

NOTES

FOR POT BEARINGS, SEE SPECIAL PROVISIONS.

AT ALL POINTS OF SUPPORT AT BENT 1, 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.

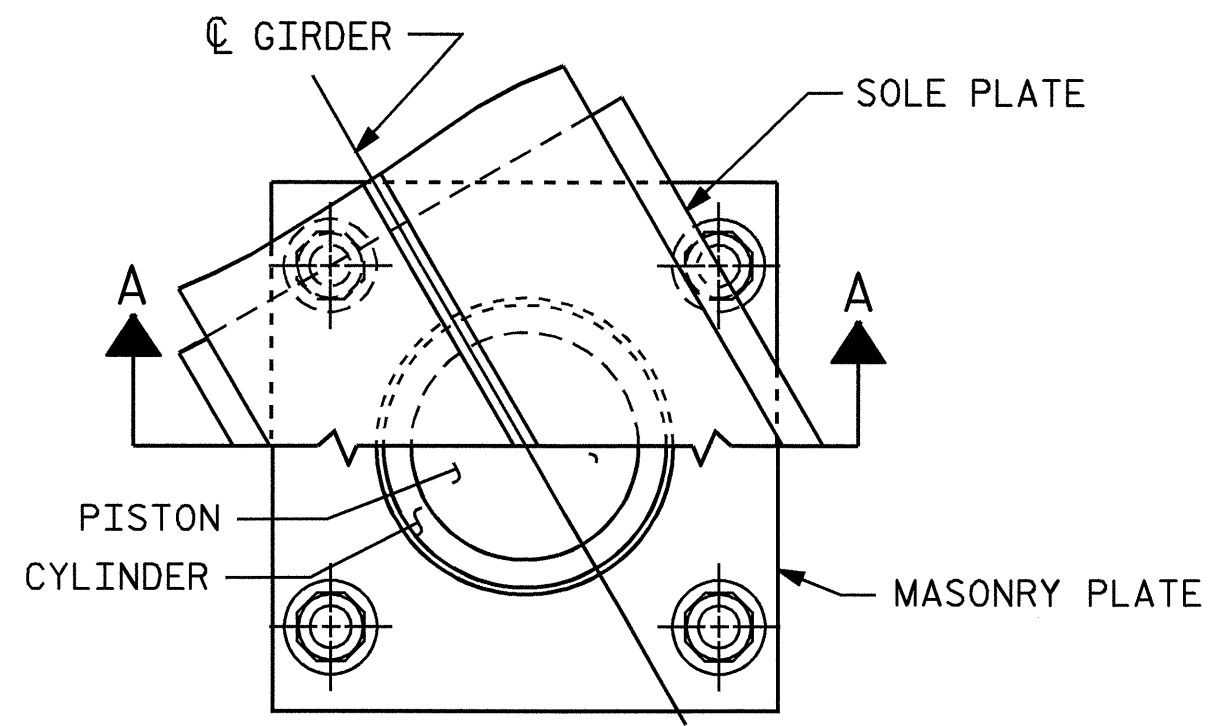
WHEN WELDING THE SOLE PLATE TO THE GIRDER, USE TEMPERATURE INDICATING WAX PENS, OR OTHER SUITABLE MEANS, TO ENSURE THAT THE TEMPERATURE OF THE BEARING DOES NOT EXCEED 121° C. TEMPERATURES ABOVE THIS MAY DAMAGE THE TFE OR ELASTOMER.

SOLE PLATES SHALL BE WELDED TO BEAM FLANGES BEFORE FALSEWORK IS PLACED.

