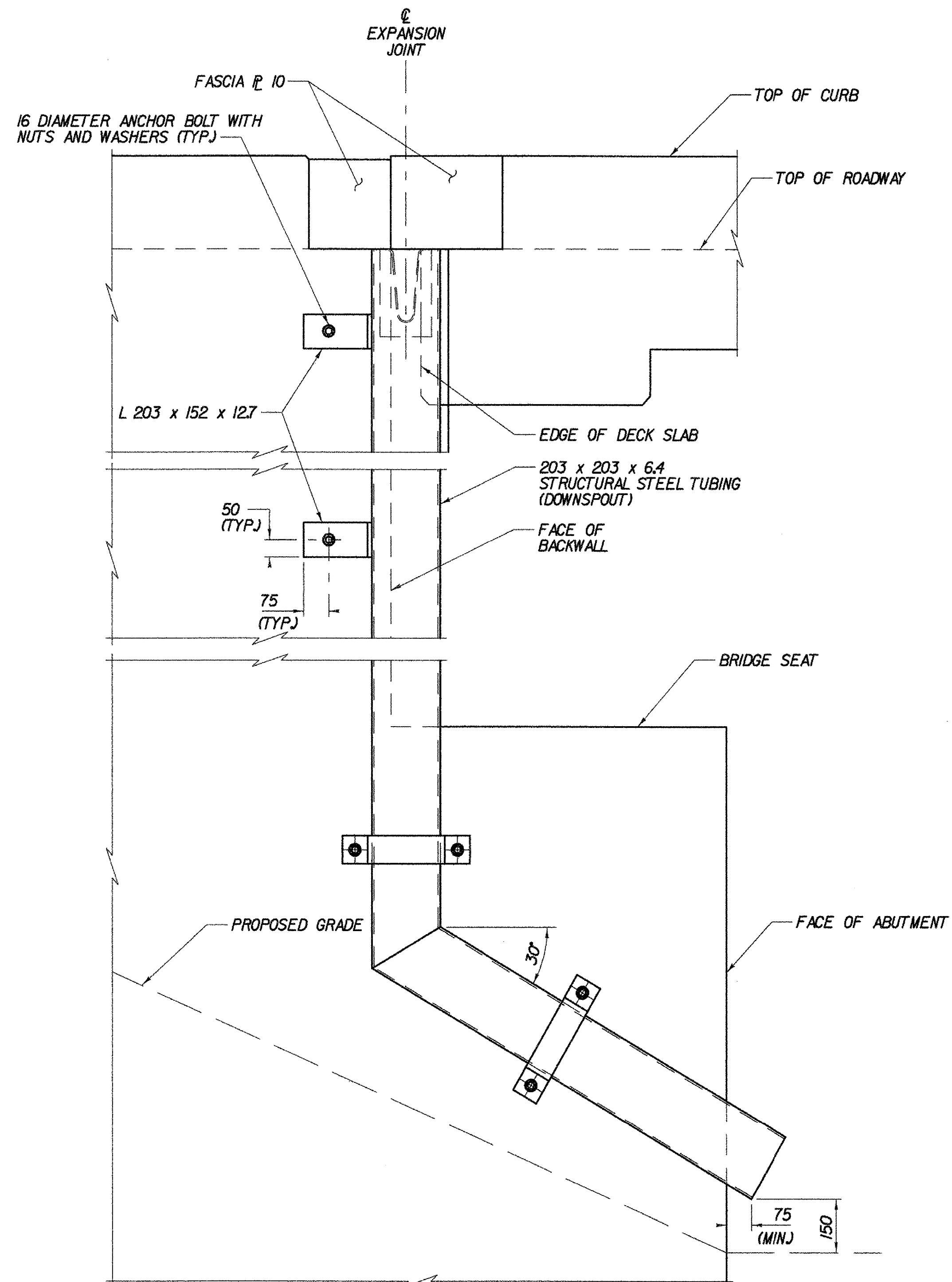
