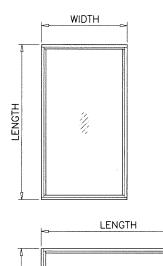


DESIGN LOAD CAPACITY - PSF										DESIGN LOAD CAPACITY - PSF																		
WINDOW DIMS.			GLASS TYPE GLASS TYPE 'A' 'A1'		GLASS TYPE		GLASS TYPES		GLASS TYPE		GLASS TYPE				GLASS TYPE		GLASS TYPE		GLASS TYPE		GLASS TYPES		GLASS TYPE		GLASS TYPE			
WINDO	LENGTH	EXT.(+)		ļ	1NT.(-)	EXT.(+)	12'	'B' & EXT.(+)		EXT.(+)	C'	EXT.(+)	CI'		W DIMS.	EVT (1)	A'	EXT.(+)	11	EXT.(+)	12'	'B' &		EXT.(+)	C'	EXT.(+)	CI'	1
36"	LLNGIH	100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	WIDTH 36"	LENGIA	100.0	110.0	70.0	70.0	100.0	110.0	60.0	1NT.(-) 60.0	70.0	70.0	60.0	60.0	
42"	48" 54" 72" 60" 66" 72"	100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42"		70.0	70.0	70.0	70.0	-	-	60.0	60.0	70.0	70.0	60.0	60.0	1
48"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	48"		70.0	70.0	70.0	70.0	-	-	60.0	60.0		_	-	_	Ŧ
54"		91.2	100.3	70.0	70.0	91.2	100.3	54.6	54.6	63.8	63.8	60.0	60.0	54"	120"	70.0	70.0	70.0	70.0	-	_	54.6	54.6	_	_		- 1	LENGTH
60"		82.1	90.3	70.0	70.0	82.1	90.3	49.1	49.1	57.5	57.5	57.5	57.5	60"		70.0	70.0	70.0	70.0	-	_		_	_	_		_	
		74.6	82.1	70.0	70.0	74.6	82.1	44.7	44.7	52.2	52.2	52.2	52.2	66"		70.0	70.0	70.0	70.0		_	<u> </u>	-	_	_	-		
		70.0	70.0	70.0	70.0	-	-	40.9	40.9	47.9	47.9	47.9	47.9	72"		70.0	70.0	70.0	70.0		_		-	-	-			
36" 42"		100.0	110.0	70.0	70.0	100.0	110.0	60.0 60.0	60.0	70.0	70.0	60.0	60.0	36"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	Ŷ
48"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42" 48"		70.0	70.0	70.0	70.0		_	60.0	60.0	70.0	70.0	60.0	60.0	
54"	78"	91.2	100.3	70.0	70.0	91.2	100.3	54.6	54.6	63.8	63.8	60.0	60.0	54"	126"	70.0	70.0	70.0	70.0	_	_	-	-	_	_	_		
60"	50"	82.1	90.3	70.0	70.0	82.1	90.3	49.1	49.1	57.5	57.5	57.5	57.5	60"		70.0	70.0	70.0	70.0	_	_	_	_	_	_	_	_	A
66"		70.0	70.0	70.0	70.0	_	_	44.7	44.7	52.2	52.2	52.2	52.2	66"		70.0	70.0	70.0	70.0			_	_	-	-	_	_	I
72"		70.0	70.0	70.0	70.0	_		40.9	40.9	-	-	-	_	72"		70.0	70.0	70.0	70.0	_	_	_	_		_	-	_	WIDTH
36"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	36"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	
42"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42"		70.0	70.0	70.0	70.0		_	60.0	60.0	_	-	_		V
48"	0.48	100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	48"		70.0	70.0	70.0	70.0	-	-	60.0	60.0					NOTE
54"	84"	70.0	100.3	70.0	70.0	91.2	100.3	54.6	54.6	63.8	63.8	60.0	60.0	54"	132"	70.0	70.0	70.0	70.0	_	-	_	_	_	_	_		<u>Note</u> Widt
60" 66"	66"	70.0	70.0	70.0 70.0	70.0		_	49.1	49.1	57.5	57.5 —	57.5	57.5	60"	66" 72" 36"	70.0	70.0	70.0	70.0		_		_					BE C
72"		70.0	70.0	70.0	70.0	_	-	40.9	40.9	_		_	_	1		70.0	70.0	70.0	70.0	_		_	_	_	_	***	_	11011
36"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	h		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	
42"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42"	,,	70.0	70.0	70.0	70.0	-	_	60.0	60.0	-	_	_	_	
48"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	48"		70.0	70.0	70.0	70.0	_	-	_	_	-	_	***	-	
