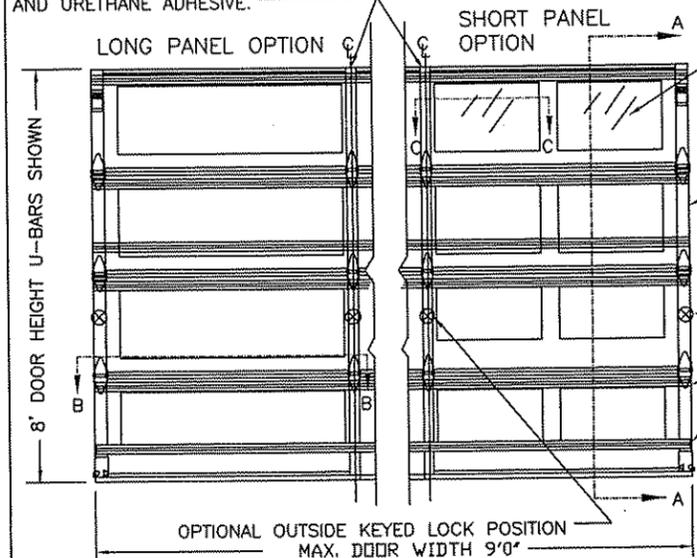


MODELS		INSULATED
CLOPAY	G4S, GS4, G4L, GL4, GD4S, GD4L, GR4S, GR4L	G4SV, GS4V, G4LV, GL4V, GD4SV, GD4LV, GR4SV, GR4LV
IDEAL	E4S, E4L, ED4S, ED4L	E4SV, E4LV, ED4SV, ED4LV
HOLMES	SS4, SL4, AR4S, AR4L	SS4V, SL4V, AR4SV, AR4LV

MIN. (1) INTERMEDIATE STILE ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE.



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

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)

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

LOCK POSITION (BOTH SIDES) TWO POINT LOCKING

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. (SEE HEIGHT CHART FOR U-BAR ARRANGEMENT)

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 W5-09

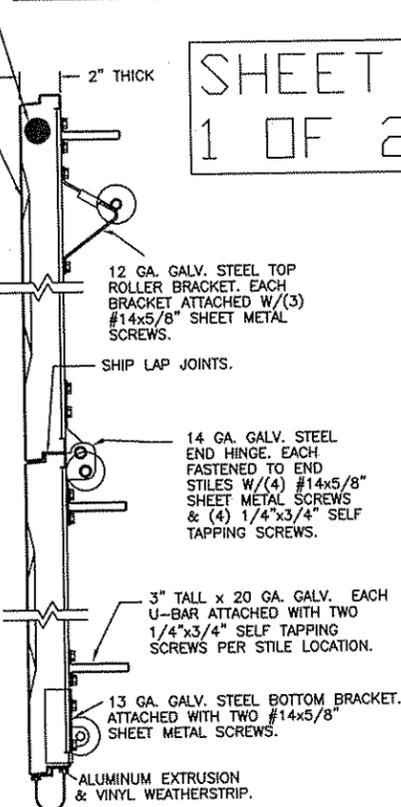
NO. OF U-BARS PER SECTION

DOOR HEIGHT FT. IN.	SECTION NUMBER							
	1	2	3	4	5	6	7	8
6 0								
6 3								
6 6								
6 9								
7 0								
7 3								
7 6								
7 9								
8 0								
8 3								
8 6								
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1# DENSITY POLYSTYRENE FOAM INSULATION 1-5/16" THICK WITH VINYL HAIRCELL BACKER (INSULATED MODELS ONLY)

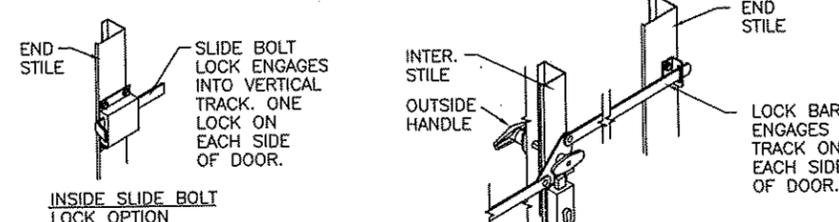
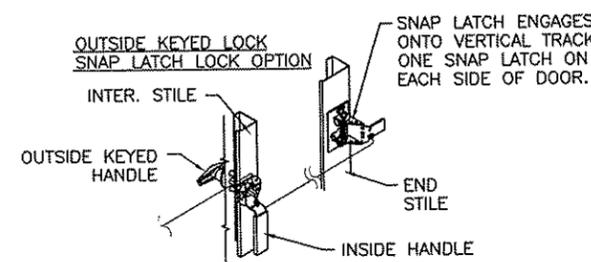
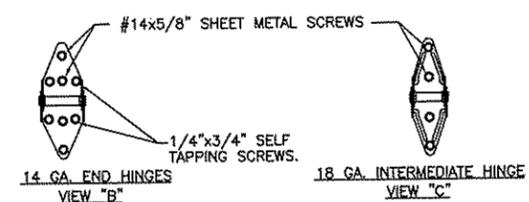
24 GA. MIN. STEEL SKIN COATED WITH GALV., BAKED-ON PRIMER, AND A BAKED-ON POLYESTER TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

