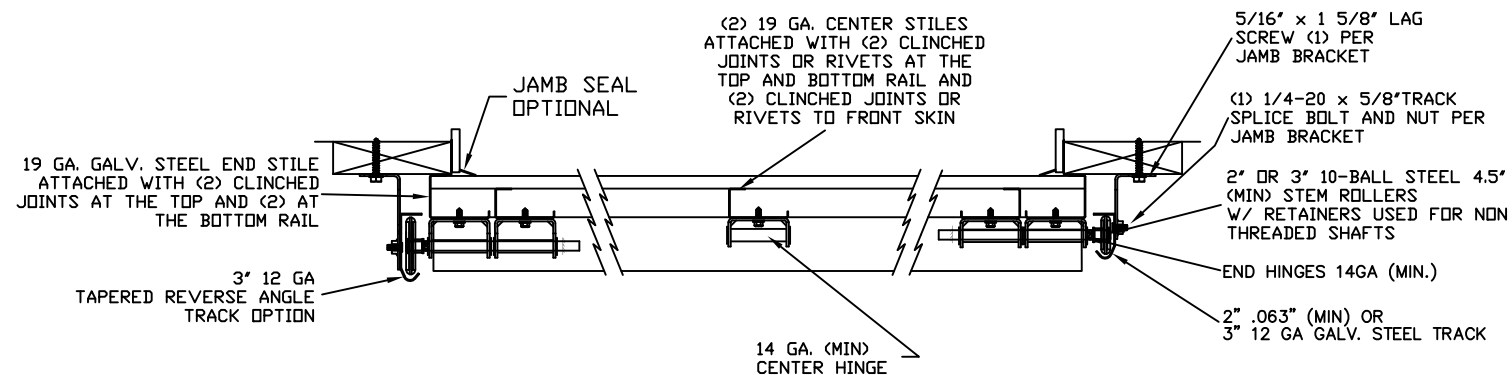
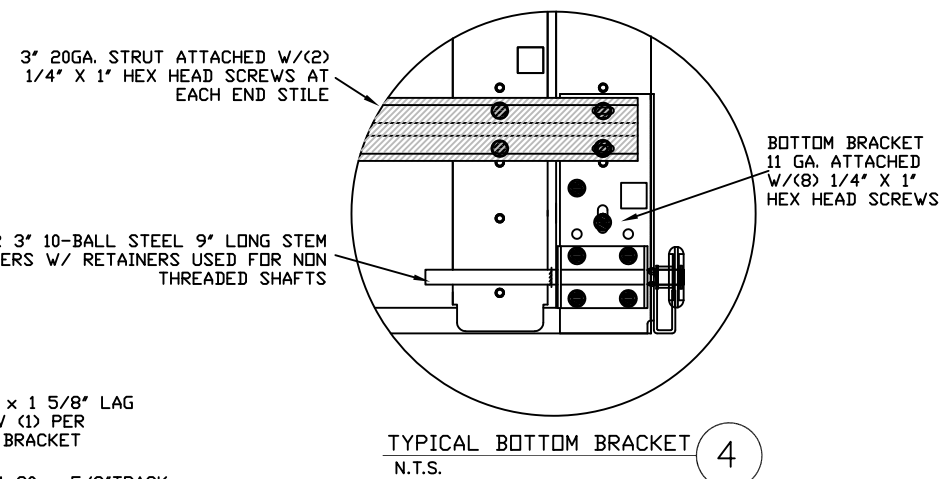
