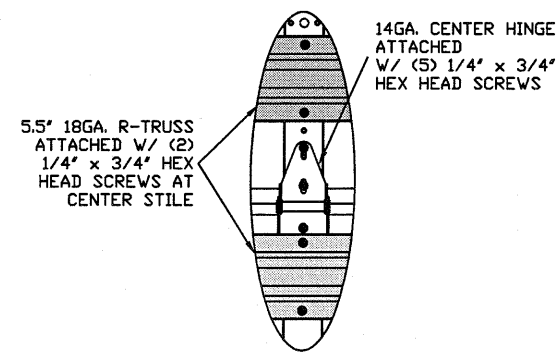
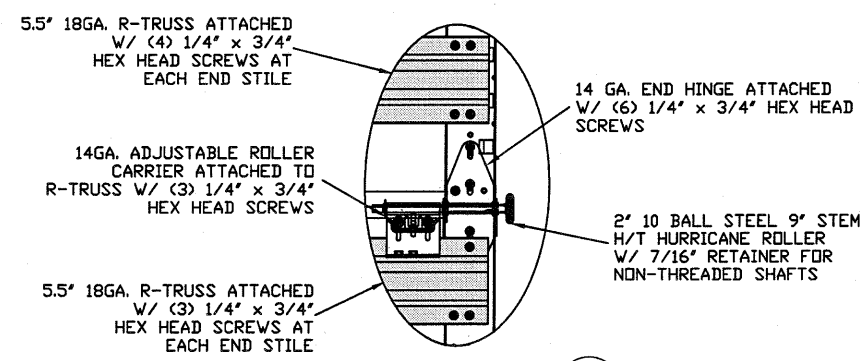


