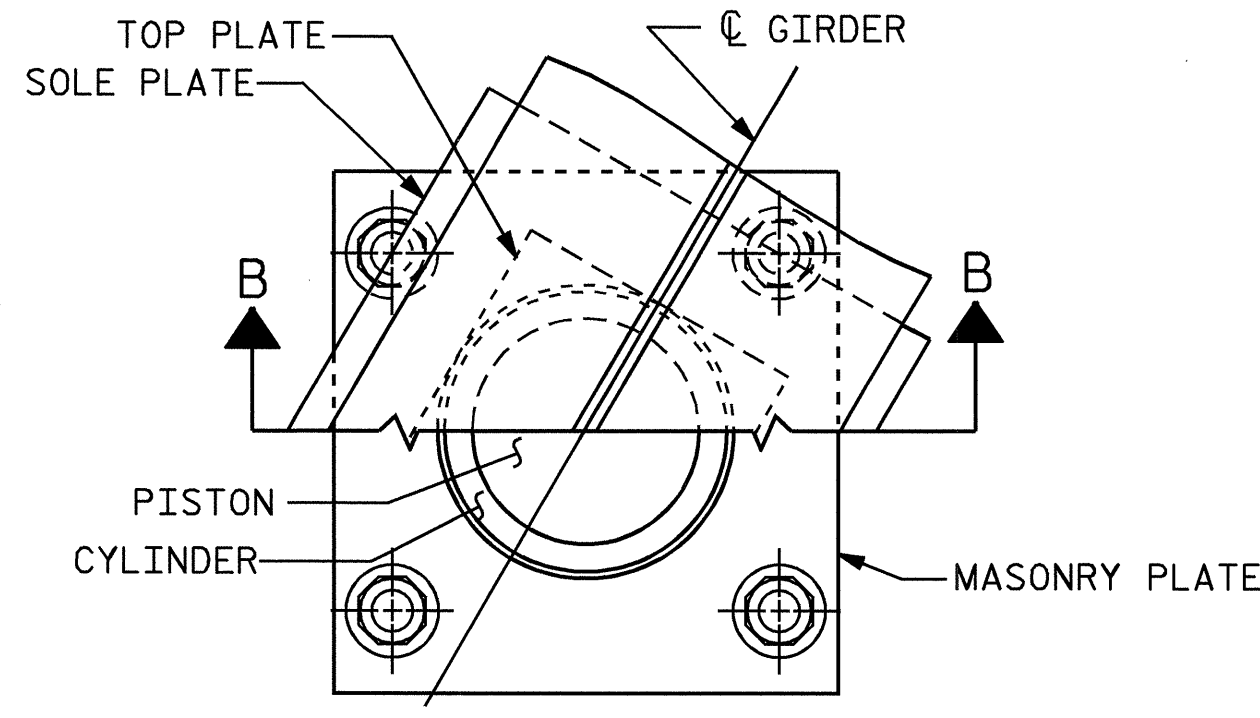
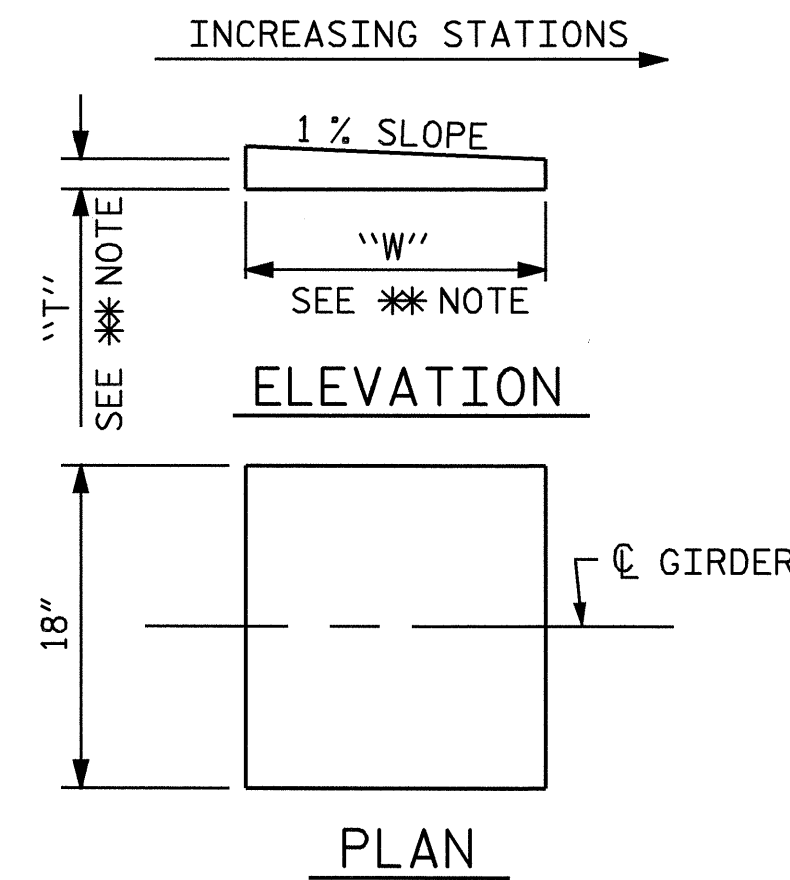


