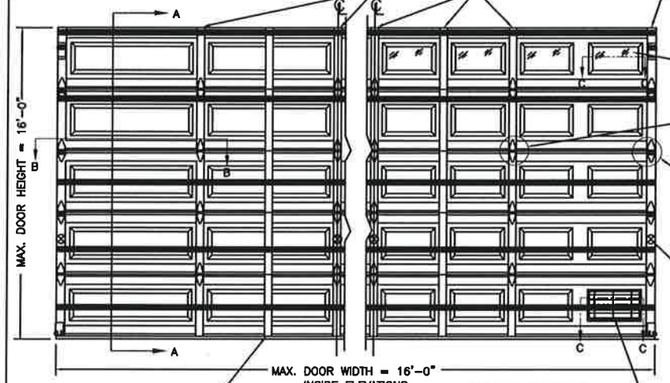
MODELS	SHORT PANEL	LONG PANEL	GALLERY SHORT
25 GA	15SP, 73SP	76SP, 76VSP	GD5SSP, GD5SPV

SECTION QUANTITY NOTE: DOORS UP TO 7'-0" HIGH CONSIST OF (4) SECTIONS (NOT SHOWN). DOORS OVER 7'-0" AND UP TO 8'-9" HIGH CONSIST OF (5) SECTIONS (SHOWN). MAX SECTION HEIGHT IS 21".



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

16 GA. GALV. END STILES ATTACHED TO DOOR SKIN WITH TOG-L-LOC. 2 RIVETS PER STILE LOCATED AT THE OUTSIDE TOG-L-LOC LOCATION ON THE INSIDE OF THE DOOR.

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".

VIEW "B"

VIEW "C"

TWO POINT LOCKING INTO TRACK. SEE LOCK OPTION DETAILS.

OPTIONAL FRAME WITH VENT INSERT. SEE SECTION C-C. THIS VENT IS NOT COMPATIBLE WITH IMPACT-RESISTANT CONSTRUCTION. (NOT AVAILABLE ON 76SP, 76VSP OR GALLERY MODELS)

STILE TABLE FOR SHORT PANEL DOORS

DOOR WIDTH	# OF HINGES	# OF STD. INTERM. STILES
8'0" TO 9'10"	1	1
10'0" TO 11'10"	2	2
12'0" TO 13'10"	2	3
14'0" TO 15'10"	4	4
16'0"	3	5

STILE TABLE FOR GALLERY DOORS

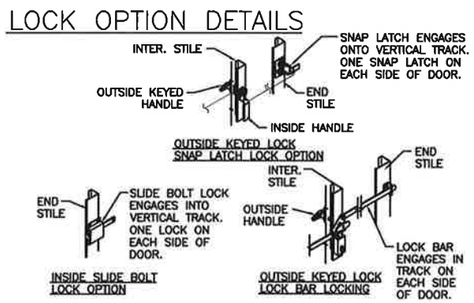
DOOR WIDTH	# OF INTERM. HINGES	# OF INTERM. STILES
9'2" TO 10'0"	1	1
10'2" TO 11'4"	N/A	N/A
11'6" TO 13'10"	2	3
14'0" TO 16'0"	3	5

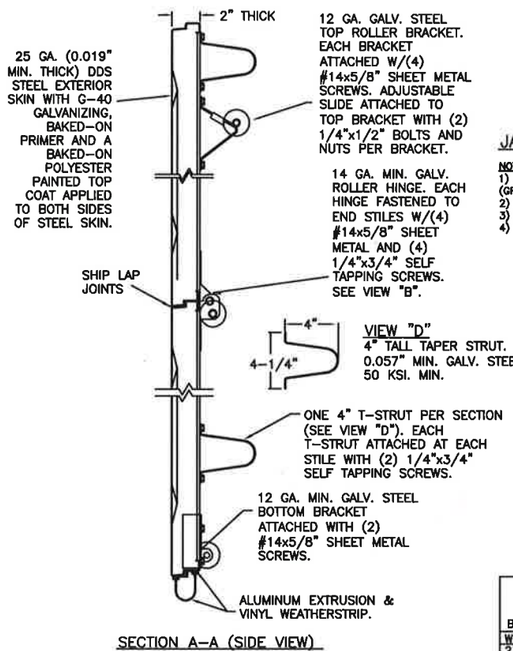
FOR LONG EMBOSS DOORS ONLY:
ADDITIONAL 18 GA. COMMERCIAL INTERM. STILES REQUIRED FROM 11'4" WIDE TO 16'0" WIDE
SEE 'STILE TABLE FOR LONG EMBOSS DOORS'.
THESE COMMERCIAL CENTER STILES ARE ATTACHED MIDPOINT BETWEEN THE EXISTING RESIDENTIAL CENTER STILES. COMMERCIAL CENTER STILES ARE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) OR (4) 3/16" POP RIVETS OR (4) #8 SHEET METAL SCREWS.

