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'-11½"	3'-6"	2'-6¼"	5'-2"	17'-1¾"	9'-11"	19'-1¼"
2	9'-6"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11½"	4'-8"	3'-6¼"	5'-9"	20'-4¾"	11'-10"	19'-1¼"
3	9'-6"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-4¾"	3'-10½"	6'-4"	23'-8¾"	14'-2"	19'-1¼"
4	9'-6"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-0½"	4'-2¾"	6'-11"	26'-11¾"	16'-5"	19'-1¼"
5	11'-0"	4'-6"	11'-10"	7'-11"	2'-11½"	3'-11½"	3'-6½"	2'-6¾"	5'-2"	17'-1¾"	9'-11"	22'-6¾"
6	11'-0"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11½"	4'-8½"	3'-6¾"	5'-9"	20'-4¾"	11'-10"	22'-6¾"
7	11'-0"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-4¾"	3'-11"	6'-4"	23'-8¾"	14'-2"	22'-6¾"
8	11'-0"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-1"	4'-3½"	6'-11"	26'-11¾"	16'-5"	22'-6¾"
9	11'-0"	11'-0"	24'-11"	16'-5"	6'-3"	8'-2½"	6'-9"	4'-9½"	7'-7"	30'-2¾"	18'-5"	22'-6¾"
10	13'-0"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11½"	4'-8¾"	3'-7"	5'-9"	20'-4¾"	11'-10"	27'-2¾"
11	13'-0"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-5"	3'-11½"	6'-4"	23'-8¾"	14'-2"	27'-2¾"
12	13'-0"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-1½"	4'-3½"	6'-11"	26'-11¾"	16'-5"	27'-2¾"
13	13'-0"	11'-0"	24'-11"	16'-5"	6'-3"	8'-2½"	6'-9¾"	4'-9¾"	7'-6"	30'-2¾"	18'-5"	27'-2¾"
14	13'-0"	13'-0"	28'-3"	18'-9"	7'-0¾"	9'-4¼"	7'-11½"	5'-8"	8'-0"	33'-6¾"	20'-9"	27'-2¾"
15	14'-6"	6'-6"	15'-1"	9'-10"	3'-9½"	4'-11½"	4'-9¼"	3'-7½"	5'-9"	20'-4¾"	11'-10"	30'-7¾"
16	14'-6"	8'-0"	18'-5"	12'-2"	4'-7¼"	6'-1"	5'-5½"	3'-11¾"	6'-4"	23'-8¾"	14'-2"	30'-7¾"
17	14'-6"	9'-6"	21'-8"	14'-5"	5'-5"	7'-2¾"	6'-1¾"	4'-4"	6'-11"	26'-11¾"	16'-5"	30'-7¾"
18	14'-6"	11'-0"	24'-11"	16'-5"	6'-3"	8'-2½"	6'-9¾"	4'-10¼"	7'-6"	30'-2¾"	18'-5"	30'-7¾"
19	14'-6"	13'-0"	28'-3"	18'-9"	7'-0¾"	9'-4¼"	8'-0"	5'-8½"	8'-0"	33'-6¾"	20'-9"	30'-7¾"
20	14'-6"	14'-6"	31'-6"	21'-0"	7'-10½"	10'-6"	8'-8¼"	6'-0¾"	8'-7"	36'-9¾"	23'-0"	30'-7¾"

