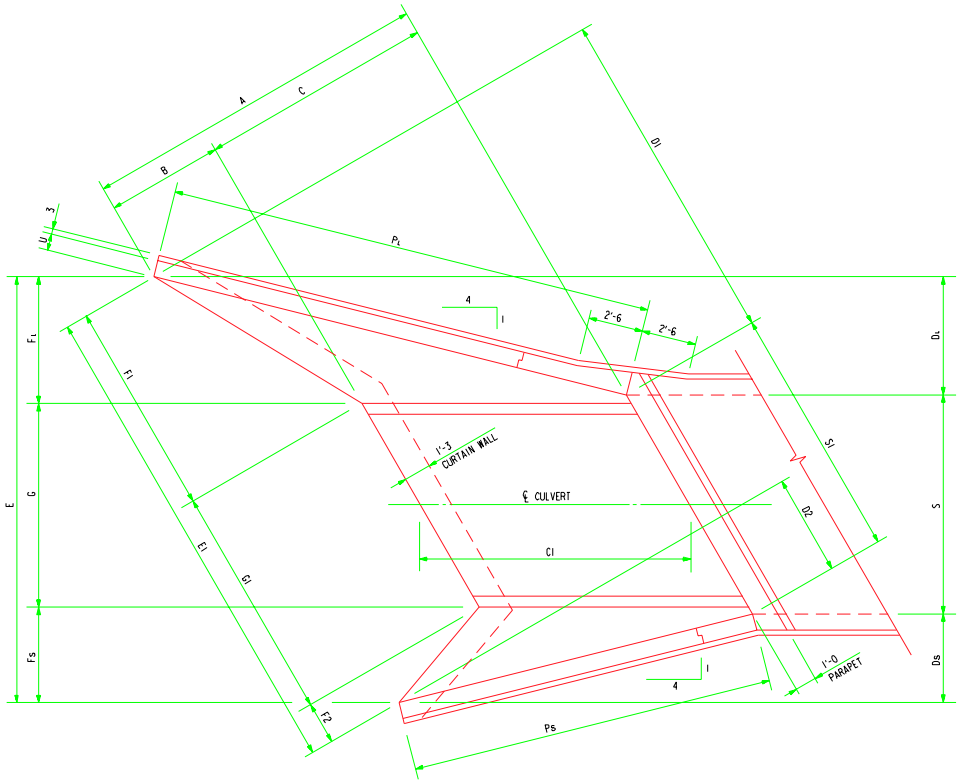

PLAN VIEW

DIMENSION TABLE

S X H	12' X 12'	12' X 10'	12' X 8'	12' X 6'	10' X 12'	10' X 10'	10' X 8'	10' X 6'	10' X 5'	10' X 4'	8' X 10'	8' X 8'	S X H
A	37'-0	31'-0	25'-0	19'-0	37'-0	31'-0	25'-0	19'-0	16'-0	13'-0	31'-0	25'-0	A
B	12"-4	10'-4	8'-4	6'-4	12"-4	10'-4	8'-4	6'-4	5'-4	4'-4	10'-4	8'-4	B
C	24'-8	20'-8	16'-8	12'-8	24'-8	20'-8	16'-8	12'-8	10'-8	8'-8	20'-8	16'-8	C
C1	28'-5 3/4	23'-10 3/8	19'-3	14'-7 1/2	28'-5 3/4	23'-10 3/8	19'-3	14'-7 1/2	12'-3 1/4	10'-0 5/8	23'-10 3/8	19'-3	C1
DL	12'-5 1/4	10'-5 1/2	8'-5 1/4	6'-4 1/8	12'-5 1/2	10'-5 1/2	8'-5 1/4	6'-4 1/8	5'-4 3/8	4'-4 1/8	10'-5 1/2	8'-5 1/4	DL
DS	9'-4	7'-9 1/8	6'-3 5/8	4'-9 1/2	9'-4	7'-9 1/8	6'-3 5/8	4'-9 1/2	4'-0 3/8	3'-3 3/8	7'-9 1/8	6'-3 5/8	DS
D1	35'-9 3/8	29'-11 1/2	24'-2 1/8	18'-4 1/2	35'-9 3/8	29'-11 1/2	24'-2 1/8	18'-4 1/2	15'-5 3/8	12'-6 7/8	29'-11 1/2	24'-2 1/8	D1
D2	10'-7	8'-10 3/8	7'-1 1/8	5'-5 1/4	10'-7	8'-10 3/8	7'-1 1/8	5'-5 1/4	4'-6 1/8	3'-8 5/8	8'-10 3/8	7'-1 1/8	D2
E	33'-9 1/2	30'-3 3/8	26'-8 1/8	23'-2 3/8	31'-9 1/2	28'-3 3/8	24'-8 1/8	21'-2 3/8	19'-5 1/4	17'-8	26'-3 3/8	22'-8 1/8	E
E1	39'-0 5/8	34'-11 1/2	30'-10 1/2	26'-9 1/2	36'-8 1/8	32'-7 1/8	28'-6 1/8	24'-5 1/2	22'-5 1/4	20'-4 1/2	30'-4 1/8	26'-3 3/4	E1
FL	12'-9 3/8	10'-9 1/2	8'-9 1/4	6'-8 7/8	12'-9 3/8	10'-9 1/2	8'-9 1/4	6'-8 1/8	5'-8 3/8	4'-8 5/8	10'-9 1/2	8'-9 1/4	FL
FS	9'-8	8'-1 1/8	6'-7 3/8	5'-1 1/2	9'-8	8'-1 1/8	6'-7 3/8	5'-1 1/2	4'-4 3/8	3'-7 3/8	8'-1 1/8	6'-7 3/8	FS
F1	21'-11	18'-5 1/8	14'-11 1/4	11'-5 3/8	21'-11	18'-5 1/8	14'-11 1/4	11'-5 3/8	9'-8 3/8	7'-11 3/8	18'-5 1/8	14'-11 1/4	F1
F2	4'-0 1/2	3'-5 3/8	2'-10 1/4	2'-3 1/8	4'-0 1/2	3'-5 3/8	2'-10 1/4	2'-3 1/4	1'-11 5/8	1'-8	3'-5 3/8	2'-10 1/4	F2
G	11'-4	11'-4	11'-4	11'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	7'-4	7'-4	G
