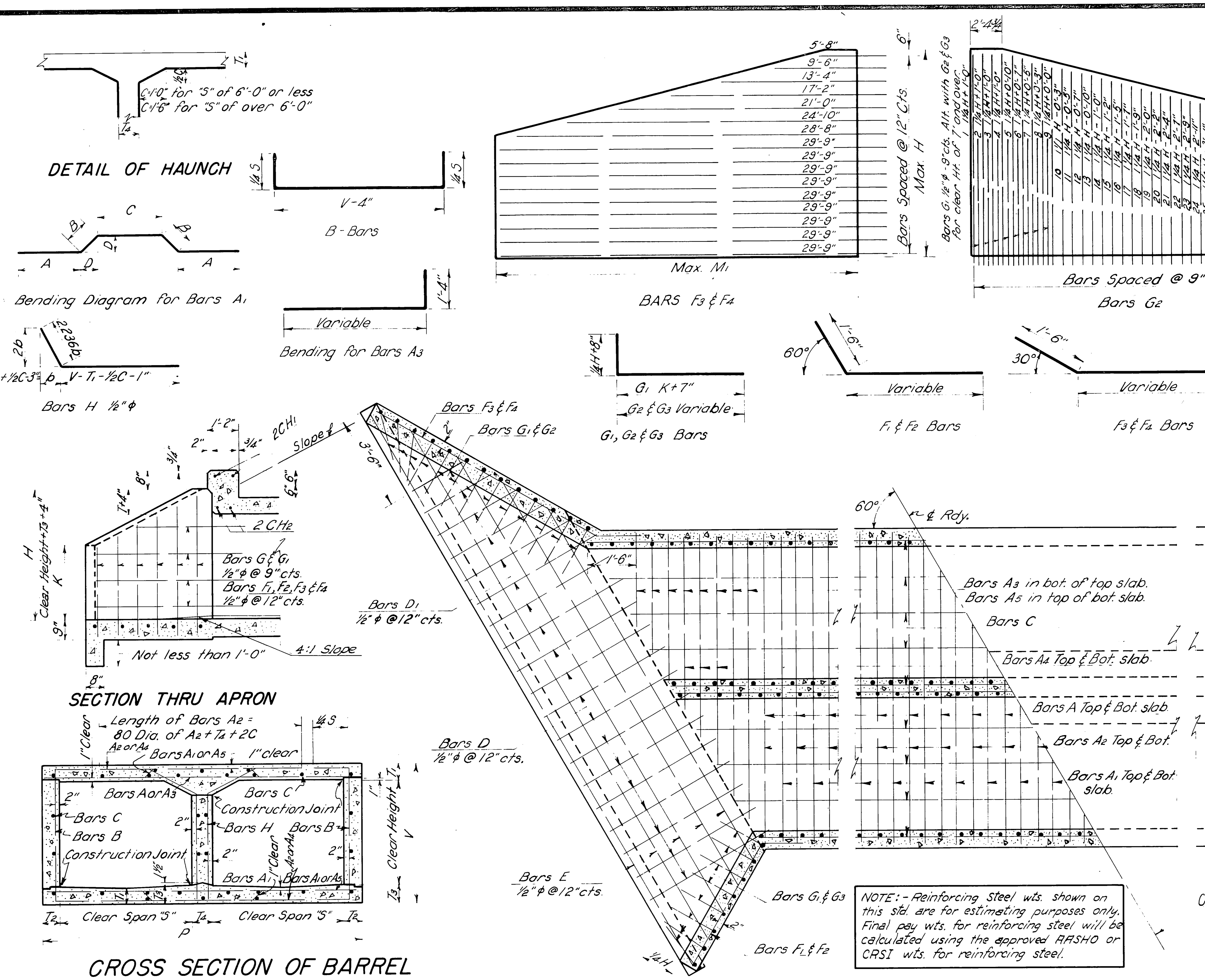
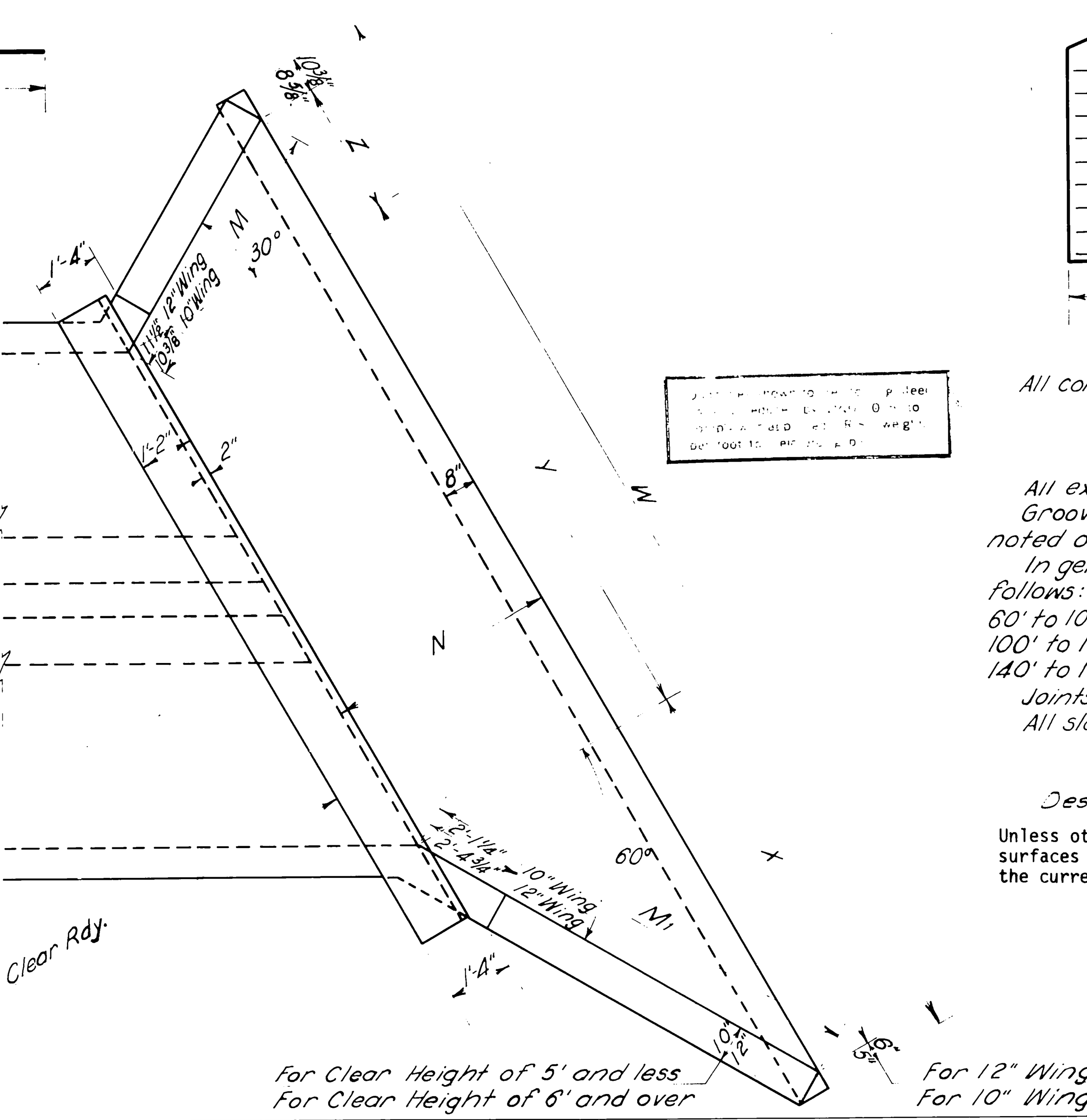
