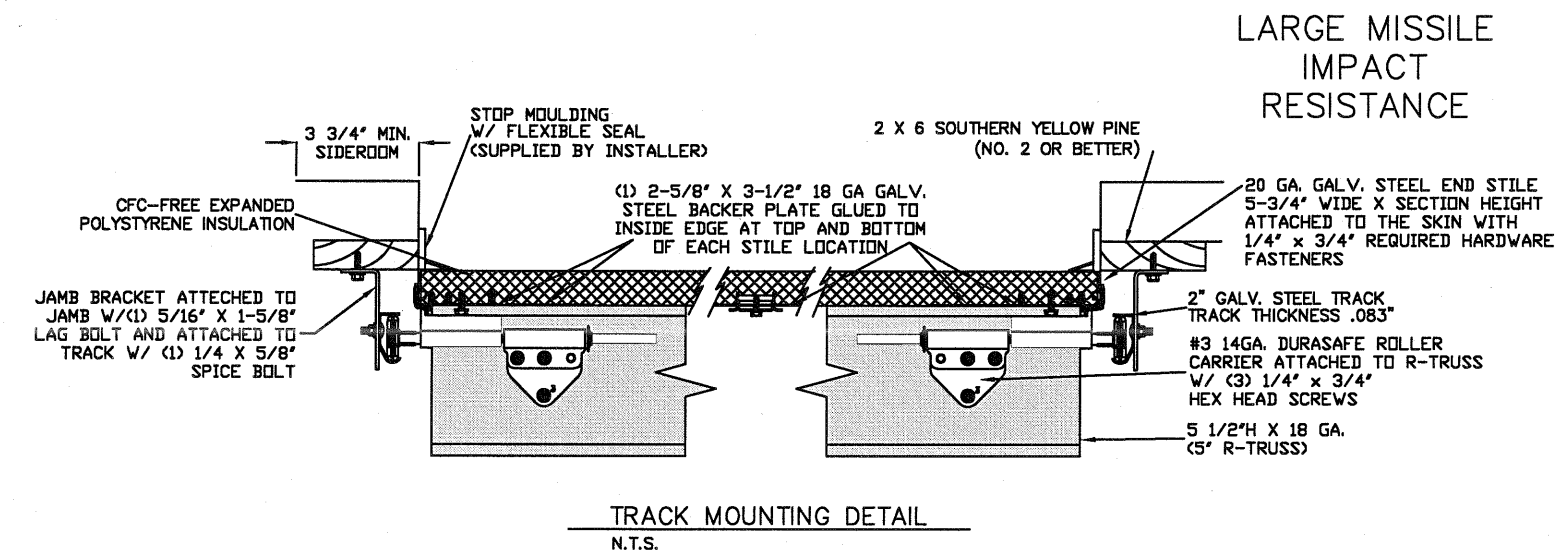
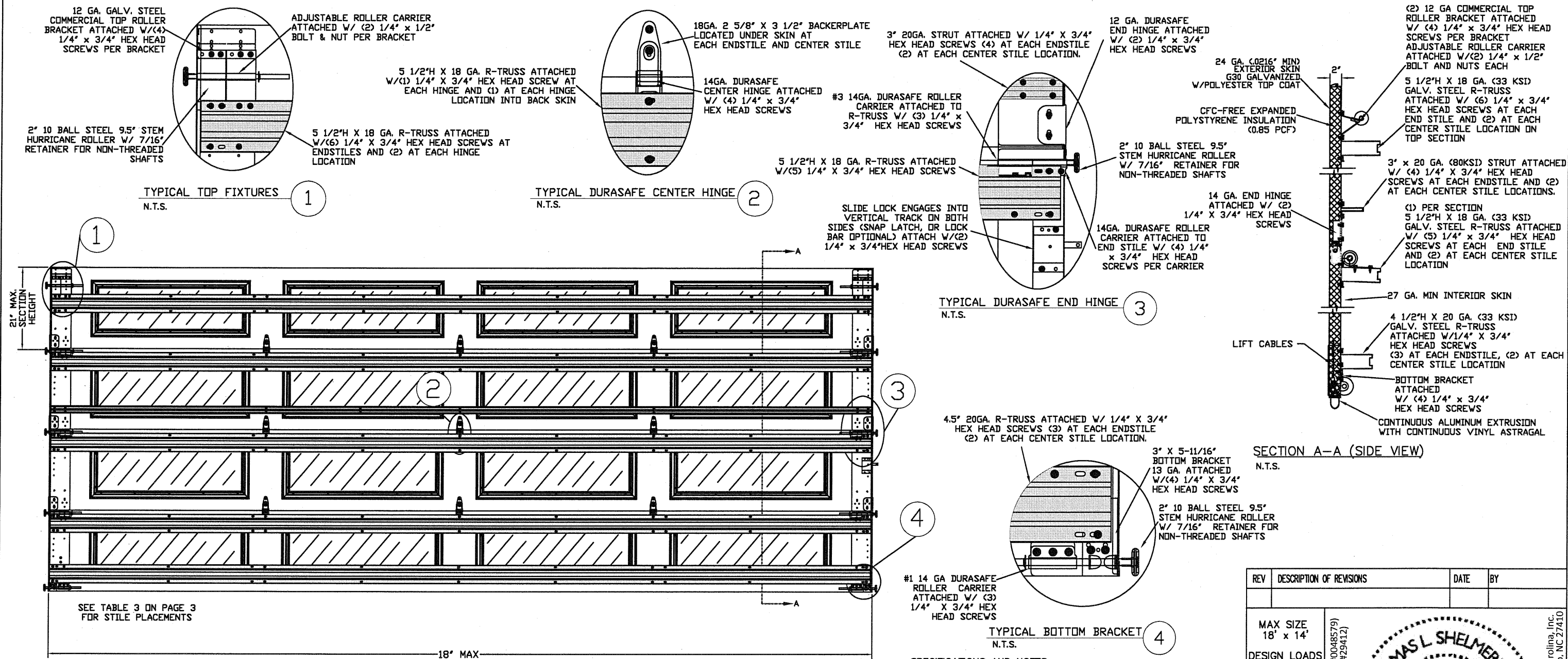




