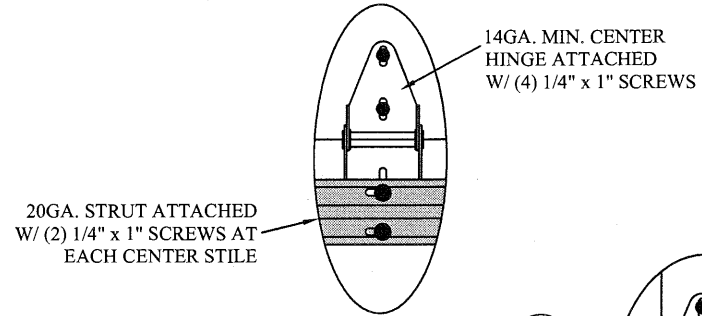
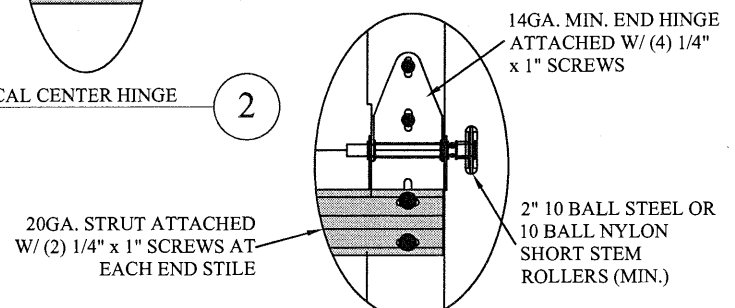


