



SECTION X-X

SIDE ELEVATION  
ANCHOR RODS NOT SHOWN

SECTION Y-Y  
ENLARGED

ANCHOR ROD  
DETAIL

TABLE

ASSEMBLY TYPE	LOCATION	BEAM FLANGE WIDTH			SHAPE FACTOR	BEARING PAD SIZE			CURVED PLATE SIZE				SOLE PLATE SIZE			PINTLE DIA.	ASSY. HEIGHT L	ANCHOR ROD OFFSET +/- (4) M	RESTRAINT PATTERN (5)
		A	B	D		C	E	F	G	B	H	R (1)	WID.	LEN.	J (2)				

NOTES:

- PROVIDE ELASTOMERIC MATERIALS AND PAD CONSTRUCTION IN ACCORDANCE WITH SPEC. 3741.
- PROVIDE STEEL PLATES IN ACCORDANCE WITH SPEC. 3306 EXCEPT THE SOLE PLATE. PROVIDE SOLE PLATE WITH THE SAME MATERIAL SPECIFICATION AS THE STEEL BEAMS.
- PROVIDE ROUND BARS IN ACCORDANCE WITH SPEC. 3306 FOR USE AS ANCHOR RODS, GALVANIZE IN ACCORDANCE WITH SPEC. 3394.
- FOR SPANS UP TO 150 FEET, USE 1/2" DIAMETER ANCHOR RODS. ABOVE 150 FOOT SPANS, DESIGN ANCHOR RODS PER AASHTO DESIGN CRITERIA.
- PROVIDE PINTLES IN ACCORDANCE WITH SPEC. 3309.
- GALVANIZE STRUCTURAL STEEL BEARING ASSEMBLY AFTER FABRICATION IN ACCORDANCE WITH SPEC. 3394, EXCEPT AS NOTED.
- PAYMENT FOR BEARING ASSEMBLY INCLUDES ALL MATERIAL ON THIS DETAIL EXCEPT THE SOLE PLATE. THE SOLE PLATE IS INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.

- (1) 16" MIN. RADIUS UNLESS OTHERWISE SPECIFIED IN THE TABLE. THE MAX. RADIUS IS 24". FINISH TO 250 MICRO. THE FINISHED THICKNESS OF THE PLATE MAY BE 1/16" LESS THAN SHOWN.
- (2) WHEN THE SOLE PLATE IS TAPERED, DIMENSIONS "J" AND "L" ARE THICKNESS OF SOLE PLATE AND BEARING ASSEMBLY AT CENTERLINE OF BEARING.
- (3) DO NOT GALVANIZE THIS PLATE.
- (4) "+" DENOTES OFFSET AS SHOWN. "-" DENOTES OFFSET OPPOSITE OF SHOWN.
- (5) REFER TO BEARING PAD RESTRAINT B-DETAIL FOR ADDITIONAL INFORMATION AND DETAILS.

*DESIGNER NOTE (REMOVE PRIOR TO PRINTING FINAL PLAN):  
PER NOTE (5) INCLUDE B307 AND MODIFY AS NECESSARY.  
WHEN SPECIFYING OFFSET DIMENSION "M", CONSIDER THE SIZE AND PROXIMITY OF THE DIAPHRAGM AND LONGITUDINAL PIER REINFORCEMENT TO ALLOW ADEQUATE ROOM FOR INSTALLATION OF ANCHOR RODS.*

APPROVED: DECEMBER 21, 2022  
*Edward A. Sutaen*  
STATE BRIDGE ENGINEER

STATE OF MINNESOTA  
DEPARTMENT OF TRANSPORTATION  
**CURVED PLATE BEARING ASSEMBLY**  
(STEEL BEAMS)  
(FIXED)

REVISION

DETAIL NO.  
**B354**