

| 'CLASSIC' RAISED PANEL EMBOSS DOORS |             |           |            |           |       |           |         |           |
|-------------------------------------|-------------|-----------|------------|-----------|-------|-----------|---------|-----------|
| MODELS                              | 24 GA       | 24 GA INS | 25 GA      | 25 GA INS | 24 GA | 24 GA INS | 25 GA   | 25 GA INS |
| CLOPAY                              | 84A, 94, 4F | 94V       | 73, 75     | 1500, 190 | 96    | 96V       | 75L, 76 | 76V       |
| IDEAL                               | --          | --        | --         | --        | --    | --        | --      | --        |
| HOLMES                              | 48B         | --        | 42B        | 55S       | --    | --        | --      | --        |
| SHORT PANEL                         |             |           | LONG PANEL |           |       |           |         |           |

\* - MODEL 4F IS FLUSH

| 'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS |               |                 |            |              |
|--------------------------------------------|---------------|-----------------|------------|--------------|
| MODELS                                     | 25 GA         | 25 GA INS       | 25 GA      | 25 GA INS    |
| CLOPAY<br>'GALLERY'                        | GD5S,<br>GR5S | GD5SV,<br>GR5SV | GD5L, GR5L | GD5LV, GR5LV |
| HOLMES<br>'ARTISTRY'                       | AR5S          | AR5SV           | AR5L       | AR5LV        |
| IDEAL<br>'CARRIAGE HOUSE'                  | ED5S          | ED5SV           | ED5L       | ED5LV        |
| SHORT PANEL                                |               | LONG PANEL      |            |              |

| 'CLASSIC' RAISED PANEL EMBOSS DOORS |                     |                                                            |                     |
|-------------------------------------|---------------------|------------------------------------------------------------|---------------------|
| SHORT PANEL                         |                     | LONG PANEL                                                 |                     |
| DOOR WIDTH                          | # OF INTERM. STILES | DOOR WIDTH                                                 | # OF INTERM. STILES |
| 9'2" TO 9'10"                       | 1                   | 9'2" TO 11'2"                                              | 1                   |
| 10'0" TO 11'10"                     | 2                   | 11'4" TO 14'10"                                            | 3                   |
| 12'0" TO 13'10"                     | 3                   | 15'0" TO 16'0"                                             | 5                   |
| 14'0" TO 15'10"                     | 4                   | SEE NOTE BELOW REGARDING EXTRA STILES ON LONG PANEL DOORS. |                     |
| 16'0"                               | 5                   |                                                            |                     |

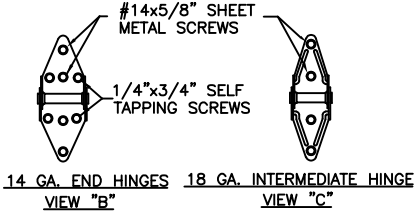
| 'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS |                     |
|--------------------------------------------|---------------------|
| SHORT PANEL                                |                     |
| DOOR WIDTH                                 | # OF INTERM. STILES |
| 9'2" TO 10'0"                              | 1                   |
| 10'2" TO 11'4"                             | N/A                 |
| 11'6" TO 13'10"                            | 3                   |
| 14'0" TO 16'0"                             | 5                   |

SHEET 1 OF 2

| REV | DATE     | DESCRIPTION                                                |
|-----|----------|------------------------------------------------------------|
| 00  | 4/2012   | REVISED LOADS PER NEW TESTING. SEE 101593 FOR PRIOR LOADS. |
| 01  | 8/4/20   | UPDATED TITLE BLOCK AND REMOVED WIND CHART.                |
| 02  | 2/23/24  | ADDED M/N 96, 96V.                                         |
| 03  | 08/06/26 | UPDATED MODEL TABLE.                                       |