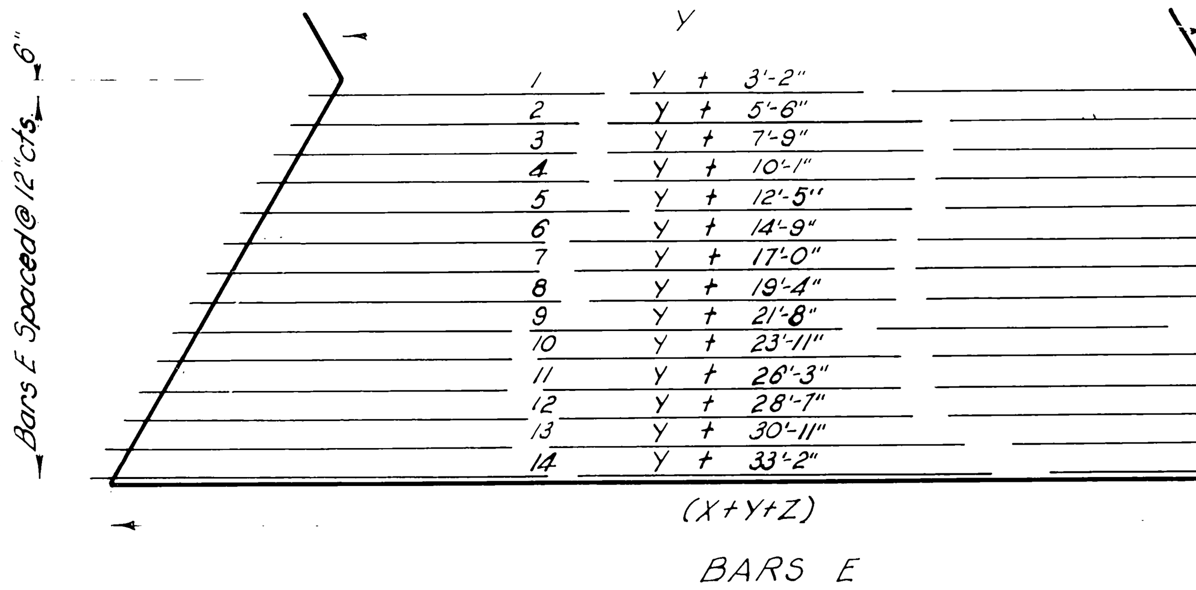
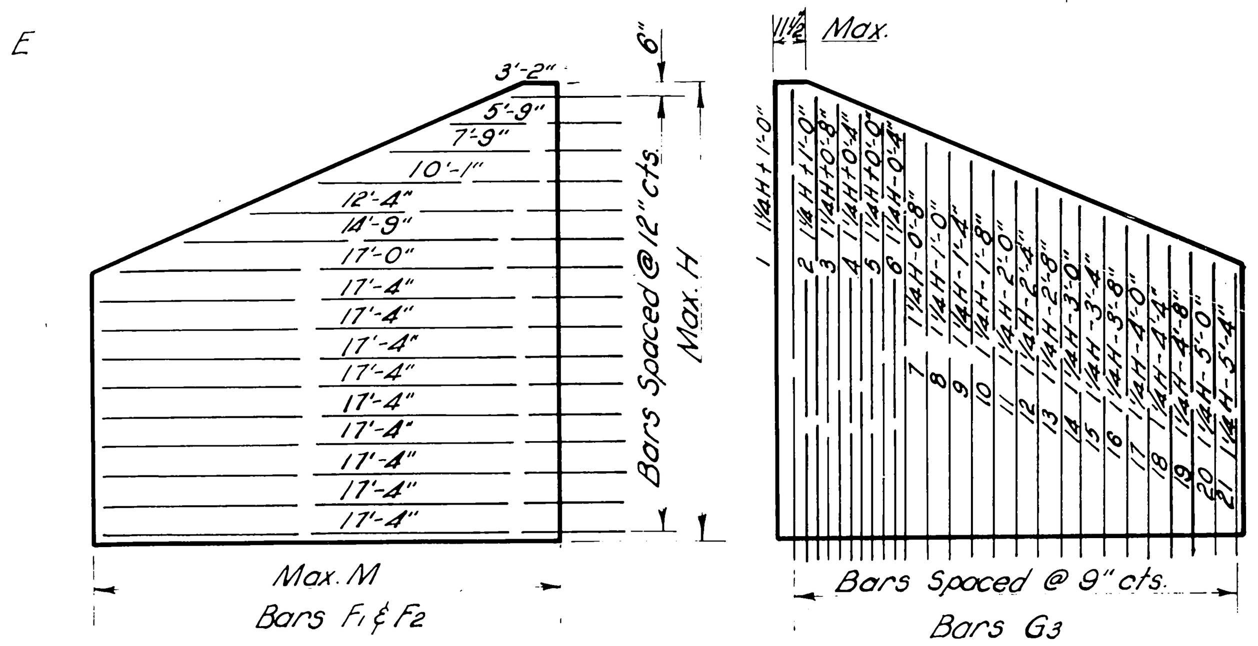
FED. ROAD DIST. NO.	STATE	[redacted] AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	[redacted]	[redacted]	[redacted]	[redacted]

