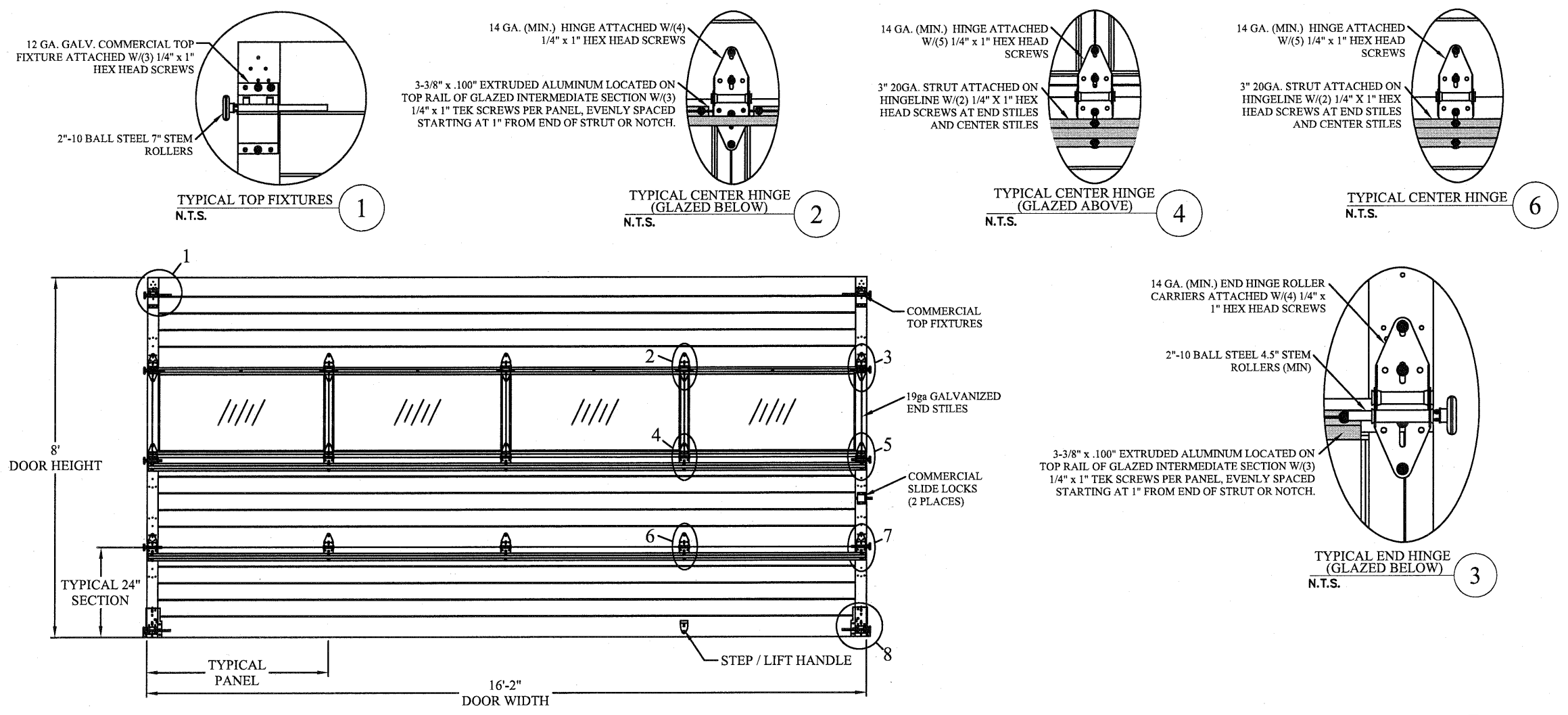
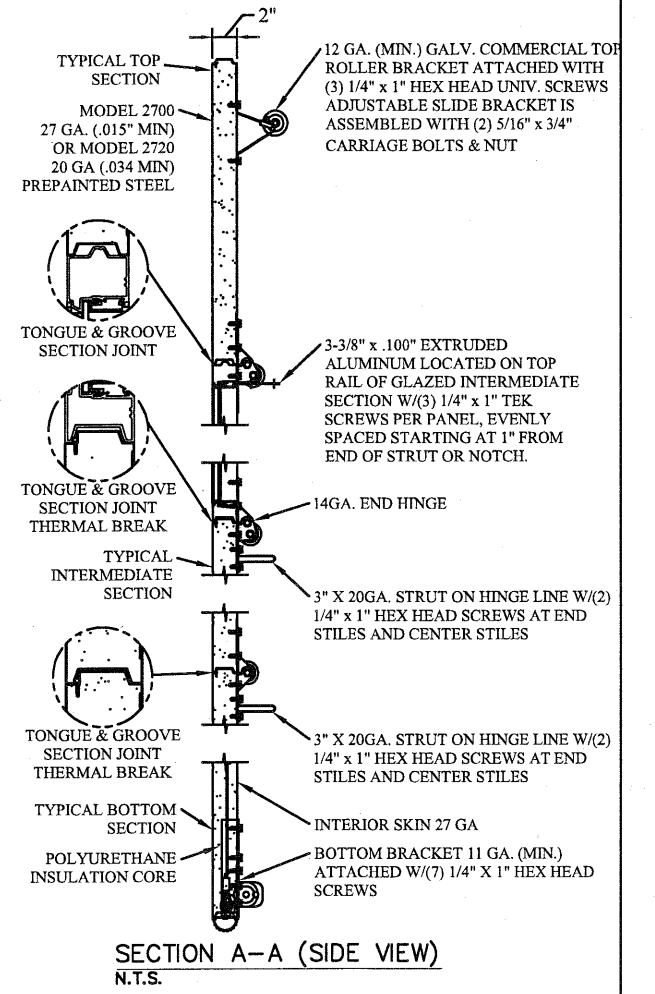
