

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

3" 20GA. STRUTS ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT EACH END STILE

2" 10B STL 4.5" STEM ROLLER (MIN)

ADJUSTABLE ROLLER CARRIER ATTACHED W/ (2) 5/16" x 3/4" BOLT & NUT PER BRACKET

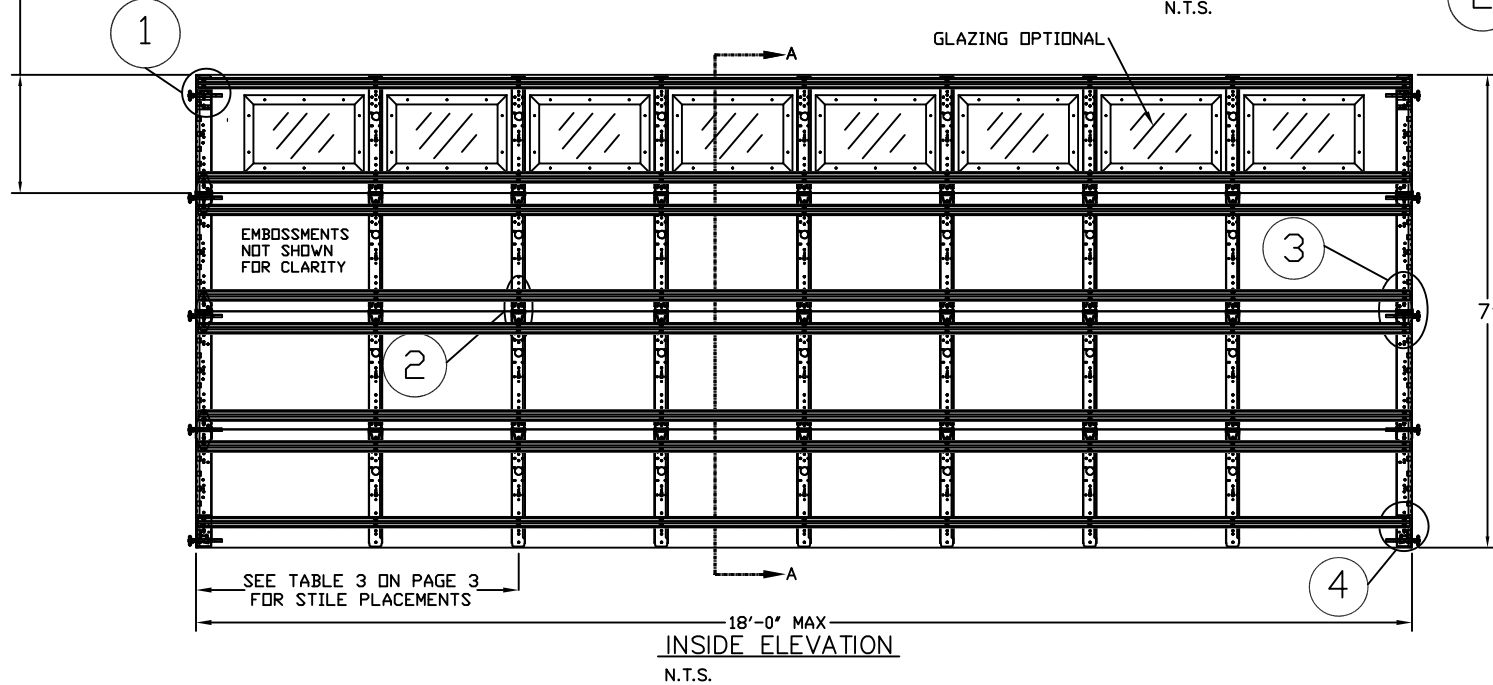
TYPICAL TOP FIXTURES
N.T.S.

3" 20GA. STRUTS ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT EACH CENTER STILE

18GA. CENTER HINGE ATTACHED W/ (6) 1/4" x 3/4" HEX HEAD SCREWS

TYPICAL CENTER HINGE
N.T.S.

