Design no.	Clear Span	Clear Height	DIMENSIONS – WINGS A1	A2	B1	B2	C1	C2	D	E1	E2	F
1	9'-6"	4'-6"	11'-10"	7'-11"	2'-11½"	3'-11¼"	3'-6"	2'-6¼"	5'-2"	17'-1¾"	9'11"	31'-2⅝"
2	9'-6"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11¼"	4'-8"	3'-6¼"	5'-9"	20'-4¾"	11'-10"	31'-2⅝"
3	9'-6"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-4¼"	3'-10½"	6'-4"	23'-8¾"	14'-2"	31'-2⅝"
4	9'-6"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-0½"	4'-2¾"	6'-11"	26'-11¾"	16'-5"	31'-2⅝"
5	11'-0"	4'-6"	11'-10"	7'-11"	2'-11½"	3'-11¼"	3'-6½"	2'-6¾"	5'-2"	17'-1¾"	9'11"	36'-5"
6	11'-0"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11¼"	4'-8½"	3'-6¾"	5'-9"	20'-4¾"	11'-10"	36'-5"
7	11'-0"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-4¾"	3'-11"	6'-4"	23'-8¾"	14'-2"	36'-5"
8	11'-0"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-1½"	4'-3¾"	6'-11"	26'-11¾"	16'-5"	36'-5"
9	11'-0"	11'-0"	24'-11"	16'-5"	6'-3"	8'-2½"	6'-9"	4'-9½"	7'-6"	30'-2¾"	18'-5"	36'-5"
10	13'-0"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11¼"	4'-8¾"	3'-7"	5'-9"	20'-4¾"	11'-10"	43'-4⅛"
11	13'-0"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-5"	3'-11¼"	6'-4"	23'-8¾"	14'-2"	43'-4⅛"
12	13'-0"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-1¼"	4'-3½"	6'-11"	26'-11¾"	16'-5"	43'-4⅛"
13	13'-0"	11'-0"	24'-11"	16'-5"	6'-3"	8'-2½"	6'-9¾"	4'-9¾"	7'-6"	30'-2¾"	18'-5"	43'-4⅛"
14	13'-0"	13'-0"	28'-3"	18'-9"	7'-0¾"	9'-4¼"	7'-1½"	5'-8"	8'-0"	33'-6¾"	20'-9"	43'-4⅛"
15	14'-6"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11¼"	4'-9¼"	3'-7½"	5'-9"	20'-4¾"	11'-10"	48'-6½"
16	14'-6"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-5½"	3'-11¾"	6'-4"	23'-8¾"	14'-2"	48'-6½"
17	14'-6"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-1¾"	4'-4"	6'-11"	26'-11¾"	16'-5"	48'-6½"
18	14'-6"	11'-0"	24'-11"	16'-5"	6'-3"	8'-2½"	6'-9¾"	4'-10¼"	7'-6"	30'-2¾"	18'-5"	48'-6½"
19	14'-6"	13'-0"	28'-3"	18'-9"	7'-0¾"	9'-4¼"	8'-0"	5'-8½"	8'-0"	33'-6¾"	20'-9"	48'-6½"
20	14'-6"	14'-6"	31'-6"	21'-0"	7'-10½"	10'-6"	8'-8¼"	6'-0¾"	8'-7"	36'-9¾"	23'-0"	48'-6½"

