

Note to Designer:
 The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

NO.	DATE	DESCRIPTION OF REVISIONS
1	2-12	Original Issue
2	5-15	Added 3'-4.5' height for existing box extensions only
3		
4		

DIMENSIONS

Span	Hgt.	0° Skew				5° Skew				10° Skew				15° Skew				20° Skew				25° Skew				30° Skew				35° Skew				40° Skew				45° Skew					
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D		
6'	3'	6'-7 1/2"	4'-8 1/4"	2'-4 1/4"	6'-8"	4'-8 1/2"	1'-9 3/8"	3'-0 1/2"	6'-6 1/4"	6'-8"	4'-9 1/8"	1'-2 1/8"	3'-11 1/4"	6'-9 3/4"	6'-1 1/4"	4'-10 1/8"	6 3/8"	4'-7 3/8"	6'-7 1/8"	6'-0"	4'-11 3/4"	5'-7 1/2"	6'-8 1/2"	6'-0"	5'-2 1/2"	6'-8 1/8"	6'-8 1/8"	5'-6"	5'-6 1/8"	7'-10 1/8"	6'-7 3/8"	5'-6"	5'-10 1/8"	9'-1 1/2"	6'-4 3/4"	5'-0"	6'-4 1/2"	10'-10 1/8"	6'-3 3/8"	5'-0"	6'-11 1/8"	12'-5 1/8"	5'-9 3/8"
	4'	8'-0 3/8"	4'-8 1/4"	2'-11 1/8"	8'-1 1/8"	4'-8 1/2"	2'-2 1/8"	3'-8 1/8"	7'-10 1/8"	8'-1 1/8"	4'-9 1/8"	1'-5 1/4"	4'-8 1/4"	8'-1 1/8"	7'-7 1/4"	4'-10 1/8"	8"	5'-9 1/8"	8'-2 3/4"	7'-6"	4'-11 3/4"	6'-11"	8'-2 1/4"	7'-6"	5'-2 1/2"	8'-1 1/8"	8'-1 1/8"	7'-0"	5'-6 1/8"	9'-5"	7'-10 1/4"	6'-6"	5'-10 1/8"	10'-9 1/8"	7'-6 1/2"	6'-6"	6'-4 1/2"	12'-7 1/4"	7'-3 3/8"	6'-0"	6'-11 1/8"	15'-1 1/4"	7'-0 1/4"
	5'	9'-5 1/4"	4'-8 1/4"	3'-5 1/4"	9'-6 1/4"	4'-8 1/2"	2'-6 1/4"	4'-6 1/4"	9'-8 1/8"	9'-7 3/8"	4'-9 1/8"	1'-8 1/8"	5'-5 1/4"	9'-4 1/4"	9'-1 1/8"	4'-10 1/8"	9 1/2"	6'-7 1/2"	9'-5 1/2"	9'-0"	4'-11 3/4"	7'-10 1/2"	9'-4 3/4"	8'-6"	5'-2 1/2"	9'-2 1/4"	9'-2 1/4"	8'-0"	5'-6 1/8"	10'-11 1/8"	9'-2 1/4"	8'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	6'	10'-10 1/4"	4'-8 1/4"	3'-11 1/8"	11'-0 1/8"	4'-8 1/2"	2'-11 1/8"	5'-1 1/8"	11'-0 1/8"	11'-1 1/8"	4'-9 1/8"	1'-11 1/8"	6'-5 1/4"	11'-1 1/4"	10'-7 1/8"	4'-10 1/8"	11 1/2"	7'-9 1/4"	11'-1 1/4"	10'-6"	4'-11 3/4"	9'-2"	10'-11 1/8"	10'-0"	5'-2 1/2"	10'-7 1/4"	10'-7 1/4"	9'-6"	5'-6 1/8"	12'-5 1/4"	10'-5 1/8"	