Design no.	TWO LONG WINGS – REINFORCING: 6 D1 BARS LENGTH	NO	D2 BARS LENGTH	6 D3 BARS SIZE	LENGTH	NO	SIZE	D4 BARS LENGTH	NO	SIZE	D5 BARS LENGTH	NO	SIZE	D6 BARS LENGTH	4 E1 BARS LENGTH	NO	E2 BARS LENGTH	NO	E3 BARS LENGTH	NO	F1 BARS LENGTH	24 F2 BARS LENGTH	NO	G BARS LENGTH	NO
1	6'-3"	24	3'-4" to 6'-1"	#4	6'-3"	24	#4	3'-4" to 6'-1"	28	#4	5'-11"	60	#4	3'-8"	13'-11"	8	4'-11" to 8'-11"	16	13'-6"	48	2'-10" to 4'-8"	4'-10"	20	14'-6"	6
2	6'-3"	24	3'-5" to 7'-11"	#4	6'-3"	24	#4	3'-5" to 7'-11"	34	#4	7'-1"	72	#4	3'-8"	17'-3"	12	4'-3" to 12'-3"	20	16'-9"	60	2'-10" to 5'-3"	5'-5"	20	17'-9"	8
3	9'-9"	38	5'-2" to 9'-8"	#4	9'-9"	38	#4	5'-2" to 9'-8"	42	#4	7'-9"	88	#4	3'-8"	20'-8"	16	3'-6" to 15'-6"	24	20'-1"	76	2'-10" to 5'-11"	6'-0"	20	21'-1"	9
4	11'-3"	44	5'-10" to 11'-1"	#5	11'-3"	44	#5	5'-10" to 11'-1"	48	#5	8'-5"	100	#5	4'-1"	24'-0"	20	2'-9" to 18'-9"	28	23'-4"	88	2'-10" to 6'-5"	6'-7"	24	24'-4"	11
5	6'-4"	24	3'-4" to 6'-1"	#4	6'-4"	24	#4	3'-4" to 6'-1"	28	#4	5'-11"	60	#4	3'-8"	13'-11"	8	4'-11" to 8'-11"	16	13'-6"	48	2'-10" to 4'-8"	4'-10"	20	14'-6"	6
6	8'-4"	30	4'-6" to 8'-1"	#4	8'-4"	30	#4	4'-6" to 8'-1"	34	#4	7'-1"	72	#4	3'-8"	17'-3"	12	4'-3" to 12'-3"	20	16'-9"	60	2'-10" to 5'-3"	5'-5"	20	17'-9"	8
7	9'-10"	38	5'-3" to 9'-9"	#4	9'-10"	38	#4	5'-3" to 9'-9"	42	#4	7'-9"	88	#4	3'-8"	20'-8"	16	3'-6" to 15'-6"	24	20'-1"	76	2'-10" to 5'-11"	6'-0"	20	21'-1"	9
8	11'-4"	44	5'-11" to 11'-2"	#5	11'-4"	44	#5	5'-11" to 11'-2"	48	#5	8'-6"	100	#5	4'-1"	24'-0"	20	2'-9" to 18'-9"	28	23'-4"	88	2'-10" to 6'-5"	6'-7"	24	24'-4"	11
9	12'-10"	50	6'-7" to 12'-7"	#6	12'-10"	50	#6	6'-7" to 12'-7"	54	#6	9'-2"	112	#6	4'-7"	27'-5"	24	2'-1" to 22'-0"	28	26'-7"	100	2'-10" to 7'-0"	7'-2"	24	27'-7"	12
10	8'-4"	30	4'-7" to 8'-1"	#4	8'-4"	30	#4	4'-7" to 8'-1"	34	#4	7'-2"	72	#4	3'-8"	17'-3"	12	4'-3" to 12'-3"	20	16'-9"	60	2'-10" to 5'-3"	5'-5"	20	17'-9"	8
11	9'-10"	38	5'-3" to 9'-9"	#4	9'-10"	38	#4	5'-3" to 9'-9"	42	#4	7'-10"	88	#4	3'-8"	20'-8"	16	3'-6" to 15'-6"	24	20'-1"	76	2'-10" to 5'-11"	6'-0"	20	21'-1"	9
12	12'-10"	50	6'-7" to 12'-7"	#6	12'-10"	50	#6	6'-7" to 12'-7"	54	#6	9'-2"	112	#6	4'-7"	27'-5"	24	2'-1" to 22'-0"	28	26'-7"	100	2'-10" to 7'-0"	7'-2"	24	27'-7"	12
13	14'-10"	58	7'-9" to 14'-9"	#7	14'-10"	58	#7	7'-9" to 14'-9"	62	#7	10'-4"	128	#7	5'-4"	30'-10"	24	5'-4" to 25'-4"	32	29'-11"	116	2'-10" to 7'-7"	7'-8"	28	30'-11"	13
14	14'-10"	58	7'-10" to 14'-10"	#7	14'-10"	58	#7	7'-10" to 14'-10"	62	#7	10'-5"	128	#7	5'-4"	30'-10"	24	5'-4" to 25'-4"	32	29'-11"	116	2'-10" to 7'-7"	7'-8"	28	30'-11"	13
15	16'-4"	64	8'-6" to 16'-3"	#8	16'-4"	64	#8	8'-6" to 16'-3"	68	#8	11'-1"	140	#8	6'-3"	34'-2"	28	4'-7" to 28'-7"	36	33'-2"	128	2'-10" to 8'-2"	8'-3"	28	34'-2"	14