SECTION A-A (SIDE VIEW)



SHEET 1 OF 2

REV	DATE	DESCRIPTION
02	09/27/05	ADDER ROLLER OPTION
03	03/13/06	ADDED LARGE WINDOW OPTION, NEW MODEL NUMBERS
04	07/26/07	ADDED UPDATED GLAZING OPTION
05	12/05/07	ADDED LONG WINDOW LITE OPTION
06	01/31/12	REVISED WIND SPEED TABLE FOR ASCE7-10.
07	08/17/12	REVISED FOR TDI.
08	06/05/13	REMOVED ACRYLIC GLAZING. REVISED GLAZING SIZE.



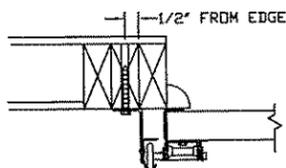
EQUIVALENT SECTION CONSTRUCTION: FOR ANY OF THE MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING).

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:

- 1) 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.
- 2) 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.



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 THIS DRAWING.

PREPARATION OF JAMBS BY OTHERS.

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.

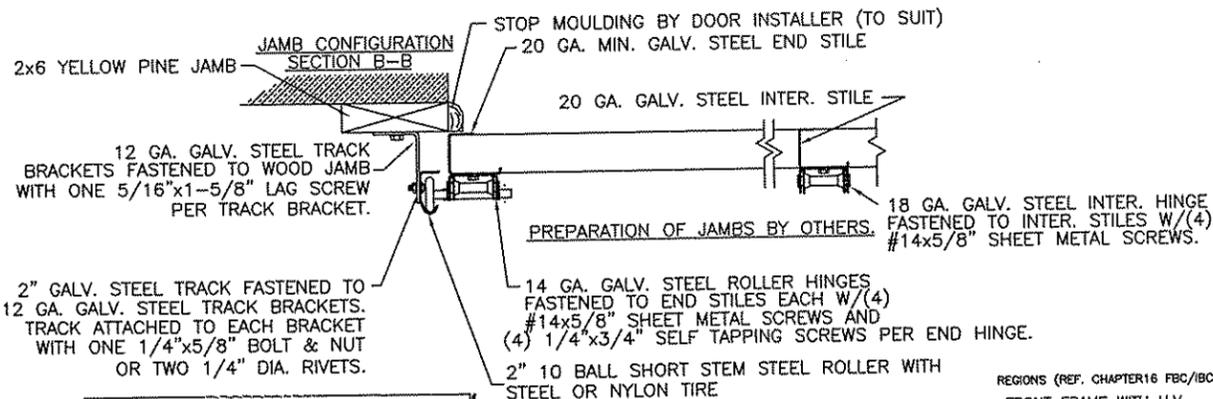
VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):

3/8"x3" SLEEVE ANCHOR BOLTS ON 24" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.

OR 1/4"x3" TAPCON SCREWS ON 24" CENTERS (2,000 PSI MIN. CONCRETE) OR 24" CENTERS (C-90 BLOCK), 1" O.D. WASHERS REQUIRED WITH TAPCONS.

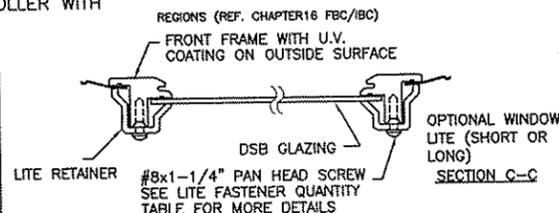
ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

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



LITE FASTENER QUANTITY TABLE

WINDOW LITE OPTION	# OF SCREWS
SHORT RECT	12
DOUBLE ARCH	14
SINGLE ARCH	15
LONG RECT	16



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)	≤ 100	110	110	120
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	20'	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

DESIGN LOADS: +30.0 P.S.F. & -32.0 P.S.F.
TEST LOADS: +45 P.S.F. & -48 P.S.F.

