

12 GA. GALV. STEEL
COMMERCIAL TOP ROLLER
BRACKET ATTACHED W/ (4)
1/4" x 3/4" HEX HEAD
SCREWS PER BRACKET

ADJUSTABLE ROLLER CARRIER
ATTACHED W/ (2) 1/4" x 1/2"
BOLT & NUT PER BRACKET

5 1/2"H X 18 GA. (5" R-TRUSS)
ATTACHED W/ (1) 1/4" x 3/4"
HEX HEAD SCREW AT EACH HINGE AND
(1) UNDER EACH HINGE INTO BACK SKIN

5 1/2"H X 18 GA. (5" R-TRUSS)
ATTACHED W/ (5) 1/4" x 3/4"
HEX HEAD SCREWS AT ENDSTILES AND
(2) AT EACH HINGE LOCATION INTO
THE BACK SKIN

2" 10 BALL STEEL 9.5" STEM
HURRICANE ROLLER W/ 7/16"
RETAINER FOR NON-THREADED
SHAFTS

TYPICAL TOP FIXTURES
N.T.S.

1

TYPICAL DURASAFE CENTER HINGE
N.T.S.

2

5 1/2"H X 18 GA. R-TRUSS ATTACHED
W/ (3) 1/4" x 3/4" HEX HEAD SCREWS

#3 14GA. DURASAFE ROLLER
CARRIER ATTACHED TO
R-TRUSS W/ (3) 1/4" x
3/4" HEX HEAD SCREWS

14GA. DURASAFE ROLLER
CARRIER ATTACHED TO
END STILE W/ (4) 1/4"
x 3/4" HEX HEAD
SCREWS PER CARRIER

12 GA. DURASAFE
END HINGE ATTACHED
W/ (2) 1/4" x 3/4"
HEX HEAD SCREWS

2" 10 BALL STEEL 9.5"
STEM HURRICANE ROLLER
W/ 7/16" RETAINER FOR
NON-THREADED SHAFTS

SLIDE LOCK ENGAGES INTO
VERTICAL TRACK ON BOTH
SIDES (SNAP LATCH, OR LOCK
BAR OPTIONAL) ATTACH W/ (2)
1/4" x 3/4" HEX HEAD SCREWS

TYPICAL DURASAFE END HINGE
N.T.S.

3

3" 20GA. STRUT ATTACHED
W/ (2) 1/4" x 3/4" HEX
HEAD SCREWS AT END
AND (10) ACROSS CENTER
SPAN AT AND BETWEEN
CENTER HINGE LOCATIONS
INTO BACKSKIN

BOTTOM BRACKET
13 GA. THICK ATTACHED
W/ (4) 1/4" x 3/4"
HEX HEAD SCREWS

2" 10 BALL STEEL 9.5"
STEM HURRICANE ROLLER
W/ 7/16" RETAINER FOR
NON-THREADED SHAFTS

#1 14 GA DURASAFE
ROLLER CARRIER
ATTACHED W/ (3)
1/4" x 3/4" HEX
HEAD SCREWS

TYPICAL BOTTOM BRACKET
N.T.S.

4

FRONT SKIN 24GA. (.0216" MIN.)
BACK SKIN 27GA (.0151 MIN.)
W/ BAKED ON POLYESTER FINISH

CFC-FREE EXPANDED
POLYSTYRENE INSULATION
(0.85 PCF)

12 GA. END HINGE
ATTACHED W/ (2)
1/4" x 3/4" HEX HEAD
SCREWS

(2) 12 GA COMMERCIAL TOP
FIXTURE ATTACHED W/ (4) 1/4"
x 3/4" HEX HEAD SCREWS
ADJUSTABLE SLIDE BRACKET
ATTACHED W/ (2) 1/4" x 1/2"
BOLT AND NUTS

5 1/2"H X 18 GA. (33KSI)
GALV. STEEL R-TRUSS
ATTACHED W/ (5) 1/4" x 3/4"
HEX HEAD SCREWS AT EACH
END STILE AND (2) AT EACH
CENTER STILE LOCATION ON
TOP SECTION

(1) PER SECTION
5 1/2"H X 18 GA. (33KSI)
GALV. STEEL R-TRUSS ATTACHED
W/ (3) 1/4" x 3/4" HEX HEAD
SCREWS AT EACH END STILE
AND (2) AT EACH CENTER STILE
LOCATION