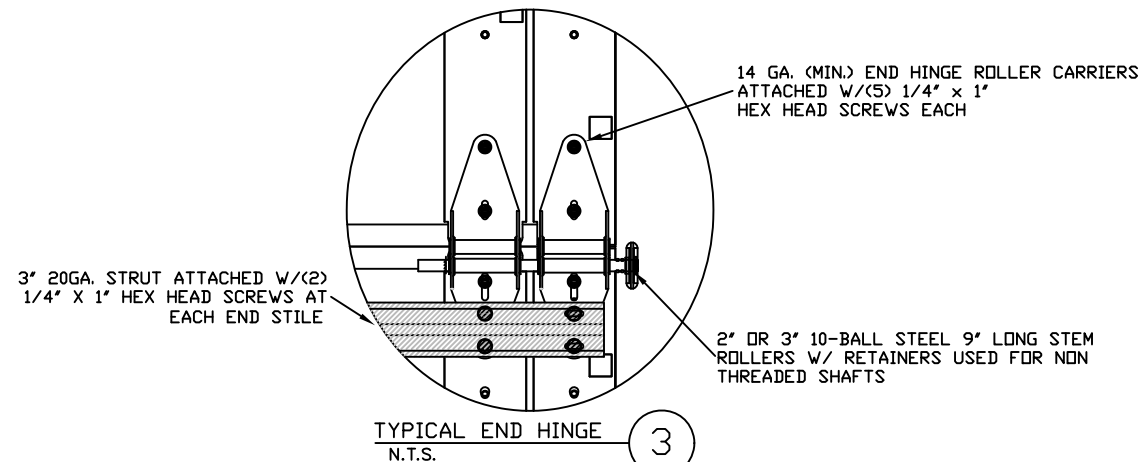
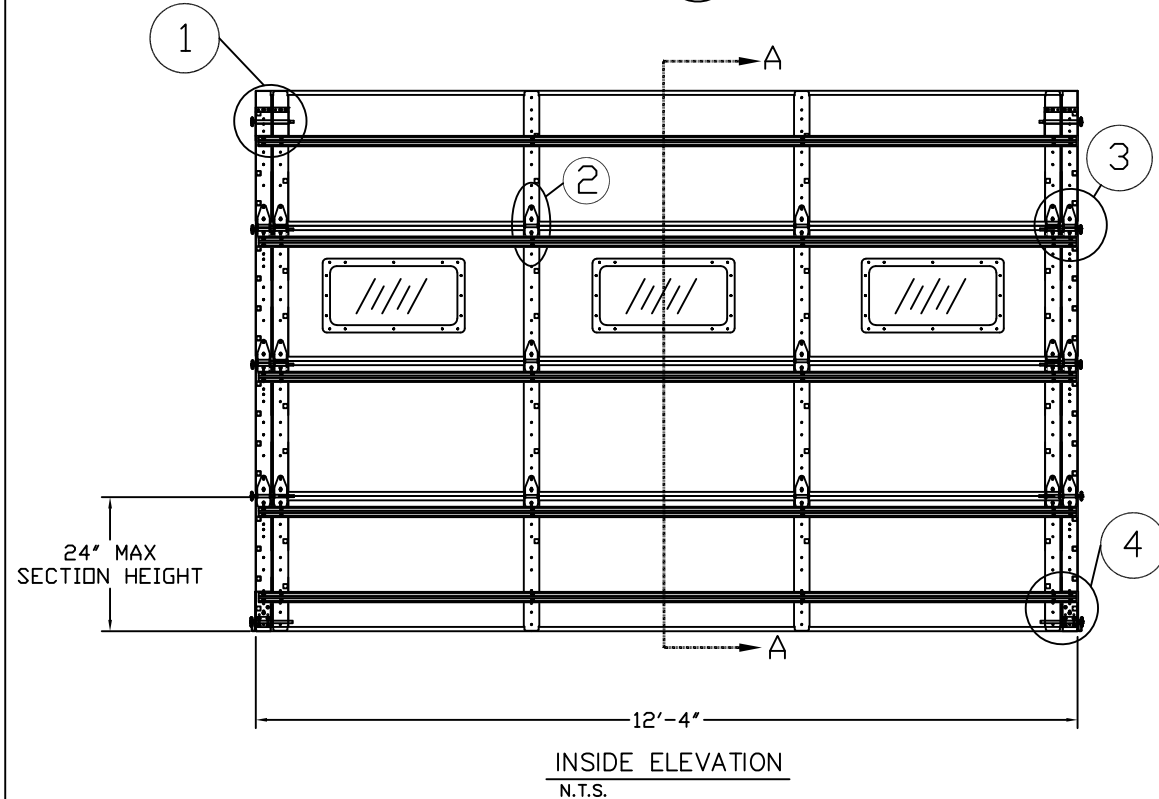
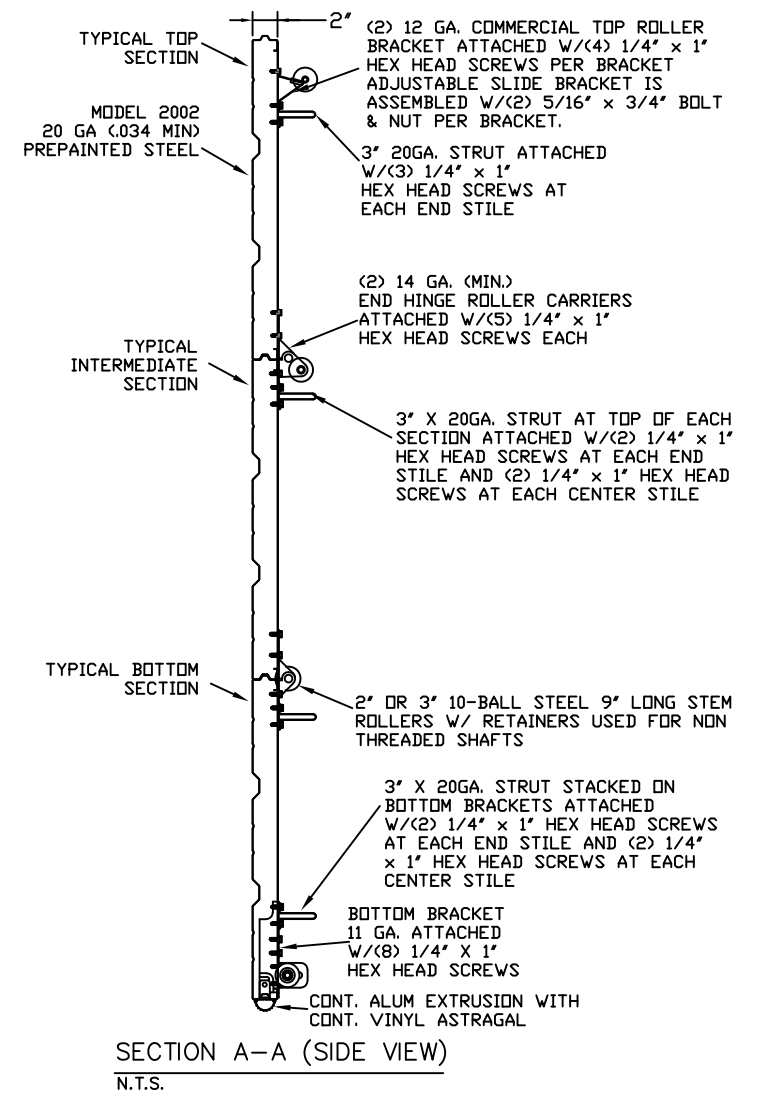