Rev. 1967 Spec.
Rev.~ Rem. 2:1 Slopes 5-7-85









GENERAL NOTES

All construction shall be in accordance with Okla. Std. Spec.

All exposed edges **Shall have** a ¾" chamfer.

Grooved Construction Joints and Pedestals shall be used when and where noted on Summary Sheet.

In general, Grooved Construction Joints and Pedestals shall be placed as follows:-

60' to 100' of barrel, use 1 constr. joint & pedestal.
100' to 140' of " " 2 " " " pedestals
140' to 180' " " " 3 " " " "

Joints shall be perpendicular to ℄ of Barrel.

All slab reinforcing steel shall be supported on approved metal supports.

Design is sufficient for H20-S16-53 and PPM 20-4 Loading.

Unless otherwise specified, all exposed concrete surfaces shall have a finish in accordance with the current standard specifications.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

CONCRETE BOX CULVERTS SKEWED 60° SPANS 5 TO 12 FEET FOR FILLS 3 TO 10 FT.

BARREL OF CULVERT

DESIGN No.	Waterway: Clear Span	Waterway: Clear Height	Waterway: Area of Opening	T1	T2	T3	T4	V	P	Bars A–A1 Size and Spacing	A Length	A1 Length	A	B	C	D
1	5'	4'	40	7"	8"	8"	9"	5'-3"	12'-1"	5/8"φ-14½"	11'-9"	12'-0"	3'-7½	6"	3'-9"	4¼
2		5'	50	7"	9"	8"	9"	6'-3"	12'-3"	" "	11'-11"	12'-2"	3'-8½	6"	3'-9"	4¼
3		6'	60	7"	9"	8"	9"	7'-3"	12'-3"	" "	11'-11"	12'-2"	3'-8½	6"	3'-9"	4¼
4	6'	2'	24	7½"	6"	8¾"	9"	3'-4¼"	13'-9"	5/8"φ-13½	13'-5"	13'-9"	4'-5¼	6¾	3'-9"	4¾
5		3'	36	7½"	6"	8¾"	9"	4'-4¼"	13'-9"	" "	13'-5"	13'-9"	4'-5¼	6¾	3'-9"	4¾
6		4'	48	7½"	8"	8¾"	9"	5'-4¼"	14'-1"	" "	13'-9"	14'-1"	4'-7¼	6¾	3'-9"	4¾
7		5'	60	7½"	9"	8¾"	9"	6'-4¼"	14'-3"	" "	13'-11"	14'-3"	4'-8¼	6¾	3'-9"	4¾
8		6'	72	7½"	9"	8¾"	9"	7'-4¼"	14'-3"	" "	13'-11"	14'-3"	4'-8¼	6¾	3'-9"	4¾
9	8'	3'	48	8¾"	6"	11½"	9"	4'-8¼"	17'-9"	5/8"φ-11"	17'-5"	17'-10"	5'-10"	8½	4'-9"	6"
10		4'	64	8¾"	8"	11½"	9"	5'-8¼"	18'-1"	" "	17'-9"	18'-2"	6'-0"	8½	4'-9"	6"
11		5'	80	8¾"	9"	11½"	9"	6'-8¼"	18'-3"	" "	17'-11"	18'-4"	6'-1"	8½	4'-9"	6"
12		6'	96	8¾"	9"	11½"	9"	7'-8¼"	18'-3"	" "	17'-11"	18'-4"	6'-1"	8½	4'-9"	6"
13		7'	112	8¾"	10"	11½"	10"	8'-8¼"	18'-6"	" "	18'-2"	18'-7"	6'-2"	8½	4'-10"	6"
14		8'	128	8¾"	10"	11½"	10"	9'-8¼"	18'-6"	" "	18'-2"	18'-7"	6'-2"	8½	4'-10"	6"
15	10'	6'	120	10½"	9"	14"	9"	8'-0½"	22'-3"	3/4"φ-12½	21'-11"	22'-5"	7'-11"	11"	4'-9"	7¾
16		7'	140	10½"	10"	14"	10"	9'-0½"	22'-6"	" "	22'-2"	22'-8"	8'-0"	11"	4'-10"	7¾
17		8'	160	10½"	10"	14"	10"	10'-0½"	22'-6"	" "	22'-2"	22'-8"	8'-0"	11"	4'-10"	7¾
18		9'	180	10½"	11"	14"	11"	11'-0½"	22'-9"	" "	22'-5"	22'-11"	8'-1"	11"	4'-11"	7¾
19		10'	200	10½"	12"	14"	12"	12'-0½"	23'-0"	3/4"φ@12½"	22'-8"	23'-2"	8'-2"	11"	5'-0"	7¾
20		11'	220	10½"	12"	14"	12"	13'-0½"	23'-0"	" "	22'-8"	23'-2"	8'-2"	11"	5'-0"	7¾
21		12'	240	10½"	12"	14"	12"	14'-0½"	23'-0"	" "	22'-8"	23'-2"	8'-2"	11"	5'-0"	7¾
22	12'	11'	264	12"	12"	15½"	12"	13'-3½"	27'-0"	7/8"φ@12"	26'-8"	27'-4"	9'-7¼	12¾	6'-0"	9"
23		12'	288	12"	12"	15½"	12"	14'-3½"	27'-0"	" "	26'-8"	27'-4"	9'-7¼	12¾	6'-0"	9"
24		13'	312	12"	12"	15½"	12"	15'-3½"	27'-0"	" "	26'-8"	27'-4"	9'-7¼	12¾	6'-0"	9"
25		14'	336	12"	12"	15½"	12"	16'-3½"	27'-0"	" "	26'-8"	27'-4"	9'-7¼	12¾	6'-0"	9"

