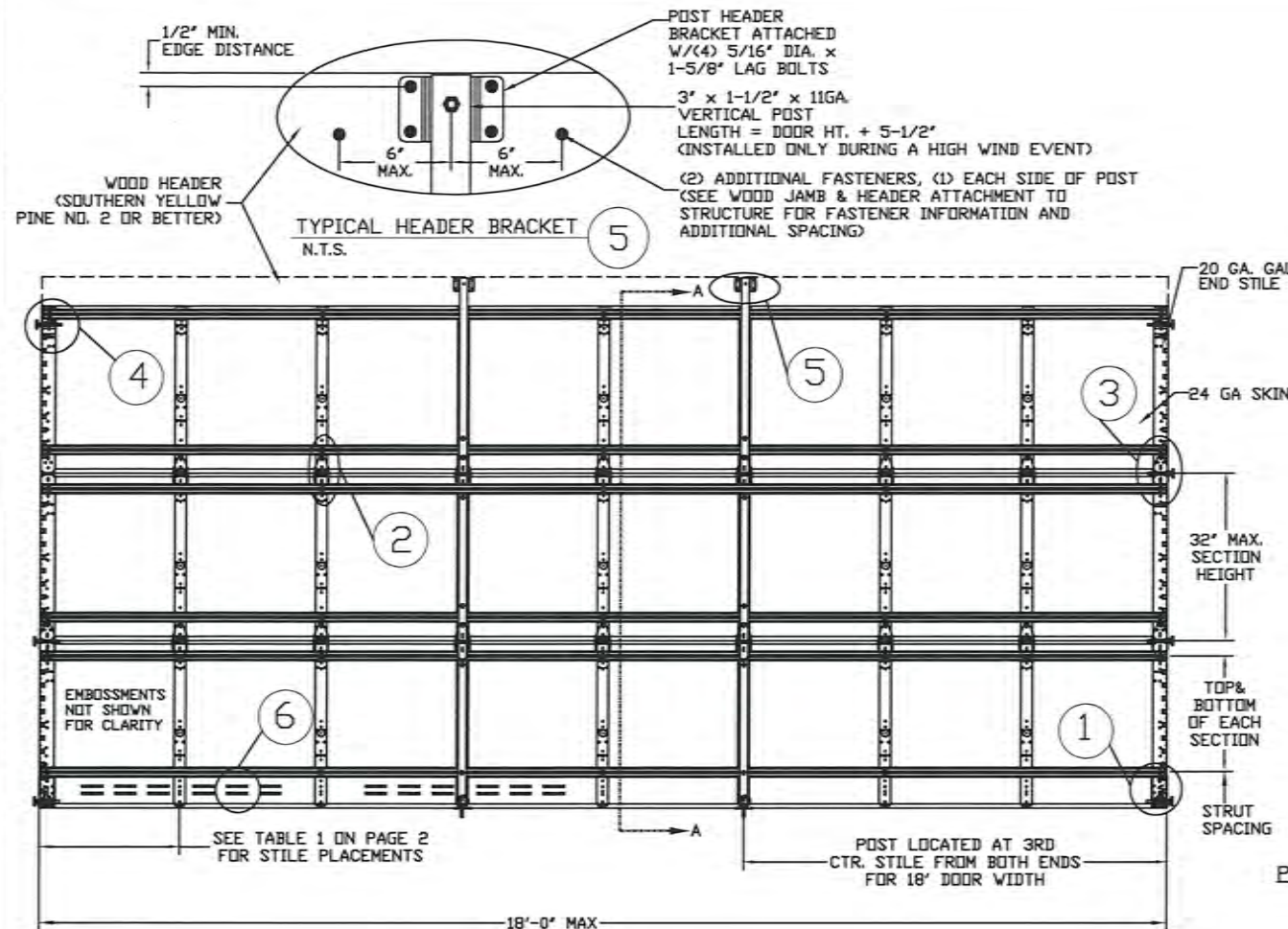
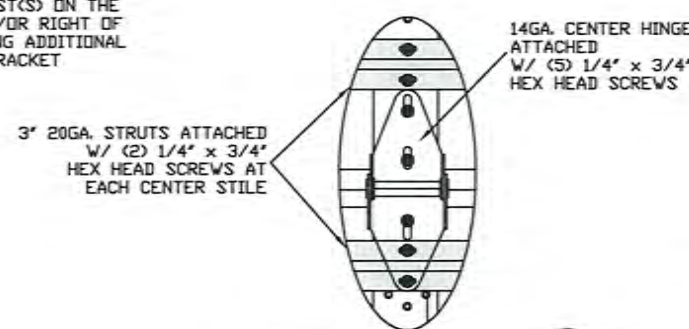
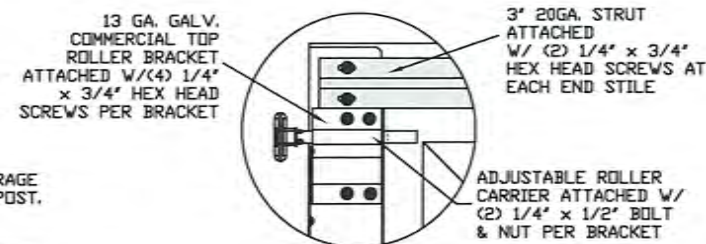
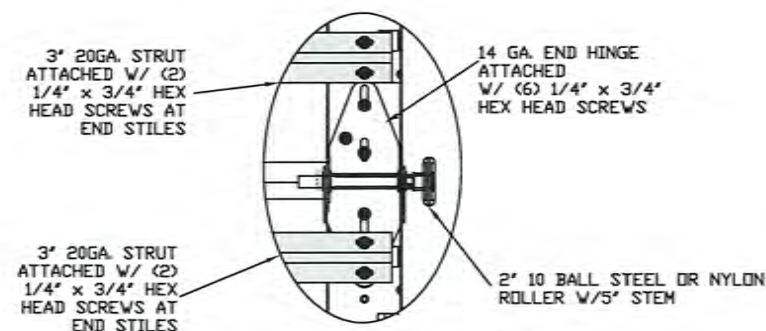