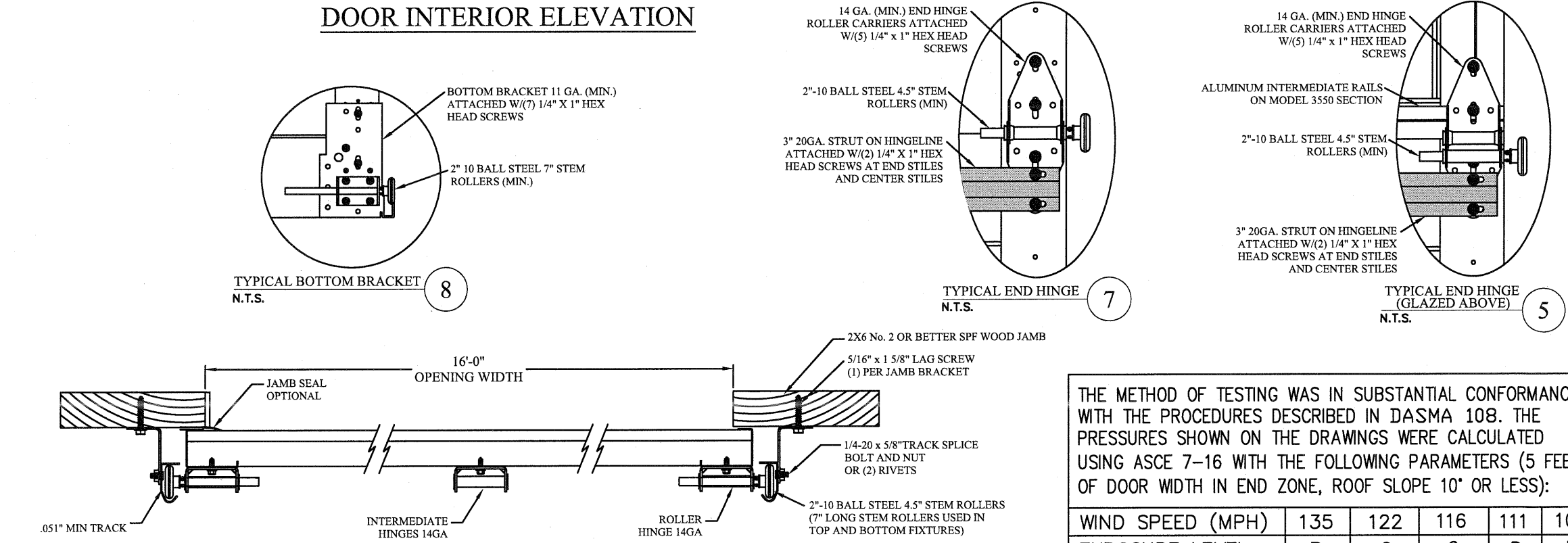