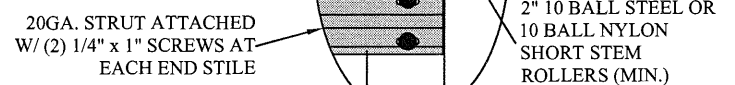
TYPICAL TOP FIXTURES
N.T.S. 1



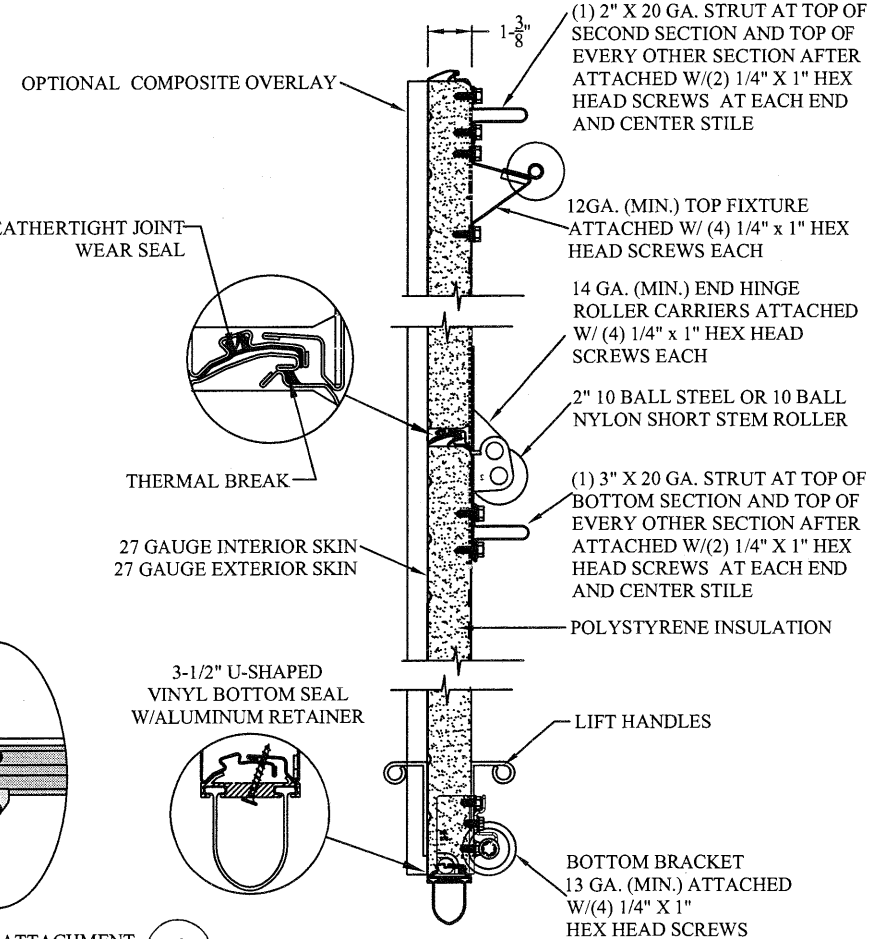
TYPICAL CENTER HINGE
N.T.S. 2



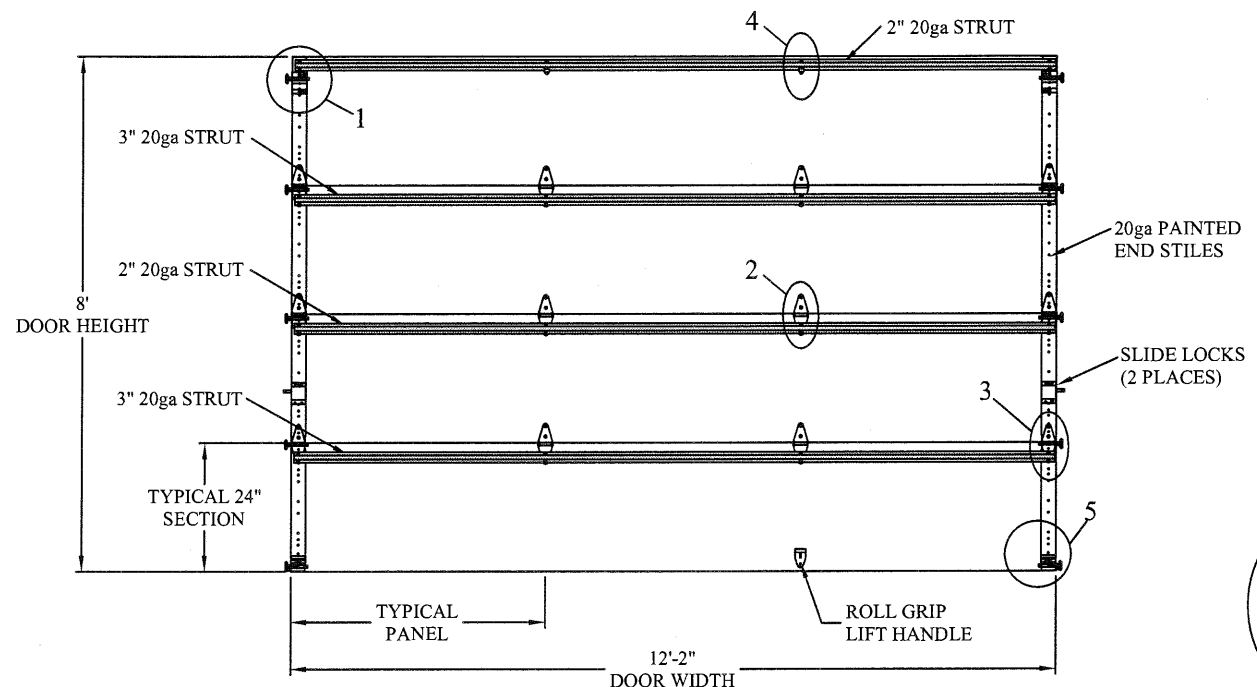
TYPICAL END HINGE
N.T.S. 3



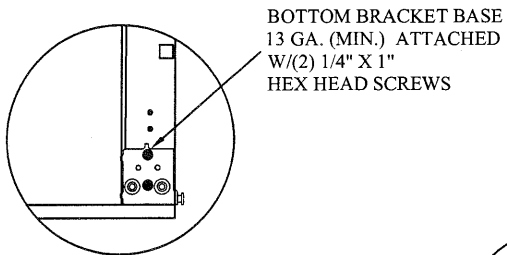
TYPICAL STRUT CLIP ATTACHMENT
N.T.S. 4



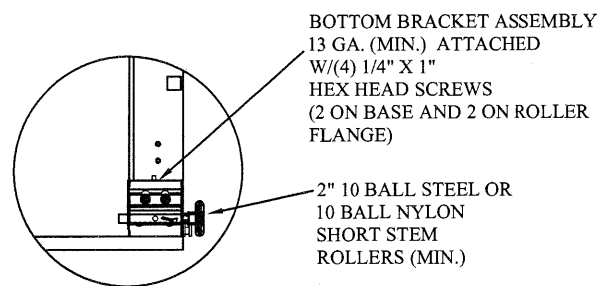
SECTION A-A (SIDE VIEW)
N.T.S.



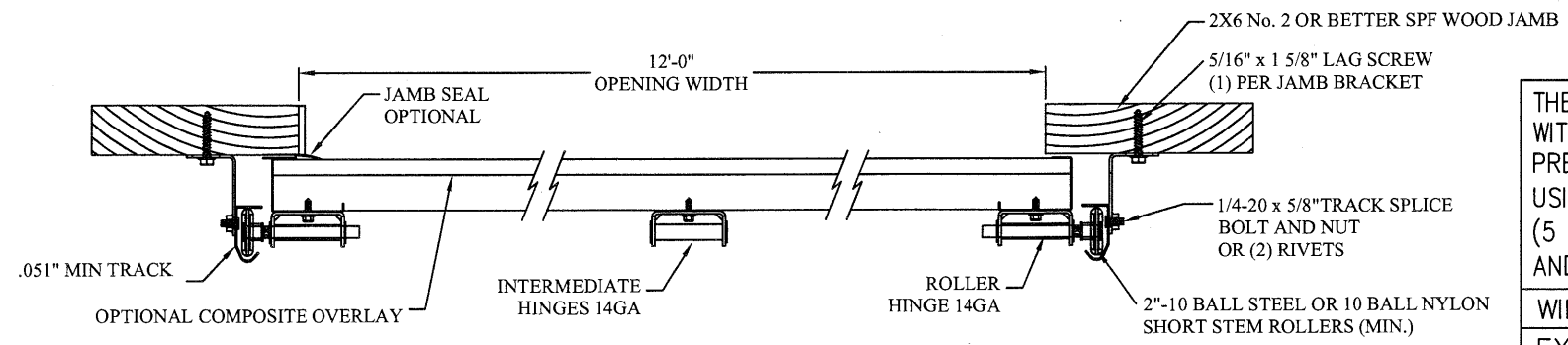
DOOR INTERIOR ELEVATION



TYPICAL BOTTOM BRACKET
N.T.S. 5A



TYPICAL BOTTOM BRACKET
N.T.S. 5B



2\"/>

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 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF AT ANY SLOPE, AND I=1.0):

WIND SPEED (MPH)	100	91	86	82	79
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 12'2 x 14'

DESIGN LOADS +15.3 PSF -17.6 PSF

TEST LOADS +22.9 PSF -26.4 PSF

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

MODEL #1480 CARRIAGE COURT

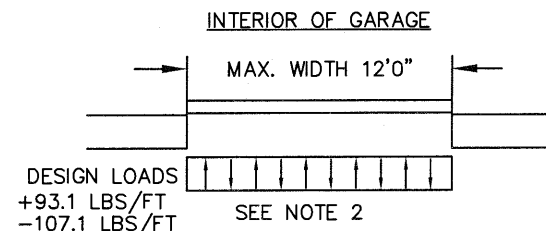
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B	CHECKED BY	RLR	DATE	11/12/14	IRC-1412-100-15