Design no.	TWO LONG WINGS – REINFORCING: 6 D1 BARS NO	SIZE	LENGTH	D2 BARS NO	SIZE	LENGTH	6 D3 BARS NO	SIZE	LENGTH	D4 BARS NO	SIZE	LENGTH	D5 BARS NO	SIZE	LENGTH	D6 BARS NO	SIZE	LENGTH	4 E1 BARS NO	SIZE	LENGTH	E2 BARS NO	SIZE	LENGTH	E3 BARS NO	SIZE	LENGTH	F1 BARS NO	SIZE	LENGTH	24 F2 BARS NO	SIZE	LENGTH	G BARS NO	SIZE	LENGTH
1	6' - 3"	24	3' - 4" to 6' - 1"	84	6' - 3"	24	84	3' - 4" to 6' - 1"	28	84	5' - 11"	60	84	3' - 8"	13' - 11"	8	4' - 11" to 8' - 11"	16	13' - 6"	48	2' - 10" to 4' - 8"	4' - 10"	20	14' - 6"	16	13' - 6"	48	2' - 10" to 4' - 8"	4' - 10"	20	14' - 6"					
2	8' - 3"	30	4' - 6" to 8' - 0"	84	8' - 3"	30	84	4' - 6" to 8' - 0"	34	84	7' - 1"	72	84	3' - 8"	17' - 3"	12	4' - 3" to 12' - 3"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"					
3	9' - 9"	38	5' - 2" to 9' - 8"	84	9' - 9"	38	84	5' - 2" to 9' - 8"	42	84	7' - 8"	88	84	3' - 8"	20' - 8"	16	3' - 6" to 15' - 6"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"					
4	11' - 3"	44	5' - 10" to 11' - 1"	84	11' - 3"	44	84	5' - 10" to 11' - 1"	48	84	8' - 5"	100	84	4' - 1"	24' - 0"	20	2' - 9" to 18' - 9"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"					
5	6' - 4"	24	3' - 4" to 6' - 1"	84	6' - 4"	24	84	3' - 4" to 6' - 1"	28	84	5' - 11"	60	84	3' - 8"	13' - 11"	8	4' - 11" to 8' - 11"	16	13' - 6"	48	2' - 10" to 4' - 8"	4' - 10"	20	14' - 6"	16	13' - 6"	48	2' - 10" to 4' - 8"	4' - 10"	20	14' - 6"					
6	8' - 4"	30	4' - 6" to 8' - 1"	84	8' - 4"	30	84	4' - 6" to 8' - 1"	34	84	7' - 1"	72	84	3' - 8"	17' - 3"	12	4' - 3" to 12' - 3"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"					
7	9' - 10"	38	5' - 3" to 9' - 9"	84	9' - 10"	38	84	5' - 3" to 9' - 9"	42	84	7' - 9"	88	84	3' - 8"	20' - 8"	16	3' - 6" to 15' - 6"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"					
8	11' - 4"	44	5' - 11" to 11' - 2"	84	11' - 4"	44	84	5' - 11" to 11' - 2"	48	84	8' - 6"	100	84	4' - 1"	24' - 0"	20	2' - 9" to 18' - 9"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"					
9	12' - 10"	50	6' - 7" to 12' - 7"	86	12' - 10"	50	86	6' - 7" to 12' - 7"	54	86	9' - 2"	112	86	4' - 7"	27' - 5"	24	2' - 1" to 22' - 0"	28	26' - 7"	100	2' - 10" to 7' - 0"	7' - 2"	24	27' - 7"	28	26' - 7"	100	2' - 10" to 7' - 0"	7' - 2"	24	27' - 7"					
10	8' - 4"	30	4' - 7" to 8' - 1"	84	8' - 4"	30	84	4' - 7" to 8' - 1"	34	84	7' - 1"	72	84	3' - 8"	17' - 3"	12	4' - 3" to 12' - 3"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"					
