

BRAND	MODEL
CLOPAY	904, 904U*, AX*, AXU*
IDEAL	C4AL, C4ALUM*

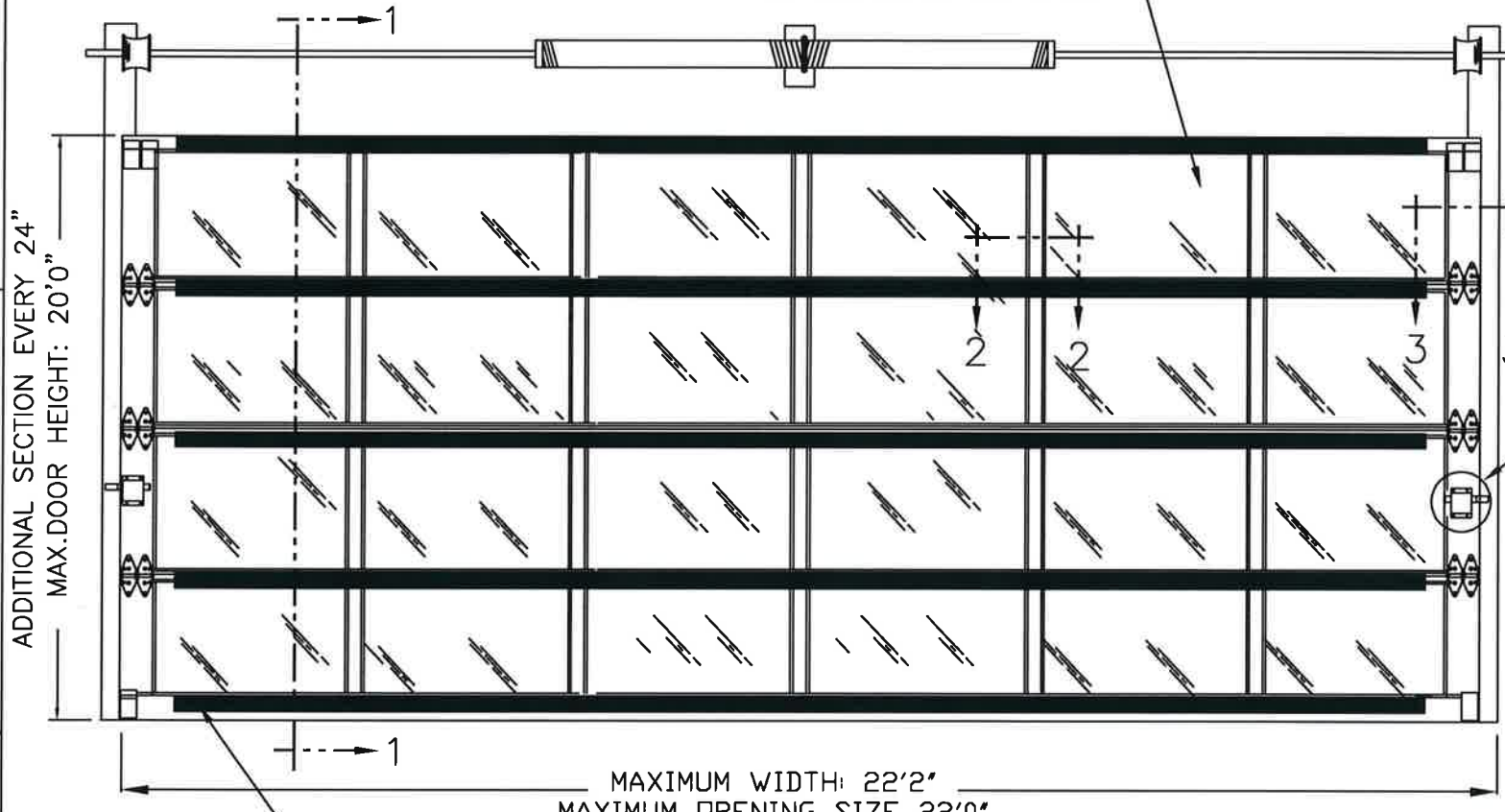
THIS PRODUCT COMPLIES WITH THE 2018 IBC/IRC

SHEET:  
1 OF 2

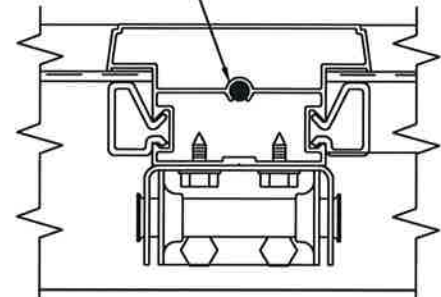
REVISIONS					DESCRIPTION
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	
00	ALL	10/22		JDW	INITIAL RELEASE

\* - MODEL ONLY AVAILABLE TO 20'2" WIDE.

