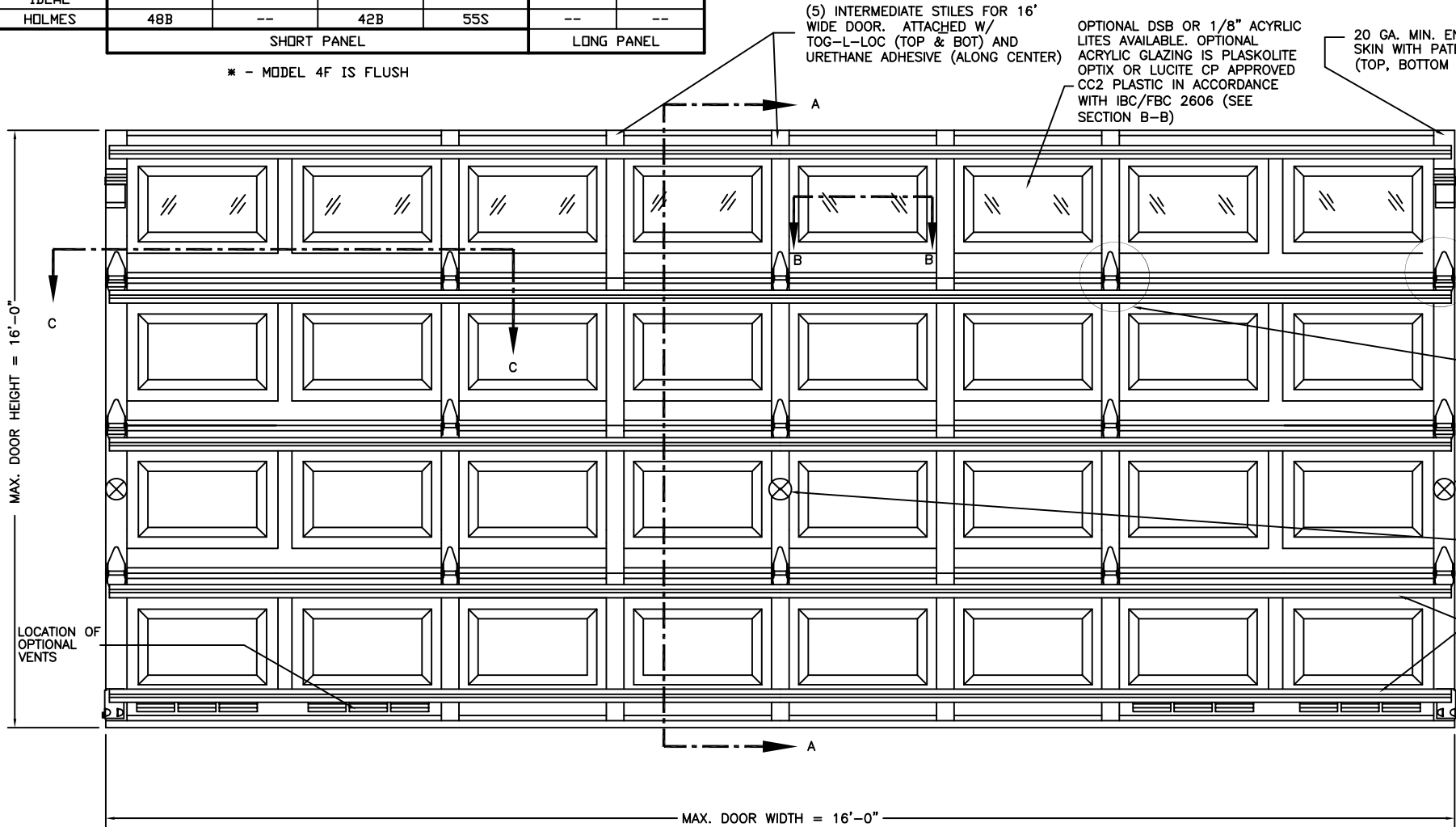


MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94, 4F*	94V	73, 75	1500, 190	75L, 76	76V
IDEAL	--	--	--	--	--	--
HOLMES	48B	--	42B	55S	--	--
SHORT PANEL				LONG PANEL		

