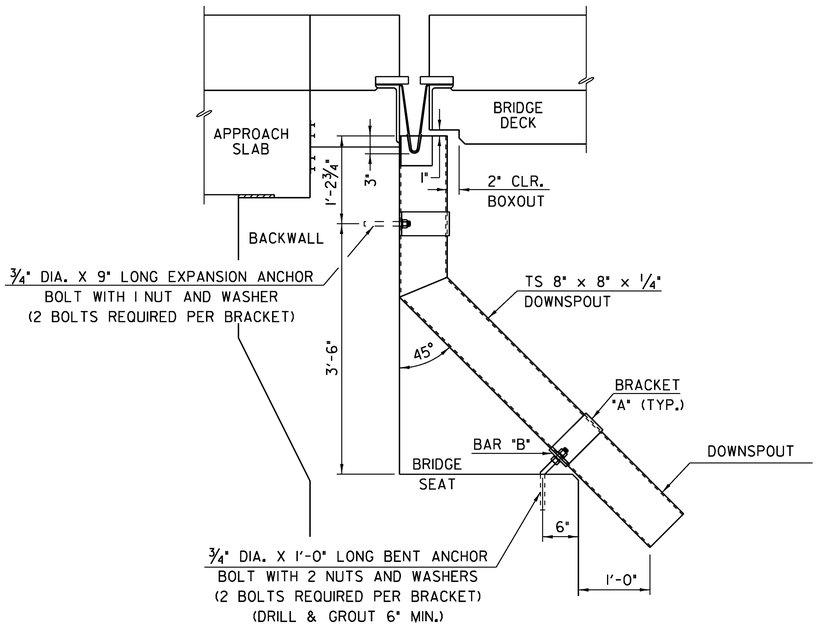
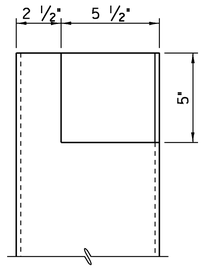


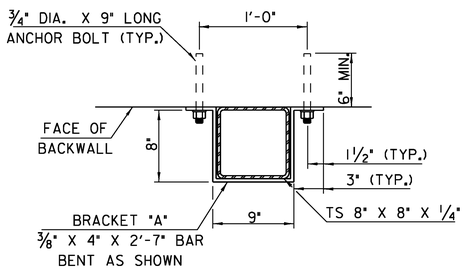
DOWNSPOUT ELEVATION

SCALE: 1" = 1'- 0"



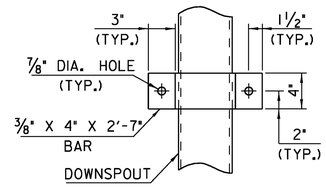
DOWNSPOUT CUTOUT FOR TROUGH

SCALE: 3" = 1'- 0"



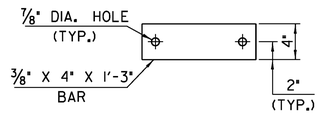
DETAILS FOR ATTACHING DOWNSPOUT TO ABUTMENT

SCALE: 1½" = 1'- 0"



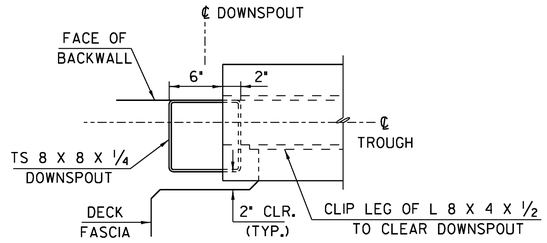
ELEVATION VIEW OF BRACKET "A"

SCALE: 1½" = 1'- 0"



ELEVATION VIEW OF BAR "B"

SCALE: 1½" = 1'- 0"



PLAN VIEW OF DECK BOXOUT FOR DOWNSPOUT

SCALE: 1½" = 1'- 0"

DECK BOXOUT NOTES

1. BOTTOM OF DECK TO BE BOXED OUT AS SHOWN TO ALLOW DOWNSPOUT TO COME UP UNDERNEATH THE DRAIN TROUGH.
2. DECK REINFORCING STEEL TO BE CUT AS REQUIRED TO MAINTAIN 3" CLEARANCE FROM BOXOUT.

DOWNSPOUT NOTES

1. HOLLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A-500 OR A-501.
2. ALL PLATES, BARS, AND ANGLES SHALL CONFORM TO AASHTO M 270, GRADE 250 (GRADE 36).
3. DOWNSPOUT AND BRACKETS SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111 AFTER FABRICATION.
4. ALL BOLTS AND RELATED HARDWARE SHALL BE ASTM A-307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153 (AASHTO M 232).
5. ANY PLACE WHERE THE GALVANIZING HAS BEEN REMOVED FROM THE DOWNSPOUT EITHER BY CUTTING, BURNING, WELDING, PLACING, OR ANY OTHER MEANS, IT SHALL BE REPAIRED PER SECTION 513.
6. DOWNSPOUT AND ALL ANCHOR BOLTS WITH RELATED HARDWARE SHALL BE PAID FOR UNDER ITEM 506.60 "STRUCTURAL STEEL".

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of *BERKSHIRE*	Bridge No. *30*
Highway No. *VT 118*	Log Sta. / Surv. Sta.
VT 118 OVER MISSISSQUOI RIVER	
DOWNSPOUT DETAILS	
Designed By *J Howe*	Drawn By *J Davis*
Checked By *R Hebert* Date *4/2/09*	Bridge Design Supervisor Date
PROJECT *BERKSHIRE*	PROJECT NO. *BHF 0283(9)S*
I.G.C. Info.	*ZC304DDLDGN*
Bridge Sheet No.	Sheet *24* of *41*