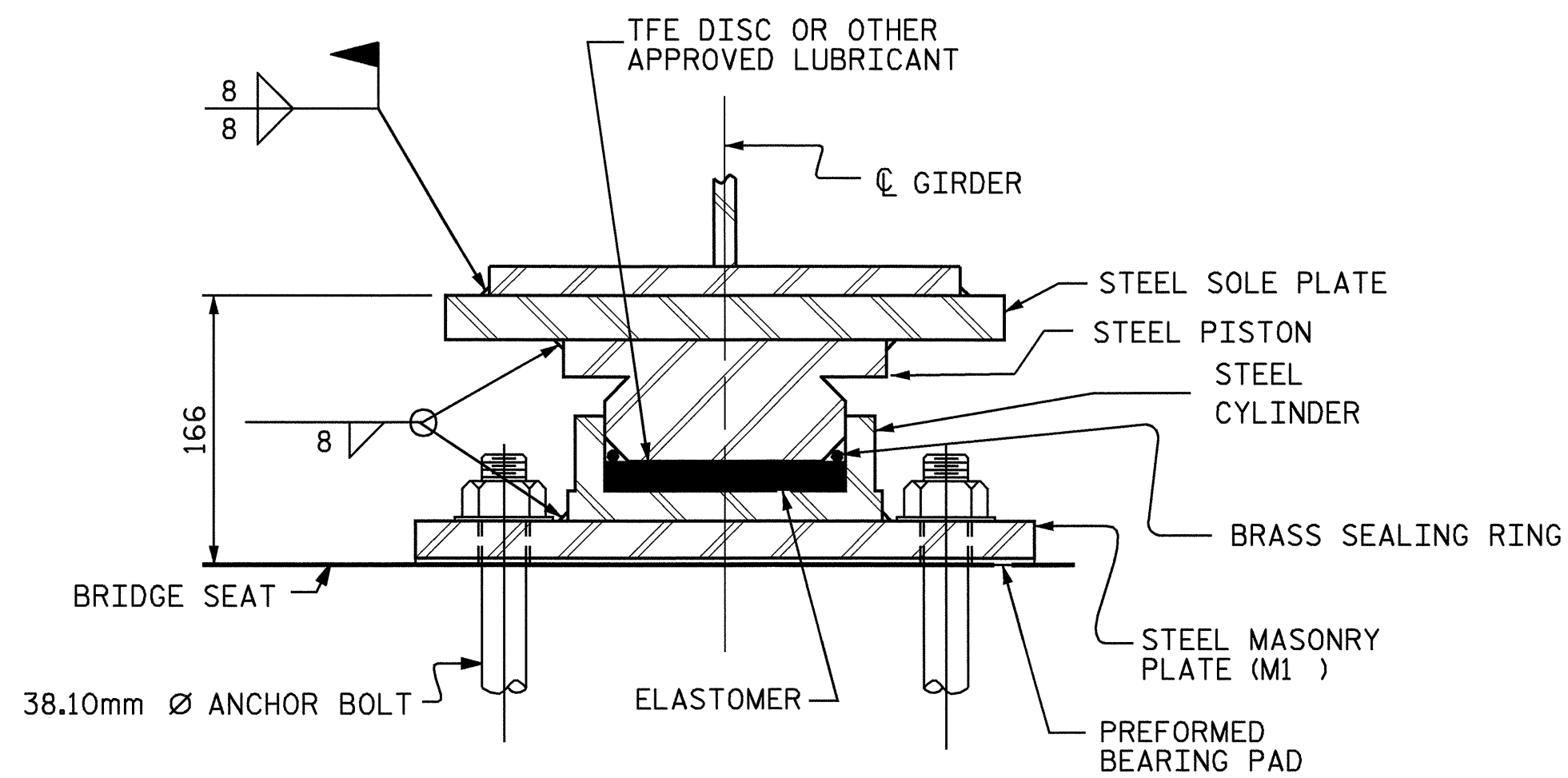
THE CONTRACTOR MAY SUBSTITUTE DISC BEARING FOR THE POT BEARING SHOWN. FOR OPTIONAL DISC BEARINGS, SEE SPECIAL PROVISIONS.

ALL SURFACE OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.