54"	90"	91.2	100.3	70.0	70.0	91.2	100.3	54.6	54.6	63.8	63.8	60.0	60.0	54"	138"	70.0	70.0	70.0	70.0	_		_	_	-	_	_	_	
60"		70.0	70.0	70.0	70.0	-	_	49.1	49.1	-	-	_		60"		70.0	70.0	70.0	70.0		-	_	_	<u></u>		_	-	
66"		70.0	70.0	70.0	70.0			44.7	44.7		_	-		66"		70.0	70.0	70.0	70.0		_		-		-	_	-	
72"		70.0	70.0	70.0	70.0	100.0	1100	40.9	40.9	70.0	70.0			72"		70.0	70.0	70.0	70.0	_		-	-	70.0	70.0	-	-	
36" 42"		100.0	110.0	70.0 70.0	70.0	100.0	110.0	60.0 60.0	60.0	70.0 70.0	70.0	60.0	60.0	36" 42"		70.0	70.0	70.0	70.0 70.0	_	_	60.0	60.0	70.0	70.0	60.0	60.0	
48"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	48" 54" 144" 60"		70.0	70.0	70.0	70.0	_		- 00.0	- 00.0	_	_			
54"	96"	70.0	70.0	70.0	70.0	_	_	54.6	54.6	63.8	63.8	60.0	60.0		144"	70.0	70.0	70.0	70.0		_	_	_	_	_	_		
60"		70.0	70.0	70.0	70.0	_	_	49.1	49.1	-	_	-	-		70.0	70.0	70.0	70.0		_	1 –	_	_	_	_	_		
66"		70.0	70.0	70.0	70.0	_	_	44.7	44.7	-	-	_	-	66"	1	70.0	70.0	70.0	70.0	_	_	-	_	-	_	_	-	
72"		70.0	70.0	70.0	70.0			_	_	-	_	-		72"		70.0	70.0	70.0	70.0	_		-	_	_	_	-	_	
36"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	36"		70.0	70.0	70.0	70.0	-	_	-	-		_			
42"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42"		70.0	70.0	70.0	70.0	_	-		_		_			
48" 54"	102"	100.0 70.0	70.0	70.0	70.0	100.0	108.0	60.0 54.6	60.0 54.6	70.0	70.0	60.0	60.0	48"	148"	70.0	70.0	70.0	70.0 70.0	_	_	-	_					
60"	102	70.0	70.0	70.0	70.0	_	_	49.1	49.1		_	_	_	54" 60"		70.0	70.0	70.0	70.0		_	-	_	_				
66"		70.0	70.0	70.0	70.0			_	-		_	_		66"		70.0	70.0	70.0	70.0		_		_		_		_	
72"		70.0	70.0	70.0	70.0	_		_		_	-	_	_	36"		70.0	70.0	70.0	70.0	_	_	 	_	_	_	_	_	
36"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42"		70.0	70.0	70.0	70.0	_	-	-	_	_	_	_	_	
42"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	48"	152"	70.0	70.0	70.0	70.0	_	-	-	-	-	-	_	-	
48"		70.0	70.0	70.0	70.0	_	-	60.0	60.0	70.0	70.0	60.0	60.0	54" 60" 66"	132	70.0	70.0	70.0	70.0	_	_	_	_	-	-	-	_	
54"	108"	70.0	70.0	70.0	70.0	_	_	54.6	54.6	_	_	-				70.0	70.0	70.0	70.0	_	_		_		_	_		
60"		70.0	70.0	70.0	70.0	_	_	49.1	49.1	-						70.0	70.0	70.0	70.0	-	_		_	_		_		
66" 72"		70.0	70.0 70.0	70.0	70.0 70.0		_	_	-		_			36"		70.0	70.0	70.0	70.0	-	-		-	_	-	-		
36"		70.0 100.0	110.0	70.0 70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	42" 48"		70.0	70.0	70.0	70.0 70.0	_	_		_		_	_	_	,
42"		100.0	110.0	70.0	70.0	100.0	110.0	60.0	60.0	70.0	70.0	60.0	60.0	54"	156"	70.0	70.0	70.0	70.0		_		_	_	_			-
48"		70.0	70.0	70.0	70.0	-	-	60.0	60.0				-	60"		70.0	70.0	70.0	70.0	_				_	_	_		-
54"	114"	70.0	70.0	70.0	70.0	_	_	54.6	54.6	-		_	_	66"		70.0	70.0	70.0	70.0	_	-	_	-	_	_			/-
60"		70.0	70.0	70.0	70.0	_	_	-				_	-		NOTE: Sealed: 7/25/2023								/2022 					
66"		70.0	70.0	70.0	70.0	_	_		_	-		_	_				CAPAC	CITIES ON	N THI	IS SHEE	ET AF	RE		3	caled:			000
72"		70.0	70.0	70.0	70.0		_	_		_	_				B	ASED (ON AS	TM E1	300-0	09 (3	SEC.	GUSTS	5).			Fl	43	3000



