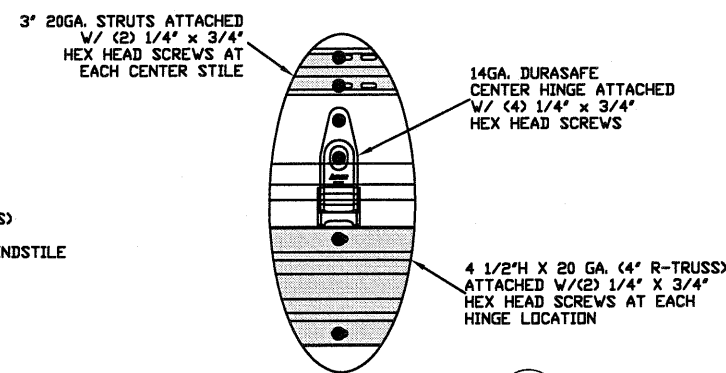
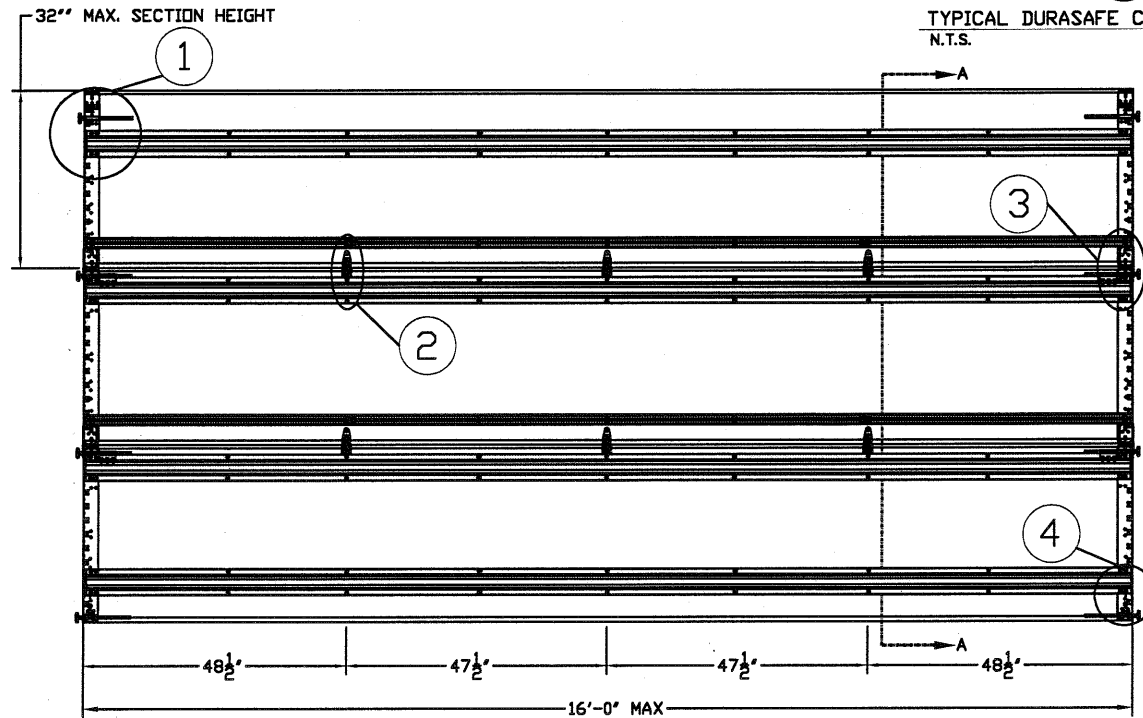


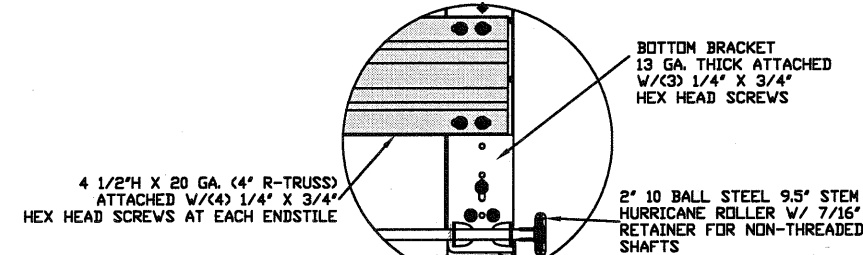
TYPICAL TOP FIXTURES
N.T.S.