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

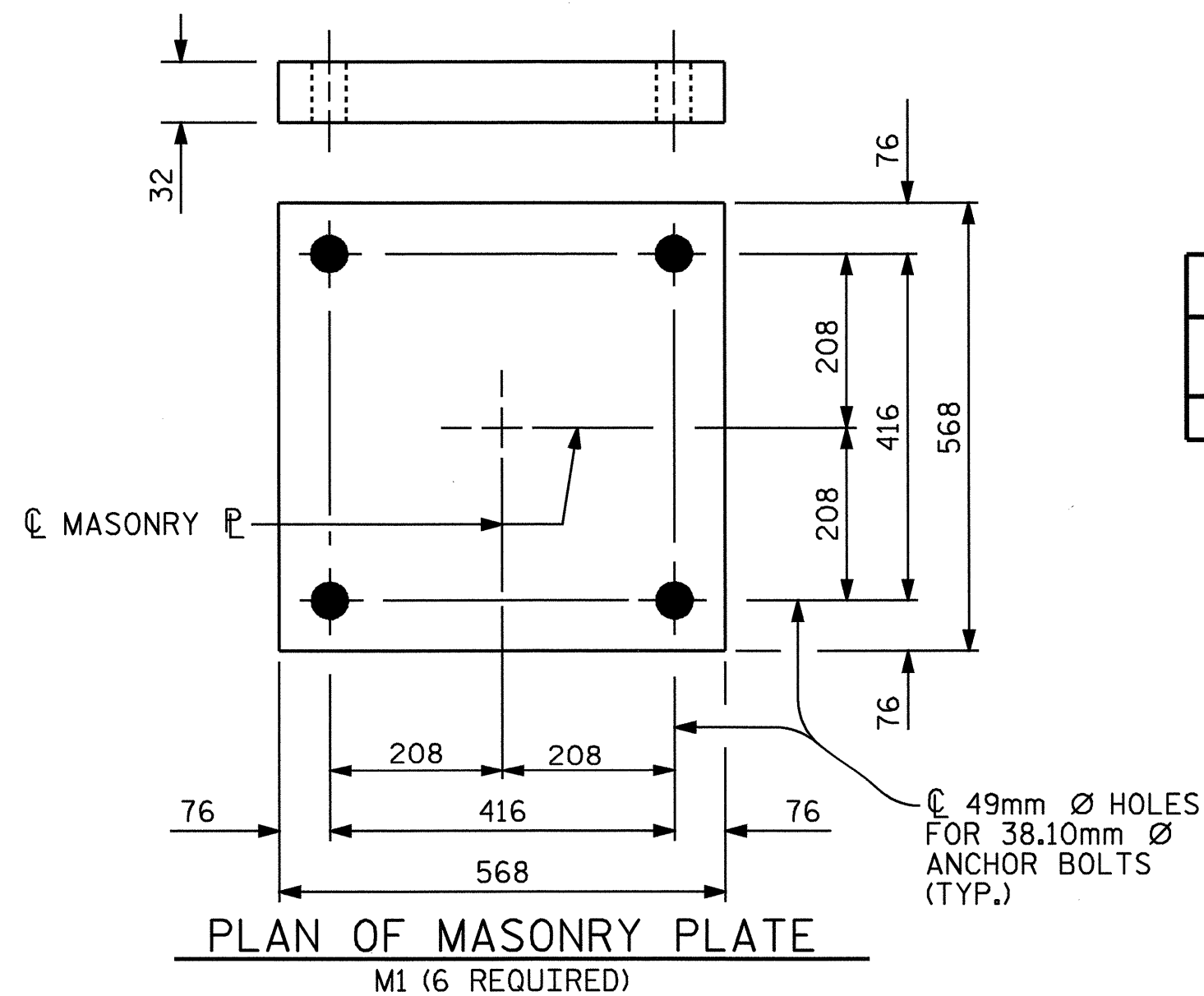


CUT-AWAY PLAN



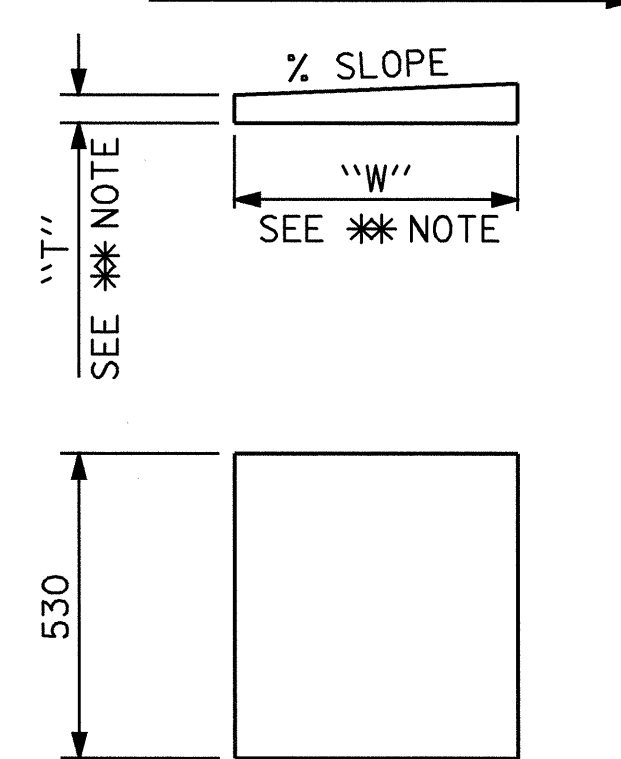
SECTION A-A

PB1, FIXED
PB1 (6 REQUIRED)



