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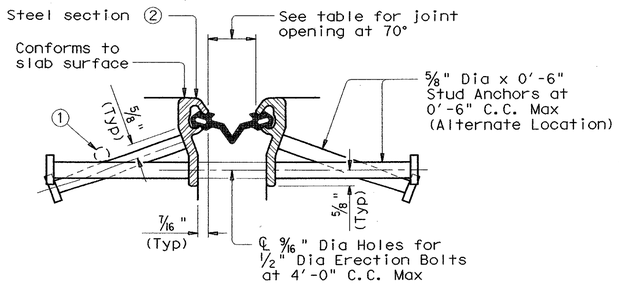
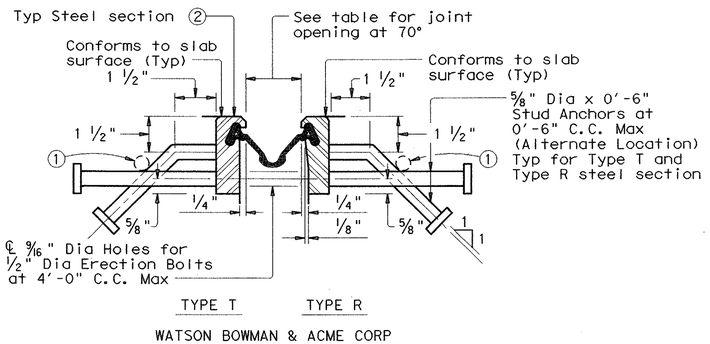
LEVELS DISPLAYED 1 2 | ACC: (LV=1,2 for English) 6263

① Transverse bars in conflict with SEJ studs in either the bridge slab or approach slab shall be moved to rest at the junction of the studs.



D S BROWN COMPANY



TYPE T TYPE R

WATSON BOWMAN & ACME CORP

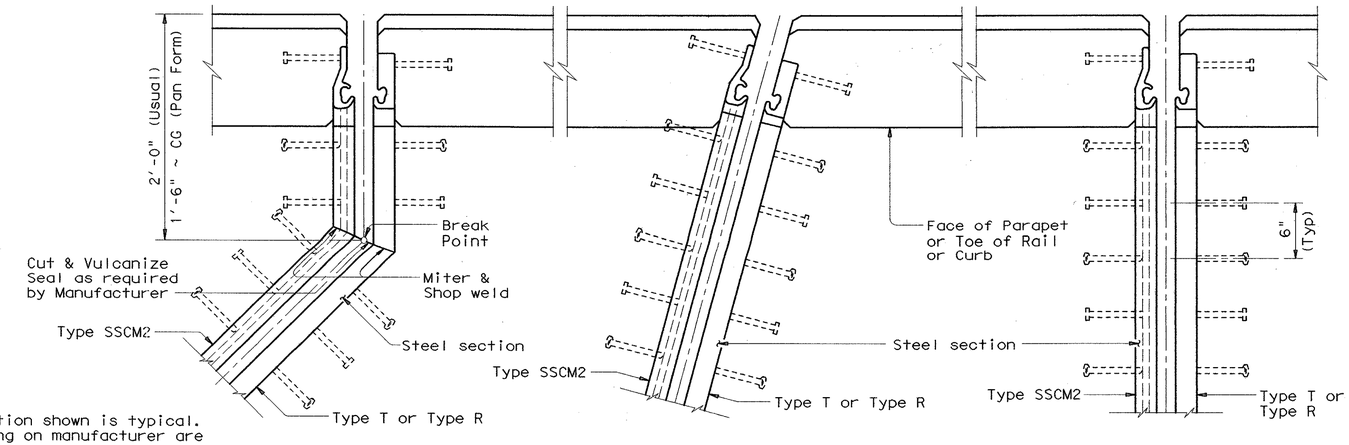
SECTIONS THRU SEALED EXPANSION JOINT

NOTES:
Steel sections shall be shipped in convenient lengths of 24'-0" Max and 10'-0" Min unless otherwise necessary for stage construction or widenings. One shop splice will be permitted in each shipping length provided no piece is less than 2'-0" in length and sufficient studs are added to limit the stud to shop or field splice distance to 2" Min and 4" Max .
Shop and field splices shall be made by butt welding with areas in contact with preformed joint sealer to be ground smooth.
Corresponding sections shall be match marked and bolted together for shipment.
All steel parts are not to be painted or primed unless designated elsewhere on the plans.