DESIGN No.	A2 Size & Spac.	A2 Length	A3 Size & Spac.	A3 No.	A3 Length	A4 Size & Spac.	A4 No.	A4 Length	A5 Size & Spac.	A5 No.	A5 Length
1	3/4"φ@14½"	7'-9"	5/8"φ @7¼"cts.	18	4'-1" to 12'-5"	5/8"φ @ 7¼"cts.	16	3'-10" to 7'-0"	5/8"φ @ 7¼"cts.	18	2'-9" to 11'-1"
2		7'-9"		18	4'-2" to 12'-6"		16	3'-10" to 7'-0"		18	2'-10" to 11'-2"
3		7'-9"		18	4'-2" to 12'-6"		16	3'-10" to 7'-0"		18	2'-10" to 11'-2"
4	3/4"φ@13½"	7'-9"	5/8"φ@6¾"cts.	22	3'-11" to 13'-8"	5/8"φ @ 6¾"cts.	16	3'-10" to 6'-9"	5/8"φ @ 6¾"cts.	22	2'-7" to 12'-4"
5		7'-9"		22	3'-11" to 13'-8"		16	3'-10" to 6'-9"		22	2'-7" to 12'-4"
6		7'-9"		22	4'-1" to 13'-10"		16	3'-10" to 6'-9"		22	2'-9" to 12'-6"
7		7'-9"		22	4'-2" to 13'-11"		16	3'-10" to 6'-9"		22	2'-10" to 12'-7"
8		7'-9"		22	4'-2" to 13'-11"		16	3'-10" to 6'-9"		22	2'-10" to 12'-7"
9	7/8"φ@11"	9'-7"	5/8"φ@5½"cts.	38	3'-11" to 18'-2"	5/8"φ@5½"cts.	24	5'-0" to 9'-0"	5/8"φ@5½"cts.	38	2'-7" to 16'-10"
10		9'-7"		38	4'-1" to 18'-4"		24	5'-0" to 9'-0"		38	2'-9" to 17'-0"
11		9'-7"		38	4'-2" to 18'-5"		24	5'-0" to 9'-0"		38	2'-10" to 17'-1"
12		9'-7"		38	4'-2" to 18'-5"		24	5'-0" to 9'-0"		38	2'-10" to 17'-2"
13		9'-8"		38	4'-3" to 18'-6"		24	5'-1" to 9'-1"		38	2'-11" to 17'-2"
14		9'-8"		38	4'-3" to 18'-6"		24	5'-1" to 9'-1"		38	2'-11" to 17'-2"
15	1"φ@12½"	10'-5"	3/4"φ@6¼"cts.	42	4'-2" to 22'-3"	3/4"φ@6¼"cts.	20	5'-11" to 9'-6"	3/4"φ@6¼"cts.	42	2'-10" to 20'-11"
16		10'-6"		42	4'-3" to 22'-4"		20	6'-0" to 9'-7"		42	2'-11" to 21'-0"
17		10'-6"		42	4'-3" to 22'-4"		20	6'-0" to 9'-7"		42	2'-11" to 21'-0"
18		10'-7"		42	4'-4" to 22'-5"		20	6'-1" to 9'-8"		42	3'-0" to 21'-1"
19		10'-8"		42	4'-5" to 22'-6"		20	6'-2" to 9'-9"		42	3'-1" to 21'-2"
20		10'-8"		42	4'-5" to 22'-6"		20	6'-2" to 9'-9"		42	3'-1" to 21'-2"
21		10'-8"		42	4'-5" to 22'-6"		20	6'-2" to 9'-9"		42	3'-1" to 21'-2"
22	1"φ @ 12" cts.	10'-8"	7/8"φ @ 6"cts.	54	4'-5" to 27'-0"	7/8"φ @ 6"cts.	24	5'-6" to 9'-10"	7/8"φ @ 6"cts.	54	3'-1" to 25'-8"
23		10'-8"		54	4'-5" to 27'-0"		24	5'-6" to 9'-10"		54	3'-1" to 25'-8"
24		10'-8"		54	4'-5" to 27'-0"		24	5'-6" to 9'-10"		54	3'-1" to 25'-8"
25		10'-8"		54	4'-5" to 27'-0"		24	5'-6" to 9'-10"		54	3'-1" to 25'-8"

DESIGN No.	Bars B Bent Size and Spacing	Bars B Bent Length	Bars C ½"φ@18" Str. No.	Bars H ½"φ@9" Bent Length	Quant's. Steel Per Lin. Ft. Lbs.	Quant's. Concrete Per Lin. Ft. Cu. Yds.
1	½"φ-9"	7'-5"	30	5'-11"	105.74	0.871
2	" "	8'-5"	34	6'-11"	112.66	0.987
3	" "	9'-5"	38	7'-11"	119.02	1.070
4	½"φ-9"	6'-0"	28	4'-1"	109.46	0.815
5	" "	7'-0"	32	5'-1"	115.81	0.879
6	" "	8'-0"	32	6'-1"	120.69	1.010
7	" "	9'-0"	36	7'-1"	127.66	1.127
8	" "	10'-0"	40	8'-1"	134.01	1.210
9	½"φ-9"	8'-4"	38	5'-10"	176.33	1.278
10	" "	9'-4"	38	6'-10"	181.50	1.413
11	" "	10'-4"	42	7'-10"	188.62	1.531
12	" "	11'-4"	46	8'-10"	194.97	1.614
13	" "	12'-4"	46	9'-10"	200.13	1.778
14	5/8"φ-8½"	13'-4"	50	10'-10"	222.20	1.871
15	½"φ-9"	12'-8"	52	9'-5"	258.79	2.116
16	" "	13'-8"	52	10'-5"	264.30	2.283
17	5/8"φ-8½"	14'-8"	56	11'-5"	287.95	2.376
18	5/8"φ-7"	15'-8"	56	12'-5"	304.70	2.571
19	5/8"φ-6"	16'-8"	60	13'-5"	324.85	2.784
20	3/4"φ-8"	17'-8"	66	14'-5"	340.63	2.895
21	3/4"φ-7"	18'-8"	66	15'-5"	359.17	3.006
22	3/4"φ-8"	19'-0"	72	14'-10"	443.65	3.426
23	3/4"φ-7"	20'-0"	72	15'-10"	463.07	3.537
24	" "	21'-0"	76	16'-10"	472.81	3.648
25	" "	22'-0"	84	17'-10"	485.28	3.759

