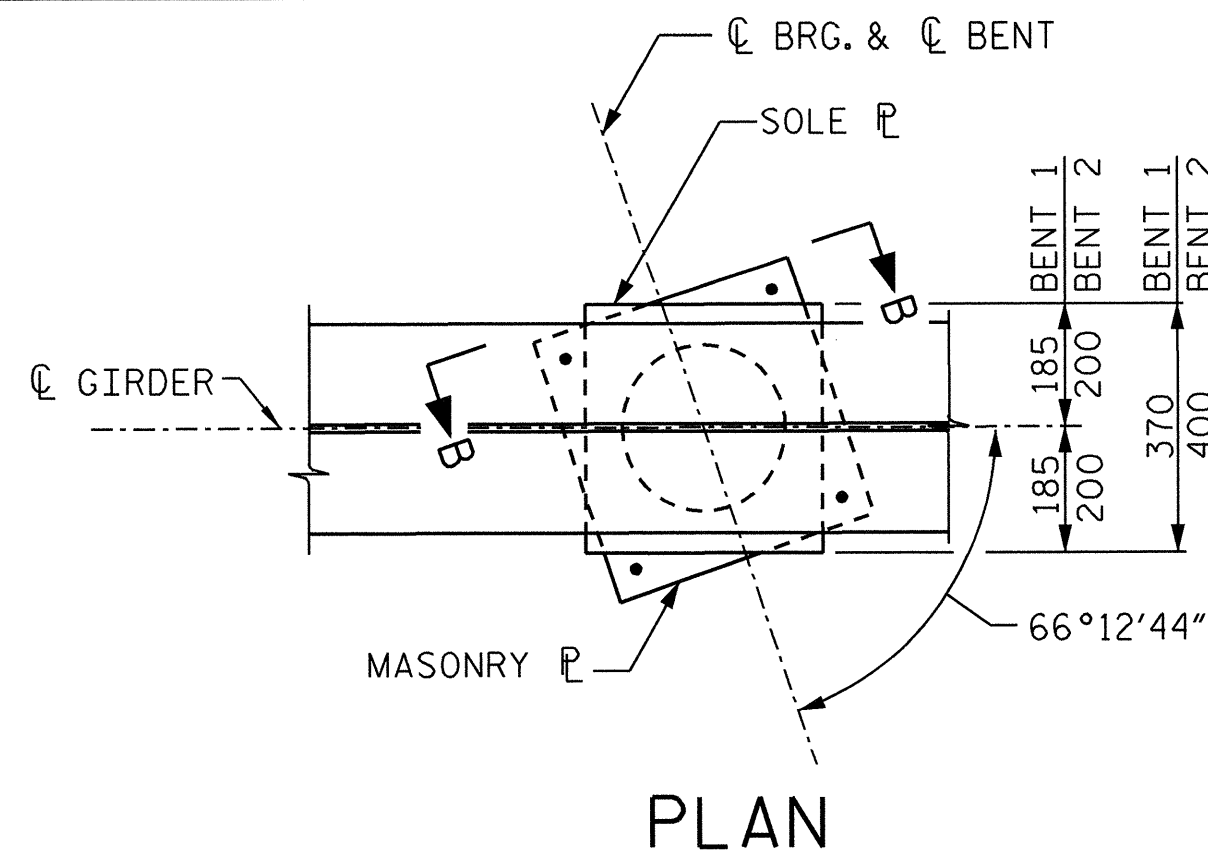
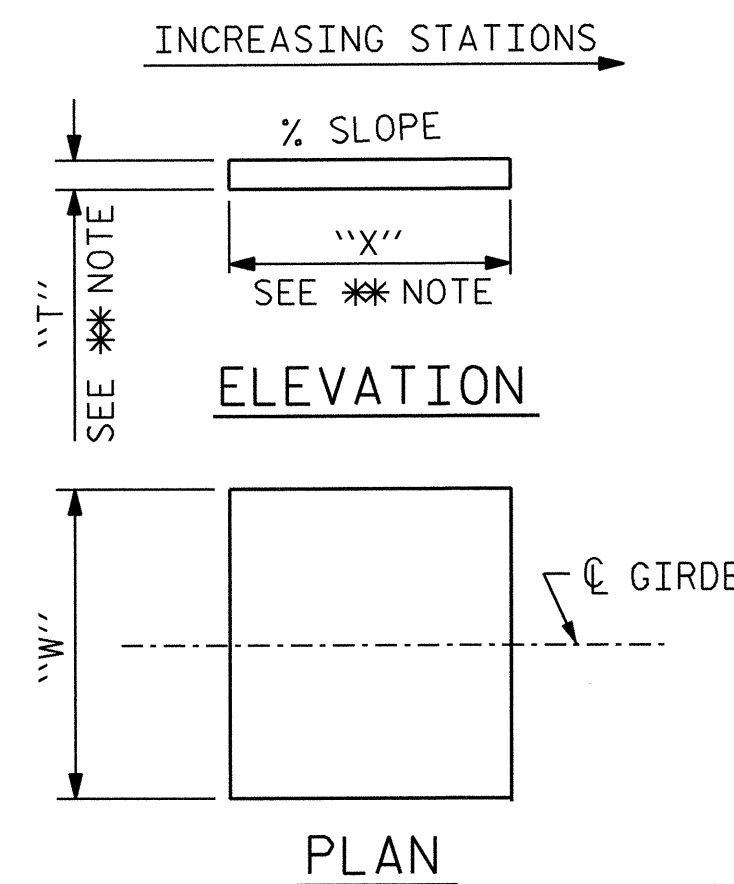


