

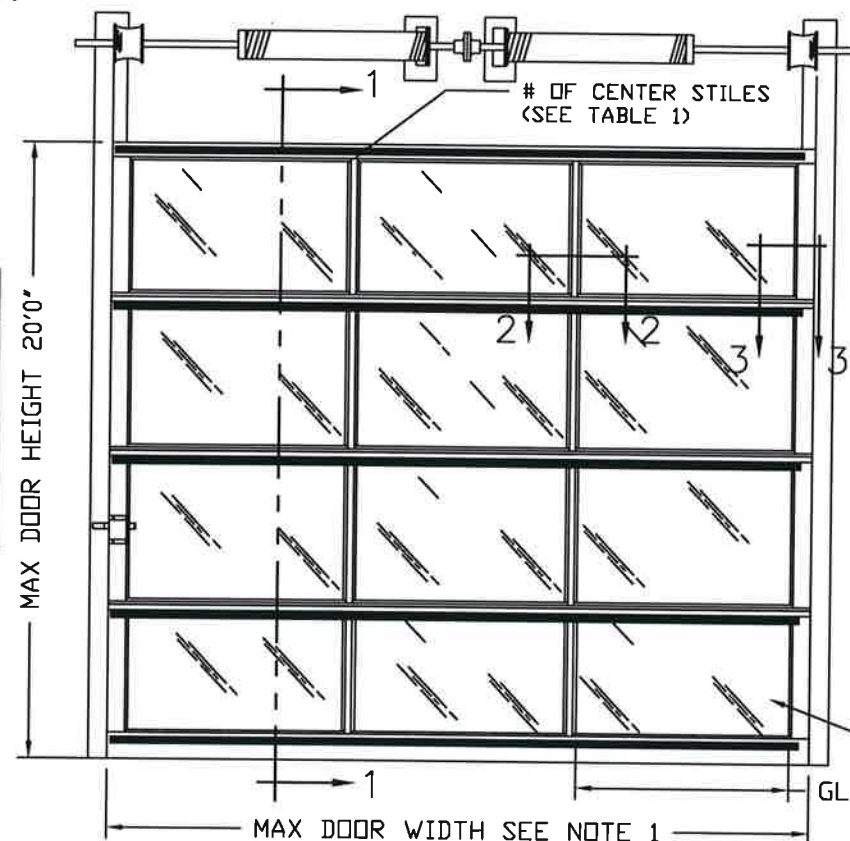
CLOPAY 904, 904U, AX, AXU, EX904, EX904U  
CORNELL EX904L, EX904UL  
COOKSON EX904N, EX904UN  
IDEAL C4AL, C4ALU, M4AL, M4ALU

MADE FROM 6063-T5 ALUMINUM.

TABLE 1

| DOOR WIDTH    | # CENTER STILES |
|---------------|-----------------|
| UP TO 4'8"    | 0               |
| 4'9" - 9'2"   | 1               |
| 9'3" - 13'2"  | 2               |
| 13'3" - 16'2" | 3               |

PAGE 1 OF 2

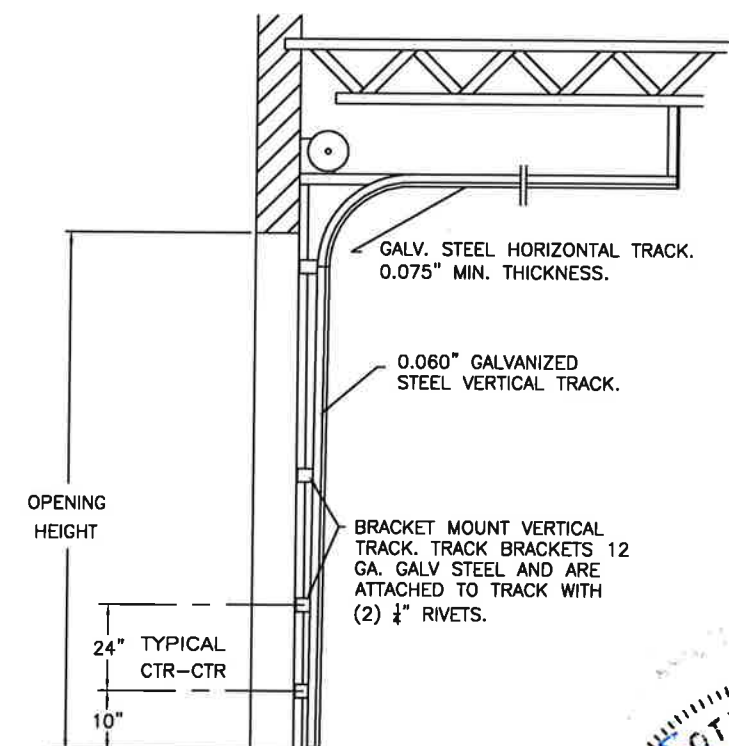


NOTE 1

MAX DOOR WIDTH:  
UP TO 12'2" ALL GLAZING TYPES\*  
12'3"-14'2" LIGHT AND MEDIUM GLAZING\*  
SEE PAGE 2 FOR OTHER DOOR SIZES UP TO 16'2" WIDE  
\*LIGHT GLAZING: 1/8" ACRYLIC/POLYCARBONATE, ANY  
POLYGAL, ALUMINUM SHEET  
MEDIUM GLAZING: 1/8" GLASS, 1/4" ACRYLIC/POLYCARBONATE  
HEAVY GLAZING: 1/4" GLASS, 1/2" INSULATED GLASS,  
LAMINATED GLASS

ALL WIDTH EX MODELS REQUIRE DOUBLE END STILES AND  
TANDEM ROLLERS -- SEE DETAIL A ON SHEET 2.

