

**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 250°F 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.

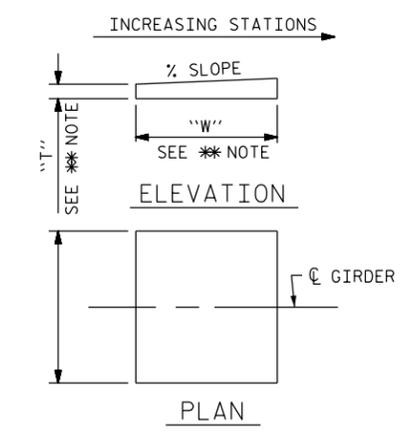
THE CLOSURE PLATE, GROUT PIPE AND STANDARD PIPE FOR THIS ASSEMBLY NEED NOT BE GALVANIZED.

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

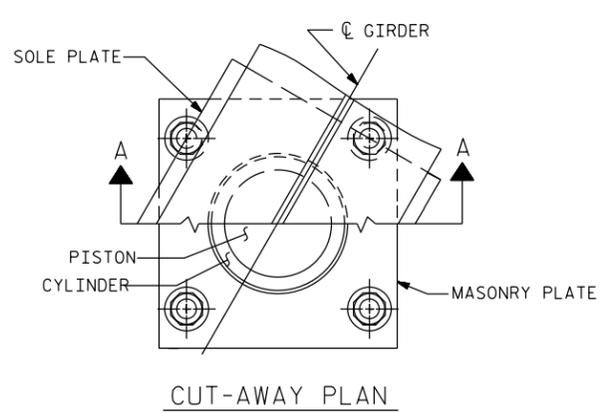
ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.

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

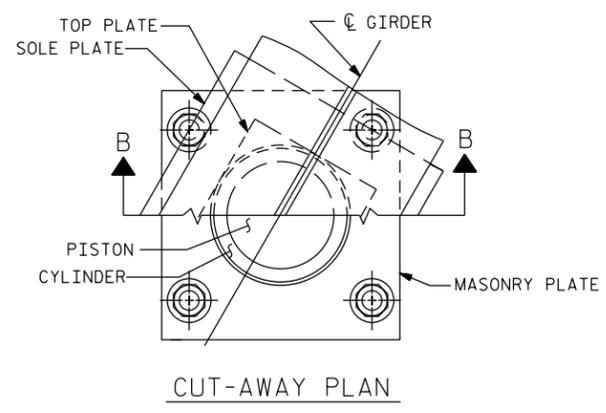
THE CONTRACTOR MAY SUBSTITUTE DISC BEARINGS FOR THE POT BEARINGS SHOWN. FOR OPTIONAL DISC BEARINGS, SEE SPECIAL PROVISIONS.