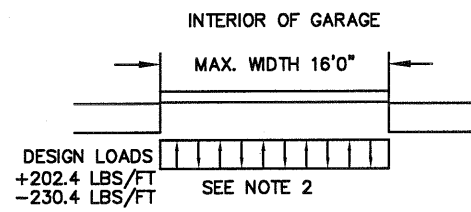
TYPICAL DURASAFE CENTER HINGE
N.T.S.



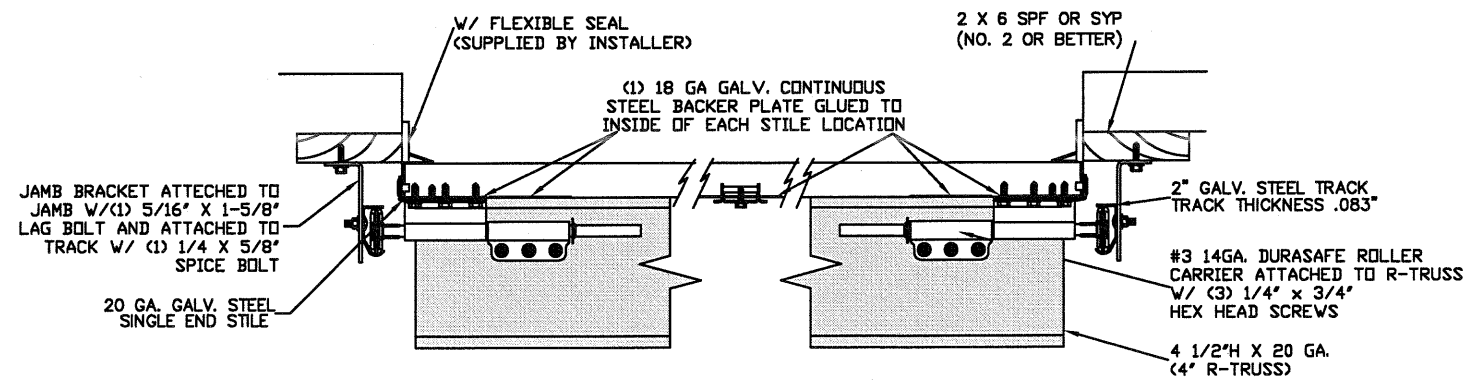
INSIDE ELEVATION
N.T.S.



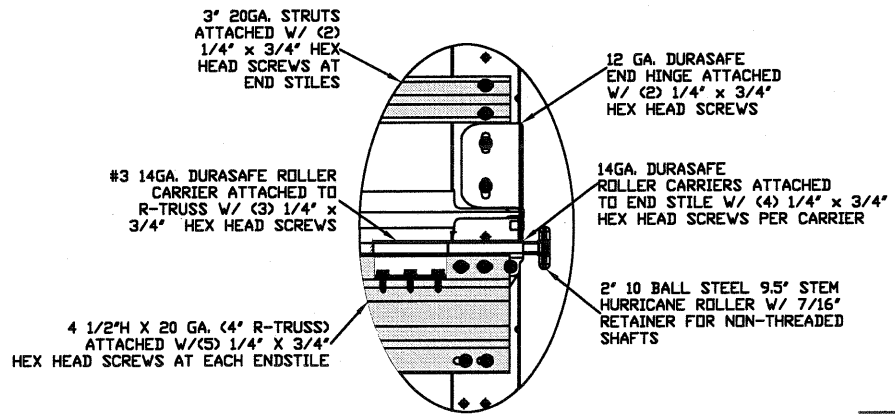
TYPICAL BOTTOM BRACKET
N.T.S.



