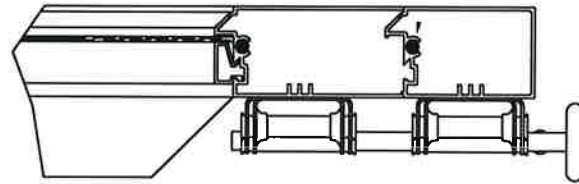


CLOPAY MODEL 902, 903
IDEAL MODEL C2AL, C3AL

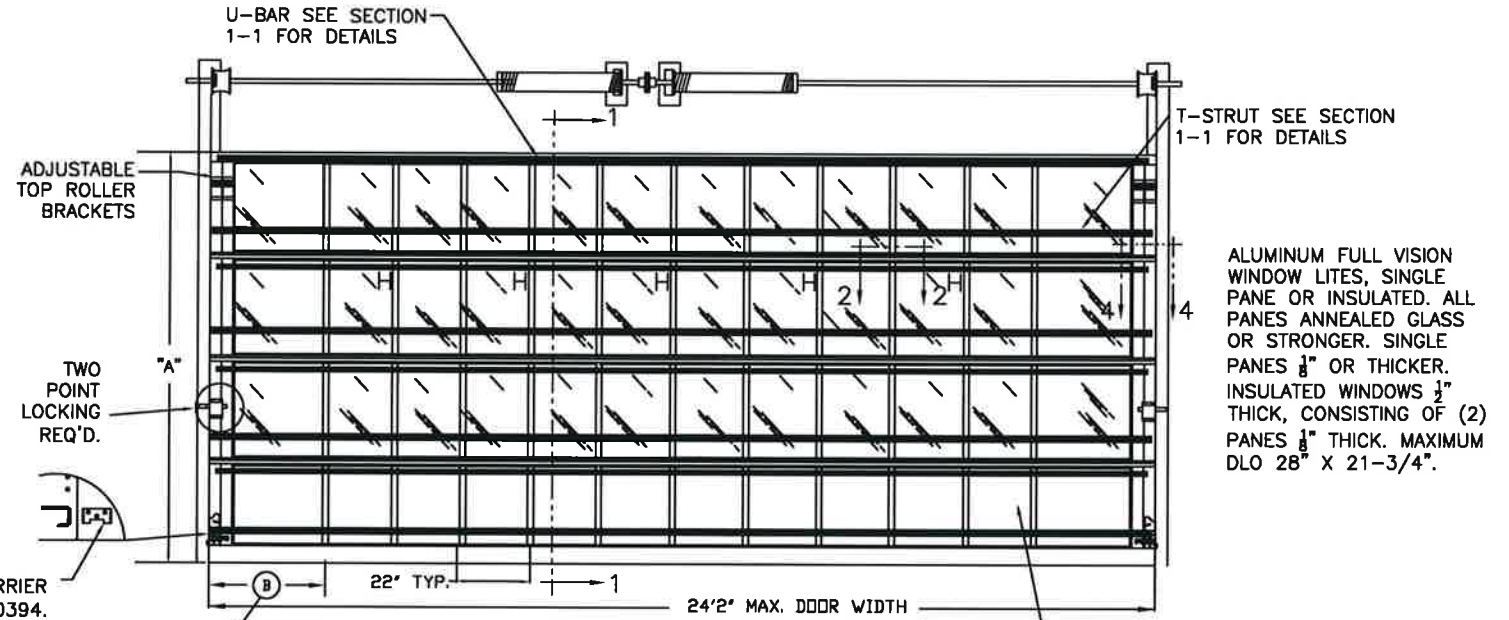
THIS PRODUCT COMPLIES
WITH THE 2018 IBC/IRC.