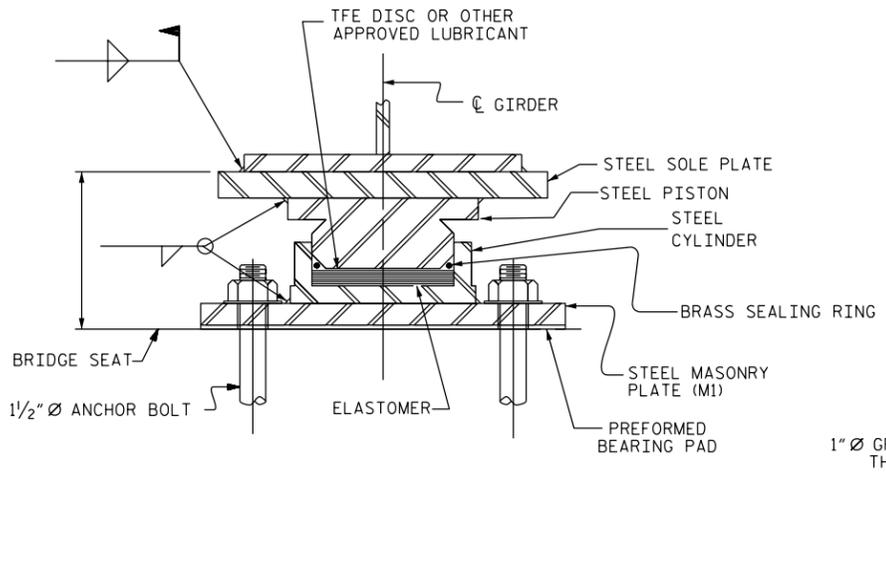
**SOLE PLATE DETAILS**



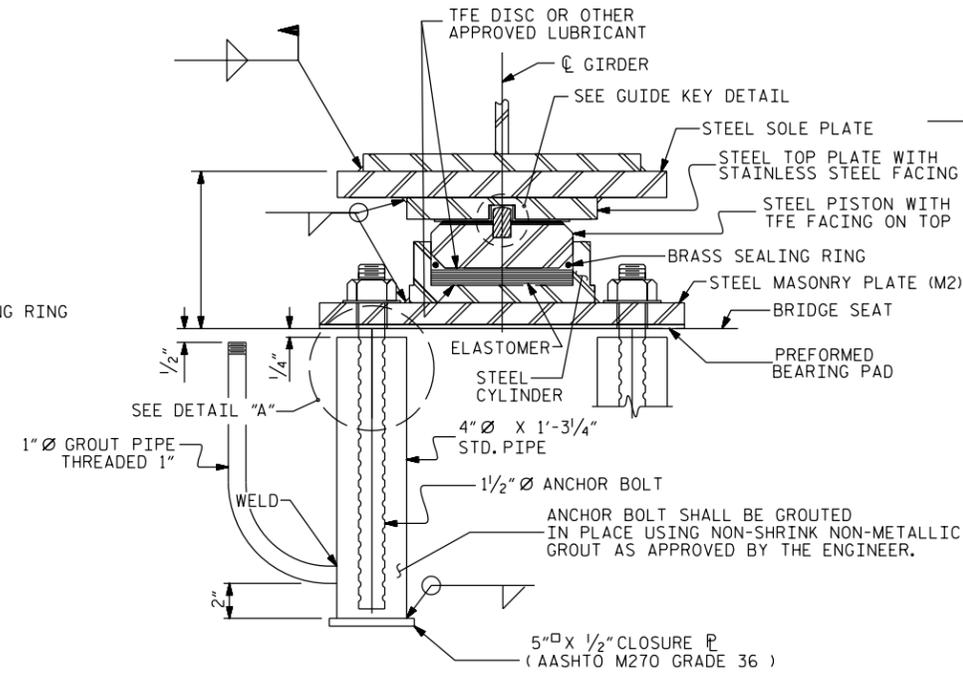
**CUT-AWAY PLAN**



**CUT-AWAY PLAN**

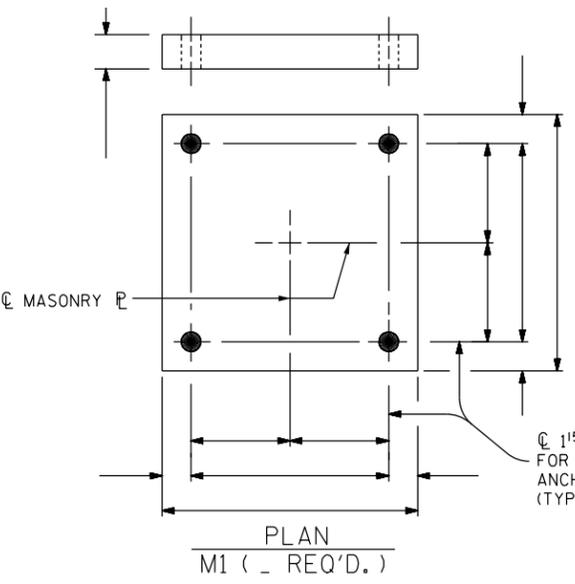


**SECTION A-A**  
PB1, FIXED  
( - REQ'D. )

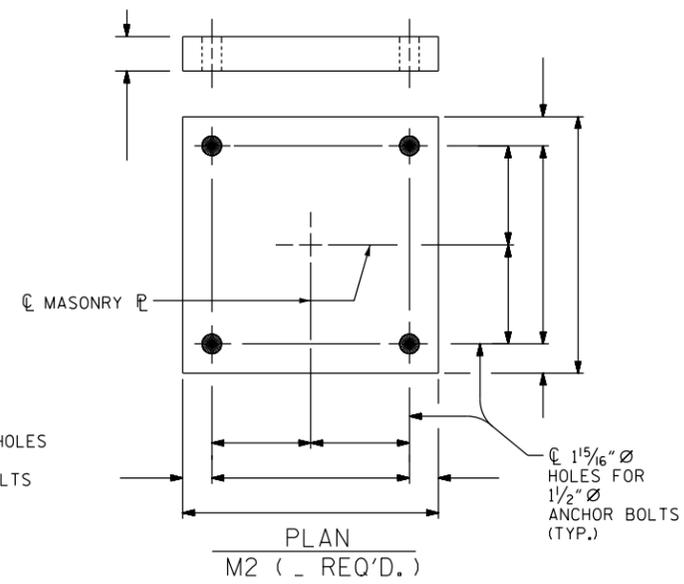


**SECTION B-B**  
PB2, EXP.  
( - REQ'D. )

**POT BEARING DETAILS**



**PLAN**  
M1 ( - REQ'D. )



**PLAN**  
M2 ( - REQ'D. )

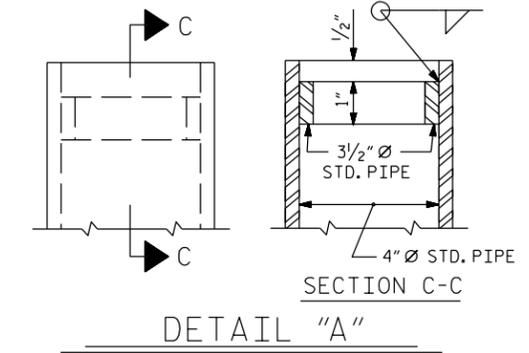
**MASONRY PLATE DETAILS**

TABLE FOR LOADS AND MOVEMENT							