CUT-AWAY PLAN

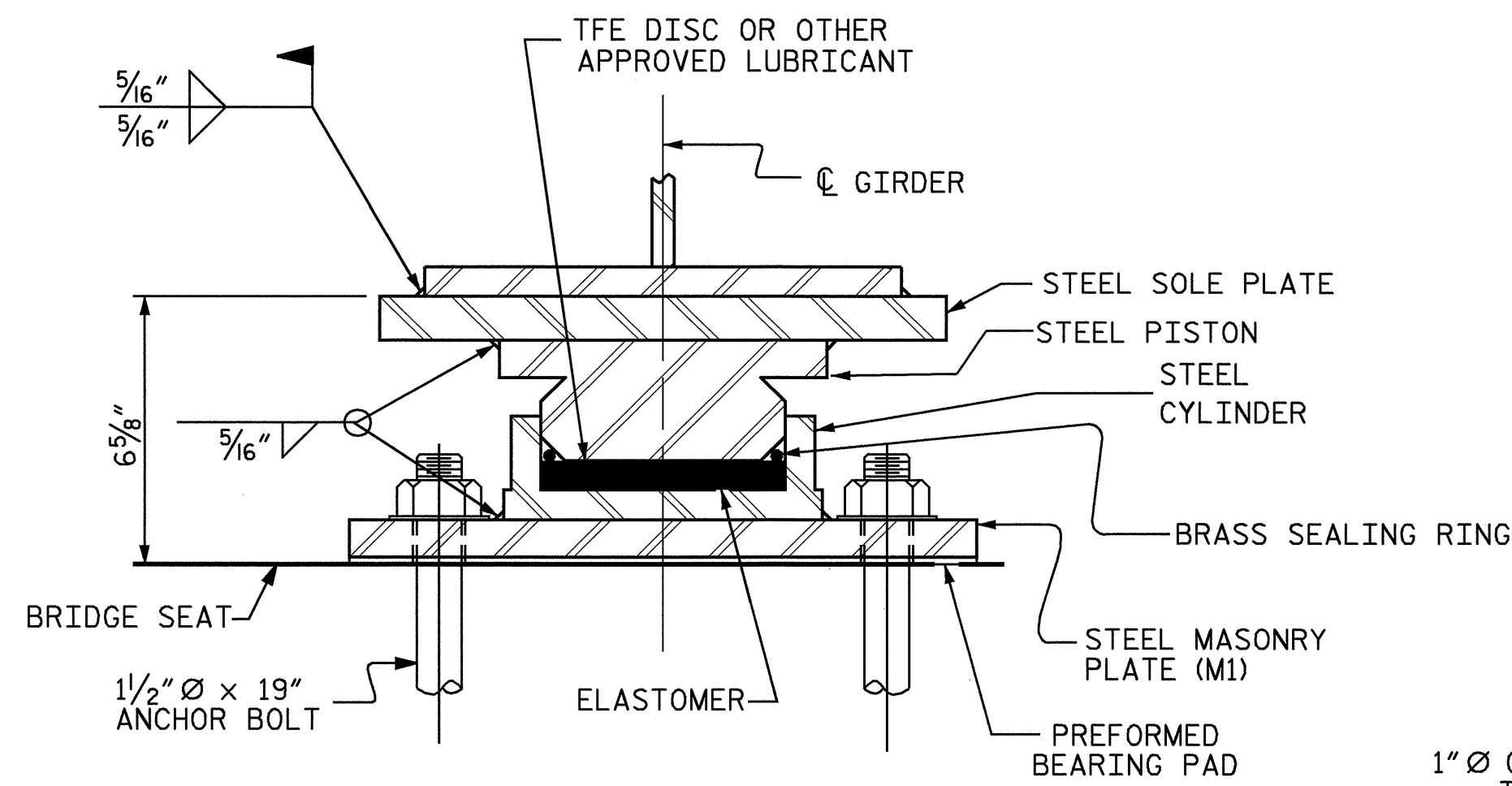


CUT-AWAY PLAN

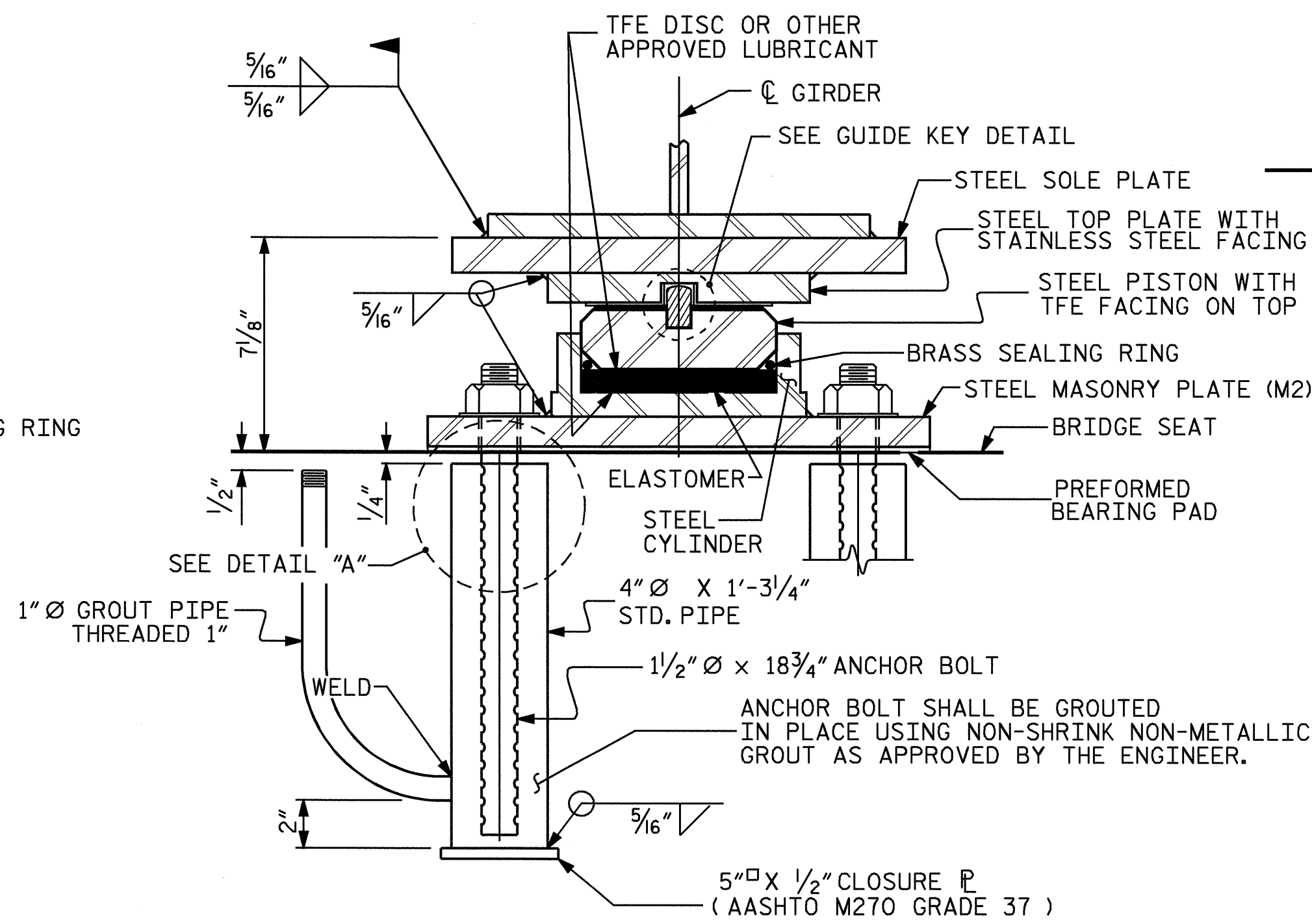


SOLE PLATE DETAILS