DSB LITES OR BETTER, ANNEALED OR TEMPERED. INSULATED GLAZING SHALL CONSIST OF 2 ANNEALED OR TEMPERED DSB LITES. MAX DLO 35.0" X 19.5".



CENTER STILES FASTENED TO RAILS WITH FULL LENGTH 1/4" DIA. THREADED STEEL RODS AND FLANGE NUTS.



CENTER HINGES ATTACHED TO INTERM. BOTTOM RAIL WITH (2) #14x5/8" SMS AND TO FIN ON INTERM. TOP RAIL WITH (2) 1/4-20x1" HEX HEAD MACHINE SCREWS AND NUTS.

SECTION 2 - 2

SECTIONS PER DOOR HEIGHT	
UP TO 6'0"	3
FROM 6'1" TO 8'0"	4
FROM 8'1" TO 10'0"	5
FROM 10'1" TO 12'0"	6
FROM 12'1" TO 14'0"	7
FROM 14'1" TO 16'0"	8
FROM 16'1" TO 18'0"	9
FROM 18'1" TO 20'0"	10

REINFORCEMENT: 3"x2"x1/4" L-ANGLE 6061 ALUMINUM

3"x2"x1/4" ALUMINUM L-ANGLE ON VERY TOP AND BOTTOM OF DOOR. FOR DOORS 16'3" TO 18'2" WIDE ATTACH WITH (1) 1/4"x1" SELF-TAPPING SCREW AT EACH END, (1) 1/4"x1" SELF-TAPPING SCREW AT EACH INTERMEDIATE STILE LOCATION. FOR DOORS 18'3" TO 22'2" WIDE ATTACH WITH (2) 1/4"x1" SELF-TAPPING SCREWS AT EACH END, (1) 1/4"x1" SELF TAPPING SCREW AT EACH INTERMEDIATE STILE LOCATION AND (1) 1/4"x1" SELF-TAPPING SCREW IN THE MIDDLE OF EACH PANEL.

SECTION 1 - 1

1/8" DSB, TEMPERED, ACRYLIC. OR 1/4" GLAZING, OR 1/2" INSULATED OR INSULATED TEMPERED, 0.050" ALUMINUM PANEL, OR 5/8" TRIPLE WALL POLYGL. EACH PANEL HELD WITH PERIMETER COMPOSITE SNAP-IN BEAD.

3" TRACK LONG STEM ROLLERS WITH PUSHNUTS  
14 GA. ROLLER HINGES ATTACHED WITH (4) #14x5/8" SMS ALONG CENTER OF EACH HINGE AND (4) 1/4"x3/4" SELF TAPPING SCREWS

3"x2"x1/4" L-ANGLE REINFORCEMENT, (1) L-ANGLE ATTACHED TO EACH INTEGRAL TOP RAIL FIN, WITH (2) 1/4"x1" HEX BOLTS AND FLANGE NUTS AT EACH HINGE LOCATION, (1) 3/8" BOLT AND NUT AT EACH END OF THE L-ANGLE. DOORS BETWEEN 18'3" TO 22'2" WIDE ONLY ADD (1) 3/8" BOLT AND NUT IN THE MIDDLE OF EACH PANEL.

BOTTOM ROLLER BRACKET OF 11 GA. GALV. STEEL, FASTENED WITH (4) #14 x 5/8" SHEET METAL SCREWS.

BOTTOM SECTION USES A TEMPERED ALUMINUM EXTRUSION WITH INTEGRAL RETAINER FOR INSTALLATION OF FLEXIBLE VINYL ASTRAGAL.

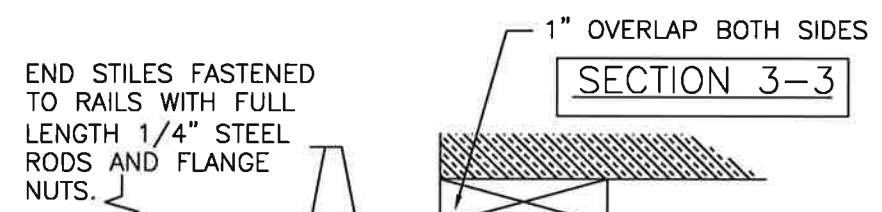
FLEXIBLE VINYL ASTRAGAL.

DESIGN LOADS: +29.7, -33.0 PSF  
TEST LOADS: +44.5, -49.5 PSF

	8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853	CLOPAY WINDLOAD RATING <b>W5</b>	
	DESCRIPTION: M/N 904 22' WIDE +29.7/-33.0 PSF		
DRAWN BY: JDW	DATE: 10/10/22	SCALE:	DWG. SIZE <b>B</b>
CHECKED BY:	DATE:	SHEET 1 OF 2	
DWG. NO.: 105887	VERSION: TDI		

3"x2"x1/4" ALUMINUM L-ANGLES AS SHOWN. ONE L-ANGLE ON TOP OF EACH SECTION PLUS ONE L-ANGLE ON BOTTOM OF DOOR. SEE SECTION 1-1 FOR DETAILS OF ATTACHMENT TO DOOR SECTIONS.