BEARING	LOCATION	UNFACTORED VERTICAL LOAD (KIPS)			FACTORED TOTAL	FACTORED LATERAL LOAD (KIPS)	TOTAL MOVEMENT (INCHES)
		DEAD	LIVE	TOTAL			
		DC	DW	LL+IM			
PB1 (FIXED)							
PB2 (EXP.)							

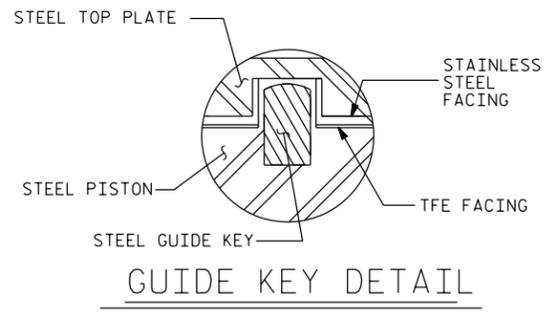
TABLE FOR PLATE SETTING DATA (EXPANSION POT BEARINGS)				
TEMPERATURE AT TIME OF SETTING	45° F	60° F	90° F	*

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

**TEMPERATURE SETTING DETAIL**



**DETAIL "A"**



**GUIDE KEY DETAIL**

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/RDR
CHECKED BY : LES 8/99	REV. 5/7/03 RWW/JTE
	REV. 5/1/06R TLA/GM