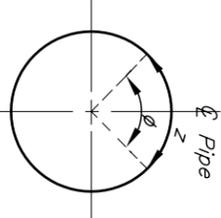


BILL OF MATERIALS FOR TIMBER OUTLET SUPPORT					
ITEM	D	15	18	21	24
12"x12" Timber, 12' Length, No.	1	2	2	2	2
Steel Strap 1/4"x4", Length	5'-6"	6'-2"	6'-10"	7'-6"	
Log Bolts, Galvanized, 1/2"x4", No.	4	4	4	4	4
Wire, Galvanized, #9, Length	-	33'	33'	33'	33'

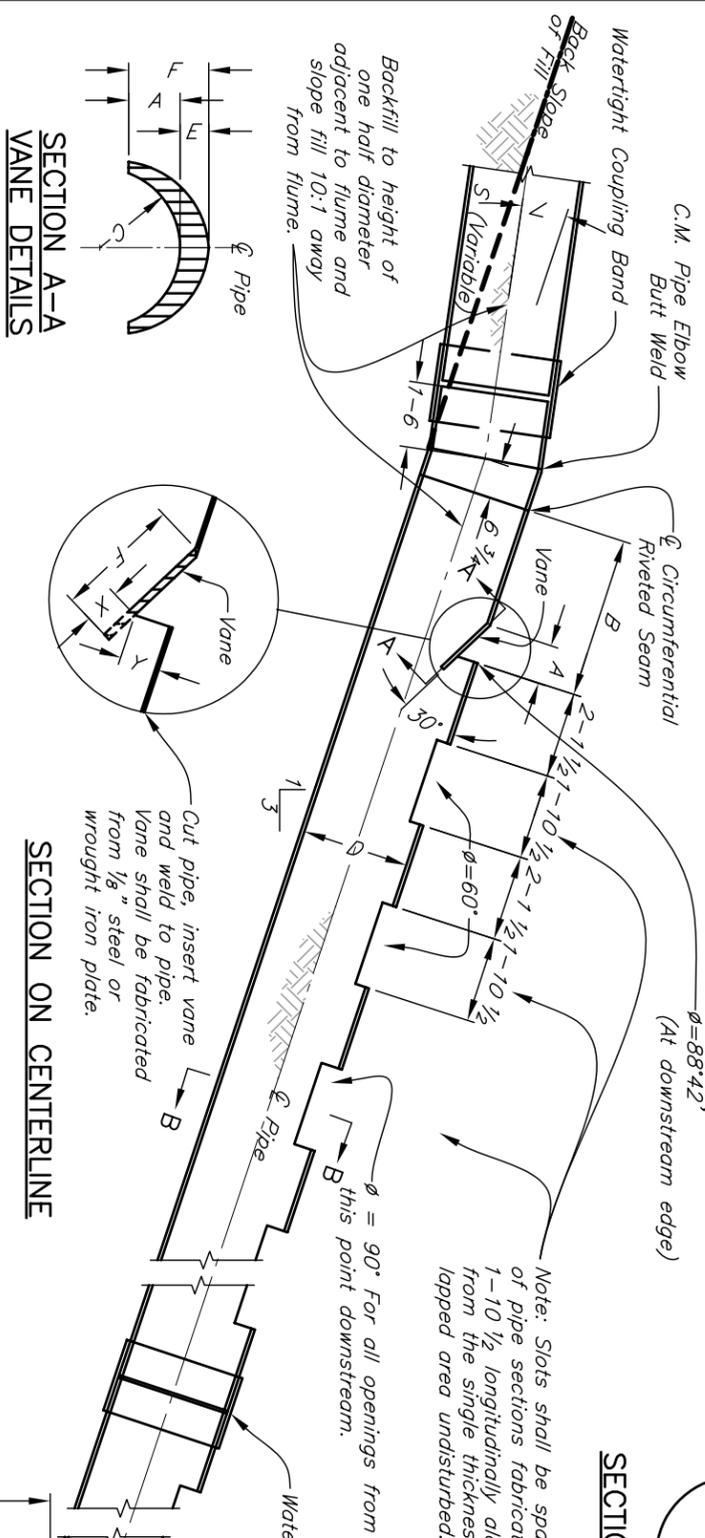
Note: For S and L, See General Layout

PLAN



SECTION B-B

Note: Slots shall be spaced similarly downstream with ends of pipe sections fabricated as shown. All slots shall measure 1-10 1/2 longitudinally along the pipe. The slots shall be cut from the single thickness of riveted sections, leaving the lapped area undisturbed.