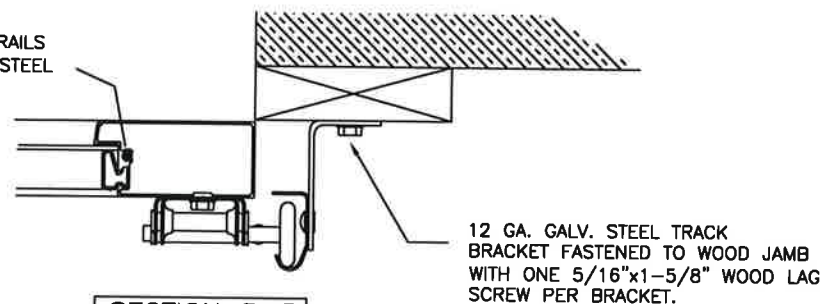
| REVISIONS |       |          |         |        |                                     |
|-----------|-------|----------|---------|--------|-------------------------------------|
| REV. NO.  | ZONE: | DATE:    | ECN NO. | APPVD: | DESCRIPTION                         |
| 00        | -     | 9/30/19  | -       | TBD    | PRELIMINARY                         |
| 01        | -     | 4/20/20  | DR2586  | DSA    | UPDATED DESCRIPTION TO +18, -20 PSF |
| 02        | ALL   | 09/09/21 | ER1405  | SH     | ADDED EX MODELS.                    |



SIDE ELEVATION  
STANDARD-LIFT TRACK DETAILS

NOTE: DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. 2" AND 3" REVERSE ANGLE TRACK ALSO AVAILABLE.

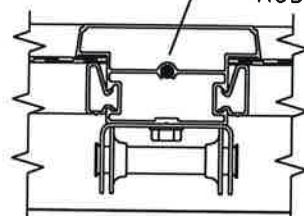
END STILES FASTENED TO RAILS WITH FULL LENGTH 5/16" STEEL RODS AND FLANGE NUTS.



SECTION 3-3

SECTION 2 - 2

CENTER STILES FASTENED TO RAILS WITH FULL LENGTH 5/16" STEEL RODS AND FLANGE NUTS.



14 GAUGE CENTER HINGES ATTACHED TO INTERM. BOTTOM RAIL WITH (4) #14x5/8" SMS.

14 GA. HINGE FASTENERS (CENTER AND ROLLER)

#14x5/8" SHEET METAL SCREWS QTY (4) ALONG CENTER OF EACH HINGE

1-1/4" x 1-1/4" x 1/8" ALUMINUM ANGLE ON TOP SECTION AND BOTTOM OF BOTTOM SECTION ATTACHED WITH (1) 1/4"x3/4" SELF-TAPPING SCREW PER STILE LOCATION.

SECTION 1 - 1

ADJUSTABLE TOP ROLLER BRACKET OF 12 GA. GALV. STEEL FASTENED WITH (4) #14 x 5/8" SHT MTL SCREWS.

1/8" GLAZING ALL PANELS ALL SECTIONS.

STEEL OR NYLON 10B LONG-STEM ROLLERS. EX MODELS REQUIRE TANDEM ROLLERS. SEE DETAIL A.

14 GA. ROLLER HINGES ATTACHED WITH (4) #14x5/8" SMS ALONG CENTER OF EACH HINGE.

MIN. 1-1/4" x 1-1/4" x 1/8" ALUMINUM ANGLE, (1) AT THE TOP OF EACH SECTION AND (1) AT THE BOTTOM OF THE BOTTOM SECTION. ATTACHED TO EACH REINFORCING RIB WITH (2) 1/4" HEX BOLTS AND FLANGE NUTS AT EACH HINGE LOCATION.

BOTTOM ROLLER BRACKET OF 12 GA. GALV. STEEL, FASTENED WITH (4) #14 x 5/8" SHEET METAL SCREWS.

BOTTOM SECTION REINFORCED WITH A TEMPERED ALUMINUM EXTRUSION WITH INTEGRAL RETAINER FOR FLEXIBLE VINYL ASTRAGAL.

FLEXIBLE VINYL ASTRAGAL.

MANUFACTURING PRODUCTION CODE  
C-AL2-1F499

DESIGN PRESSURE: +25.0, -25.0 PSF  
TEST PRESSURE: +37.5, -37.5 PSF

PART NO.: -

CLOPAY WINDLOAD RATING  
W4

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Third Angle Projection

Unless Stated Otherwise  
TOLERANCES are  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2'

Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.

