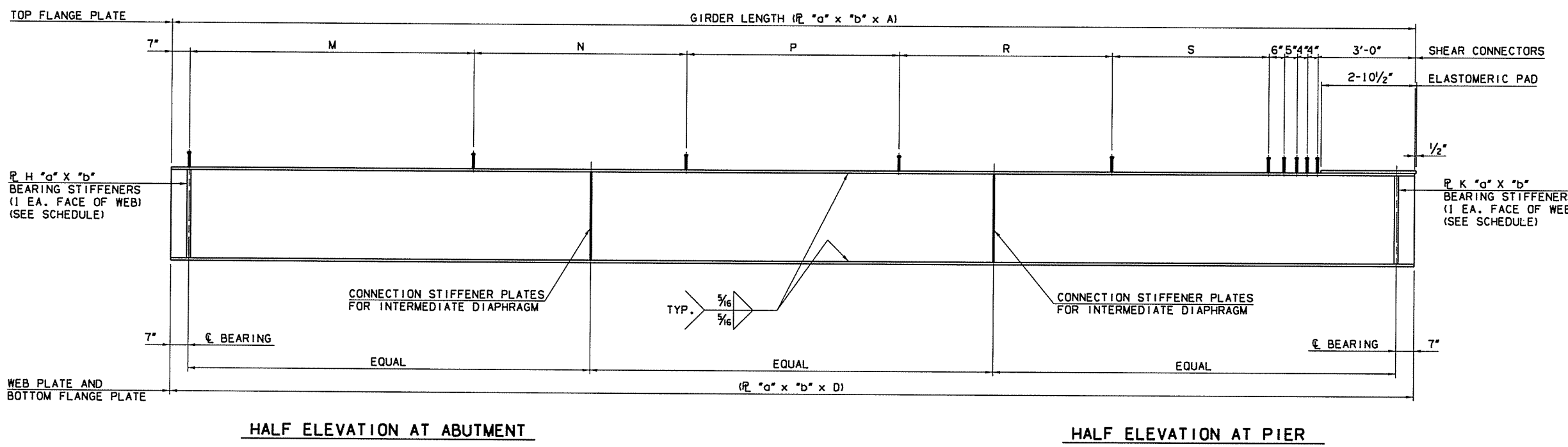


7/12/2016

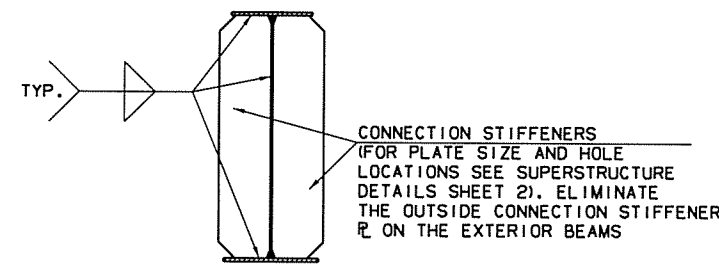
11:27:02 AM

P:\E\1650-TUL\CV\255231000_0001-US169BR-dg\20_DESGN\40_CAD_Opossum\08NS\Bridg 2\27092(04)_S_2_Girder-1.Det.dwg

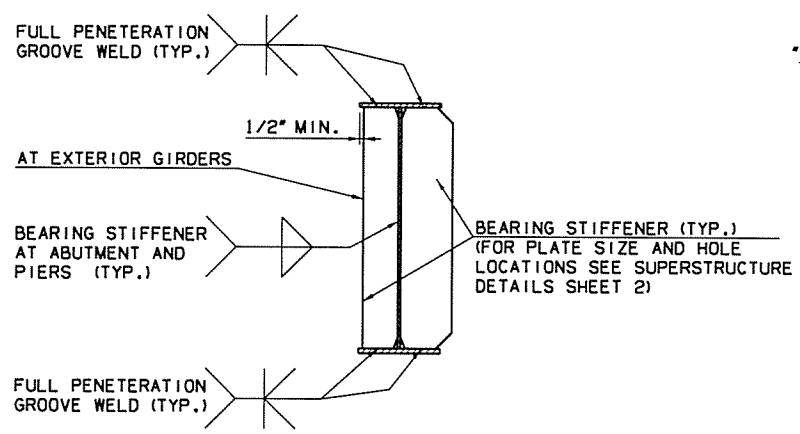
DOT DIVISION	STATE	J/P PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
8	OKLA	27092(04)		81	143



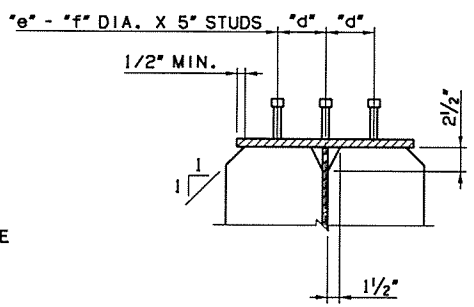
GIRDER ELEVATION (GIRDERS NO. 1 THRU 5 @ SPAN 1, 2 & 3)
SCALE: NONE