PLAN

(END BENT 1 SHOWN, END BENT 2 SIMILAR)



PLAN



ELEVATION

PLAN

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

SOLE PLATE DETAILS

TABLE OF VARIABLES		
LOCATION	"W"	% SLOPE
END BENT 1	370	0
BENT 1	370	0
BENT 2	400	0
END BENT 2	400	0

NOTES

FOR POT BEARINGS, SEE SPECIAL PROVISIONS.

AT ALL POINTS OF SUPPORT IN ALL 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.

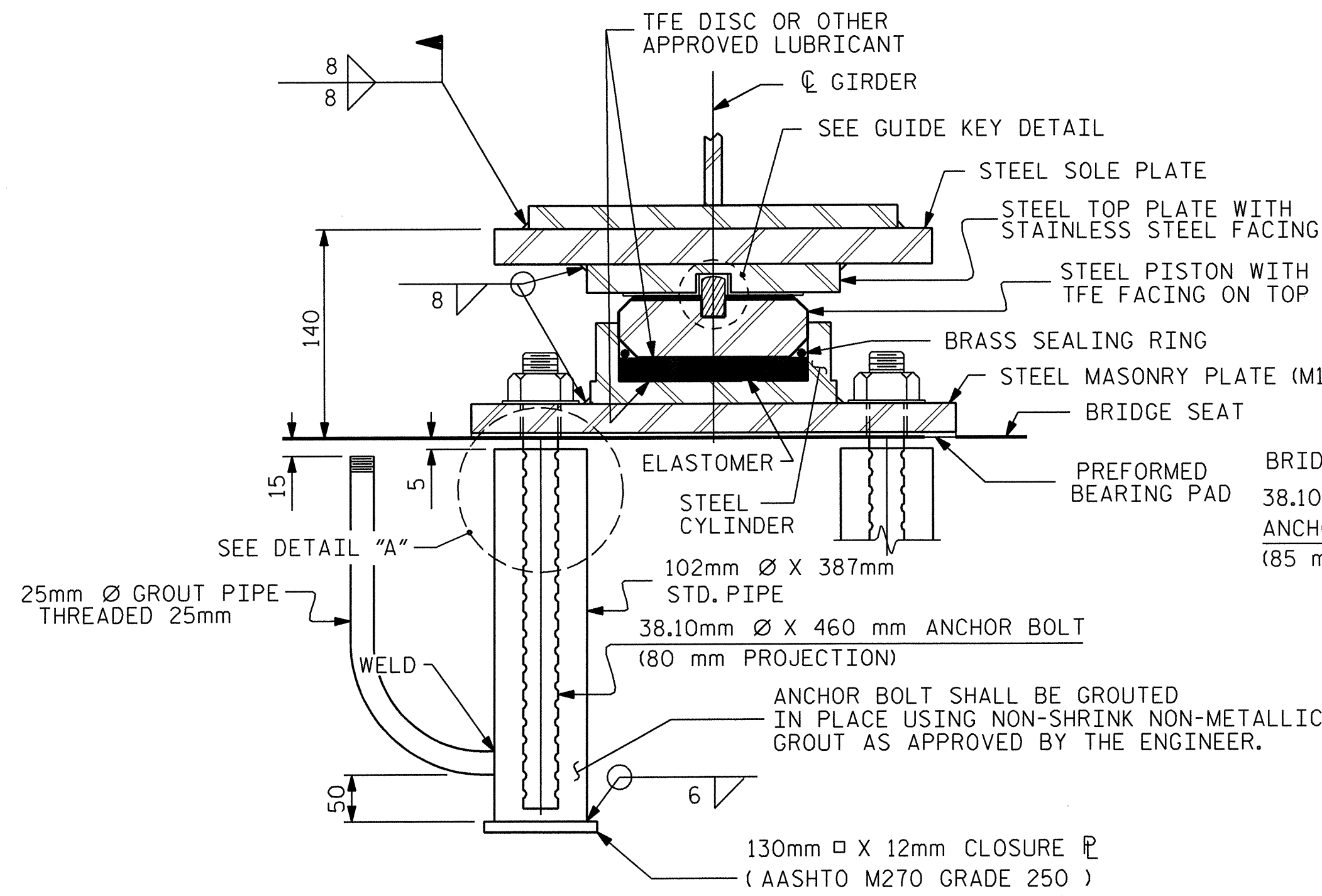
THE CLOSURE PLATE, GROUT PIPE AND STANDARD PIPE FOR THIS ASSEMBLY NEED NOT BE GALVANIZED.

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.

