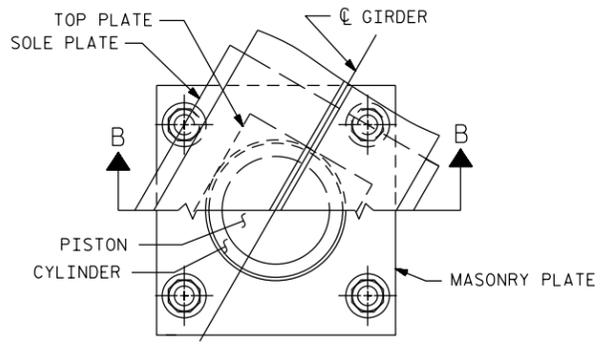
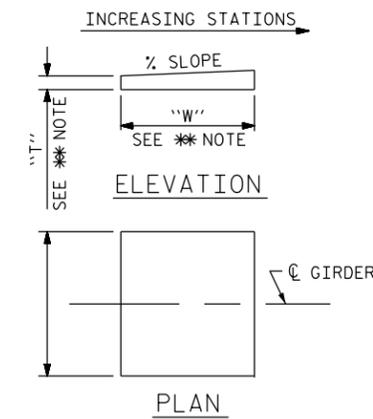


CUT-AWAY PLAN



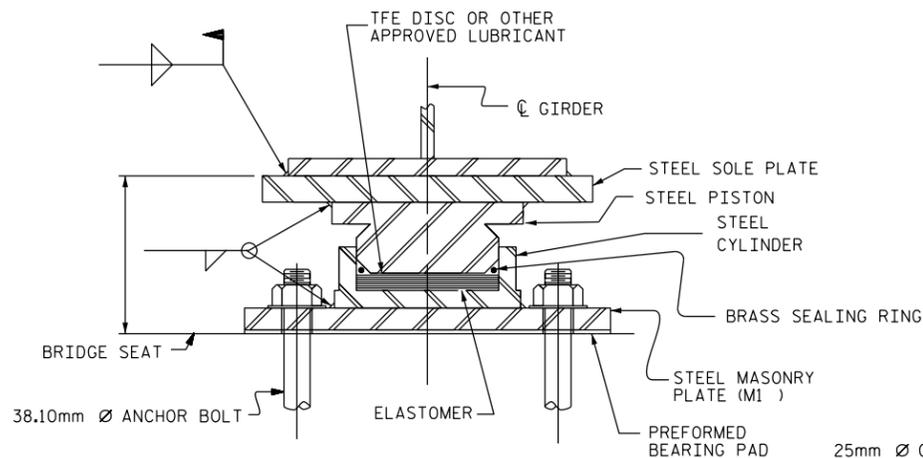
CUT-AWAY PLAN



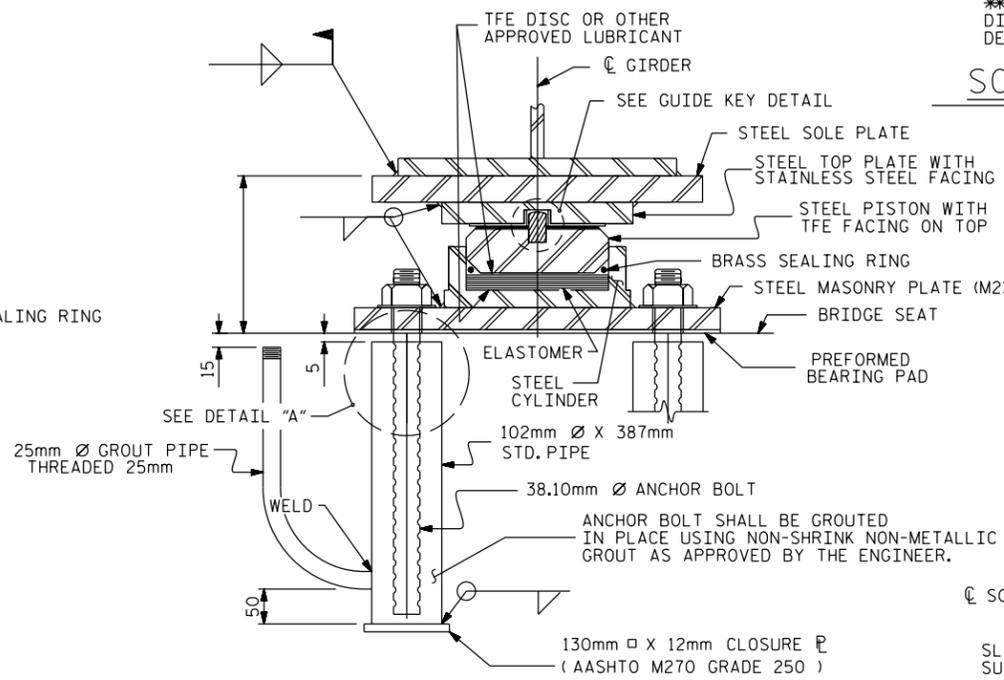
PLAN

** NOTE: DIMENSIONS "W" AND "T" ARE TO BE DETERMINED BY THE MANUFACTURER.