DOOR IS MADE
OF 6063-T5 ALUMINUM EXTRUSIONS.
WALL THICKNESS:
TOP RAIL _____ .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
HD BTM RAIL _____ .179



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

SECTION 4 - 4



3" ROLLER CARRIER
PART # 0120394.
MOUNT WITH QTY 3
SELF DRILLING
SCREWS AS SHOWN

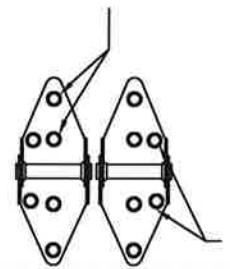
NOTE:
CENTER STILES ALWAYS 22"
FROM CENTER TO CENTER. FOR
ANY GIVEN DOOR WIDTH,
DIMENSION 'B' IS THE LEFTOVER
DIMENSION ON BOTH SIDES OF
THE DOOR. THE MAXIMUM
TESTED FULL VISION PANEL SIZE
IS 23" X 24". 903 AND C3AL
DOORS HAVE EQUAL SPACES
BETWEEN ALL STILES.

NOTE:
STILES MARKED WITH H
ARE HINGE LOCATIONS.

PANEL IN BOTTOM
SECTION CAN BE .050"
THICK SMOOTH ALUMINUM.

ALUMINUM FULL VISION
WINDOW LITES, SINGLE
PANE OR INSULATED. ALL
PANES ANNEALED GLASS
OR STRONGER. SINGLE
PANES 1/4" OR THICKER.
INSULATED WINDOWS 1/2"
THICK, CONSISTING OF (2)
PANES 1/8" THICK. MAXIMUM
DLO 28" X 21-3/4".

#14x5/8" SHEET METAL SCREWS



1/4"x3/4" SELF
TAPPING SCREWS.

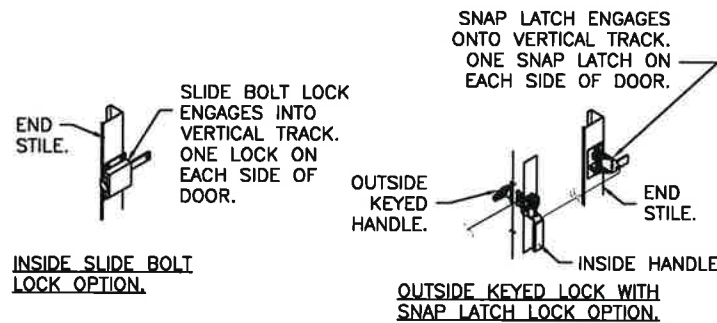
14 GA. END HINGES

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

DOOR WIDTH	NUMBER OF CENTER STILES	NUMBER OF HINGES
20'-3" THRU 24'-2"	11	5

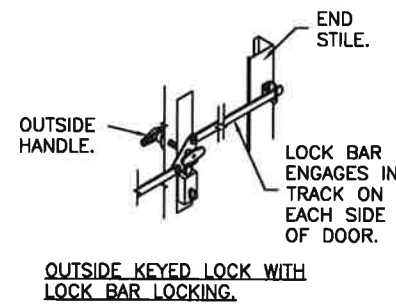
DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9

MAX. SECTION HEIGHT: 24"



INSIDE SLIDE BOLT
LOCK OPTION.

OUTSIDE KEYED LOCK WITH
SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH
LOCK BAR LOCKING.



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

DESIGN LOADS: +25 & -25 P.S.F.
TEST LOADS +37.5 & -37.5 P.S.F.

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

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

Glopay
CORPORATION

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

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

PART NO.: N/A

CLOPAY WINDLOAD RATING
W4

DESCRIPTION: M/N 902, C2AL, 24'2" WIDE DES. +25/-25 PSF

DRAWN BY: RJH

DATE: 2/7/17

SCALE: NTS

DWG. B

CHECKED BY: -

DATE: -

SHEET 1 OF 3

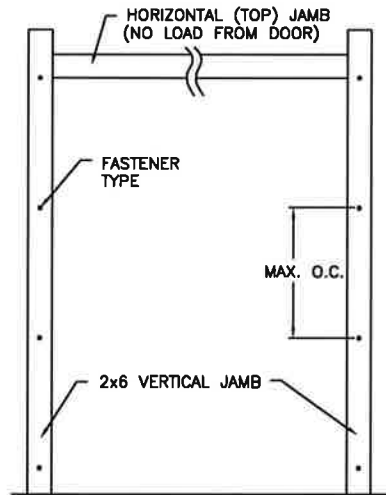
SIZE B

DWG. NO.: 105199

VER: TDI

CLOPAY MODEL 902, 903
IDEAL MODEL C2AL, C3AL

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD.	DESCRIPTION
01	-	-	-	-	SEE REVISION HISTORY ON SHEET 1



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. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +300 LB & -300 LB. PER LINEAR FOOT OF JAMB.
3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE OR BLOCK WALLS. ANCHORS CAN BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMBS.