DOOR INTERIOR ELEVATION



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



2" BRACKET MOUNT TO WOOD JAMB DETAIL

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 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10' OR LESS):

WIND SPEED (MPH)	135	122	116	111	107
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16'2" x 24'

DESIGN LOADS
+15.0 PSF
-17.0 PSF

TEST LOADS
+22.5 PSF
-25.5 PSF

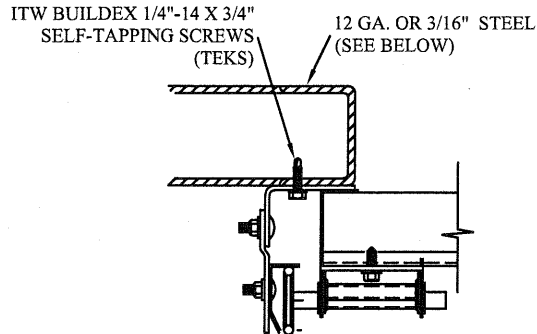
Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

FL

MODEL 2700/3550 AMARR 2742/3552			
MODEL 2720/3550 AMARR 2042/3552			
SIZE	DRAWN BY	DRD	DATE 12/04/18
B	CHECKED BY	DLJ	DATE 12/27/18
DRAWING NUMBER			IBC-2716-104-63-A
SHEET 1 OF 3			

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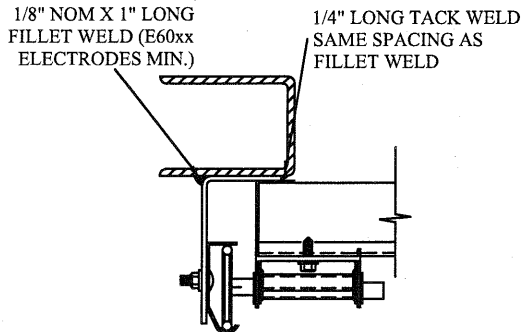
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



CLIP STYLE REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

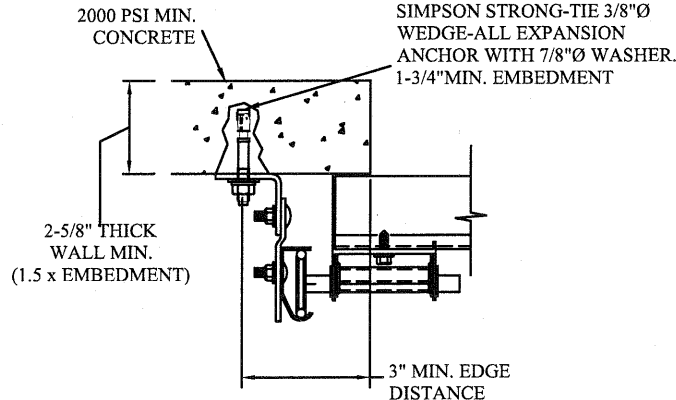
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 22" O.C.
REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