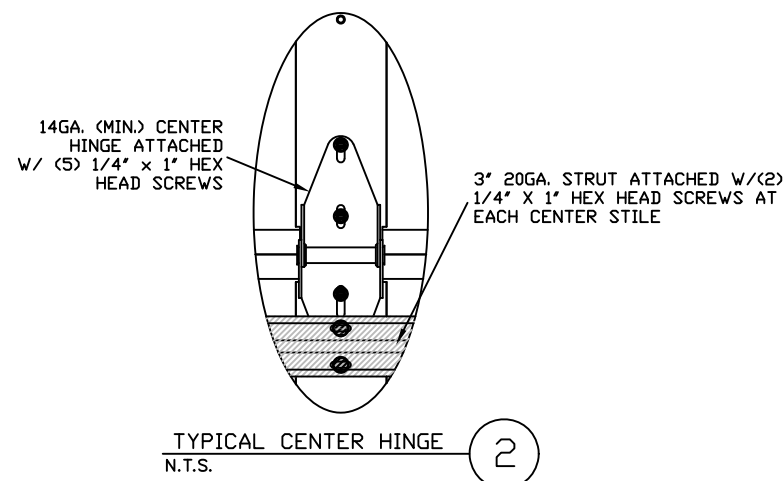
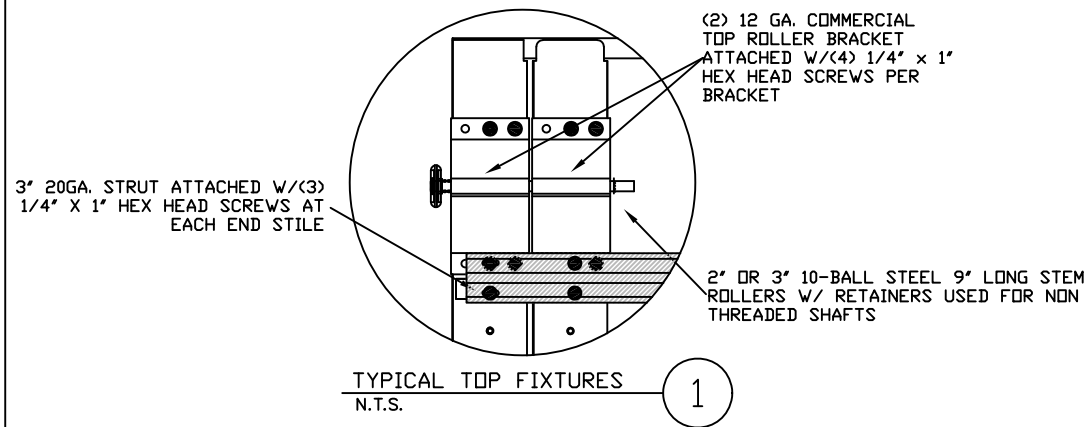