TWO WINGS AND ONE APRON

DESIGN No.	H	K	M	M1	N	W	X	Y	Z
1	5'-0"	3'-1"	5'-3⅞"	9'-3"	4'-7½"	24'-2½"	8'-0⅛"	12'-4⅞"	2'-7⅞"
2	6'-0"	3'-7½"	6'-3¾"	10'-1"	5'-5½"	26'-1⅞"	9'-5½"	12'-4⅞"	3'-1⅞"
3	7'-0"	4'-3"	7'-4⅛"	12'-9"	6'-4½"	28'-5¾"	11'-0½"	12'-4⅞"	3'-8"
4	3'-0¾"	1'-11½"	3'-4⅞"	5'-11"	2'-11½"	22'-8¼"	5'-1½"	14'-8⅝"	1'-8½"
5	4'-0¾"	2'-6½"	4'-4¾"	7'-7"	3'-9½"	24'-7⅜"	6'-6¾"	14'-8⅝"	2'-2⅜"
6	5'-0¾"	3'-1½"	5'-4⅝"	9'-4"	4'-8"	26'-7⅝"	8'-1"	14'-8⅝"	2'-8⅜"
7	6'-0¾"	3'-8½"	6'-4½"	11'-1"	5'-6½"	28'-7⅝"	9'-7⅛"	14'-8⅝"	3'-2¼"
8	7'-0¾"	4'-3½"	7'-4⅞"	12'-10"	6'-5"	30'-10⅞"	11'-1⅜"	14'-8⅝"	3'-8½"
9	4'-3½"	2'-8"	4'-7⅜"	8'-0"	4'-0"	29'-8⅝"	6'-11⅛"	19'-4⅛"	2'-3¾"
10	5'-3½"	3'-3"	5'-7¼"	9'-8"	4'-10"	31'-7⅞"	8'-4½"	19'-4⅛"	2'-9⅝"
11	6'-3½"	3'-9½"	6'-7⅛"	11'-5"	5'-8½"	33'-7⅞"	9'-10⅝"	19'-4⅛"	3'-3½"
12	7'-3½"	4'-5"	7'-7½"	13'-2"	6'-7"	35'-11⅜"	11'-4⅞"	19'-4⅛"	3'-9¾"
13	8'-3½"	4'-11½"	8'-7⅜"	14'-11"	7'-5½"	38'-0⅜"	12'-11"	19'-5¼"	4'-3¾"
14	9'-3½"	5'-6½"	9'-7¼"	16'-8"	8'-4"	40'-0½"	14'-5¼"	19'-5¼"	4'-9⅝"
15	7'-6"	4'-6½"	7'-10"	13'-7"	6'-9½"	41'-0"	11'-9⅛"	23'-11½"	3'-11"
16	8'-6"	5'-1"	8'-9⅞"	15'-3"	7'-7½"	43'-0½"	13'-2½"	24'-0⅝"	4'-5"
17	9'-6"	5'-8"	9'-9¾"	17'-0"	8'-6"	45'-0½"	14'-8⅝"	24'-0⅝"	4'-10⅝"
18	10'-6"	6'-3"	10'-9⅝"	18'-9"	9'-4½"	47'-2"	16'-2⅞"	24'-1⅞"	5'-4⅞"
19	11'-6"	6'-9½"	11'-9½"	20'-5"	10'-2½"	49'-2¼"	17'-8⅛"	24'-3"	5'-10¾"
20	12'-6"	7'-4½"	12'-9⅜"	22'-2"	11'-1"	51'-2½"	19'-2⅜"	24'-3"	6'-4¾"
21	13'-6"	7'-11½"	13'-9½"	23'-10"	11'-11"	53'-1⅝"	20'-7⅝"	24'-3"	6'-10⅝"
22	12'-7½"	7'-5½"	12'-10⅞"	22'-4"	11'-2"	56'-0⅜"	19'-4⅛"	28'-10⅜"	6'-5½"
23	13'-7½"	8'-0½"	13'-10¾"	24'-1"	12'-0½"	58'-0⅜"	20'-10¼"	28'-10⅜"	6'-11⅜"
24	14'-7½"	8'-7"	14'-10⅞"	25'-9"	12'-10½"	59'-11¾"	22'-3⅝"	28'-10⅜"	7'-5⅜"
25	15'-7½"	9'-2"	15'-10½"	27'-6"	13'-9"	61'-11¾"	23'-9¾"	28'-10⅜"	7'-11¼"

