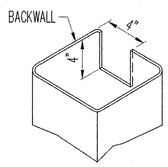
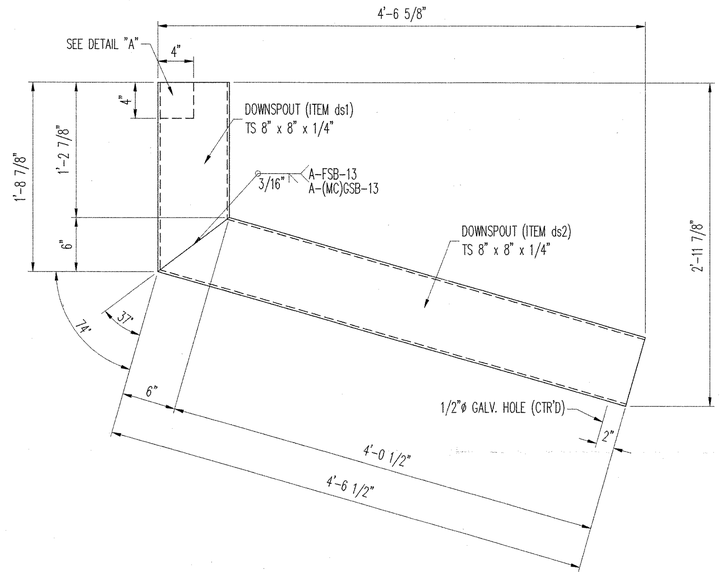
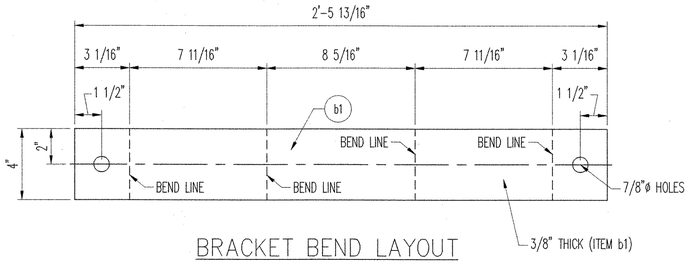


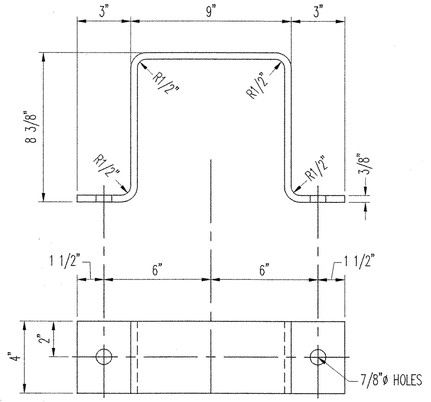
DETAIL "A"



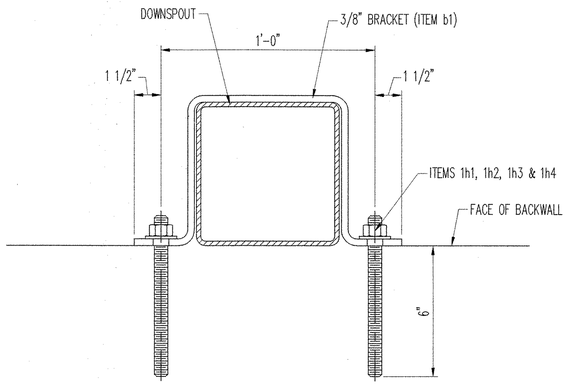
DOWNSPOUT 1A DETAIL



BRACKET BEND LAYOUT



BRACKET DETAIL 1B DETAIL



DETAIL FOR ATTACHING DOWNSPOUT TO BACKWALL

MK	QTY.	DESCRIPTION	MATERIAL	LENGTH	REMARKS	PART NO.
1A	1	DOWNSPOUT		4'-6 5/8	HDG	
ds1	1	TS 8 x 8 x 1/4	A500 GR.B	1'-8 7/8	SKEW CUT	22-35
ds2	1	TS 8 x 8 x 1/4	A500 GR.B	4'-6 1/2	SKEW CUT	22-35
1B	1	BRACKET		1'-3	HDG	
b1	1	FB 3/8 x 4	A36	2'-5 13/16	BEND	16-76
		FIELD BOLTS:				
1h1	4	RB 3/4 CONTINUOUS THREAD	A36	0'-9	(2) HDG/CHISEL PT.	18-25
1h2	4	HN 3/4 HVY	A563DH		(2) HDG	25-7
1h3	4	FW 3/4	F436		(2) HDG	27-7
1h4	4	MI 3/4 CEM CAP	F436		(2) RAWL #6505	

NOTE: ALL MATERIALS SPECIFICATION DESCRIPTIONS ARE ASTM, UNLESS OTHERWISE NOTED.

GENERAL NOTES

ALL MATERIALS, CONSTRUCTION AND DESIGN SHALL CONFORM TO THE STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATION FOR CONSTRUCTION, DATED 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION DATED 2002, AND ITS LATEST REVISION.

WELDING SHALL MEET THE REQUIREMENTS OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE AS MODIFIED BY STANDARD SPECIFICATIONS.

STEEL SHALL CONFORM TO AASHTO M270 GR.36 (ASTM A36) (U.N.O.).
STEEL TUBING SHALL BE ASTM-A500, GR.B.

DOWNSPOUTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-123 AFTER FABRICATION.
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 IN ACCORDANCE WITH ASTM-A760.

HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153 (AASHTO M232).

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332

4201 NOREX DRIVE
CHASKA, MINNESOTA 55318
952.368.3000
FAX: 952.448.7000

DSBROWN.COM

LOCATION — GRANITE STREET OVER STEVENS BRANCH OF THE WINOOSKI RIVER
BRIDGE — 11
PROJECT — HDP 9281 (1)
CITY — BARRE
P.O. NO. — C-1455
DESIGNER — VERMONT D.O.T.
CUSTOMER — WINTERSET INC.

ITEM	QUANTITY

DESCRIPTION:
DOWNSPOUT
COUNTY OF WASHINGTON, VERMONT

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	SHEET
N.T.S.	T.BOWERS	T.ELLER	11-8-04	1 OF 1
PROJECT NUMBER:	PRODUCT CODE	RELEASE	SHEET	
12550	1234		1	

084 DS