TRACK MOUNTING DETAIL
N.T.S.
EDGE OF DOOR 1" OVERLAP ON EACH SIDE

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	194	176	167	160	153
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'4 x 24'			
DESIGN LOADS +31.7 PSF -36.4 PSF			
TEST LOADS +47.5 PSF -54.6 PSF			
THOMAS L. SHELMERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies.			
Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 FL			
AMARR 2002, 2012, 2022			
SIZE B	DRAWN BY DRC	DATE 11/29/23	DRAWING NUMBER IBC-2012-150-15
	CHECKED BY RLR	DATE 04/09/24	
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			SHEET 1 OF 4

1/8" NOM X 1" LONG
FILLET WELD (E60xx
ELECTRODES MIN.)

1/4" LONG TACK
WELD SAME SPACING
AS FILLET WELD

The diagram shows a cross-section of a fillet weld joint between two plates. The weld is labeled with dimensions and electrode specifications. A line points from the text '1/8" NOM X 1" LONG FILLET WELD (E60xx ELECTRODES MIN.)' to the weld metal. Another line points from the text '1/4" LONG TACK WELD SAME SPACING AS FILLET WELD' to a tack weld on the same joint. The joint is shown in a perspective view with a side elevation.

The technical drawings illustrate the required embedment and spacing for a 2x6 jamb. The top drawing, labeled 'WOOD STRUCTURE', shows a cross-section of a wood wall with a vertical jamb. Dimension lines indicate 'EMBEDMENT' on the left and '1/2" MIN' for the jamb's width. The bottom drawing, labeled 'HOLLOW BLOCK STRUCTURE', shows a cross-section of a hollow block wall with two vertical jambs. Dimension lines indicate '1-1/2" MIN' for the spacing between the jambs and '2" MIN' for the width of each jamb.

