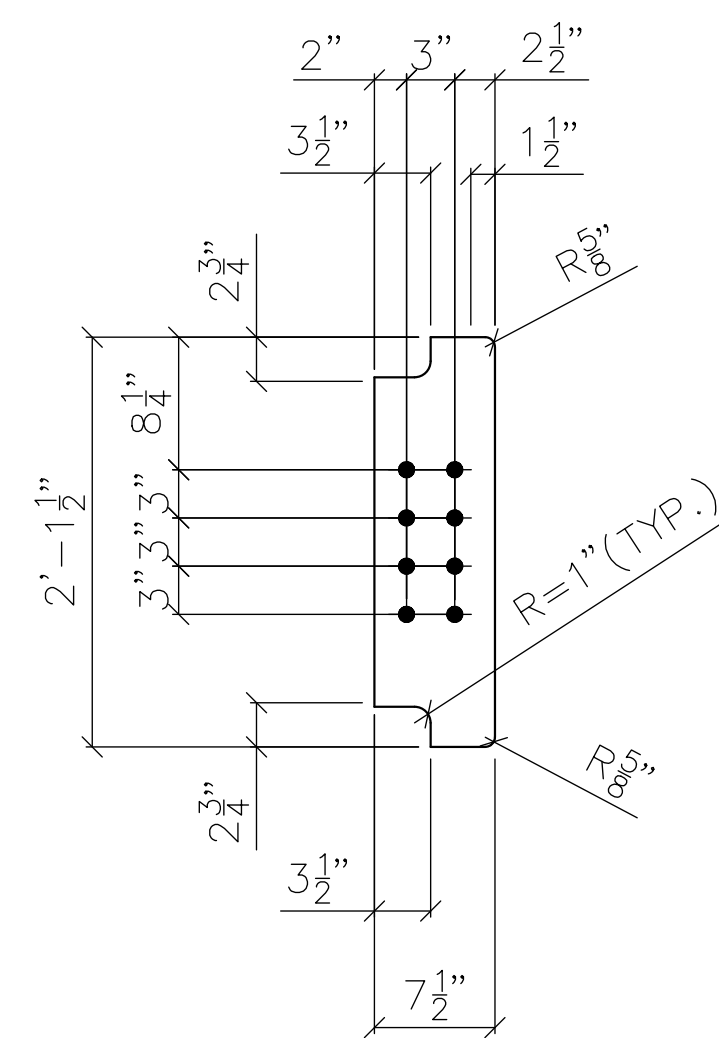
SECTION "C"



DETAIL OF pa4



DETAIL OF pa2
(HOLES=1 $\frac{1}{16}$ " ϕ)




DETAIL OF pb2
(HOLES=1 $\frac{1}{16}$ " \varnothing)

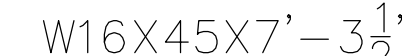
[illegible]

DESIGNER CERTIFICATION	CONTRACTOR APPROVAL STAMP & SIGNATURE
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REV.
A

REF. DWG.: _____
 MATERIAL: ASTM 709 GR 50 (UNO)
 HOLE DIA.: 1 5/16" Ø (UNO)
 WELD: E70XX/E71T
 SURF. PREP.: SEE COATING & PAINT NOTE
 PAINT NOTE: SEE COATING & PAINT NOTE

	APPROVAL	1.20.19	JWB
REV.	DESCRIPTION	DATE	DRAWN



SECTION "B"



25	$\frac{7}{8}$ " \varnothing HEX. HEAD BOLTS	0'	$2\frac{1}{4}$ "	ASTM A325
25	HEX. NUTS FOR $\frac{7}{8}$ " \varnothing BOLTS			ASTM A563
50	FLAT WASH. FOR $\frac{7}{8}$ " \varnothing BOLTS			ASTM F436

GALVANIZE BOLT NOTE:
ALL BOLTS, NUTS AND WASHERS TO BE HOT DIPPED GALVANIZED
IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A153.

Susan R. Bauer, Inc.
427 Margaret King Avenue
Ringwood, N.J. 07456
973-657-1590 Fax 973-657-1591

PROJECT: BEAST DESIGN SPECIMEN #1
93 ROAD 1
PISCATAWAY TOWNSHIP, N.J. 08854

CONTRACTOR: RON JON CONSTRUCTION

DWG. TITLE: SHOP DETAILS

SHOP DETAILS

DRAWN BY: JWB DATE: 6/22/17	CHECKED BY: RB DATE: 6/24/17	JOB NO. 700.320 DWG. NO. 5	REV. 
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PAINT NOTE:

1) SURFACE PREP.: SSPC-SP10

2) PAINT:

PRIMER COAT: CARBOZINC 11 HS DFT: (3-5 MILS)

INTERMEDIATE COAT: CARBOGUARD 880 (DFT 2-3 MILS)

FINISH COAT: CARBOTHANE 133 (DFT 9-12 MILS)

COLOR: FOILAGE GREEN (CHIP NO. 24172)