

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

NOTES:

FOR POT BEARINGS, SEE SPECIAL PROVISIONS.

AT ALL POINTS OF SUPPORT IN SPANS "A" & "B", 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.

THE CONTRACTOR SHALL ADJUST THE BUILD-UPS AS NECESSARY TO INCORPORATE A MAXIMUM PERMISSIBLE VARIATION IN POT BEARING DEPTH OF 13mm. SEE SPECIAL PROVISION FOR POT BEARINGS.

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. TEMPERATURE ABOVE THIS MAY DAMAGE THE TFE OR ELASTOMER.

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

SOLE PLATES SHALL BE WELDED TO GIRDER FLANGES AND ANCHOR BOLTS SHALL BE GROUDED BEFORE FALSEWORK OR FORMS ARE PLACED.

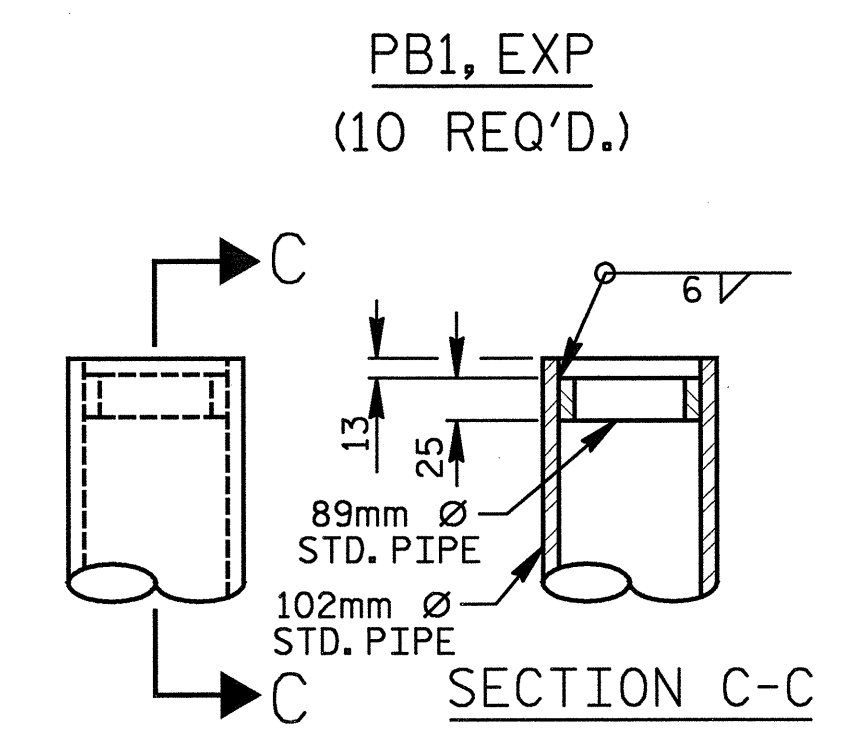
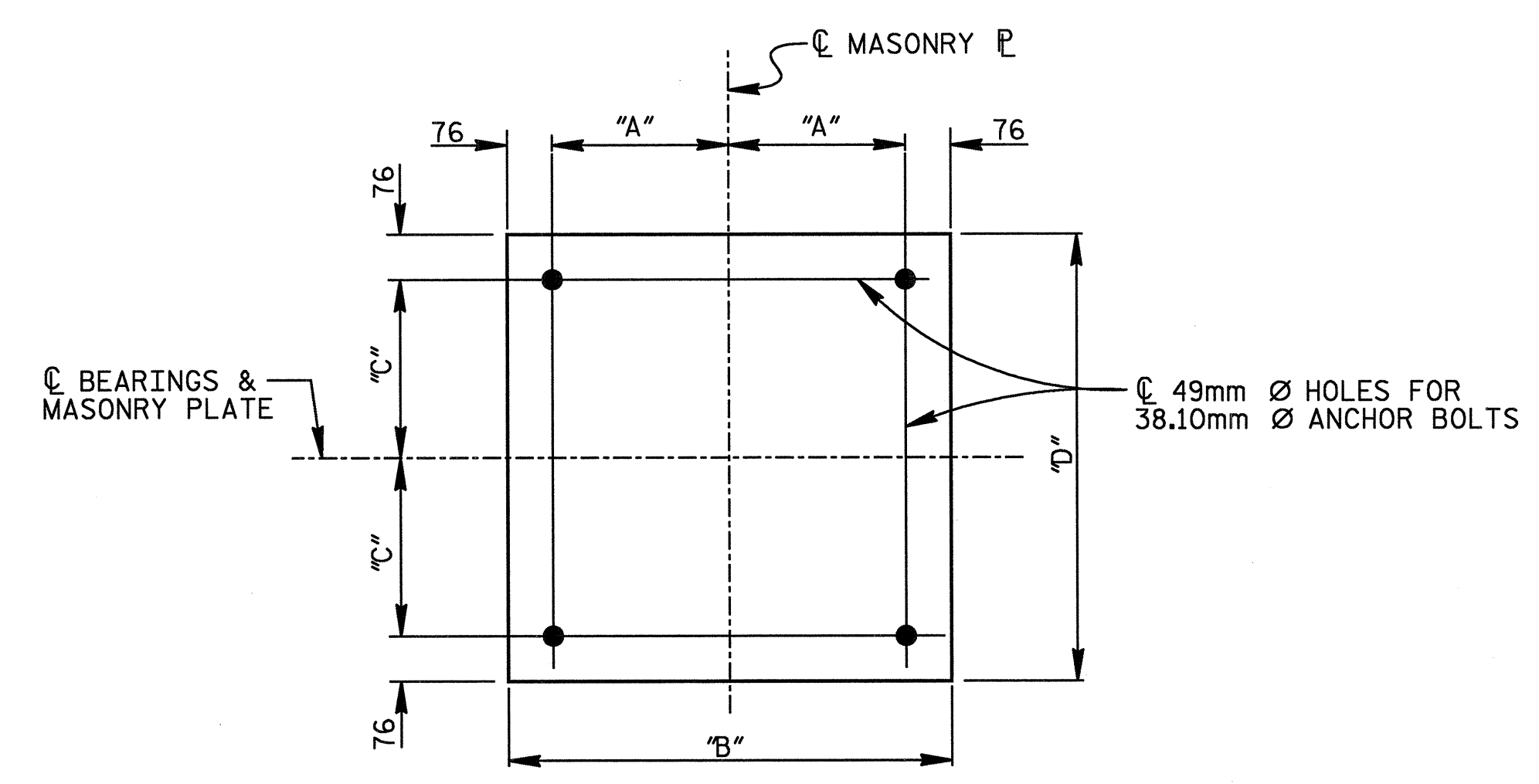
ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.

