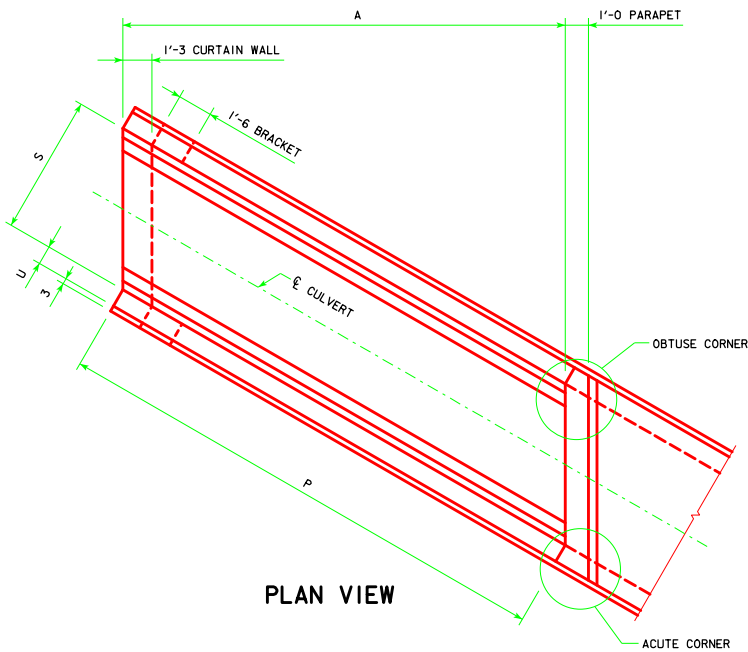


**ELEVATION SECTION**



**PLAN VIEW**

**DIMENSION TABLE**

S x H	12' x 12'	12' x 11'	12' x 10'	12' x 9'	12' x 8'	12' x 7'	12' x 6'	12' x 5'	12' x 4'	10' x 12'	10' x 11'	10' x 10'	10' x 9'	10' x 8'	10' x 7'	10' x 6'	10' x 5'	10' x 4'	S x H
A	37'-0"	34'-0"	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	37'-0"	34'-0"	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	A
H	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	H
P	42'-8 1/2"	39'-3 1/2"	35'-9 1/2"	32'-4"	28'-10 1/2"	25'-4 1/2"	21'-11 1/2"	18'-5 1/2"	15'-0"	42'-8 1/2"	39'-3 1/2"	35'-9 1/2"	32'-4"	28'-10 1/2"	25'-4 1/2"	21'-11 1/2"	18'-5 1/2"	15'-0"	P
R	44'-5 5/8"	40'-10 3/8"	37'-3 1/8"	33'-7 1/8"	30'-0 3/8"	26'-5 1/8"	22'-10 3/8"	19'-2 1/8"	15'-7 1/8"	44'-5 5/8"	40'-10 3/8"	37'-3 1/8"	33'-7 1/8"	30'-0 3/8"	26'-5 1/8"	22'-10 3/8"	19'-2 1/8"	15'-7 1/8"	R
S	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	S
T	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	T
U	1'-0"	1'-0"	10"	10"	10"	9"	9"	9"	9"	1'-0"	1'-0"	10"	10"	10"	9"	9"	9"	9"	U
W	5'-0"	4'-9"	4'-6"	4'-3"	4'-0"	3'-9"	3'-6"	3'-6"	3'-6"	5'-0"	4'-9"	4'-6"	4'-3"	4'-0"	3'-9"	3'-6"	3'-6"	3'-6"	W
M	16'-0"	15'-0"	13'-0"	12'-0"	11'-0"	9'-0"	8'-0"	6'-0"	5'-0"	16'-0"	15'-0"	13'-0"	12'-0"	11'-0"	9'-0"	8'-0"	-	-	M
B	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	B
C	6"	6"	9"	9"	9"	1'-0"	1'-0"	1'-0"	1'-0"	6"	6"	9"	9"	9"	1'-0"	1'-0"	1'-0"	1'-0"	C
D	6"	6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	6"	6"	6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	D
E	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	E

**DIMENSION TABLE**

S x H	8' x 10'	8' x 9'	8' x 8'	8' x 7'	8' x 6'	8' x 5'	8' x 4'	6' x 8'	6' x 7'	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	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	10'-0"	19'-0"	16'-0"	13'-0"	10'-0"	-	A
H	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	3'-0"	6'-0"	5'-0"	4'-0"	3'-0"	-	H
P	35'-9 3/8"	32'-4"	28'-10 1/8"	25'-4 1/8"	21'-11 1/8"	18'-5 1/8"	15'-0 3/8"	28'-10 1/8"	25'-4 1/8"	21'-11 1/8"	18'-5 1/8"	15'-0 3/8"	11'-6 3/8"	21'-11 1/8"	18'-5 1/8"	15'-0 3/8"	11'-6 3/8"	-	P
R	37'-3 1/4"	33'-7 1/4"	30'-0 3/4"	26'-5 3/4"	22'-10 3/4"	19'-2 3/4"	15'-7 1/4"	30'-0 3/4"	26'-5 3/4"	22'-10 3/4"	19'-2 3/4"	15'-7 1/4"	12'-0 1/4"	22'-10 3/4"	19'-2 3/4"	15'-7 1/4"	12'-0 1/4"	-	R
S	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	-	S
T	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	-	T
U	10"	10"	10"	9"	9"	9"	9"	10"	9"	9"	9"	9"	9"	9"	9"	9"	9"	-	U
W	4'-6"	4'-3"	4'-0"	3'-9"	3'-6"	3'-6"	3'-6"	4'-0"	3'-9"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	-	W
M	13'-0"	12'-0"	11'-0"	9'-0"	-	-	-	11'-0"	9'-0"	-	-	-	-	-	-	-	-	-	M
B	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	-	B
C	6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	-	C
D	6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	-	D
E	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	-	E

**NOTES:**

- SEE DRAWING RCB-G1-12 AND RCB-G2-12 FOR GENERAL NOTES, SPECIFICATIONS, AND DESIGN STRESSES.
- SEE DRAWING PWH 30-2-12 THRU 30-4-12 FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.
- SEE DRAWING PWH 30-5-12 THRU PWH 30-9-12 FOR HEADWALL NOTES.

LATEST REVISION DATE

*Thomas E. M. Donnell*  
APPROVED BY BRIDGE ENGINEER



**Iowa Department of Transportation**  
Highway Division

STANDARD DESIGN - SINGLE REINFORCED CONCRETE BOX CULVERTS

**PARALLEL WING HEADWALLS**

APRIL, 2012

**DIMENSION TABLE**  
30° SKEW

**PWH 30-1-12**