NOTE: WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP—ANL\W15-17/7/1

Coastline Direct Glaze 124

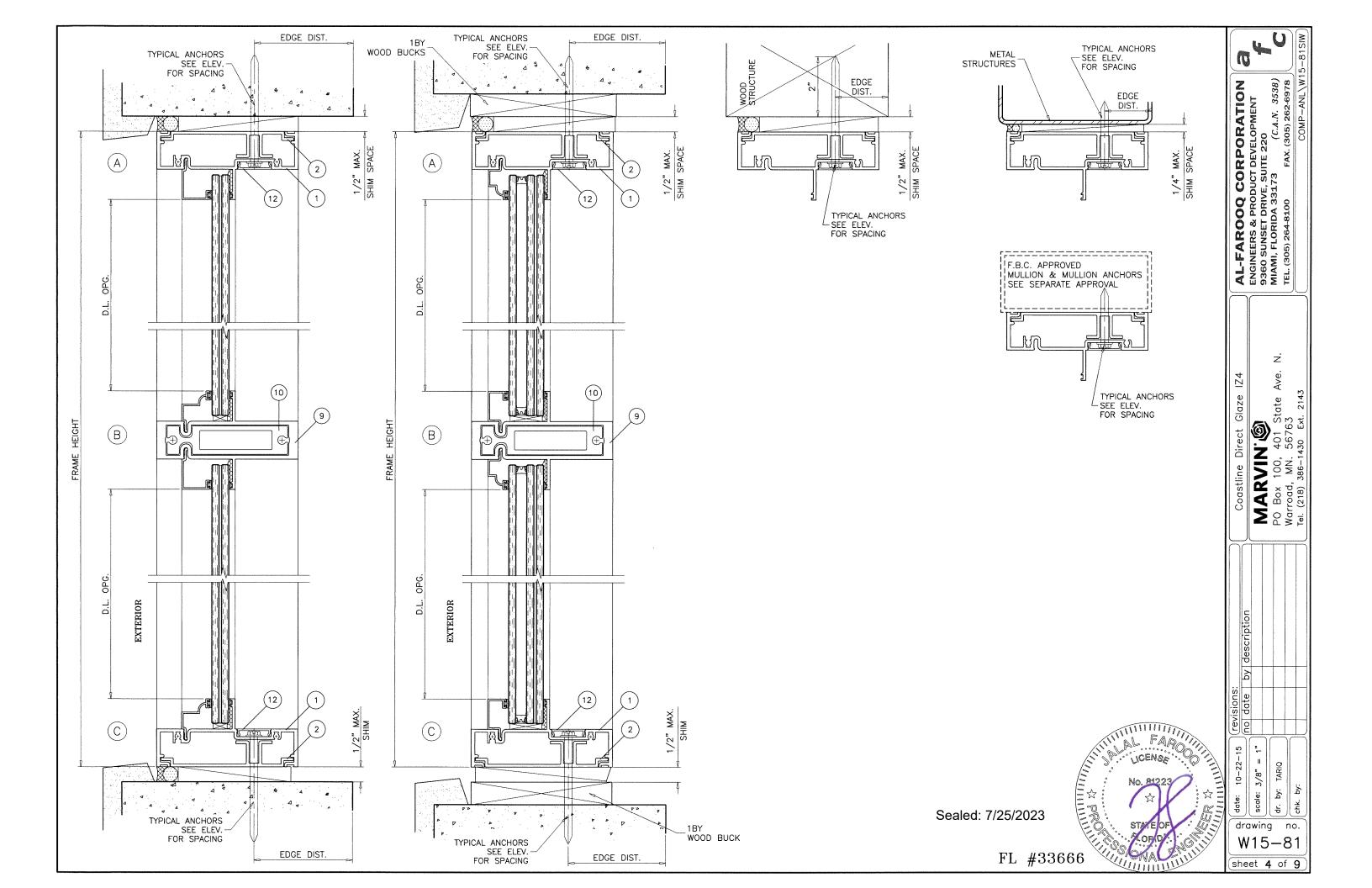
MARVIN®
PO Box 100, 401 State Ave. N
Warroad, MN. 56763
Tel. (218) 386-1430 Ext. 2143

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revisions: 10-22-15

FL #33666

dr. by: chk. by: date: drawing no. W15 - 81sheet 3 of 9



WOOD BUCKS AND METAL STRUCTURE NOT BY 'MARVIN' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO WOOD STRUCTURES

2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS

2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

DIRECTLY INTO BLOCKS

2" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN.

ANCHOR CL TO CL DISTANCE

INTO CONCRETE AND BLOCKS= 3" MIN.

TYPE 'B'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

DIRECTLY INTO CONCRETE

2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN.

ANCHOR CL TO CL DISTANCE

INTO CONCRETE = 3" MIN

TYPE 'C'- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE OR BLOCKS

2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

ANCHOR CL TO CL DISTANCE

INTO CONCRETE = 3" MIN.

INTO FILLED BLOCKS = 5" MIN.

TYPE 'D'- #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO F.B.C. APPROVED MULLIONS

