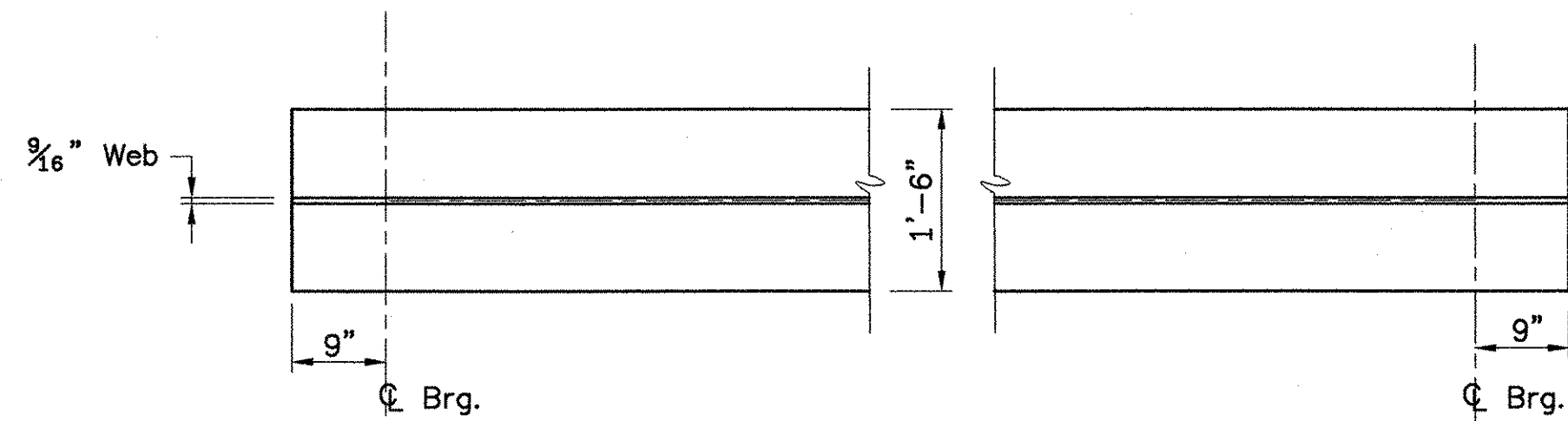
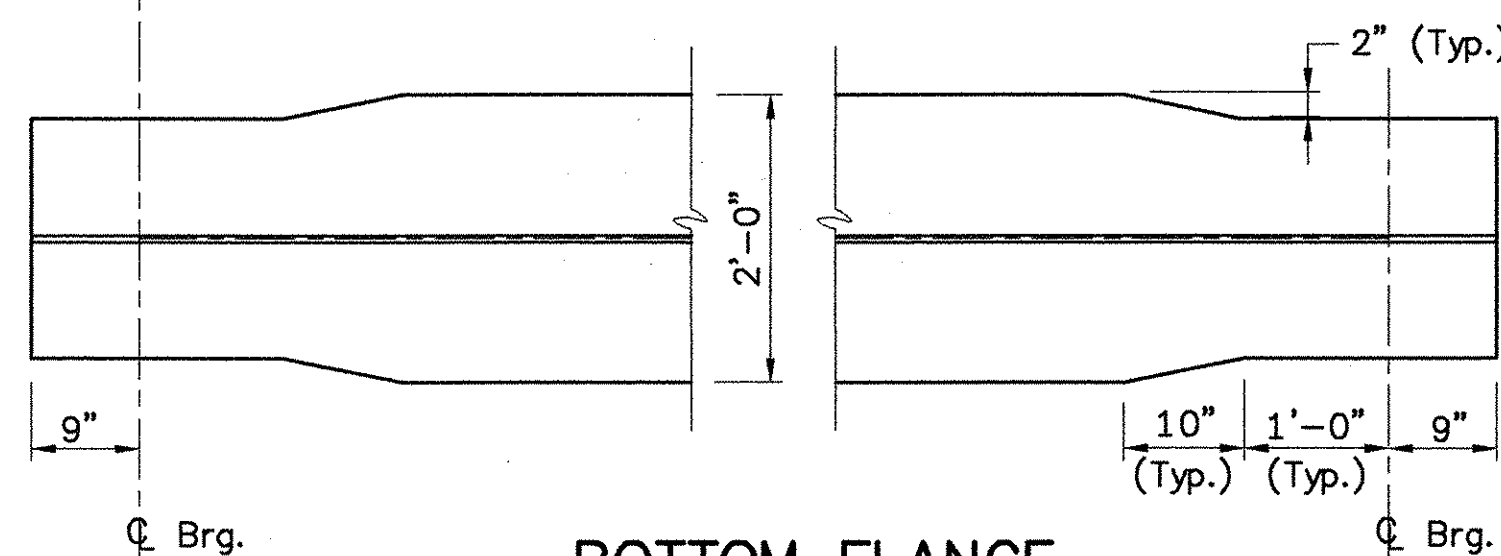