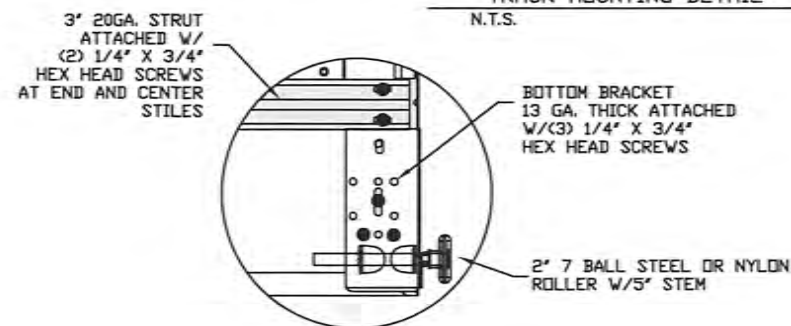
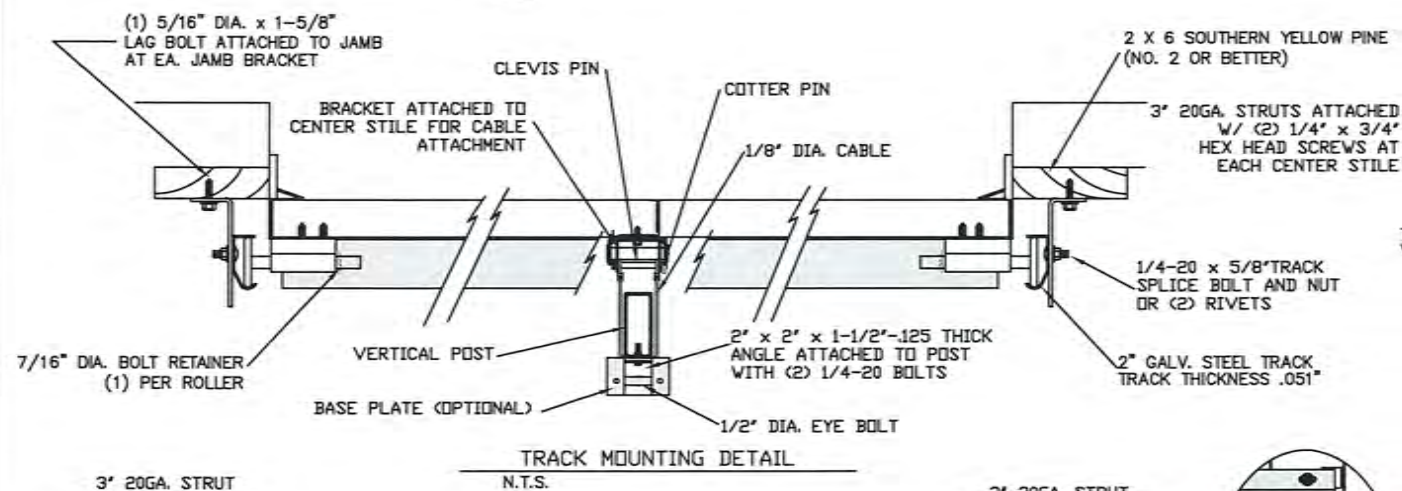
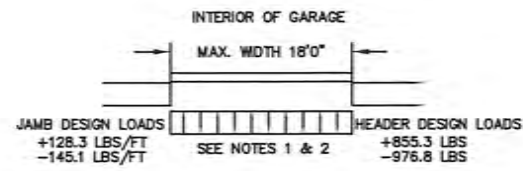
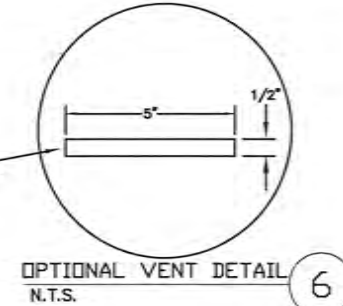