OR

INTO METAL STRUCTURES

(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

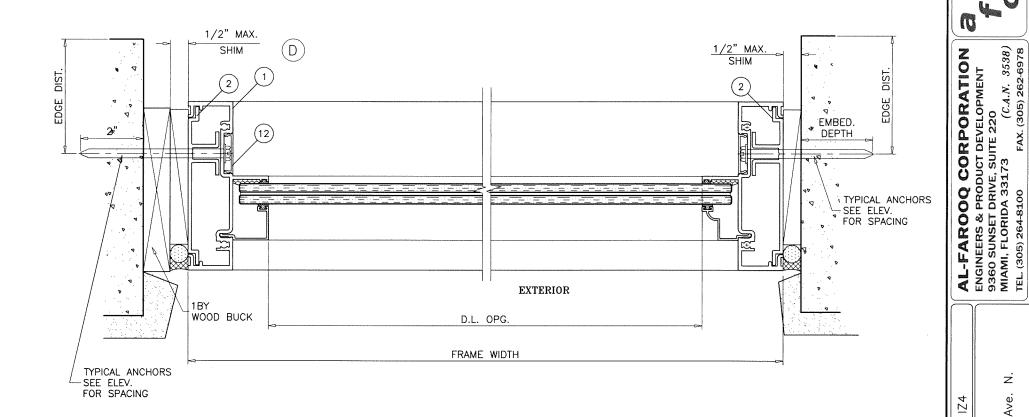
ANCHOR EDGE DISTANCES

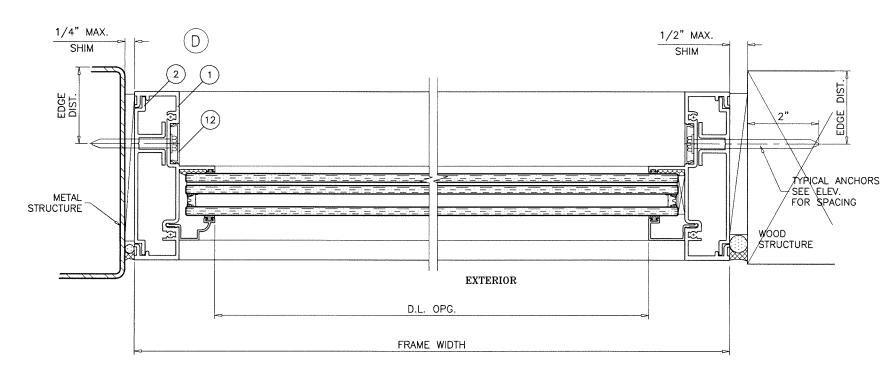
INTO METAL STRUCTURE = 1/2" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.