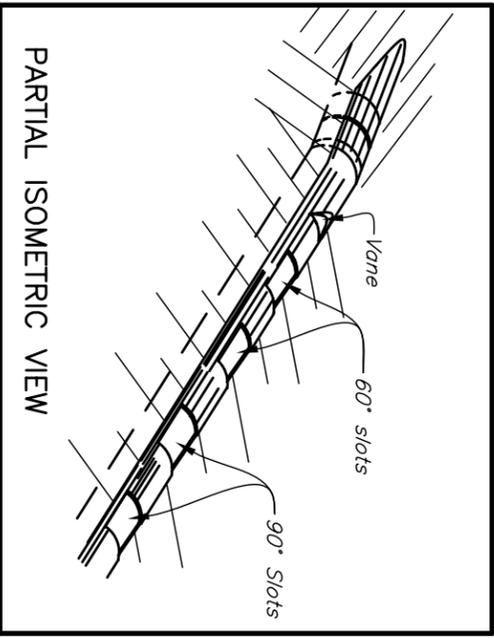
SECTION A-A VANE DETAILS

SECTION ON CENTERLINE

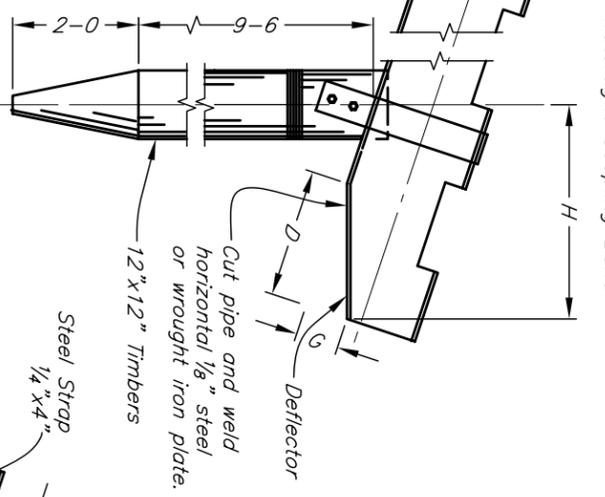
Cut pipe, insert vane and weld to pipe. Vane shall be fabricated from 1/8" steel or wrought iron plate.

FLUME DIMENSIONS

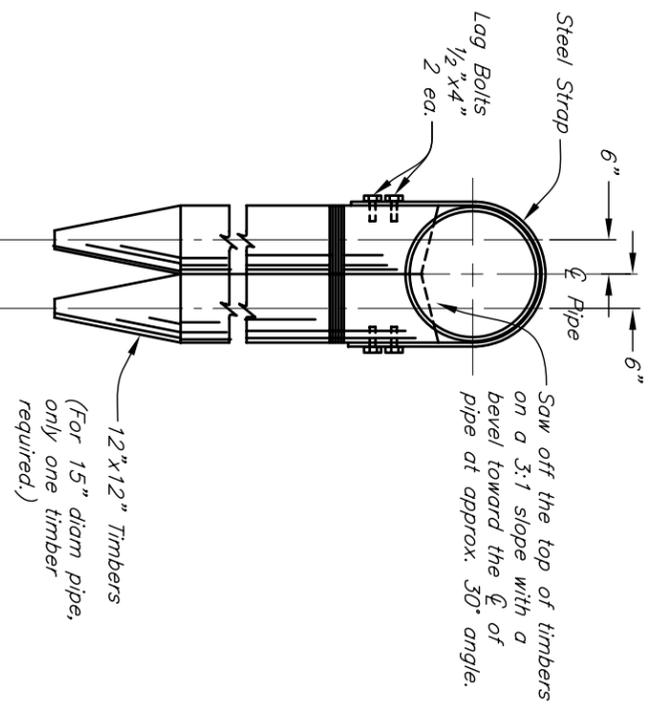
	D	15	18	21	24
A	3 3/4	4 1/2	5 1/4	6	
B	1-11 1/4	1-11 1/4	1-11 1/4	1-11 1/4	1-11 1/4
C	6	7 1/4	8 3/8	9 5/8	
E	1 7/8	2 1/4	2 5/8	3	
F	5 5/8	6 3/4	7 7/8	9	
G	5	6	7	8	
H	4-11 1/4	4-11 5/8	4-11 3/4	5-0 1/8	
X	0-1 1/4	0-1 1/2	0-1 3/4	0-2 1/8	
Y	0-2 1/8	0-2 5/8	0-3	0-3 1/2	
Z($\theta=88^{\circ}42'$)	0-11 5/8	1-1 7/8	1-4 1/4	1-6 5/8	
Z($\theta=60^{\circ}$)	0-7 7/8	0-9 3/8	0-11	1-0 5/8	
Z($\theta=90^{\circ}$)	0-11 3/4	1-2 1/8	1-4 1/2	1-6 7/8	



PARTIAL ISOMETRIC VIEW

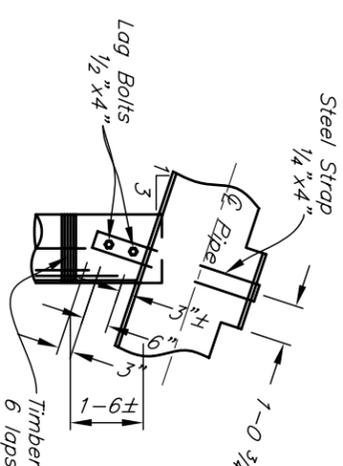


BENT ELEVATION
(Not to Scale)



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 1A-81.

STRAP DETAILS
(Not to Scale)



STANDARD DWG. 1A-1147

DATE July 2008 SHEET 1 OF 1



DETAILS OF SLOTTED FLUME OUTLET WITH TIMBER SUPPORT
15" TO 24" DIAM. C.M. PIPE

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

File No. _____
 Drawing No. _____
 Sheet _____ of _____