11	9' - 10"	38	5' - 3" to 9' - 9"	84	9' - 10"	38	84	5' - 3" to 9' - 9"	42	84	7' - 10"	88	84	3' - 8"	20' - 8"	16	3' - 6" to 15' - 6"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"					
12	11' - 4"	44	5' - 11" to 11' - 2"	84	11' - 4"	44	84	5' - 11" to 11' - 2"	48	84	8' - 6"	100	84	4' - 1"	24' - 0"	20	2' - 9" to 18' - 9"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"					
13	12' - 10"	50	6' - 7" to 12' - 7"	86	12' - 10"	50	86	6' - 7" to 12' - 7"	54	86	9' - 2"	112	86	4' - 7"	27' - 5"	24	2' - 1" to 22' - 0"	28	26' - 7"	100	2' - 10" to 7' - 0"	7' - 2"	24	27' - 7"	28	26' - 7"	100	2' - 10" to 7' - 0"	7' - 2"	24	27' - 7"					
14	14' - 10"	58	7' - 9" to 14' - 9"	87	14' - 10"	58	87	7' - 9" to 14' - 9"	62	87	10' - 4"	128	87	5' - 4"	30' - 10"	24	5' - 4" to 26' - 4"	32	29' - 11"	116	2' - 10" to 7' - 7"	7' - 8"	28	30' - 11"	32	29' - 11"	116	2' - 10" to 7' - 7"	7' - 8"	28	30' - 11"					
15	8' - 4"	30	4' - 7" to 8' - 1"	84	8' - 4"	30	84	4' - 7" to 8' - 1"	34	84	7' - 2"	72	84	3' - 8"	17' - 3"	12	4' - 3" to 12' - 3"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"	20	16' - 9"	60	2' - 10" to 5' - 3"	5' - 5"	20	17' - 9"					
16	9' - 10"	38	5' - 3" to 9' - 9"	84	9' - 10"	38	84	5' - 3" to 9' - 9"	42	84	7' - 10"	88	84	3' - 8"	20' - 8"	16	3' - 6" to 15' - 6"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"	24	20' - 1"	76	2' - 10" to 5' - 11"	6' - 0"	20	21' - 1"					
17	11' - 4"	44	5' - 11" to 11' - 3"	84	11' - 4"	44	84	5' - 11" to 11' - 3"	48	84	8' - 6"	100	84	4' - 1"	24' - 0"	20	2' - 9" to 18' - 9"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"	28	23' - 4"	88	2' - 10" to 6' - 5"	6' - 7"	24	24' - 4"					
18	12' - 10"	50	6' - 8" to 12' - 8"	86	12' - 10"	50	86	6' - 8" to 12' - 8"	54	86	9' - 2"	112	86	4' - 7"	27' - 5"	24	2' - 1" to 22' - 0"	28	26' - 7"	100	2' - 10" to 7' - 0"	7' - 2"	24	27' - 7"	28	26' - 7"	100	2' - 10" to 7' - 0"	7' - 2"	24	27' - 7"					
19	14' - 10"	58	7' - 10" to 14' - 10"	87	14' - 10"	58	87	7' - 10" to 14' - 10"	62	87	10' - 5"	128	87	5' - 4"	30' - 10"	24	5' - 4" to 26' - 4"	32	29' - 11"	116	2' - 10" to 7' - 7"	7' - 8"	28	30' - 11"	32	29' - 11"	116	2' - 10" to 7' - 7"	7' - 8"	28	30' - 11"					