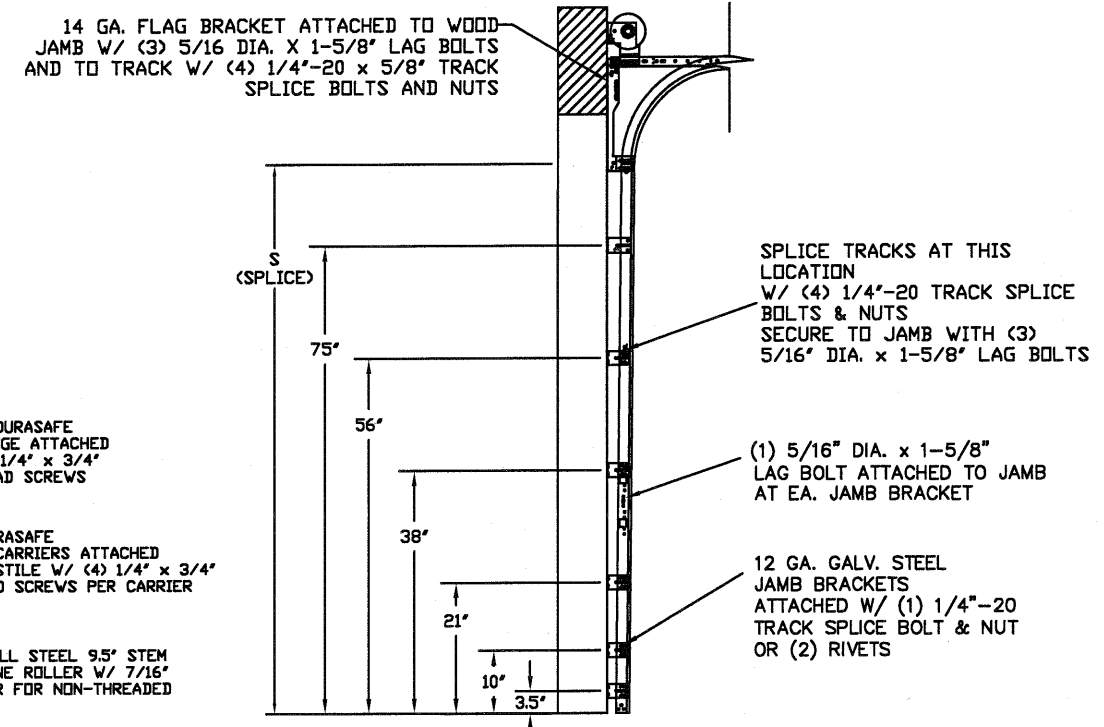
DESIGN LOADS
+202.4 LBS/FT
-230.4 LBS/FT
SEE NOTE 2



TRACK MOUNTING DETAIL
N.T.S.



TYPICAL DURASAFE END HINGE
N.T.S.



TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S.

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

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: +202.4 LBS/FT & -230.4 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. EXTERIOR MIN. (.019"), AND 27 GA. INTERIOR MIN. (.014") 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.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, E1886, E1996 & F588, DASMA 108 & 115. 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
16' x 14'

DESIGN LOADS
+25.3 PSF
-28.8 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+38.0 PSF
-43.2 PSF