Design no.	TWO SHORT WINGS – REINFORCING: 6 D1 BARS LENGTH	NO	D2 BARS LENGTH	6 D3 BARS SIZE	LENGTH	NO	SIZE	D4 BARS LENGTH	NO	SIZE	D5 BARS LENGTH	NO	SIZE	D6 BARS LENGTH	4 E1 BARS LENGTH	NO	E2 BARS LENGTH	NO	E3 BARS LENGTH	NO	F1 BARS LENGTH	16 F2 BARS LENGTH	NO	G BARS LENGTH	NO
1	6'-3"	16	2'-5" to 5'-10"	#4	6'-3"	16	#4	2'-5" to 5'-10"	20	#4	4'-11"	44	#4	3'-8"	10'-6"	12	3'-4" to 7'-4"	12	9'-7"	32	2'-10" to 4'-7"	4'-10"	20	9'-7"	6
2	8'-3"	20	3'-5" to 7'-11"	#4	8'-3"	20	#4	3'-5" to 7'-11"	24	#4	5'-11"	52	#4	3'-8"	12'-8"	16	3'-3" to 9'-3"	16	11'-6"	40	2'-10" to 5'-2"	5'-5"	20	11'-6"	6
3	9'-9"	24	3'-9" to 9'-3"	#4	9'-9"	24	#4	3'-9" to 9'-3"	28	#4	6'-3"	60	#4	3'-8"	15'-3"	20	3'-7" to 11'-7"	16	13'-10"	48	2'-10" to 5'-8"	6'-0"	20	13'-10"	6
4	11'-3"	30	4'-1" to 11'-1"	#5	11'-3"	30	#5	4'-1" to 11'-1"	34	#5	6'-7"	72	#5	4'-1"	17'-9"	28	1'-11" to 13'-10"	20	16'-1"	60	2'-10" to 6'-6"	6'-6"	24	16'-1"	7
5	6'-4"	16	2'-5" to 5'-11"	#4	6'-4"	16	#4	2'-5" to 5'-11"	20	#4	4'-11"	44	#4	3'-8"	10'-6"	12	3'-4" to 7'-4"	12	9'-7"	32	2'-10" to 4'-7"	4'-10"	20	9'-7"	6
6	8'-4"	20	3'-5" to 7'-11"	#4	8'-4"	20	#4	3'-5" to 7'-11"	24	#4	5'-11"	52	#4	3'-8"	12'-8"	16	3'-3" to 9'-3"	16	11'-6"	40	2'-10" to 5'-2"	5'-5"	20	11'-6"	6
7	9'-10"	24	3'-9" to 9'-3"	#4	9'-10"	24	#4	3'-9" to 9'-3"	28	#4	6'-4"	60	#4	3'-8"	15'-3"	20	3'-7" to 11'-7"	16	13'-10"	48	2'-10" to 5'-8"	6'-0"	20	13'-10"	6
8	11'-4"	30	4'-2" to 11'-2"	#5	11'-4"	30	#5	4'-2" to 11'-2"	34	#5	6'-8"	72	#5	4'-1"	17'-10"	28	1'-11" to 13'-10"	20	16'-1"	60	2'-10" to 6'-6"	6'-6"	24	16'-1"	7
9	12'-10"	34	4'-8" to 12'-8"	#6	12'-10"	34	#6	4'-8" to 12'-8"	38	#6	7'-2"	80	#6	4'-7"	20'-1"	32	1'-10" to 15'-10"	20	18'-1"	68	2'-10" to 7'-1"	7'-2"	24	18'-1"	8
10	8'-4"	20	3'-5" to 7'-11"	#4	8'-4"	20	#4	3'-5" to 7'-11"	24	#4	6'-0"	52	#4	3'-8"	12'-8"	16	3'-3" to 9'-3"	16	11'-6"	40	2'-10" to 5'-2"	5'-5"	20	11'-6"	6
11	9'-10"	24	3'-10" to 9'-4"	#4	9'-10"	24	#4	3'-10" to 9'-4"	28	#4	6'-4"	60	#4	3'-8"	15'-3"	20	3'-7" to 11'-7"	16	13'-10"	48	2'-10" to 5'-8"	6'-0"	20	13'-10"	6
12	11'-4"	30	4'-2" to 11'-2"	#5	11'-4"	30	#5	4'-2" to 11'-2"	34	#5	6'-8"	72	#5	4'-1"	17'-10"	28	1'-11" to 13'-10"	20	16'-1"	60	2'-10" to 6'-6"	6'-6"	24	16'-1"	7
13	12'-10"	34	4'-8" to 12'-8"	#6	12'-10"	34	#6	4'-8" to 12'-8"	38	#6	7'-2"	80	#6	4'-7"	20'-1"	32	1'-10" to 15'-10"	20	18'-1"	68	2'-10" to 7'-1"	7'-2"	24	18'-1"	8
14	14'-10"	38	5'-6" to 14'-6"	#7	14'-10"	38	#7	5'-6" to 14'-6"	42	#7	8'-1"	88	#7	5'-4"	22'-8"	36	2'-2" to 18'-2"	24	20'-5"	76	2'-10" to 7'-6"	7'-8"	28	20'-5"	9
15	16'-4"	42	8'-5" to 16'-3"	#8	16'-4"	42	#8	8'-5" to 16'-3"	46	#8	8'-5"	96	#8	6'-3"	25'-2"	40	2'-5" to 20'-5"	28	22'-8"	84	2'-10" to 8'-0"	8'-3"	28	22'-8"	9

