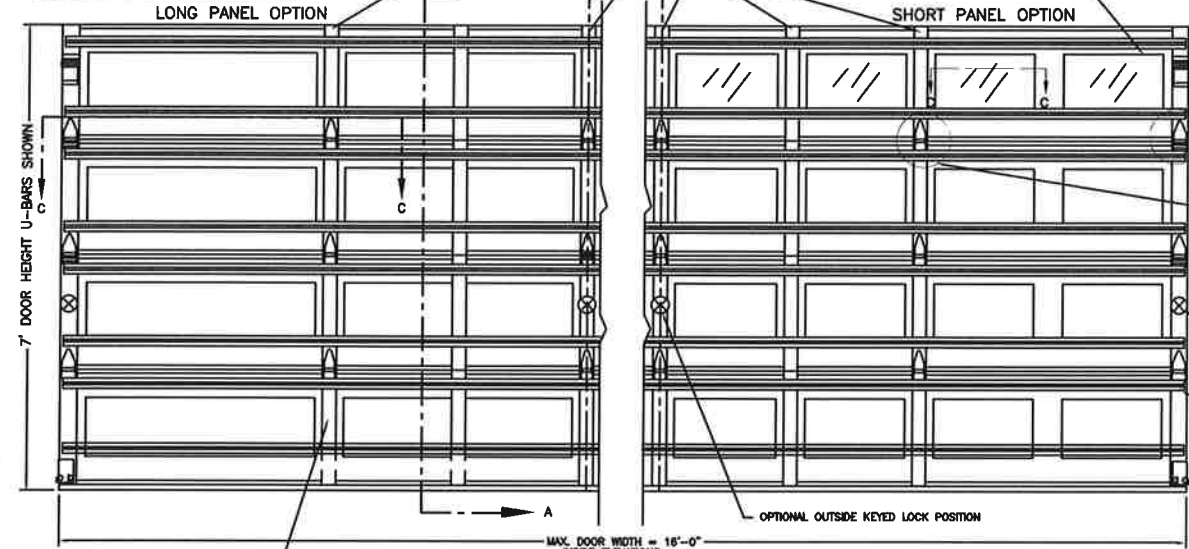


| MODELS   |  | INSULATED  |
|----------|--|--|
| STANDARD |  |  |
| CLOPAY   | G4S, GS4, G4L, GL4, GD4S, GD4L, GR4S, GR4L | G4SV, GS4V, G4LV, GL4V, GD4SV, GD4LV, GR4SV, GR4LV |
| IDEAL    | E4S, E4L, ED4S, ED4L, MR4S, MR4L           | E4SV, E4LV, ED4SV, ED4LV, MR4SV, MR4LV             |
| HOLMES   | SS4, SL4, AR4S, AR4L                       | SS4V, SL4V, AR4SV, AR4LV                           |

DOOR AVAILABLE IN SHORT OR LONG EMBOSS. DOOR MAY CONSIST OF A MIXTURE OF LONG AND SHORT PANEL SECTIONS.



FOR MODELS G4L, GD4L, G4LV, GD4LV, E4L, ED4L, E4LV, ED4LV, MR4L, MR4LV, GL4, GR4L, GL4V, GR4LV, SL4, AR4L, SL4V, AR4LV ONLY (LONG EMBOSS DOORS):  
 ADDITIONAL 18 GA. COMMERCIAL INTERM. STILES REQUIRED FROM 11'6\"/>

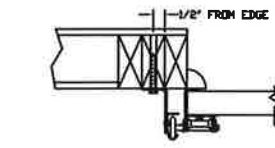
| DOOR WIDTH      | # OF HINGES | # OF STD. INTERM. STILES | # OF COMM. INTERM. STILES |
|-----------------|-------------|--------------------------|---------------------------|
| 9'2" TO 10'0"   | 1           | 1                        | 0                         |
| 10'2" TO 11'4"  | N/A         | N/A                      | N/A                       |
| 11'6" TO 13'10" | 2           | 2                        | 1                         |
| 14'0" TO 16'0"  | 3           | 3                        | 2                         |

| DOOR WIDTH      | # OF HINGES | # OF STD. INTERM. STILES |
|-----------------|-------------|--------------------------|
| 9'2" TO 10'0"   | 1           | 1                        |
| 10'2" TO 11'4"  | N/A         | N/A                      |
| 11'6" TO 13'10" | 2           | 3                        |
| 14'0" TO 16'0"  | 3           | 5                        |

EQUIVALENT SECTION CONSTRUCTION: FOR ANY OF THE MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING).  
**W3, W4, W5.**  
 ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.