- SPECIFICATIONS AND NOTES**
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
  - EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +378.0 LBS/FT & -414.0 LBS/FT
  - DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
  - DOOR SECTIONS SHALL BE 24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
  - DOORS USE (1) 5.5" 18 GA R-TRUSS PER SECTION, (1) 3" 20 GA STRUT ON ALTERNATING SECTIONS STARTING WITH 3RD SECTION, AND (1) 4.5" 20 GA R-TRUSS ON THE BOTTOM 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/DASMA 108, & 115, AND TAS 201, 202, & 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) | 212 | 193 | 183 | 175 | 168 |
| 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                    | +42.0 PSF<br>-46.0 PSF   |      |    |
| TEST LOADS                      | +63.0 PSF<br>-69.0 PSF   |      |    |
| LARGE MISSILE IMPACT RESISTANCE |                          |      |    |

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

FL

**THOMAS L. SHELMERDINE**  
LICENSE  
No. 48579  
08/13/20  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

dba Structural Solutions of North Carolina, Inc.  
5921-G W. Friendly Ave., Greensboro, NC 27410

**Amarr**

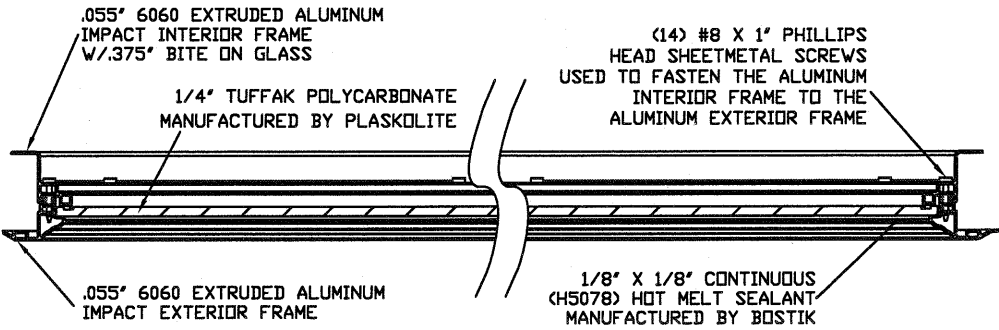
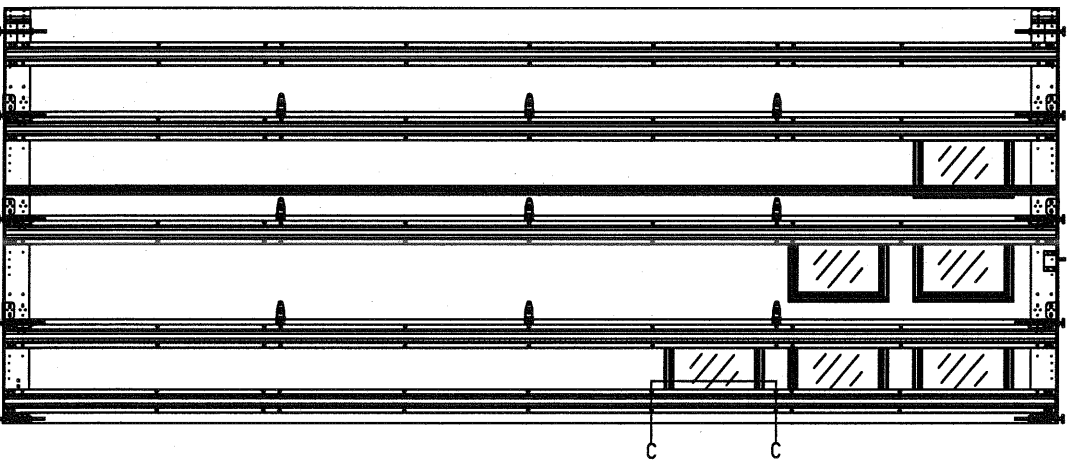
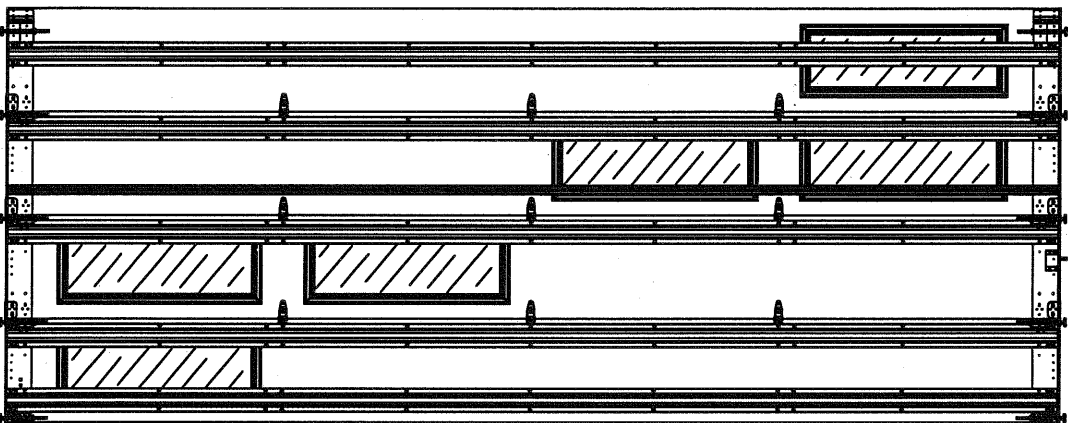
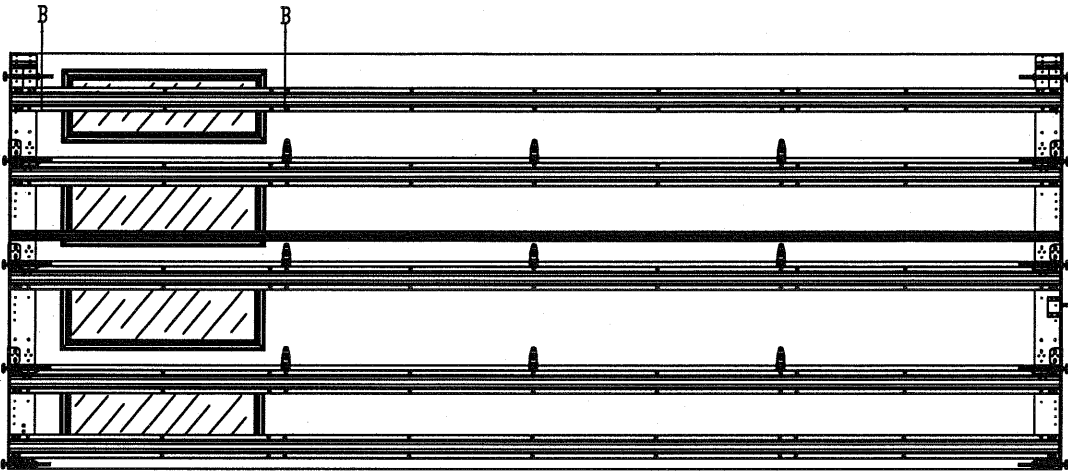
**MODEL #1200 HERITAGE 3000**  
**MODEL #1200 OAK SUMMIT 3000**  
**SHORT, LONG, FLUSH & OAK SUMMIT PANELS**