SHEET 1 OF 3

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

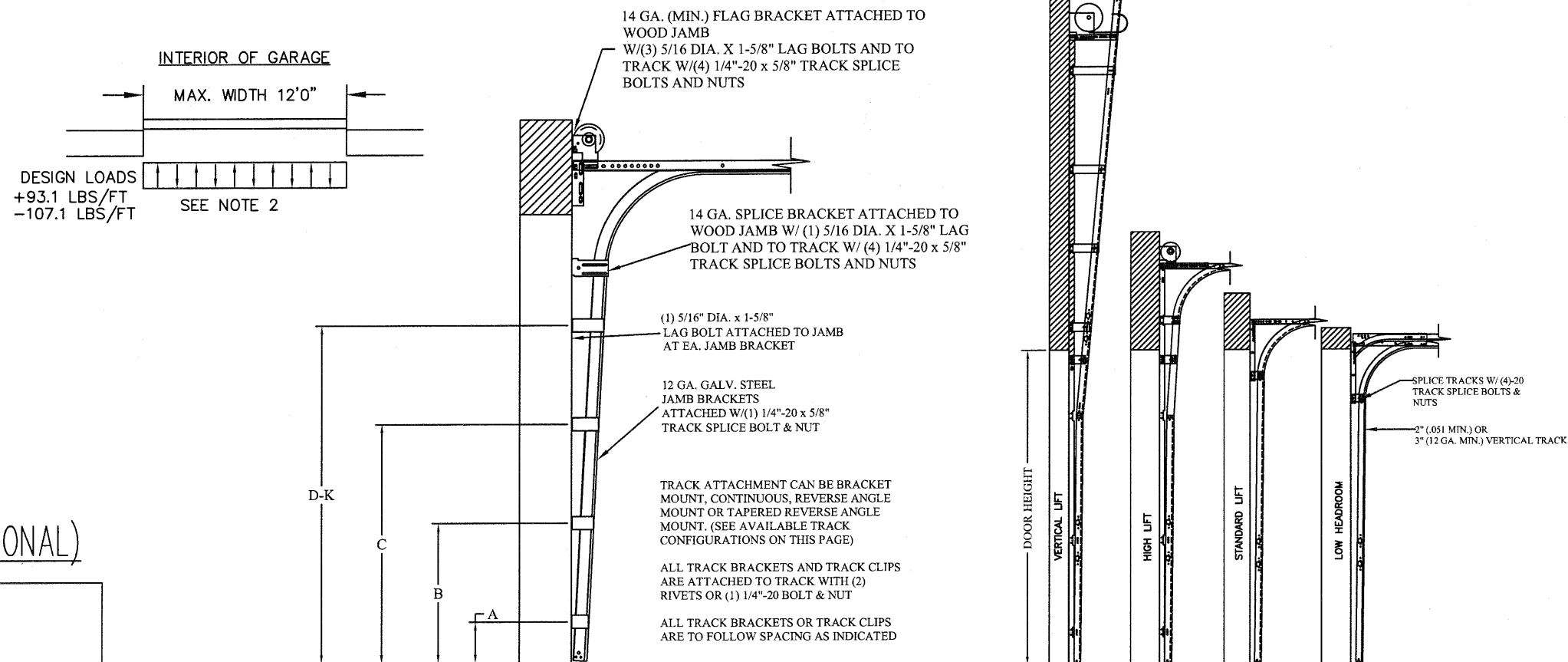
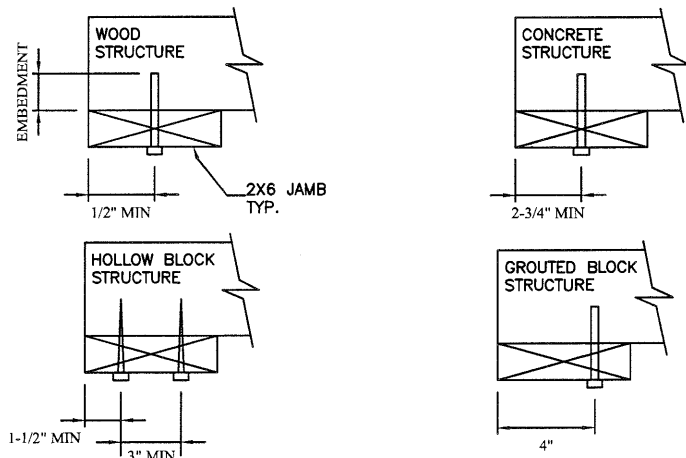
SPECIFICATIONS AND NOTES