9'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	7'	12'-3 1/2"	4'-8 1/4"	4'-5 1/2"	12'-5 1/2"	4'-8 1/2"	3'-4 1/8"	5'-9 1/2"	12'-5"	12'-6 1/8"	4'-9 1/8"	2'-2 1/8"	7'-2 1/4"	12'-5 1/4"	12'-1"	4'-10 1/8"	1'-0 1/8"	8'-7 3/8"	12'-3 1/8"	12'-0"	4'-11 3/4"	10'-1 1/2"	12'-0 1/8"	11'-6"	5'-2 1/2"	12'-0 1/4"	12'-0 1/4"	11'-0"	5'-6 1/8"	14'-0 1/8"	11'-9"	10'-6"	5'-10 1/8"	16'-1 1/8"	11'-3 1/4"	10'-0"	6'-4 1/2"	19'-1 1/8"	11'-0 1/8"	9'-6"	6'-11 1/8"	21'-11 1/8"	10'-2 1/4"
8'	3'	6'-7 1/2"	4'-8 1/4"	2'-4 1/4"	6'-8"	4'-8 1/2"	1'-9 3/8"	3'-0 1/2"	6'-6 1/4"	6'-8"	4'-9 1/8"	1'-2 1/8"	3'-11 1/4"	6'-9 3/4"	6'-1 1/4"	4'-10 1/8"	6 3/8"	4'-7 3/8"	6'-7 1/8"	6'-0"	4'-11 3/4"	5'-7 1/2"	6'-8 1/2"	6'-0"	7'-3 3/8"	5'-7 1/2"	6'-8 1/2"	5'-6"	5'-6 1/8"	7'-10 1/8"	6'-7 3/8"	5'-6"	5'-10 1/8"	9'-1 1/2"	6'-4 3/4"	5'-0"	6'-4 1/2"	10'-10 1/8"	6'-3 3/8"	5'-0"	6'-11 1/8"	12'-5 1/8"	5'-9 3/8"
	4'	8'-0 3/8"	4'-8 1/4"	2'-11 1/8"	8'-1 1/8"	4'-8 1/2"	2'-2 1/8"	3'-8 1/8"	7'-10 1/8"	8'-1 1/8"	4'-9 1/8"	1'-5 1/4"	4'-8 1/4"	8'-1 1/8"	7'-7 1/4"	4'-10 1/8"	8"	5'-9 1/8"	8'-2 3/4"	7'-6"	4'-11 3/4"	6'-11"	8'-2 1/4"	7'-6"	5'-2 1/2"	8'-1 1/8"	8'-1 1/8"	7'-0"	5'-6 1/8"	9'-5"	7'-10 1/4"	6'-6"	5'-10 1/8"	10'-9 1/8"	7'-6 1/2"	6'-6"	6'-4 1/2"	12'-7 1/4"	7'-3 3/8"	6'-0"	6'-11 1/8"	15'-1 1/4"	7'-0 1/4"
	5'	9'-5 1/4"	4'-8 1/4"	3'-5 1/4"	9'-6 1/4"	4'-8 1/2"	2'-6 1/4"	4'-6 1/4"	9'-8 1/8"	9'-7 3/8"	4'-9 1/8"	1'-8 1/8"	5'-5 1/4"	9'-4 1/4"	9'-1 1/8"	4'-10 1/8"	9 1/2"	6'-7 1/2"	9'-5 1/2"	9'-0"	4'-11 3/4"	7'-10 1/2"	9'-4 3/4"	8'-6"	5'-2 1/2"	9'-2 1/4"	9'-2 1/4"	8'-0"	5'-6 1/8"	10'-11 1/8"	9'-2 1/4"	8'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	6'	10'-10 1/4"	4'-8 1/4"	3'-11 1/8"	11'-0 1/8"	4'-8 1/2"	2'-11 1/8"	5'-1 1/8"	11'-0 1/8"	11'-1 1/8"	4'-9 1/8"	1'-11 1/8"	6'-5 1/4"	11'-1 1/4"	10'-7 1/8"	4'-10 1/8"	11 1/2"	7'-9 1/4"	11'-1 1/4"	10'-6"	4'-11 3/4"	9'-2"	10'-11 1/8"	10'-0"	