G1	13'-1	13'-1	13'-1	13'-1	10'-9 3/8	10'-9 3/8	10'-9 3/8	10'-9 3/8	10'-9 3/8	10'-9 3/8	8'-5 5/8	8'-5 5/8	G1
G2	14'-3 7/8	14'-3 3/4	14'-3 5/8	14'-3 1/2	12'-0 1/4	12'-0	12'-0	11'-11 7/8	11'-11 3/8	11'-11 1/2	9'-8 3/4	9'-8 1/4	G2
G3	25'-1 3/8	21'-1 1/2	17'-1 1/4	13'-1	25'-1 1/4	21'-1 1/2	17'-1 1/4	13'-1	11'-0 1/2	9'-0 5/8	21'-1 1/2	17'-1 1/4	G3
G4	25'-8	21'-0 5/8	17'-0 3/8	12'-8 1/2	25'-8	21'-0 5/8	17'-0 3/8	12'-8 1/2	10'-8 1/2	8'-8 1/2	21'-0 5/8	17'-0 3/8	G4
G5	12'-11 7/8	10'-10 1/2	8'-9 1/8	6'-8 1/2	12'-11 1/4	10'-10 1/2	8'-9 1/8	6'-8 1/2	5'-8 1/4	4'-7 3/4	10'-10 1/2	8'-9 1/8	G5
G6	14'-3 1/4	11'-10 5/8	9'-9 1/8	7'-7	14'-3 1/4	11'-10 5/8	9'-9 1/8	7'-7	6'-6 1/2	5'-6 1/4	11'-10 5/8	9'-9 1/8	G6
G7	0'-2 1/4	0'-8 7/8	0'-8 7/8	1'-0	0'-2 1/4	0'-8 7/8	0'-8 7/8	1'-0	1'-0	0'-11 7/8	0'-8 7/8	0'-8 7/8	G7
G8	0'-4 3/8	0'-7 3/8	0'-7 3/8	0'-9	0'-4 3/8	0'-7 3/8	0'-7 3/8	0'-9	0'-9	0'-9	0'-7 3/8	0'-7 3/8	G8
S1	13'-10 1/4	13'-10 1/4	13'-10 1/4	13'-10 1/4	11'-6 5/8	11'-6 5/8	11'-6 5/8	11'-6 5/8	11'-6 5/8	11'-6 5/8	9'-2 1/8	9'-2 1/8	S1
PL	51'-5 3/8	43'-11 1/2	34'-9 1/4	26'-5 1/8	51'-5 3/8	43'-11 1/2	34'-9 1/4	26'-5 1/8	22'-3 1/8	18'-1	43'-11 1/2	34'-9 1/4	PL
PS	38'-5 1/4	32'-2 7/8	26'-0	19'-9 1/8	38'-5 1/2	32'-2 7/8	26'-0	19'-9 1/8	16'-7 1/4	13'-6 1/4	32'-2 7/8	26'-0	PS
RL	52'-11 1/8	44'-4 1/8	35'-9 1/8	27'-2 1/8	52'-11 1/8	44'-4 1/8	35'-9 1/8	27'-2 1/8	22'-10 5/8	18'-7 1/8	44'-4 1/8	35'-9 1/8	RL
RS	40'-5	33'-10 1/4	27'-3 3/8	20'-9	40'-5	33'-10 1/4	27'-3 3/8	20'-9 1/8	17'-5 1/4	14'-2 1/8	33'-10 1/4	27'-3 3/8	RS
T	1'-2	1'-2	1'-2	1'-2	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	11"	11"	T
U	12"	10"	10"	9"	12"	10"	10"	9"	9"	9"	10"	10"	U
W	5'-0	4'-6	4'-0	3'-6	5'-0	4'-6	4'-0	3'-6	3'-6	3'-6	4'-6	4'-0	W

