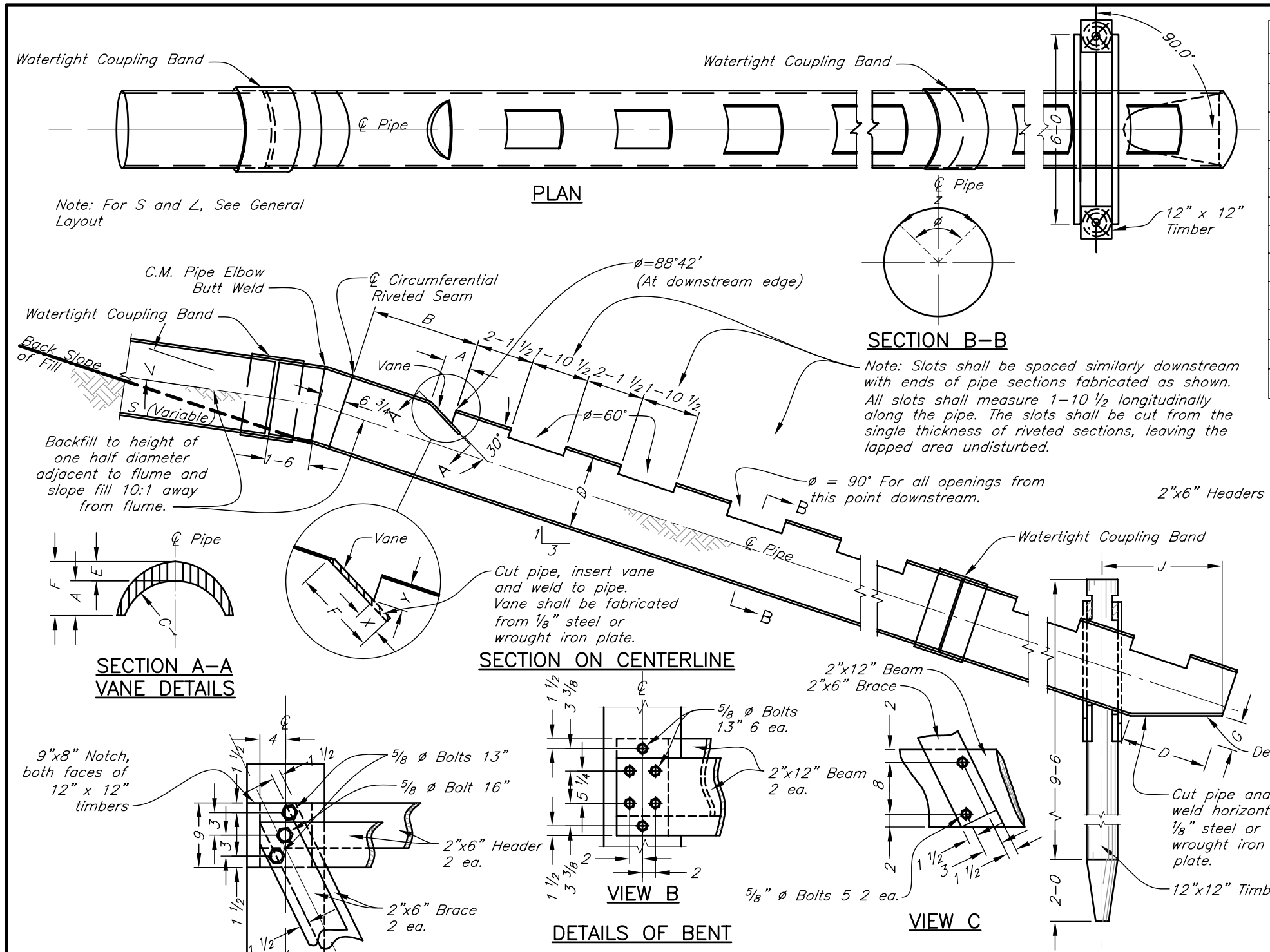

FLUME DIMENSIONS					
D	18	21	24	30	36
A	4 1/2	5 1/2	6	7 1/2	9
B	1-11 1/4	1-11 1/4	1-11 1/4	3-11 1/4	3-11 1/4
C	7 1/4	8 3/4	9 5/8	1-0	1-2 3/8
E	2 1/4	2 5/8	3	3 3/4	4 1/2
F	6 3/4	7 7/8	9	11 1/4	1-1 1/2
G	6	7	8	10	1-0
X	01 1/2	0-1 3/4	0-2 1/8	0-2 5/8	0-3 3/8
Y	0-2 5/8	0-3	0-3 1/2	0-4 3/8	0-5 1/4
Z(ø=88°42')	1-1 7/8	1-4 1/4	1-6 5/8	1-11 1/4	2-3 7/8
Z(ø=60°)	0-9 3/8	0-11	1-0 5/8	1-3 3/4	1-6 7/8
Z(ø=90°)	1-2 1/8	1-4 1/2	1-6 7/8	1-11 5/8	2-4 1/4

Notes:

Round timbers may be substituted for 12" x 12" timbers.

Round timbers shall conform to the requirements of ASTM D 25. The minimum circumference 3 feet from the butt shall be 38 inches.

Round timbers shall be treated in accordance with the requirements of ASTM D 1760.

Steel Strap shall be painted in accordance with Construction Specification 82 or IA-81.

TIMBER SUPPORT DIMENSIONS (APPROX.)					
D	18	21	24	30	36
H	2-6 1/2	2-9 1/2	3-0 1/2	3-7	4-1
I	4-7 1/2	4-10 1/2	5-1	5-5 1/2	5-8
J	4-5 7/8	4-5 1/8	4-4 1/2	4-3 1/4	4-2

BILL OF MATERIALS FOR TIMBER OUTLET SUPPORT					
ITEM	GRADE	REQD.	SIZE	LENGTH	TOT LIN. FT.
Timber	1400#f	2	12" x 12"	14-0	28-0
Headers	1400#f	2	2" x 6"	6-8	13-4
Beams	1400#f	2	2" x 12"	6-8	13-4
Braces	1200#f	4	2" x 6"	(See dimension in table)	
Bolts (Galv)		8	5/8" ø	5"	
Bolts (Galv)		16	5/8" ø	13"	
Bolts (Galv)		2	5/8" ø	16"	
Nuts (Galv)		26	5/8" ø		
Washers		52	5/8" ø		

STANDARD DWG. IA-1149

DATE July 2008 | SHEET 1 OF 1

Date

Designed

Drawn

Checked

Approved

DETAILS OF SLOTTED FLUME OUTLET WITH TIMBER SUPPORT 18" TO 36" DIAM. C.M. PIPE

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File No.

Drawing No.

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