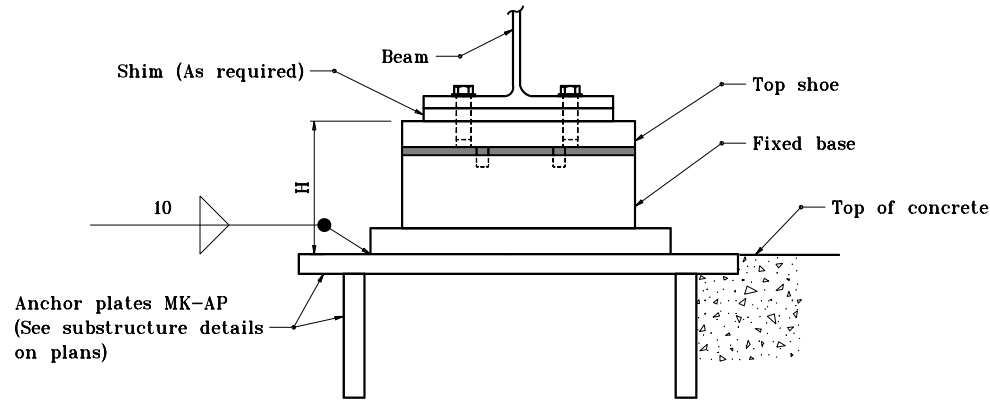


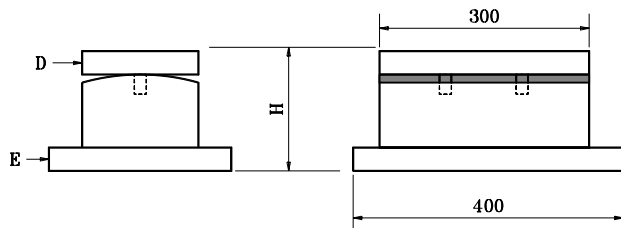
GENERAL NOTES

1. Curved surfaces of shoes to be machined after weldments have been completed.
2. The following substitutions of materials will be permitted.
 - a. ASTM A 709M Grade 345W steel may be used in lieu of A 709M Grade 250 steel.
 - b. ASTM A 709M Grade 690 steel may be used in lieu of A 709M Grade 345W or A 709M Grade 250 steels.
3. Maximum reactions are given in megagrams (Mg).



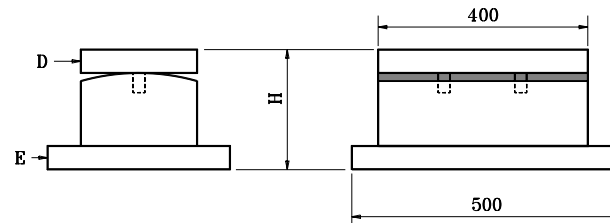
FIXED SHOE ASSEMBLY

Maximum horizontal thrust per fixed shoe = 2.2 megagrams



FIXED SHOE

Shoe Type	Maximum Reaction	Shoe Assembly		H
		D	E	
F-2	80	TS-2	FB-2	200
F-3	110	TS-3	FB-3	200



FIXED SHOE

Shoe Type	Maximum Reaction	Shoe Assembly		H
		D	E	
F-5	100	TS-5	FB-5	200
F-6	140	TS-6	FB-6	200

All dimensions are in mm unless otherwise specified.

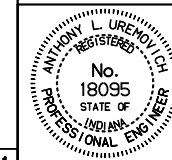
INDIANA DEPARTMENT OF TRANSPORTATION

STEEL SHOE

DETAILS

MAY 1997

STANDARD DRAWING NO. 711-BSTS-01



/s/ Anthony L. Uremovich 5-01-97
DESIGN STANDARDS ENGINEER DATE

/s/ Donald W. Lucas 5-01-97
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: SH-1

DESIGN STANDARDS ENGINEER