CONCRETE STRUCTURE

2-3/4" MIN

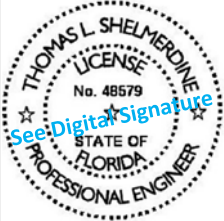
GROUTED BLOCK STRUCTURE

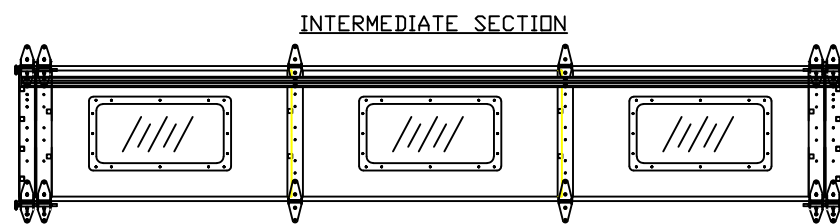
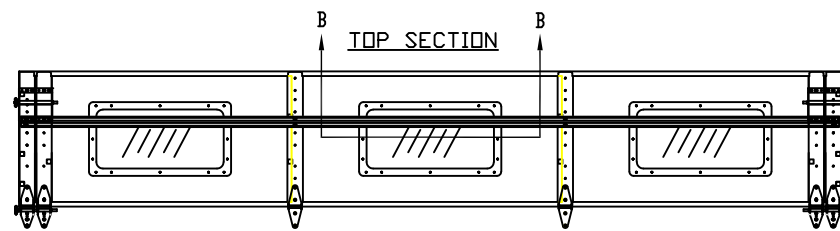
4"

Diagram illustrating a bracket mount. A horizontal cylindrical component is shown with a vertical bracket attached to its side. A dimension line indicates a distance of 1" from the center of the cylinder to the mounting point of the bracket. The bracket is labeled "BRACKET MOUNT".

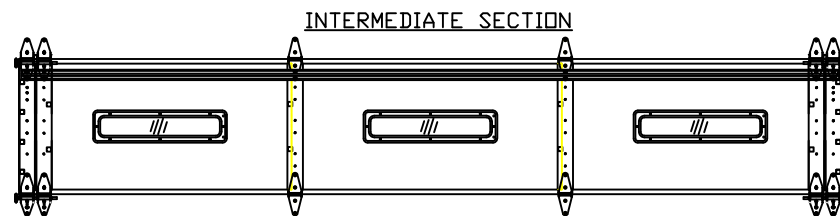
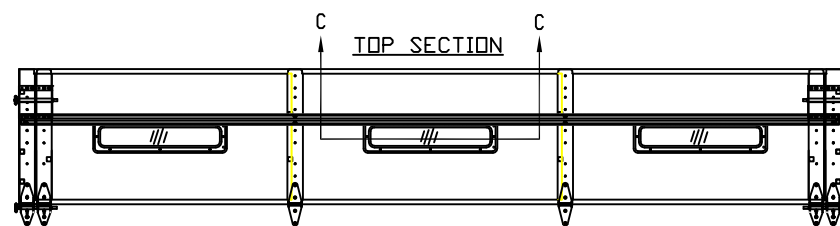
Diagram illustrating a continuous angle mount. The diagram shows a cross-section of a mechanical assembly. A horizontal bar is mounted on a vertical support. A spring is attached to the bar, and a dimension line indicates a distance of 1" from the spring to the end of the bar. The text "CONTINUOUS ANGLE MOUNT" is written below the diagram.

Diagram illustrating the interior of a garage with a maximum width of 12'2". The diagram shows a cross-section of the garage floor and walls. The width is labeled as "MAX. WIDTH 12'2\"". Below the floor, the design loads are specified as 5.5 LBS/FT and 4.5 LBS/FT. A note "SEE NOTE 2" is also present.