5'-2 1/2"	10'-7 1/4"	10'-7 1/4"	9'-6"	5'-6 1/8"	12'-5 1/4"	10'-5 1/8"	9'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	7'	12'-3 1/2"	4'-8 1/4"	4'-5 1/2"	12'-5 1/2"	4'-8 1/2"	3'-4 1/8"	5'-9 1/2"	12'-5"	12'-6 1/8"	4'-9 1/8"	2'-2 1/8"	7'-2 1/4"	12'-5 1/4"	12'-1"	4'-10 1/8"	1'-0 1/8"	8'-7 3/8"	12'-3 1/8"	12'-0"	4'-11 3/4"	10'-1 1/2"	12'-0 1/8"	11'-6"	5'-2 1/2"	12'-0 1/4"	12'-0 1/4"	11'-0"	5'-6 1/8"	14'-0 1/8"	11'-9"	10'-6"	5'-10 1/8"	16'-1 1/8"	11'-3 1/4"	10'-0"	6'-4 1/2"	19'-1 1/8"	11'-0 1/8"	9'-6"	6'-11 1/8"	21'-11 1/8"	10'-2 1/4"
8'	14'-3 3/4"	5'-9 1/2"	5'-2 1/2"	14'-0 1/2"	5'-9 1/2"	3'-9 1/8"	6'-6 1/4"	13'-11 1/8"	14'-1 1/8"	8'-0 1/8"	2'-5 1/8"	8'-0 1/8"	13'-11 1/8"	13'-7 1/2"	8'-2 1/8"	1'-2 1/4"	9'-8 3/8"	13'-10 1/8"	13'-6"	8'-5 1/4"	11'-8 1/4"	13'-11 1/8"	13'-0"	8'-9 1/2"	13'-9 1/2"	13'-9 1/2"	12'-0"	9'-3"	16'-0"	13'-5 1/8"	11'-6"	9'-9 1/8"	18'-8 1/8"	13'-1 1/8"	11'-0"	10'-6 1/8"	21'-7 1/2"	12'-5 1/4"	11'-0"	11'-4 1/2"	25'-7 1/2"	11'-11 1/2"	
10'	3'	6'-7 1/2"	4'-8 1/4"	2'-4 1/4"	6'-8"	4'-8 1/2"	1'-9 3/8"	3'-0 1/2"	6'-6 1/4"	6'-8"	4'-9 1/8"	1'-2 1/8"	3'-11 1/4"	6'-9 3/4"	6'-1 1/4"	4'-10 1/8"	6 3/8"	4'-7 3/8"	6'-7 1/8"	6'-0"	4'-11 3/4"	5'-7 1/2"	6'-8 1/2"	6'-0"	7'-3 3/8"	5'-7 1/2"	6'-8 1/2"	5'-6"	5'-6 1/8"	7'-10 1/8"	6'-7 3/8"	5'-6"	5'-10 1/8"	9'-1 1/2"	6'-4 3/4"	5'-0"	6'-4 1/2"	10'-10 1/8"	6'-3 3/8"	5'-0"	6'-11 1/8"	12'-5 1/8"	5'-9 3/8"
	4'	8'-0 3/8"	4'-8 1/4"	2'-11 1/8"	8'-1 1/8"	4'-8 1/2"	2'-2 1/8"	3'-8 1/8"	7'-10 1/8"	8'-1 1/8"	4'-9 1/8"	1'-5 1/4"	4'-8 1/4"	8'-1 1/8"	7'-7 1/4"	4'-10 1/8"	8"	5'-9 1/8"	8'-2 3/4"	7'-6"	4'-11 3/4"	6'-11"	8'-2 1/4"	7'-6"	5'-2 1/2"	8'-1 1/8"	8'-1 1/8"	7'-0"	5'-6 1/8"	9'-5"	7'-10 1/4"	6'-6"	5'-10 1/8"	10'-9 1/8"	7'-6 1/2"	6'-6"	6'-4 1/2"	12'-7 1/4"	7'-3 3/8"	6'-0"	6'-11 1/8"	15'-1 1/4"	7'-0 1/4"