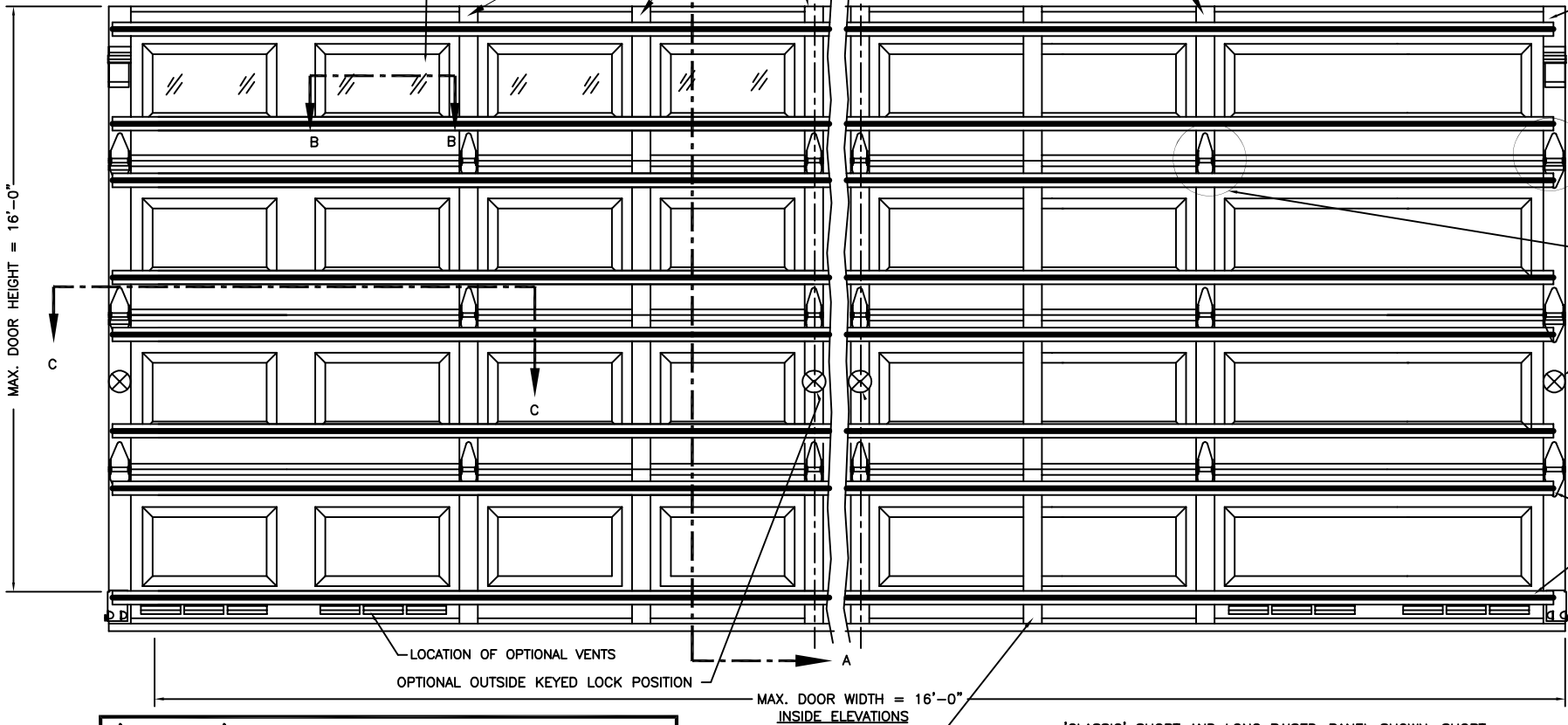
OPTIONAL GLAZING MAY BE STANDARD OR IMPACT RESISTANT GLAZING. SEE SECTION B-B FOR DETAILS.  
MAX. STANDARD SIZE IS 19-1/2"x16".  
IMPACT RESISTANT GLAZING IS 21-5/8"x14-1/8".

(5) INTERMEDIATE STILES FOR 16' WIDE DOOR. ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER). SEE NOTE BELOW FOR LONG PANEL DOORS.