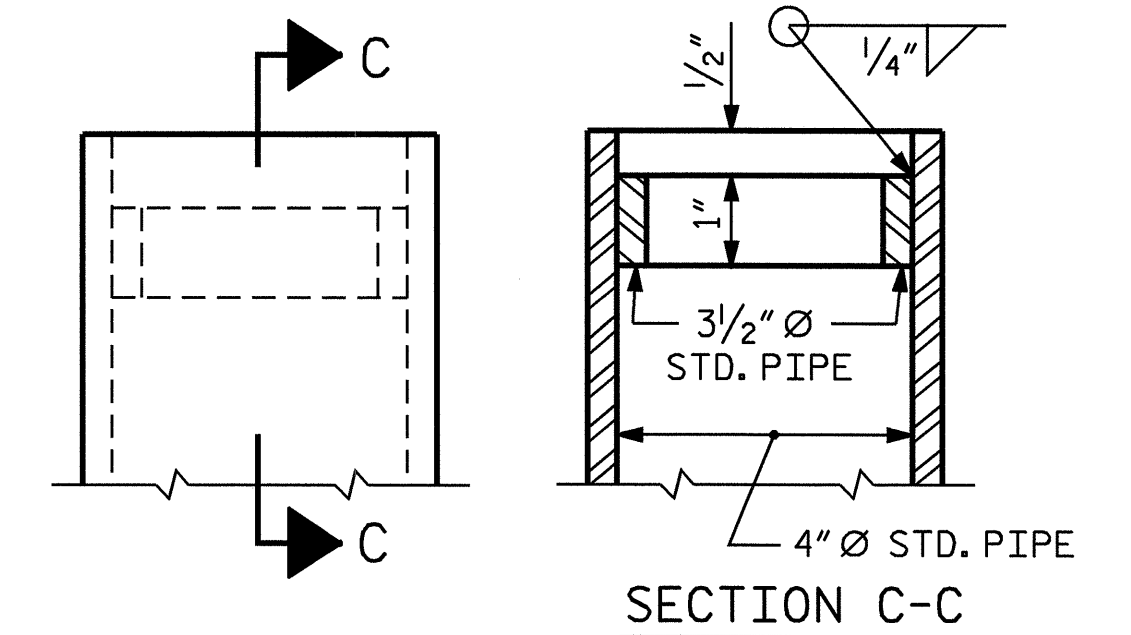
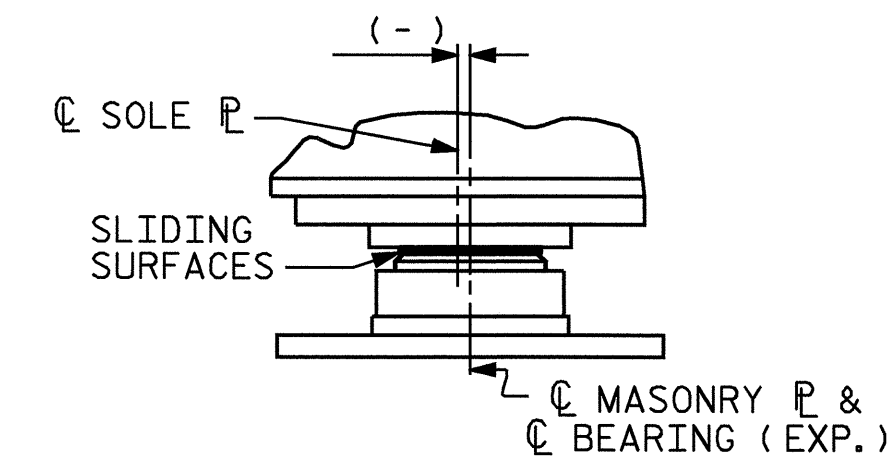
** NOTE: DIMENSIONS "W" AND "T" ARE TO BE DETERMINED BY THE MANUFACTURER.