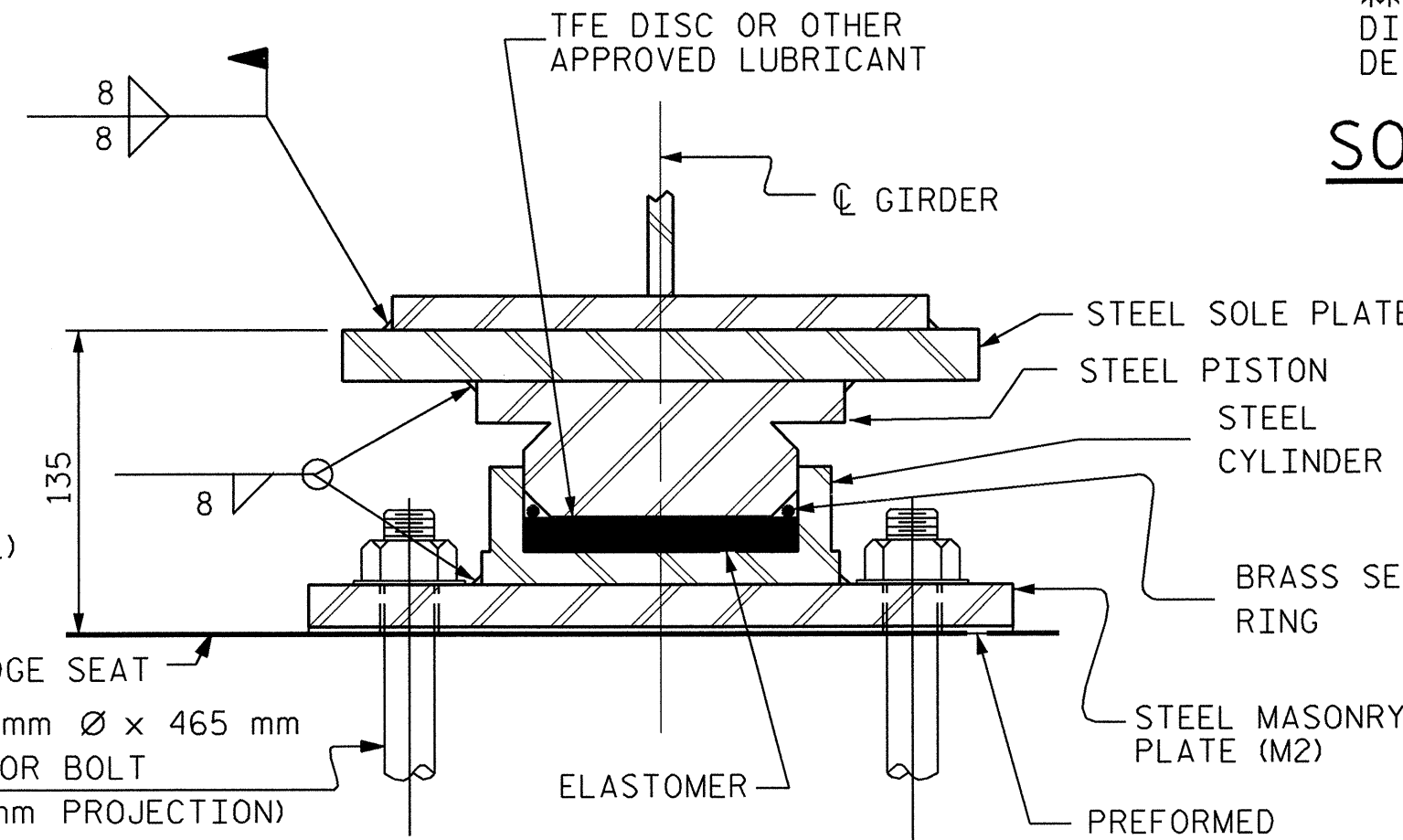
THE CONTRACTOR MAY SUBSTITUTE DISC BEARINGS FOR THE POT BEARINGS SHOWN. FOR OPTIONAL DISC BEARINGS, SEE