Design no.	TWO CURTAIN WALLS – REINFORCING: 8 CW1 BARS LENGTH	8 CW2 BARS LENGTH	CW3 BARS NO	CW4 BARS NO	TWO CURBS REINF. 4 H1 BARS LENGTH	H2 BARS NO	QUANTITIES * CONC. (CY)	REINF. (LBS.)	Design no.
1	55'-3"	54'-5"	106	106	26'-5"	56	37.3	3470	1
2	60'-5"	59'-7"	118	116	26'-5"	56	47.8	4290	2
3	66'-1"	65'-3"	128	126	26'-5"	56	59.2	5160	3
4	71'-7"	70'-9"	140	138	26'-5"	56	71.6	7100	4
5	58'-9"	57'-11"	114	112	29'-11"	62	38.6	3600	5
6	63'-11"	63'-1"	124	122	29'-11"	62	49.1	4410	6
7	69'-7"	68'-9"	136	134	29'-11"	62	60.5	5300	7
8	75'-1"	74'-3"	146	144	29'-11"	62	72.9	7240	8
9	80'-4"	79'-6"	156	156	29'-11"	62	86.4	9600	9
10	68'-6"	67'-8"	134	132	34'-5"	72	50.7	4590	10
11	74'-2"	73'-4"	144	142	34'-5"	72	62.1	5470	11
12	79'-8"	78'-10"	156	154	34'-5"	72	74.6	7410	12
13	84'-11"	84'-1"	166	164	34'-5"	72	88.0	9760	13
14	90'-7"	89'-9"	178	176	34'-5"	72	104.8	13780	14
15	72'-0"	71'-2"	140	138	38'-0"	78	52.0	4710	15
16	77'-8"	76'-10"	152	150	38'-0"	78	63.4	5600	16
17	83'-2"	82'-4"	162	160	38'-0"	78	75.9	7540	17
18	88'-5"	87'-7"	174	172	38'-0"	78	89.4	7270	18
19	94'-1"	93'-3"	184	182	38'-0"	78	106.2	13920	19
20	99'-7"	98'-9"	196	194	38'-2"	80	122.5	18840	20