SHORT PANEL OPTION

LONG PANEL OPTION



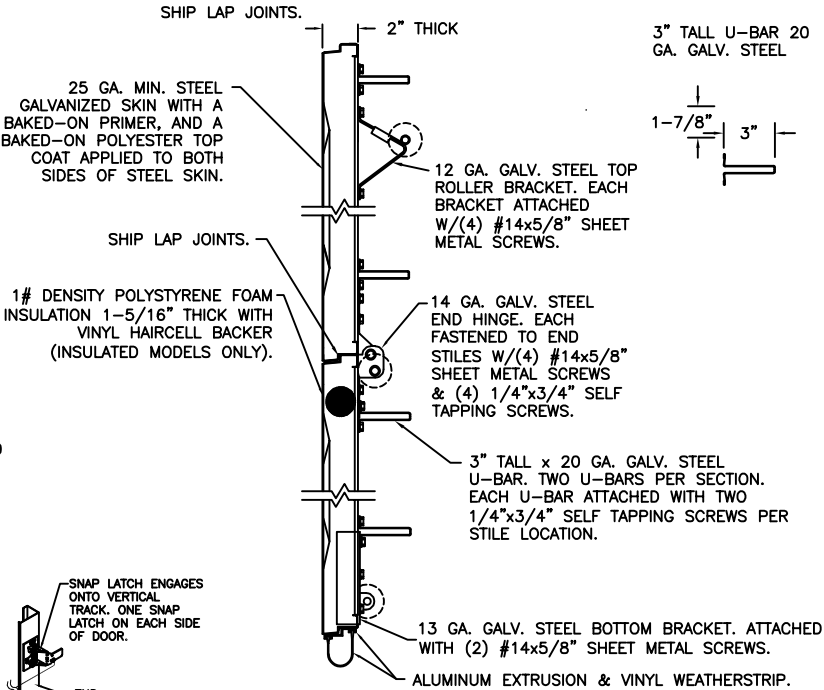
20 GA. MIN. END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).

VIEW "B"

VIEW "C"

LOCK POSITION (BOTH SIDES) TWO POINT LOCKING.

TWO 3" TALL x 20 GA. U-BARS PER DOOR SECTION.

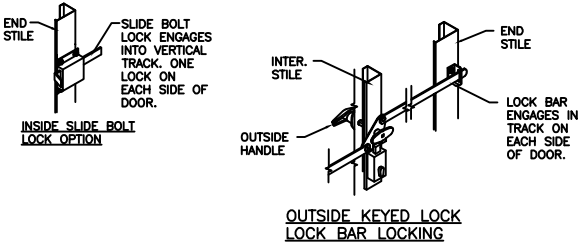


SECTION A-A (SIDE VIEW)

'CLASSIC' RAISED PANEL EMBOSS: EXTRA STILES FOR LONG-PANEL MODELS. LONG-PANEL DOORS FROM 11'4" WIDE TO 16'0" WIDE REQUIRE 18 GA. COMMERCIAL CENTER STILES. (SHORT-PANEL MODELS HAVE FACTORY-INSTALLED EXTRA STILES ATTACHED AS NOTED ABOVE.) ONE COMMERCIAL CENTER STILE PER SECTION 11'4" TO 14'10"W. TWO COMMERCIAL CENTER STILES PER SECTION 15'0" TO 16'0"W. THESE COMMERCIAL CENTER STILES ARE ATTACHED MIDPOINT BETWEEN THE EXISTING RESIDENTIAL CENTER STILES. COMMERCIAL CENTER STILES ARE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) OR (4) 3/16" POP RIVETS OR (4) #8 SHEET METAL SCREWS.