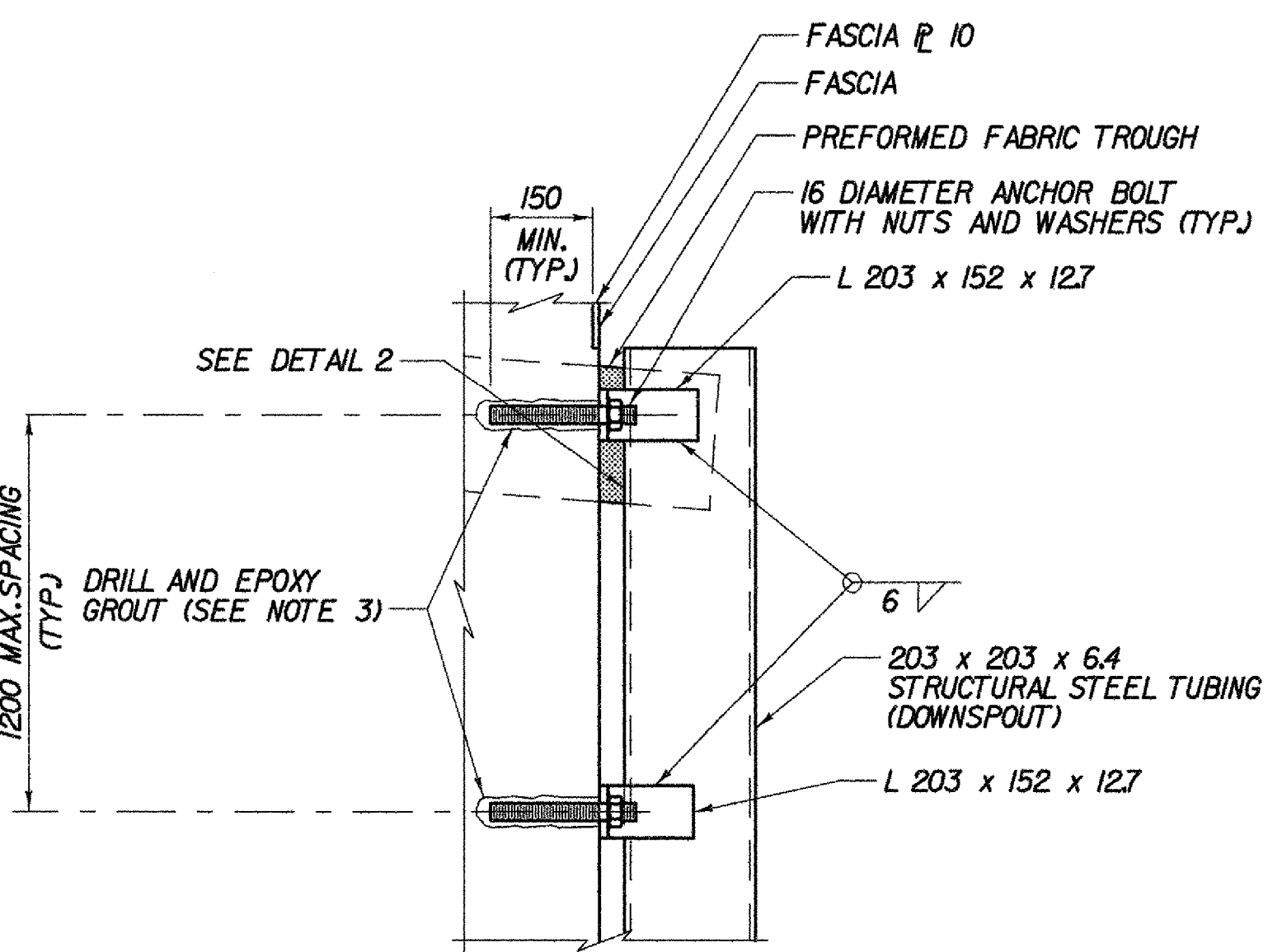