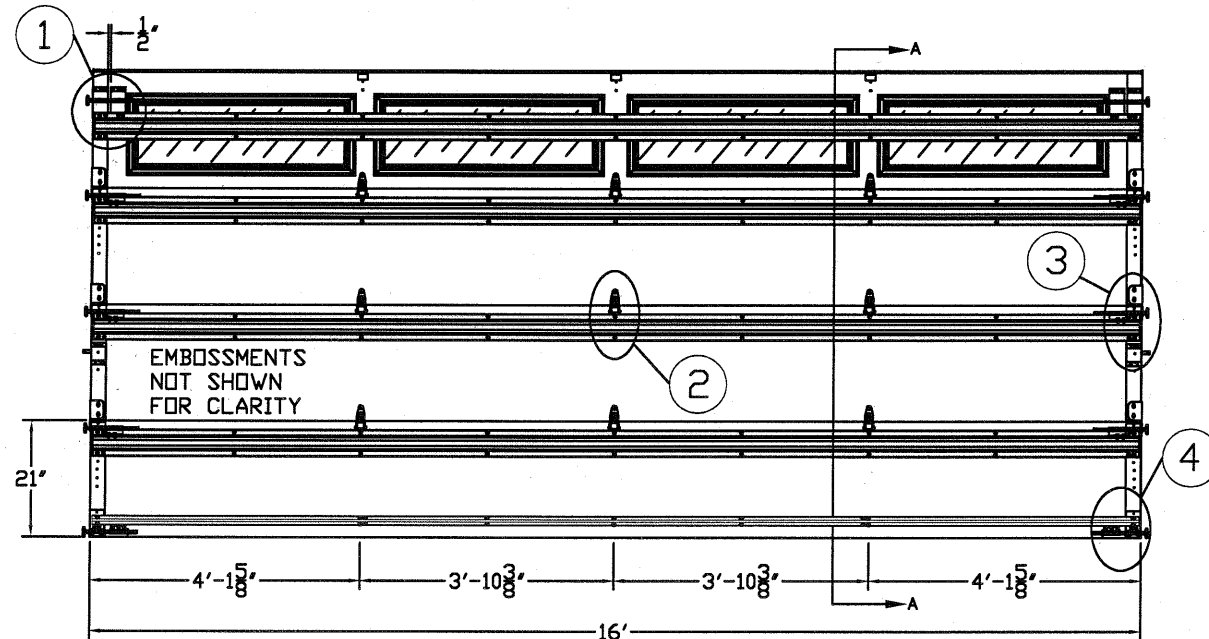
3" x 20 GA. (80KSI) STRUT ATTACHED W/
(2) 1/4" x 3/4" HEX HEAD SCREWS
AT EACH ENDSTILE AND (10) TOTAL
ACROSS CENTER SPAN AT AND BETWEEN
CENTER HINGE LOCATIONS.

BOTTOM BRACKET
ATTACHED
W/ (4) 1/4" x 3/4"
HEX HEAD SCREWS

CONTINUOUS ALUMINUM EXTRUSION
WITH CONTINUOUS VINYL ASTRAGAL

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

LARGE MISSILE IMPACT RESISTANT



INSIDE ELEVATION
N.T.S.

INTERIOR OF GARAGE

MAX. WIDTH 16'0"

JAMB DESIGN LOADS
+384.0 LBS/FT
-416.0 LBS/FT

SEE NOTES 1

2 X 6 SOUTHERN YELLOW PINE
(NO. 2 OR BETTER)
(G=0.55)

(1) 2-1/2" X 3-1/2" 18 GA GALV.
STEEL BACKER PLATE GLUED TO
INSIDE EDGE AT TOP AND BOTTOM
OF EACH STILE LOCATION

JAMB BRACKET ATTACHED TO
JAMB W/ (1) 5/16" X 1-5/8"
LAG BOLT AND ATTACHED TO
TRACK W/ (1) 1/4" X 5/8"
SPICE BOLT

20 GA. GALV. STEEL
SINGLE END STILE

STOP MOULDING
W/ FLEXIBLE SEAL
(SUPPLIED BY INSTALLER)

3 3/4" MIN.
SIDEROOM

2" GALV. STEEL TRACK
TRACK THICKNESS .083"

#3 14GA. DURASAFE ROLLER
CARRIER ATTACHED TO R-TRUSS
W/ (3) 1/4" x 3/4"
HEX HEAD SCREWS

5 1/2"H X 18 GA.
(5" R-TRUSS)

TRACK MOUNTING DETAIL
N.T.S.