|      |            |     |      |         |                   |
|------|------------|-----|------|---------|-------------------|
| SIZE | DRAWN BY   | DRC | DATE | 5/7/19  | DRAWING NUMBER    |
| B    | CHECKED BY | RLR | DATE | 5/23/19 | IRC-1218-165-26-F |

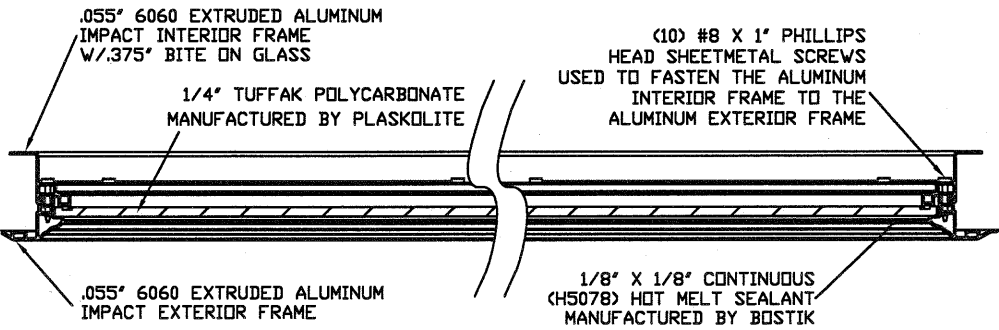
ENTREMATIC  
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 3

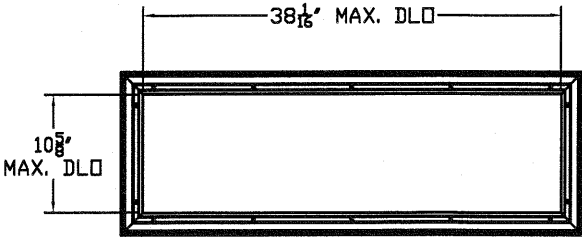
EXAMPLES OF OPTIONAL SHORT AND  
LONG PANEL GLAZING LAYOUTS  
GLAZING AVAILABLE IN ANY COMBINATION



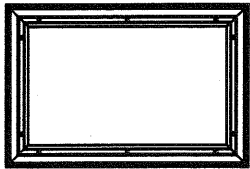
SECTION B-B IMPACT WINDOW DETAIL  
N.T.S.