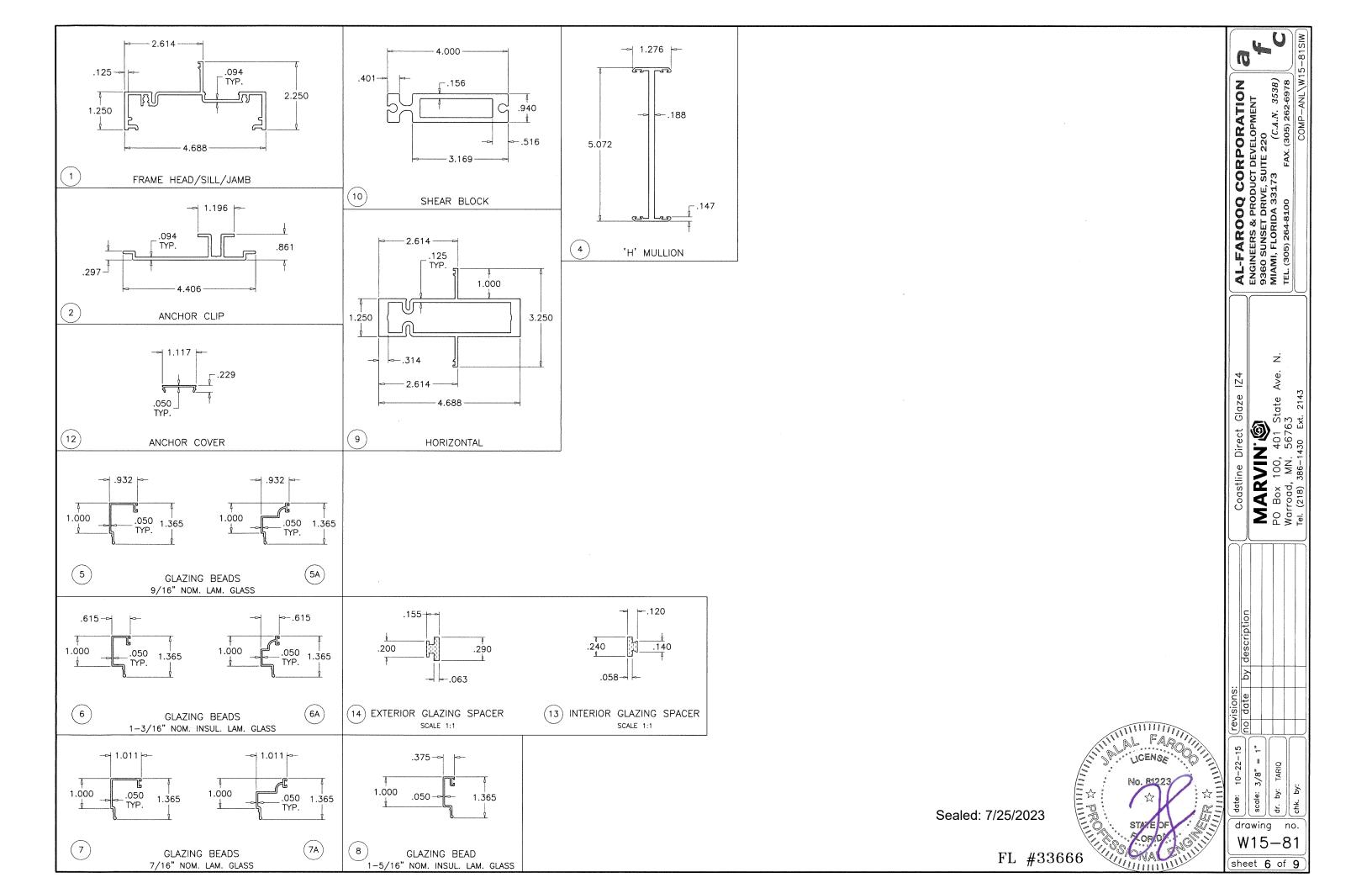
Sealed: 7/25/2023

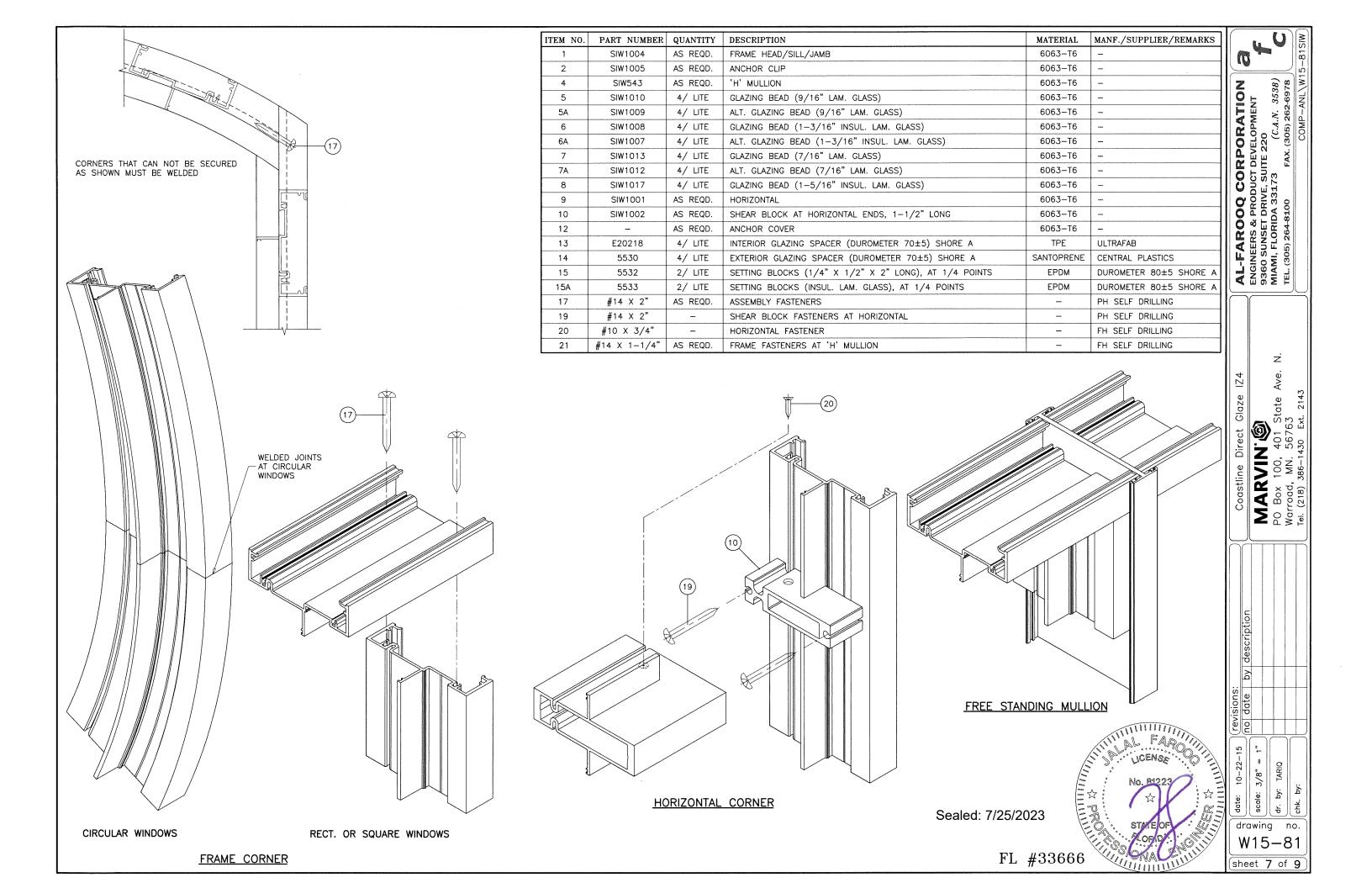
FL #33666

W15-81 sheet 5 of 9

401 State 56763

MARVIN @



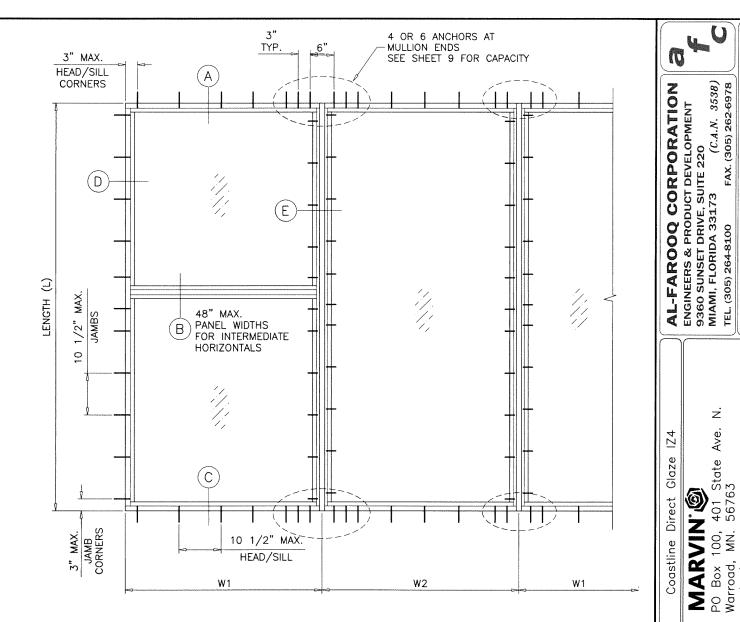


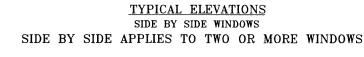
MULLIO	N LOAD CAP	ACITY -	PSF				
WINDOV		'H' MU	JLLION				
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)				
36"		110.0	110.0				
42"		110.0	110.0				
48"		110.0	110.0				
54"	72"	110.0	110.0				
60"	/2	110.0	110.0				
66"		110.0					
69"		110.0	110.0				
72"		70.0	70.0				
36"		110.0	110.0				
42"		110.0	110.0				
48"		110.0	110.0				
54"		110.0	110.0				
60"	78"	110.0	110.0				
64"	:	110.0	110.0				
66"		70.0	70.0				
68"		70.0	70.0				
72"		60.0	60.0				
36"		110.0	110.0				
42"		110.0	110.0				
48"		110.0	110.0				
54"		110.0	110.0				
59"	84"	110.0	110.0				
60"		70.0	70.0				
63"		70.0	70.0				
66"		60.0	60.0				
72"		60.0	60.0				
36"		110.0	110.0				
42"		110.0	110.0				
48"		110.0	110.0				
54"		110.0	110.0				
55"	90"	110.0	110.0				
59"		70.0	70.0				
60"		60.0					
66"		60.0	60.0				
36"		110.0	110.0				
42"		110.0	110.0				
48"		110.0	110.0				
52"	9	110.0	110.0				
54"	96"	70.0	70.0				
55"		70.0	70.0				
60"		60.0	60.0				
66"		60.0	60.0				
36"		110.0	110.0				
42"		110.0	110.0				
48"	102"	110.0	110.0				