SPECIFICATIONS AND NOTES

- 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.
- EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +384.0 LBS/FT & -416.0 LBS/FT
- DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
- DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5.5" R-TRUSS PER SECTION AND (1) 3" 20GA STRUT ON BTM. SECTION
- DOORS OVER (4) SECTIONS REFER TO TABLE 1
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, E1886, E1996, & F588, ANSI/DASHA 108 & 115, AND TAS 201, 201, 203. 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):

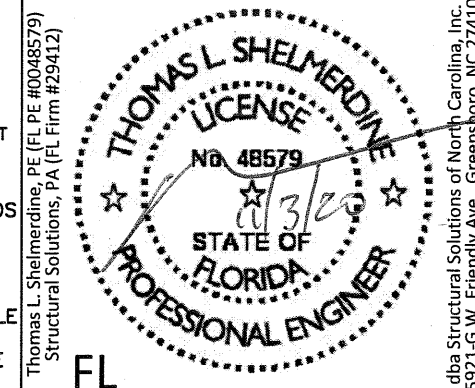
WIND SPEED (MPH)	224	204	194	185	177
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'
SIZES SUBJECT
TO WEIGHT
LIMITATIONS

DESIGN LOADS
+48.0 PSF
-52.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE



Amarr

MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

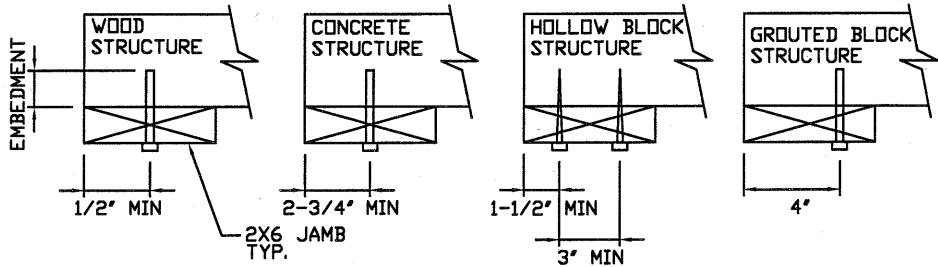
SIZE	DRAWN BY	RLR	DATE	11/11/13	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	3/18/19	IRC-1216-175-26-G
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 4

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 12" 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 10" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 20" 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 12" 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



13 GA. 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

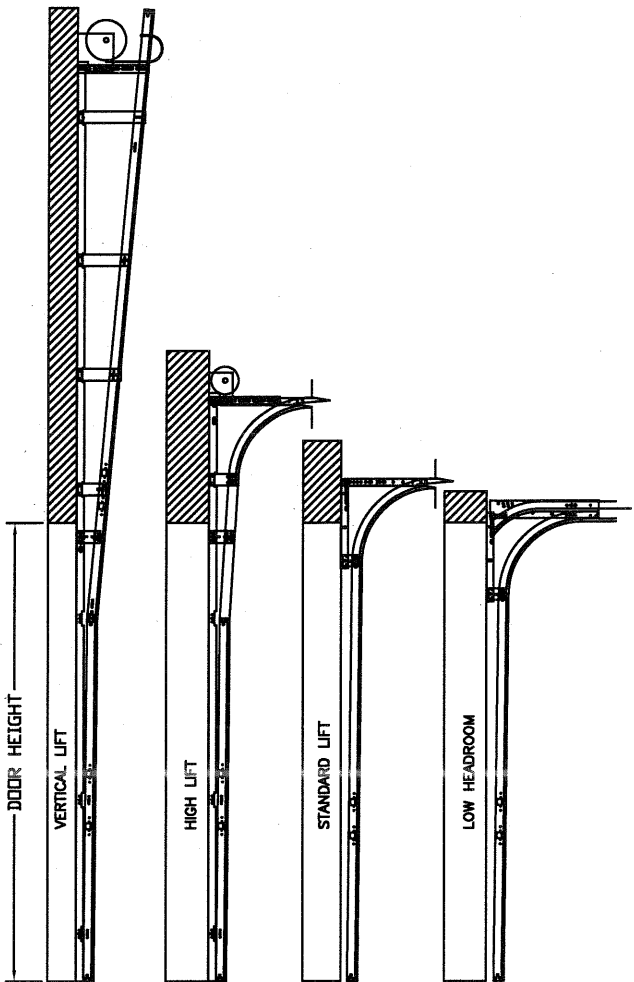
SPLICE TRACKS AT THIS LOCATION W/ (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16" DIA. X 1-5/8" LAG BOLTS