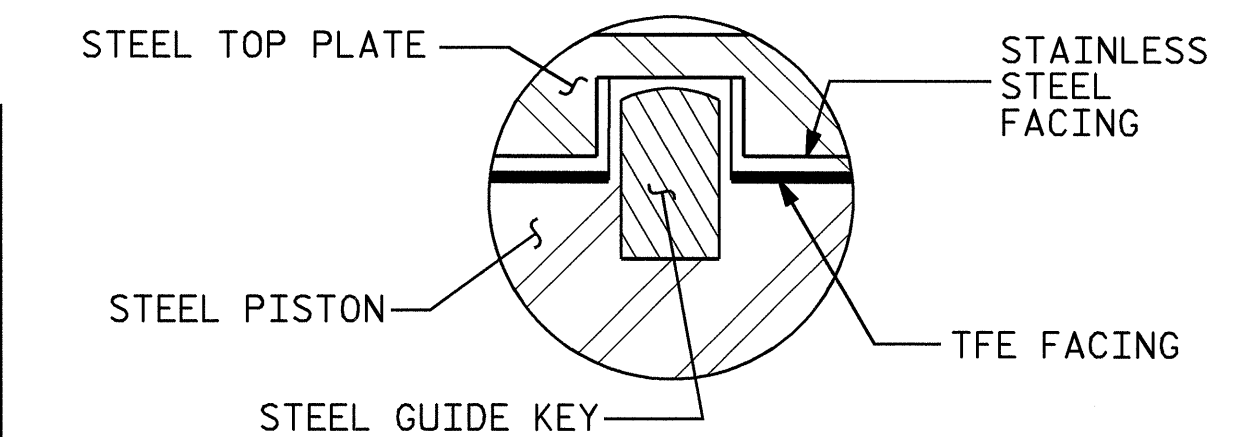
SECTION A-A
PB1, FIXED
(4 REQ'D.)



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



DETAIL "A"



