

**SPECIFICATIONS AND NOTES**

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +225.9 LBS/FT & -255.6 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 8'

DESIGN LOADS  
+25.1 PSF  
-28.4 PSF

TEST LOADS  
(1.5 x DESIGN LOADS)  
+37.7 PSF  
-42.6 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)  
Structural Solutions, PA (TX Firm #F-004063)

STATE OF TEXAS  
THOMAS L. SHELMERDINE  
85829  
LICENSED PROFESSIONAL ENGINEER  
TX

5921-G W. Friendly Ave., Greensboro, NC 27410

**Amarr**

MODEL #500 AMARR CLASSICA 1000, 2000

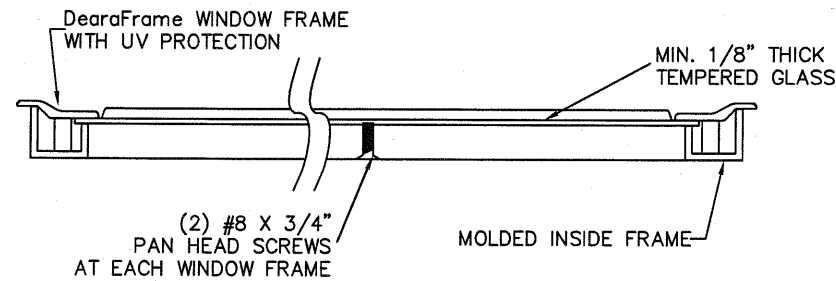
SIZE	DRAWN BY	DRC	DATE	06/30/2020	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	07/08/2020	IRC-5318-130-24

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165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

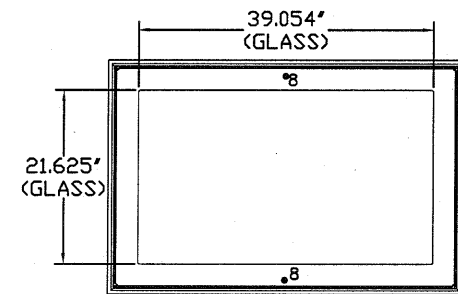
SHEET 1 OF 3

# GLAZING OPTION CROSS SECTION

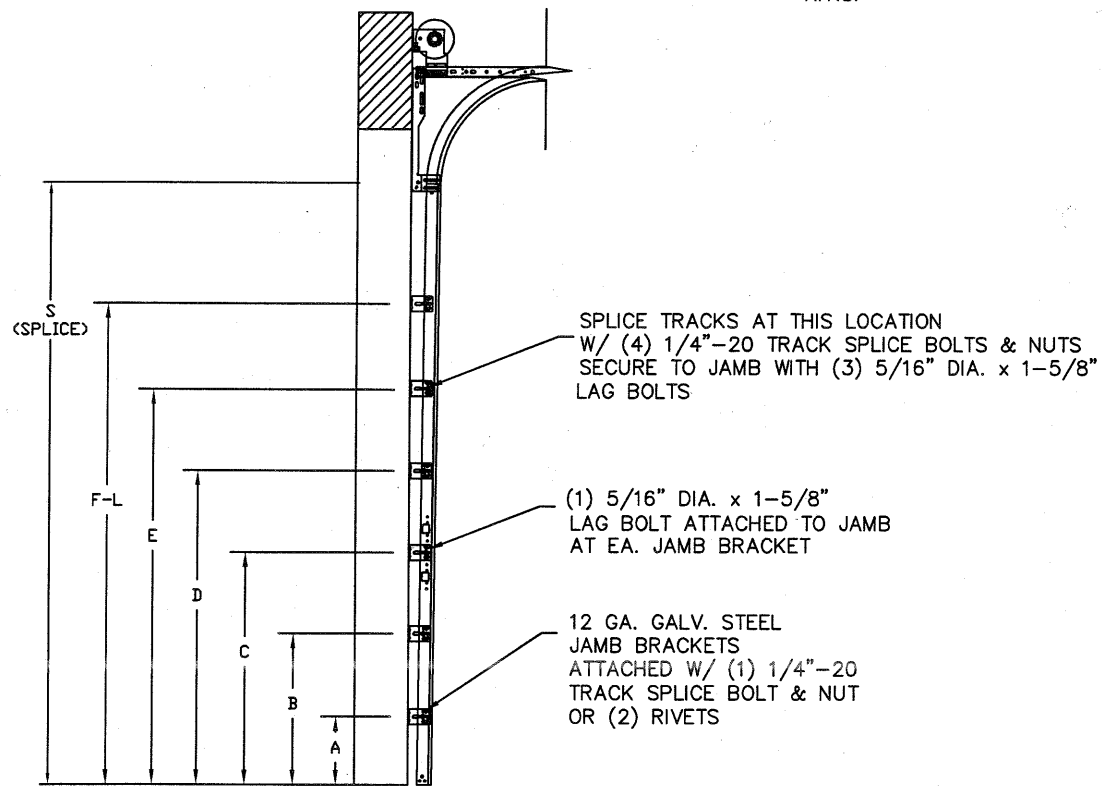
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION  
GLAZING MEETS ASTM E1300-04