SEE (TABLE 1) ON PAGE 3 FOR RECOMMENDED SECTION CONFIGURATION



25 GA SKIN (M625 & M675)
24 GA SKIN (M950)

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

14 GA. (MIN.) 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 TRACK SPLICE BOLT & NUT OR (2) RIVETS

S (SPLICE)

D (THROUGH)
H

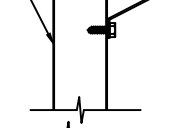
C

B

A

SEE (TABLE 2) ON PAGE 3 FOR JAMB BRACKET SPACING

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



3" x 20 GA. STRUTS (2) PER SECTION

BOTTOM BRACKET ATTACHED W/ (5) 1/4" x 3/4" HEX HEAD SCREWS

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

3" 20GA. STRUT ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS

14 GA. END HINGE ATTACHED W/ (7) 1/4" x 3/4" HEX HEAD SCREWS

3" 20GA. STRUT ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT END AND CENTER STILES

BOTTOM BRACKET 13 GA. THICK ATTACHED W/ (5) 1/4" x 3/4" HEX HEAD SCREWS

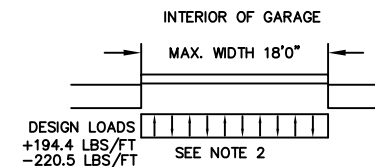
3" 20GA. STRUT ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS

2" 10B STL 4.5" STEM ROLLER (MIN)

2" 10B STL 4.5" STEM ROLLER (MIN)

TYPICAL END HINGE
N.T.S.

TYPICAL BOTTOM BRACKET
N.T.S.



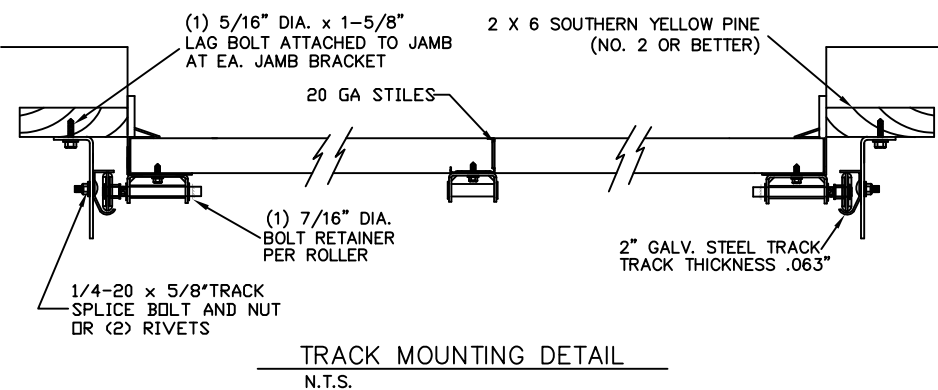
SPECIFICATIONS AND NOTES

- 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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +194.4 LBS/FT & -220.5 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
- REFER TO TABLES ON PAGE 3 FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES
- DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC

NOTE: FOR STRUT SCHEDULE SEE TABLE 4 ON PAGE 3

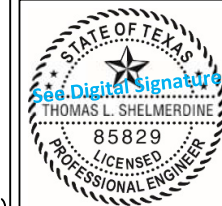
THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND ANSI/DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

| | | | | | |
|------------------|-----|-----|-----|-----|-----|
| WIND SPEED (MPH) | 155 | 140 | 133 | 127 | 122 |
| EXPOSURE LEVEL | B | C | C | D | D |
| MEAN ROOF HEIGHT | 30' | 15' | 25' | 15' | 25' |



| REV | DESCRIPTION OF REVISIONS | DATE | BY |
|-----|--------------------------------------|--------|-----|
| A | ADDED HERITAGE MODEL/DRAWING UPDATES | 3/1/22 | RLR |

