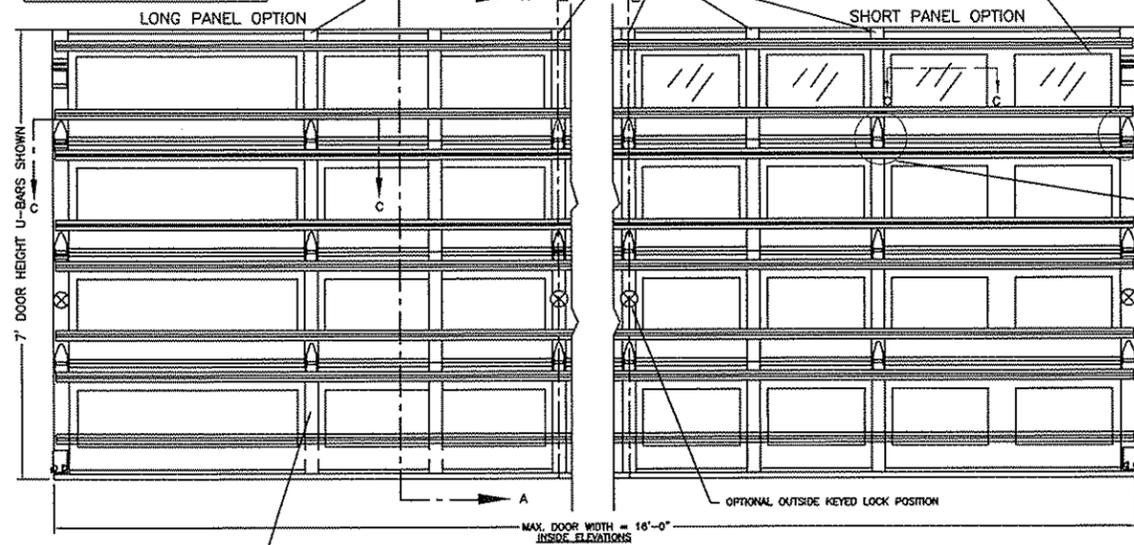


MODELS		INSULATED
STANDARD		
CLOPAY	G4S, GS4, G4L, GL4, GD4S, GD4L, GR4S, GR4L	G4SV, GS4V, G4LV, GL4V, GD4SV, GD4LV, GR4SV, GR4LV
IDEAL	E4S, E4L, ED4S, ED4L, MR4S, MR4L	E4SV, E4LV, ED4SV, ED4LV, MR4SV, MR4LV
HOLMES	SS4, SL4, AR4S, AR4L	SS4V, SL4V, AR4SV, AR4LV

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\"/>

STILE TABLE FOR LONG EMBOSS DOORS

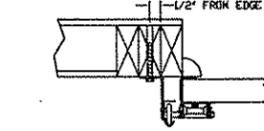
DOOR WIDTH	# OF HINGES	# OF STD. INTERM. STILES	# OF COMM. INTERM. STILES
9'2" TO 10'0"	1	1	0
10'2" TO 11'4"	N/A	N/A	N/A
11'6" TO 13'10"	2	2	0
14'0" TO 16'0"	3	3	2

STILE TABLE FOR SHORT EMBOSS DOORS

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.



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	# OF SECTIONS
6'-0"	3
6'-3" TO 8'-0"	4
8'-3" TO 10'-0"	5
10'-3" TO 12'-0"	6
12'-3" TO 14'-0"	7
14'-3" TO 16'-0"	8
MAX SECTION HEIGHT	24'