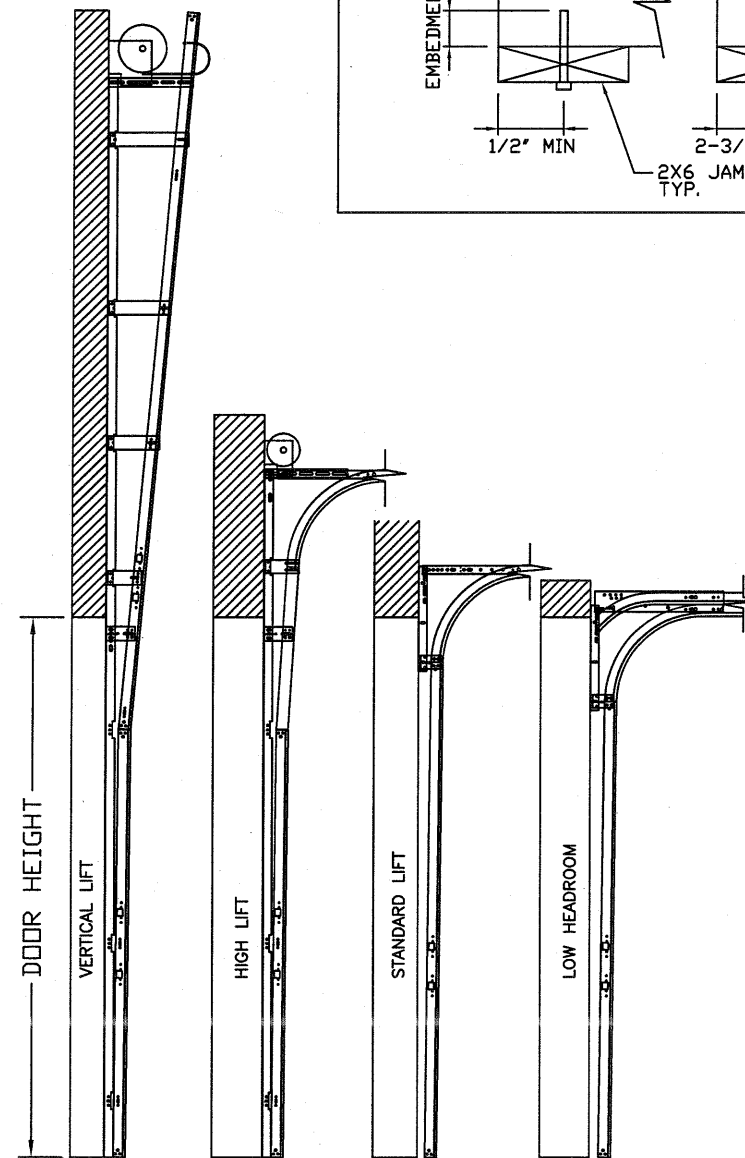
SECTION B-B



SHORT PANEL GLAZING FASTENER DETAIL  
N.T.S.



TRACK CONFIGURATION FOR 8' TALL DOORS  
N.T.S. SEE TABLE 3 FOR LOCATIONS

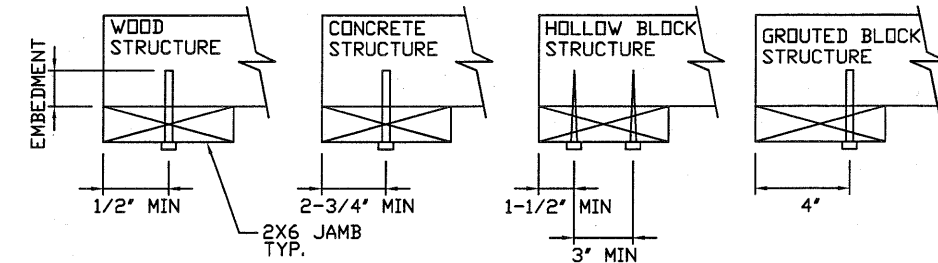


AVAILABLE TRACK CONFIGURATIONS  
N.T.S.

# WOOD JAMB ATTACHMENT TO STRUCTURE

- 2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE  
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" O.C. (1 1/2" EMBEDMENT)
- 2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE  
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)  
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 18" O.C. (1 1/4" EMBEDMENT)  
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
- 2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK  
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/2" EMBEDMENT)  
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)
- 2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)  
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 22" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

\*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.  
\*PREPARATION OF WOOD JAMBS BY OTHERS



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE  
18' x 8'

DESIGN LOADS  
+25.1 PSF  
-28.4 PSF

TEST LOADS  
(1.5 x DESIGN LOADS)  
+37.7 PSF  
-42.6 PSF

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SHEET 2 OF 3

TABLE 2

SECTION	STRUT SIZE
TOP	4.5"
	4.5"
7TH	4.5"
	4.5"
6TH	4.5"
	4.5"
5TH	4.5"
	4.5"
4TH	4.5"
	4.5"
3RD	4.5"
	4.5"
2ND	4.5"
	4.5"
BOTTOM	4.5"
	4.5"