'CLASSIC' SHORT AND LONG RAISED-PANEL SHOWN. SHORT 'CARRIAGE HOUSE' ARE ALSO APPROVED.

| DOOR HEIGHT             | # OF SECTIONS |
|-------------------------|---------------|
| UP TO 7'0"              | 4             |
| 7'3" TO 8'9"            | 5             |
| 9'0" TO 10'6"           | 6             |
| 10'9" TO 12'3"          | 7             |
| 12'6" TO 14'0"          | 8             |
| 14'3" TO 15'9"          | 9             |
| 16'0"                   | 10            |
| MAX SECTION HEIGHT: 21' |               |



SEE SHEET TWO FOR IMPACT RESISTANT CONSTRUCTION DETAIL "A" AND STANDARD CONSTRUCT DETAIL "B"; TRACK AND JAMB DETAILS.

DESIGN ENGINEER:  
JAMES D. WHEELER  
FLORIDA P.E. #01932

**Clopay**  
CORPORATION

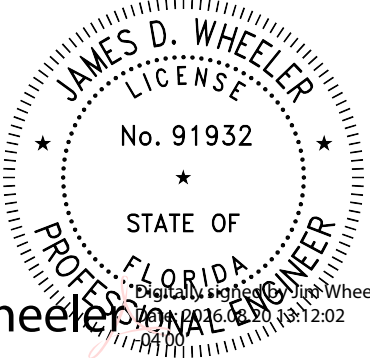
8585 DUKE BLVD.  
MASON, OH 45040  
(513) 770-4800

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|                            |         |
|----------------------------|---------|
| MANUFACTURING PRODUCT CODE |         |
| PAN-2F151                  |         |
| DATE:                      | 4/23/12 |
| DRAWN BY:                  | SH      |

|                                        |                 |                 |      |
|----------------------------------------|-----------------|-----------------|------|
| WINDLOAD RATING                        |                 | MAX. DOOR SIZE: |      |
| W5                                     |                 | 16'0"W x 16'0"H |      |
| DESCRIPTION:                           |                 |                 |      |
| MODEL 73/75/84A/94; 16'W +28/-30.5 PSF |                 |                 |      |
| B                                      | DRAWING NUMBER: |                 | VER: |
|                                        | 104698 - A/B    |                 | IBC  |

DESIGN LOADS: +28.0 PSF & -30.5 PSF.  
TEST LOADS: +42.0 PSF & -46.0 PSF.



Jim Wheeler  
Digital Signature of Jim Wheeler  
Date: 2016.08.20 13:12:02  
04/00

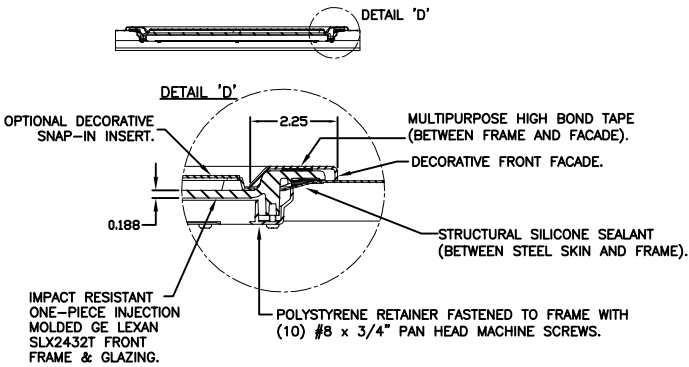
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|-------------------------------------|-------------|-----------|--------|-----------|------------|-----------|---------|-----------|
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| CLOPAY                              | 84A, 94, 4F | 94V       | 73, 75 | 1500, 190 | 96         | 96V       | 75L, 76 | 76V       |
| IDEAL                               | ---         | ---       | ---    | ---       | ---        | ---       | ---     | ---       |
| HOLMES                              | 48B         | ---       | 42B    | 55S       | ---        | ---       | ---     | ---       |
| SHORT PANEL                         |             |           |        |           | LONG PANEL |           |         |           |

\* - MODEL 4F IS FLUSH

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|--------------------------------------------|---------------|-----------------|------------|--------------|
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| HOLMES<br>'ARTISTRY'                       | AR5S          | AR5SV           | AR5L       | AR5LV        |
| IDEAL<br>'CARRIAGE HOUSE'                  | ED5S          | ED5SV           | ED5L       | ED5LV        |
| SHORT PANEL                                |               | LONG PANEL      |            |              |