GUIDE KEY DETAIL

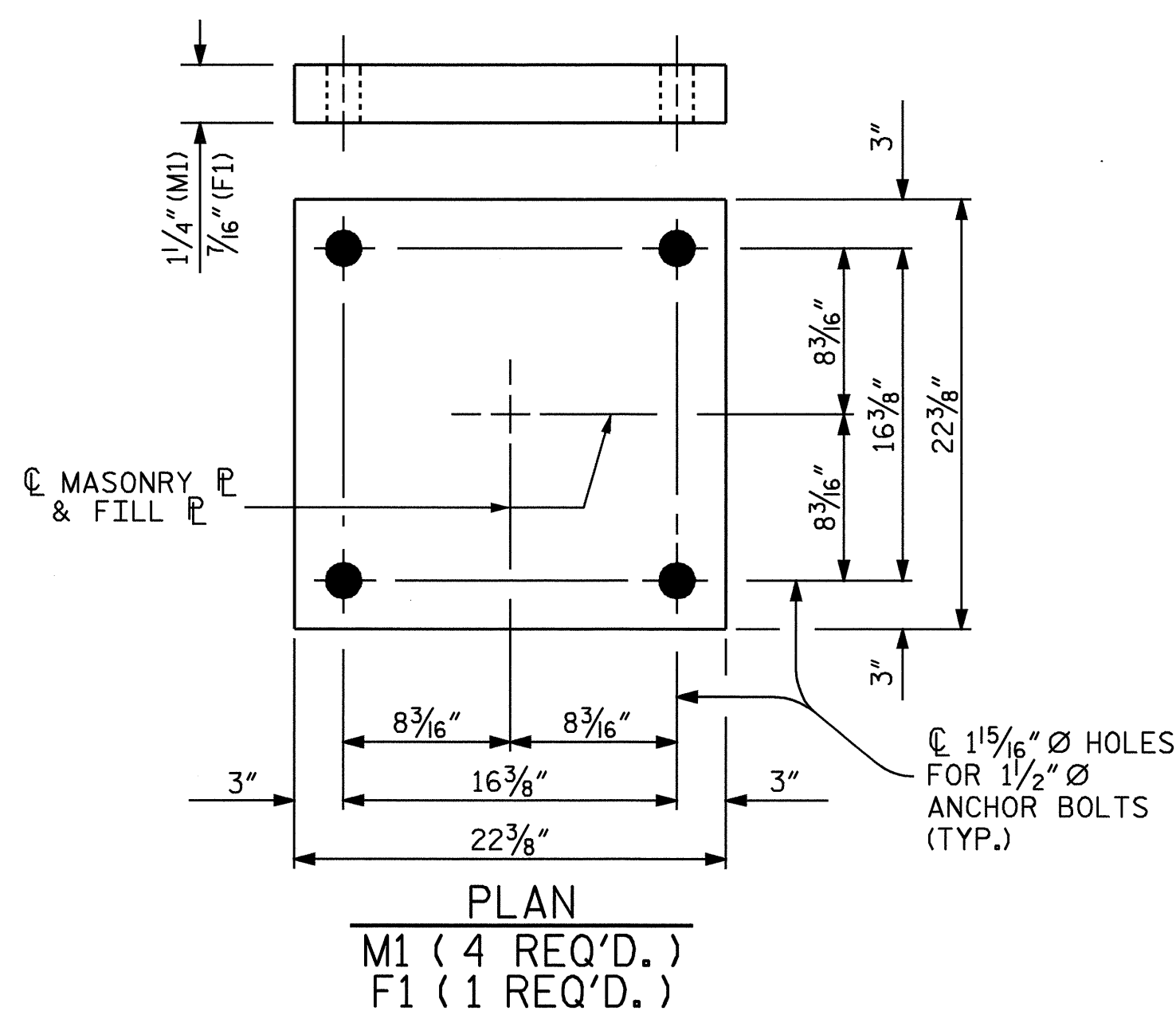
POT BEARING DETAILS

TABLE FOR PLATE SETTING DATA (EXPANSION POT BEARINGS)				
TEMPERATURE AT TIME OF SETTING	30° F	60° F	90° F	*
