

MODELS	STANDARD	INSULATED
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

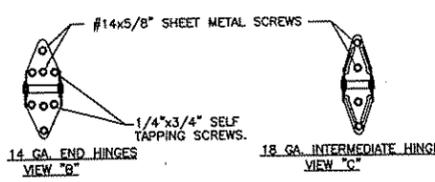
DOOR WIDTH	# OF HINGES	# OF STD. INTERM. STILES	# OF COMM. INTERM. STILES
9'2" TO 10'0"	1	1	0
10'2" TO 11'4"	N/A	N/A	N/A
11'6" TO 13'10"	2	2	1
14'0" TO 16'0"	3	3	2

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

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.

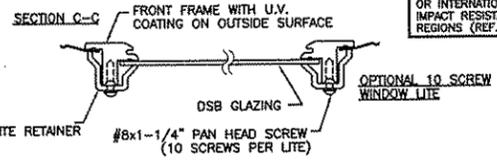
WIND SPEED (MPH)	≤ 110	120	120	130
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	16'	30'

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).



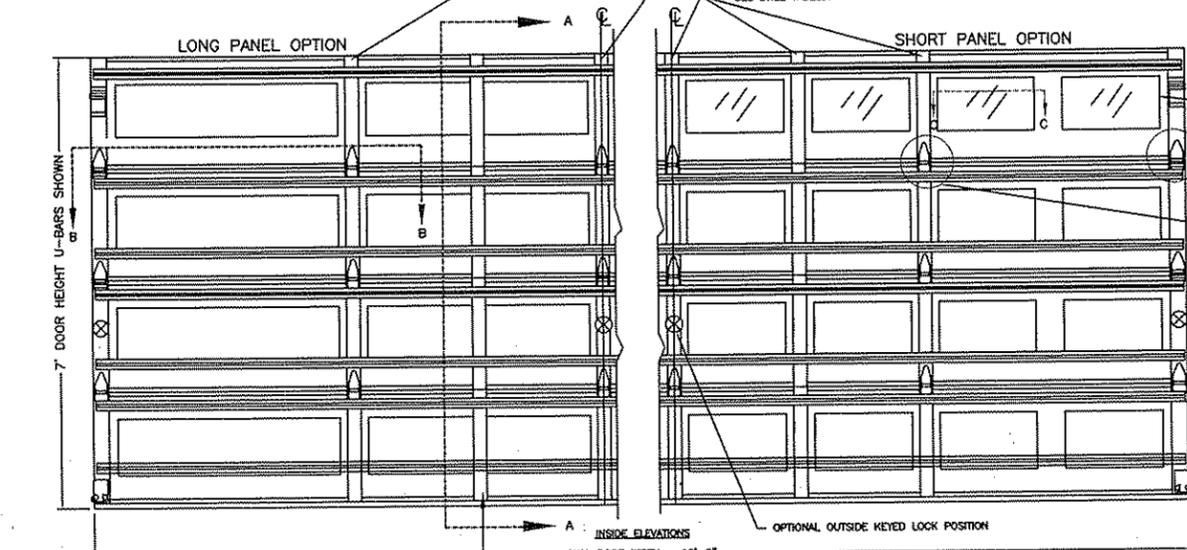
REV	DATE	DESCRIPTION
02	09/26/05	ADDED ROLLER OPTION
03	04/30/07	ADDED NEW MODEL NUMBERS, REVISED 7'H STRUT PATTERN
04	07/26/07	ADDED UPDATED GLAZING OPTION
05	01/31/12	REVISED WIND SPEED TABLE FOR ASCE7-10.
06	08/17/12	REVISED FOR TDI
07	06/05/13	ADDED GLAZING SIZE. REMOVED ACRYLIC GLAZING OPTION.

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



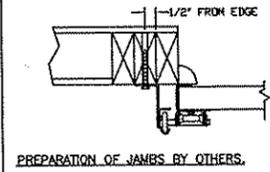
EQUIVALENT SECTION CONSTRUCTION: FOR ANY OF THE MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING).

W3, W4, W5. ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.