SPECIAL PROVISIONS.



SECTION A-A

EXPANSION BEARINGS @ END BENTS 1 & 2 (EB-1)

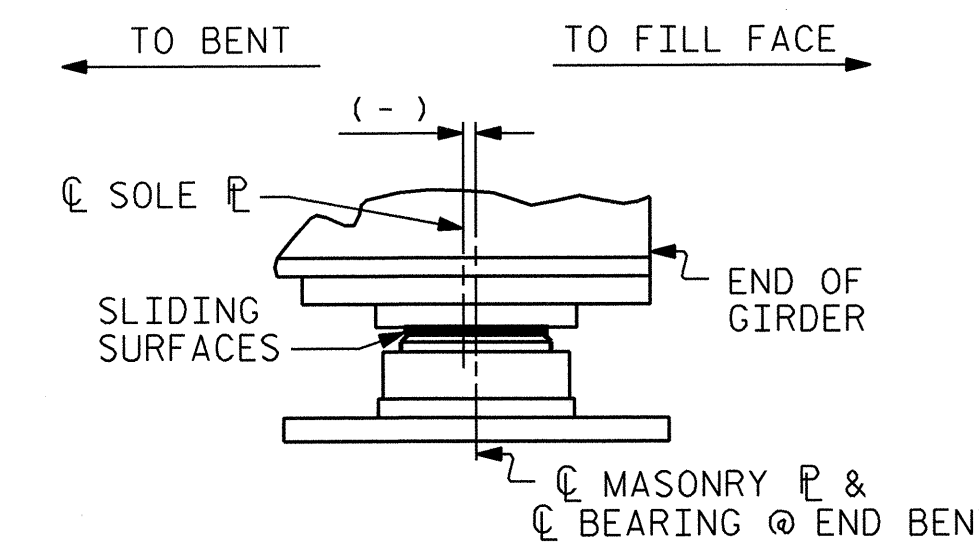
(8 REQ'D.)