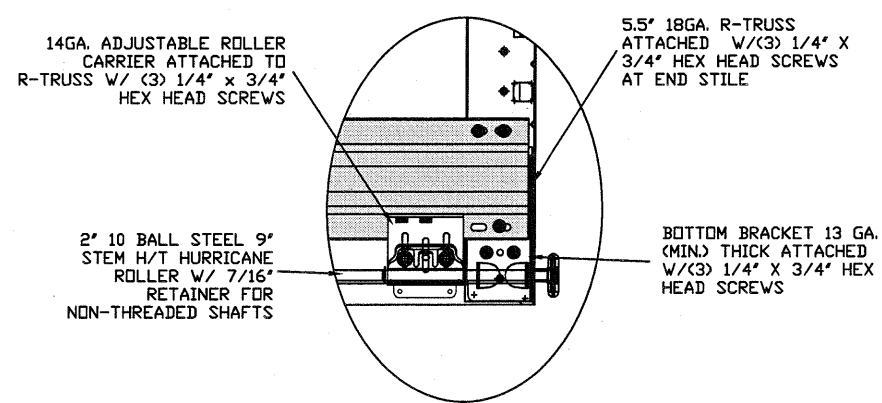
TYPICAL TOP FIXTURES
N.T.S. 1



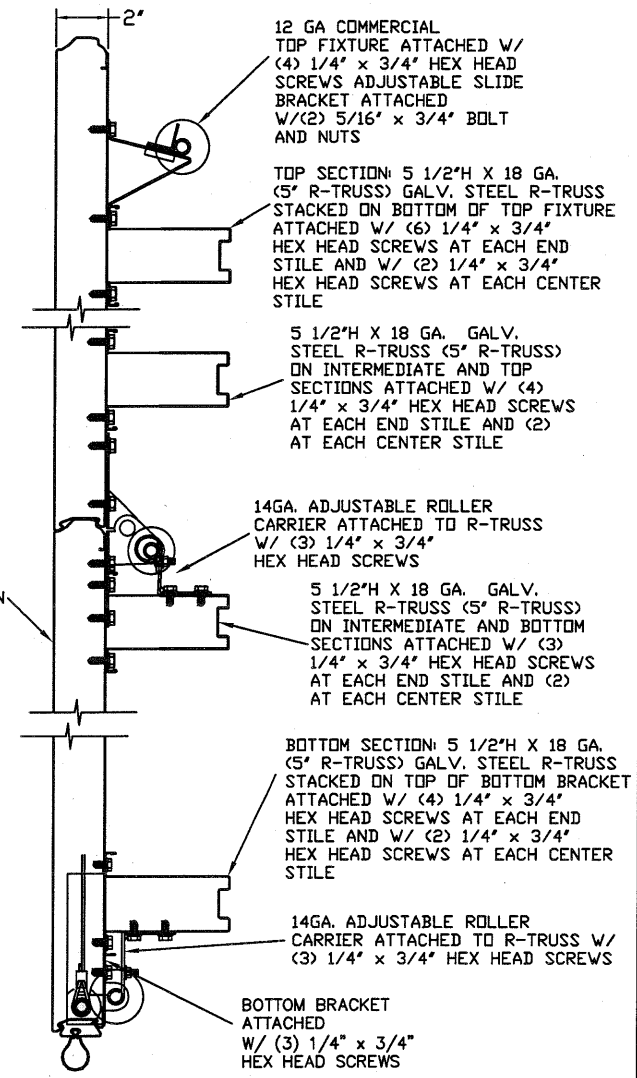
TYPICAL CENTER HINGE
N.T.S. 2



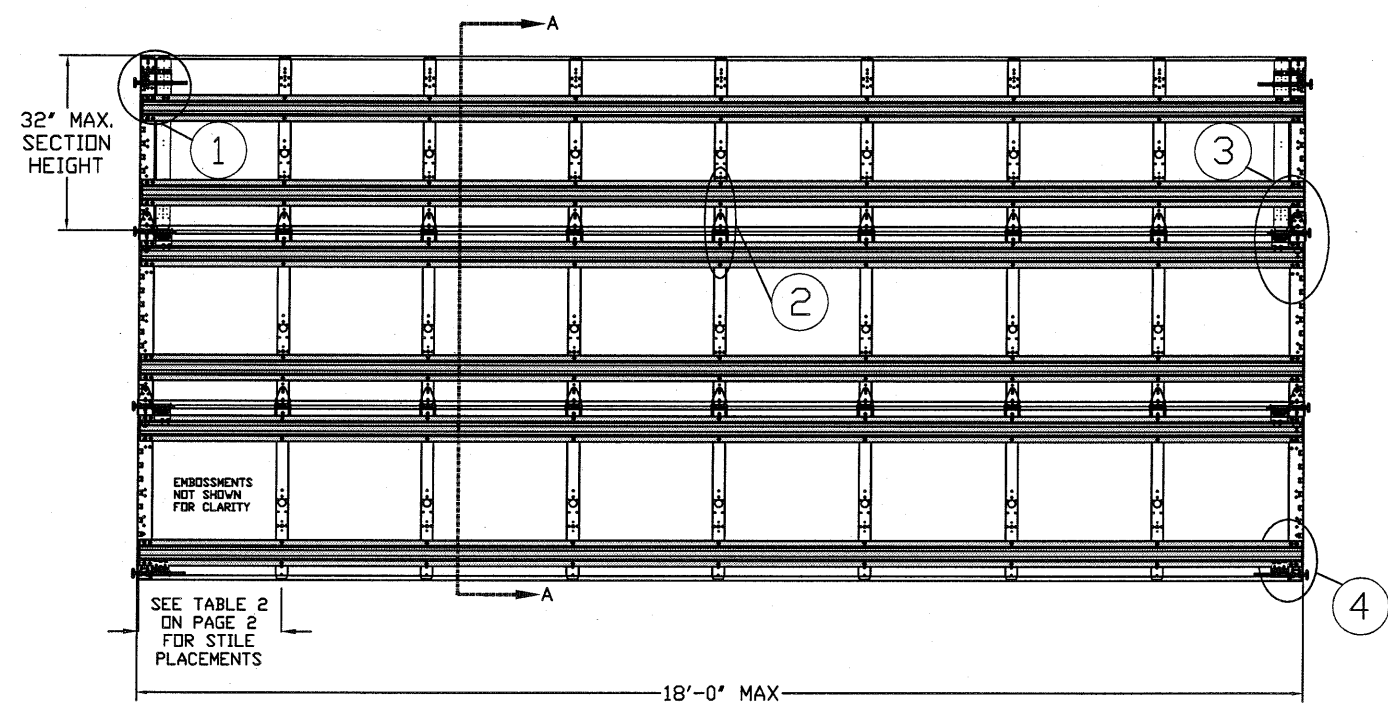
TYPICAL END HINGE
N.T.S. 3



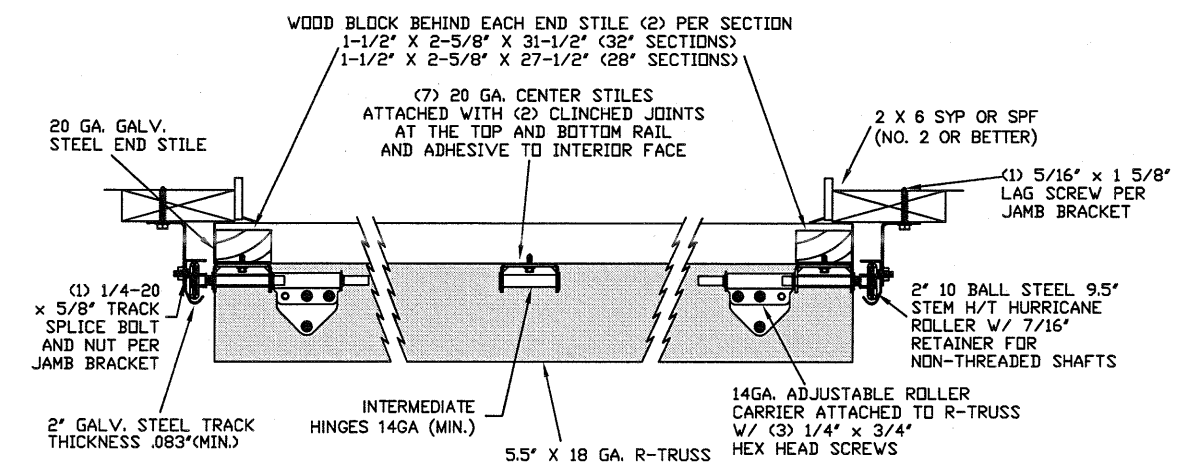
TYPICAL BOTTOM BRACKET
N.T.S. 4



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



INSIDE ELEVATION
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 & 115, ASTM E330, E1886, E1996, & F588. 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)	194	176	168	160	154
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14'

DESIGN LOADS +33.7 PSF -38.1 PSF

TEST LOADS (1.5 x DESIGN LOADS) +50.6 PSF -57.2 PSF

LARGE MISSILE IMPACT RESISTANCE

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

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED PROFESSIONAL ENGINEER
TX

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

Amarr

MODEL 500 AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY DLJ	DATE 11/20/20	DRAWING NUMBER
B	CHECKED BY RLR	DATE 12/02/20	IRC-5318-150-26-1