INSIDE ELEVATION
N.T.S.



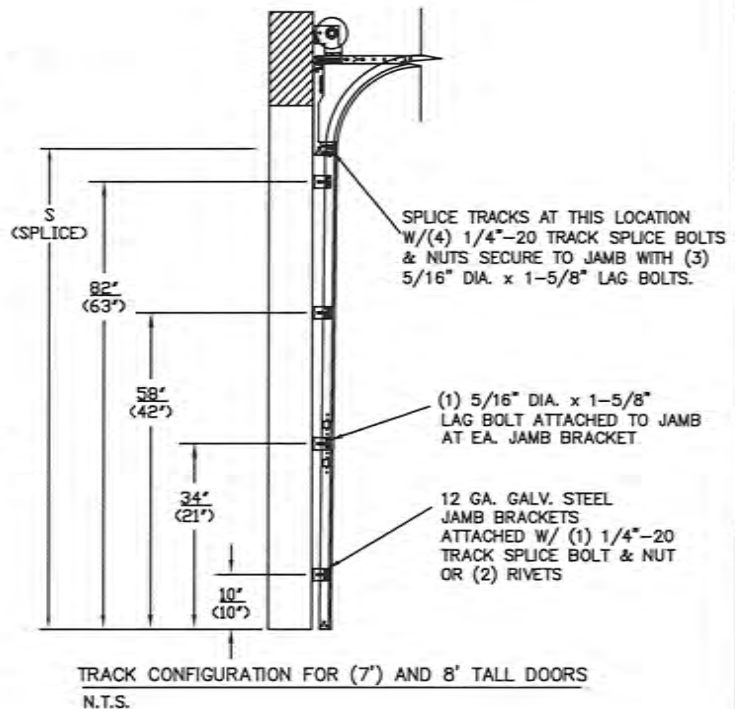
TWO (2) ROWS OF THREE (3) VENTS EQUALS 15 SQ. INCHES



- SPECIFICATIONS AND NOTES**
1. THE HEADER RECEIVES MAXIMUM DESIGN LOADS OF: +855.3 LBS & -976.8 LBS AT THE TOP OF EACH POST.
 2. EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +128.3 LBS/FT & -145.1 LBS/FT
 3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
 4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.021") 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 AND ANSI/DASHA 108. 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)	206	187	178	170	163
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'