ABUT. NO. 1 (EXP)

ABUT. NO. 2 (FIXED)

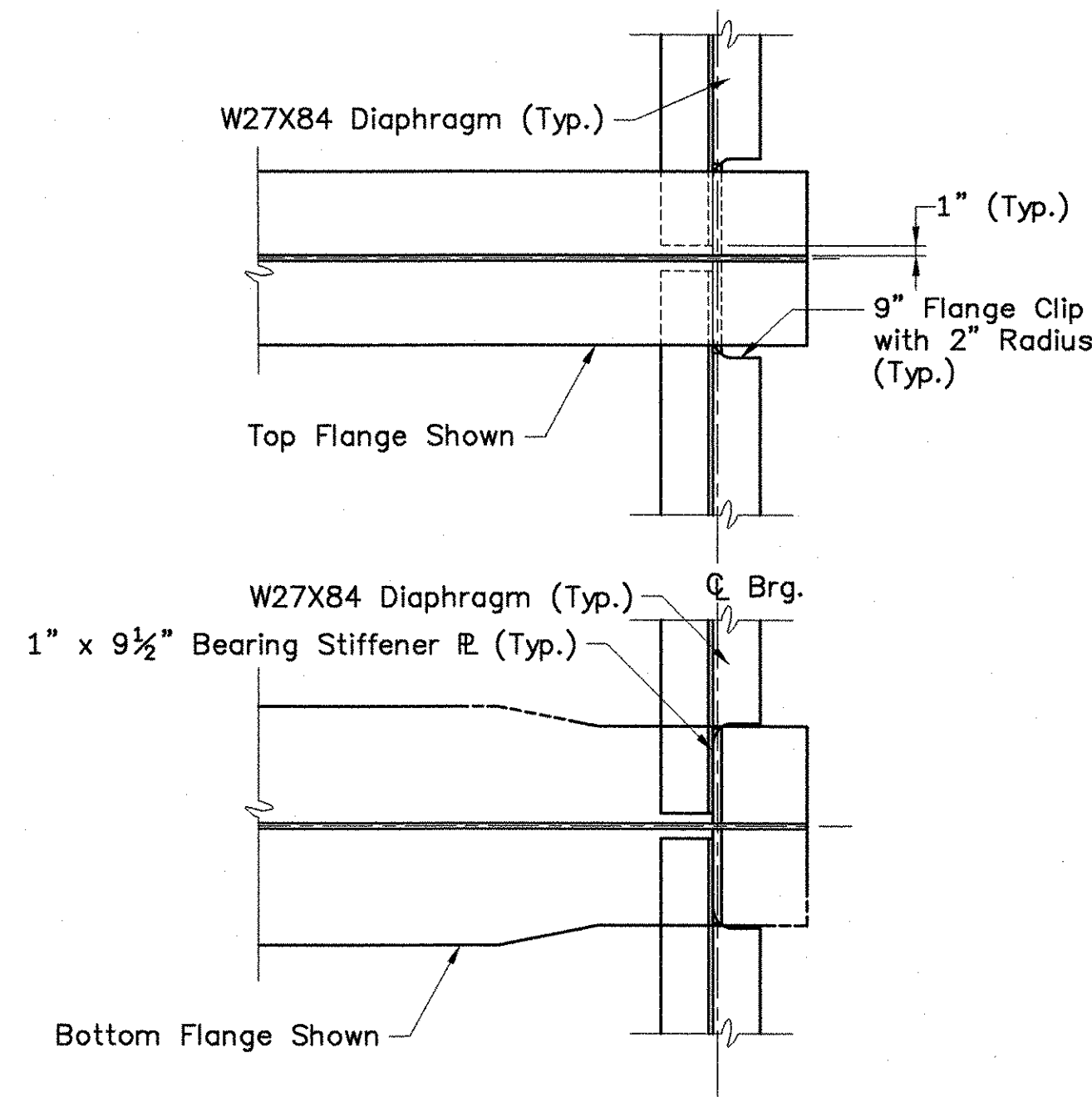


TOP FLANGE