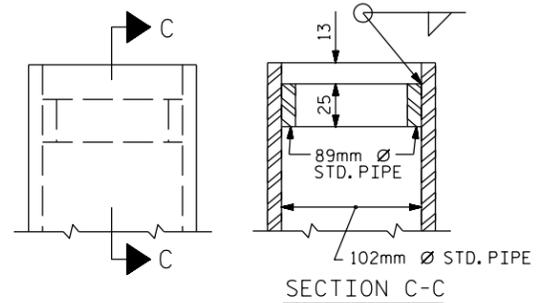
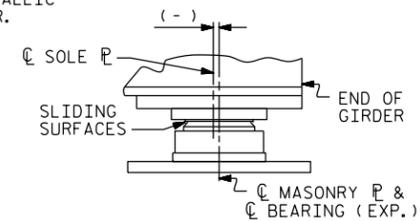
SOLE PLATE DETAILS



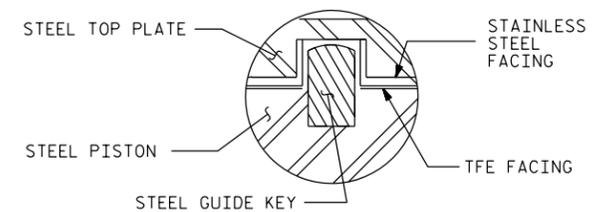
SECTION A-A
PB1, FIXED
(_ REQ'D.)



SECTION B-B
PB2, EXP.
(_ REQ'D.)