MAX SIZE
18' x 14'
DESIGN LOADS
+21.6 PSF
-24.5 PSF
TEST LOADS
(1.5 x DESIGN LOADS)
+32.4 PSF
-36.8 PSF



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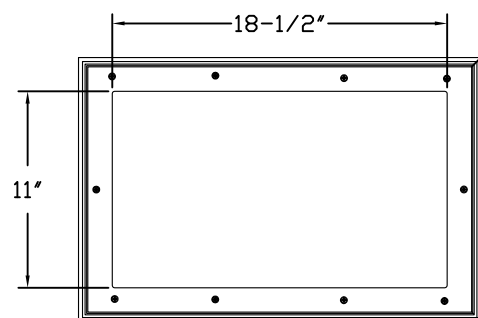
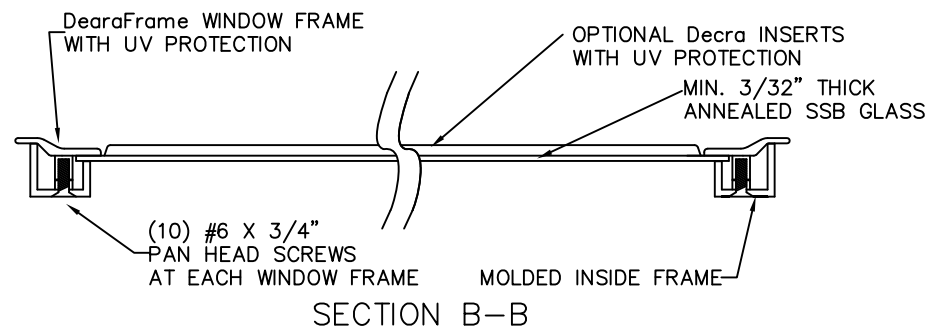
MODEL #625 AMARR LINCOLN 1000, 2000
MODEL #675 AMARR HILLCREST 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000

| SIZE | DRAWN BY | DLJ | DATE | 10/29/19 | DRAWING NUMBER |
|------|------------|-----|------|----------|-----------------|
| B | CHECKED BY | DRC | DATE | 10/31/19 | IRC-6218-120-15 |

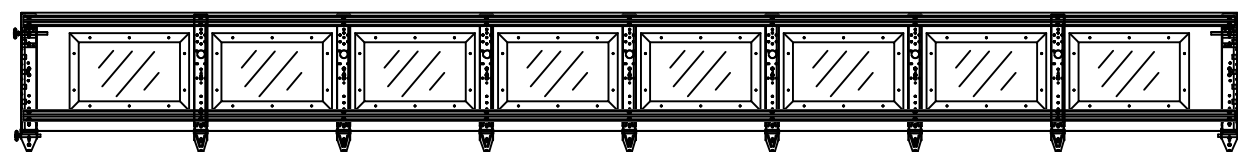
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GLAZING OPTION CROSS SECTION

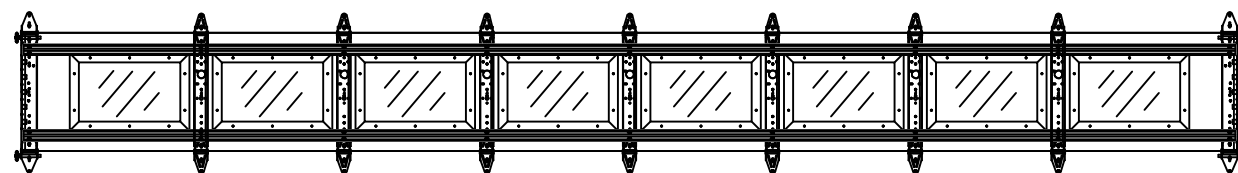
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



SHORT PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUT)



SHORT PANEL INTERMEDIATE GLAZED SECTION (STRUT AND STILE LAYOUT)