** Per linear foot along ℄ interior wall

Design no.	Clear span	Clear height	Bridge length	DIMENSIONS – BARREL T1	T2	T3	V	BARREL REINFORCING: A1 BARS SIZE	LENGTH	A2 BARS SIZE	LENGTH	A3 BARS SIZE	LENGTH	A4 BARS SIZE	LENGTH	A5 BARS SIZE	LENGTH	NO	A6 BARS SIZE	LENGTH	NO	A7 BARS SIZE	LENGTH	NO	A8 BARS SIZE	LENGTH	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"	25'-5"	11½"	1'-0¾"	1'-0"	6'-6¼"	#5	22'-10"	#5	21'-8"	#5	21'-8"	#5	21'-8"	#5	21'-8"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	#4	5'-1"	#4	6'-5"	#5	6'-0"	#4	3'-4"	96	2.15	334.504	1
2	9'-6"	6'-6"	25'-5"	11½"	1'-0¾"	1'-0"	8'-6¼"	#5	22'-10"	#5	21'-8"	#5	21'-8"	#5	21'-8"	#5	21'-8"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	#4	7'-1"	#4	8'-5"	#5	6'-0"	#4	3'-4"	102	2.37	354.544	2
3	9'-6"	8'-0"	25'-5"	11½"	1'-0¾"	1'-0"	10'-0¼"	#5	22'-10"	#5	21'-8"	#5	21'-8"	#5	21'-8"	#5	21'-8"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	#4	8'-7"	#4	9'-11"	#5	6'-0"	#4	3'-4"	108	2.54	370.576	3
4	9'-6"	9'-6"	25'-5"	11½"	1'-0¾"	1'-0"	11'-6¼"	#5	22'-10"	#5	21'-8"	#5	21'-8"	#5	21'-8"	#5	21'-8"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	46	#5	1'-6" to 20'-7"	#4	10'-1"	#4	11'-5"	#5	6'-0"	#4	3'-4"	114	2.71	386.608	4
5	11'-0"	4'-6"	28'-10½"	1'-0"	1'-1"	1'-0"	6'-7"	#5	25'-10"	#5	24'-8"	#5	24'-8"	#5	24'-8"	#5	24'-8"	52	#5	2'-6" to 24'-2"	52	#5	1'-11" to 23'-7"	52	#5	1'-11" to 23'-7"	#4	5'-2"	#4	6'-6"	#5	6'-0"	#4	3'-4"	106	2.43	366.884	5
6	11'-0"	6'-6"	28'-10½"	1'-0"	1'-1"	1'-0"	8'-7"	#5	25'-10"	#5	24'-8"	#5	24'-8"	#5	24'-8"	#5	24'-8"	52	#5	2'-6" to 24'-2"	52	#5	1'-11" to 23'-7"	52	#5	1'-11" to 23'-7"	#4	7'-2"	#4	8'-6"	#5	6'-0"	#4	3'-4"	112	2.66	386.924	6
7	11'-0"	8'-0"	28'-10½"	1'-0"	1'-1"	1'-0"	10'-1"	#5	25'-10"	#5	24'-8"	#5	24'-8"	#5	24'-8"	#5	24'-8"	52	#5	2'-6" to 24'-2"	52	#5	1'-11" to 23'-7"	52	#5	1'-11" to 23'-7"	#4	8'-8"	#5	10'-0"	#5	6'-0"	#4	3'-4"	118	2.82	417.956	7
8	11'-0"	9'-6"	28'-10½"	1'-0"	1'-1"	1'-0"	11'-7"	#5	25'-10"	#5	24'-8"	#5	24'-8"	#5	24'-8"	#5	24'-8"	52	#5	2'-6" to 24'-2"	52	#5	1'-11" to 23'-7"	52	#5	1'-11" to 23'-7"	#4	10'-2"	#5	11'-6"	#5	6'-0"	#4	3'-4"	124	2.99	436.238	8
9	11'-0"	11'-0"	28'-10½"	1'-0"	1'-1"	1'-0"	13'-1"	#5	25'-10"	#5	24'-8"	#5	24'-8"	#5	24'-8"	#5	24'-8"	52	#5	2'-6" to 24'-2"	52	#5	1'-11" to 23'-7"	52	#5	1'-11" to 23'-7"	#4	11'-8"	#5	13'-0"	#5	6'-0"	#4	3'-4"	130	3.16	454.520	9