* - MODEL 4F IS FLUSH



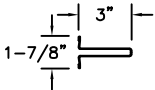
VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
1/2"x3" LAG SCREWS ON 22-1/2" CENTERS. 1" O.D. MIN. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

1# DENSITY POLYSTYRENE FOAM INSULATION
1-5/16" THICK WITH VINYL HAIRCELL BACKER (INSULATED MODELS ONLY)

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

SHIP LAP JOINTS.

3" TALL U-BAR
20 GA. GALV. STEEL
MIN. YIELD STRENGTH: 80 KSI



SECTION A-A (SIDE VIEW)

2" THICK
12 GA. GALV. STEEL TOP
ROLLER BRACKET. EACH
BRACKET ATTACHED W/(4)
#14x5/8" SHEET METAL
SCREWS.
3" TALL x 20 GA. GALV.
STEEL U-BAR. ONE U-BAR ON
EVERY SECTION, EXCEPT BOTTOM
SECTION WHICH HAS TWO U-BARS.
EACH U-BAR ATTACHED WITH
1/4"x3/4" SELF TAPPING SCREWS
PER STILE LOCATION.

13 GA. GALV. STEEL BOTTOM BRACKET.
ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS.
ALUMINUM EXTRUSION
& VINYL WEATHERSTRIP.

FRONT FRAME WITH U.V.
COATING ON OUTSIDE SURFACE
SSB GLASS OR
1/8" ACRYLIC LITE
OPTIONAL 10 SCREW
WINDOW LITE
SECTION B-B
#8x3/4" PAN HEAD SCREW
(10 SCREWS PER LITE)
MOLDED INSIDE
LITE RETAINER

INTER. STILE
OUTSIDE KEYED
HANDLE
INSIDE HANDLE
SNAP LATCH ENGAGES
ONTO VERTICAL TRACK.
ONE SNAP LATCH ON
EACH SIDE OF DOOR.
OUTSIDE KEYED LOCK
SNAP LATCH LOCK OPTION

END STILE
SLIDE BOLT
LOCK ENGAGES
INTO VERTICAL
TRACK. ONE
LOCK ON
EACH SIDE
OF DOOR.
INSIDE SLIDE BOLT
LOCK OPTION

#14x5/8" SHEET METAL SCREWS
1/4"x3/4" SELF
TAPPING SCREWS.
14 GA. END HINGES
VIEW "B"
18 GA. INTERMEDIATE HINGE
VIEW "C"

END STILE
LOCK BAR
ENGAGES IN
TRACK ON
EACH SIDE
OF DOOR.
OUTSIDE KEYED LOCK
LOCK BAR LOCKING

LHR TOP BRACKET
DOUBLE HORIZONTAL
TRACK
DOUBLE TRACK
LOW HEADROOM OPTION

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.

# OF CENTER STILES	DOOR WIDTH
1	9'2" TO 9'10"
2	10'0" TO 11'10"
3	12'0" TO 13'10"
4	14'0" TO 15'10"
5	16'0"

VIEW "B"

VIEW "C"

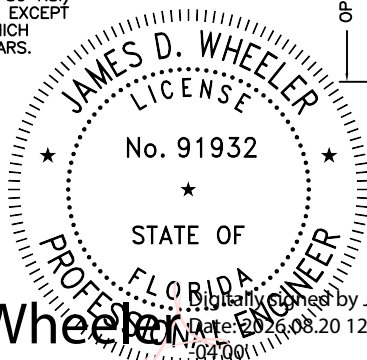
LOCK POSITION
(BOTH SIDES)
TWO POINT LOCKING

OPTIONAL OUTSIDE
KEYED LOCK POSITION.