S X H	8' X 6'	8' X 5'	8' X 4'	6' X 8'	6' X 6'	6' X 5'	6' X 4'	6' X 3'	5' X 6'	5' X 5'	5' X 4'	5' X 3'	S X H
A	19'-0	16'-0	13'-0	25'-0	19'-0	16'-0	13'-0	10'-0	19'-0	16'-0	13'-0	10'-0	A
B	6'-4	5'-4	4'-4	8'-4	6'-4	5'-4	4'-4	3'-4	6'-4	5'-4	4'-4	3'-4	B
C	12'-8	10'-8	8'-8	16'-8	12'-8	10'-8	8'-8	6'-8	12'-8	10'-8	8'-8	6'-8	C
C1	14'-7 1/2	12'-3 3/4	10'-0 5/8	19'-3	14'-7 1/2	12'-3 3/4	10'-0 5/8	7'-8 3/8	14'-7 1/2	12'-3 3/4	10'-0 5/8	7'-8 3/8	C1
DL	6'-4 7/8	5'-4 3/4	4'-4 5/8	8'-5 1/4	6'-4 7/8	5'-4 3/4	4'-4 5/8	3'-4 1/2	6'-4 7/8	5'-4 3/4	4'-4 5/8	3'-4 1/2	DL
DS	4'-9 1/2	4'-0 3/8	3'-3 3/8	6'-3 5/8	4'-9 1/2	4'-0 3/8	3'-3 3/8	2'-6 1/4	4'-9 1/2	4'-0 3/8	3'-3 3/8	2'-6 1/4	DS
D1	18'-4 1/2	15'-5 5/8	12'-6 7/8	24'-2 1/8	18'-4 1/2	15'-5 5/8	12'-6 7/8	9'-8	18'-4 1/2	15'-5 5/8	12'-6 7/8	9'-8	D1
D2	5'-5 1/4	4'-6 1/8	3'-8 5/8	7'-1 1/8	5'-5 1/4	4'-6 1/8	3'-8 5/8	2'-10 3/8	5'-5 1/4	4'-6 1/8	3'-8 5/8	2'-10 3/8	D2
E	19'-2 1/2	17'-5 1/4	15'-8	20'-8 7/8	17'-2 3/8	15'-5 1/4	13'-8	11'-10 1/2	16'-2 3/8	14'-5 1/4	12'-8	10'-10 1/2	E
E1	22'-2 1/4	20'-1 1/2	18'-1 1/4	23'-11 3/8	19'-10 1/2	17'-9 1/8	15'-9 1/8	13'-8 1/8	18'-8 1/2	16'-8	14'-7 1/2	12'-7	E1
FL	6'-8 7/8	5'-8 3/8	4'-8 3/8	8'-9 1/8	6'-8 7/8	5'-8 3/8	4'-8 3/8	3'-8 1/8	6'-8 7/8	5'-8 3/8	4'-8 3/8	3'-8 1/8	FL
FS	5'-1 1/2	4'-4 3/8	3'-7 3/8	6'-7 3/8	5'-1 1/2	4'-4 3/8	3'-7 3/8	2'-10 1/4	5'-1 1/2	4'-4 3/8	3'-7 3/8	2'-10 1/4	FS
F1	11'-5 3/8	9'-8 1/8	7'-11 1/8	14'-11 1/4	11'-5 3/8	9'-8 1/8	7'-11 1/8	6'-2 1/2	11'-5 3/8	9'-8 1/8	7'-11 1/8	6'-2 1/2	F1
F2	2'-3 1/8	1'-11 5/8	1'-8	2'-10 1/4	2'-3 1/8	1'-11 5/8	1'-8	1'-4 1/2	2'-3 1/8	1'-11 5/8	1'-8	1'-4 1/2	F2
G	7'-4	7'-4	7'-4	5'-4	5'-4	5'-4	5'-4	5'-4	4'-4	4'-4	4'-4	4'-4	G
G1	8'-5 5/8	8'-5 5/8	8'-5 5/8	6'-1 7/8	6'-1 7/8	6'-1 7/8	6'-1 7/8	6'-1 7/8	5'-0	5'-0	5'-0	5'-0	G1
G2	9'-8	9'-7 1/8	9'-7 1/8	7'-4 1/2	7'-4 1/2	7'-4 1/4	7'-4	7'-3 3/4	6'-2 1/2	6'-2 1/8	6'-2 1/8	6'-1 1/8	G2