REINFORCING STEEL

DESIGN No.	Bars D No.	Bars D Length	Bars D1 No.	Bars D1 Length	Bars E No.	Bars E Length	Bars F1 No.	Bars F1 Length	Bars F2 No.	Bars F2 Length	Bars F3 No.	Bars F3 Length	Bars F4 No.	Bars F4 Length
1	13	5'-1"	5	2'-5" to 4'-9"	5	VARIABLE SEE DIAGRAM	3	6'-10"	2	3'-2" to 5'-9"	3	11'-5"	2	5'-8" to 9'-6"
2	13	5'-11"	6	2'-5" to 5'-4"	6		4	7'-10"	2	3'-2" to 5'-9"	4	13'-2"	2	5'-8" to 9'-6"
3	13	6'-10"	8	2'-6" to 6'-7"	7		4	8'-10"	3	3'-2" to 7'-9"	4	15'-0"	3	5'-8" to 13'-4"
4	16	3'-5"	2	2'-5" to 3'-0"	3		2	4'-11"	1	3'-2"	2	8'-2"	1	5'-8"
5	16	4'-3"	3	2'-5" to 3'-7"	4		2	5'-11"	2	3'-2" to 5'-9"	2	9'-10"	2	5'-8" to 9'-6"
6	16	5'-2"	5	2'-5" to 4'-9"	5		3	6'-11"	2	3'-2" to 5'-9"	3	11'-7"	2	5'-8" to 9'-6"
7	16	6'-0"	7	2'-5" to 5'-11"	6		4	7'-11"	2	3'-2" to 5'-9"	4	13'-4"	2	5'-8" to 9'-6"
8	16	6'-11"	8	2'-6" to 6'-7"	7		4	8'-11"	3	3'-2" to 7'-9"	4	15'-1"	3	5'-8" to 13'-4"
9	20	4'-6"	4	2'-5" to 4'-2"	5		2	6'-1"	2	3'-2" to 5'-9"	2	10'-3"	2	5'-8" to 9'-6"
10	20	5'-4"	5	2'-5" to 4'-9"	5		3	7'-1"	2	3'-2" to 5'-9"	3	11'-11"	2	5'-8" to 9'-6"
11	20	6'-2"	7	2'-5" to 5'-11"	6		3	8'-1"	3	3'-2" to 7'-9"	3	13'-8"	3	5'-8" to 13'-4"
12	20	7'-1"	8	2'-6" to 6'-7"	7		4	9'-2"	3	3'-2" to 7'-9"	4	15'-5"	3	5'-8" to 13'-4"
13	20	7'-11"	10	2'-6" to 7'-8"	8		5	10'-1"	3	3'-2" to 7'-9"	5	17'-2"	3	5'-8" to 13'-4"
14	20	8'-10"	11	2'-6" to 8'-3"	9		5	11'-1"	4	3'-2" to 10'-1"	5	18'-11"	4	5'-8" to 17'-2"
15	25	7'-3"	8	2'-6" to 6'-7"	7		5	9'-4"	3	3'-2" to 7'-9"	5	15'-10"	3	5'-8" to 13'-4"
16	25	8'-1"	10	2'-6" to 7'-8"	8		6	10'-4"	3	3'-2" to 7'-9"	6	17'-6"	4	5'-8" to 17'-2"
17	25	9'-0"	11	2'-6" to 8'-3"	9		6	11'-4"	4	3'-2" to 10'-1"	6	19'-3"	4	5'-8" to 17'-2"
18	25	9'-10"	13	2'-6" to 9'-5"	10		7	12'-4"	4	3'-2" to 10'-1"	7	21'-0"	4	5'-8" to 17'-2"
19	25	10'-8"	15	2'-6" to 10'-7"	11		7	13'-3"	5	3'-2" to 12'-4"	7	22'-8"	5	5'-8" to 21'-0"
20	25	11'-7"	16	2'-6" to 11'-2"	12		8	14'-3"	5	3'-2" to 12'-4"	8	24'-5"	5	5'-8" to 21'-0"
21	25	12'-5"	17	2'-6" to 11'-9"	12		8	15'-3"	6	3'-2" to 14'-9"	8	26'-1"	6	5'-8" to 24'-10"
22	30	11'-8"	16	2'-6" to 11'-2"	12		8	14'-5"	5	3'-2" to 12'-4"	8	24'-7"	5	5'-8" to 21'-0"
23	30	12'-6"	17	2'-6" to 11'-9"	13		8	15'-5"	6	3'-2" to 14'-9"	8	26'-4"	6	5'-8" to 24'-10"
24	30	13'-4"	19	2'-6" to 12'-11"	13		9	16'-5"	6	3'-2" to 14'-9"	9	28'-0"	6	5'-8" to 24'-10"
25	30	14'-3"	20	2'-6" to 13'-6"	14		9	17'-4"	7	3'-2" to 17'-0"	9	29'-9"	7	5'-8" to 28'-8"