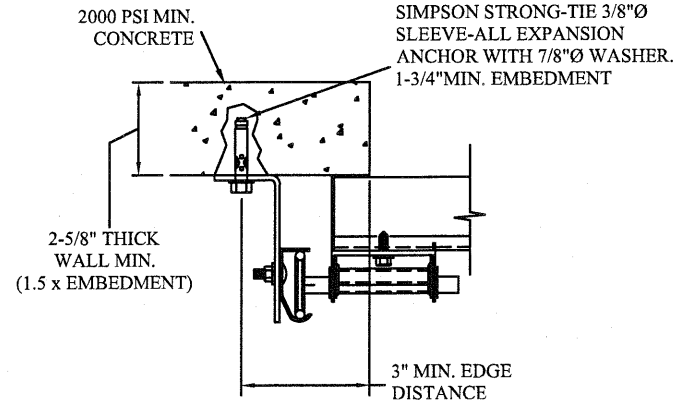
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER
1590 LBS./IN. ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 5, 6, 7, 8 AND 9



CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN.
BRACKET, REVERSE AND TAPERED ANGLE MOUNT
AVAILABLE

2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5



CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

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: +121.3 LBS/FT & -137.4 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. ALUMINUM DOOR SECTION SHALL BE 6063 T6 ALUMINUM .050" WALL THICKNESS (TYP.) ANODIZED OR POWDER COAT FINISH.
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)

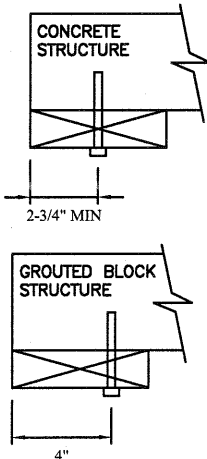
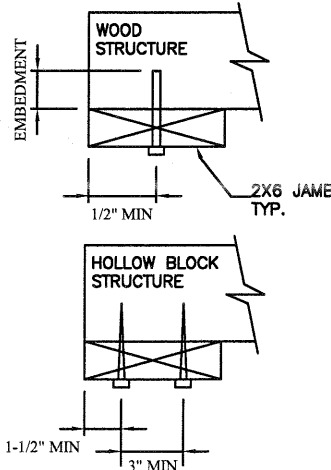
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART)
AT 24" O.C. (1 1/2" EMBEDMENT)

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 GROUTED 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)

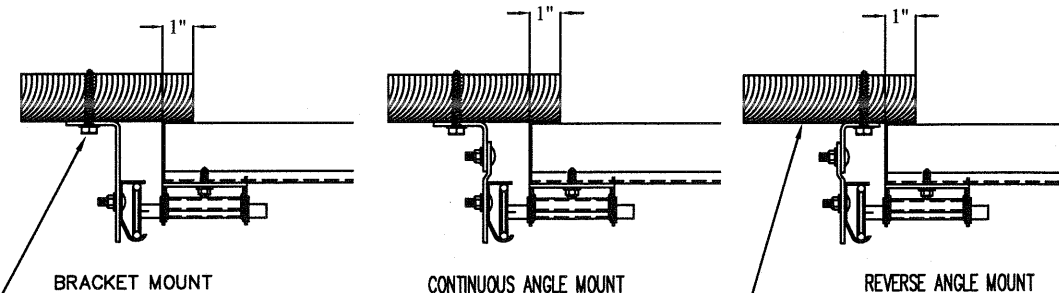
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



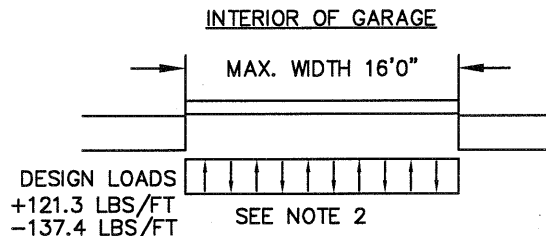
TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE PAGE 3 FOR TRACK CONFIGURATION DETAIL



5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)

2x6 WOOD JAMB SYP OR SPF
(NO.2) OR BETTER (TYP.)