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



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

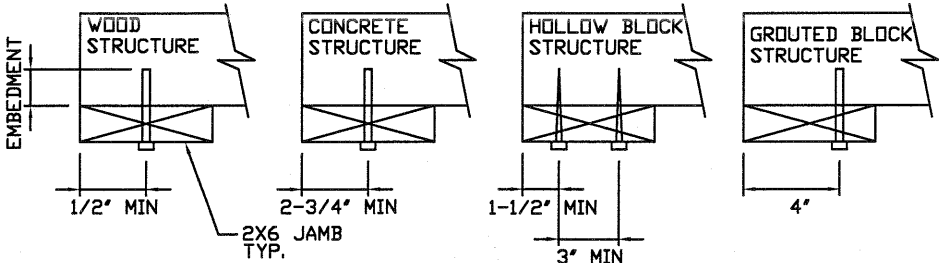


SHORT PANEL IMPACT GLAZING FASTENER DETAIL  
N.T.S.

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 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 22" 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



| REV | DESCRIPTION OF REVISIONS | DATE | BY |
|-----|--------------------------|------|----|
|     |                          |      |    |

MAX SIZE  
18' x 14'

DESIGN LOADS  
+42.0 PSF  
-46.0 PSF

TEST LOADS  
+63.0 PSF  
-69.0 PSF

LARGE MISSILE  
IMPACT  
RESISTANCE

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

FL

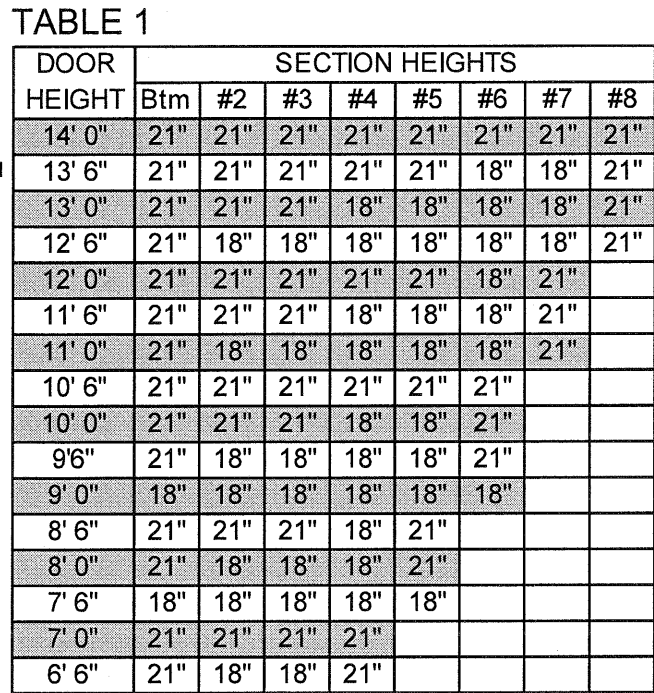
dba Structural Solutions of North Carolina, Inc.  
5921-G W. Friendly Ave., Greensboro, NC 27410