WOOD JAMB ATTACHMENT TO STRUCTURE

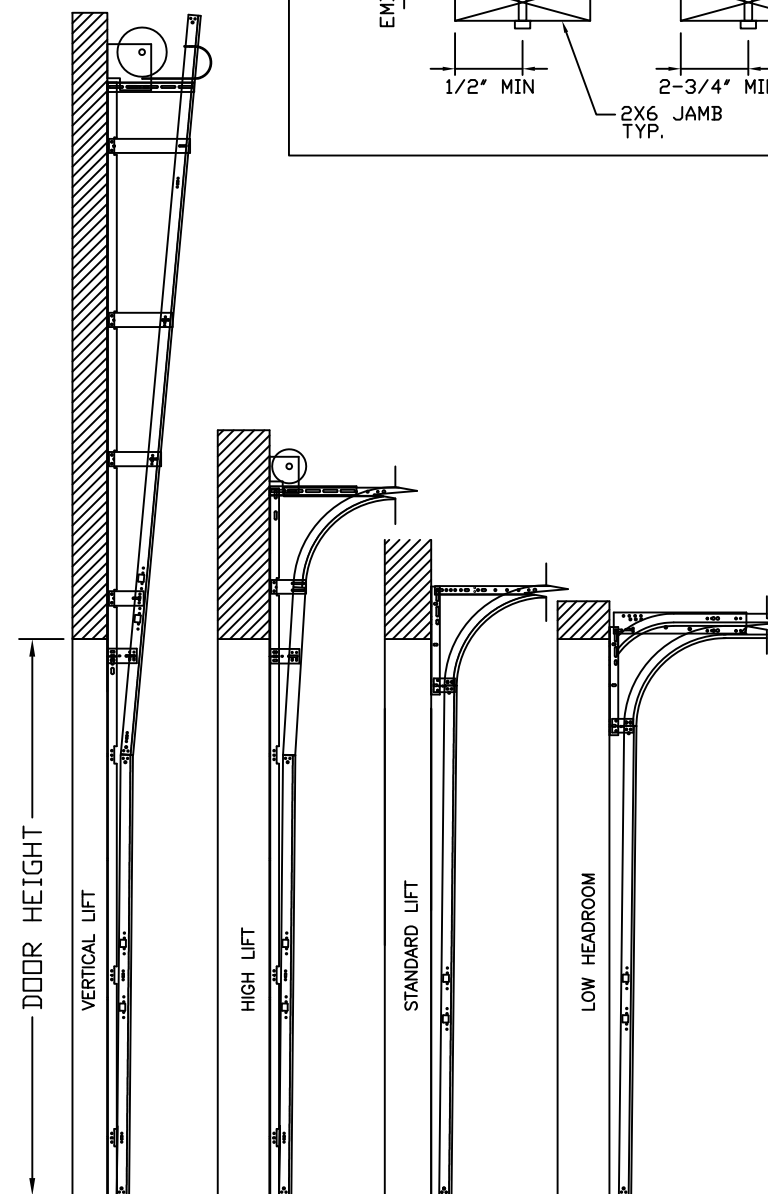
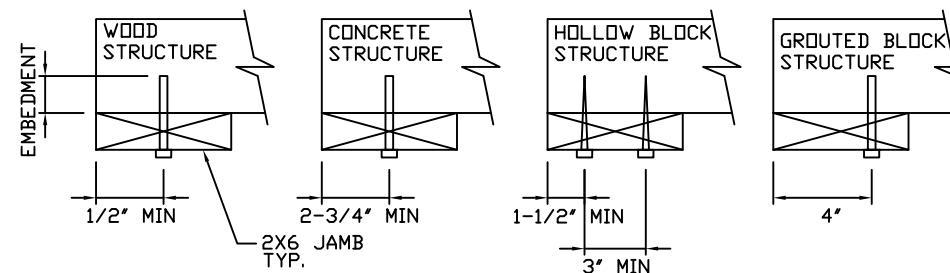
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3' LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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



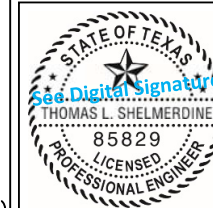
AVAILABLE TRACK CONFIGURATIONS
N.T.S.

| REV | DESCRIPTION OF REVISIONS | DATE | BY |
|-----|--------------------------------------|--------|-----|
| A | ADDED HERITAGE MODEL/DRAWING UPDATES | 3/1/22 | RLR |

MAX SIZE
18' x 14'

DESIGN LOADS
+21.6 PSF
-24.5 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+32.4 PSF
-36.8 PSF



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 Structural Solutions, PA (TX Firm #F-004063)
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MODEL #625 AMARR LINCOLN 1000, 2000
 MODEL #675 AMARR HILLCREST 1000, 2000
 MODEL #950 AMARR HERITAGE 1000, 2000

| SIZE | DRAWN BY | DLJ | DATE | 10/29/19 | DRAWING NUMBER |
|------|------------|-----|------|----------|-----------------|
| B | CHECKED BY | DRC | DATE | 10/31/19 | IRC-6218-120-15 |

