

ROUND PIPE - 2-2/3" X 1/2" CORRUGATION							
D (IN)	AREA (SQ. FT.)	MAXIMUM HEIGHT OF COVER (FT.)					MIN. HEIGHT OF COVER (FT.)
		SHEET THICKNESS IN INCHES (GAGE)					
		0.060 (16)	0.075 (14)	0.105 (12)	0.135 (10)	0.164 (8)	
12	0.8	90	100+	NA	NA	NA	SEE DWG 703
15	1.2	72	90	NA	NA	NA	
18	1.8	59	75	100+	NA	NA	
21	2.4	52	65	92	NA	NA	
24	3.1	44	56	79	NA	NA	
30	4.9	NS	44	63	NA	NA	
36	7.1	NS	NS	52	68	NA	
42	9.6	NS	NS	NS	58	NA	
48	12.6	NS	NS	NS	NS	61	
54	15.9	NS	NS	NS	NS	NS	
60	19.6	NS	NS	NS	NS	NS	
66	23.8	NS	NS	NS	NS	NS	
72	28.3	NS	NS	NS	NS	NS	

ROUND PIPE - 3" X 1" CORRUGATION							
D (IN)	AREA (SQ. FT.)	MAXIMUM HEIGHT OF COVER (FT.)					MIN. HEIGHT OF COVER (FT.)
		SHEET THICKNESS IN INCHES (GAGE)					
		0.060 (16)	0.075 (14)	0.105 (12)	0.135 (10)	0.164 (8)	
36	7.1	33	42	60	NA	NA	SEE DWG 703
42	9.6	28	36	51	NA	NA	
48	12.6	24	31	45	58	NA	
54	15.9	NS	28	39	51	NA	
60	19.6	NS	24	35	46	NA	
66	23.8	NS	NS	32	42	51	
72	28.3	NS	NS	29	38	47	
78	33.2	NS	NS	NS	35	43	
84	38.5	NS	NS	NS	32	40	
90	44.2	NS	NS	NS	30	37	
96	50.3	NS	NS	NS	NS	34	
102	56.7	NS	NS	NS	NS	32	
108	63.6	NS	NS	NS	NS	NS	
114	70.9	NS	NS	NS	NS	NS	
120	78.5	NS	NS	NS	NS	NS	

PIPE ARCH - 2-2/3" X 1/2" CORRUGATION							
SPAN (IN)	RISE (IN)	EQUIV. ROUND PIPE (IN)	AREA (SQ. FT.)	MINIMUM SHEET THICKNESS REQUIRED (IN) (GA)	MAXIMUM HEIGHT OF COVER (FT)		MIN. HEIGHT OF COVER (FT.)
					MAXIMUM CORNER PRESSURE-LBS/SQ.FT		
					4000	6000	
17	13	15	1.1	.060 (16)	12	15	SEE DWG 703
21	15	18	1.6	.060 (16)	10	14	
24	18	21	2.2	.060 (16)	7	13	
28	20	24	2.9	.075 (14)	5	11	
35	24	30	4.5	.105 (12)	NS	7	
42	29	36	6.5	.105 (12)	NS	7	
49	33	42	8.9	.135 (10)	NS	6	
57	38	48	11.6	.164 (8)	NS	8	
64	43	54	14.7	.164 (8)	NS	9	
71	47	60	18.1	.164 (8)	NS	10	
77	52	66	21.9	.164 (8)	NS	10	
83	57	72	26.0	.164 (8)	NS	10	

PIPE ARCH - 3" X 1" AND 5" X 1" CORRUGATION							
SPAN (IN)	RISE (IN)	EQUIV. ROUND PIPE (IN)	AREA (SQ. FT.)	MINIMUM SHEET THICKNESS REQUIRED (IN) (GA)	MAXIMUM HEIGHT OF COVER (FT)		MIN. HEIGHT OF COVER (FT.)
					MAXIMUM CORNER PRESSURE-LBS/SQ.FT		
					4000	6000	
40	31	36	7.0	.075 (14)	8	12	SEE DWG 703
46	36	42	9.4	.075 (14)	8	13	
53	41	48	12.3	.075 (14)	8	13	
60	46	54	15.6	.075 (14)	8	13	
66	51	60	19.3	.075 (14)	8	13	
73	55	66	23.2	.105 (12)	11	16	
81	59	72	27.4	.105 (12)	11	17	
87	63	78	32.1	.135 (10)	10	16	
95	67	84	37.0	.135 (10)	11	17	
103	71	90	42.4	.135 (10)	10	15	
112	75	96	48.0	.164 (8)	10	16	
117	79	102	54.2	.164 (8)	10	15	

NA - NOT AVAILABLE  
 LA - LIMITED AVAILABILITY  
 NS - NOT APPROVED (FOR HIGHWAY H-20 LOADINGS)