52"		70.0	70.0				
54"		60.0	60.0				
60"		60.0	60.0				
36"		70.0	70.0				
42"	108"	70.0	70.0				
48" 54"		70.0	70.0				
~A		60.0	60.0				

MULLION LOAD CAPACITY - PSF													
WINDOV	V DIMS.	'H' MULLION											
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)										
36"		60.0	60.0										
42"		60.0	60.0										
48"	114"	60.0	60.0										
54"		60.0	60.0										
36"		60.0	60.0										
42"	120"	60.0	60.0										
48"		60.0	60.0										
36"		60.0	60.0										
42"	126"	60.0	60.0										
48"		60.0	60.0										
36"		60.0	60.0										
42"	132"	60.0	60.0										
48"		60.0	60.0										

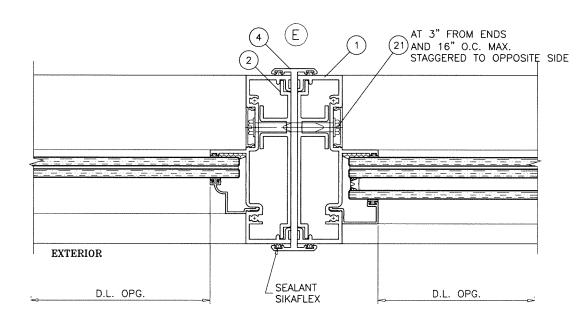
NOTES:

- 1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
- 2. USE CHARTS ON SHEET 9 FOR MULLION ANCHOR CAPACITY.
- 3. FOR FIXED WINDOW CAPACITY SEE SHEET 3.
- 4. LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.





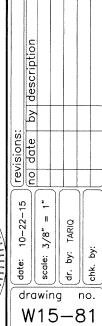
WIDTH (W) = $\frac{W1 + W2}{2}$



 $\frac{\text{TOTAL PRPERTIES}}{\text{Ix} = 11.214 \text{ IN} \sqrt{4}}$ $Sx = 2.536 \text{ IN} \setminus 3$

Sealed: 7/25/2023

FL #33666



sheet 8 of 9

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Ave.

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Warroad, MN. 56763
Tel. (218) 386-1430 Ext.