D.S. BROWN COMPANY

WATSON BOWMAN & ACME CORP

NEOPRENE SEAL



SKEWS WITH SLAB BREAK

SKEWS WITHOUT SLAB BREAK

NORMAL

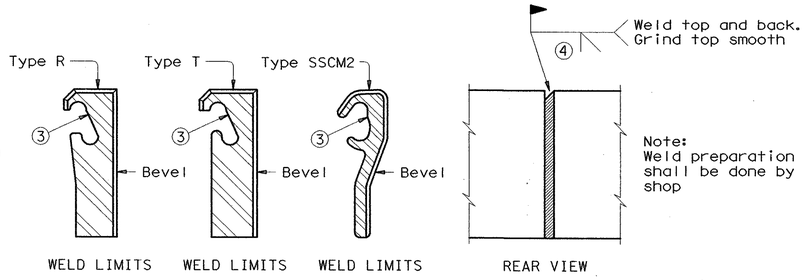
② Shape of steel section shown is typical. Variations depending on manufacturer are permissible.

③ Remove all burrs which will be in contact with seal prior to making splice.

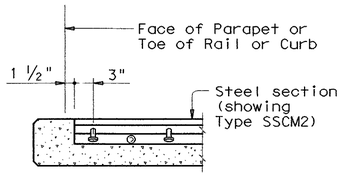
MANUFACTURER	STEEL SECTION ②	NEOPRENE STRIP SEAL 4" JOINT	
		Seal Type	Joint Opening
D.S. Brown	Type SSCM2	A2X	1 ¾"
Watson Bowmon & Acme Corp	Type T	SE400	1 ¾"
Watson Bowmon & Acme Corp	Type R	SE400	1 ¾"

PLANS OF END CONDITIONS

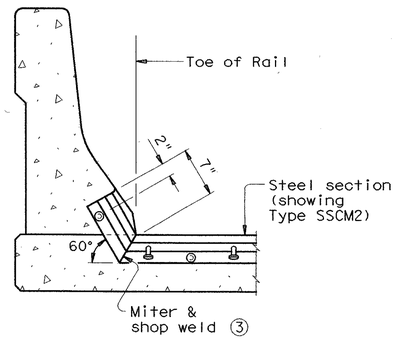
④ ⅛ Bevel weld, for Type SSCM2 steel section.
⅜ Bevel weld, for Type T and Type R steel sections.



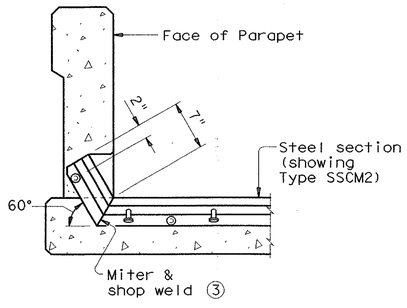
BEVEL AT FIELD SPLICE
(Not to Scale)



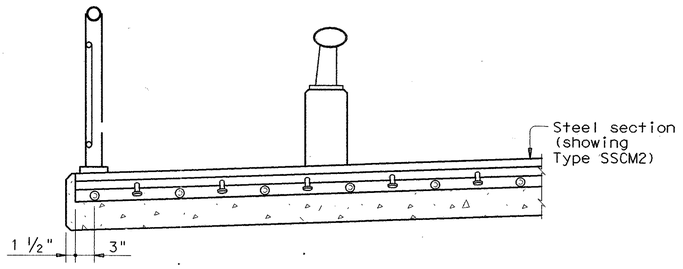
SECTION THRU SLAB
(HIGH SIDE)



SECTION THRU BARRIER RAIL
(LOW SIDE)



SECTION THRU OTHER PARAPET RAILS
(LOW SIDE)



SECTION THRU SIDEWALK Ⓜ
(LOW SIDE)

GENERAL NOTES:

Sealed Exp Jts shall be provided in the size and at locations shown on plans.
Minimum slab thickness required for the use of SEJ-A is 6 ½" .
Shop fabrication will be required at all intersections of cross slope and at break points.
Corresponding sections of Sealed Exp Jts shall be temporarily shop assembled, checked for fit, and match marked for shipment.
Erection holes shall be punched so as to line up when Sealed Exp Jts are in their final position.
Stud anchors shall be electric arc end-welded with complete fusion.
The neoprene seal shall be continuous and included in the price bid for Sealed Exp Jt .
The Contractor shall arrange for securing the Sealed Exp Jt in position, and placing to the proper grade and alignment by welding braces to adjacent reinf steel, to prestressed beam stirrups, or to anchors cast in concrete diaframs. Cost of temporary bracing is to be included in the price bid for Sealed Exp Jt .
After bracing and welding the steel section, the erection bolts and spacers shall be removed and erection holes sealed before placing slab concrete.

Texas Department of Transportation
Design Division (Bridge)

SEALED EXPANSION JOINT DETAILS

WITHOUT OVERLAY

SEJ-A (MOD)

FILE: sejastde.dgn	DN: THD	CK: THD	DW: JTR	CK: LDS	NEG:	B272
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