REV	DESCRIPTION OF REVISIONS	DATE	BY
B	REMOVED NOTE 6	9-3-08	BHG
C	ADDED CONVENTIONAL HINGES	7-7-21	DLJ

MAX SIZE 18' x 8'

DESIGN LOADS +38.0 PSF -43.0 PSF

TEST LOADS (1.5 x DESIGN LOADS) +57.1 PSF -64.5 PSF

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

Thomas L. Shelmerdine, 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

Amarr

MODEL 500 AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	DLJ	DATE	03/10/05	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	03/10/05	IRC-5318-160-45
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 2

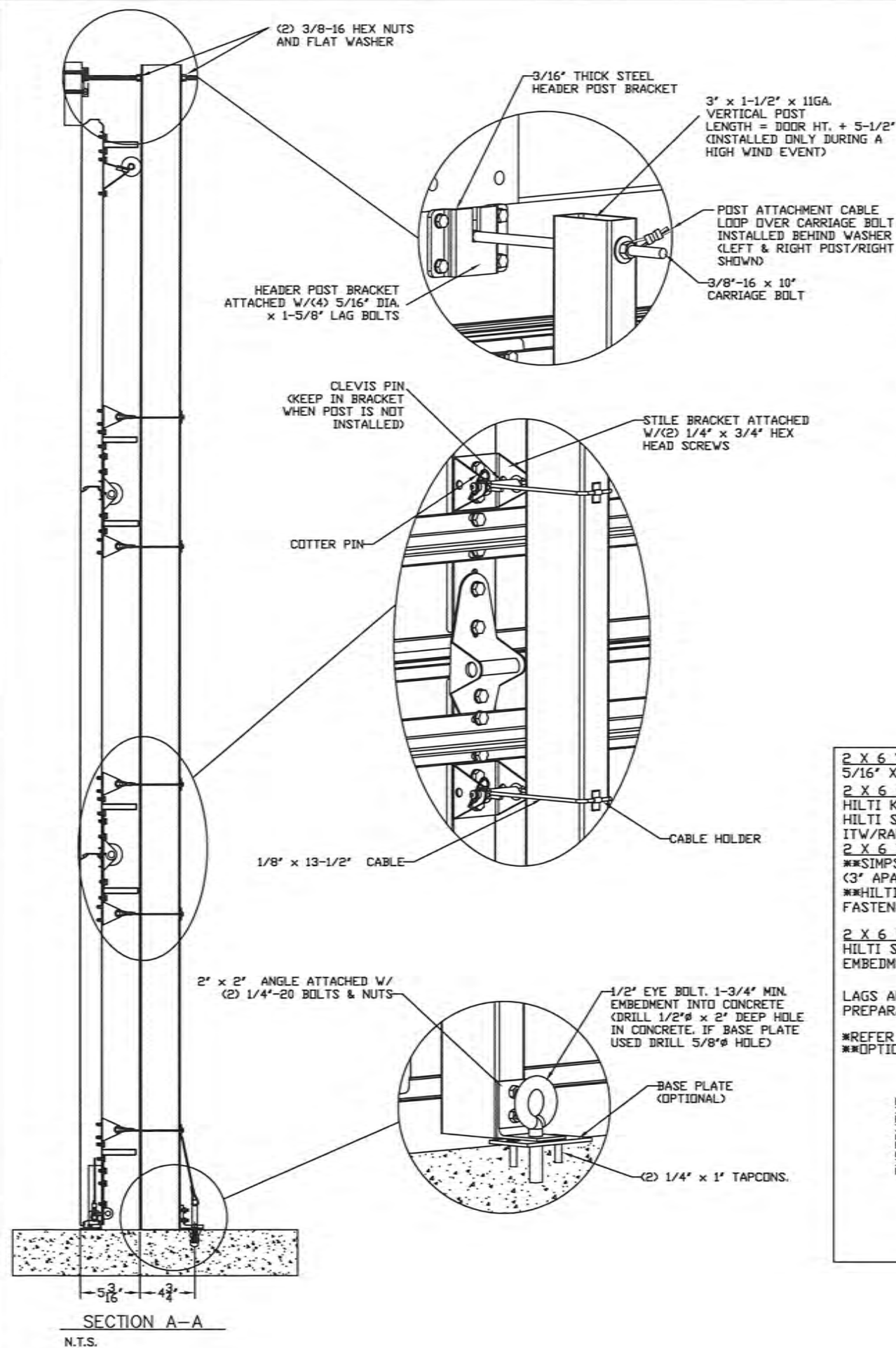


TABLE 1

Door 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	*72.88	97.00	*121.13	145.25	169.38
16' 4	24.63	49.08	*73.54	98.00	*122.46	146.92	171.38
16' 6	24.63	49.42	*74.21	99.00	*123.79	148.59	173.38
16' 8	24.88	49.92	*74.96	100.00	*125.04	150.09	175.13
16' 10	25.13	50.42	*75.71	101.00	*126.29	151.59	176.88
17' 0	25.38	50.92	*76.46	102.00	*127.54	153.09	178.63
17' 2	25.63	51.42	*77.21	103.00	*128.79	154.59	180.38
17' 4	25.88	51.92	*77.96	104.00	*130.04	156.09	182.13
17' 6	26.13	52.42	*78.71	105.00	*131.29	157.59	183.88
17' 8	26.38	52.92	*79.46	106.00	*132.54	159.09	185.63
17' 10	26.63	53.42	*80.21	107.00	*133.79	160.59	187.38