- IN THE CASE OF GYPSUM WALLBOARD LOCATED AT OR NEAR THE DOOR OPENING LOCATION THERE ARE TWO ACCEPTABLE ALTERNATIVES:
- THE WALLBOARD CAN BE CUT AWAY FROM THE DOOR OPENING AND 2X6 SOUTHERN YELLOW PINE WOOD JAMBS MOUNTED DIRECTLY TO THE SUPPORTING STRUCTURE TO CREATE THE MOUNTING SURFACE. ALTERNATIVELY, THE BRACKETS MAY BE ATTACHED DIRECTLY TO THE SUPPORTING STRUCTURE. SEE DETAIL BELOW. THE CENTER OF SCREW HOLE MUST BE AT LEAST 1/2" FROM BOTH EDGES FOR A 5/16" LAG SCREW.
  - IF THE WALLBOARD IS NOT CUT AWAY TO EXPOSE THE UNDERLYING STRUCTURE (WOOD FRAMING MEMBERS), A 2X6 SOUTHERN YELLOW PINE WOOD BUCK OVER SHALL BE INSTALLED THE WALLBOARD FRAMING THE OPENING USING THE JAMB ATTACHMENT FASTENERS LISTED BELOW. HOWEVER, THE JAMB ATTACHMENT FASTENERS MUST BE OF A SUFFICIENT INCREASED LENGTH TO ACCOUNT FOR THE THICKNESS OF THE WALLBOARD TO ENSURE PROPER FASTENER EMBEDMENT INTO THE STRUCTURAL FRAMING MEMBERS OF THE SUPPORTING STRUCTURE.



PREPARATION OF JAMBS BY OTHERS:

**VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):**  
 3/8"x3" LAG SCREWS ON 15" CENTERS, 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

**VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):**  
 3/8"x3" SLEEVE ANCHOR BOLTS ON 22" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.  
 OR  
 1/4"x3" TAPCON SCREWS ON 14" CENTERS (2,000 PSI MIN. CONCRETE) OR 17" CENTERS (C-90 BLOCK), 1" O.D. WASHERS REQUIRED WITH TAPCONS.  
 ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

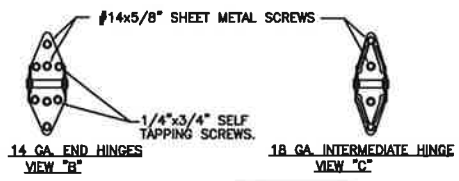
OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

| DOOR HEIGHT<br>FT. IN. | SECTION NUMBER |   |   |   |   |   |
|------------------------|----------------|---|---|---|---|---|
|                        | 1              | 2 | 3 | 4 | 5 | 6 |
| 6' 0"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 6' 3"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 6' 6"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 6' 9"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 7' 0"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 7' 3"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 7' 6"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 7' 9"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 8' 0"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 8' 3"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 8' 6"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 8' 9"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 9' 0"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 9' 3"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 9' 6"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 9' 9"                  | 3              | 3 | 3 | 3 | 3 | 3 |
| 10' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 10' 3"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 10' 6"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 10' 9"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 11' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 11' 3"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 11' 6"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 11' 9"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 12' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 12' 3"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 12' 6"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 12' 9"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 13' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 13' 3"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 13' 6"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 13' 9"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 14' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 14' 3"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 14' 6"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 14' 9"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 15' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 15' 3"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 15' 6"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 15' 9"                 | 3              | 3 | 3 | 3 | 3 | 3 |
| 16' 0"                 | 3              | 3 | 3 | 3 | 3 | 3 |

ORIGINAL DRAWINGS ARE SIGNED IN BLUE INK WITH A RAISED SEAL (ENBSS).