BENT #1	5/16"	0	5/16"	9/16"

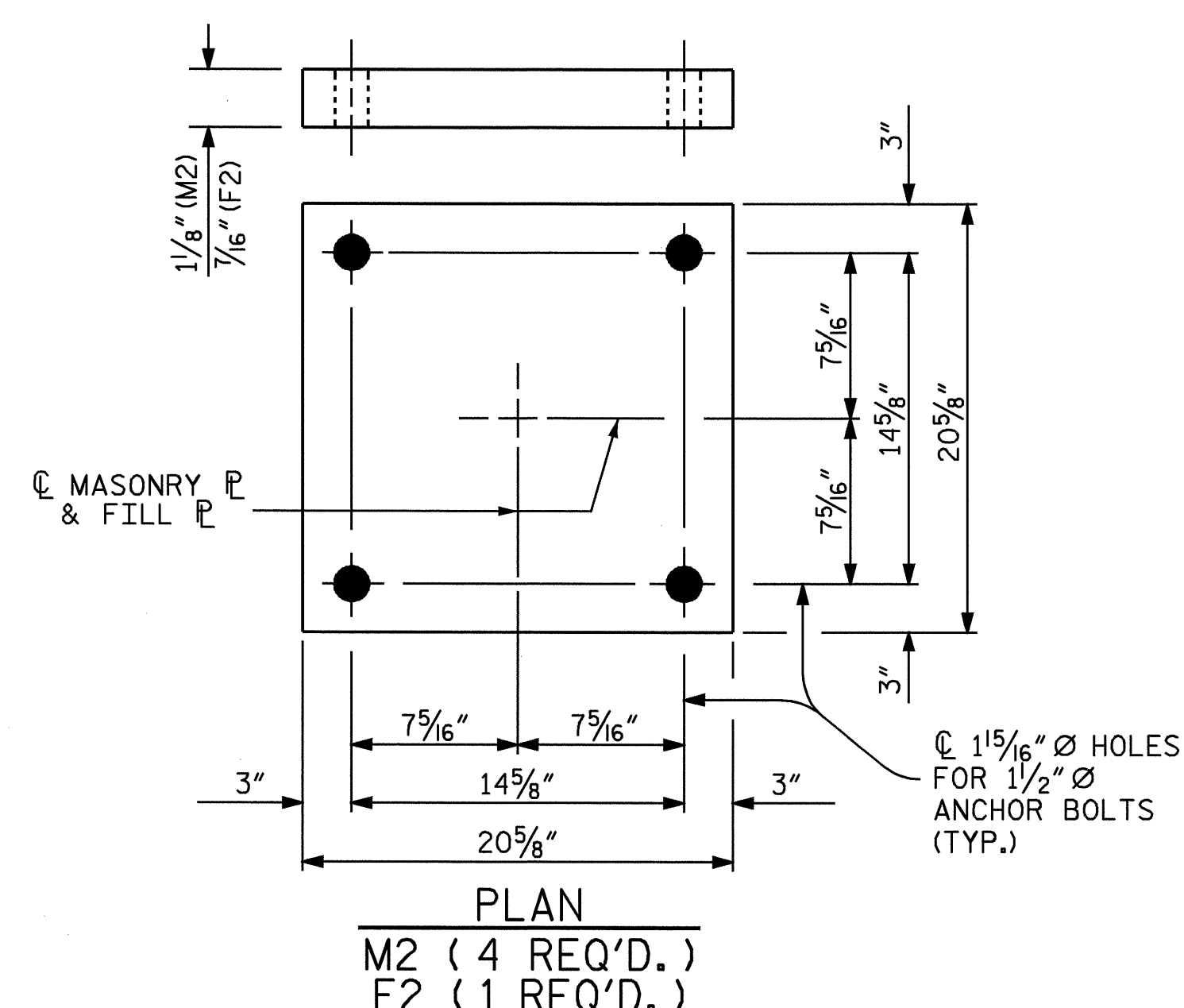
* CORRECTION FOR END ROTATION DUE TO WEIGHT OF SLAB AND COMPOSITE DEAD LOAD.

