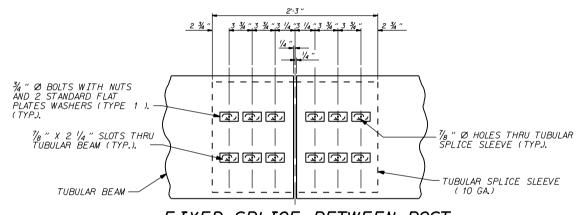
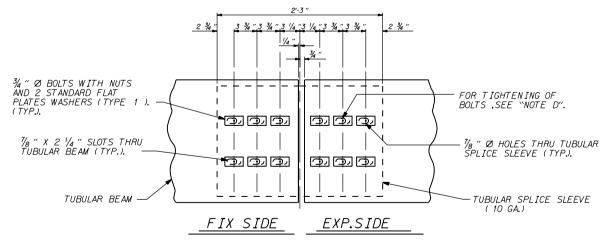


LEGEND

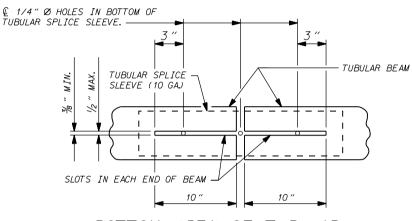
DETAIL "T"



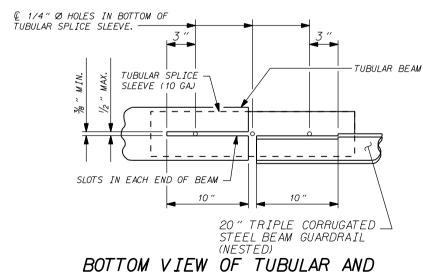
FIXED SPLICE BETWEEN POST TUBULAR BEAM SPLICE



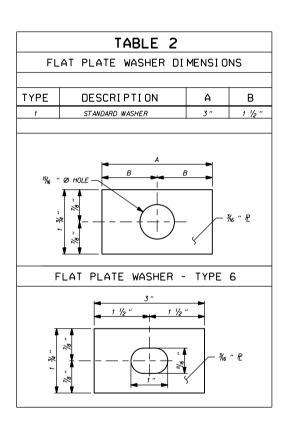
EXPANSION SPLICE BETWEEN POST (TYPE 1) TUBULAR BEAM SPLICE



BEAM SPLICE



20" TRIPLE CORRUGATED STEEL BEAM SPLICE



"NOTE D": BOLTS ON EXPANSION SIDE OF TUBULAR BEAM SPLICE SHALL BE TIGHTENED FINGER TIGHT.DOUBLE NUTS SHALL BE USED AND TIGHTENED AGIANST EACH OTHER TO PREVENT THE NUTS FROM BECOMING LOOSE ON THE BOLT.

CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4

RETROFIT OF EXISTING BRIDGE RAIL WITH TUBULAR BEAM GUARDRAIL

ORIGINAL BY: C.O. CUEVAS DATE: 9-1-98

MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: ds182:\usr\cesar\english\retrofit.dg