	5'	9'-5 1/4"	4'-8 1/4"	3'-5 1/4"	9'-6 1/4"	4'-8 1/2"	2'-6 1/4"	4'-6 1/4"	9'-8 1/8"	9'-7 3/8"	4'-9 1/8"	1'-8 1/8"	5'-5 1/4"	9'-4 1/4"	9'-1 1/8"	4'-10 1/8"	9 1/2"	6'-7 1/2"	9'-5 1/2"	9'-0"	4'-11 3/4"	7'-10 1/2"	9'-4 3/4"	8'-6"	5'-2 1/2"	9'-2 1/4"	9'-2 1/4"	8'-0"	5'-6 1/8"	10'-11 1/8"	9'-2 1/4"	8'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	6'	10'-10 1/4"	4'-8 1/4"	3'-11 1/8"	11'-0 1/8"	4'-8 1/2"	2'-11 1/8"	5'-1 1/8"	11'-0 1/8"	11'-1 1/8"	4'-9 1/8"	1'-11 1/8"	6'-5 1/4"	11'-1 1/4"	10'-7 1/8"	4'-10 1/8"	11 1/2"	7'-9 1/4"	11'-1 1/4"	10'-6"	4'-11 3/4"	9'-2"	10'-11 1/8"	10'-0"	5'-2 1/2"	10'-7 1/4"	10'-7 1/4"	9'-6"	5'-6 1/8"	12'-5 1/4"	10'-5 1/8"	9'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	7'	12'-3 1/2"	4'-8 1/4"	4'-5 1/2"	12'-5 1/2"	4'-8 1/2"	3'-4 1/8"	5'-9 1/2"	12'-5"	12'-6 1/8"	4'-9 1/8"	2'-2 1/8"	7'-2 1/4"	12'-5 1/4"	12'-1"	4'-10 1/8"	1'-0 1/8"	8'-7 3/8"	12'-3 1/8"	12'-0"	4'-11 3/4"	10'-1 1/2"	12'-0 1/8"	11'-6"	5'-2 1/2"	12'-0 1/4"	12'-0 1/4"	11'-0"	5'-6 1/8"	14'-0 1/8"	11'-9"	10'-6"	5'-10 1/8"	16'-1 1/8"	11'-3 1/4"	10'-0"	6'-4 1/2"	19'-1 1/8"	11'-0 1/8"	9'-6"	6'-11 1/8"	21'-11 1/8"	10'-2 1/4"
8'	14'-3 3/4"	5'-9 1/2"	5'-2 1/2"	14'-0 1/2"	5'-9 1/2"	3'-9 1/8"	6'-6 1/4"	13'-11 1/8"	14'-1 1/8"	8'-0 1/8"	2'-5 1/8"	8'-0 1/8"	13'-11 1/8"	13'-7 1/2"	8'-2 1/8"	1'-2 1/4"	9'-8 3/8"	13'-10 1/8"	13'-6"	8'-5 1/4"	11'-8 1/4"	13'-11 1/8"	13'-0"	8'-9 1/2"	13'-9 1/2"	13'-9 1/2"	12'-0"	9'-3"	16'-0"	13'-5 1/8"	11'-6"	9'-9 1/8"	18'-8 1/8"	13'-1 1/8"	11'-0"	10'-6 1/8"	21'-7 1/2"	12'-5 1/4"	11'-0"	11'-4 1/2"	25'-7 1/2"	11'-11 1/2"	
9'	15'-9"	7'-9 3/8"	5'-8 1/4"	15'-6 1/8"	7'-9 3/8"	4'-1 1/8"	7'-4 3/8"	15'-10"	15'-7 1/2"	7'-10 1/4"	2'-9"	9'-1 1/4"	15'-9 1/4"	15'-1 1/2"	8'-0 1/8"	1'-3 1/8"	10'-10 1/2"	15'-6 1/8"	15'-0"	8'-2 1/2"	13'-0 1/8"	15'-6 1/8"	14'-6"	8'-7 1/8"	15'-3 1/8"	15'-3 1/8"	13'-6"	9'-0 1/2"	17'-1 1/4"	14'-9 1/4"	13'-0"	9'-7 1/8"	20'-5 1/2"	14'-3 1/8"	12'-6"	10'-3 1/8"	23'-10 1/8"	13'-9 1/8"	12'-0"	11'-1 1/8"	28'-0 1/4"	13'-1"	