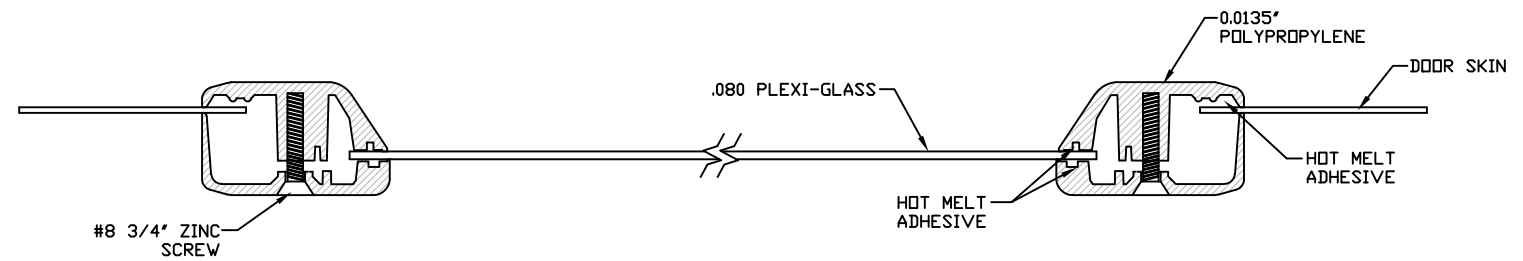
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'4 x 24' DESIGN LOADS +31.7 PSF -36.4 PSF TEST LOADS +47.5 PSF -54.6 PSF		 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies. Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 FL	
			
AMARR 2002, 2012, 2022			
SIZE	DRAWN BY	DRC	DATE 11/29/23
B	CHECKED BY	RLR	DATE 04/09/24
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			DRAWING NUMBER IBC-2012-150-15
165 CARRIAGE COURT WINSTON-SALEM, NC 27105			SHEET 2 OF 4



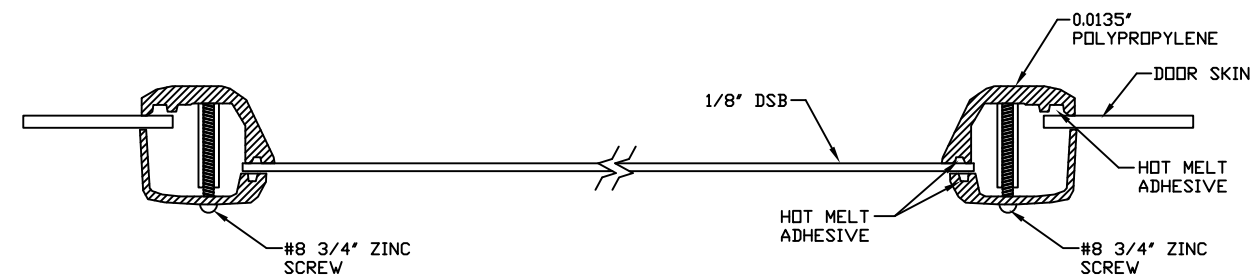
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT
N.T.S.



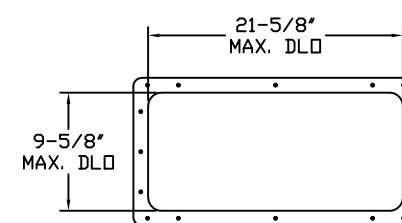
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT
N.T.S.



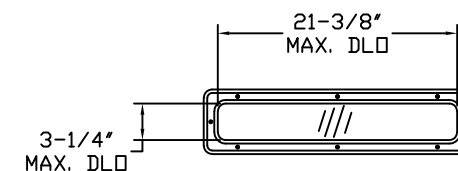
SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



SECTION C-C 24" X 6" WINDOW DETAIL
N.T.S.



24" X 12" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			DRAWING NUMBER IBC-2012-150-15 SHEET 3 OF 4