20	16' - 4"	64	8' - 6" to 16' - 3"	88	16' - 4"	64	88	8' - 6" to 16' - 3"	68	88	11' - 1"	140	88	6' - 3"	34' - 2"	28	4' - 7" to 28' - 7"	36	33' - 2"	128	2' - 10" to 8' - 2"	8' - 3"	28	34' - 2"	36	33' - 2"	128	2' - 10" to 8' - 2"	8' - 3"	28	34' - 2"					

Design no.	TWO SHORT WINGS – REINFORCING: 6 D1 BARS NO	SIZE	LENGTH	D2 BARS NO	SIZE	LENGTH	6 D3 BARS NO	SIZE	LENGTH	D4 BARS NO	SIZE	LENGTH	D5 BARS NO	SIZE	LENGTH	D6 BARS NO	SIZE	LENGTH	4 E1 BARS NO	SIZE	LENGTH	E2 BARS NO	SIZE	LENGTH	E3 BARS NO	SIZE	LENGTH	F1 BARS NO	SIZE	LENGTH	16 F2 NO	SIZE	LENGTH	G BARS NO	SIZE	LENGTH
1	6' - 3"	16	2' - 5" to 5' - 10"	84	6' - 3"	16	84	2' - 5" to 5' - 10"	20	84	5' - 11"	52	84	3' - 8"	10' - 6"	12	3' - 4" to 7' - 4"	12	9' - 7"	32	2' - 10" to 4' - 7"	4' - 10"	20	9' - 7"	67' - 5"	66' - 7"	132	130	38' - 7"	80	41.5	3920	1
2	8' - 3"	20	3' - 5" to 7' - 11"	84	8' - 3"	20	84	3' - 5" to 7' - 11"	24	84	5' - 11"	52	84	3' - 8"	12' - 8"	16	3' - 3" to 9' - 3"	16	11' - 6"	40	2' - 10" to 5' - 2"	5' - 5"	20	11' - 6"	72' - 7"	71' - 9"	142	140	38' - 7"	80	52.0	4720	2
3	9' - 9"	24	3' - 9" to 9' - 3"	84	9' - 9"	24	84	3' - 9" to 9' - 3"	28	84	6' - 3"	60	84	3' - 8"	15' - 3"	20	3' - 7" to 11' - 7"	16	13' - 10"	48	2' - 10" to 5' - 6"	6' - 0"	20	13' - 10"	78' - 3"	77' - 5"	152	152	38' - 7"	80	63.4	5600	3
4	11' - 3"	30	4' - 1" to 11' - 1"	85	11' - 3"	30	85	4' - 1" to 11' - 1"	34	85	6' - 7"	72	84	3' - 8"	20' - 8"	24	1' - 11" to 13' - 10"	20	16' - 1"	60	2' - 10" to 6' - 6"	6' - 6"	24	16' - 1"	83' - 9"	82' - 11"	164	162	38' - 7"	80	75.8	7540	4
5	8' - 4"	20	3' - 5" to 7' - 11"	84	8' - 4"	20	84	3' - 5" to 7' - 11"	24	84	5' - 11"	52	84	3' - 8"	12' - 8"	16	3' - 3" to 9' - 3"	16	11' - 6"	40	2' - 10" to 5' - 2"	5' - 5"	20	11' - 6"	72' - 7"	71' - 9"	142	140	43' - 9"	90	43.4	4100	5
6	9' - 10"	24	3' - 9" to 9' - 3"	84	9' - 10"	24	84	3' - 9" to 9' - 3"	28	84	6' - 4"	60	84	3' - 8"	15' - 3"	20	3' - 7" to 11' - 7"	16	13' - 10"	48	2' - 10" to 5' - 6"	6' - 0"	20	13' - 10"	83' - 5"	82' - 7"	164	162	43' - 9"	90	65.3	5800	7
7	11' - 4"	30	4' - 1" to 11' - 2"	85	11' - 4"	30	85	4' - 1" to 11' - 2"	34	85	6' - 7"	72	84	3' - 8"	20' - 8"	24	1' - 11" to 13' - 10"	20	16' - 1"	60	2' - 10" to 6' - 6"	6' - 6"	24	16' - 1"	88' - 11"	88' - 1"	174	172	43' - 9"	90	77.7	7740	8