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: +93.1 LBS/FT & -107.1 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 24'0" HIGH ALTERNATE BETWEEN (1) 3" 20GA STRUT & (1) 2" 20GA STRUT PER SECTION
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

- 2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE**
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" 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 24" 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 24" 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 24" O.C. (1 1/4" EMBEDMENT)
 - 2 X 6 VERTICAL JAMB ATTACHMENT TO GROUDED C-90 BLOCK (2000 PSI GROUT)**
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" 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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 1

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT											TYPICAL SPLICE
	A	B	C	D	E	F	G	H	I	J	K	
7' 0"	10.0"	34"	58"									76"
7' 6"	10.0"	34"	58"									82"
8' 0"	10.0"	34"	58"									88"
9' 0"	10.0"	34"	58"	82"								100"
9' 6"	10.0"	34"	58"	82"								106"
10' 0"	10.0"	34"	58"	82"								112"
11' 0"	10.0"	34"	58"	82"	106"							124"
12' 0"	10.0"	34"	58"	82"	106"							136"
13' 0"	10.0"	34"	58"	82"	106"	130"						148"
14' 0"	10.0"	34"	58"	82"	106"	130"						160"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
12'2" x 14'

DESIGN LOADS
+15.3 PSF
-17.6 PSF

TEST LOADS
+22.9 PSF
-26.4 PSF

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

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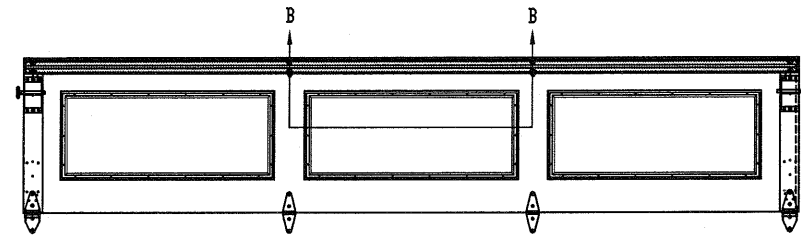
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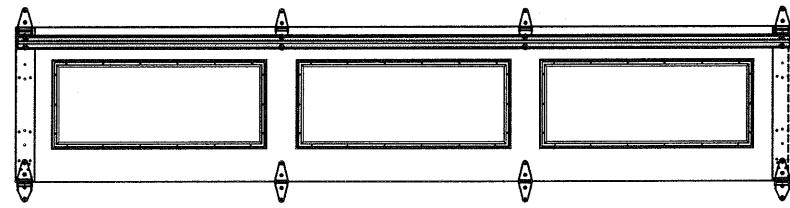
MODEL #1480 CARRIAGE COURT

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B	CHECKED BY	RLR	DATE	11/12/14	IRC-1412-100-15