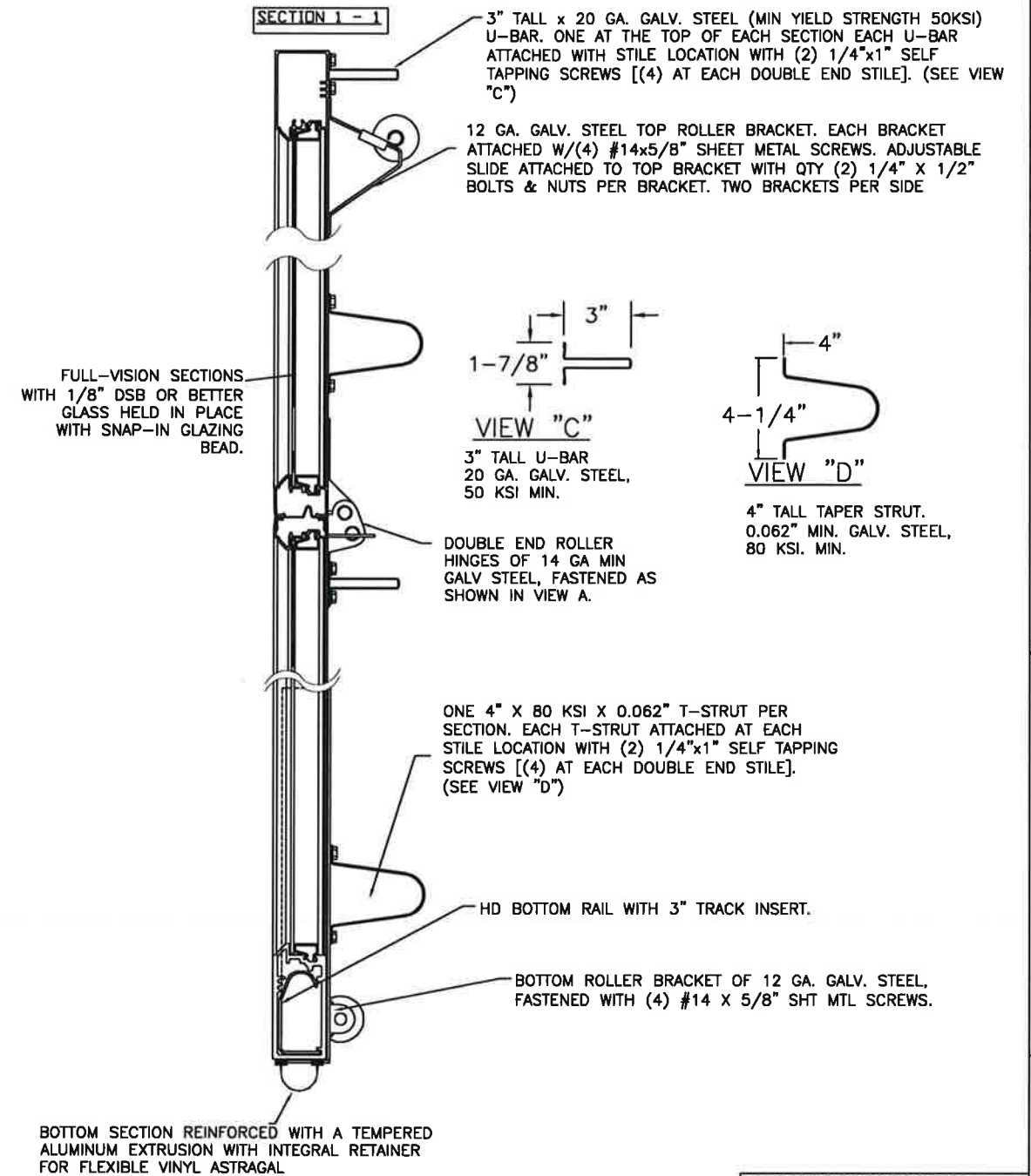
FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	5-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	9"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	8"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	7-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	16-3/4"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	18"	1" O.D.
#4GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	7-1/2"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	13-1/4"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	15-3/4"	1" O.D.

* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
 * CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.
 MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.

MARK WESTERFIELD
 5/31/2013
 MECHANICAL ENGINEER

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



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

DESIGN LOADS: +25 & -25 P.S.F.
 TEST LOADS +37.5 & -37.5 P.S.F.

Unless Stated Otherwise
TOLERANCES are
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 .00 = ±.015
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 Unless Stated Otherwise
 DIMENSIONS ARE IN INCHES.

	8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853	MANUFACTURING PRODUCT CODE: MPC1 C-AL-1F499
	PART NO.: N/A CLOPAY WINDLOAD RATING W4	
DESCRIPTION: M/N 902, C2AL, 24'2" WIDE DES. +25/-25 PSF		
DRAWN BY: RJH CHECKED BY: - DWG. NO.: 105199	DATE: 2/7/17 DATE: -	SCALE: NTS SHEET 2 OF 3 VER: TDI

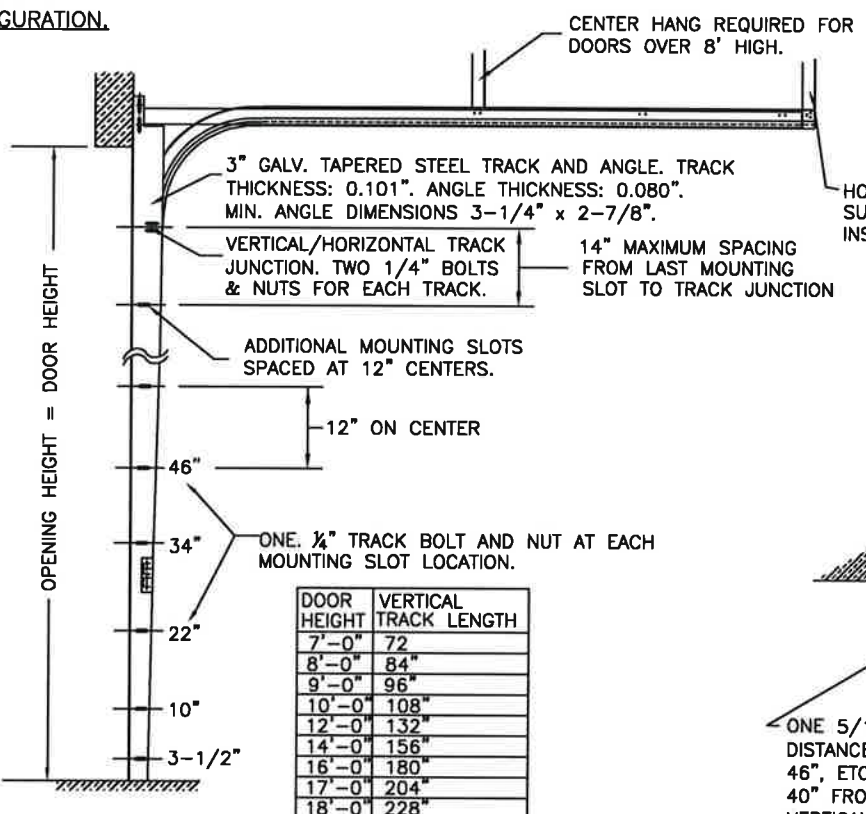
DWG. SIZE **B**

CLOPAY MODEL 902, 903
IDEAL MODEL C2AL, C3AL