8	12' - 10"	34	4' - 8" to 12' - 8"	86	12' - 10"	34	86	4' - 8" to 12' - 8"	38	86	7' - 2"	80	86	4' - 7"	20' - 1"	32	1' - 10" to 15' - 10"	20	18' - 1"	68	2' - 10" to 7' - 1"	7' - 2"	24	18' - 1"	94' - 2"	93' - 4"	184	184	43' - 9"	90	91.2	10090	9
9	14' - 10"	38	5' - 6" to 14' - 6"	87	14' - 10"	38	87	5' - 6" to 14' - 6"	42	87	8' - 1"	88	87	5' - 4"	22' - 8"	36	2' - 2" to 18' - 2"	24	20' - 5"	76	2' - 10" to 7' - 6"	7' - 8"	28	20' - 5"	106' - 9"	105' - 11"	210	208	50' - 8"	104	110.4	14350	14
10	8' - 4"	24	3' - 6" to 8' - 0"	84	8' - 4"	24	84	3' - 6" to 8' - 0"	28	84	6' - 0"	52	84	3' - 8"	12' - 8"	16	3' - 3" to 9' - 3"	16	11' - 6"	40	2' - 10" to 5' - 2"	5' - 5"	20	11' - 6"	89' - 11"	89' - 1"	176	174	55' - 11"	114	58.2	5350	15
11	9' - 10"	24	3' - 10" to 9' - 4"	84	9' - 10"	24	84	3' - 10" to 9' - 4"	28	84	6' - 4"	60	84	3' - 8"	15' - 3"	20	3' - 7" to 11' - 7"	16	13' - 10"	48	2' - 10" to 5' - 6"	6' - 0"	20	13' - 10"	95' - 7"	94' - 9"	188	186	55' - 11"	114	69.6	6240	16
12	11' - 4"	30	4' - 2" to 11' - 3"	84	11' - 4"	30	84	4' - 2" to 11' - 3"	34	85	6' - 7"	72	84	3' - 8"	20' - 8"	24	1' - 11" to 13' - 10"	20	16' - 1"	60	2' - 10" to 6' - 6"	6' - 6"	24	16' - 1"	101' - 1"	100' - 3"	198	196	55' - 11"	114	82.1	8190	17
13	12' - 10"	34	4' - 8" to 12' - 8"	86	12' - 10"	34	86	4' - 8" to 12' - 8"	38	86	7' - 2"	80	86	4' - 7"	20' - 1"	32	1' - 10" to 15' - 10"	20	18' - 1"	68	2' - 10" to 7' - 1"	7' - 2"	24	18' - 1"	106' - 4"	105' - 6"	210	208	55' - 11"	114	95.6	10560	18
14	14' - 10"	38	5' - 6" to 14' - 6"	87	14' - 10"	38	87	5' - 6" to 14' - 6"	42	87	8' - 1"	88	87	5' - 4"	22' - 8"	36	2' - 2" to 18' - 2"	24	20' - 5"	76	2' - 10" to 7' - 6"	7' - 8"	28	20' - 5"	112' - 0"	111' - 2"	220	218	55' - 11"	114	112.4	14570	19
15	16' - 4"	64	8' - 6" to 16' - 3"	88	16' - 4"	64	88	8' - 6" to 16' - 3"	68	88	11' - 1"	140	88	6' - 3"	34' - 2"	28	4' - 7" to 28' - 7"	36	33' - 2"	128	2' - 10" to 8' - 2"	8' - 3"	28	34' - 2"	117' - 6"	116' - 8"	232	230	55' - 11"	114	128.6	19460	20

Design no.	TWO CURTAIN WALLS – REINFORCING: 8 CW1 BARS LENGTH	NO	8 CW2 BARS LENGTH	NO	CW3 BARS LENGTH	NO.	CW4 BARS LENGTH	NO.	TWO CURBS REINF. 4 H1 BARS LENGTH	NO.	H2 BARS LENGTH	NO.	QUANTITIES* CONC. (CY)	REINF. (LBS)	Design no.