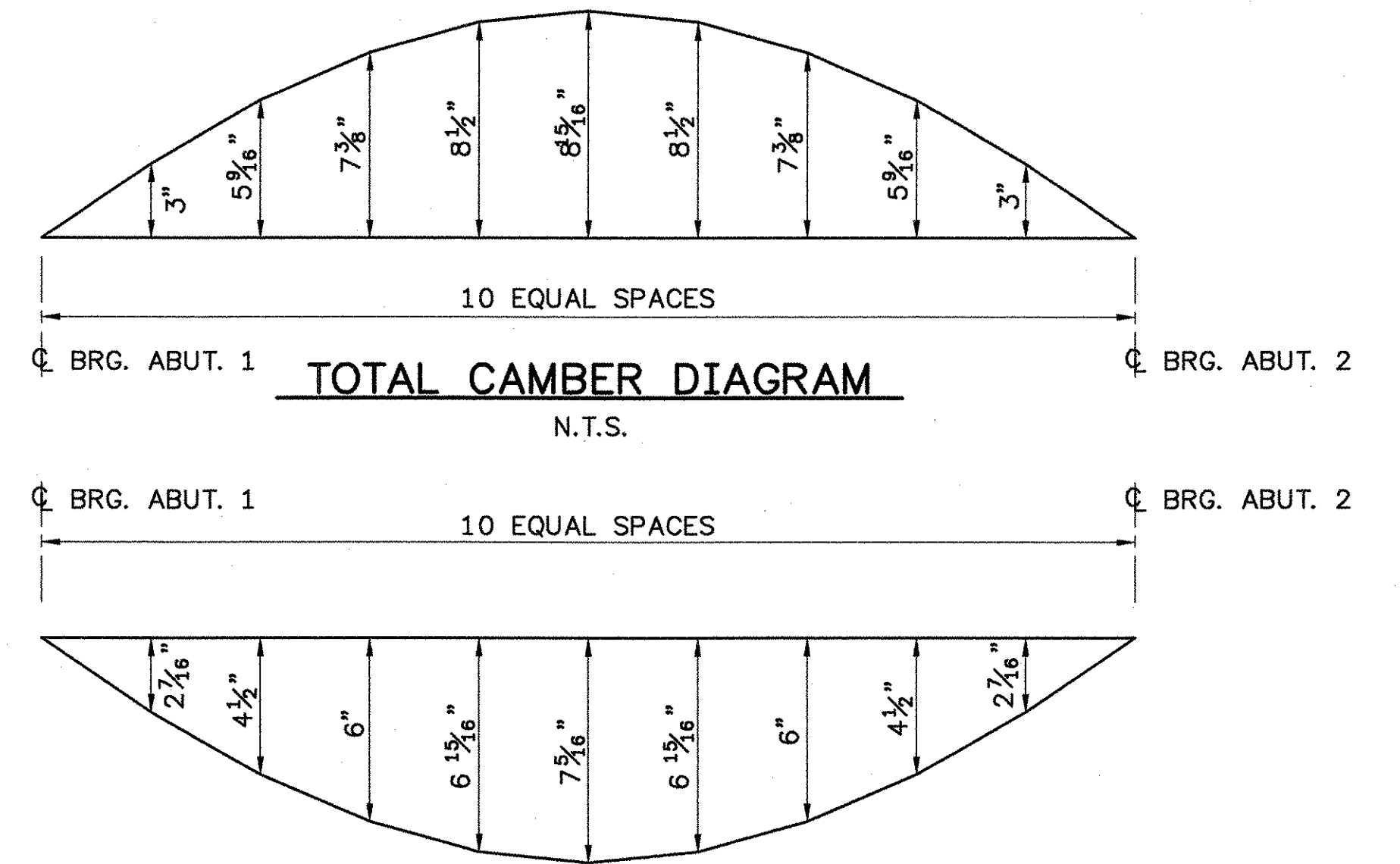
**BOTTOM FLANGE
FLANGE TRIM DETAIL**

Scale: 3/4"=1'-0"