ONE 3" TALL x 20 GA.
U-BAR (MIN. YIELD: 80 KSI)
PER DOOR SECTION, EXCEPT
BOTTOM SECTION WHICH
REQUIRES TWO U-BARS.

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. CHAPTER16 FBC/IBC)

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



Jim Wheeler

2x6 YELLOW PINE JAMB
STOP MOULDING BY DOOR INSTALLER (TO SUIT)
20 GA. MIN. GALV. STEEL END STILE
20 GA. GALV. STEEL INTER. STILE
12 GA. GALV. STEEL TRACK
BRACKETS FASTENED TO WOOD JAMB
WITH ONE 5/16"x1-5/8" LAG SCREW
PER TRACK BRACKET.
7/16" I.D. ROUND PUSHNUT
FASTENER (ONE PER ROLLER)
14 GA. GALV. STEEL ROLLER HINGES
FASTENED TO END STILES EACH W/(4)
#14x5/8" SHEET METAL SCREWS AND
(4) 1/4"x3/4" SELF TAPPING SCREWS PER END HINGE.
2" 10 BALL SHORT STEM STEEL ROLLER WITH
STEEL OR NYLON TIRE

PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION
SECTION C-C

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

DESIGN ENGINEER: MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

DESIGN LOADS: +20.0 PSF & -20.0 PSF
TEST LOADS: +30.0 PSF & -30.0 PSF

REV	DATE	DESCRIPTION
09	09/22/05	ADDED ROLLER OPTION
10	11/30/07	COMBINED CLOPAY, IDEAL, AND HOLMES DRAWINGS
11	10/21/08	ADDED M/N 42B, 48B, 55S, ADDED MPC
12	01/31/12	REVISED WIND SPEED TABLE FOR ASCE7-10.
13	11/9/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
14	9/29/23	ADDED 94V AND ADDITIONAL FASTENERS.
15	02/27/24	CHANGED REINFORCEMENT REQUIREMENTS.
16	08/12/26	UPDATED MODEL TABLE.

HORIZONTAL TRACK SUPPORT BY
DOOR INSTALLER (TO SUIT)
TRACK CONFIGURATION ABOVE THE DOOR OPENING
DOES NOT AFFECT THE WIND LOAD RATING.

13 GA. GALV. STEEL FLAG BRACKET.
EACH FASTENED TO WOOD JAMB WITH
(3) 5/16"x1-5/8" WOOD LAG SCREWS.

TRACK CONFIGURATION

NOTE: DOUBLE TRACK
LOW HEADROOM IS
AVAILABLE AS AN OPTION

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

2" GALV. STEEL TRACK,
MIN. TRACK THICKNESS: .060"

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK
BRACKET. (4) TRACK BRACKETS PER SIDE
UP TO 8'H. (MAX OC NOT TO EXCEED 30").

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR
2,000 PSI MIN. CONCRETE COLUMN):
3/8"x4" SLEEVE ANCHORS ON 24" CENTERS (BOTH
C-90 BLOCK OR 2,000 PSI MIN. CONCRETE) OR
1/4"x4" TAPCON SCREWS ON 21" CENTERS (2,000
PSI MIN. CONCRETE). WASHERS INCLUDED WITH
SLEEVE ANCHORS. 1" O.D. MIN. WASHERS REQUIRED
WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK
(BUT NOT REQUIRED) TO PROVIDE A FLUSH
MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT
TRANSFER LOAD.



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

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MANUFACTURING PRODUCT CODE:
MPC: PAN-2F153

DATE:
2/7/97

DRAWN BY:
MWW

CHECKED BY:

WINDLOAD RATING
W3

MAX. DOOR SIZE:
16'W x 16'H

DESCRIPTION:

MODELS 73/75/84A/94; 16'W; +20,-20 DES. LOADS

DRAWING NUMBER:

101308

B

VER:

IBC