AMARR COMPANY
 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 2 OF 3

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

| HEIGHT | TRACK ATTACHMENT | | | | | | | | SPLICE |
|--------|------------------|-----|-----|-----|-----|------|------|------|--------|
| | A | B | C | D | E | F | G | H | |
| 6' 0" | 10" | 18" | 36" | 54" | | | | | 64" |
| 6' 6" | 10" | 21" | 38" | 58" | | | | | 70" |
| 7' 0" | 10" | 21" | 42" | 63" | | | | | 76" |
| 7' 6" | 10" | 18" | 36" | 54" | 72" | | | | 82" |
| 8' 0" | 10" | 21" | 39" | 58" | 75" | | | | 88" |
| 8' 6" | 10" | 21" | 42" | 63" | 81" | | | | 94" |
| 9' 0" | 10" | 18" | 36" | 54" | 72" | 90" | | | 100" |
| 9' 6" | 10" | 21" | 39" | 57" | 75" | 93" | | | 106" |
| 10' 0" | 10" | 21" | 42" | 63" | 81" | 99" | | | 112" |
| 10' 6" | 10" | 21" | 42" | 63" | 84" | 105" | | | 118" |
| 11' 0" | 10" | 21" | 39" | 57" | 75" | 93" | 111" | | 124" |
| 11' 6" | 10" | 21" | 42" | 63" | 81" | 99" | 117" | | 130" |
| 12' 0" | 10" | 21" | 42" | 63" | 84" | 105" | 123" | | 136" |
| 12' 6" | 10" | 18" | 36" | 57" | 75" | 93" | 111" | 129" | 142" |
| 13' 0" | 10" | 21" | 42" | 63" | 81" | 99" | 117" | 135" | 148" |
| 13' 6" | 10" | 21" | 42" | 63" | 84" | 105" | 123" | 141" | 154" |
| 14' 0" | 10" | 21" | 42" | 63" | 84" | 105" | 126" | 147" | 160" |