TYPICAL ABUTMENT DIAPHRAGM CONNECTION DETAILS

Scale: 3/4"=1'-0"

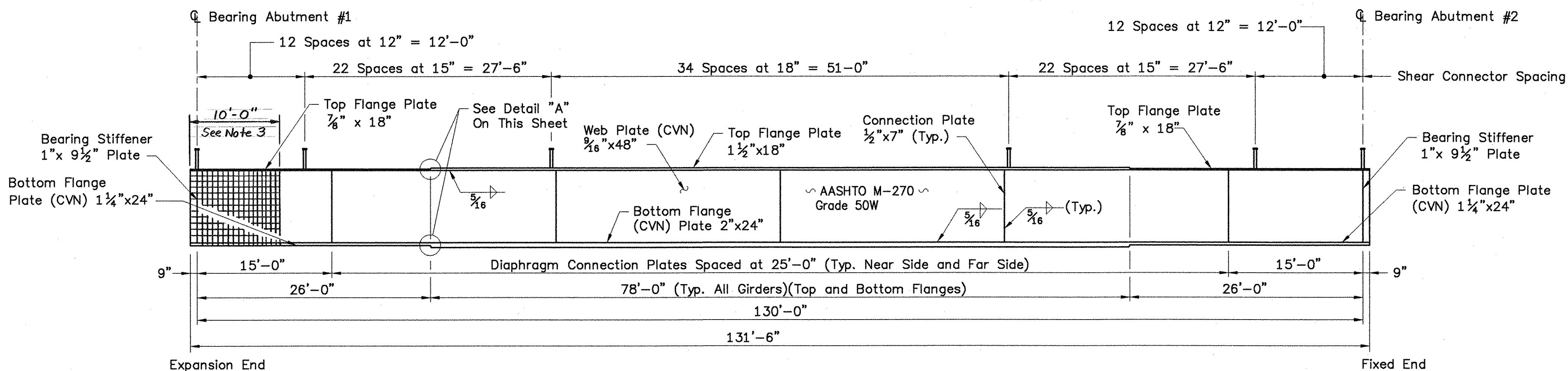


DEAD LOAD DEFLECTION

N.T.S.

NOTE:

EACH GIRDER SHALL BE CAMBERED A TOTAL OF 8 15/16".
TOTAL DEAD LOAD DEFLECTION HAS BEEN CALCULATED TO BE 7 5/8".
THE DESIGN RESIDUAL POSITIVE CAMBER FOR THIS PROJECT IS 1 3/8".



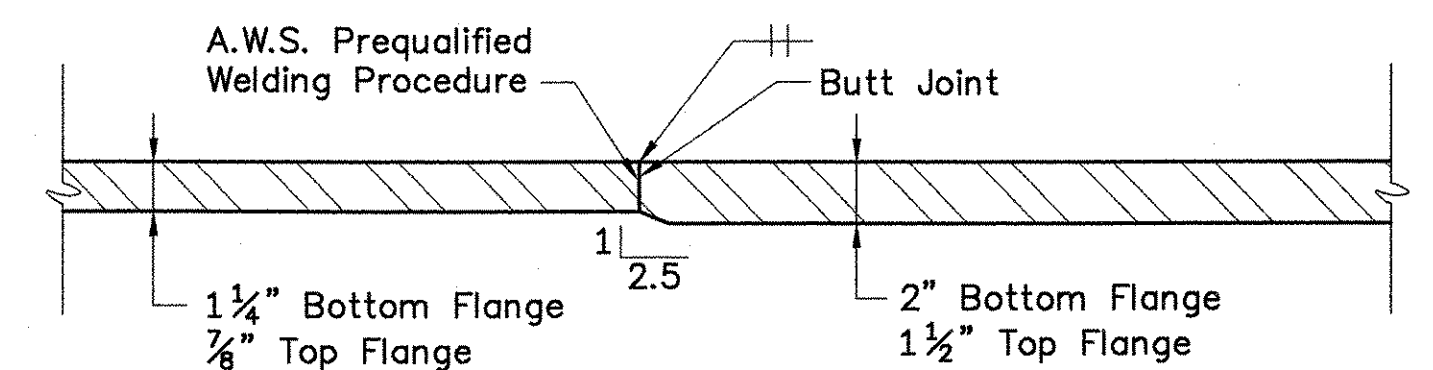
TYPICAL GIRDER ELEVATION

Horizontal Scale: 1/8"=1'-0"
Vertical Scale: 3/4"=1'-0"