CONNECTION STIFFENER PLATE
SCALE: NONE

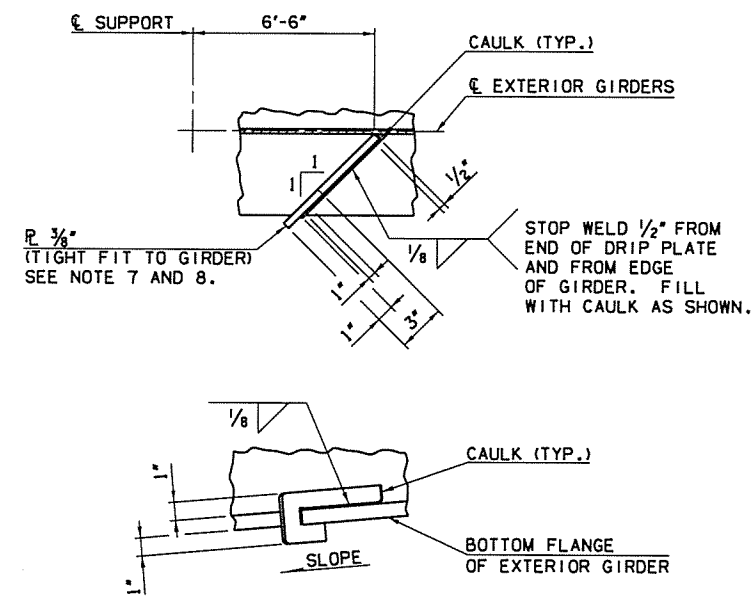


BEARING STIFFENERS
SCALE: NONE



NOTE:
"d" IS FOR DISTANCE BETWEEN STUDS IN INCHES.
"e" IS FOR NUMBER OF STUDS IN A ROW.
"f" IS THE DIAMETER OF STUDS IN INCHES.

STIFFENER CLIP AND SHEAR STUDS
SCALE: NONE



TYPICAL DRIP PLATE DETAIL FOR EXTERIOR GIRDERS
SCALE: NONE

ELASTOMERIC PADS:

PROVIDE ELASTOMERIC PAD WITH A 50 DUROMETER HARDNESS AND CONSISTING OF A SINGLE LAYER. EXTEND PAD 1/2" BEYOND THE END OF THE BEAM. AT SPANS 1 AND 3 ELASTOMERIC PAD IS 3/4" X 12" X 2'-10 1/2". AT SPAN 2 ELASTOMERIC PAD IS 1/8" X 1'-2" X 2'-10 1/2".

NOTES:

- FOR BRIDGE GEOMETRIC DATA SEE GENERAL PLAN AND ELEVATION.
- ALL FLANGE PLATES, WEB PLATES AND STIFFENER PLATES SHALL CONFORM TO THE CHARPY V-NOTCH REQUIREMENTS FOR ZONE 2. CHANNEL DIAPHRAGMS AND GUSSET PLATES DO NOT REQUIRE CHARPY V-NOTCH TESTING.
- PLATE GIRDERS, DIAPHRAGMS, STIFFENER PLATES AND CONNECTIONS PLATES SHALL BE FABRICATED FOR TOTAL DEAD LOAD FIT CONDITION.
- ALL STRUCTURAL STEEL SHALL BE M270 GRADE 50W STEEL.
- BEARING TO BEARING LENGTH IS TAKEN ALONG THE GIRDER WEB AND TOP FLANGE WITH DIAPHRAGMS PLACED AS SHOWN IN THE GIRDER ELEVATION.
- GIRDERS ARE DRAWN AND DIMENSIONS SHOWN AS IF THE TOP FLANGE OF GIRDERS WERE IN A TRULY HORIZONTAL POSITION. SHOP DRAWINGS SHALL INCLUDE ADJUSTMENTS AS NECESSARY TO ACCOUNT FOR VERTICAL CURVE AND DEAD LOAD DEFLECTIONS.
- ALL FILLET WELDS SHALL BE TERMINATED 3/8" +/- 1/8" FROM EDGES OF STIFFENERS AS PER AWS D1.5 SECT 9.15.
- DRIP PLATES SHALL BE PLACED ON THE OUTSIDE OF THE EXTERIOR GIRDERS ON EACH END OF BEAM.
- ALL COST OF DRIP PLATE, WELD, CAULK AND LABOR NEEDED FOR INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID PER LB. FOR "STRUCTURAL STEEL".

Design	STF	6/16	US 169 OVER OPOSSUM CREEK OVER FLOW NOWATA COUNTY BRIDGE B SUPERSTRUCTURE DETAILS (SHEET 3 OF 4)
Drawn	WZB	6/16	
Checked	DAS	6/16	
Approved	SAK	6/16	
Squad	BENHAM		

Job Piece No. 27092(04) Sheet No. 81