IMPACT RESISTANT ASSEMBLY DETAILS  
DRAWING 104698-A

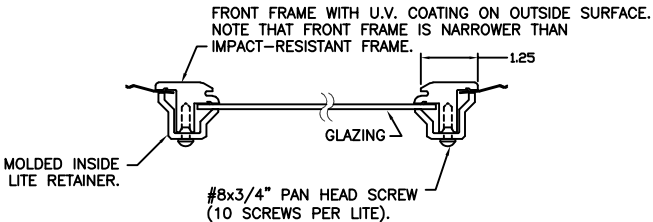
SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



**IMPACT-RESISTANT CONSTRUCTION:**  
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606.  
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND MEETS THE IMPACT-RESISTANT REQUIREMENTS (REF. CHAPTER 16 FBC/IBC).

STANDARD ASSEMBLY DETAILS  
DRAWING 104698-B

SECTION B-B (NON-IMPACT RESISTANT GLAZING OPTION)



**STANDARD ASSEMBLY CONSTRUCTION:**  
OPTIONAL DSB OR 1/8" ACRYLIC LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606.  
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION 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).

SHEET 2 OF 2

| REV | DATE | DESCRIPTION                        |
|-----|------|------------------------------------|
| 02  | --   | SEE REVISION HISTORY ON SHEET ONE. |

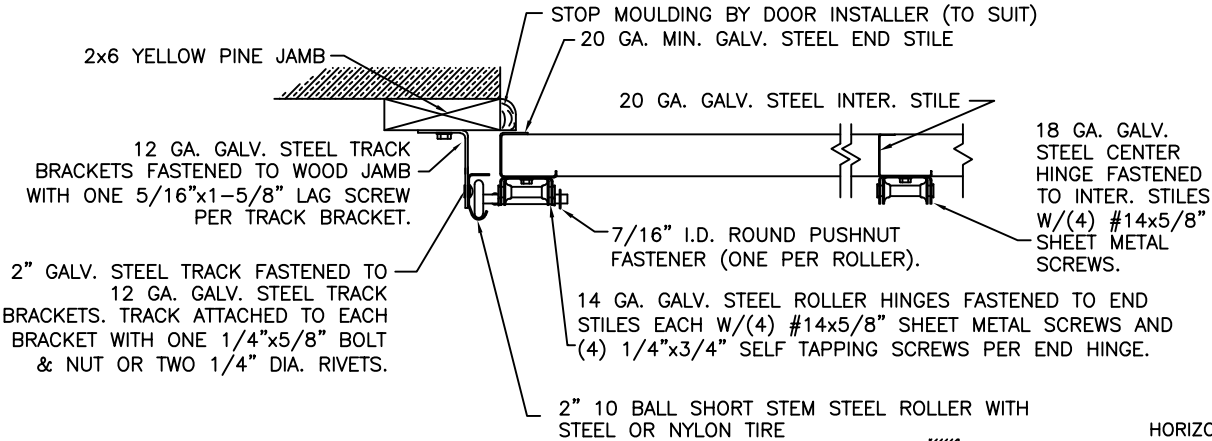
VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):  
3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):  
3/8"x3" SLEEVE ANCHOR BOLTS ON 17" 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 8" 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.