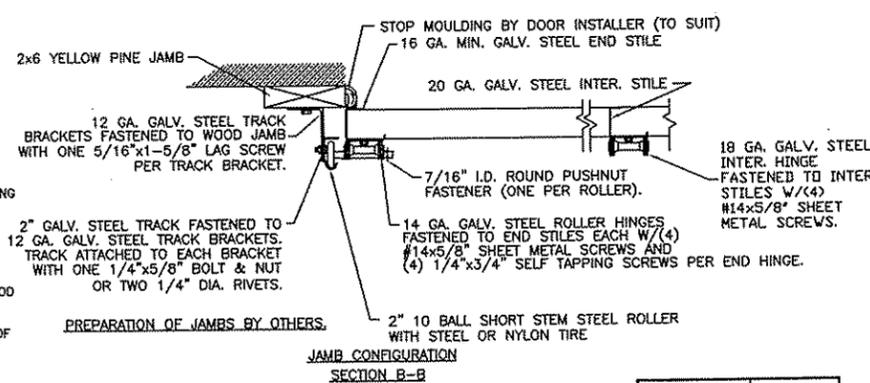


FOR MODELS G4L, GD4L, G4LV, GD4LV, E4L, ED4L, E4LV, ED4LV, MR4L, MR4LV, GL4, GR4L, GL4V, GR4LV, SL4, AR4L, SL4V, AR4LV ONLY (LONG EMBOSS DOORS): ADDITIONAL 18 GA. COMMERCIAL INTERM. STILES REQUIRED FROM 11'6" WIDE TO 16'0" WIDE. SEE 'STILE TABLE FOR LONG EMBOSS DOORS'. THESE COMMERCIAL CENTER STILES 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.

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.

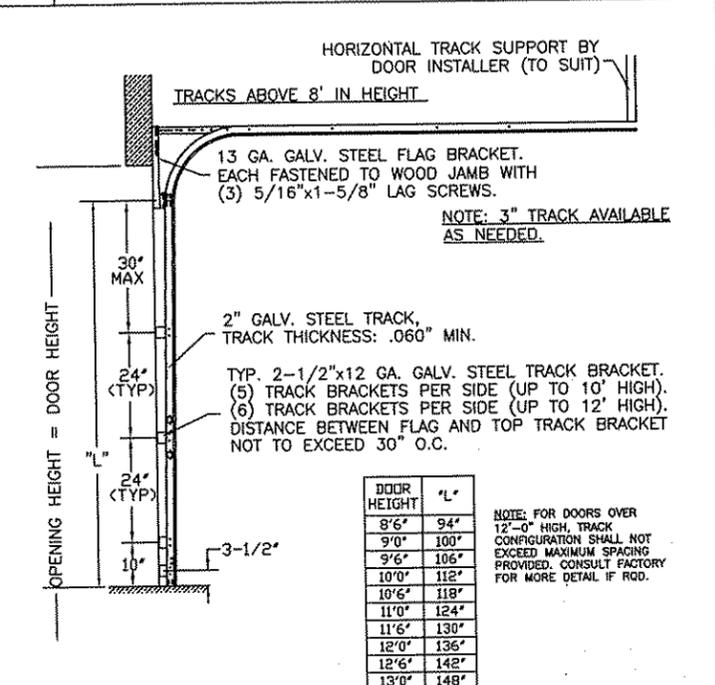
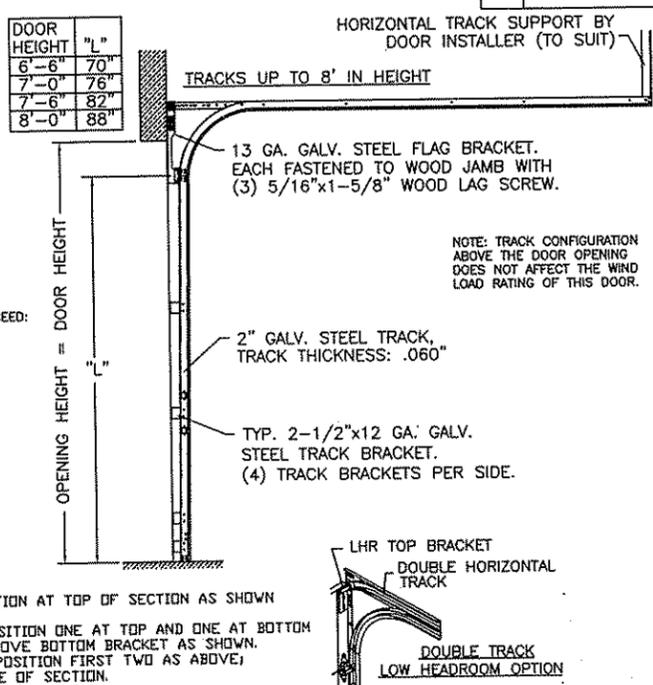


VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS): 3/8"x3" LAG SCREWS ON 19" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.  
 VERTICAL JAMB ATTACHMENT (CONCRETE BLOCK OR 2,000 PSI MIN. CONCRETE 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 21" 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.