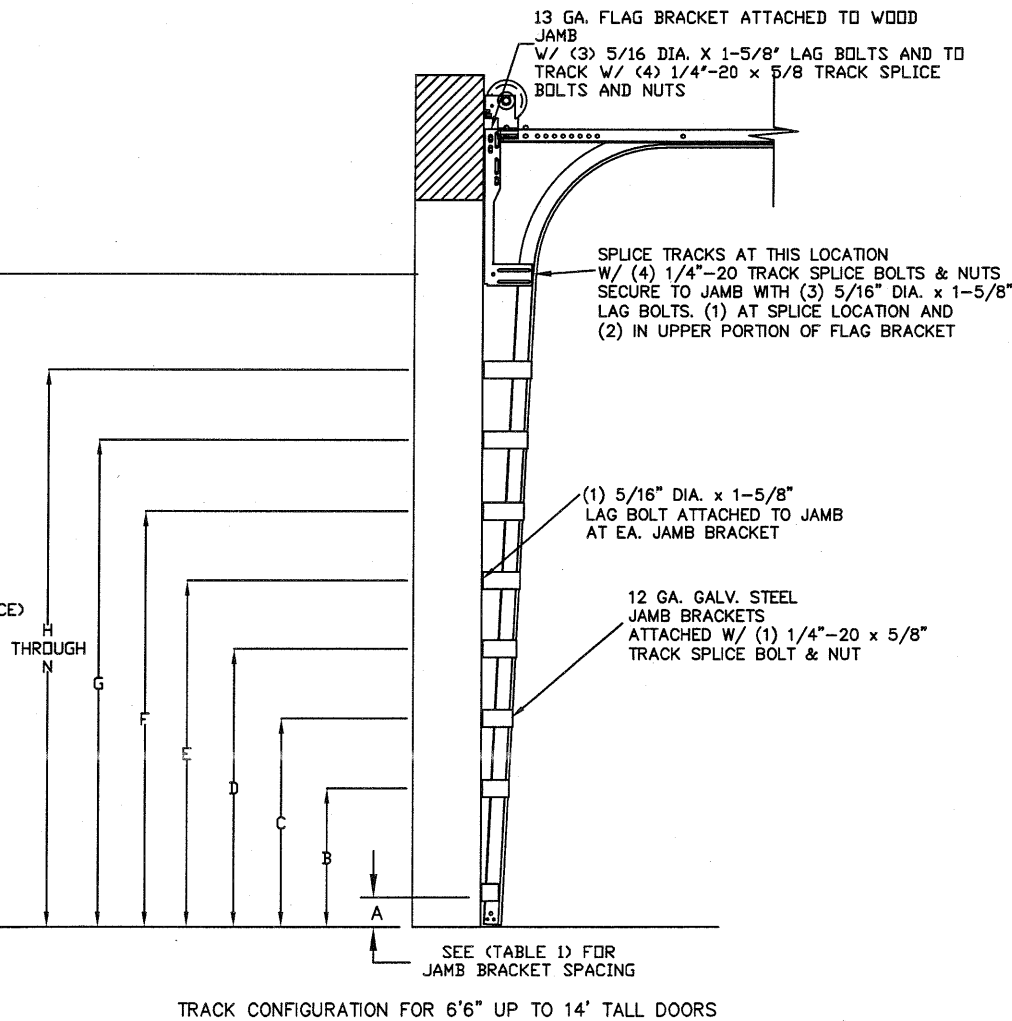
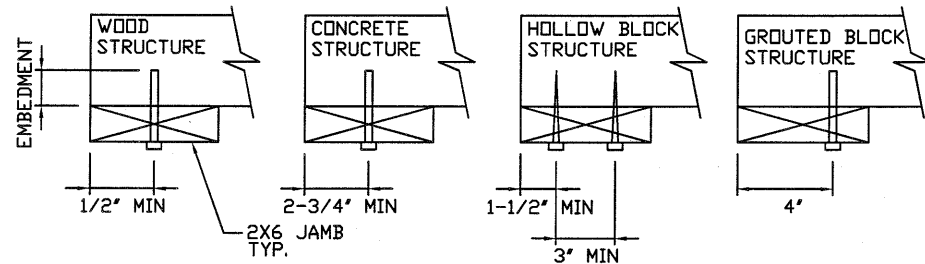
AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 2

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 16" 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 14" 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 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 16" O.C. (1 1/4" EMBEDMENT) OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