(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

SEE (TABLE 2) FOR JAMB BRACKET SPACING

STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

SIZES SUBJECT
TO WEIGHT
LIMITATIONS

DESIGN LOADS
+48.0 PSF
-52.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

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THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF
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dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

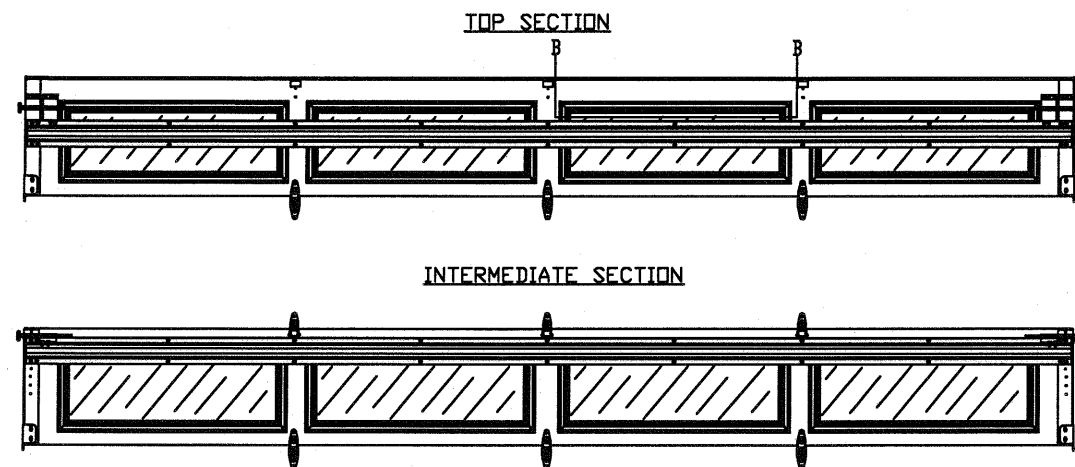
Amarr

MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

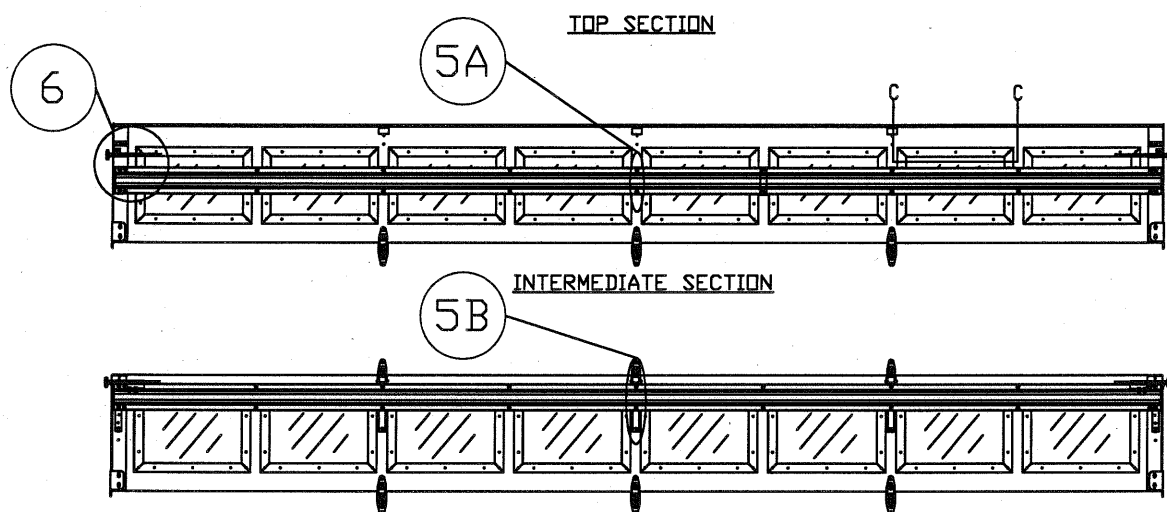
SIZE B	DRAWN BY RLR	DATE 11/11/13	DRAWING NUMBER IRC-1216-175-26-G
	CHECKED BY RLR	DATE 3/18/19	