DESIGN No.	Bars G1 No.	Bars G1 Length	Bars G2 No.	Bars G2 Length	Bars G3 No.	Bars G3 Length	Quant's. Reinforcing Steel Lbs.	Quant's. Class "A" Conc. Cu. Yds.
1			13	VARIABLE SEE DIAGRAM	8	VARIABLE SEE DIAGRAM	270	4.42
2			15		9		350	5.77
3			18		10		447	8.25
4			9		5		147	2.45
5			11		7		213	3.54
6			13		8		290	4.80
7			15		9		378	6.26
8			18		11		485	8.77
9			11		7		269	4.34
10			14		8		331	5.71
11			16		9		424	7.31
12			18		11		529	10.03
13	31	8'-3"	21		12		823	12.22
14	34	9'-1"	23		13		979	14.66
15			19		11		608	11.38
16	31	8'-6"	21		12		923	13.67
17	35	9'-4"	23		14		1089	16.25
18	39	10'-2"	26		15		1289	19.04
19	42	10'-11"	28		16		1485	21.93
20	46	11'-9"	30		18		1708	25.14
21	49	12'-7"	32		19		1889	28.47
22	46	11'-10"	30		18		1795	26.94
23	50	12'-8"	33		19		2036	30.50
24	54	13'-6"	35		20		2252	34.13
25	57	14'-4"	37		21		2504	38.10

TWO CURBS

DESIGN No.	Reinf. Bars Same Size as A bars: Length	Length	Quant's. Steel Lbs.	Quant's. Concrete Cu. Yds.	Concrete in one curtain wall Cu. Yds. per ft. of depth.	Total Quant's. 50'-Rdy. Reinf. Steel Lbs.	Total Quant's. 50'-Rdy. Class "A" Concrete Cu. Yds.	DESIGN No.
1	15'-6"	13'-8"	124.	1.31	0.598	6980	63.65	1
2	15'-6"	13'-10"	124.	1.32	0.646	7560	73.41	2
3	15'-10"	13'-10"	126.	1.35	0.703	8140	83.51	3
4	17'-6"	15'-7"	140.	1.49	0.560	6970	56.45	4
5	17'-6"	15'-7"	140.	1.49	0.608	7480	62.57	5
6	17'-9"	16'-0"	143.	1.50	0.658	7930	73.06	6
7	17'-10"	16'-2"	144.	1.51	0.707	8530	83.11	7
8	18'-2"	16'-2"	146.	1.54	0.763	9130	93.26	8
9	22'-2"	20'-2"	180.	1.87	0.734	11,070	88.76	9
10	22'-4"	20'-7"	182.	1.89	0.782	11,510	99.71	10
11	22'-5"	20'-9"	183.	1.90	0.831	12,120	110.11	11
12	22'-9"	20'-9"	184.	1.92	0.887	12,720	120.66	12
13	23'-0"	21'-1"	187.	1.94	0.939	13,610	135.02	13
14	23'-0"	21'-1"	187.	1.94	0.989	15,240	145.58	14
15	27'-5"	25'-5"	321.	2.31	1.012	16,700	154.14	15
16	27'-7"	25'-8"	324.	2.32	1.063	17,660	168.87	16
17	27'-7"	25'-8"	324.	2.32	1.112	19,400	179.71	17
18	27'-9"	26'-0"	327.	2.34	1.165	20,800	197.12	18
19	28'-0"	26'-3"	330.	2.36	1.215	22,390	215.81	19
20	28'-0"	26'-3"	330.	2.36	1.265	23,840	229.00	20
21	28'-0"	26'-3"	330.	2.36	1.312	25,270	242.41	21
22	32'-7"	30'-11"	526.	2.74	1.384	30,330	265.10	22
23	32'-7"	30'-11"	526.	2.74	1.433	31,920	278.99	23
24	32'-7"	30'-11"	526.	2.74	1.481	32,940	293.00	24
25	32'-7"	30'-11"	526.	2.74	1.530	34,200	307.71	25

Detailed By C.P.
Traced By A.K.
Checked By C.W. 10/53

OLD 4/16/99

43 BC-6AS4-11 L.F.

76 ORG