SECTION B-B

FIXED BEARINGS @ BENTS 1 & 2 (FB-1)

(8 REQ'D.)

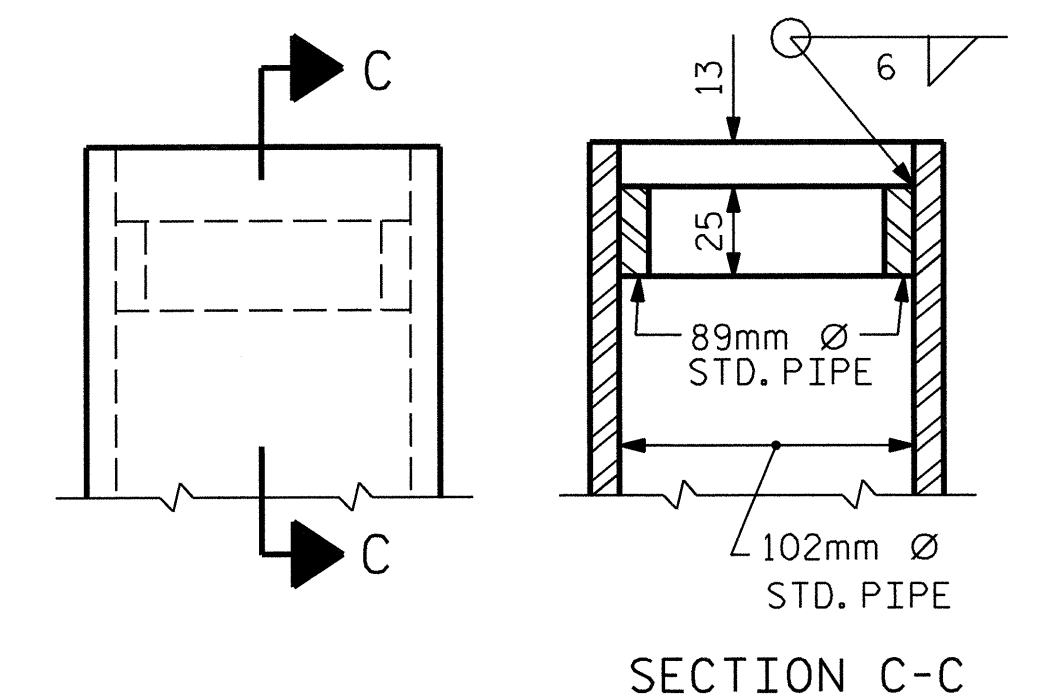


TEMPERATURE SETTING DETAIL

TABLE FOR PLATE SETTING DATA					(EXPANSION POT BEARINGS)	
TEMPERATURE AT TIME OF SETTING	0° C		16° C		32° C	
	*					
END BENT 1	-10	0	10	10	10	10
END BENT 2	-10	0	10	10	11	11