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105

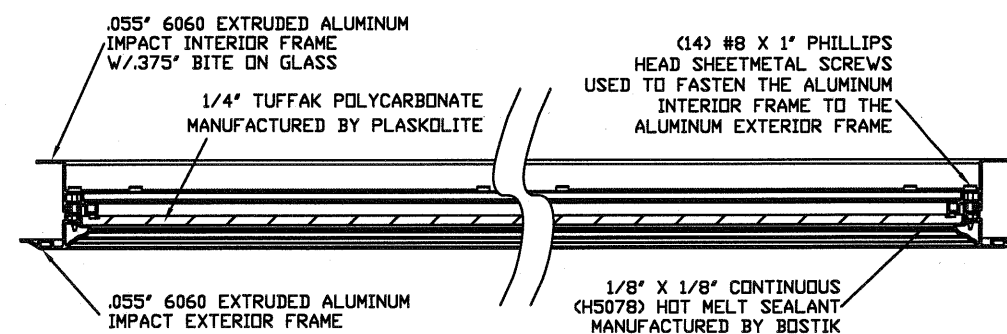
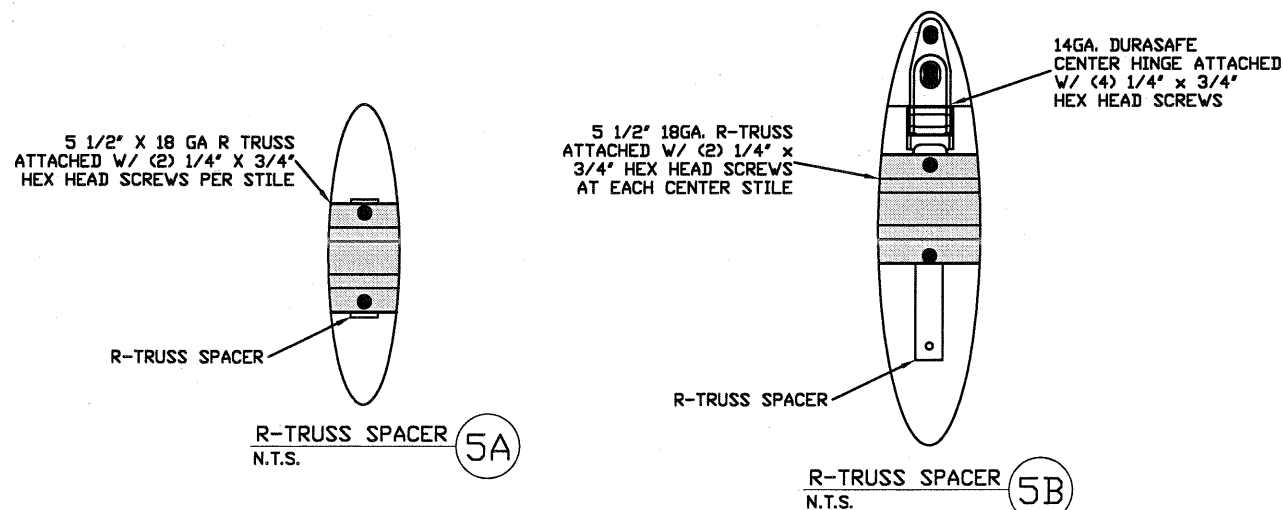
SHEET 2 OF 4



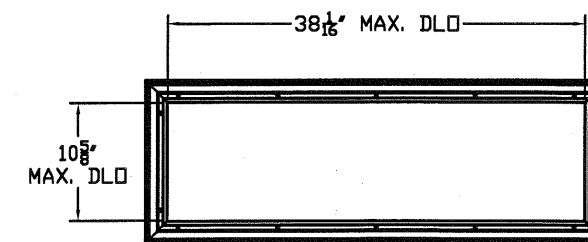
OPTIONAL LONG PANEL GLAZED SECTION R-TRUSS AND STILE LAYOUT
N.T.S.



