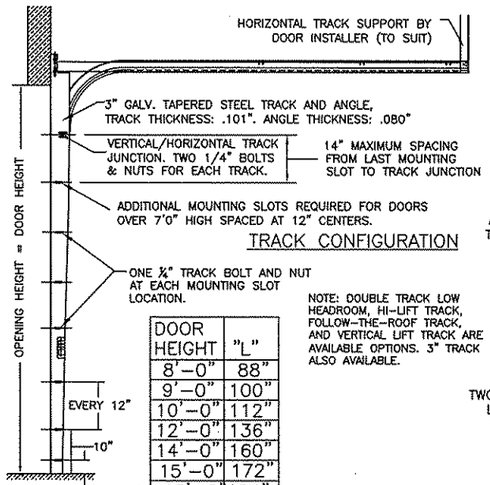
CLOPAY MODEL 902
IDEAL MODEL C2AL

UP TO 22'-2" WIDE X 18'-0" HIGH

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
03	–	02/2012	–	–	UPDATED WINDCODE CHART
04	–	08/2012	–	–	REVISED FOR TDI
05	–	06/2013	–	–	REMOVED ACRYLIC GLAZING OPTION.

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)



TRACK CONFIGURATION

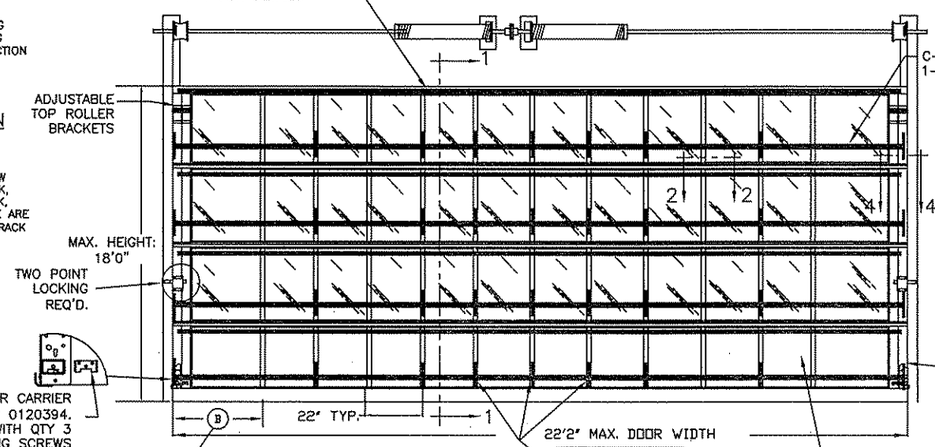
NOTE: DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. 3" TRACK ALSO AVAILABLE.

DOOR HEIGHT	"L"
8'-0"	88"
9'-0"	100"
10'-0"	112"
12'-0"	136"
14'-0"	160"
15'-0"	172"
16'-0"	184"
17'-0"	196"
18'-0"	208"

DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9

MAX. SECTION HEIGHT: 24"

DOOR IS MADE OF 6063-T5 ALUMINUM EXTRUSIONS.
WALL THICKNESS:
TOP & BOTTOM RAILS .075
INTER. TOP & BOTTOM RAILS .075
TOP HAS .1 x 1.875" FIN
INTER. TOP RAIL CAP .040
SINGLE & DOUBLE END STILES .075
CENTER STILES .062

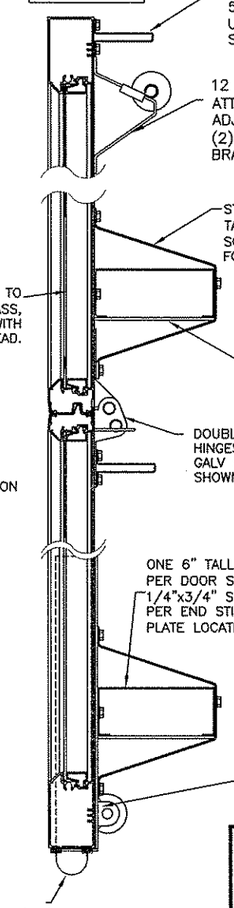


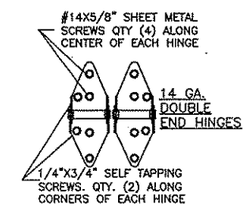
NOTE:
CENTER STILES ALWAYS 22" FROM CENTER TO CENTER. FOR ANY GIVEN DOOR WIDTH, DIMENSION 'B' THIS DIMENSION WILL NOT BE GREATER THAN 23" OR LESS THAN 18"

AT THE CENTER OF EACH C-CHANNEL ATTACH THREE 6"x2-1/4"x12 GA. STEEL PLATE TO THE UNDERSIDE OF THE THE C-CHANNEL WITH (4) 1/4"x3/4" SELF TAPPING SCREWS.