PLAN OF MASONRY PLATE
M1 (6 REQUIRED)

INCREASING STATIONS



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

SOLE PLATE DETAILS

TABLE FOR LOADS

BEARING	LOCATION	VERTICAL LOAD (KN)			LATERAL LOAD (KN)
		DEAD	LIVE	TOTAL	
PB1 (FIXED)	BENT 1	1410	610	2020	280

NOTES

FOR ELASTOMERIC BEARINGS, SEE SPECIAL PROVISIONS.

THE 51mm DIA. PIPE SLEEVE SHALL BE CUT FROM SCHEDULE 40 PVC PLASTIC PIPE. THE PVC PLASTIC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D1785.

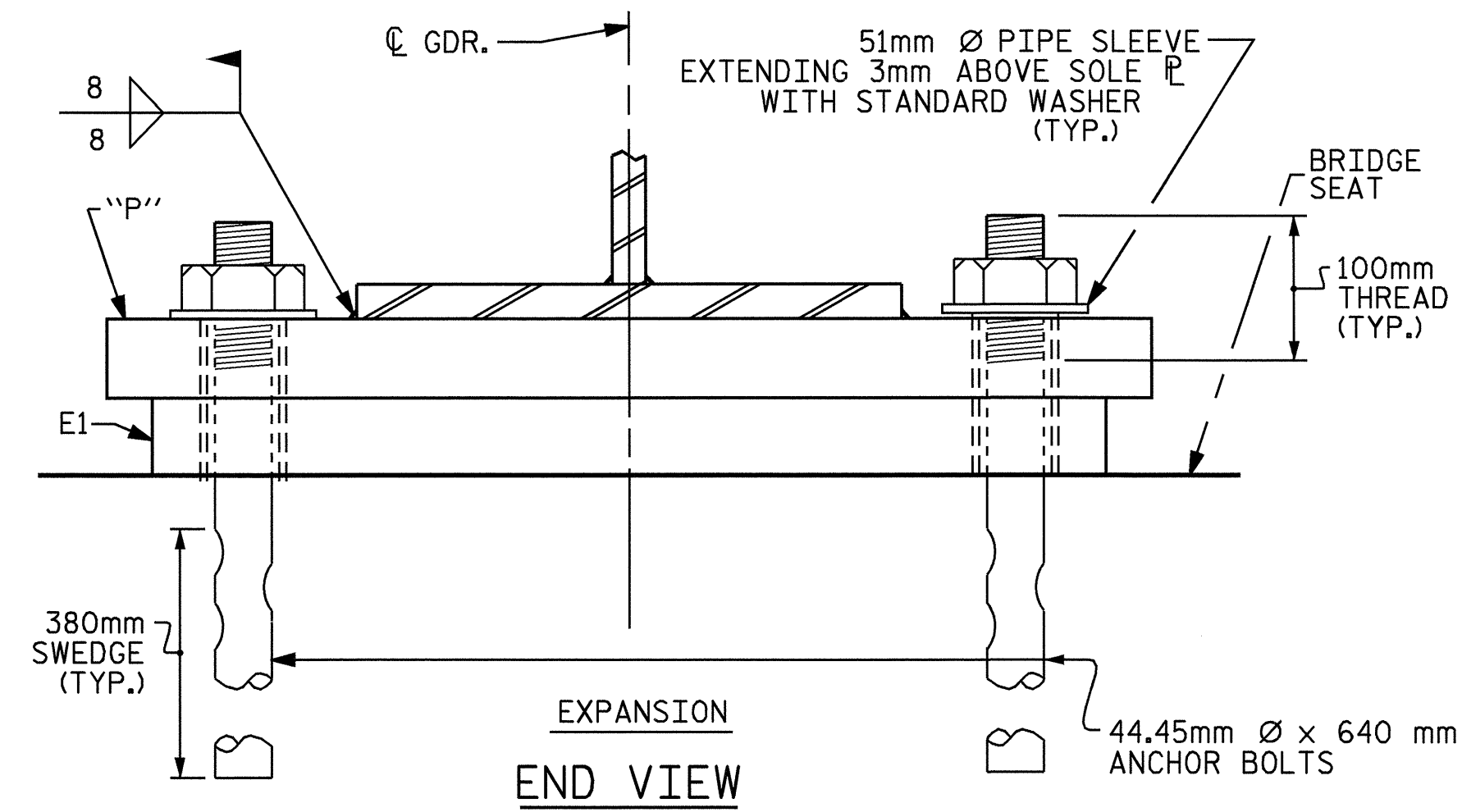
THE PAYMENT FOR THE PIPE SLEEVES SHALL BE INCLUDED IN THE SEVERAL PAY ITEMS.