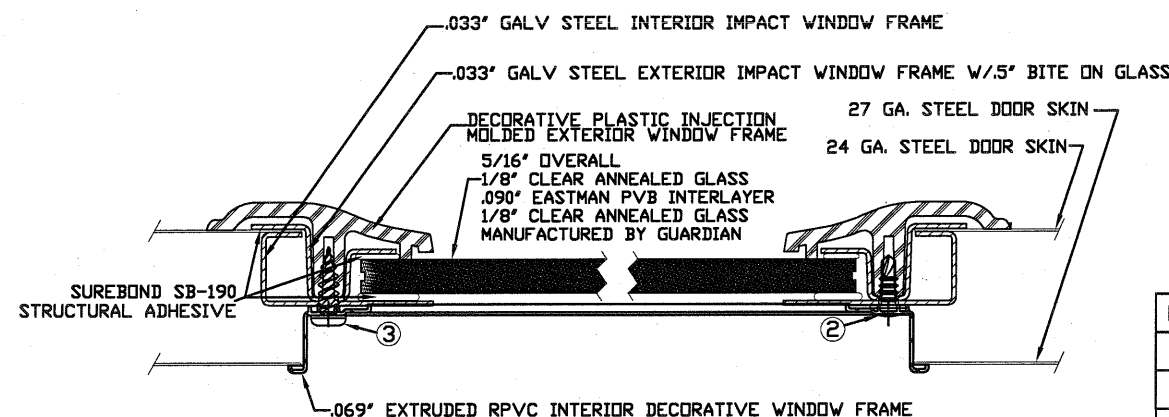
OPTIONAL SHORT PANEL GLAZED SECTION R-TRUSS AND STILE LAYOUT
N.T.S.



SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

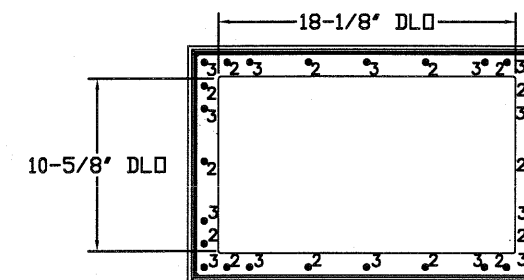


LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.

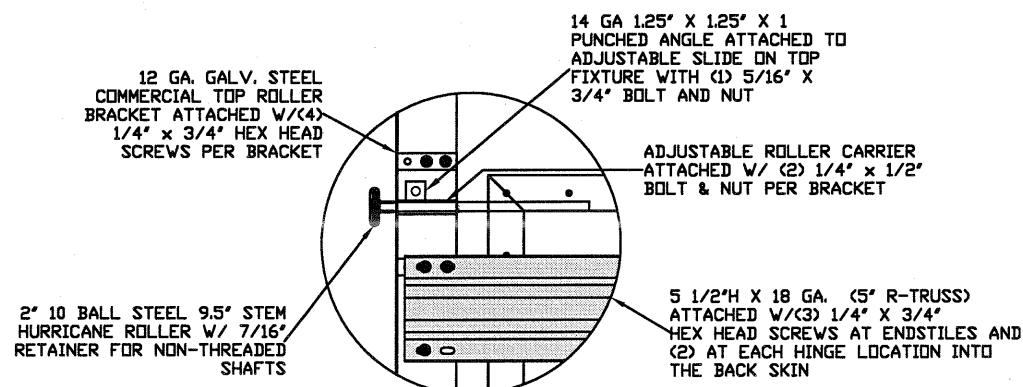


2. 3/16" X 1/2" SCREW - USED TO
FASTEN THE STEEL EXTERIOR IMPACT WINDOW FRAME TO
THE STEEL INTERIOR IMPACT WINDOW FRAME.
3. 11/64" X 1/2" SCREW - USED TO FASTEN DECORATIVE PLASTIC MOLDED
WINDOW FRAME TO THE ASSEMBLY

SECTION C-C IMPACT WINDOW DETAIL
N.T.S.



IMPACT GLAZING FASTENER DETAIL
N.T.S.
GLAZING MEETS ASTM E1300-04



SHORT PANEL GLAZED TOP FIXTURE CONFIGURATION
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

SIZES SUBJECT
TO WEIGHT
LIMITATIONS

DESIGN LOADS
+48.0 PSF
-52.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

FL

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No. 48579
STATE OF
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Amarr

MODEL #1200 AMARR HERITAGE 3000
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SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	11/11/13	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	3/18/19	IRC-1216-175-26-G
ENTREMATICS					SHEET 3 OF 4
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE S
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
6' 6"	3"	14"	27"	38"	46"	56"	64"								70"
7'	3"	14"	27"	38"	46"	56"	68"								76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"							82"
8'	3"	14"	27"	38"	46"	56"	68"	78"							88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"						94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"						100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"					106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"					112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"			130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"			136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"		142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"		148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"	154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"	160"