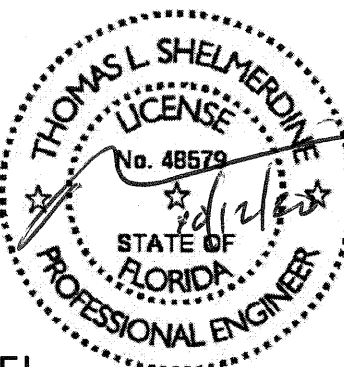
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 16'2" x 24' DESIGN LOADS +15.0 PSF -17.0 PSF TEST LOADS +22.5 PSF -25.5 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 2700/3550 AMARR 2742/3552 MODEL 2700/3550 AMARR 2042/3552			
SIZE	DRAWN BY	DRD	DATE 12/04/18
B	CHIECKED BY	DLJ	DATE 12/27/18
			DRAWING NUMBER IBC-2716-104-63-A SHEET 2 OF 3

TABLE 1

Section Width (ft)		Center Stile Locations (Measured from Left)			Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
9'	4"	36"	76"	-	19.0	21.5
9'	6"	37"	77"	-	18.8	21.3
9'	8"	38"	78"	-	18.5	21.0
9'	10"	39"	79"	-	18.3	20.7
10'	0"	40"	80"	-	18.0	20.5
10'	2"	41"	81"	-	17.8	20.2
10'	4"	42"	82"	-	17.6	20.0
10'	6"	43"	83"	-	17.4	19.7
10'	8"	44"	84"	-	17.2	19.5
10'	10"	45"	85"	-	17.0	19.3
11'	0"	46"	86"	-	16.8	19.0
11'	2"	47"	87"	-	16.6	18.8
11'	4"	48"	88"	-	16.4	18.6
11'	6"	49"	89"	-	16.2	18.4
11'	8"	50"	90"	-	16.0	18.2
11'	10"	51"	91"	-	15.9	18.0
12'	0"	48"	96"	-	15.0	17.0
12'	2"	49"	97"	-	14.9	16.9
12'	4"	50"	98"	-	14.7	16.7
12'	6"	51"	99"	-	14.6	16.5
12'	8"	52"	100"	-	14.4	16.4
12'	10"	53"	101"	-	14.3	16.2
13'	0"	36"	78"	120"	17.2	19.5
13'	2"	37"	79"	121"	17.2	19.5
13'	4"	38"	80"	122"	17.2	19.5
13'	6"	39"	81"	123"	17.2	19.5
13'	8"	40"	82"	124"	17.2	19.5
13'	10"	41"	83"	125"	17.2	19.5
14'	0"	42"	84"	126"	17.2	19.5
14'	2"	43"	85"	127"	17.0	19.3
14'	4"	44"	86"	128"	16.8	19.0
14'	6"	45"	87"	129"	16.6	18.8
14'	8"	46"	88"	130"	16.4	18.6
14'	10"	47"	89"	131"	16.2	18.4
15'	0"	48"	90"	132"	16.0	18.2
15'	2"	49"	91"	133"	15.9	18.0
15'	4"	50"	92"	134"	15.7	17.8
15'	6"	51"	93"	135"	15.5	17.6
15'	8"	52"	94"	136"	15.4	17.4
15'	10"	53"	95"	137"	15.2	17.2
16'	0"	48"	96"	144"	15.0	17.0
16'	2"	49"	97"	145"	15.0	17.0