Section Width (ft)		Center Stile Locations		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	-	43.1	49.5
6'	2"	37"	-	41.9	48.2
6'	4"	38"	-	40.8	46.9
6'	6"	39"	-	39.8	45.7
6'	8"	40"	-	38.8	44.5
6'	10"	41"	-	37.8	43.5
7'	0"	42"	-	36.9	42.4
7'	2"	43"	-	36.1	41.4
7'	4"	44"	-	35.3	40.5
7'	6"	45"	-	34.5	39.6
7'	8"	46"	-	33.7	38.7
7'	10"	47"	-	33.0	37.9
8'	0"	48"	-	32.3	37.1
8'	2"	49"	-	31.7	36.4
8'	4"	50"	-	31.0	35.6
8'	6"	51"	-	30.4	34.9
8'	8"	52"	-	29.8	34.3
8'	10"	53"	-	29.3	33.6
9'	0"	54"	-	28.7	33.0
9'	2"	37"	73"	42.5	48.8
9'	4"	36"	76"	40.6	46.7
9'	6"	37"	77"	40.1	46.0
9'	8"	38"	78"	39.6	45.5
9'	10"	39"	79"	39.1	44.9
10'	0"	40"	80"	38.6	44.3
10'	2"	41"	81"	38.1	43.8
10'	4"	42"	82"	37.6	43.2
10'	6"	43"	83"	37.0	42.5
10'	8"	44"	84"	36.4	41.8
10'	10"	45"	85"	35.9	41.2
11'	0"	46"	86"	35.3	40.6
11'	2"	47"	87"	34.8	40.0
11'	4"	48"	88"	34.3	39.4
11'	6"	49"	89"	33.8	38.8
11'	8"	50"	90"	33.3	38.2
11'	10"	51"	91"	32.8	37.7
12'	0"	48"	96"	32.1	36.9
12'	2"	49"	97"	31.8	36.5
12'	4"	50"	98"	31.7	36.4

DOOR HEIGHT		TRACK ATTACHMENT																				TYPICAL SPLICE	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T		U
7'	0"	10"	22"	34"	58"																		76"
7'	6"	10"	22"	34"	58"	70"																	82"
8'	0"	10"	22"	34"	58"	70"																	88"
8'	6"	10"	22"	34"	58"	70"	82"																94"
9'	0"	10"	22"	34"	58"	70"	82"																100"
9'	6"	10"	22"	34"	58"	70"	82"	94"															106"
10'	0"	10"	22"	34"	58"	70"	82"	94"															112"
11'	0"	10"	22"	34"	58"	70"	82"	94"	106"														124"
12'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"													136"
13'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"												148"
14'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24'	0"	10"	22"	34"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280"

14 GA. (MIN.) FLAG BRACKET
 ATTACHED TO WOOD JAMB
 W/(3) 5/16 DIA. X 1-5/8" LAG BOLTS
 AND TO TRACK W/(4) 1/4"-20 X 5/8"
 TRACK SPLICE BOLTS AND NUTS

13 GA. SPLICE BRACKET ATTACHED
 TO WOOD JAMB W/ (1) 5/16 DIA. X
 1-5/8" LAG BOLT AND TO TRACK W/
 (4) 1/4"-20 X 5/8" TRACK SPLICE
 BOLTS AND NUTS

(1) 5/16" DIA. X 1-5/8"
 LAG BOLT ATTACHED TO JAMB
 AT EA. JAMB BRACKET

12 GA. GALV. STEEL
 JAMB BRACKETS
 ATTACHED W/(1) 1/4"-20 X 5/8"
 TRACK SPLICE BOLT & NUT

TRACK ATTACHMENT CAN BE BRACKET
 MOUNT, CONTINUOUS, REVERSE ANGLE
 MOUNT OR TAPERED REVERSE ANGLE
 MOUNT. (SEE AVAILABLE TRACK
 CONFIGURATIONS ON THIS PAGE)

ALL TRACK BRACKETS AND TRACK
 CLIPS ARE ATTACHED TO TRACK
 WITH (2) RIVETS OR (1) 1/4"-20
 BOLT & NUT

ALL TRACK BRACKETS OR TRACK
 CLIPS ARE TO FOLLOW SPACING AS
 INDICATED

D-K
 C
 B
 A

DOOR HEIGHT
 VERTICAL LIFT

HIGH LIFT

STANDARD LIFT

LOW HEADROOM

SPLICE TRACKS W/
 (4)-20 TRACK SPLICE
 BOLTS & NUTS

2" (.063 MIN.) OR
 3" (.12 GA. MIN.)
 VERTICAL TRACK

SECTION	
TOP	3"
11TH	3"
10TH	3"
9TH	3"
8TH	3"
7TH	3"
6TH	3"
5TH	3"
4TH	3"
3RD	3"
2ND	3"
BTM	3"
	3"

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