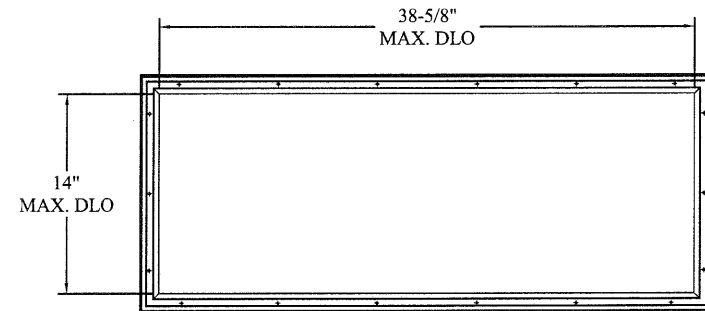
SHEET 2 OF 3



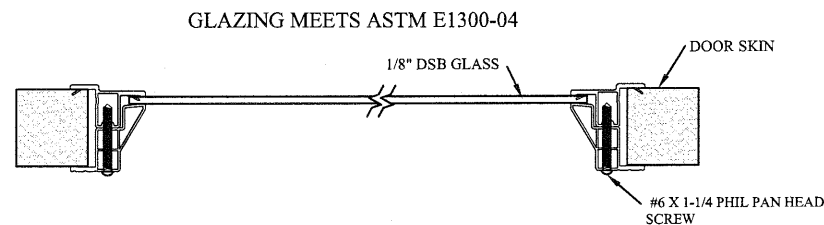
OPTIONAL GLAZED TOP SECTION W/ LONG PANEL 1480 (Carriage Court) WINDOWS AND STRUT LAYOUT
N.T.S.



OPTIONAL GLAZED INTERMEDIATE SECTION W/ LONG PANEL 1480 (Carriage Court) WINDOWS AND STRUT LAYOUT
N.T.S.



LONG PANEL 1480 (Carriage Court) GLAZING FASTENER DETAIL
N.T.S.



SECTION B-B LONG PANEL 1480 (Carriage Court) WINDOW DETAIL
N.T.S.

TABLE 2

Section Width (ft)	Center Stile Locations		Max Design Loads Allowed	
	1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6' 0"	36"	-	20.6	23.7
6' 2"	37"	-	20.0	23.0
6' 4"	38"	-	19.5	22.4
6' 6"	39"	-	19.0	21.8
6' 8"	40"	-	18.5	21.3
6' 10"	41"	-	18.0	20.8
7' 0"	42"	-	17.6	20.3
7' 2"	43"	-	17.2	19.8
7' 4"	44"	-	16.8	19.4
7' 6"	45"	-	16.4	18.9
7' 8"	46"	-	16.1	18.5
7' 10"	47"	-	15.7	18.1
8' 0"	48"	-	15.4	17.7
8' 2"	49"	-	15.1	17.4
8' 4"	50"	-	14.8	17.0
8' 6"	51"	-	14.5	16.7
8' 8"	52"	-	14.2	16.4
8' 10"	53"	-	14.0	16.1
9' 0"	54"	-	13.7	15.8
9' 2"	37"	73"	20.3	23.3
9' 4"	36"	76"	19.4	22.3
9' 6"	37"	77"	19.1	22.0
9' 8"	38"	78"	18.9	21.7
9' 10"	39"	79"	18.6	21.5
10' 0"	40"	80"	18.4	21.2
10' 2"	41"	81"	18.2	20.9
10' 4"	42"	82"	17.9	20.6
10' 6"	43"	83"	17.6	20.2
10' 8"	44"	84"	17.3	19.9
10' 10"	45"	85"	17.0	19.6
11' 0"	46"	86"	16.8	19.3
11' 2"	47"	87"	16.5	19.0
11' 4"	48"	88"	16.3	18.7
11' 6"	49"	89"	16.1	18.5
11' 8"	50"	90"	15.8	18.2
11' 10"	51"	91"	15.6	18.0
12' 0"	48"	96"	15.3	17.6
12' 2"	49"	97"	15.3	17.6

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
12'2" x 14'

DESIGN LOADS
+15.3 PSF
-17.6 PSF

TEST LOADS
+22.9 PSF
-26.4 PSF

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					SHEET 3 OF 3