STILE TABLE FOR LONG EMBOSS DOORS

DOOR WIDTH	# OF HINGES	# OF STD. INTERM. STILES	# OF COMM. INTERM. STILES
8'0" TO 11'2"	1	1	0
11'4" TO 14'10"	2	2	1
15'0" TO 16'0"	3	3	2

LOCK OPTION DETAILS

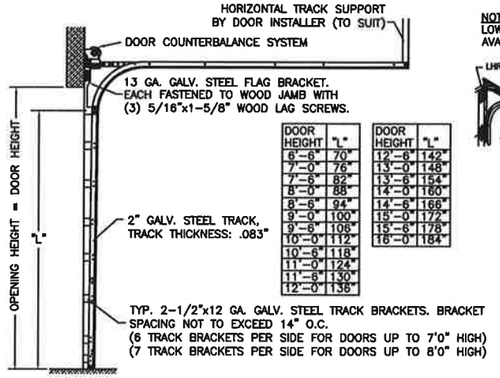




SECTION A-A (SIDE VIEW)

TRACK CONFIGURATION

TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.

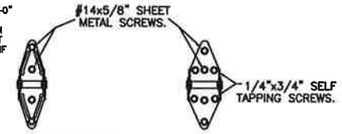


DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"

DOOR HEIGHT	"L"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"

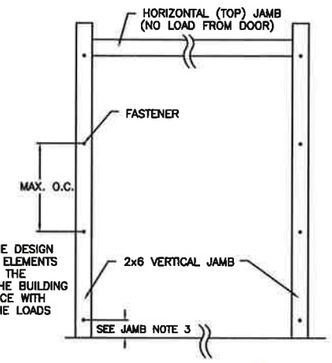
NOTE: DOUBLE TRACK LOW HEADROOM IS AVAILABLE AS AN OPTION

NOTE: FOR DOORS OVER 8'-0" HIGH, TRACK CONFIGURATION SHALL NOT EXCEED MAXIMUM SPACING PROVIDED. CONSULT FACTORY FOR MORE DETAIL IF REQ'D.



18 GA. INTERMEDIATE HINGE VIEW "B"

14 GA. END HINGES VIEW "C"



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.

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:
1) ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2) ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
3) BOTTOM FASTENER SHALL BE NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE ABOVE THE FLOOR.
4) TOP FASTENER SHALL BE AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT.

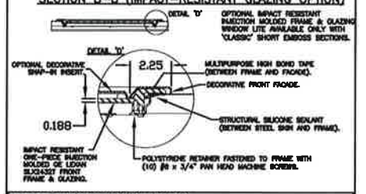
2x6 WOOD JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS)

BUILDING TYPE	FASTENER TYPE	DOORS UP TO 16'0"W MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS.	STEEL WASHERS?
WOOD FRAME	3/8" x 1-1/2" EMBED LAG SCREW (ASTM A307, GRADE A)	15-1/2"	1" O.D.
2,000 PSI MIN. CONCRETE	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR	11-1/4"	1" O.D.
C-90 BLOCK WALL	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR	6"	1" O.D.
2,000 PSI MIN. CONCRETE	3/8" x 1-1/2" MIN. EMBED SLEEVE ANCHOR BOLT	13-1/2"	INCLUDED