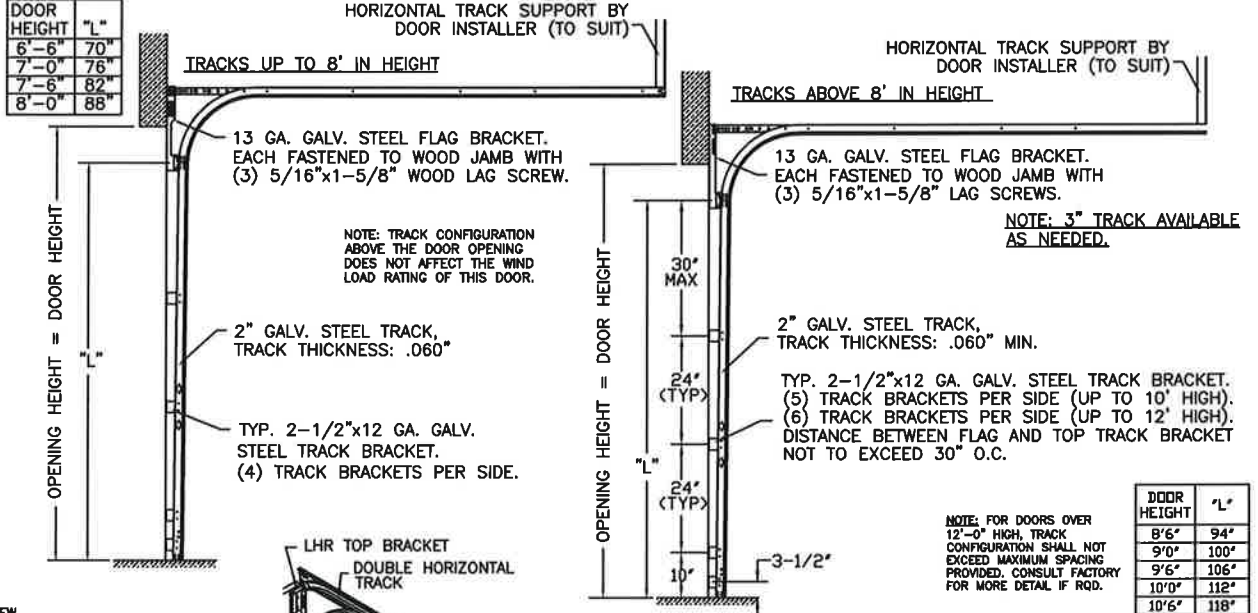
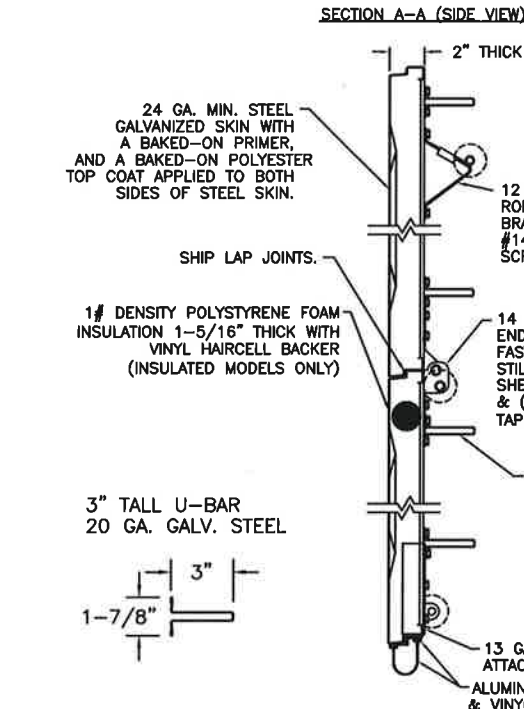
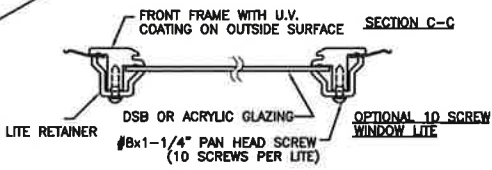
DESIGN ENGINEER: MARK WESTERFIELD, P.E.  
 FLORIDA P.E. #40495,  
 NC P.E. #23832,  
 TEXAS P.E. #91513

THIS PRODUCT COMPLIES WITH THE 2018 IBC/IRC.