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

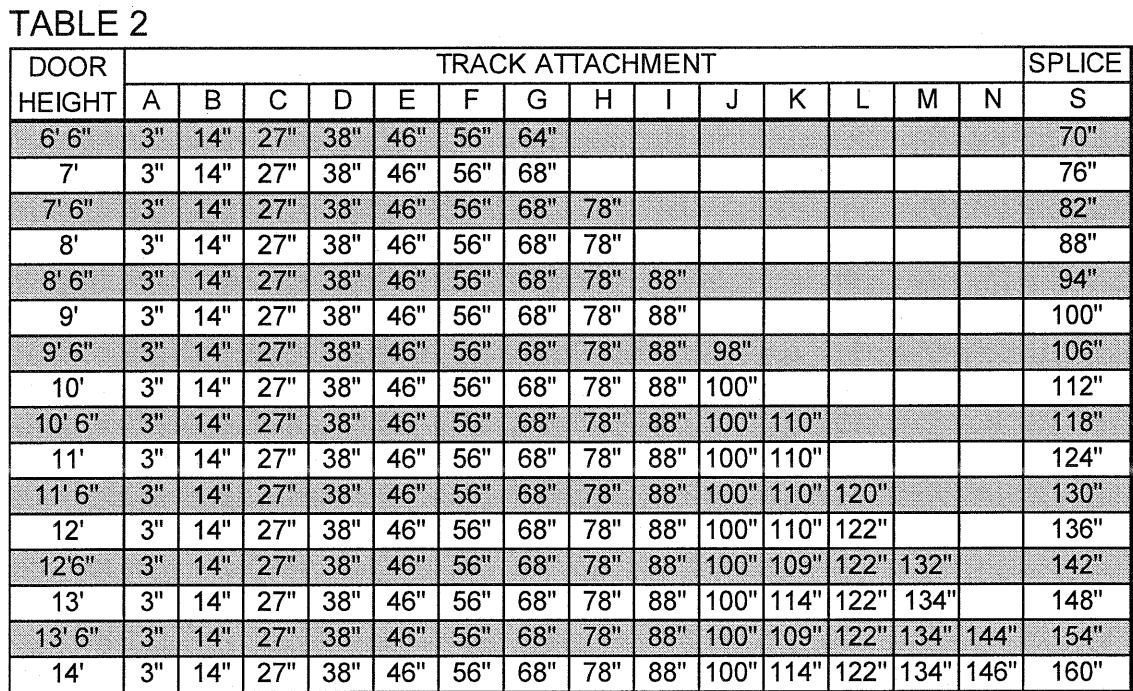
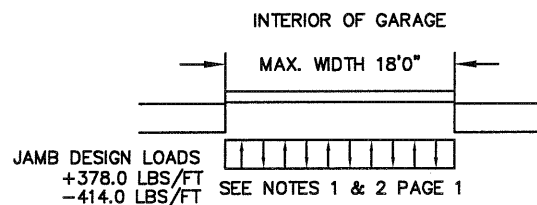
|           |                   |                 |                                     |
|-----------|-------------------|-----------------|-------------------------------------|
| SIZE<br>B | DRAWN BY<br>DRC   | DATE<br>5/7/19  | DRAWING NUMBER<br>IRC-1218-165-26-F |
|           | CHECKED BY<br>RLR | DATE<br>5/23/19 |                                     |