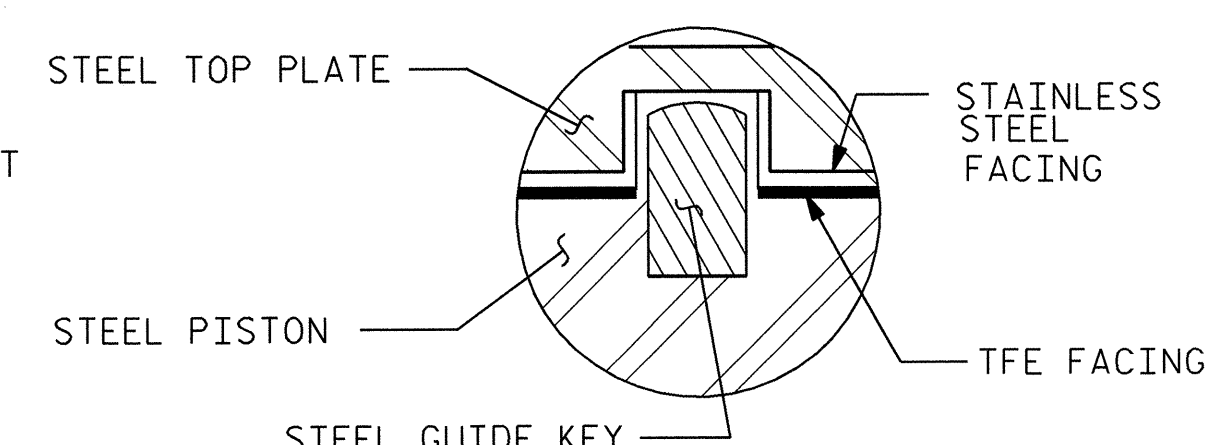
*CORRECTION FOR END ROTATION DUE TO WEIGHT OF SLAB AND COMPOSITE DEAD LOAD.

TABLE FOR LOADS AND MOVEMENTS						
BEARING	LOCATION	VERTICAL LOAD (KN)			LATERAL LOAD (KN)	TOTAL MOVEMENT (mm)
		DEAD	LIVE	TOTAL		
EB-1	END BENT 1	369	239	608	74	44
FB-1	BENT 1	818	362	1,180	164	0
FB-1	BENT 2	884	373	1,257	177	0
EB-1	END BENT 2	390	240	630	78	46