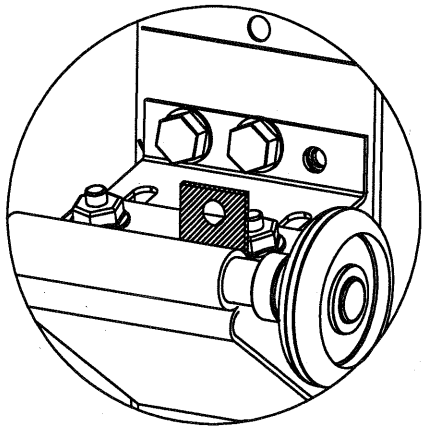
ALL TRACK ATTACHMENT SPACING +/-2" ALLOWED WITH SYP NO. 2 OR BETTER ONLY

TABLE 3

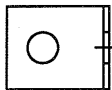
Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
09' 2	Short	55.00				41.7	45.2
09' 2	Long	55.00				41.7	45.2
09' 2	Oak Summit	55.00				41.7	45.2
09' 4	Short	56.00				40.9	44.3
09' 4	Long	56.00				40.9	44.3
09' 4	Oak Summit	56.00				40.9	44.3
09' 6	Short	57.00				40.2	43.6
09' 6	Long	57.00				40.2	43.6
09' 6	Oak Summit	57.00				40.2	43.6
09' 8	Short	58.00				39.5	42.8
09' 8	Long	58.00				39.5	42.8
09' 8	Oak Summit	58.00				39.5	42.8
09' 10	Short	59.00				38.9	42.1
09' 10	Long	59.00				38.9	42.1
09' 10	Oak Summit	59.00				38.9	42.1
10' 0	Short	48.41	71.59			64.0	69.4
10' 0	Long	60.00				38.2	41.4
10' 0	Oak Summit	60.00				38.2	41.4
10' 2	Short	49.32	72.68			63.1	68.3
10' 2	Long	61.00				37.6	40.7
10' 2	Oak Summit	61.00				37.6	40.7
10' 4	Short	50.23	73.68			62.2	67.4
10' 4	Long	62.00				37.0	40.1
10' 4	Oak Summit	62.00				37.0	40.1
10' 6	Short	50.84	75.17			61.0	66.1
10' 6	Long	63.00				36.4	39.4
10' 6	Oak Summit	63.00				36.4	39.4
10' 8	Short	51.84	76.17			60.2	65.2
10' 8	Long	64.00				35.8	38.8
10' 8	Oak Summit	64.00				35.8	38.8
10' 10	Short	52.50	77.50			59.2	64.1
11' 0	Short	53.50	78.50			58.4	63.3
11' 0	Long	44.41	87.59			52.3	56.7
11' 2	Short	54.20	79.80			57.5	62.2
11' 2	Long	45.30	88.70			51.7	56.0
11' 4	Short	55.20	80.80			56.7	61.5
11' 4	Long	46.30	89.70			51.1	55.4
11' 6	Short	56.20	81.80			56.1	60.7
11' 6	Long	47.30	90.70			50.6	54.8
11' 8	Short	57.20	82.80			55.4	60.0
11' 8	Long	47.63	92.38			49.6	53.8
11' 10	Short	47.81	94.19			48.7	52.7
11' 10	Long	48.30	93.70			48.9	53.0
12' 0	Short	48.81	95.19			48.2	52.2
12' 0	Long	49.63	94.38			48.6	52.6
12' 0	Oak Summit	48.31	95.69			47.9	51.9
12' 2	Short	49.64	96.36			47.6	51.5
12' 2	Long	50.08	95.92			47.8	51.8
12' 2	Oak Summit	49.06	96.94			47.3	51.2
12' 4	Short	50.64	97.36			47.1	51.0
12' 4	Long	51.08	96.92			47.3	51.3
12' 4	Oak Summit	49.81	98.19			46.7	50.6
12' 6	Short	50.67	99.33			46.2	50.0
12' 6	Long	51.17	98.83			46.4	50.3
12' 6	Oak Summit	50.56	99.44			46.1	50.0
12' 8	Short	51.67	100.33			45.7	49.5
12' 8	Long	52.10	99.90			45.9	49.7
12' 8	Oak Summit	51.31	100.69			45.5	49.3
12' 10	Short	52.25	101.75			45.1	48.8
12' 10	Long	53.10	100.90			45.4	49.2
12' 10	Oak Summit	52.06	101.94			45.0	48.7