GALLERY 24GA W5-16
NO. OF STRUTS PER SECTION

DOOR HEIGHT	SECTION NUMBER					
	1	2	3	4	5	6
6'-0"	0	3	2	3	1	1
6'-3"	0	3	2	2	1	1
6'-6"	0	3	2	2	1	1
6'-9"	0	3	2	2	1	1
7'-0"	0	3	2	2	1	1
7'-3"	0	3	2	2	1	1
7'-6"	0	3	2	2	1	1
7'-9"	0	3	2	2	1	1
8'-0"	0	3	2	2	1	1
8'-3"	0	3	2	2	1	1
8'-6"	0	3	2	2	1	1
8'-9"	0	3	2	2	1	1
9'-0"	0	3	2	2	1	1
9'-3"	0	3	2	2	1	1
9'-6"	0	3	2	2	1	1
9'-9"	0	3	2	2	1	1
10'-0"	0	3	2	2	1	1
10'-3"	0	3	2	2	1	1
10'-6"	0	3	2	2	1	1
10'-9"	0	3	2	2	1	1
11'-0"	0	3	2	2	1	1
11'-3"	0	3	2	2	1	1
11'-6"	0	3	2	2	1	1
11'-9"	0	3	2	2	1	1
12'-0"	0	3	2	2	1	1
12'-3"	0	3	2	2	1	1
12'-6"	0	3	2	2	1	1
12'-9"	0	3	2	2	1	1
13'-0"	0	3	2	2	1	1
13'-3"	0	3	2	2	1	1
13'-6"	0	3	2	2	1	1
13'-9"	0	3	2	2	1	1
14'-0"	0	3	2	2	1	1
14'-3"	0	3	2	2	1	1
14'-6"	0	3	2	2	1	1
14'-9"	0	3	2	2	1	1
15'-0"	0	3	2	2	1	1
15'-3"	0	3	2	2	1	1
15'-6"	0	3	2	2	1	1
15'-9"	0	3	2	2	1	1
16'-0"	0	3	2	2	1	1

ORIGINAL DRAWINGS ARE SIGNED IN BLUE INK WITH A RAISED SEAL (EMBOSSED).
Mark Westerfield
6/6/13
DESIGN ENGINEER: MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495,
NC P.E. #23832,
TEXAS P.E. #91513

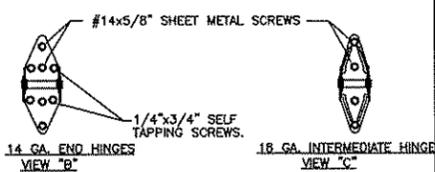
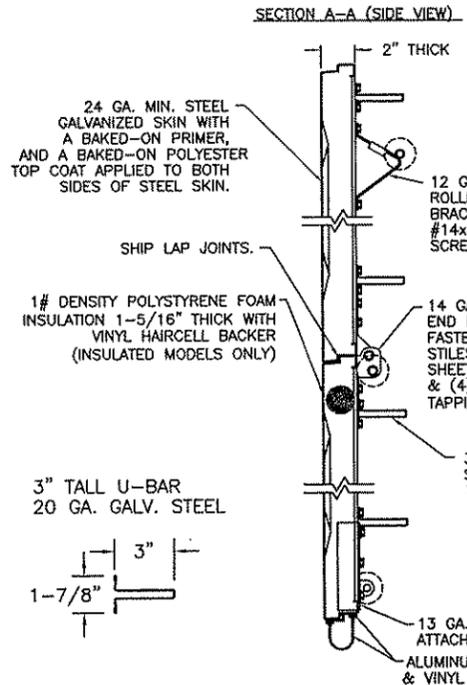
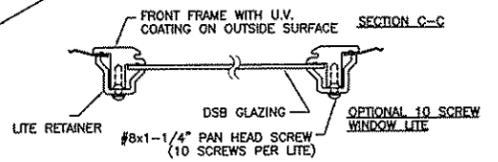
OPTIONAL WINDOW LITES DSB GLASS AVAILABLE. (SEE SECTION C-C) (MAX CUT-OUT NOT TO EXCEED 18-5/8" WIDE X 15-1/16" TALL)

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ANY ROOF SLOPE, AND 5) 50% SAFETY FACTOR.