ALL TRACK ATTACHMENT SPACING +/- 2" ALLOWED WITH SYP OR SPF 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) | 5th (in) | 6th (in) | 7th (in) | Positive (PSF) | Negative (PSF) |
| 16' 2" | Short | 26.91 | 50.27 | 73.64 | 97.00 | 120.36 | 143.73 | 167.09 | 24.0 | 27.3 |
| 16' 2" | Long | 28.25 | 51.17 | 74.08 | 97.00 | 119.92 | 142.83 | 165.75 | 24.0 | 27.3 |
| 16' 2" | Bead Board | 24.63 | 48.75 | 72.88 | 97.00 | 121.13 | 145.25 | 169.38 | 24.0 | 27.3 |
| 16' 4" | Short | 27.91 | 51.27 | 74.64 | 98.00 | 121.36 | 144.73 | 168.09 | 23.8 | 27.0 |
| 16' 4" | Long | 29.25 | 52.17 | 75.08 | 98.00 | 120.92 | 143.83 | 166.75 | 23.7 | 27.0 |
| 16' 4" | Bead Board | 24.63 | 49.08 | 73.54 | 98.00 | 122.46 | 146.92 | 171.38 | 23.8 | 27.0 |
| 16' 6" | Short | 28.91 | 52.27 | 75.64 | 99.00 | 122.36 | 145.73 | 169.09 | 23.6 | 26.7 |
| 16' 6" | Long | 27.51 | 51.34 | 75.17 | 99.00 | 122.83 | 146.66 | 170.49 | 23.6 | 26.7 |
| 16' 6" | Bead Board | 24.63 | 49.42 | 74.21 | 99.00 | 123.79 | 148.59 | 173.38 | 23.6 | 26.7 |
| 16' 8" | Short | 27.01 | 51.34 | 75.67 | 100.00 | 124.33 | 148.66 | 172.99 | 23.3 | 26.5 |
| 16' 8" | Long | 28.30 | 52.20 | 76.10 | 100.00 | 123.90 | 147.80 | 171.70 | 23.3 | 26.5 |
| 16' 8" | Bead Board | 24.88 | 49.92 | 74.96 | 100.00 | 125.04 | 150.09 | 175.13 | 23.3 | 26.5 |
| 16' 10" | Short | 26.75 | 51.50 | 76.25 | 101.00 | 125.75 | 150.50 | 175.25 | 23.1 | 26.2 |
| 16' 10" | Long | 29.30 | 53.20 | 77.10 | 101.00 | 124.90 | 148.80 | 172.70 | 23.1 | 26.2 |
| 16' 10" | Bead Board | 24.86 | 50.15 | 75.57 | 101.00 | 126.29 | 151.59 | 176.88 | 23.1 | 26.2 |
| 17' 0" | Short | 29.01 | 53.34 | 77.67 | 102.00 | 126.33 | 150.66 | 174.99 | 22.9 | 25.9 |
| 17' 0" | Long | 30.30 | 54.20 | 78.10 | 102.00 | 125.90 | 149.80 | 173.70 | 22.8 | 25.9 |
| 17' 0" | Bead Board | 25.38 | 50.92 | 76.46 | 102.00 | 127.54 | 153.09 | 178.63 | 22.9 | 25.9 |
| 17' 2" | Short | 28.00 | 53.00 | 78.00 | 103.00 | 128.00 | 153.00 | 178.00 | 22.6 | 25.7 |
| 17' 2" | Long | 31.30 | 55.20 | 79.10 | 103.00 | 126.90 | 150.80 | 174.70 | 22.4 | 25.5 |
| 17' 2" | Bead Board | 25.63 | 51.42 | 77.21 | 103.00 | 128.79 | 154.59 | 180.38 | 22.6 | 25.7 |
| 17' 4" | Short | 29.00 | 54.00 | 79.00 | 104.00 | 129.00 | 154.00 | 179.00 | 22.4 | 25.4 |
| 17' 4" | Long | 32.30 | 56.20 | 80.10 | 104.00 | 127.90 | 151.80 | 175.70 | 22.0 | 25.1 |
| 17' 4" | Bead Board | 25.88 | 51.92 | 77.96 | 104.00 | 130.04 | 156.09 | 182.13 | 22.4 | 25.4 |
| 17' 6" | Short | 30.00 | 55.00 | 80.00 | 105.00 | 130.00 | 155.00 | 180.00 | 22.2 | 25.2 |
| 17' 6" | Long | 33.30 | 57.20 | 81.10 | 105.00 | 128.90 | 152.80 | 176.70 | 21.6 | 24.6 |
| 17' 6" | Bead Board | 26.13 | 52.42 | 78.71 | 105.00 | 131.29 | 157.59 | 183.88 | 22.2 | 25.2 |
| 17' 8" | Short | 29.20 | 54.80 | 80.40 | 106.00 | 131.60 | 157.20 | 182.80 | 22.0 | 25.0 |
| 17' 8" | Long | 30.70 | 55.80 | 80.90 | 106.00 | 131.10 | 156.20 | 181.30 | 22.0 | 25.0 |
| 17' 8" | Bead Board | 26.38 | 52.92 | 79.46 | 106.00 | 132.54 | 159.09 | 185.63 | 22.0 | 25.0 |
| 17' 10" | Short | 30.20 | 55.80 | 81.40 | 107.00 | 132.60 | 158.20 | 183.80 | 21.8 | 24.7 |
| 17' 10" | Long | 30.88 | 56.25 | 81.63 | 107.00 | 132.38 | 157.75 | 183.13 | 21.8 | 24.7 |
| 17' 10" | Bead Board | 26.63 | 53.42 | 80.21 | 107.00 | 133.79 | 160.59 | 187.38 | 21.8 | 24.7 |
| 18' 0" | Short | 31.88 | 57.25 | 82.63 | 108.00 | 133.38 | 158.75 | 184.13 | 21.6 | 24.5 |
| 18' 0" | Long | 32.70 | 57.80 | 82.90 | 108.00 | 133.10 | 158.20 | 183.30 | 21.4 | 24.4 |
| 18' 0" | Bead Board | 26.88 | 53.92 | 80.96 | 108.00 | 135.04 | 162.09 | 189.13 | 21.6 | 24.5 |

TABLE 4

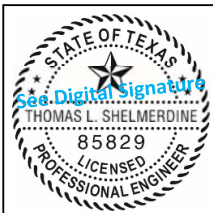
| SECTION | STRUT SIZE |
|---------|------------|
| 8TH | 3" |
| | 3" |
| 7TH | 3" |
| | 3" |
| 6TH | 3" |
| | 3" |
| 5TH | 3" |
| | 3" |
| 4TH | 3" |
| | 3" |
| 3RD | 3" |
| | 3" |
| 2ND | 3" |
| | 3" |
| BOTTOM | 3" |
| | 3" |

| REV | DESCRIPTION OF REVISIONS | DATE | BY |
|-----|--------------------------------------|--------|-----|
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AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 3 OF 3