THOMAS L. SHELDERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

Thomas L. Sheldermine, 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

MODEL #3000 AMARR CLASSICA 3000

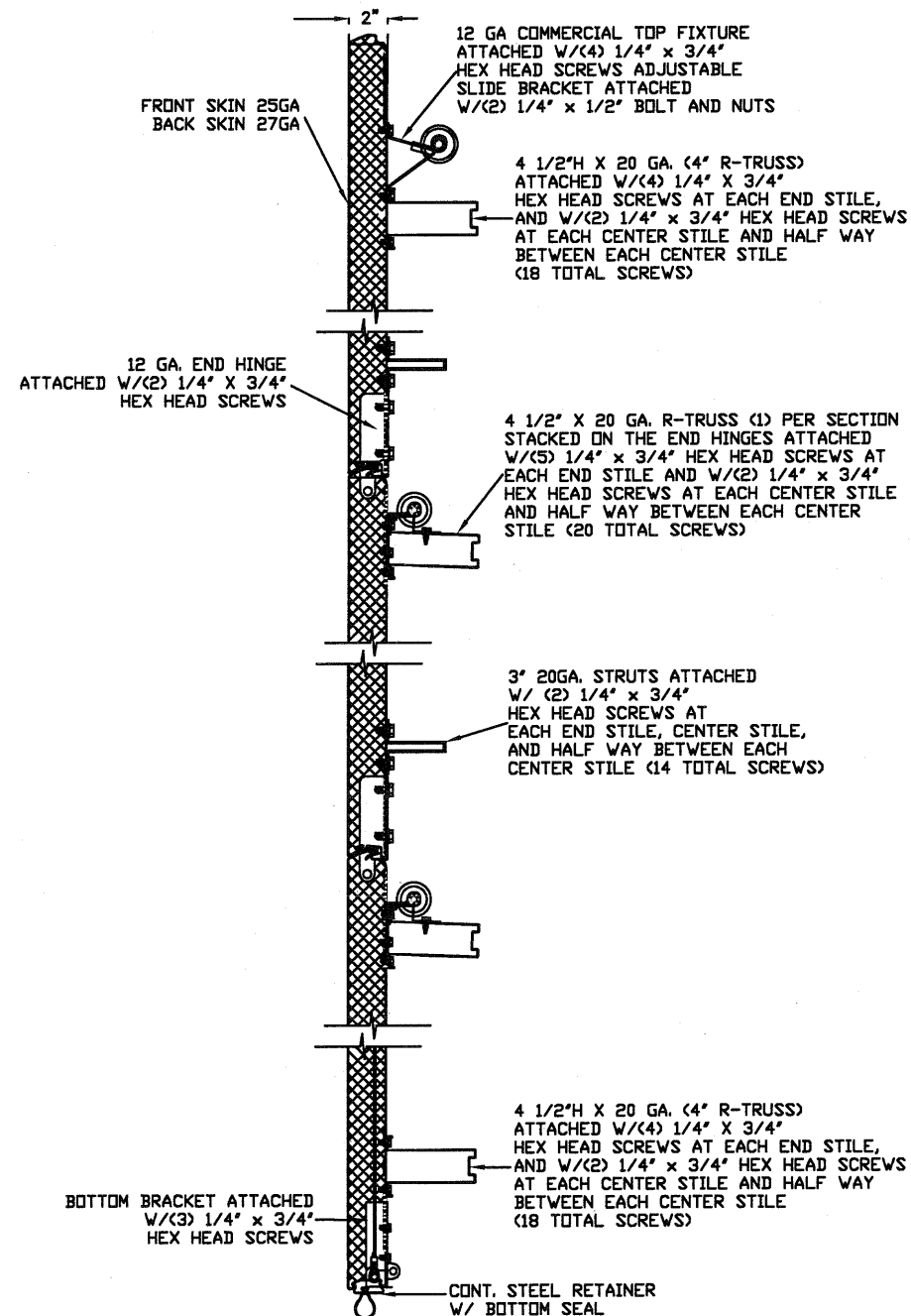
SIZE B	DRAWN BY RLR	DATE 3/6/14	DRAWING NUMBER IRC-3316-130-24-I
	CHECKED BY	DATE	

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SHEET 1 OF 2

TABLE 1

Section	Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
	Width (ft)	1st (in)	2nd (in)	3rd (in)	4th (in)	
09' 2	55.00					22.0 25.0
09' 4	56.00					21.6 24.6
09' 6	57.00					21.2 24.1
09' 8	58.00					20.8 23.7
09' 10	59.00					20.5 23.3
10' 0	60.00					20.1 22.9
10' 2	61.00					19.8 22.5
10' 4	62.00					19.5 22.2
10' 6	63.00					19.2 21.8
10' 8	64.00					18.9 21.5
10' 10	65.00					18.6 21.2
11' 0	66.00					18.3 20.8
11' 2	67.00					18.0 20.5
11' 4	68.00					17.8 20.2
11' 6	69.00					17.5 19.9
11' 8	70.00					17.3 19.6
11' 10	71.00					17.0 19.4
12' 0	48.31	95.69				25.3 28.7
12' 2	49.06	96.94				24.9 28.4
12' 4	49.81	98.19				24.6 28.0
12' 6	50.56	99.44				24.3 27.7
12' 8	51.31	100.69				24.0 27.3
12' 10	52.06	101.94				23.7 27.0
13' 0	52.81	103.19				23.4 26.7
13' 2	53.56	104.44				23.1 26.3
13' 4	54.31	105.69				22.9 26.0
13' 6	55.06	106.94				22.6 25.7
13' 8	55.81	108.19				22.3 25.4
13' 10	56.56	109.44				22.1 25.1
14' 0	57.31	110.69				21.8 24.9
14' 2	58.06	111.94				21.6 24.6
14' 4	58.81	113.19				21.4 24.3
14' 6	59.56	114.44				21.1 24.0
14' 8	60.31	115.69				20.9 23.8
14' 10	61.06	116.94				20.7 23.5
15' 0	61.81	118.19				20.4 23.3
15' 2	62.56	119.44				20.2 23.0
15' 4	63.31	120.69				20.0 22.8
15' 6	47.42	93.00	138.58			26.0 29.6
15' 8	48.02	94.00	139.98			25.7 29.3
15' 10	48.62	95.00	141.38			25.4 29.0
16' 0	48.42	96.00	143.58			25.3 28.8