MULLION ANCHOR LOAD CAPACITY - PSF																						
ANCHOR TYPE ANCHOR TYPE 'A' ANCHOR TYPE 'B' ANCHOR TYPE 'C' ANCHOR TYPE													TVDE 'D'									
SHIM SPACE		1/4" MAX. SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM		1/4" M	1/4" MAX. SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM		1/4" MAX. SHIM		3/8" MAX. SHIM 1/2" MAX. SH					
<u> </u>		4 ANCHORS		<u> </u>	6 ANCHORS				6 ANCHORS	 	6 ANCHORS		6 ANCHORS	 	6 ANCHORS		6 ANCHORS		6 ANCHORS	4 ANCHORS	·	
WIDTH (W)	LENGTH (L)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	
36"	22.0 (2)	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 108.7	INT. (-) 110.0	INT. (-) 84.5	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 108.7	INT. (-) 110.0	INT. (-) 84.5	INT. (-)	INT. (-) 110.0	INT. (-)	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 110.0	INT. (-) 110.0	
42"	72"	110.0	110.0	98.6	110.0	76.7	110.0	110.0	110.0	98.6	110.0	76.7	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	
48"		110.0	110.0	91.7	110.0	71.3	107.0	110.0	110.0	91.7	110.0	71.3	107.0	110.0	110.0	110.0	110.0	103.0	110.0	110.0	110.0	
54"		110.0	110.0	86.9	110.0	67.6	101.4	110.0	110.0	86.9	110.0	67.6	101.4	110.0	110.0	110.0	110.0	97.7	110.0	110.0	110.0	
60" 66"		110.0 110.0	110.0	83.8 82.1	110.0	65.2 63.8	97.8 95.7	110.0	110.0	83.8	110.0	65.2	97.8	110.0	110.0	110.0	110.0	94.2	110.0	110.0	110.0	
72"		70.0	70.0	70.0	70.0	63.4	70.0	110.0 70.0	110.0 70.0	82.1 70.0	110.0 70.0	63.8 63.4	95.7 70.0	70.0	70.0	70.0	110.0 70.0	92.2 70.0	70.0	110.0 70.0	110.0 70.0	
36"		110.0	110.0	97.8	110.0	76.1	110.0	110.0	110.0	97.8	110.0	76.1	110.0	110.0	110.0	110.0	110.0	109.9	110.0	110.0	110.0	
42"		110.0	110.0	88.3	110.0	68.6	102.9	110.0	110.0	88.3	110.0	68.6	102.9	110.0	110.0	110.0	110.0	99.1	110.0	110.0	110.0	
48"	A A A A A A A A A A A A A A A A A A A	110.0	110.0	81.5	110.0	63.4	95.1	110.0	110.0	81.5	110.0	63.4	95.1	110.0	110.0	110.0	110.0	91.6	110.0	110.0	110.0	
54"	78"	104.6	110.0	76.7	110.0	59.6	89.5	110.0	110.0	76.7	110.0	59.6	89.5	110.0	110.0	109.2	110.0	86.2	110.0	110.0	110.0	
60" 66"	WARRIA A CARROLLA CONTRACTOR A CARROLLA CONTRACTOR A CARROLLA CARR	100.0 70.0	110.0 70.0	73.4 70.0	110.0 70.0	57.0 55.3	85.6 70.0	110.0 70.0	110.0 70.0	73.4 70.0	110.0 70.0	57.0 55.3	85.6 70.0	70.0	70.0	70.0	110.0 70.0	82.4 70.0	70.0	70.0	110.0 70.0	
72"		60.0	60.0	60.0	60.0	54.3	60.0	60.0	60.0	60.0	60.0	54.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
36"	The state of the s	110.0	110.0	88.9	110.0	69.1	103.7	110.0	110.0	88.9	110.0	69.1	103.7	110.0	110.0	110.0	110.0	99.9	110.0	110.0	110.0	
42"	No.	108.8	110.0	79.8	110.0	62.1	93.1	110.0	110.0	79.8	110.0	62.1	93.1	110.0	110.0	110.0	110.0	89.7	110.0	110.0	110.0	
48"		100.0	110.0	73.4	110.0	57.0	85.6	110.0	110.0	73.4	110.0	57.0	85.6	110.0	110.0	104.4	110.0	82.4	110.0	110.0	110.0	
54"	84"	93.6 70.0	110.0 70.0	68.6 65.2	103.0 70.0	53.4 50.7	80.1 70.0	110.0 70.0	110.0	68.6	103.0	53.4	80.1	110.0	110.0	97.7	110.0	77.1	110.0	110.0	110.0	
60" 66"		60.0	60.0	60.0	60.0	48.8	60.0	60.0	70.0 60.0	65.2 60.0	70.0 60.0	50.7 48.8	70.0 60.0	70.0 60.0	70.0	70.0 60.0	70.0 60.0	70.0 60.0	70.0 60.0	70.0 60.0	70.0 60.0	
72"		60.0	60.0	60.0	60.0	47.5	60.0	60.0	60.0	60.0	60.0	47.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
36"		110.0	110.0	81.5	110.0	63.4	95.1	110.0	110.0	81.5	110.0	63.4	95.1	110.0	110.0	110.0	110.0	91.6	110.0	110.0	110.0	
42"		99.4	110.0	72.9	109.4	56.7	85.0	110.0	110.0	72.9	109.4	56.7	85.0	110.0	110.0	103.8	110.0	81.9	110.0	110.0	110.0	