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

FOR PROJECTION OF ANCHOR BOLTS, SEE END BENT AND BENT SHEETS.

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

NOTE: THE CLOSURE PLATE AND THE STANDARD PIPE FOR THE PIPE SLEEVE ASSEMBLY NEED NOT BE GALVANIZED.



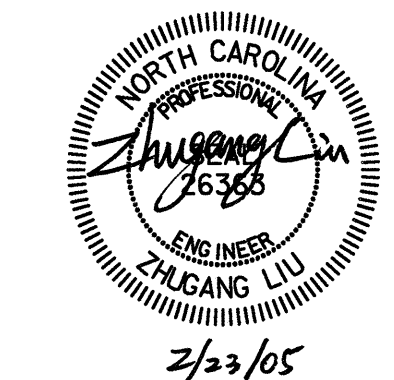
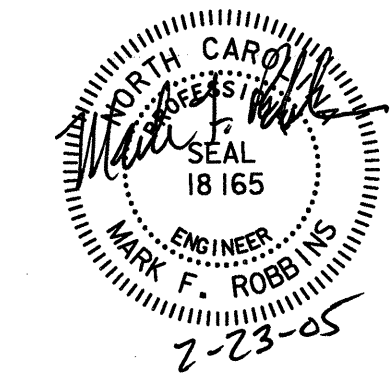
DETAIL "A"

GUIDE KEY DETAIL

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BEARING LOCATION	BEARING TYPE	LOADS AND MOVEMENTS					SOLE PLATE		PLATE SETTING DATA (EXP. BRGS.)				MASONRY PLATE DIMENSIONS (mm)					ASSUMED BEARING DEPTH
		VERT. LOAD IN KN			LATERAL LOAD (kN)	TOTAL MOVEMENT (mm)	WIDTH NORMAL TO GIRDER "F" (mm)	SLOPE %	TEMPERATURE AT TIME OF SETTING				"A"	"B"	"C"	"D"	"E"	
		DL	LL	TOTAL					0°C (mm)	16°C (mm)	32°C (mm)	■ (mm)						
END BENT 1	PB1 (EXP.)	345	235	580	70	29	390	0.53	-9	0	9	-4	269	690	149	450	25	146
BENT 1	PB2 (FIX)	1520	560	2080	305	0	510	0.21	0	0	0	0	208	568	208	568	32	167
END BENT 2	PB1 (EXP.)	465	280	745	95	32	510	-0.14	-10	0	10	-7	329	810	149	450	25	144

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



PROJECT NO. R-2552C
JOHNSTON COUNTY
STATION: POS 16+52.599 -Y4-
POC 9+28.021 -FLYOVER-
SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
POT BEARING
DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-411
2			4			TOTAL SHEETS 431

ASSEMBLED BY : JTG, LGH
CHECKED BY : TVR
DATE : 5-04
DATE : 12-04

DRAWN BY : RWW 8/99
CHECKED BY : LES 8/99
ADDED 8/16/99
REV. 10/17/00 RWW/LES
REV. 7/10/01 LES/RWW

D-1748.16

PB1SM.STD