10	13'-0"	6'-6"	33'-6"	1'-0¼"	1'-1½"	1'-0"	8'-7¾"	#6	30'-0"	#6	28'-8"	#6	28'-8"	#6	28'-8"	#6	28'-8"	62	#6	2'-3" to 28'-3"	62	#6	1'-7" to 27'-7"	62	#6	1'-7" to 27'-7"	#4	7'-2"	#5	8'-6"	#6	7'-4"	#4	3'-4"	122	3.03	565.593	10
11	13'-0"	8'-0"	33'-6"	1'-0¼"	1'-1½"	1'-0"	10'-1¾"	#6	30'-0"	#6	28'-8"	#6	28'-8"	#6	28'-8"	#6	28'-8"	62	#6	2'-3" to 28'-3"	62	#6	1'-7" to 27'-7"	62	#6	1'-7" to 27'-7"	#4	8'-8"	#5	10'-0"	#6	7'-4"	#4	3'-4"	128	3.20	583.875	11
12	13'-0"	9'-6"	33'-6"	1'-0¼"	1'-1½"	1'-0"	11'-7¾"	#6	30'-0"	#6	28'-8"	#6	28'-8"	#6	28'-8"	#6	28'-8"	62	#6	2'-3" to 28'-3"	62	#6	1'-7" to 27'-7"	62	#6	1'-7" to 27'-7"	#4	10'-2"	#6	11'-6"	#6	7'-4"	#4	3'-4"	134	3.37	623.271	12
13	13'-0"	11'-0"	33'-6"	1'-0¼"	1'-1½"	1'-0"	13'-1¾"	#6	30'-0"	#6	28'-8"	#6	28'-8"	#6	28'-8"	#6	28'-8"	62	#6	2'-3" to 28'-3"	62	#6	1'-7" to 27'-7"	62	#6	1'-7" to 27'-7"	#4	11'-8"	#6	13'-0"	#6	7'-4"	#4	3'-4"	140	3.53	644.307	13
14	13'-0"	13'-0"	33'-6"	1'-0¼"	1'-1½"	1'-0"	15'-1¾"	#6	30'-0"	#6	28'-8"	#6	28'-8"	#6	28'-8"	#6	28'-8"	62	#6	2'-3" to 28'-3"	62	#6	1'-7" to 27'-7"	62	#6	1'-7" to 27'-7"	#4	13'-8"	#6	15'-0"	#6	7'-4"	#4	3'-4"	146	3.75	671.019	14
15	14'-6"	6'-6"	36'-11½"	1'-0¾"	1'-2"	1'-0"	8'-8¾"	#7	33'-4"	#7	31'-8"	#7	31'-8"	#7	31'-8"	#7	31'-8"	68	#7	2'-10" to 31'-5"	68	#7	2'-0" to 30'-7"	68	#7	2'-0" to 30'-7"	#4	7'-2"	#6	8'-6"	#6	7'-4"	#4	3'-4"	130	3.37	762.705	15
16	14'-6"	8'-0"	36'-11½"	1'-0¾"	1'-2"	1'-0"	10'-2¾"	#7	33'-4"	#7	31'-8"	#7	31'-8"	#7	31'-8"	#7	31'-8"	68	#7	2'-10" to 31'-5"	68	#7	2'-0" to 30'-7"	68	#7	2'-0" to 30'-7"	#4	8'-8"	#6	10'-0"	#6	7'-4"	#4	3'-4"	136	3.54	783.741	16
17	14'-6"	9'-6"	36'-11½"	1'-0¾"	1'-2"	1'-0"	11'-8¾"	#7	33'-4"	#7	31'-8"	#7	31'-8"	#7	31'-8"	#7	31'-8"	68	#7	2'-10" to 31'-5"	68	#7	2'-0" to 30'-7"	68	#7	2'-0" to 30'-7"	#4	10'-2"	#6	11'-6"	#7	9'-4"	#4	3'-4"	142	3.70	837.028	17
18	14'-6"	11'-0"	36'-11½"	1'-0¾"	1'-2"	1'-0"	13'-2¾"	#8	33'-6"	#7	31'-8"	#7	31'-8"	#7	31'-8"	#7	31'-8"	68	#8	2'-11" to 31'-6"	68	#7	2'-0" to 30'-7"	68	#7	2'-0" to 30'-7"	#4	11'-8"	#6	13'-0"	#7	9'-4"	#4	3'-4"	148	3.87	900.687	18
19	14'-6"	13'-0"	36'-11½"	1'-0¾"	1'-2"	1'-0"	15'-2¾"	#8	33'-6"	#7	31'-8"	#7	31'-8"	#7	31'-8"	#7	31'-8"	68	#8	3'-1" to 31'-8"	68	#7	2'-0" to 30'-7"	68	#7	2'-0" to 30'-7"	#4	13'-8"	#7	15'-0"	#7	9'-4"	#4	3'-4"	154	4.09	959.919	19
20	14'-6"	14'-6"	37'-11¼"	1'-0¾"	1'-2"	1'-0"	16'-8¾"	#8	33'-7"	#7	31'-9"	#7	31'-9"	#8	31'-9"	#8	31'-9"	68	#8	3'-1" to 31'-8"	68	#7	2'-2" to 30'-9"	68	#7	2'-2" to 30'-9"	#8	15'-2"	#7	16'-6"	#8	11'-6"	#5	4'-0"	160	4.34	1132.999	20