G3	13'-1	11'-0 1/2	9'-0 1/8	17'-1 1/4	13'-1	11'-0 1/2	9'-0 1/8	7'-0 1/2	13'-1	11'-0 1/2	9'-0 1/8	7'-0 1/2	G3
G4	12'-8 1/2	10'-8 1/2	8'-8 1/2	17'-0 3/8	12'-8 1/2	10'-8 1/2	8'-8 1/2	6'-8 1/2	12'-8 1/2	10'-8 1/2	8'-8 1/2	6'-8 1/2	G4
G5	6'-8 1/2	5'-8 1/4	4'-7 3/4	8'-9 1/8	6'-8 1/2	5'-8 1/4	4'-7 3/4	3'-7 1/4	6'-8 1/2	5'-8 1/4	4'-7 3/4	3'-7 1/4	G5
G6	7'-7	6'-6 1/2	5'-6 1/8	9'-9 1/8	7'-7	6'-6 1/2	5'-6 1/8	4'-5 3/8	7'-7	6'-6 1/2	5'-6 1/8	4'-5 3/8	G6
G7	1'-0	1'-0	0'-11 7/8	0'-8 7/8	1'-0	1'-0	0'-11 7/8	0'-11 3/8	1'-0	1'-0	0'-11 7/8	0'-11 1/2	G7
G8	0'-9	0'-9	0'-9	0'-7 3/8	0'-9	0'-9	0'-9	0'-9	0'-9	0'-9	0'-9	0'-9	G8
S1	9'-2 7/8	9'-2 7/8	9'-2 7/8	6'-11 1/8	6'-11 1/8	6'-11 1/8	6'-11 1/8	6'-11 1/8	5'-9 1/4	5'-9 1/4	5'-9 1/4	5'-9 1/4	S1
PL	26'-5 1/8	22'-3 1/8	18'-1	34'-9 1/4	26'-5 1/8	22'-3 1/8	18'-1	13'-10 7/8	26'-5 1/8	22'-3 1/8	18'-1	13'-10 7/8	PL
PS	19'-9 1/8	16'-7 1/4	13'-6 1/4	26'-0	19'-9 1/8	16'-7 1/4	13'-6 1/4	10'-5	19'-9 1/8	16'-7 1/4	13'-6 1/4	10'-5	PS
RL	27'-2 1/8	22'-10 5/8	18'-7 1/8	35'-9 1/8	27'-2 1/8	22'-10 5/8	18'-7 1/8	14'-3 5/8	27'-2 1/8	22'-10 5/8	18'-7 1/8	14'-3 5/8	RL
RS	20'-9	17'-5 1/4	14'-2 1/8	27'-3 5/8	20'-9	17'-5 1/4	14'-2 1/8	10'-11 1/8	20'-9	17'-5 1/4	14'-2 1/8	10'-11 1/8	RS
T	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	T
U	9"	9"	9"	10"	9"	9"	9"	9"	9"	9"	9"	9"	U
W	3'-6	3'-6	3'-6	4'-0	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	W

NOTES:

1. SEE DRAWING RCB-GI-87 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.

LATEST REVISION DATE :

APPROVED BY : William A. Kendgent

STANDARD DESIGN

FLARED WING HEADWALLS

FOR
REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION
IOWA DEPARTMENT OF TRANSPORTATION

MAY , 1987

FWH 30-4-87

FWH304.SO1

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