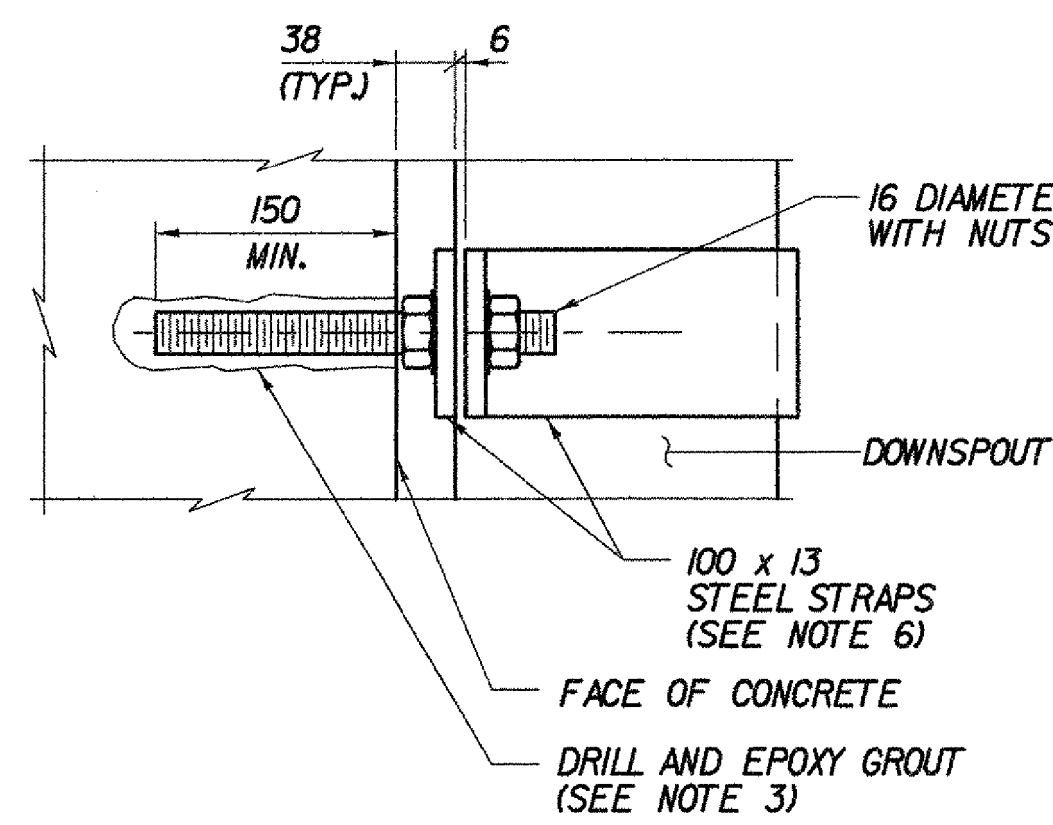
DOWNSPOUT PLAN
NOT TO SCALE



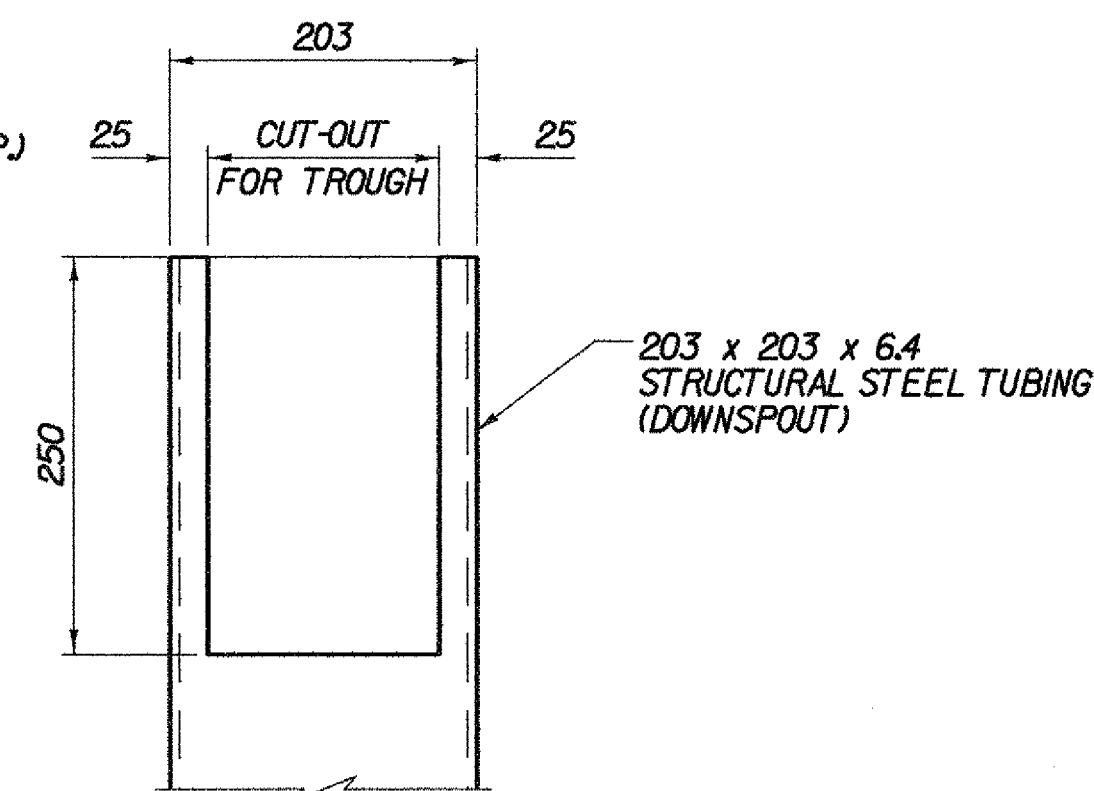
SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE



