



OPENING		DIMENSIONS					QUANTITIES	
PIPE DIA. D	AREA SQ. FT.	ENDWALL			WING		1- ENDWALL 2- WINGS	
		L	B	H	W	K	CONC. C. Y.	STEEL LBS.
12"	0.79	2'-0"	9"	1'-8"	1'-0"	6"	.31	29
15"	1.23	2'-3"	9"	2'-0"	1'-5"	6"	.41	31
18"	1.77	2'-6"	9"	2'-3"	1'-10"	6"	.50	41
21"	2.40	2'-9"	9"	2'-6"	2'-3"	6"	.65	49
24"	3.14	3'-6"	12"	2'-11"	2'-9"	9"	1.05	53
27"	3.98	3'-9"	12"	3'-3"	3'-2"	9"	1.18	70
30"	4.91	4'-0"	12"	3'-6"	3'-7"	9"	1.43	73
33"	5.94	4'-3"	12"	3'-9"	4'-0"	9"	1.65	93
36"	7.07	4'-6"	12"	4'-0"	4'-4"	9"	1.86	104
42"	9.62	5'-6"	12"	4'-7"	5'-2"	12"	2.70	126
48"	12.57	6'-0"	12"	5'-1"	6'-0"	12"	3.15	155
54"	15.90	6'-6"	12"	5'-7"	6'-9"	12"	3.74	187
60"	19.64	7'-0"	12"	6'-1"	7'-7"	12"	4.52	218

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PIPE DIA. D	AREA SQ. FT.	ENDWALL			WING		1- ENDWALL 2- WINGS	
		L	B	H	W	K	CONC. C. Y.	STEEL LBS.
12"	0.79	2'-0"	9"	1'-7"	1'-4"	6"	.33	34
15"	1.23	2'-3"	9"	1'-11"	1'-11"	6"	.44	37
18"	1.77	2'-6"	9"	2'-2"	2'-5"	6"	.57	53
21"	2.40	2'-9"	9"	2'-5"	3'-0"	6"	.70	62
24"	3.14	3'-6"	12"	2'-9"	3'-8"	9"	1.16	71
27"	3.98	3'-9"	12"	3'-1"	4'-2"	9"	1.36	81
30"	4.91	4'-0"	12"	3'-4"	4'-9"	9"	1.54	91
33"	5.94	4'-3"	12"	3'-6"	5'-3"	9"	1.82	104
36"	7.07	4'-6"	12"	3'-10"	5'-10"	9"	2.03	116
42"	9.62	5'-6"	12"	4'-5"	6'-11"	12"	3.14	141
48"	12.57	6'-0"	12"	4'-11"	8'-0"	12"	3.90	174
54"	15.90	6'-6"	12"	5'-5"	9'-2"	12"	4.76	240
60"	19.64	7'-0"	12"	5'-11"	10'-2"	12"	5.64	306

QUANTITIES FOR ESTIMATING PURPOSES ONLY

SPECIFICATION 305	CATEGORY CODE ITEMS
APPROVED	<i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT
	APPROVAL • SHA REVISIONS
	APPROVAL 8-28-86
	REVISED 10-1-01
	REVISED
APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	APPROVAL 12-12-86
REVISED	REVISED
REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STANDARD TYPE G ENDWALL
METAL OR CONCRETE ROUND PIPE

STANDARD NO. MD 360.01