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

Clopay
Building Products
Company

CLOPAY BUILDING PRODUCTS COMPANY
8585 DUKE BLVD.
MASON, OH 45040
(513) 770-4800

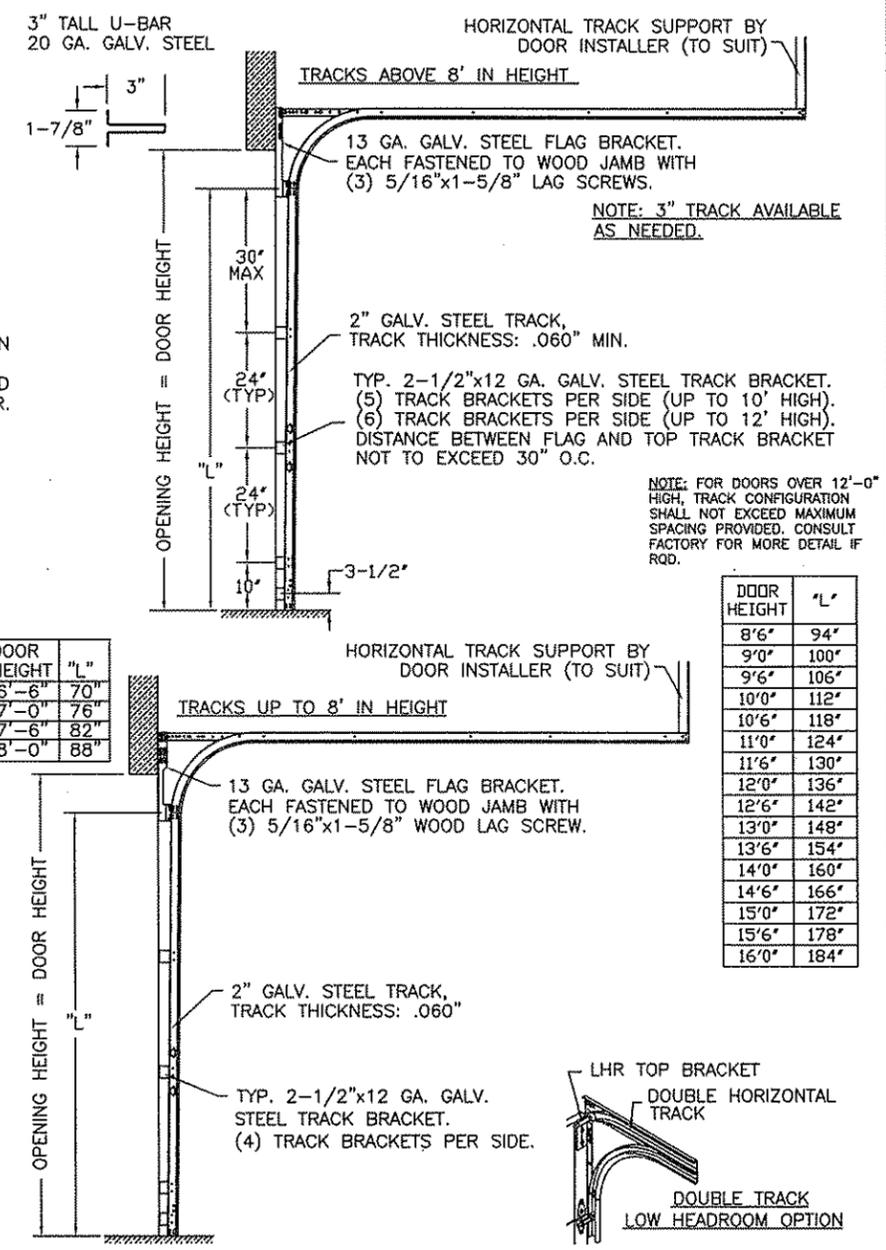
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MANUFACTURING PRODUCT CODE	PAN-2F441	WINDLOAD RATING	W5	MAX. DOOR SIZE:	9'W x 16'H
DATE:	5/31/05	DESCRIPTION:	G4S, G4SV, G4L, G4LV; 9'W +30/-32		
DRAWN BY:	RJK	DRAWING NUMBER:	B 103487		
CHECKED BY:					

SHEET
2 OF 2

REV	DATE	DESCRIPTION
08	-	SEE REVISION HISTORY

NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.



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

Mark Westerfield
6/6/13

DESIGN ENGINEER: MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495,
NC P.E. #23832,
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MANUFACTURING PRODUCT CODE PAN-2F441	WINDLOAD RATING W5	MAX. DOOR SIZE: 9'W x 16'H
DATE: 5/31/05	DESCRIPTION: G4S, G4SV, G4L, G4LV; 9'W +30/-32	
DRAWN BY: RJK	DRAWING NUMBER: 103487	
CHECKED BY:	B	