48"	90"	90.9	110.0	66.7	100.0	51.9	77.8	110.0	110.0	66.7	100.0	51.9	77.8	110.0	110.0	94.9	110.0	74.9	110.0	110.0	110.0	
54" 60"		84.7 60.0	110.0 60.0	62.1 58.7	93.2	48.3 45.6	72.4 60.0	110.0 60.0	110.0	62.1 58.7	93.2 60.0	48.3 45.6	72.4 60.0	110.0 60.0	110.0	88.4	110.0	69.8	104.6	110.0	110.0	
66"		60.0	60.0	56.2	60.0	43.7	60.0	60.0	60.0	56.2	60.0	43.7	60.0	60.0	60.0	60.0 60.0	60.0	60.0 60.0	60.0	60.0 60.0	60.0	
36"		102.6	110.0	75.2	110.0	58.5	87.8	110.0	110.0	75.2	110.0	58.5	87.8	110.0	110.0	107.1	110.0	84.5	110.0	110.0	110.0	
42"		91.4	110.0	67.1	100.6	52.2	78.2	110.0	110.0	67.1	100.6	52.2	78.2	110.0	110.0	95.5	110.0	75.3	110.0	110.0	110.0	
48"	96"	83.3	110.0	61.1	91.7	47.5	71.3	110.0	110.0	61.1	91.7	47.5	71.3	110.0	110.0	87.0	110.0	68.7	103.0	110.0	110.0	
54"		70.0	70.0	56.7	70.0	44.1	66.1	70.0	70.0	56.7	70.0	44.1	66.1	70.0	70.0	70.0	70.0	63.7	70.0	70.0	70.0	
60" 66"		60.0 60.0	60.0	53.4 50.8	60.0	41.5 39.5	60.0 59.3	60.0 60.0	60.0 60.0	53.4 50.8	60.0 60.0	41.5 39.5	60.0 59.3	60.0 60.0	60.0	60.0 60.0	60.0	59.9 57.1	60.0 60.0	60.0 60.0	60.0	
36"		95.2	110.0	69.9	104.8	54.3	81.5	110.0	110.0	69.9	104.8	54.3	81.5	110.0	110.0	99.4	110.0	78.5	110.0	110.0	110.0	
42"		84.7	110.0	62.1	93.2	48.3	72.4	110.0	110.0	62.1	93.2	48.3	72.4	110.0	110.0	88.4	110.0	69.8	104.6	110.0	110.0	
48"	102"	76.9	110.0	56.4	84.6	43.9	65.8	110.0	110.0	56.4	84.6	43.9	65.8	104.3	110.0	80.3	110.0	63.4	95.1	110.0	110.0	
54"		60.0	60.0	52.2	60.0	40.6	60.0	60.0	60.0	52.2	60.0	40.6	60.0	60.0	60.0	60.0	60.0	58.6	60.0	60.0	60.0	
60" 36"		60.0 70.0	60.0 70.0	48.9 65.2	60.0 70.0	38.0 50.7	57.0 70.0	60.0 70.0	60.0 70.0	48.9 65.2	60.0 70.0	38.0 50.7	57.0	60.0 70.0	70.0	60.0 70.0	60.0	54.9	70.0	60.0	60.0	
36 42"		70.0	70.0	57.8	70.0	45.0	67.4	70.0	70.0	57.8	70.0 70.0	45.0	70.0 67.4	70.0 70.0	70.0	70.0 70.0	70.0	70.0 64.9	70.0	70.0 70.0	70.0	
48"	108"	70.0	70.0	52.4	70.0	40.7	61.1	70.0	70.0	52.4	70.0	40.7	61.1	70.0	70.0	70.0	70.0	58.9	70.0	70.0	70.0	
54"		60.0	60.0	48.3	60.0	37.6	56.3	60.0	60.0	48.3	60.0	37.6	56.3	60.0	60.0	60.0	60.0	54.3	60.0	60.0	60.0	
36"		60.0	60.0	60.0	60.0	47.5	60.0	60.0	60.0	60.0	60.0	47.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
42"	114"	60.0	60.0	54.1	60.0	42.1	60.0	60.0	60.0	54.1	60.0	42.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
48" 54"		60.0 60.0	60.0 60.0	48.9 45.0	60.0	38.0 35.0	57.0 52.5	60.0 60.0	60.0	48.9	60.0	38.0	57.0	60.0	60.0	60.0	60.0	54.9	60.0	60.0	60.0	
36"		60.0	60.0	57.5	60.0	44.7	60.0	60.0	60.0 60.0	45.0 57.5	60.0 60.0	35.0 44.7	52.5 60.0	60.0 60.0	60.0	60.0 60.0	60.0 60.0	50.5 60.0	60.0	60.0 60.0	60.0 60.0	
42"	120"	60.0	60.0	50.8	60.0	39.5	59.3	60.0	60.0	50.8	60.0	39.5	59.3	60.0	60.0	60.0	60.0	57.1	60.0	60.0	60.0	
48"		60.0	60.0	45.9	60.0	35.7	53.5	60.0	60.0	45.9	60.0	35.7	53.5	60.0	60.0	60.0	60.0	51.5	60.0	60.0	60.0	
36"		60.0	60.0	54.3	60.0	42.3	60.0	60.0	60.0	54.3	60.0	42.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
42"	126"	60.0	60.0	47.9	60.0	37.3	55.9	60.0	60.0	47.9	60.0	37.3	55.9	60.0	60.0	60.0	60.0	53.8	60.0	60.0	60.0	
48" 36"		58.8 60.0	60.0 60.0	43.2 51.5	60.0	33.6 40.0	50.3 60.0	60.0 60.0	60.0 60.0	43.2 51.5	60.0 60.0	33.6 40.0	50.3	60.0	60.0	60.0	60.0	48.5	60.0	60.0	60.0	
42"	132"	60.0	60.0	45.3	60.0	35.2	52.9	60.0	60.0	45.3	60.0	35.2	60.0 52.9	60.0 60.0	60.0	60.0 60.0	60.0 60.0	57.8 50.9	60.0	60.0 60.0	60.0 60.0	
48"		55.6	60.0	40.8	60.0	31.7	47.5	60.0	60.0	40.8	60.0	31.7	47.5	60.0	60.0	58.0	60.0	45.8	60.0	60.0	60.0	



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