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT												TYPICAL SPLICE	
	A	B	C	D	E	F	G	H	I	J	K	L		
7' 0"	10"	22"	34"	46"	58"									76"
7' 6"	10"	22"	34"	46"	58"	70"								82"
8' 0"	10"	22"	34"	46"	58"	70"								88"
8' 6"	10"	22"	34"	46"	58"	70"	82"							94"
9' 0"	10"	22"	34"	46"	58"	70"	82"							100"
9' 6"	10"	22"	34"	46"	58"	70"	82"	94"						106"
10' 0"	10"	22"	34"	46"	58"	70"	82"	94"						112"
11' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"					124"
12' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				136"
13' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			148"
14' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		160"

ALL TRACK AND ATTACHMENT SPACING +/-2" ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

TABLE 4

Section	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed		
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negative (PSF)
09' 2	28.13	55.00	81.88				36.8	41.6
09' 4	28.63	56.00	83.38				36.1	40.9
09' 6	29.13	57.00	84.88				35.5	40.1
09' 8	29.63	58.00	86.38				34.9	39.4
09' 10	30.13	59.00	87.88				34.3	38.8
10' 0	30.63	60.00	89.38				33.7	38.1
10' 2	31.13	61.00	90.88				33.1	37.5
10' 4	31.63	62.00	92.38				32.6	36.9
10' 6	32.13	63.00	93.88				32.1	36.3
10' 8	32.63	64.00	95.38				31.6	35.7
10' 10	33.13	65.00	96.88				31.1	35.2
11' 0	33.63	66.00	98.38				30.6	34.7
11' 2	34.13	67.00	99.88				30.2	34.1
11' 4	34.63	68.00	101.38				29.7	33.6
11' 6	35.13	69.00	102.88				29.3	33.2
11' 8	35.63	70.00	104.38				28.9	32.7
11' 10	36.13	71.00	105.88				28.5	32.2
12' 0	24.625	48.31	72	95.688	119.38		37.5	42.4
12' 2	25.125	49.06	73	96.938	120.88		36.9	41.8
12' 4	25.625	49.81	74	98.188	122.38		36.4	41.2
12' 6	26.125	50.56	75	99.438	123.88		36.0	40.7
12' 8	26.625	51.31	76	100.69	125.38		35.5	40.2
12' 10	27.125	52.06	77	101.94	126.88		35.0	39.6
13' 0	27.625	52.81	78	103.19	128.38		34.6	39.1
13' 2	28.125	53.56	79	104.44	129.88		34.1	38.6
13' 4	28.625	54.31	80	105.69	131.38		33.7	38.1
13' 6	29.125	55.06	81	106.94	132.88		33.3	37.7
13' 8	29.625	55.81	82	108.19	134.38		32.9	37.2
13' 10	30.125	56.56	83	109.44	135.88		32.5	36.8
14' 0	30.625	57.31	84	110.69	137.38		32.1	36.3
14' 2	31.125	58.06	85	111.94	138.88		31.7	35.9
14' 4	31.625	58.81	86	113.19	140.38		31.4	35.5
14' 6	32.125	59.56	87	114.44	141.88		31.0	35.1
14' 8	32.625	60.31	88	115.69	143.38		30.7	34.7
14' 10	33.125	61.06	89	116.94	144.88		30.3	34.3
15' 0	33.625	61.81	90	118.19	146.38		30.0	33.9
15' 2	34.125	62.56	91	119.44	147.88		29.6	33.5
15' 4	34.625	63.31	92	120.69	149.38		29.3	33.2
15' 6	47.42	70.21	93.00	115.79	138.58		28.8	32.6
15' 8	48.02	71.01	94.00	116.99	139.98		28.5	32.2
15' 10	48.62	71.81	95.00	118.19	141.38		28.2	31.9
16' 0	48.42	72.21	96.00	119.79	143.58		28.0	31.7
16' 2	48.75	72.88	97.00	121.13	145.25		27.7	31.4
16' 4	49.08	73.54	98.00	122.46	146.92		27.5	31.1
16' 6	49.42	74.21	99.00	123.79	148.59		27.2	30.8
16' 8	49.92	74.96	100.00	125.04	150.09		27.0	30.5
16' 10	50.42	75.71	101.00	126.29	151.59		26.7	30.2
17' 0	50.92	76.46	102.00	127.54	153.09		26.4	29.9
17' 2	51.42	77.21	103.00	128.79	154.59		26.2	29.6
17' 4	51.92	77.96	104.00	130.04	156.09		25.9	29.3
17' 6	52.42	78.71	105.00	131.29	157.59		25.7	29.1
17' 8	52.92	79.46	106.00	132.54	159.09		25.4	28.8
17' 10	53.42	80.21	107.00	133.79	160.59		25.2	28.5
18' 0	53.92	80.96	108.00	135.04	162.09		25.1	28.4

\*SHADED STILES ARE UNHINGED ON TOP SECTION WHEN GLAZING IS USED  
\*GLAZING NOT AVAILABLE UNDER 15'6" WIDE\*

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