1	67' - 5"	66' - 7"	132	130	38' - 7"	80	41.5	3920	1
2	72' - 7"	71' - 9"	142	140	38' - 7"	80	52.0	4720	2
3	78' - 3"	77' - 5"	152	152	38' - 7"	80	63.4	5600	3
4	83' - 9"	82' - 11"	164	162	38' - 7"	80	75.8	7540	4
5	72' - 7"	71' - 9"	142	140	43' - 9"	90	43.4	4100	5
6	77' - 9"	76' - 11"	152	150	43' - 9"	90	53.9	4910	6
7	83' - 5"	82' - 7"	164	162	43' - 9"	90	65.3	5800	7
8	88' - 11"	88' - 1"	174	172	43' - 9"	90	77.7	7740	8
9	94' - 2"	93' - 4"	184	184	43' - 9"	90	91.2	10090	9
10	84' - 8"	83' - 10"	166	164	50' - 8"	104	56.3	5160	10
11	90' - 4"	89' - 6"	178	176	50' - 8"	104	67.7	6060	11
12	95' - 0"	95' - 0"	188	186	50' - 8"	104	80.2	7980	12
13	101' - 1"	100' - 3"	198	196	50' - 8"	104	93.6	10330	13
14	106' - 9"	105' - 11"	210	208	50' - 8"	104	110.4	14350	14
15	89' - 11"	89' - 1"	176	174	55' - 11"	114	58.2	5350	15
16	95' - 7"	94' - 9"	188	186	55' - 11"	114	69.6	6240	16
17	101' - 1"	100' - 3"	198	196	55' - 11"	114	82.1	8190	17
18	106' - 4"	105' - 6"	210	208	55' - 11"	114	95.6	10560	18
19	112' - 0"	111' - 2"	220	218	55' - 11"	114	112.4	14570	19
20	117' - 6"	116' - 8"	232	230	55' - 11"	114	128.6	19460	20

REV. NO.	DESCRIPTION	DATE

REVISIONS

* Wing Quantities Include Wing footings, Curtain walls and Curbs.

DESIGN DATA

Class "A" Concrete f'c = 3000 psi
Reinforcing Steel (Grade 60) fy = 60000 psi
Loading: HS 20
Design: Load Factor Design

** Per Linear foot along ℄ Interior wall

Design no.	Clear Span	Clear Height	Bridge Length	DIMENSIONS – BARREL T1	T2	T3	V	A1 BARS SIZE	LENGTH	NO	A2 BARS SIZE	LENGTH	NO	A3 BARS SIZE	LENGTH	NO	A4 BARS SIZE	LENGTH	NO	A5 BARS SIZE	LENGTH	NO	A6 BARS SIZE	LENGTH	NO	A7 BARS SIZE	LENGTH	NO	A8 BARS SIZE	LENGTH	NO	B1 BARS SIZE	LENGTH	B2 BARS SIZE	LENGTH	B3 BARS SIZE	LENGTH	B4 BARS SIZE	LENGTH	C BARS NO	QUANTITIES ** CONC. (CY)	REINF. (LBS)	Design no.
1	9'-6"	4'-6"	37'-6½"	11½"	1'-0¾"	1'-0"	6'-6¼"	#6	33'-6"	85	#5	32'-2"	84	#4	32'-2"	86	#6	32'-2"	35	#6	2'-4" to 31'-9"	35	#5	1'-8" to 31'-1"	35	#4	1'-8" to 31'-1"	35	#6	1'-8" to 31'-1"	84	#4	5'-1"	85	6'-5"	#6	7'-4"	#4	3'-4"	137	3.10	537.150	1
2	9'-6"	6'-6"	37'-6"	11½"	1'-0¾"	1'-0"	8'-6¼"	#6	33'-6"	85	#5	32'-2"	84	#4	32'-2"	86	#6	32'-2"	35	#6	2'-4" to 31'-9"	35	#5	1'-8" to 31'-1"	35	#4	1'-8" to 31'-1"	35	#6	1'-8" to 31'-1"	84	#4	7'-1"	85	8'-5"	#6	7'-4"	#4	3'-4"	145	3.40	566.870	2