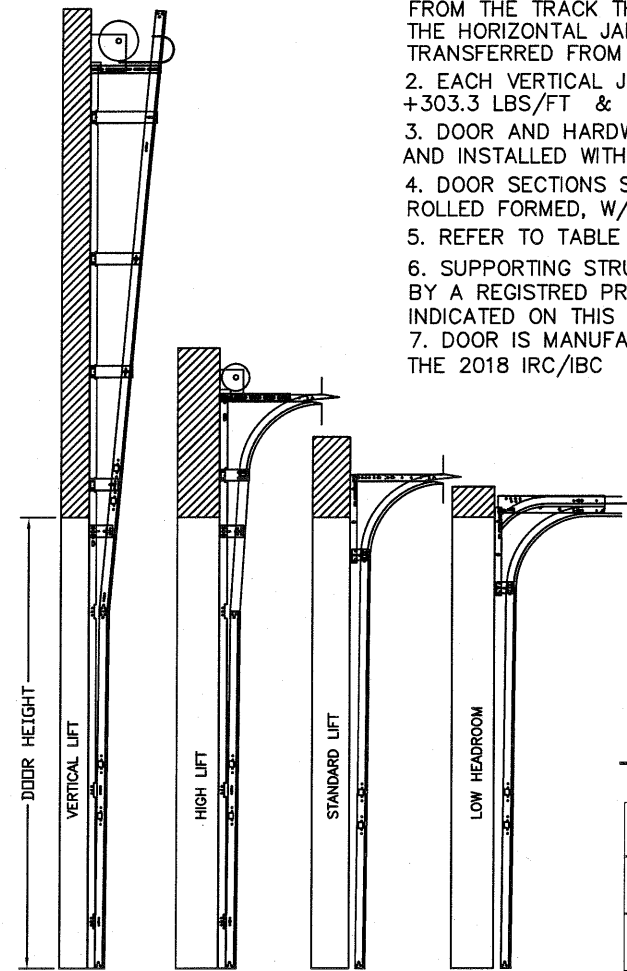
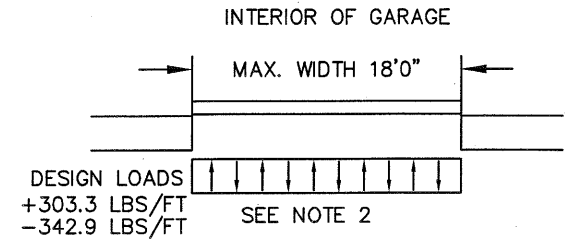
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
 *PREPARATION OF WOOD JAMBS BY OTHERS



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS

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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +303.3 LBS/FT & -342.9 LBS/FT
- DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 24 GA. MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- REFER TO TABLE 1 FOR TRACK ATTACHMENT SCHEDULE
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
- DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC



AVAILABLE TRACK CONFIGURATIONS N.T.S.

TABLE 2

Section Width (ft)	Center Stile Locations (Measured from Left Edge)						
	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)
16' 2"	24.63	48.75	72.880	97.00	121.13	145.25	169.38
16' 4"	24.63	49.08	73.540	98.00	122.46	146.92	171.38
16' 6"	24.63	49.42	74.210	99.00	123.79	148.59	173.38
16' 8"	24.88	49.92	74.960	100.00	125.04	150.09	175.13
16' 10"	25.13	50.42	75.710	101.00	126.29	151.59	176.88
17' 0"	25.38	50.92	76.460	102.00	127.54	153.09	178.63
17' 2"	25.63	51.42	77.210	103.00	128.79	154.59	180.38
17' 4"	25.88	51.92	77.960	104.00	130.04	156.09	182.13
17' 6"	26.13	52.42	78.710	105.00	131.29	157.59	183.88
17' 8"	26.38	52.92	79.460	106.00	132.54	159.09	185.63
17' 10"	26.63	53.42	80.210	107.00	133.79	160.59	187.38
18' 0"	26.88	53.92	80.960	108.00	135.04	162.09	189.13

TABLE 3

SECTION	STRUT SIZE
TOP	5.5"
5TH	5.5"
4TH	5.5"
3RD	5.5"
2ND	5.5"
BOTTOM	5.5"

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT															TYPICAL SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N		
7' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"									76"
7' 6"	3.5"	10.0"	22.0"	34"	46"	58"	70"									82"
8' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"								88"
8' 6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"								94"
9' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"							100"
9' 6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"							106"
10' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"						112"
11' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"					124"
12' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"				136"
13' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"			148"
14' 0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"		160"

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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14'
 DESIGN LOADS +33.7 PSF -38.1 PSF
 TEST LOADS (1.5 x DESIGN LOADS) +50.6 PSF -57.2 PSF
 LARGE MISSILE IMPACT RESISTANCE

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	CHECKED BY RLR	DATE 12/02/20	

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

SHEET 2 OF 2