DETAIL 1
NOT TO SCALE



DETAIL 2
NOT TO SCALE

NOTES:

- HOLLOW STRUCTURAL STEEL TUBING (DOWNSPOUT) SHALL CONFORM TO ASTM A500 OR A501 STEEL. ALL BARS AND PLATES SHALL CONFORM TO AASHTO M270M/M270 GRADE 250. ALL STEEL SHALL BE GALVANIZED OR METALIZED IN ACCORDANCE WITH SECTION 506.15 OF THE SPECIFICATIONS.
- ALL DOWNSPOUT WORK SHALL BE PAID FOR UNDER ITEM 506.60, "STRUCTURAL STEEL".
- ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO SUBSECTION 714.08 OF THE SPECIFICATIONS, AND BE GALVANIZED IN ACCORDANCE WITH SUBSECTION 506.15. ANCHOR BOLTS SHALL BE DRILLED AND EPOXY GROUTED 150 MINIMUM INTO THE CONCRETE. DRILL AND EPOXY GROUT SYSTEM SHALL BE:
 - DAYTON SUPERIOR SURE-ANCHOR J-51 SYSTEM
 - HILTI, INC. HIT HY-150 SYSTEM
 - UNITEX PRO-POXY 300 FAST SYSTEM
 OR EQUIVALENT APPROVED BY VAOT MATERIALS SECTION. ALL COSTS FOR DRILLING AND EPOXY GROUTING ANCHOR BOLTS SHALL BE INCIDENTAL TO ITEM 506.60, "STRUCTURAL STEEL".
- THE ANCHOR BOLTS SHALL BE ASTM F568M CLASS 4.6.
- THE DOWNSPOUTS SHALL BE PLACED AS SHOWN ON THIS SHEET. THIS WILL REQUIRE THAT THE DOWNSPOUT BE LOCATED AS FAR AS POSSIBLE UP UNDER THE TROUGH. THE TROUGH SHOULD BE ENCLOSED AS MUCH AS POSSIBLE BY THE DOWNSPOUT BUT SHOULD NOT BE BENT OR BUCKLED TO RESTRICT THE FLOW OF WATER.
- STRAPS SHALL NOT BE BENT IN THE FIELD.

SEE ALSO
SHOP DRAWINGS

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BI2
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 OVER FURNACE BROOK			
DOWNSPOUT DETAILS			
Designed By	J.J. MANUSE	Drawn By	D.J. HENDERSON
Checked By	Date	Bridge Design Supervisor	
B.J. CARLSON	04/07	K.M. WOJTKOWSKI	Date 04/07
PROJECT	BENNINGTON	PROJECT NO.	AC NH FO19-1(53)
TVGA CAD Drawing No.	FBDwnSpout.dgn	Date	04/10/2007
Bridge Sheet No.	BR528	Sheet	220 of 577