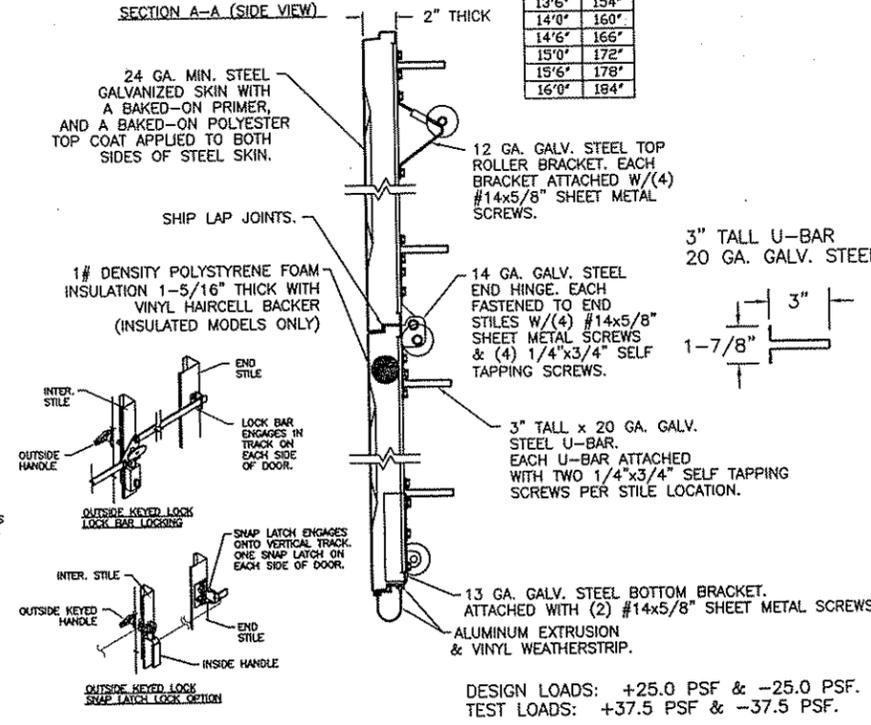
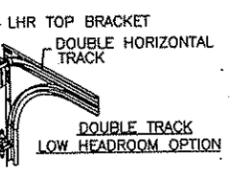


DOOR HEIGHT	# OF SECTIONS
6'-0"	3
6'3" TO 8'0"	4
8'3" TO 10'0"	5
10'3" TO 12'0"	6
12'3" TO 14'0"	7
14'3" TO 16'0"	8
MAX SECTION HEIGHT: 24'	

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



NO. OF STRUTS PER SECTION		SECTION NUMBER							
DOOR HEIGHT	FT. IN.	1	2	3	4	5	6	7	8
6	0	3	2	2	1	1	1	1	1
6	3	2	1	2	1	1	1	1	1
6	6	2	1	2	1	1	1	1	1
6	9	2	1	2	1	1	1	1	1
7	0	3	2	2	1	1	1	1	1
7	3	3	2	2	1	1	1	1	1
7	6	3	2	2	1	1	1	1	1
7	9	3	2	2	1	1	1	1	1
8	0	3	2	2	1	1	1	1	1
8	3	3	2	2	1	1	1	1	1
8	6	3	2	2	1	1	1	1	1
8	9	3	2	2	1	1	1	1	1
9	0	3	2	2	1	1	1	1	1
9	3	3	2	2	1	1	1	1	1
9	6	3	2	2	1	1	1	1	1
9	9	3	2	2	1	1	1	1	1
10	0	3	2	2	1	1	1	1	1
10	3	3	2	2	1	1	1	1	1
10	6	3	2	2	1	1	1	1	1
10	9	3	2	2	1	1	1	1	1
11	0	3	2	2	1	1	1	1	1
11	3	3	2	2	1	1	1	1	1
11	6	3	2	2	1	1	1	1	1
11	9	3	2	2	1	1	1	1	1
12	0	3	2	2	1	1	1	1	1
12	3	3	2	2	1	1	1	1	1
12	6	3	2	2	1	1	1	1	1
12	9	3	2	2	1	1	1	1	1
13	0	3	2	2	1	1	1	1	1
13	3	3	2	2	1	1	1	1	1
13	6	3	2	2	1	1	1	1	1
13	9	3	2	2	1	1	1	1	1
14	0	3	2	2	1	1	1	1	1
14	3	3	2	2	1	1	1	1	1
14	6	3	2	2	1	1	1	1	1
14	9	3	2	2	1	1	1	1	1
15	0	3	2	2	1	1	1	1	1
15	3	3	2	2	1	1	1	1	1
15	6	3	2	2	1	1	1	1	1
15	9	3	2	2	1	1	1	1	1
16	0	3	2	2	1	1	1	1	1



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"

DESIGN LOADS: +25.0 PSF & -25.0 PSF. TEST LOADS: +37.5 PSF & -37.5 PSF.



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MANUFACTURING PRODUCT CODE	WINDLOAD RATING	MAX. DOOR SIZE
SHORT PANEL: PAN-2F443 LONG PANEL: PAN-2F441	W4	16'0"W x 16'0"H
DATE	DESCRIPTION	DRAWING NUMBER
6/01/05	G4S, G4SV, G4L, G4LV; 16'W +25/-25 PSF	B 103454
DRAWN BY	RJK	