NOTE: DOORS FROM 16'3" TO 20'2" WIDE ARE FIVE PANELS ACROSS. DOOR FROM 20'3" TO 22'2" WIDE ARE SIX PANELS ACROSS (SHOWN).



SECTION 3-3

END STILES FASTENED TO RAILS WITH FULL LENGTH 1/4" STEEL RODS AND FLANGE NUTS.

12 GA. GALV. STEEL TRACK BRACKET FASTENED TO WOOD JAMB WITH ONE 5/16"x1-5/8" WOOD LAG SCREW PER BRACKET.

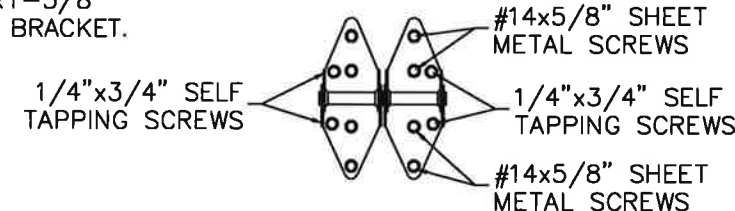
7/16" PUSH-NUT, ONE PER ROLLER.

INTERGAL FIN ON INTER. TOP RAILS NOTCH CUT AT END STILES.

SEE PAGE 2 FOR DIFFERENT JAMB CONFIGURATIONS.

MODEL 904 (6063-T5 ALUMINUM):  
TOP RAIL MIN THK 0.075"  
STD END STILE MIN THK 0.075"  
STD BTM RAIL MIN THK 0.075"  
CENTER STILE PMIN THK 0.075"  
INTER. TOP RAIL MIN THK 0.062" W/ 0.100" FIN  
INTER. BOTTOM RAIL MIN THK 0.062"

14 GAUGE DOUBLE END ROLLER HINGE FASTENERS



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

BRAND	MODEL
CLOPAY	904, 904*, AX*, AXU*
IDEAL	C4AL, C4ALU*

\* - MODEL ONLY AVAILABLE TO 20'2" WIDE.

SHEET:  
2 OF 2

REVISIONS					DESCRIPTION
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	
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**PREPARATION OF JAMBS BY OTHERS**

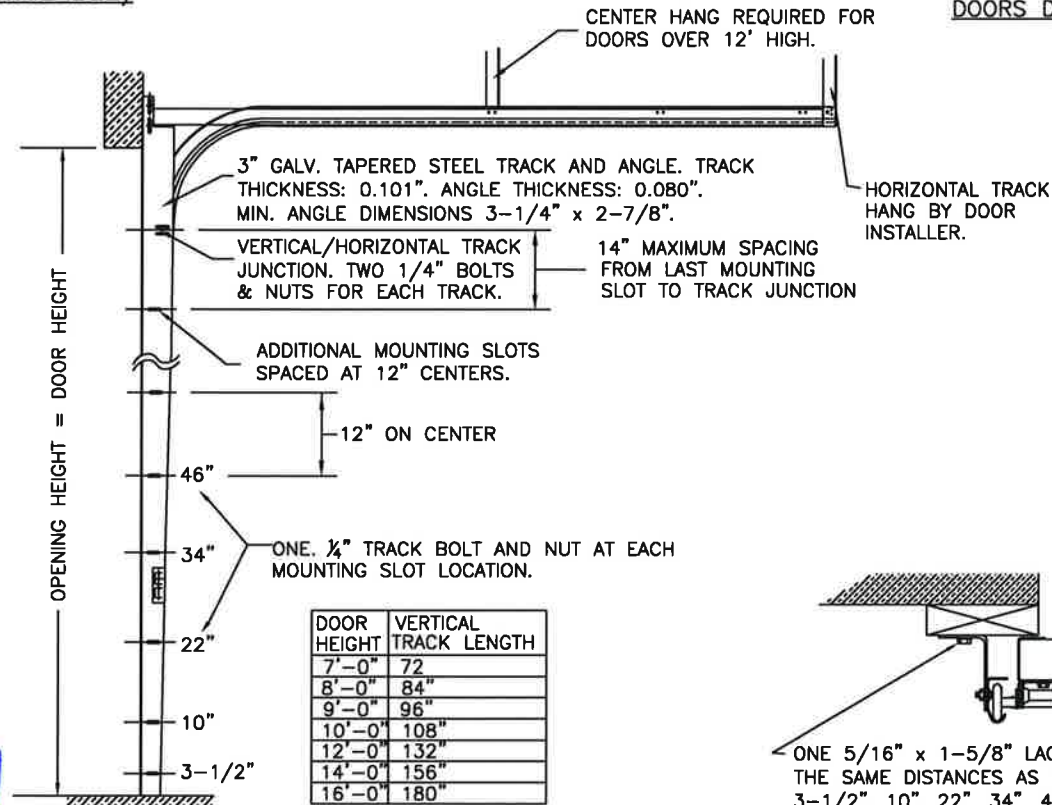
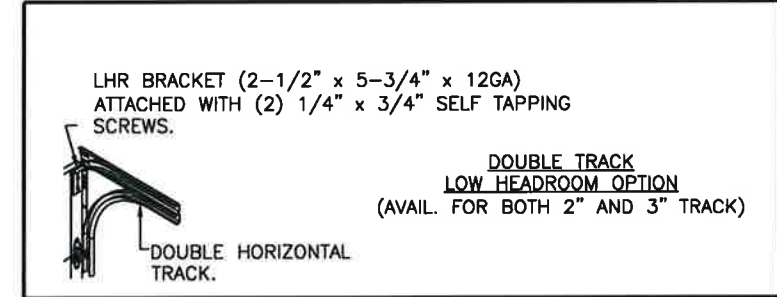
**JAMB NOTE:** FOR JAMB TYPES AND JAMB ATTACHMENT FASTENER INFORMATION (INCLUDING FASTENER TYPE, SIZE AND SPACING) TO THE SUPPORTING STRUCTURE USE DASMA TDS-161. DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