FABRICATION NOTES:

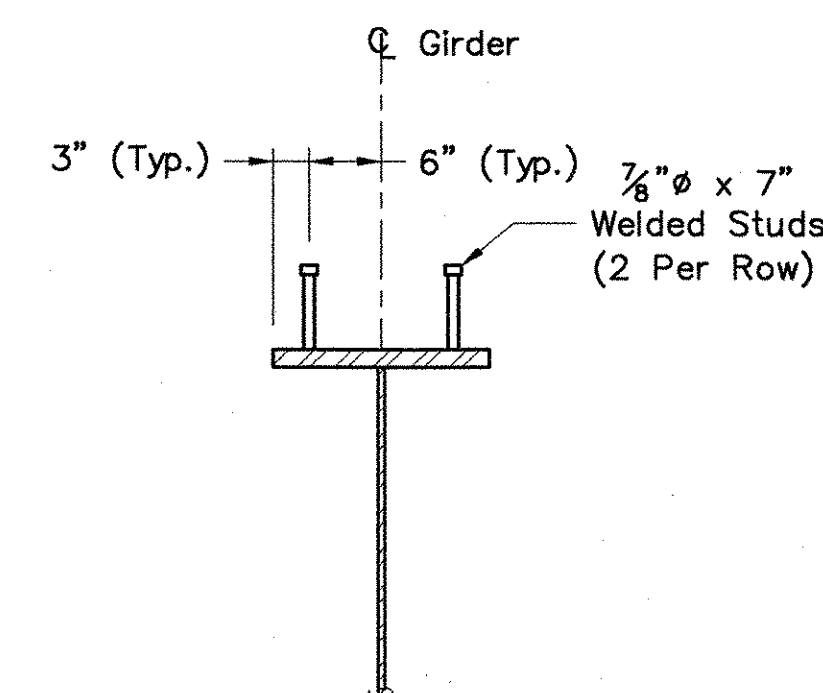
1. AT THE CONTRACTOR'S OPTION, THE TOP AND/OR BOTTOM FLANGE TRANSITIONS MAY BE OMITTED, WITH THE THICKER PLATE EXTENDED TO GIRDER ENDS. IF THE CONTRACTOR SO OPTS, HE SHALL MAKE ALL NECESSARY MODIFICATIONS IN THE WORK, INCLUDING BUT NOT LIMITED TO BEARING SEAT ELEVATIONS, GIRDER CAMBER, BRIDGE SHOES, ETC. PAYMENT SHALL BE BASED ON GIRDER WEIGHT AS IF THE FLANGE TRANSITIONS WERE PROVIDED (I.E., NO INCREASE IN PAY WEIGHT).
2. THE CHARPY V-NOTCH TEST SHALL BE REQUIRED FOR ALL PLATES LABELED WITH CVN. SEE STANDARD SPECIFICATION 714 OF THE 2001 STANDARD SPECIFICATIONS.

3. THE EXPANSION ENDS OF THE GIRDERS AND THE ABUTMENT CROSSFRAMES WILL BE PAINTED AND GREASED. SEE SUPPLEMENTAL SPECIFICATION 513 AND THE DETAILS ON THIS SHEET.



DETAIL A - FLANGE SPLICE

Scale: 3"=1'-0"



SHEAR CONNECTOR DETAIL

Scale: 3/4"=1'-0"

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	ROYALTON	Bridge No.	21
Highway No.	VT. ROUTE 14	Log Sta.	
VT. Route 14 over the First Branch of the White River		Surv. Sta.	
GIRDER ELEVATION & DETAILS			
Designed By	AS	Drawn By	SEN
Checked By	Date	Bridge Design Supervisor	
CLW/LMM	11/00	LMM	Date 11/00
PROJECT	ROYALTON	PROJECT NO.	BRS 0147(5) S
I.G.C. Info.			
Bridge Sheet No.	Sheet		44 Of 76



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91298GDR (1=1)