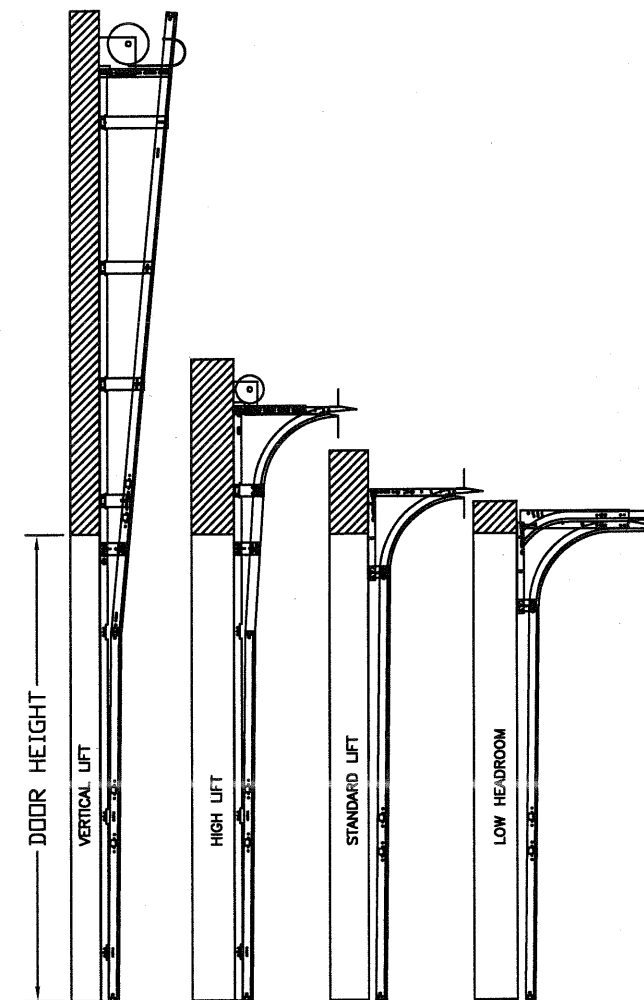
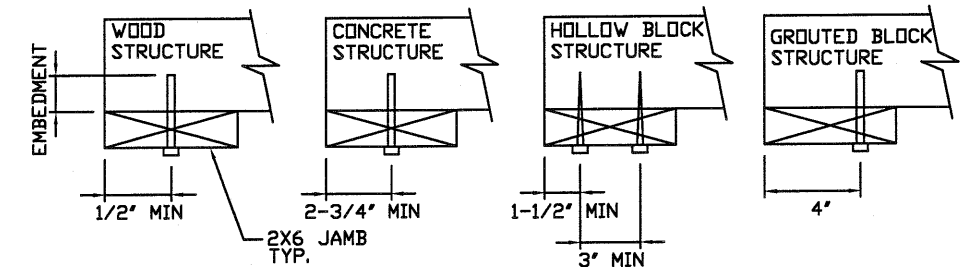
SECTION A-A (SIDE VIEW)
N.T.S.

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 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 22" 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 16" 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 16" 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

AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 16' x 14'		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)
DESIGN LOADS +25.3 PSF -28.8 PSF		
TEST LOADS (1.5 x DESIGN LOADS) +38.0 PSF -43.2 PSF		

Amarr

MODEL #3000 AMARR CLASSICA 3000

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