

OPENING		DIMENSIONS										QUANTITIES	
D	AREA	A	B	C	E	L	H	W	X	Z	P	CONC	STEEL
INCHES	SQ FT											CY	LBS
15	1.23	12"	1'-0"	1'-6"	3'-6"	2'-0"	4'-0"	3'-0"	5'-0"	2'-7"	3'-5"	3.13	228
18	1.78	12"	1'-3"	1'-10"	4'-1"	2'-3"	4'-0"	3'-6"	6'-0"	3'-0"	3'-7"	3.99	284
21	2.41	12"	1'-3"	1'-10"	4'-1"	2'-7"	4'-3"	4'-0"	7'-0"	3'-6"	3'-11"	4.66	322
24	3.14	12"	1'-3"	1'-10"	4'-1"	3'-0"	4'-6"	4'-6"	8'-0"	3'-11"	4'-2"	5.35	367
27	4.42	12"	1'-3"	1'-10"	4'-1"	3'-3"	4'-10"	5'-0"	9'-2"	4'-4"	4'-5"	6.09	408
30	4.91	12"	1'-6"	2'-2"	4'-8"	3'-6"	5'-1"	5'-6"	10'-4"	4'-9"	4'-7"	7.37	517
33	6.60	12"	1'-6"	2'-2"	4'-8"	3'-9"	5'-6"	6'-0"	11'-4"	5'-4"	4'-10"	8.03	561
36	7.07	12"	1'-6"	2'-2"	4'-8"	4'-0"	6'-0"	6'-6"	12'-4"	5'-8"	5'-0"	8.76	620
42	9.62	12"	1'-10"	2'-2"	5'-4"	4'-6"	6'-6"	7'-6"	14'-8"	6'-6"	5'-5"	11.20	765
48	12.57	12"	1'-10"	2'-6"	5'-4"	5'-0"	6'-8"	8'-3"	16'-8"	7'-2"	5'-10"	12.95	841



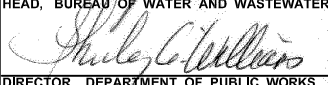
NOTE: QUANTITIES IN TABLE TO BE USED FOR ESTIMATING ONLY

TYPE 'F' ENDWALL 2:1 SLOPE

OPENING		DIMENSIONS										QUANTITIES	
D	AREA	A	B	C	E	L	H	W	X	Z	P	CONC	STEEL
INCHES	SQ FT											CY	LBS
15	1.23	12"	1'-0"	1'-6"	3'-6"	2'-0"	3'-11"	2'-6"	2'-6"	2'-2"	3'-5"	2.30	186
18	1.78	12"	1'-3"	1'-10"	4'-1"	2'-3"	4'-2"	3'-0"	3'-0"	2'-7"	3'-7"	2.94	213
21	2.41	12"	1'-3"	1'-10"	4'-1"	2'-7"	4'-6"	3'-6"	3'-6"	3'-0"	3'-10"	3.44	260
24	3.14	12"	1'-3"	1'-10"	4'-1"	3'-0"	4'-9"	4'-0"	4'-0"	3'-5"	4'-1"	3.96	285
27	4.42	12"	1'-3"	1'-10"	4'-1"	3'-3"	5'-0"	4'-4"	4'-7"	3'-9"	4'-4"	4.41	310
30	4.91	12"	1'-6"	2'-2"	4'-8"	3'-6"	5'-4"	4'-8"	5'-2"	4'-1"	4'-6"	5.23	395
33	6.60	12"	1'-6"	2'-2"	4'-8"	3'-9"	5'-7"	5'-0"	5'-8"	4'-4"	4'-8"	5.70	431
36	7.07	12"	1'-6"	2'-2"	4'-8"	4'-0"	5'-10"	5'-4"	6'-2"	4'-7"	4'-10"	6.15	455
42	9.62	12"	1'-10"	2'-2"	5'-4"	4'-6"	6'-5"	6'-4"	7'-4"	5'-6"	5'-2"	7.86	538
48	12.57	12"	1'-10"	2'-6"	5'-4"	5'-0"	6'-11"	7'-0"	8'-4"	6'-1"	5'-6"	8.92	614

NOTE: QUANTITIES IN TABLE TO BE USED FOR ESTIMATING ONLY

TYPE 'F' ENDWALL 4:1 SLOPE

	APPROVED:	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS BUREAU OF WATER AND WASTEWATER	ISSUED	REVISED	REVISED
	 HEAD, BUREAU OF WATER AND WASTEWATER		3 / 2008		
	 DIRECTOR, DEPARTMENT OF PUBLIC WORKS	TYPE 'F' ENDWALL CIRCULAR AND ELLIPTICAL PIPE TABLES	STANDARD NO. BC 358.02		