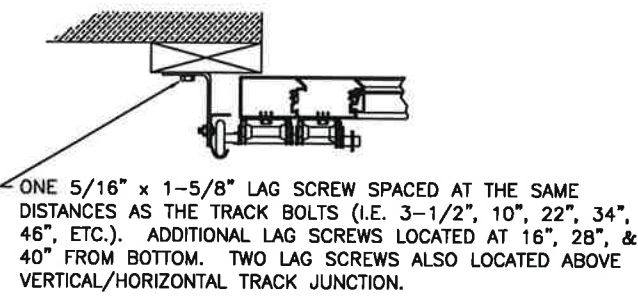
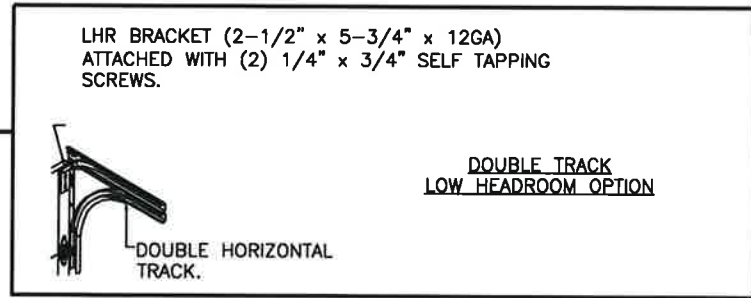
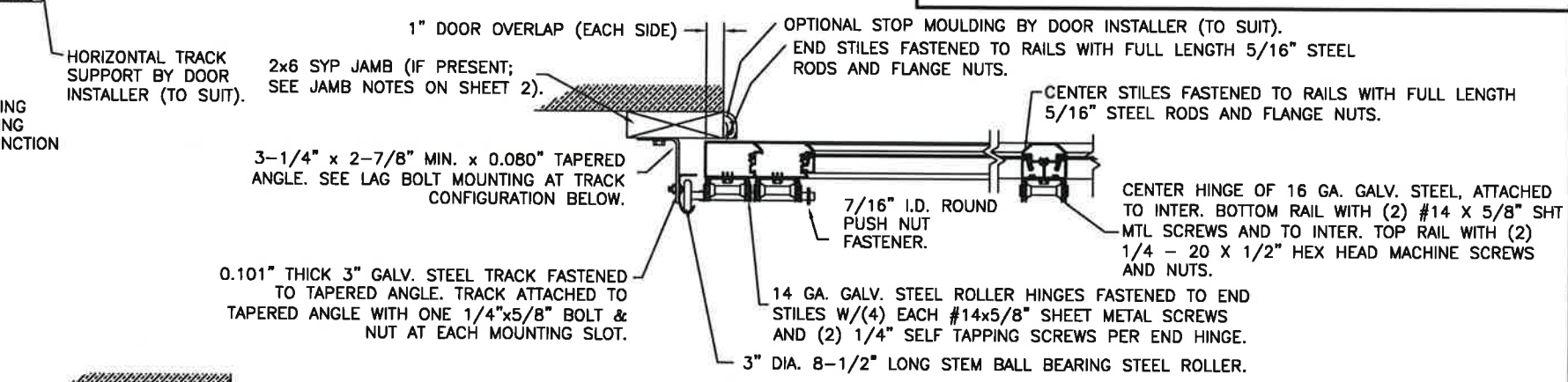
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
01	-	-	-	-	SEE REVISION HISTORY ON SHEET 1

3" TRACK CONFIGURATION.

NOTE DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



JAMB CONFIGURATION FOR DOORS WITH 3" TRACK.



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.
DESIGN LOADS: +25 & -25 P.S.F.
TEST LOADS +37.5 & -37.5 P.S.F.

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

Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

Glopay CORPORATION
8585 Duke Boulevard
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DESCRIPTION: M/N 902, C2AL, 24'2" WIDE DES. +25/-25 PSF

DRAWN BY: RJH DATE: 2/7/17 SCALE: NTS DWG. B

CHECKED BY: - DATE: - SHEET 3 OF 3

DWG. NO.: 105199 VER: TDI

MANUFACTURING PRODUCT CODE: MPC: C-AL-1F499
PART NO.: N/A
CLOPAY WINDLOAD RATING W4

STATE OF TEXAS
MARK WESTERFIELD
5/31/22

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