ENTREMATIC  
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 2 OF 3



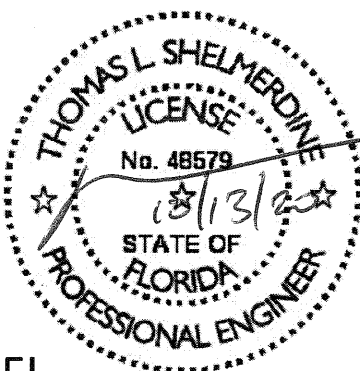
| Section       | Panel Type | Center Stile Locations<br>(Measured from Left Edge) |             |             | Max Design Loads<br>Allowed |                   |
|---------------|------------|-----------------------------------------------------|-------------|-------------|-----------------------------|-------------------|
| Width<br>(ft) |            | 1st<br>(in)                                         | 2st<br>(in) | 3rd<br>(in) | Positive<br>(PSF)           | Negative<br>(PSF) |
| 16' 2         | Short      | 50.272                                              | 97.000      | 143.728     | 46.5                        | 51.0              |
| 16' 2         | Long       | 51.168                                              | 97.000      | 142.834     | 46.5                        | 51.0              |
| 16' 4         | Short      | 51.272                                              | 98.000      | 144.728     | 46.1                        | 50.4              |
| 16' 4         | Long       | 52.168                                              | 98.000      | 143.834     | 46.1                        | 50.4              |
| 16' 6         | Short      | 52.272                                              | 99.000      | 145.728     | 45.6                        | 49.9              |
| 16' 6         | Long       | 51.340                                              | 99.000      | 146.660     | 45.6                        | 49.9              |
| 16' 8         | Short      | 51.340                                              | 100.000     | 148.660     | 45.1                        | 49.4              |
| 16' 8         | Long       | 52.200                                              | 100.000     | 147.800     | 44.9                        | 49.2              |
| 16' 10        | Short      | 51.500                                              | 101.000     | 150.500     | 44.7                        | 48.9              |
| 16' 10        | Long       | 53.200                                              | 101.000     | 148.800     | 44.6                        | 48.8              |
| 17' 0         | Short      | 53.340                                              | 102.000     | 150.660     | 44.0                        | 48.2              |
| 17' 0         | Long       | 54.200                                              | 102.000     | 149.800     | 44.2                        | 48.5              |
| 17' 2         | Short      | 53.000                                              | 103.000     | 153.000     | 43.8                        | 48.0              |
| 17' 2         | Long       | 55.200                                              | 103.000     | 150.800     | 43.8                        | 48.0              |
| 17' 4         | Short      | 54.000                                              | 104.000     | 154.000     | 43.4                        | 47.5              |
| 17' 4         | Long       | 56.200                                              | 104.000     | 151.800     | 43.4                        | 47.5              |
| 17' 6         | Short      | 55.000                                              | 105.000     | 155.000     | 42.8                        | 46.9              |
| 17' 6         | Long       | 57.200                                              | 105.000     | 152.800     | 43.0                        | 47.1              |
| 17' 8         | Short      | 54.800                                              | 106.000     | 157.200     | 42.2                        | 46.2              |
| 17' 8         | Long       | 55.800                                              | 106.000     | 156.200     | 42.5                        | 46.5              |
| 17' 10        | Short      | 55.800                                              | 107.000     | 158.200     | 41.9                        | 45.9              |
| 17' 10        | Long       | 56.250                                              | 107.000     | 157.750     | 42.1                        | 46.1              |
| 18' 0         | Short      | 57.250                                              | 108.000     | 158.750     | 42.0                        | 46.0              |
| 18' 0         | Long       | 57.800                                              | 108.000     | 158.200     | 42.0                        | 46.0              |



AVAILABLE TRACK CONFIGURATIONS  
N.T.S.

ALL TRACK ATTACHMENT SPACING  $\pm 2"$  ALLOWED WITH SYP NO. 2 OR BETTER ONLY

| REV | DESCRIPTION OF REVISIONS | DATE | BY |
|-----|--------------------------|------|----|
|     |                          |      |    |

|                                        |                                                                                                   |                                                                                       |                                                                                                     |
|----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| MAX SIZE<br>18' x 14'                  | Thomas L. Shelmerdine, PE (FL PE #0048579)<br>Structural Solutions, PA (FL Firm #29412)<br><br>FL |  | dba Structural Solutions of North Carolina, Inc.<br>9521-G W. Friendly Ave.<br>Greensboro, NC 27410 |
| DESIGN LOADS<br>+42.0 PSF<br>-46.0 PSF |                                                                                                   |                                                                                       |                                                                                                     |
| TEST LOADS<br>+63.0 PSF<br>-69.0 PSF   |                                                                                                   |                                                                                       |                                                                                                     |
| LARGE MISSILE<br>IMPACT<br>RESISTANCE  |                                                                                                   |                                                                                       |                                                                                                     |

*Amarr*

|                                                                                                   |            |     |              |                                    |
|---------------------------------------------------------------------------------------------------|------------|-----|--------------|------------------------------------|
| MODEL #1200 HERITAGE 3000<br>MODEL #1200 OAK SUMMIT 3000<br>SHORT, LONG, FLUSH & OAK SUMMIT PANEL |            |     |              |                                    |
| SIZE<br>B                                                                                         | DRAWN BY   | DRC | DATE 5/7/19  | DRAWING NUMBER<br>IRC-1218-165-26- |
|                                                                                                   | CHECKED BY | RLR | DATE 5/23/19 |                                    |
| ENTREMATIC<br>165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105                                        |            |     |              | SHEET 3 OF 3                       |