TEMPERATURE SETTING DETAIL

TABLE FOR LOADS AND MOVEMENTS						
BEARING	LOCATION	VERTICAL LOAD (KIPS)			LATERAL LOAD (KIPS)	TOTAL MOVEMENT (INCHES)
		DEAD	LIVE	TOTAL		
PB1 (FIXED)	BENT #2	285	140	425	57	—
PB2 (EXP.)	BENT #1	260	135	395	52	1 5/16"



PLAN
M1 (4 REQ'D.)
F1 (1 REQ'D.)



PLAN
M2 (4 REQ'D.)
F2 (1 REQ'D.)

MASONRY PLATE & FILL PLATE DETAILS

NOTES

FOR POT BEARINGS, SEE SPECIAL PROVISIONS.

AT ALL POINTS OF SUPPORT, NUTS FOR ANCHOR BOLTS SHALL BE TIGHTENED 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.

SOLE PLATES SHOULD BE WELDED TO GIRDER 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.

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.

A 3/16" FILL PLATE WILL BE REQUIRED WITH POT BEARING PB1 ON GIRDER 2 AT BENT 2 AND POT BEARING PB2 ON GIRDER 2 AT BENT 1. THE FILL PLATE SHALL HAVE THE SAME PLAN DIMENSIONS AS THE MASONRY PLATE. THE FILL PLATE SHALL BE USED BETWEEN THE MASONRY PLATE AND THE 3/16" PREFORMED BEARING PAD. THE CONTRACTOR HAS THE OPTION TO COMBINE THE FILL PLATE WITH THE MASONRY PLATE.

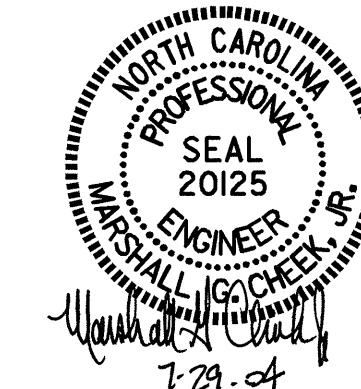
PROJECT NO. B-4010
ASHE COUNTY
STATION: 20+93.60-L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
POT BEARING
DETAILS

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

TOTAL SHEETS: 37



ASSEMBLED BY: L.L. MURPHY DATE: 04-04
CHECKED BY: D. HODGE DATE: 05-04
DRAWN BY: RWW 8/99 REV. 10/17/00 RWW/LES
CHECKED BY: LES 8/99 REV. 7/10/01 LES/RDR
REV. 5/7/03 RWW/JTE