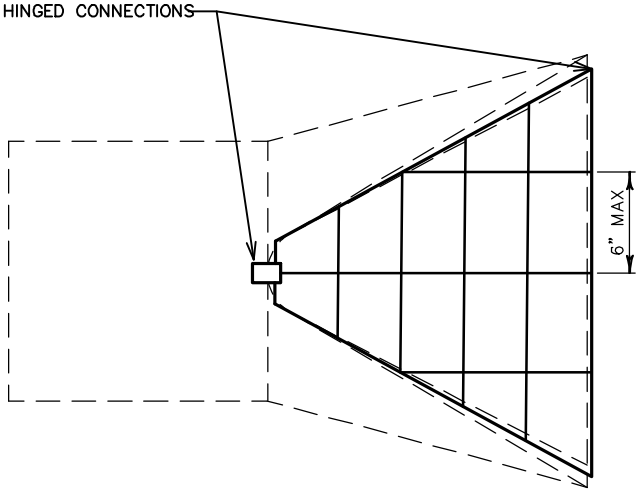
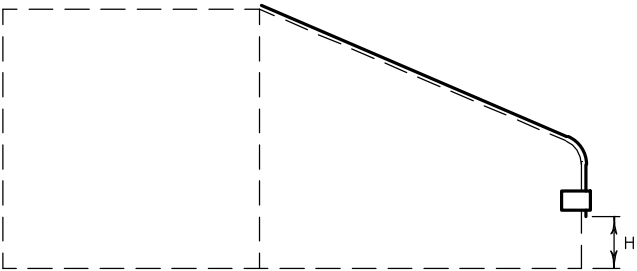
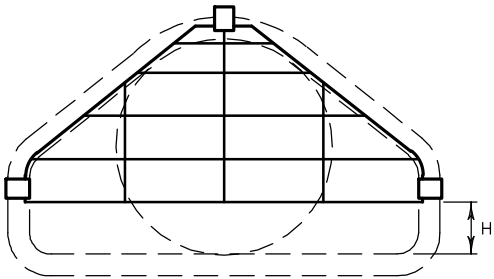




PLAN VIEW



SIDE VIEW



END VIEW

PIPE GRATE

NOTE TO DESIGNERS: When using this detail drawing, include STSP 611.010

GRATE CLEARANCE HEIGHT

12" ROUND PIPE		22" ARCH PIPE	
PIPE SIZE	H	PIPE SIZE	H
18"	2 1/2"	36"	5"
24"	3"	44"	6"
27"	4"	51"	7"
36"	5"	65"	
42"	6"	73"	
54"	7"	85"	
60"	8"		
72"			
78"			
90"			

GRATE BAR SIZES
(STANDARD DESIGN)

PIPE SIZE	HOLE DIAMETER REQUIRED	BOLT DIAMETER	BAR SIZE
12" - 24"			
27"	3/4"	5/8"	5/8"
36"	7/8"	3/4"	3/4"
42"	1 1/8"	1"	1"
48"	3/4"	5/8"	5/8"
54"	7/8"	3/4"	3/4"
60"	1 1/8"	1"	1"
66"	7/8"	5/8"	5/8"
72"	1"	3/4"	3/4"
78"	1 1/8"	1"	1"
84"	7/8"	5/8"	5/8"
90"	1"	3/4"	3/4"

BOLT LENGTH = PIPE WALL THICKNESS + 2 1/2"

100820