FOR AASHTO M270 GRADE 345W STRUCTURAL STEEL, SOLE PLATE SHALL BE AASHTO M270 GRADE 345W AND SHALL NOT BE GALVANIZED, ANCHOR BOLTS AND NUTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

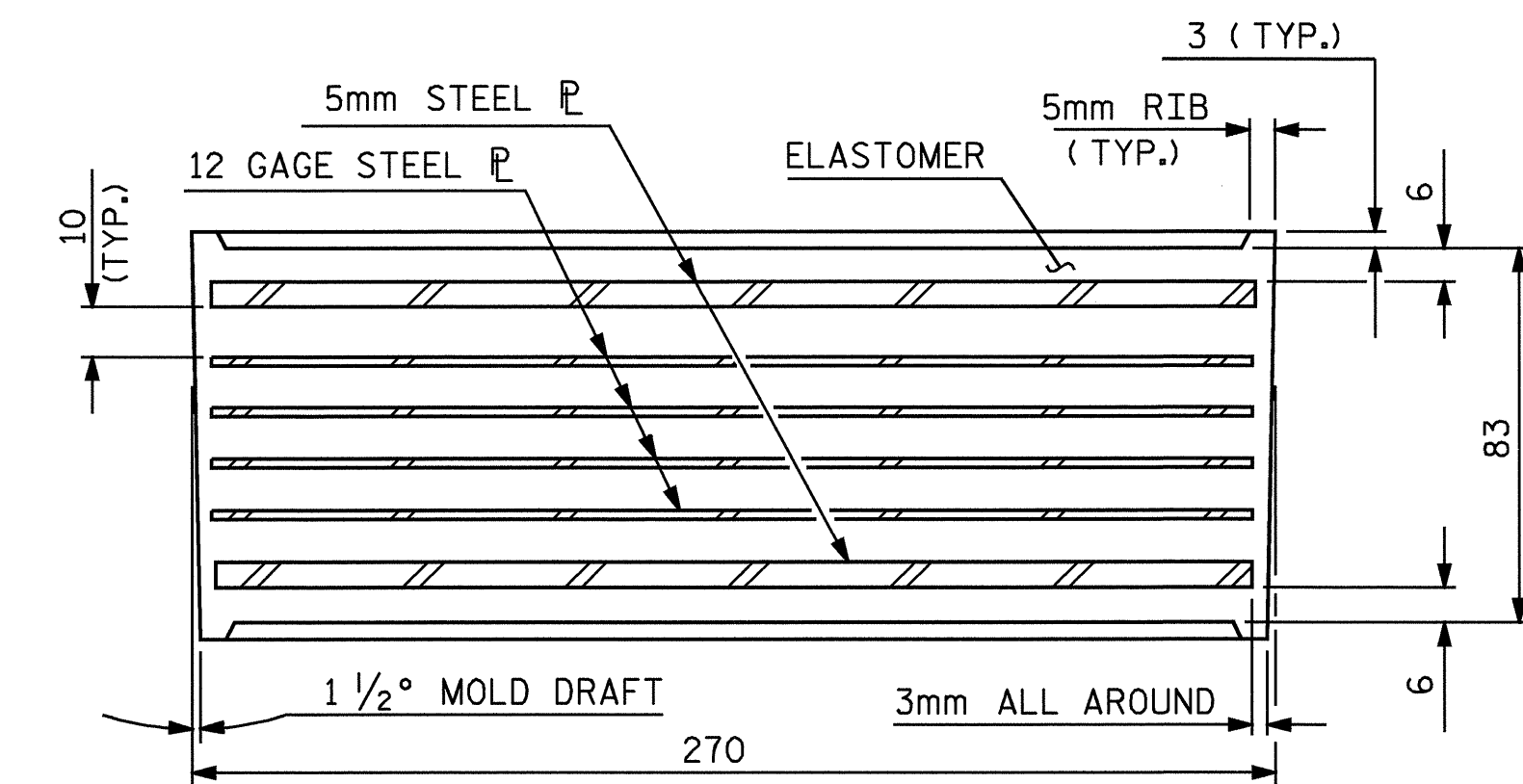
ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A449. NUTS SHALL MEET THE REQUIREMENTS OF AASHTO M291M-12 OR AASHTO M292M-2H. WASHERS SHALL MEET THE REQUIREMENTS OF AASHTO M293M. SHOP DRAWINGS ARE NOT REQUIRED FOR ANCHOR BOLTS, NUTS AND WASHERS. SHOP INSPECTION IS REQUIRED.