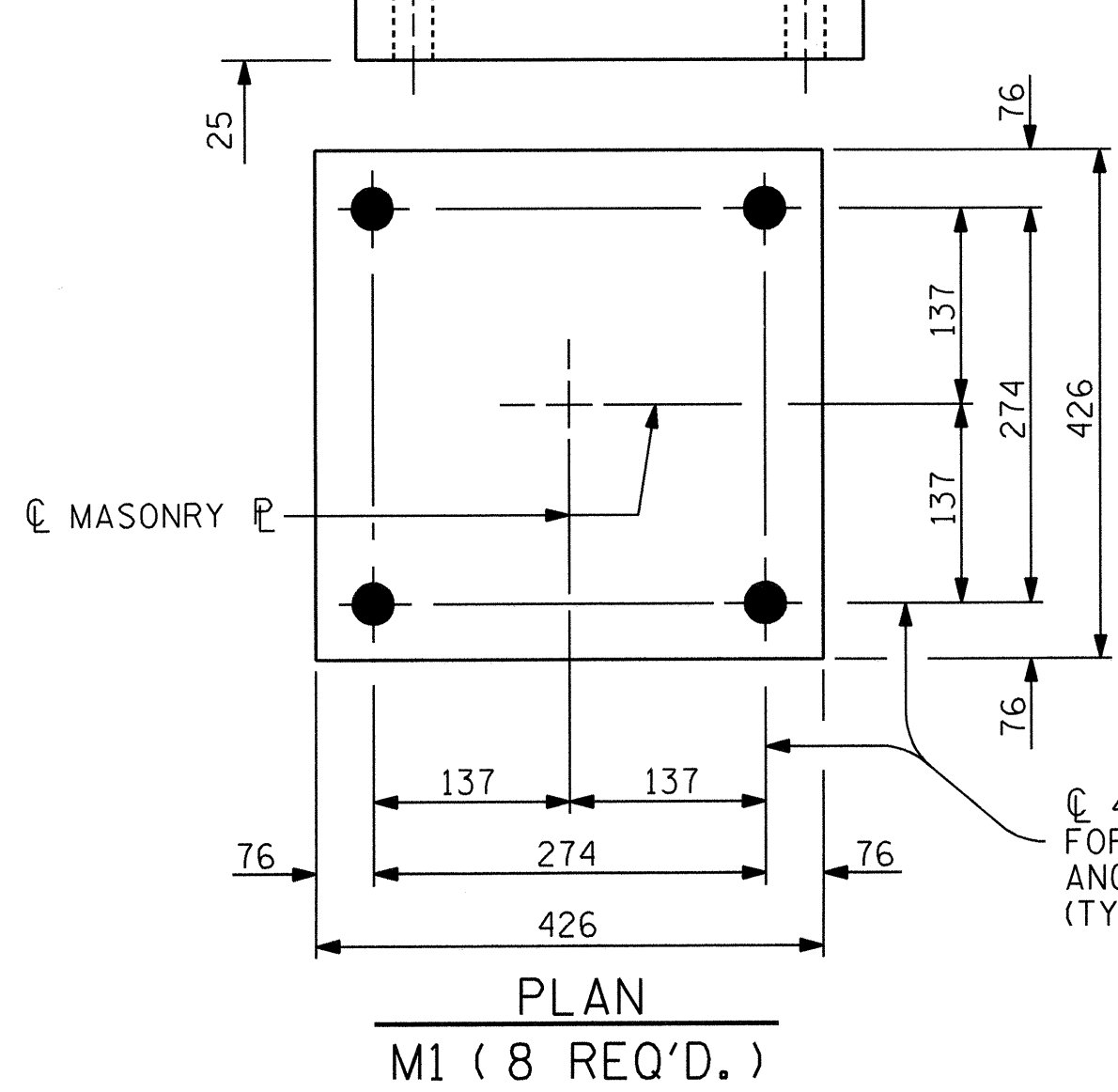
SECTION C-C

DETAIL "A"