3	9'-6"	8'-0"	37'-6½"	11½"	1'-0¾"	1'-0"	10'-0¼"	#6	33'-6"	85	#5	32'-2"	84	#4	32'-2"	86	#6	32'-2"	35	#6	2'-4" to 31'-9"	35	#5	1'-8" to 31'-1"	35	#4	1'-8" to 31'-1"	35	#6	1'-8" to 31'-1"	84	#4	8'-7"	85	9'-11"	#6	7'-4"	#4	3'-4"	153	3.62	590.496	3
4	9'-6"	9'-6"	37'-6½"	11½"	1'-0¾"	1'-0"	11'-6¼"	#6	33'-6"	85	#5	32'-2"	84	#4	32'-2"	86	#6	32'-2"	35	#6	2'-4" to 31'-9"	35	#5	1'-8" to 31'-1"	35	#4	1'-8" to 31'-1"	35	#6	1'-8" to 31'-1"	84	#4	10'-1"	85	11'-5"	#6	7'-4"	#4	3'-4"	161	3.84	614.122	4
5	11'-0"	4'-6"	42'-8¾"	1'-0"	1'-1"	1'-0"	6'-7"	#6	38'-0"	#6	36'-8"	#5	36'-8"	#6	36'-8"	#6	36'-8"	40	#6	2'-6" to 36'-3"	40	#6	1'-10" to 35'-7"	40	#5	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	84	#4	5'-2"	#5	6'-6"	#6	7'-4"	#4	3'-4"	152	3.53	651.781	5
6	11'-0"	6'-6"	42'-8¾"	1'-0"	1'-1"	1'-0"	8'-7"	#6	38'-0"	#6	36'-8"	#6	36'-8"	#6	36'-8"	#6	36'-8"	40	#6	2'-6" to 36'-3"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	84	#4	7'-2"	#5	8'-6"	#6	7'-4"	#4	3'-4"	160	3.82	715.161	6
7	11'-0"	8'-0"	42'-8¾"	1'-0"	1'-1"	1'-0"	10'-1"	#6	38'-0"	#6	36'-8"	#6	36'-8"	#6	36'-8"	#6	36'-8"	40	#6	2'-6" to 36'-3"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	84	#4	8'-8"	#5	10'-0"	#6	7'-4"	#4	3'-4"	168	4.05	738.787	7
8	11'-0"	9'-6"	42'-8¾"	1'-0"	1'-1"	1'-0"	11'-7"	#6	38'-0"	#6	36'-8"	#6	36'-8"	#6	36'-8"	#6	36'-8"	40	#6	2'-6" to 36'-3"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	84	#4	10'-2"	#5	11'-6"	#6	7'-4"	#4	3'-4"	176	4.27	762.413	8
9	11'-0"	11'-0"	42'-8¾"	1'-0"	1'-1"	1'-0"	13'-1"	#6	38'-0"	#6	36'-8"	#6	36'-8"	#6	36'-8"	#6	36'-8"	40	#6	2'-6" to 36'-3"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	40	#6	1'-10" to 35'-7"	84	#4	11'-8"	#5	13'-0"	#6	7'-4"	#4	3'-4"	184	4.49	836.450	9
10	13'-0"	6'-6"	49'-8"	1'-0¼"	1'-1½"	1'-0"	8'-7¾"	#7	44'-4"	#6	42'-8"	#6	42'-8"	#7	42'-8"	47	#7	2'-7" to 42'-5"	47	#7	2'-7" to 42'-5"	47	#6	1'-9" to 41'-7"	47	#6	1'-9" to 41'-7"	47	#7	1'-9" to 41'-7"	84	#4	7'-2"	#6	8'-6"	#6	7'-4"	#4	3'-4"	175	4.39	908.192	10
11	13'-0"	8'-0"	49'-8"	1'-0¼"	1'-1½"	1'-0"	10'-1¾"	#7	44'-4"	#6	42'-8"	#6	42'-8"	#7	42'-8"	47	#7	2'-7" to 42'-5"	47	#7	2'-7" to 42'-5"	47	#6	1'-9" to 41'-7"	47	#6	1'-9" to 41'-7"	47	#7	1'-9" to 41'-7"	84	#4	8'-8"	#6	10'-0"	#6	7'-4"	#4	3'-4"	183	4.61	934.572	11
12	13'-0"	9'-6"	49'-8"	1'-0¼"	1'-1½"