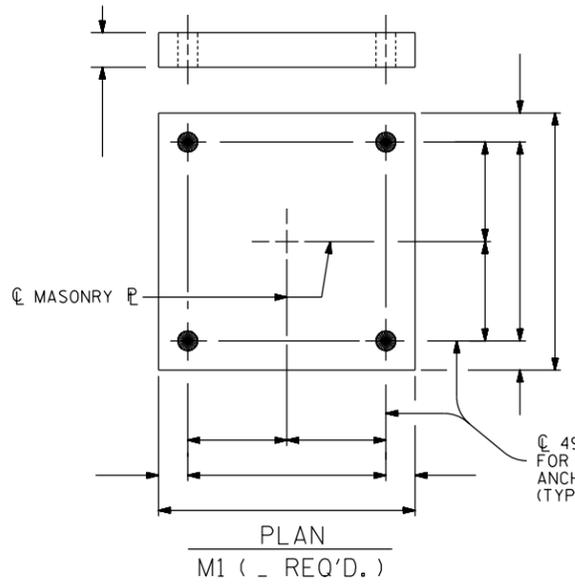


SECTION C-C

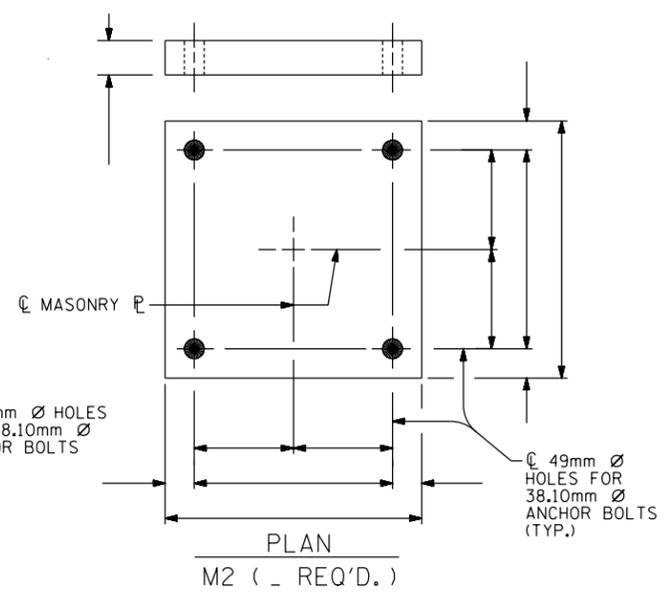


GUIDE KEY DETAIL

POT BEARING DETAILS



PLAN
M1 (_ REQ'D.)



PLAN
M2 (_ REQ'D.)

MASONRY PLATE DETAILS

TABLE FOR LOADS AND MOVEMENT

BEARING	LOCATION	UNFACTORED VERTICAL LOAD (kN)			FACTORED LATERAL LOAD (kN)	TOTAL MOVEMENT (mm)
		DEAD	LIVE	TOTAL		
		DC	DW	LL+IM		
PB1 (FIXED)						
PB2 (EXP.)						

TABLE FOR PLATE SETTING DATA (EXPANSION POT BEARINGS)

TEMPERATURE AT TIME OF SETTING	7° C	16° C	32° C	*

*CORRECTION FOR END ROTATION DUE TO WEIGHT OF SLAB AND COMPOSITE DEAD LOAD.

TEMPERATURE SETTING DETAIL

NOTES

FOR POT BEARINGS, SEE SPECIAL PROVISIONS.

AT ALL POINTS OF SUPPORT IN SPANS, NUTS FOR ANCHOR BOLTS SHALL BE TIGHTENED FINGER TIGHT AND GIVEN AN ADDITIONAL 1/4 TURN. THE THREAD OF THE NUT AND BOLT SHALL THEN BE BURRED WITH A SHARP POINTED TOOL.

WHEN WELDING THE SOLE PLATE TO THE GIRDER, USE TEMPERATURE INDICATING WAX PENS, OR OTHER SUITABLE MEANS, TO ENSURE THAT THE TEMPERATURE OF THE BEARING DOES NOT EXCEED 121°C. TEMPERATURES ABOVE THIS MAY DAMAGE THE TFE OR ELASTOMER.

AFTER BEARING ASSEMBLY IS IN PLACE AND ANCHOR BOLTS HAVE BEEN FINALLY POSITIONED, THEY SHALL BE GROUTED IN PLACE AS SHOWN.

THE CLOSURE PLATE, GROUT PIPE AND STANDARD PIPE FOR THIS ASSEMBLY NEED NOT BE GALVANIZED.

SOLE PLATES SHOULD BE WELDED TO BEAM FLANGES AND ANCHOR BOLTS SHOULD BE GROUTED BEFORE FALSEWORK IS PLACED.

ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.

FOR THERMAL SPRAYED COATINGS (METALLIZATION), SEE SPECIAL PROVISIONS.

THE CONTRACTOR MAY SUBSTITUTE DISC BEARINGS FOR THE POT BEARINGS SHOWN. FOR OPTIONAL DISC BEARINGS, SEE SPECIAL PROVISIONS.

PROJECT NO. _____
 _____ COUNTY
 STATION: _____

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD
 POT BEARING
 DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			

ASSEMBLED BY : _____ DATE : _____
 CHECKED BY : _____ DATE : _____
 DRAWN BY : RWW 8/99 REV. 7/10/01 LES/RWW
 CHECKED BY : LES 8/99 REV. 5/7/03 RWW/JTE
 REV. 5/1/06R TLA/GM