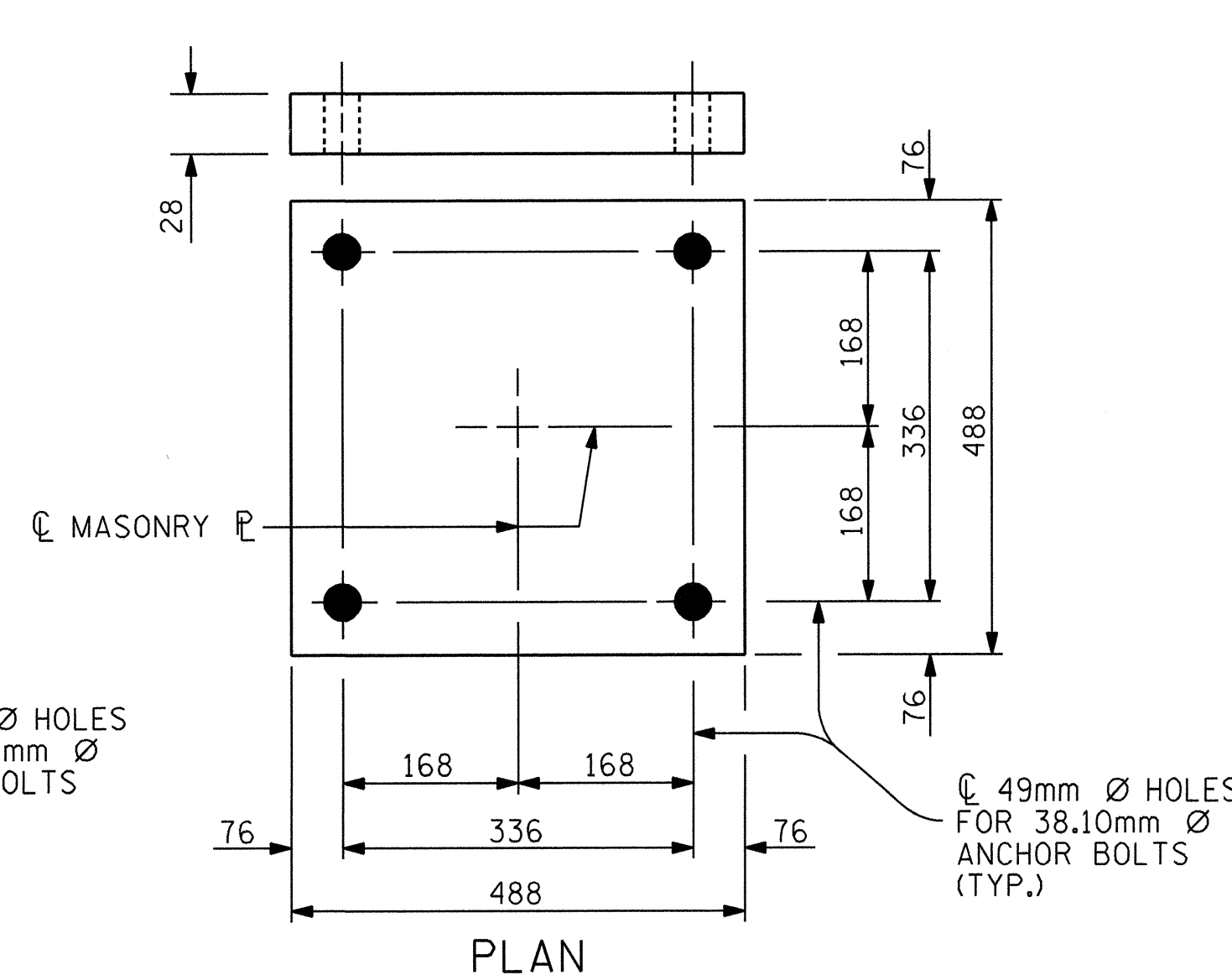


GUIDE KEY DETAIL

PROJECT NO. R-2552AA
 WAKE / JOHNSTON COUNTY
 STATION: 19+25.877 - I1Y1- P.O.T.



PLAN M1 (8 REQ'D.)



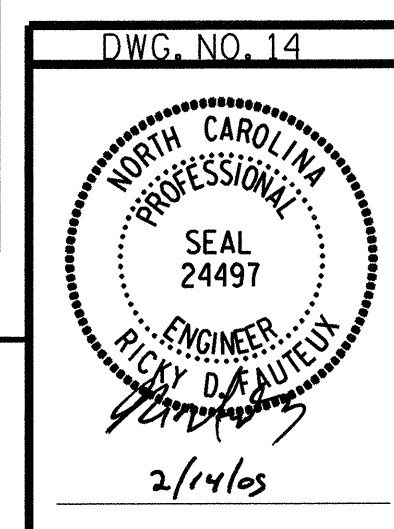
PLAN M2 (8 REQ'D.)

MASONRY PLATE DETAILS

ASSEMBLED BY: B. PARRISH DATE: 01/05
 CHECKED BY: R. D. FAUTEUX DATE: 01/05

DRAWN BY: RWW 8/99 REV. 10/17/00 RWW/LES
 CHECKED BY: LES 8/99 REV. 7/10/01 LES/RWW
 REV. 5/17/03 RWW/JTE

RUMMEL, KLEPPER & KAHL, LLP
 consulting engineers
 5800 FARINGTON PLACE - SUITE 105
 RALEIGH, NORTH CAROLINA 27609-3960



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD
 POT BEARINGS

JANUARY 2005

NO.	REVISIONS				SHEET NO.
	BY:	DATE:	NO.	DATE:	
1			3		5-14
2			4		TOTAL SHEETS 429

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