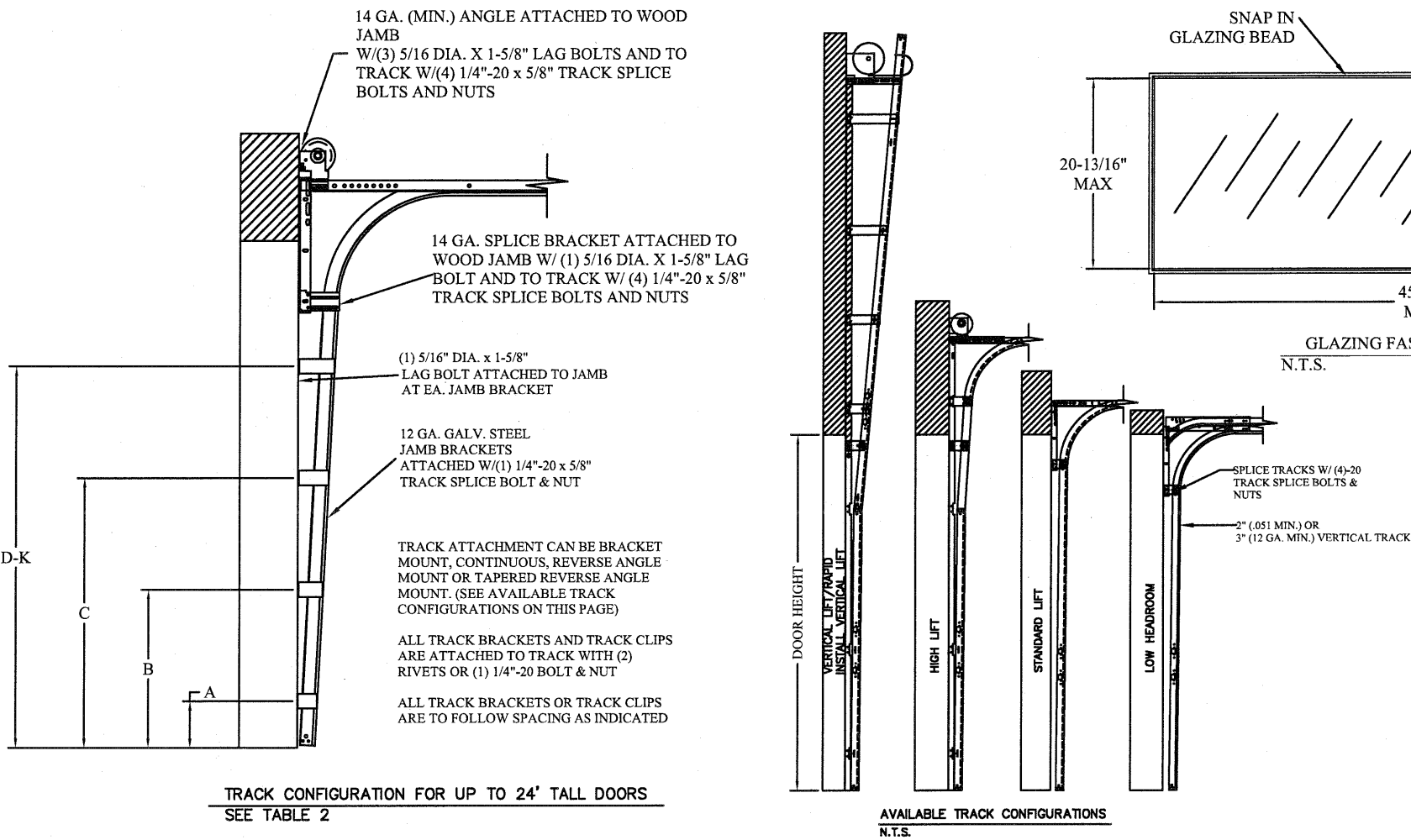


TABLE 2

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"
15'	0"	10.0"	34"	58"	82"	106"	130"	154"					172"
16'	0"	10.0"	34"	58"	82"	106"	130"	154"					184"
17'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"				196"
18'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"				208"
19'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

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

REVDESCRIPTION OF REVISIONSDATEBY

MAX SIZE
16'2 x 24'

DESIGN LOADS
+15.0 PSF
-17.0 PSF

TEST LOADS
+22.5 PSF
-25.5 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
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STATE OF
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PROFESSIONAL ENGINEER
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5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL 2700/3550 AMARR 2742/3552
MODEL 2720/3550 AMARR 2042/3552

SIZE
B

DRAWN BY
DRD

CHECKED BY
DLJ

DATE
12/04/18

DATE
12/27/18

DRAWING NUMBER
IBC-2716-104-63-A

SHEET 3 OF 3