**NOTE:** HORIZONTAL TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR. STANDARD LIFT, LOW HEADROOM, HIGH LIFT, VERTICAL LIFT OR FOLLOW THE ROOF PITCH TRACK IS ALLOWED.

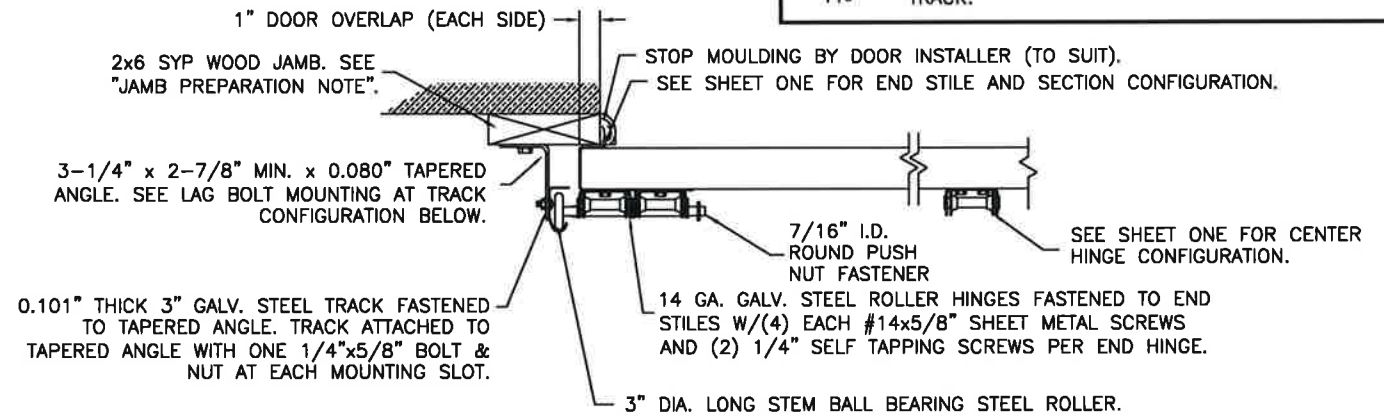
**3" TRACK CONFIGURATION**  
(2" TRACK IS NOT AVAILABLE)

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

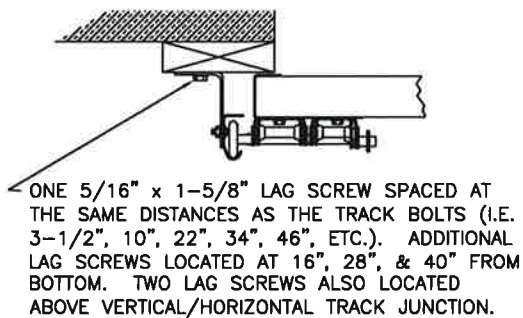
**JAMB CONFIGURATION**  
DOORS DOORS WITH 3" TRACK.



DOOR HEIGHT	VERTICAL TRACK LENGTH
7'-0"	72"
8'-0"	84"
9'-0"	96"
10'-0"	108"
12'-0"	132"
14'-0"	156"
16'-0"	180"



SECTION C-C



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