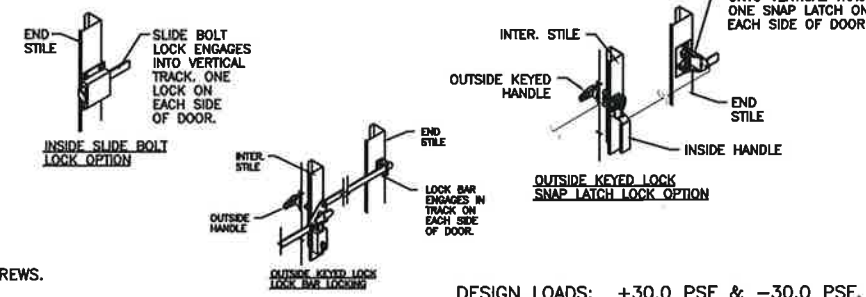
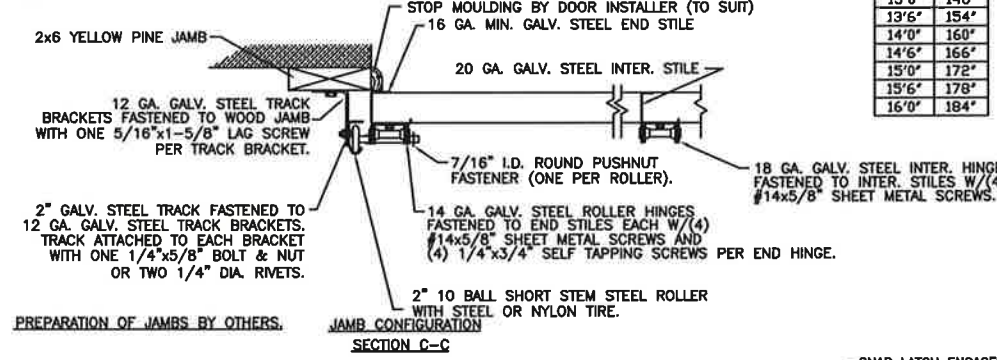
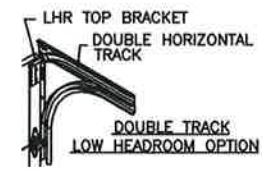


THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC)

SECTIONS WITH ONE U-BAR POSITION AT TOP OF SECTION AS SHOWN OVER HINGES.  
 SECTIONS WITH TWO U-BARS: POSITION ONE AT TOP AND ONE AT BOTTOM OF SECTION ABOVE HINGE OR ABOVE BOTTOM BRACKET AS SHOWN.  
 SECTIONS WITH THREE U-BARS: POSITION FIRST TWO AS ABOVE; POSITION THIRD U-BAR IN MIDDLE OF SECTION.  
 (SEE HEIGHT CHART FOR U-BAR ARRANGEMENT)



|       |      |
|-------|------|
| 8'6"  | 94"  |
| 9'0"  | 100" |
| 9'6"  | 106" |
| 10'0" | 112" |
| 10'6" | 118" |
| 11'0" | 124" |
| 11'6" | 130" |
| 12'0" | 136" |
| 12'6" | 142" |
| 13'0" | 148" |
| 13'6" | 154" |
| 14'0" | 160" |
| 14'6" | 166" |
| 15'0" | 172" |
| 15'6" | 178" |
| 16'0" | 184" |



DESIGN LOADS: +30.0 PSF & -30.0 PSF.  
 TEST LOADS: +45.0 PSF & -45.0 PSF.

**Clopay CORPORATION**

CLOPAY CORPORATION  
 8585 DUKE BLVD.  
 MASON, OH 45040  
 (513) 770-4800

Clopay Corporation All Rights Reserved.  
 The arrangements depicted herein are the sole property of the Clopay Corporation and may not be reproduced in any form without it's written permission.

MANUFACTURING PRODUCT CODE  
 SHORT PANEL: PAN-2F443  
 LONG PANEL: PAN-2F441

DATE: 6/01/05  
 DRAWN BY: RJK

WINDLOAD RATING  
**W5**

MAX. DOOR SIZE:  
 16'0"W x 16'0"H

DESCRIPTION:  
 G4S, G4SV, G4L, G4LV; 16'W +30/-30 PSF

DRAWING NUMBER:  
**B** 103471