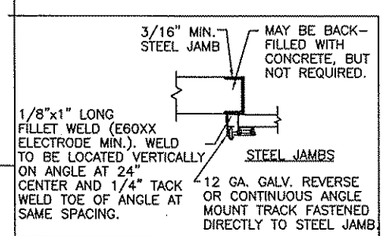
VIEW "E"

SECTION 1 - 1

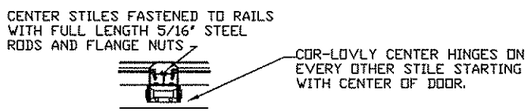




VIEW "A"

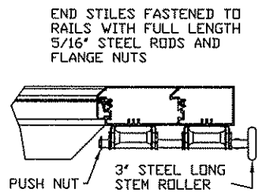


STEEL JAMBS



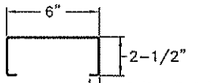
COR-LOVLY CENTER HINGE OF 16 GA. GALV. STEEL, ATTACHED TO INTER. BOTTOM RAIL WITH (2) #14 x 5/8" SHT MTL SCREWS AND TWO INTER. TOP RAIL WITH (2) 1/4 - 20 x 1/2" HEX HEAD MACHINE SCREWS & NUTS

SECTION 2 - 2



REINFORCING FIN ON INTER. TOP RAILS ANGLE CUT AT END STILES

SECTION 4 - 4

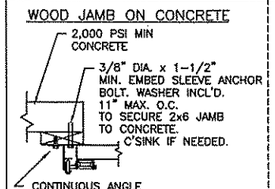


VIEW "D"
6" TALL C-CHANNEL
16 GA. GALV. STEEL
MIN YIELD STRENGTH 50KSI

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) ROOF SLOPE LESS THAN 10', AND 5) 50% SAFETY FACTOR.
IF THESE (5) CONDITIONS ARE NOT MET, A LICENSED ENGINEER SHOULD BE EMPLOYED TO DETERMINE IF THIS PRODUCT MEETS THE REQUIRED WIND SPEED.

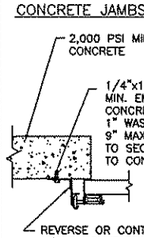
WIND SPEED (MPH)	≤ 110	120	120	130
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	N/A	30'

WOOD JAMB ON CONCRETE

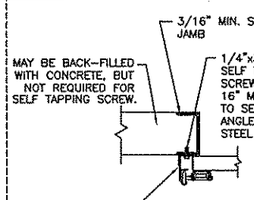


CONCRETE JAMBS

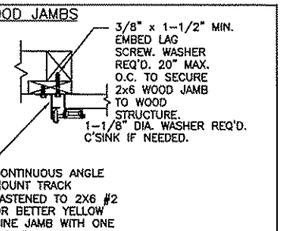
SECTION 5 - 5

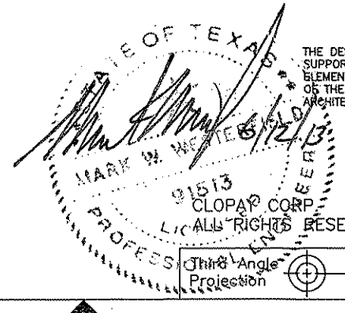


STEEL JAMBS



WOOD JAMBS





THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS IS THE RESPONSIBILITY OF THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

DESIGN ENGINEER: MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513
DESIGN LOADS: +30 & -30 P.S.F.
TEST LOADS +45 & -45 P.S.F.

CLOPAY CORP.
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Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2°
Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

Third Angle Projection

Clopay Building Products Company
8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE: MPC: C-AL-1F499

CLOPAY WINDLOAD RATING W5

DESCRIPTION: M/N 902, C2AL, 22'2" WIDE DES. +30/-30 PSF

DRAWN BY: BFA	DATE: 11/12/04	SCALE: NONE	DWG. SIZE B
CHECKED BY: –	DATE: –	SHEET 1 OF 1	
DWG. NO.: 103324		VER: IBC	