18' 0	26.88	53.92	*80.96	108.00	*135.04	162.09	189.13

* Post locations

TABLE 2

FOR MAX. 8' TALL DOORS CONSTRUCTED USING (1) OR MORE 32" SECTIONS

Door Width (ft)	Max Design Loads Allowed	
	Positive (PSF)	Negative (PSF)
16' 2	42.1	47.6
16' 4	41.7	47.2
16' 6	41.2	46.7
16' 8	40.8	46.2
16' 10	40.4	45.7
17' 0	40.0	45.3
17' 2	39.6	44.9
17' 4	39.3	44.4
17' 6	38.9	44.0
17' 8	38.5	43.6
17' 10	38.2	43.2
18' 0	38.0	43.0

TABLE 3

FOR 7' TALL DOORS CONSTRUCTED WITH ALL 28" SECTIONS

Door Width (ft)	Max Design Loads Allowed	
	Positive (PSF)	Negative (PSF)
16' 2	48.1	54.4
16' 4	47.6	53.9
16' 6	47.1	53.3
16' 8	46.7	52.8
16' 10	46.2	52.3
17' 0	45.8	51.8
17' 2	45.3	51.3
17' 4	44.9	50.8
17' 6	44.4	50.3
17' 8	44.0	49.8
17' 10	43.6	49.4
18' 0	43.2	48.9

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)

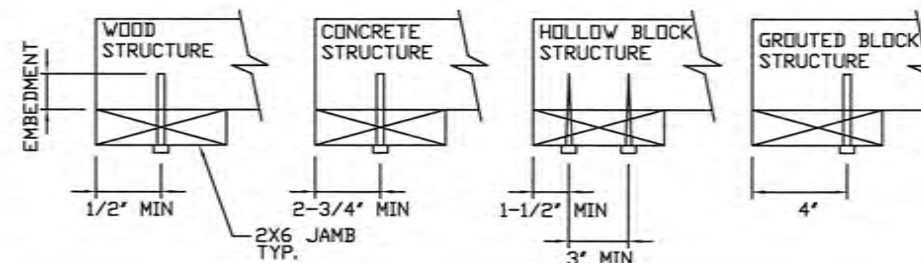
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 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

**REFER TO DETAIL (6) FOR ADDITIONAL FASTENERS AT HEADER
**OPTION NOT AVAILABLE FOR HEADER ATTACHMENT



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MAX SIZE
18' x 8'

DESIGN LOADS
+38.0 PSF
-43.0 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 2