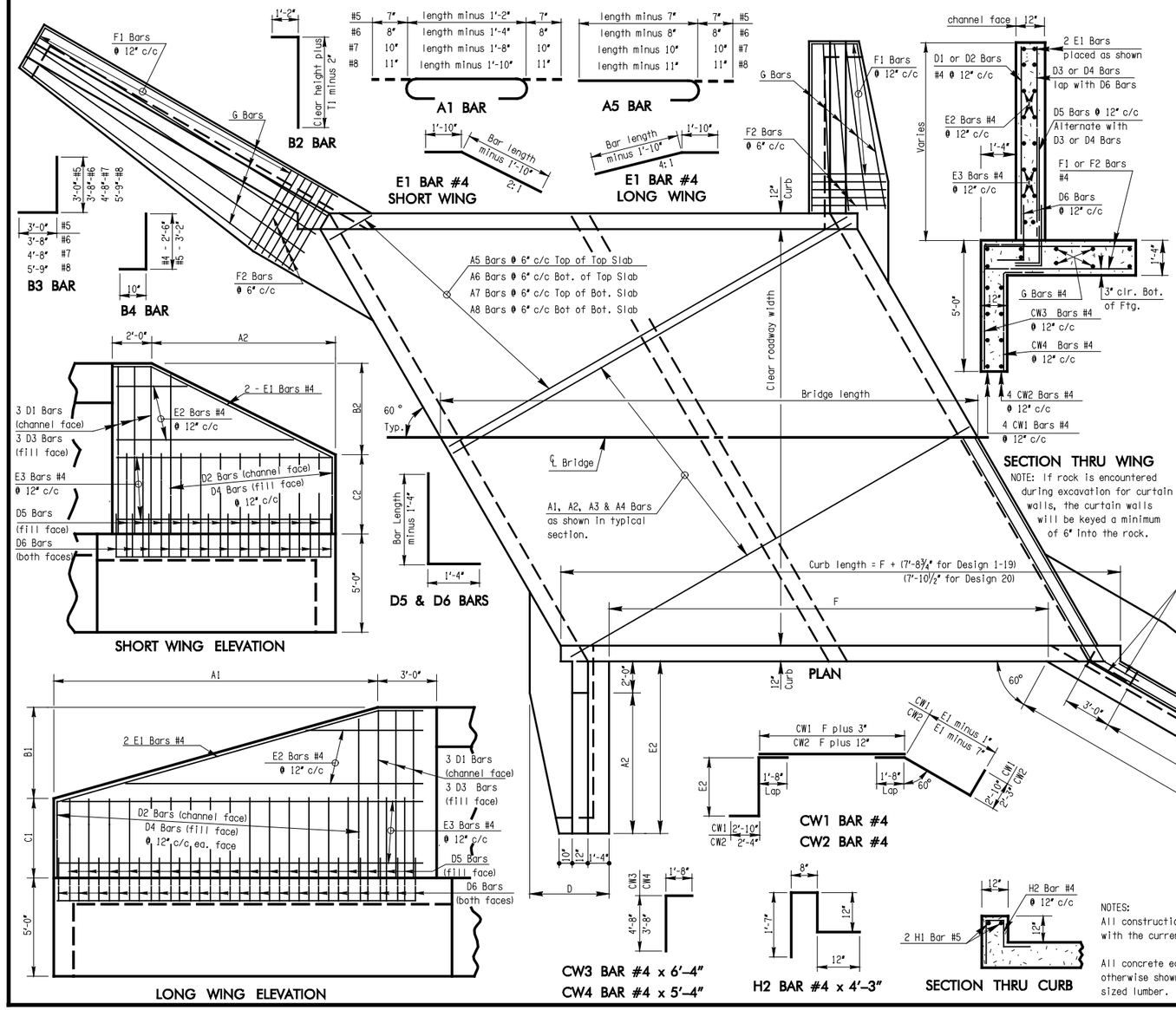
REV. NO.	DESCRIPTION	DATE

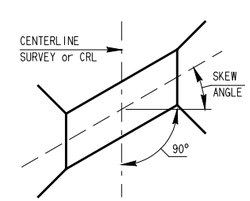
REVISIONS

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

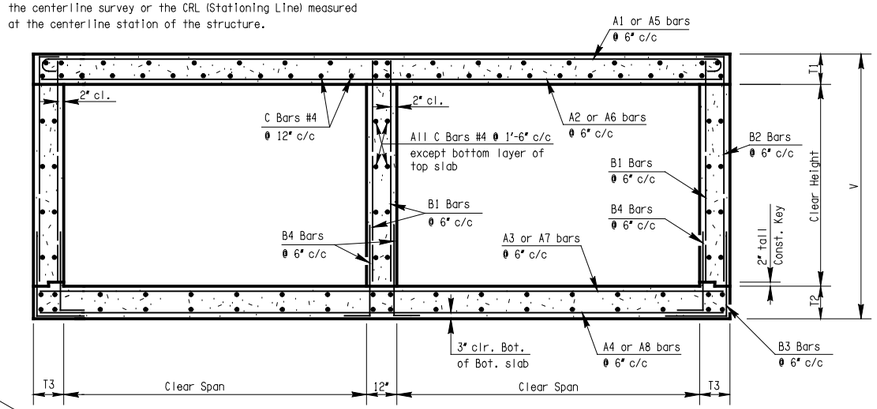
DESIGN DATA

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





The skew angle is defined as the angle between the line of the structure crossing feature and a line perpendicular to the centerline survey or the CRL (Stationing Line) measured at the centerline station of the structure.



TYPICAL CROSS SECTION

NOTES:
All construction and materials shall be in accordance with the current Oklahoma Standard Specifications.

All concrete edges shall have a 1½" chamfer unless otherwise shown or noted. All chamfer strips shall be sized lumber.

All reinforcing steel shall have 2" clearance unless otherwise shown or noted.

Roughen surface at all Construction Joints.

APPROVED BY BRIDGE ENGINEER DATE

OKLAHOMA DEPARTMENT OF TRANSPORTATION
COUNTY BRIDGE STANDARD (ENGLISH)
DOUBLE CELL REINFORCED CONCRETE BOX
SKEWED 30° R.F. (FILLS LESS THAN 5'-0")

1999 SPECIFICATIONS | RCB2B30RF-2 | 00E

CB-38E