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
13' 0	Short	53.00	103.00			44.5	48.2
13' 0	Long	54.10	101.90			45.0	48.7
13' 0	Oak Summit	52.81	103.19			44.4	48.1
13' 2	Short	54.00	104.00			44.1	47.8
13' 2	Long	55.10	102.90			44.6	48.3
13' 2	Oak Summit	53.56	104.44			43.9	47.6
13' 4	Short	54.40	105.60			43.4	47.0
13' 4	Long	54.90	105.10			43.6	47.3
13' 4	Oak Summit	54.31	105.69			43.4	47.0
13' 6	Short	55.40	106.60			43.0	46.6
13' 6	Long	55.90	106.10			43.2	46.8
13' 6	Oak Summit	55.06	106.94			42.9	46.4
13' 8	Short	56.40	107.60			42.6	46.2
13' 8	Long	56.63	107.38			42.7	46.3
13' 8	Oak Summit	55.81	108.19			42.4	45.9
13' 10	Short	57.16	82.94	108.71		55.2	59.8
13' 10	Long	57.17	108.83			42.1	45.6
13' 10	Oak Summit	56.56	109.44			41.9	45.4
14' 0	Short	57.78	83.94	110.11		54.6	59.1
14' 0	Long	58.63	109.38			41.9	45.4
14' 0	Oak Summit	57.31	110.69			41.4	44.9
14' 2	Short	58.85	84.94	111.41		53.9	58.4
14' 2	Long	59.17	110.83			41.4	44.8
14' 2	Oak Summit	58.06	111.94			41.0	44.4
14' 4	Short	59.16	85.94	112.71		53.3	57.8
14' 4	Long	60.17	111.83			41.0	44.4
14' 4	Oak Summit	58.81	113.19			40.5	43.9
14' 6	Short	59.86	86.94	114.01		52.7	57.1
14' 6	Long	61.17	112.83			40.6	44.0
14' 6	Oak Summit	59.56	114.44			40.1	43.4
14' 8	Short	60.56	87.94	115.31		52.1	56.4
14' 8	Long	44.81	131.19			34.9	37.9
14' 10	Short	61.26	88.94	116.61		51.5	55.8
14' 10	Long	45.60	89.00	132.40		51.5	55.8
15' 0	Short	61.94	89.94	117.94		50.9	55.2
15' 0	Long	46.60	90.00	133.40		50.9	55.2
15' 2	Short	62.66	90.94	119.21		50.4	54.6
15' 2	Long	47.60	91.00	134.40		50.4	54.6
15' 4	Short	53.60	79.20	104.80	130.40	49.8	54.0
15' 4	Long	47.25	92.00	136.75		49.8	54.0
15' 6	Short	46.62	93.00	139.38		49.3	53.4
15' 6	Long	47.60	93.00	138.40		49.3	53.4
15' 6	Oak Summit	47.42	93.00	138.58		49.3	53.4
15' 8	Short	47.62	94.00	140.38		48.8	52.8
15' 8	Long	48.60	94.00	139.40		48.8	52.8
15' 8	Oak Summit	48.02	94.00	139.98		48.8	52.8
15' 10	Short	48.62	95.00	141.38		48.3	52.3
15' 10	Long	49.17	95.00	140.83		48.3	52.3
15' 10	Oak Summit	48.62	95.00	141.38		48.3	52.3
16' 0	Short	49.62	96.00	142.38		48.0	52.0
16' 0	Long	50.60	96.00	141.40		48.0	52.0
16' 0	Oak Summit	48.42	96.00	143.58		48.0	52.0

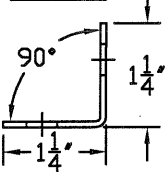
TOP FIXTURE REINFORCEMENT
ILLUSTRATION



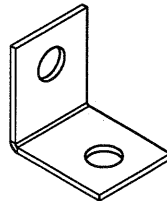
TOP FIXTURE ADDER PIECE



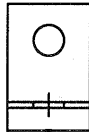
TOP VIEW



END VIEW



ISOMETRIC VIEW



SIDE VIEW

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

SIZES SUBJECT
TO WEIGHT
LIMITATIONS

DESIGN LOADS
+48.0 PSF
-52.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL

Amarr

MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	11/11
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