WHEN FIELD WELDING THE SOLE PLATE TO THE BOTTOM FLANGE OF THE GIRDER, USE TEMPERATURE INDICATING WAX PENS, OR OTHER SUITABLE MEANS, TO ENSURE THAT THE TEMPERATURE OF THE SOLE PLATE DOES NOT EXCEED 149° C. TEMPERATURES ABOVE THIS MAY DAMAGE THE ELASTOMER.

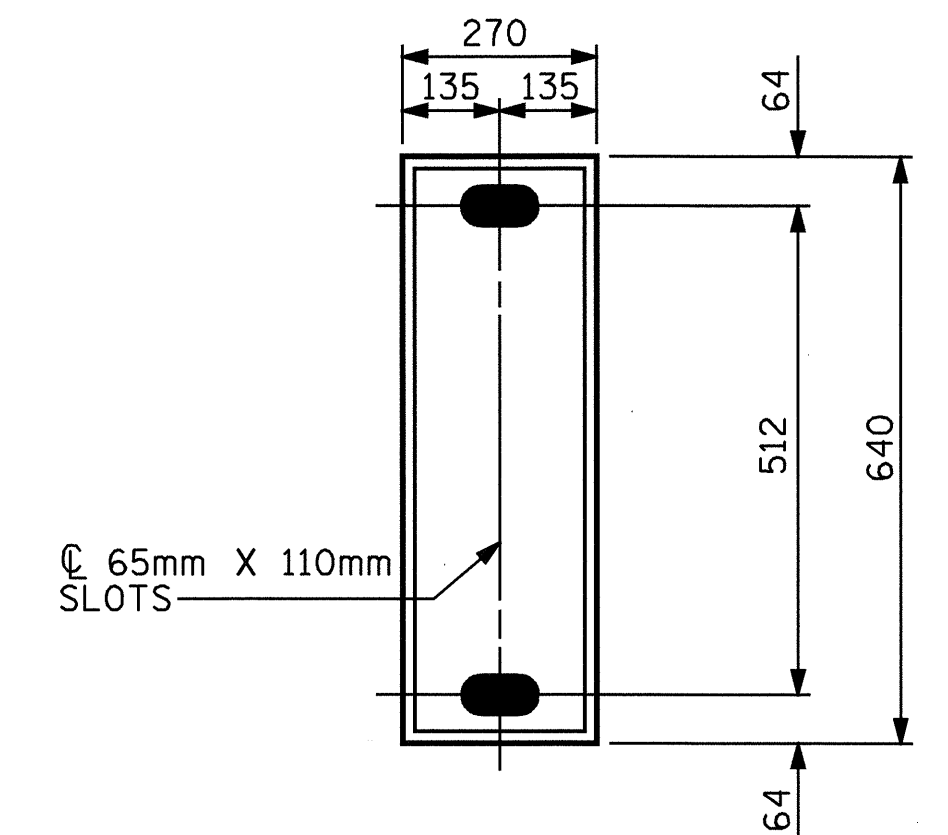
ALL SURFACE OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT