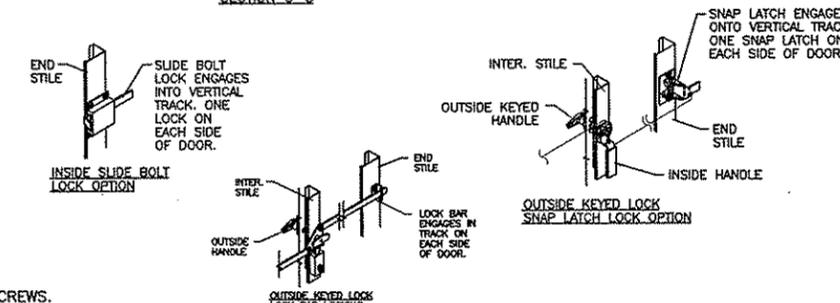
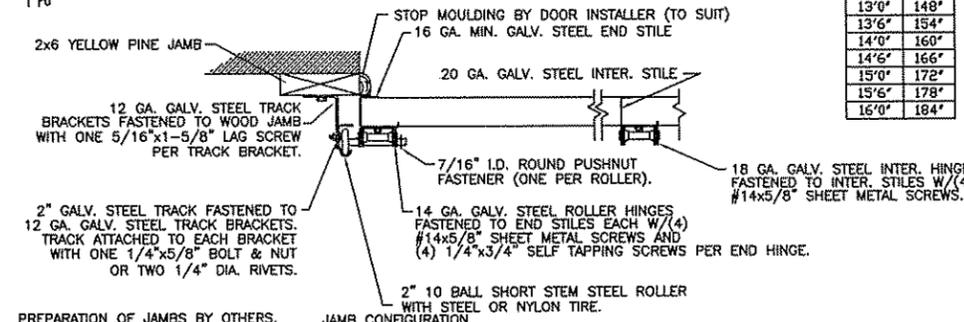
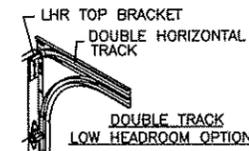
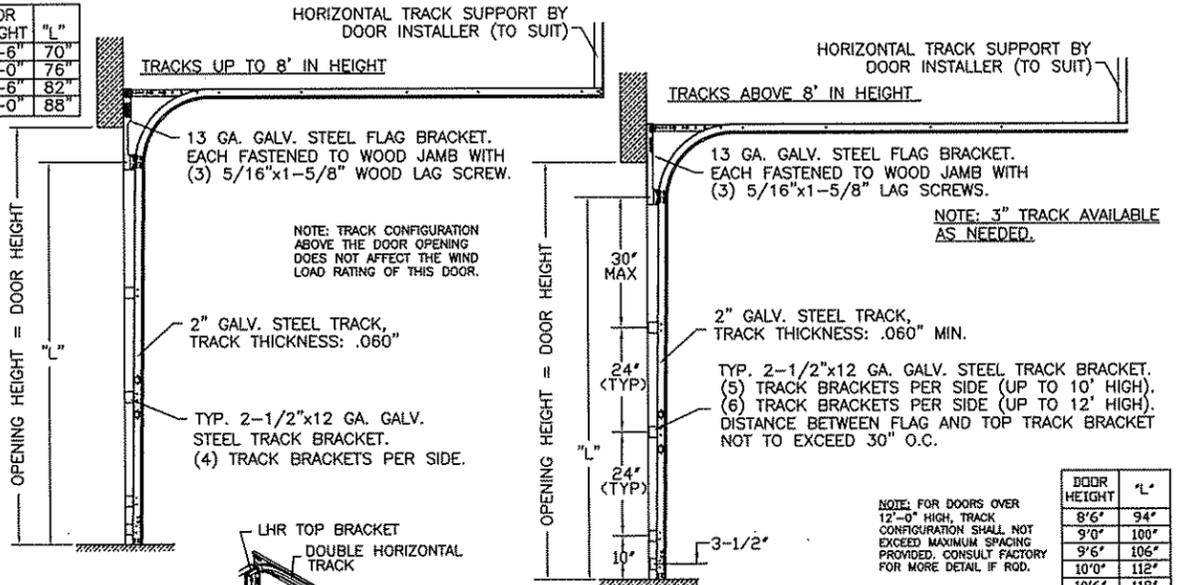
WIND SPEED (MPH)	≤ 110	120	120	130
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	16'	30'

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)



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



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

DOOR HEIGHT	"L"
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"

NOTE: FOR DOORS OVER 12'-0" HIGH, TRACK CONFIGURATION SHALL NOT EXCEED MAXIMUM SPACING PROVIDED. CONSULT FACTORY FOR MORE DETAIL IF NEEDED.



CLOPAY BUILDING PRODUCTS COMPANY
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	MAX. DOOR SIZE
W5	16'0"W x 16'0"H
DESCRIPTION: G4S, G4SV, G4L, G4LV; 16'W +30/-30 PSF	
DRAWING NUMBER:	103471