Clopay CORPORATION

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

DESCRIPTION: M/N 904 16' WIDE DES. ±25 PSF

DRAWN BY: D.ASELANIS DATE: 9/30/19

CHECKED BY: SH DATE: CHKD\_DT

DWG. NO.: 105581

SCALE: NTS

SHEET 1 OF 2

REV. NO. 02

DWG. SIZE B

PAGE 2 OF 2

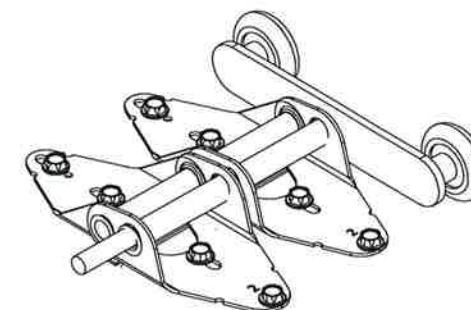
| REVISIONS |      |      |         |        |                                   |
|-----------|------|------|---------|--------|-----------------------------------|
| REV. NO.  | ZONE | DATE | ECN NO. | APPVD. | DESCRIPTION                       |
| 02        | -    | -    | -       | -      | SEE SHEET 1 FOR REVISION HISTORY. |

FOR DOORS:  
12'3"-16'2" WITH HEAVY GLAZING  
14'3"-16'2" ALL OTHER GLAZING TYPES

ALL WIDTH EX MODELS REQUIRE DOUBLE END STILES  
AND TANDEM ROLLERS -- SEE DETAIL A.

#### DETAIL A

EX MODELS REQUIRE  
TANDEM ROLLERS AND  
DOUBLE END HINGES.  
TOP AND BOTTOM  
ROLLERS ARE LONG STEM  
SINGLE SHAFT.



1-1/4" x 1-1/4" x 1/8"  
ALUMINUM ANGLE ON TOP  
SECTION AND BOTTOM OF  
BOTTOM SECTION ATTACHED  
WITH (1) 1/4"x3/4"  
SELF-TAPPING SCREW PER  
STILE LOCATION.

#### SECTION 1 - 1

ADJUSTABLE TOP ROLLER  
BRACKET OF 12 GA. GALV.  
STEEL FASTENED WITH (4)  
#14 x 5/8" SHT MTL  
SCREWS.

1/8T GLAZING ALL PANELS  
ALL SECTIONS.

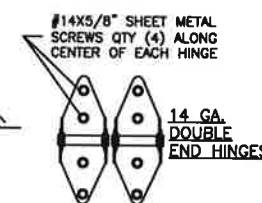
STEEL OR NYLON 10B  
LONG-STEM ROLLERS. EX  
MODELS REQUIRE TANDEM  
ROLLERS. SEE DETAIL A.

14 GA. ROLLER HINGES  
ATTACHED WITH (4)  
#14x5/8" SMS ALONG  
CENTER OF EACH HINGE.

MIN. 1-1/4" x 1-1/4" x 1/8"  
ALUMINUM ANGLE, (1) AT THE TOP  
OF EACH SECTION AND (1) AT THE  
BOTTOM OF THE BOTTOM SECTION.  
ATTACHED TO EACH REINFORCING  
RIB WITH (2) 1/4" HEX BOLTS  
AND FLANGE NUTS AT EACH HINGE  
LOCATION.

BOTTOM ROLLER BRACKET  
OF 12 GA. GALV. STEEL,  
FASTENED WITH (4) #14 x  
5/8" SHEET METAL  
SCREWS.

BOTTOM SECTION REINFORCED  
WITH A TEMPERED ALUMINUM  
EXTRUSION WITH INTEGRAL  
RETAINER FOR FLEXIBLE  
VINYL ASTRAGAL.



#14x5/8" SHEET METAL  
SCREWS QTY (4) ALONG  
CENTER OF EACH HINGE

14 GA.  
DOUBLE  
END HINGES

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.

END STILES FASTENED TO RAILS  
WITH FULL LENGTH 5/16" STEEL  
RODS AND FLANGE NUTS.

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

#### SECTION 3-3

#### SECTION 2 - 2

CENTER STILES FASTENED TO RAILS  
WITH FULL LENGTH 5/16" STEEL  
RODS AND FLANGE NUTS.

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

FLEXIBLE VINYL ASTRAGAL.

DESIGN PRESSURE: +25.0, -25.0 PSF  
TEST PRESSURE: +37.5, -37.5 PSF

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for any damages and losses  
resulting therefrom.

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.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
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PART NO.: -

CLOPAY WINDLOAD RATING  
W4

DESCRIPTION: M/N 904 16' WIDE DES. ±25 PSF

DRAWN BY: D.ASSELANIS DATE: 9/30/19 SCALE: NTS DWG. B

CHECKED BY: SH DATE: CHKD\_DT SHEET 2 OF 2

DWG. NO.: 105581 REV. NO. 02

SIDE ELEVATION  
STANDARD-LIFT TRACK DETAILS



DESIGNER  
SCOTT HAMILTON P.E.  
FLORIDA LICENSE No. 63286