EXPANSION END VIEW



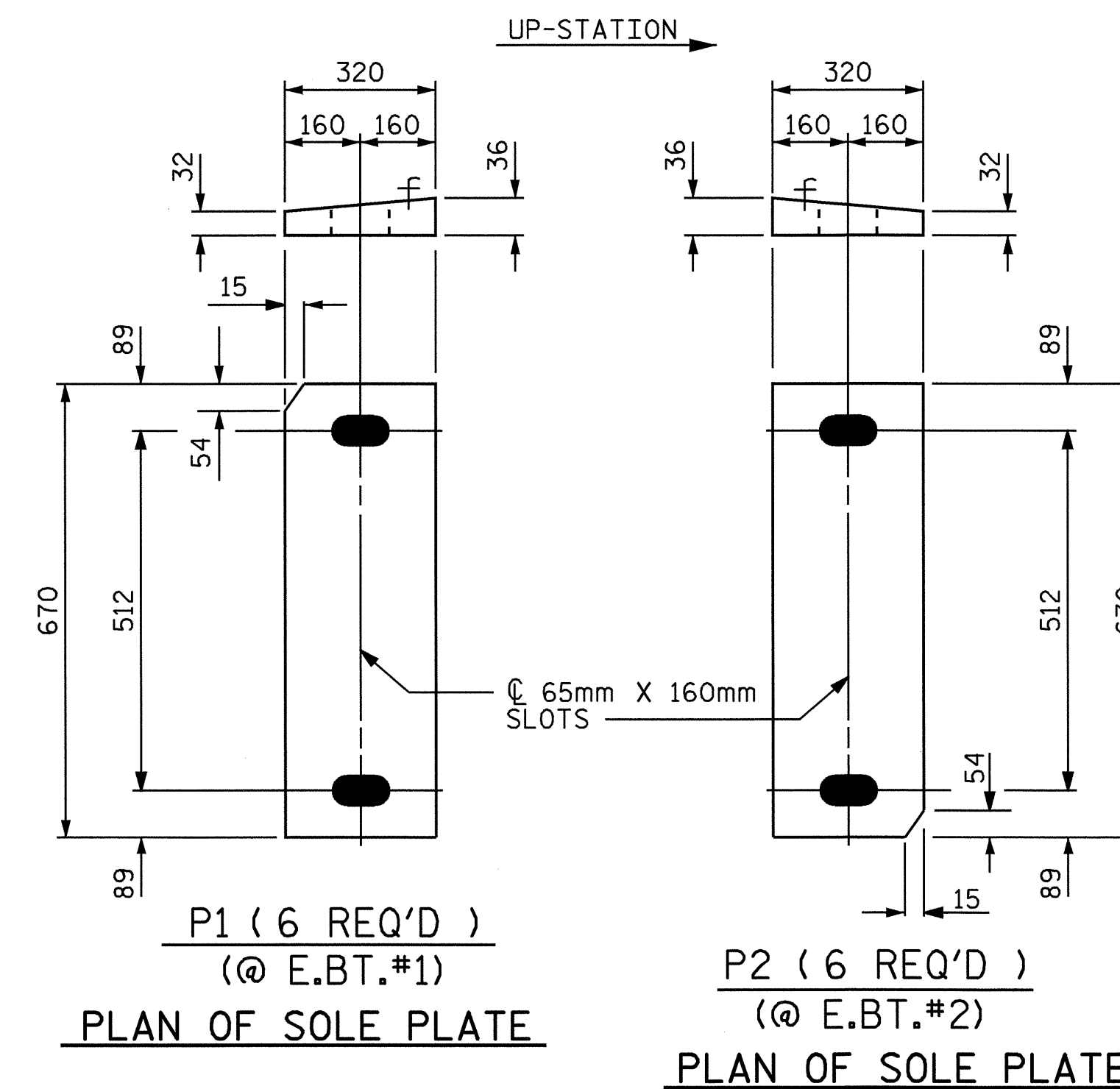
TYPICAL SECTION OF ELASTOMERIC BEARINGS



E1 (12 REQ'D)
PLAN OF ELASTOMERIC BEARING
(TYPE IV)

-LOAD RATINGS-

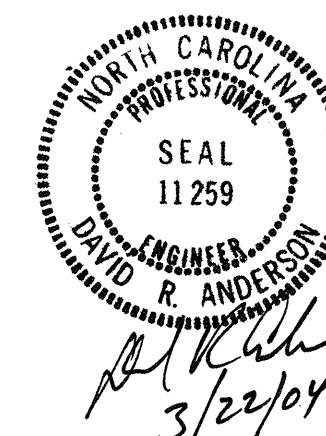
	MAX. D.L.+ L.L.
TYPE IV	809 kN



P1 (6 REQ'D)
(@ E.BT.#1)
PLAN OF SOLE PLATE

P2 (6 REQ'D)
(@ E.BT.#2)
PLAN OF SOLE PLATE

PROJECT NO. R-513C
ROBESON COUNTY
STATION: 318+10.648 -L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE BEARING DETAILS

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

TOTAL SHEETS
312