IMPACT RESISTANT ASSEMBLY DETAILS
DRAWING 104818-A

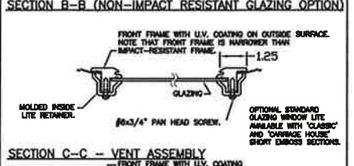
SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



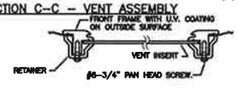
IMPACT-RESISTANT CONSTRUCTION:
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX24327, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/IRC 2906. IMPACT RESISTANT GLAZING NOT AVAILABLE ON "GALLERY" DOORS. 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 104818-B

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



SECTION C-C - VENT ASSEMBLY

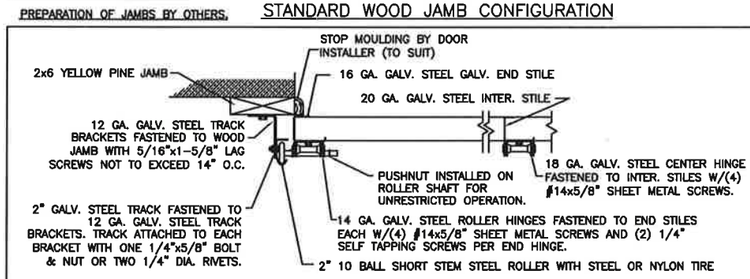


STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL VENTS AND DSB OR 1/8" ACRYLIC LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/IRC 2906.
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF 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).

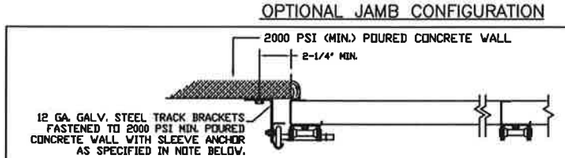
SECTION B-B

PREPARATION OF JAMBS BY OTHERS.

STANDARD WOOD JAMB CONFIGURATION



OPTIONAL JAMB CONFIGURATION



ATTACHING TRACK DIRECTLY TO 2000 PSI MIN. POURED CONCRETE WALL
CONCRETE WALLS AND COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.
TRACK BRACKETS AND FLAG BRACKETS MAY BE MOUNTED DIRECTLY TO POURED CONCRETE (2000 PSI MIN.) WALL UNDER THE FOLLOWING CONDITIONS:
1. FASTENER SHALL BE ITW/RED HEAD DYNABOLT SLEEVE ANCHOR, 3/8" DIA. WITH 1-1/2" MIN. EMBEDMENT.
2. EACH TRACK BRACKET SHALL HAVE (1) FASTENER.
3. EACH FLAG BRACKET SHALL HAVE (3) FASTENERS.
4. CENTER OF FASTENER SHALL BE NO CLOSER THAN 2-1/4" TO EDGE OF POURED CONCRETE (2000 PSI MIN.) WALL.
5. MAXIMUM ON-CENTER SPACING OF FASTENERS SHALL NOT EXCEED 14".
6. ALTERNATE FASTENER SPECIFICATION SHALL BE APPROVED BY A LICENSED PROFESSIONAL ENGINEER.
7. ALL OTHER DETAILS AS NOTED IN 'STANDARD CONFIGURATION' ABOVE.

DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

MANUFACTURING PRODUCT CODE:
SHORT PANEL - MPC: PANSP-2F153
LONG PANEL - MPC: PANSP-2F156
DESIGN LOADS: +32.0 P.S.F. & -37.0 P.S.F.
TEST LOADS: +48.0 P.S.F. & -55.5 P.S.F.

REV	DATE	DESCRIPTION
00	6/24/13	WAS DWG 103423; REPLACED C-CHANNEL WITH T-STRUT.
01	6/25/14	ADDED GALLERY SHORT MODELS.
02	3/30/17	REVISED FOR 16'0" HIGH DOORS.
03	8/6/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART

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

DATE: 5/30/06
DRAWN BY: BFA
CHECKED BY:

WINDLOAD RATING: W5 DP32T
MAX DOOR SIZE: 16'0"W x 16'0"H
DESCRIPTION: MODELS 15SP, 76SP: +32/-37 PSF
B
DRAWING NUMBER: 104818 - A/B

FLORIDA PRODUCT APPROVAL 16546