

TABLE 2

Beam Flange Size	Bearing Pad Size		Steel Plates	Laminates	Shape Factor	Bearing Plate Size			Curved Plate Size			Sole Plate Size		Pintle Spacing	Pintle Dia.	Pintle Length	Width	Assy. Height	
	A	B				C	E	F	G	H	J	K	L						
9" to 10-1/2"	8"	14"	2	125	1	10"	24"	1"	4-1/2"	14"	16"	6"	1"	2-3/4"	1/4"	47/8"			
11-1/2" to 12"	8"	14"	2	125	1	10"	24"	1"	4-1/2"	14"	16"	6"	1"	2-3/4"	1/4"	47/8"			
15" to 16"																			

NOTES:
 For elastomeric materials and pad construction, see Spec. 3741 and special provisions, except as noted.
 All steel plates & anchor rods shall comply with Spec. 3306, except as noted.
 All plates shall be flat after fabrication and galvanizing. Welding distortion of the bearing plates shall be straightened to within 1/16" of flatness by mechanical means without damage to the zinc coating.
 Pintles shall comply with Spec. 3314, Type II
 Galvanize anchor rods and structural steel bearing assembly after fabrication per Spec. 3394, except as noted.
 Payment for bearing assembly shall include all material on this detail, except the sole plate.

APPROVED: **AUG. 4, 1987**
 DEVELOPED BY: ENGINEERING STANDARDS AND BRIDGES & STRUCTURES
 ISSUED BY: ENGINEERING STANDARDS

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

REVISION

DETAIL NO. **B354**

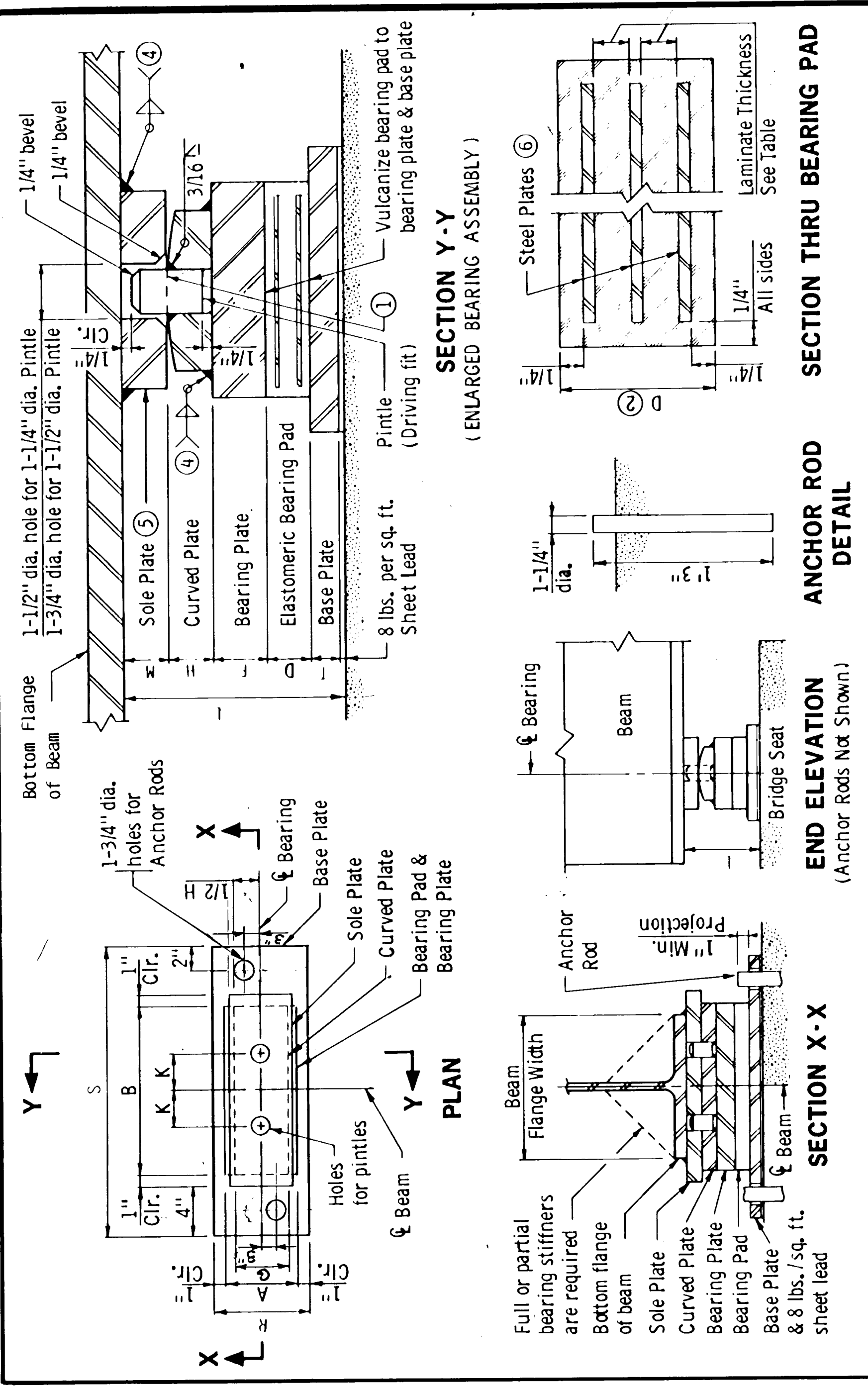


TABLE 3

Beam Flange Size	Bearing Pad Size		Steel Plates	Laminates	Shape Factor	Bearing Plate Size			Curved Plate Size			Sole Plate Size		Pintle Spacing	Pintle Dia.	Pintle Length	Width	Assy. Height	
	A	B				C	E	F	G	H	J	K	L						
9" to 10-1/2"	8"	14"	2	125	1	10"	24"	1"	4-1/2"	14"	16"	6"	1"	2-3/4"	1/4"	47/8"			
11-1/2" to 12"	8"	14"	2	125	1	10"	24"	1"	4-1/2"	14"	16"	6"	1"	2-3/4"	1/4"	47/8"			
15" to 16"																			

NOTES:
 1 The radius of the curved plate shall be 1' 0" min. & 1' 6" max. Finish to 250 Micro. The finished thickness of the plate may be 1/16" less than shown.
 2 The total thickness shown includes the steel plates.
 3 See Bridge Design Manual for design requirements.
 4 For sole plate or bearing plate thicknesses up to 1-1/2", use 5/16" fillet welds; for thicknesses over 1-1/2" to 2-1/4", use 5/8" fillet welds; for thicknesses over 2-1/4", use 1/2" fillet welds with minimum preheat of 300°. The sole plate may be tapered, only as shown on superstructure details. When the sole plate is tapered, dimension "H" is the minimum thickness of the plate.
 5 Do not galvanize these plates.
 Payment for bearing assembly shall include all material on this detail except the sole plate.
 The total thickness "D" includes the the steel plates required. Do not galvanize plates.

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STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION
CURVED PLATE BEARING ASSEMBLY
STEEL BEAMS @ ABUT.
(VULCANIZED EXPANSION)

REVISION

DETAIL NO. **B357**