10'	17'-2 1/4"	7'-7 1/4"	6'-3"	16'-11 1/4"	7'-7 1/2"	4'-6 1/8"	8'-0 1/8"	17'-2 1/4"	17'-1 1/4"	7'-8 1/2"	3'-0 1/4"	9'-10 1/2"	17'-1 1/4"	16'-7 1/2"	7'-10 1/4"	1'-5 1/2"	11'-9 1/4"	16'-9 1/8"	16'-5"	8'-0 1/8"	14'-0 1/4"	16'-8 1/8"	15'-6"	8'-4 1/4"	16'-4 1/4"	16'-4 1/4"	15'-0"	8'-9 1/2"	19'-2 1/2"	16'-1 1/2"	14'-0"	9'-4 1/4"	22'-7 1/4"	15'-9 1/8"	13'-6"	10'-0 1/8"	26'-2 1/2"	15'-1 1/2"	13'-0"	10'-9 1/4"	30'-5 1/4"	14'-2 1/2"	
12'	3'	6'-7 1/2"	4'-8 1/4"	2'-4 1/4"	6'-8"	4'-8 1/2"	1'-9 3/8"	3'-0 1/2"	6'-6 1/4"	6'-8"	4'-9 1/8"	1'-2 1/8"	3'-11 1/4"	6'-9 3/4"	6'-1 1/4"	4'-10 1/8"	6 3/8"	4'-7 3/8"	6'-7 1/8"	6'-0"	4'-11 3/4"	5'-7 1/2"	6'-8 1/2"	6'-0"	7'-3 3/8"	5'-7 1/2"	6'-8 1/2"	5'-6"	5'-6 1/8"	7'-10 1/8"	6'-7 3/8"	5'-6"	5'-10 1/8"	9'-1 1/2"	6'-4 3/4"	5'-0"	6'-4 1/2"	10'-10 1/8"	6'-3 3/8"	5'-0"	6'-11 1/8"	12'-5 1/8"	5'-9 3/8"
	4'	8'-0 3/8"	4'-8 1/4"	2'-11 1/8"	8'-1 1/8"	4'-8 1/2"	2'-2 1/8"	3'-8 1/8"	7'-10 1/8"	8'-1 1/8"	4'-9 1/8"	1'-5 1/4"	4'-8 1/4"	8'-1 1/8"	7'-7 1/4"	4'-10 1/8"	8"	5'-9 1/8"	8'-2 3/4"	7'-6"	4'-11 3/4"	6'-11"	8'-2 1/4"	7'-6"	5'-2 1/2"	8'-1 1/8"	8'-1 1/8"	7'-0"	5'-6 1/8"	9'-5"	7'-10 1/4"	6'-6"	5'-10 1/8"	10'-9 1/8"	7'-6 1/2"	6'-6"	6'-4 1/2"	12'-7 1/4"	7'-3 3/8"	6'-0"	6'-11 1/8"	15'-1 1/4"	7'-0 1/4"
	5'	9'-5 1/4"	4'-8 1/4"	3'-5 1/4"	9'-6 1/4"	4'-8 1/2"	2'-6 1/4"	4'-6 1/4"	9'-8 1/8"	9'-7 3/8"	4'-9 1/8"	1'-8 1/8"	5'-5 1/4"	9'-4 1/4"	9'-1 1/8"	4'-10 1/8"	9 1/2"	6'-7 1/2"	9'-5 1/2"	9'-0"	4'-11 3/4"	7'-10 1/2"	9'-4 3/4"	8'-6"	5'-2 1/2"	9'-2 1/4"	9'-2 1/4"	8'-0"	5'-6 1/8"	10'-11 1/8"	9'-2 1/4"	8'-0"	5'-10 1/8"	14'-5 1/8"	10'-1 1/8"	8'-6"	6'-4 1/2"	16'-11 1/8"	9'-9 1/8"	8'-6"	6'-11 1/8"	19'-8 1/8"	9'-2 1/4"
	6'	10'-10 1/4"	4'-8 1/4"	3'-11 1/8"	11'-0 1/8"	4'-8 1/2"	2'-11 1/8"	5'-1 1/8"	11'-0 1/8"	11'-1 1/8"	4'-9 1/8"	1'-11 1/8"	6'-5 1/4"	11'-1 1/4"	10'-7 1/8"	4'-10 1/8"</																											