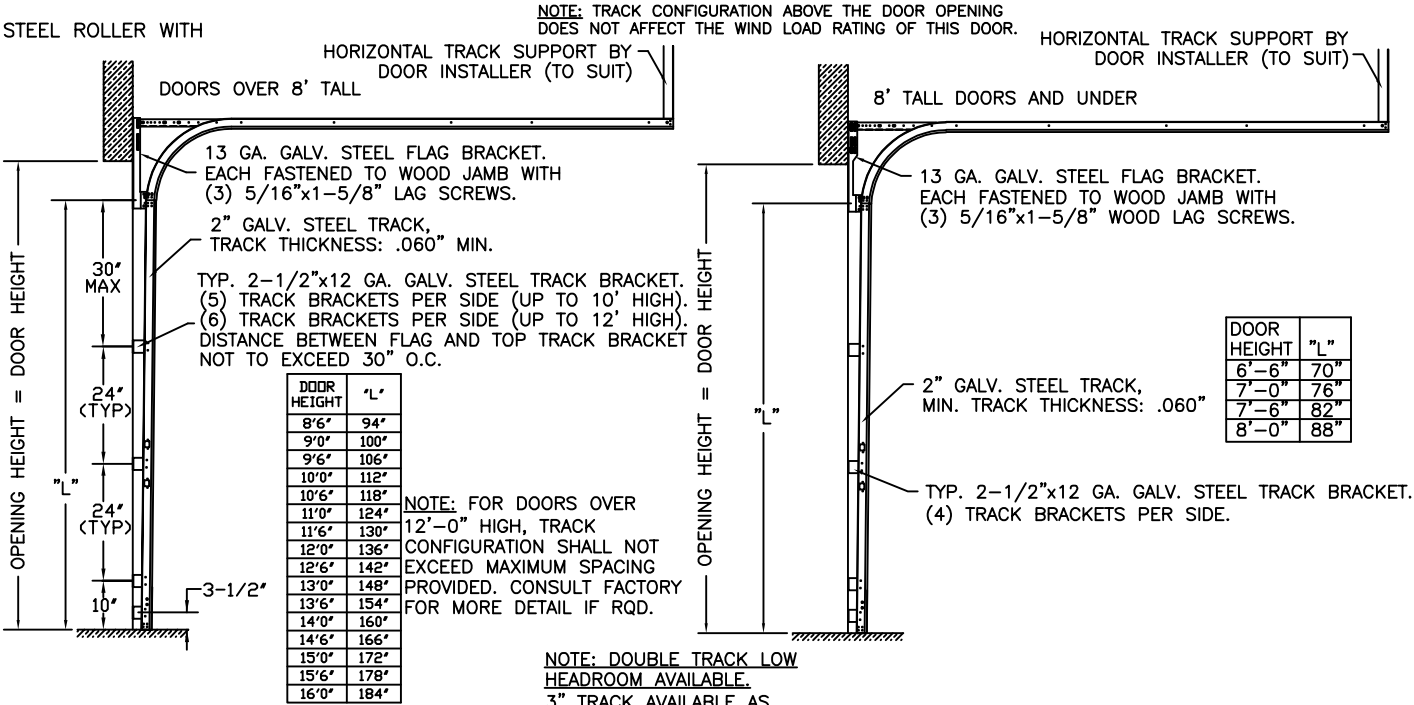
OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION  
SECTION C-C



**NOTE:** THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THE DRAWING.



| DOOR HEIGHT | "L" |
|-------------|-----|
| 6'-6"       | 70" |
| 7'-0"       | 76" |
| 7'-6"       | 82" |
| 8'-0"       | 88" |

DESIGN LOADS: +28.0 PSF & -30.5 PSF.  
TEST LOADS: +42.0 PSF & -46.0 PSF.

|                                                                                                                                                              |                                         |                                                        |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------|------------------------------------|
| <br>CORPORATION<br>8585 DUKE BLVD.<br>MASON, OH 45040<br>(513) 770-4800 | MANUFACTURING PRODUCT CODE<br>PAN-2F151 | WINDLOAD RATING<br>W5                                  | MAX. DOOR SIZE:<br>16'0"W x 16'0"H |
|                                                                                                                                                              | DATE:<br>4/23/12                        | DESCRIPTION:<br>MODEL 73/75/84A/94; 16'W +28/-30.5 PSF |                                    |
|                                                                                                                                                              | DRAWN BY:<br>SH                         | B<br>DRAWING NUMBER:<br>104698 - A/B                   | VER:<br>IBC                        |
|                                                                                                                                                              | Clopay Corporation All Rights Reserved. |                                                        |                                    |

DESIGN ENGINEER:  
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