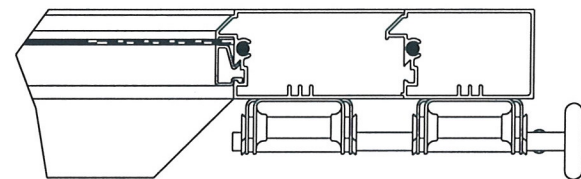


CLOPAY MODEL 902, 903
IDEAL MODEL C2AL, C3AL

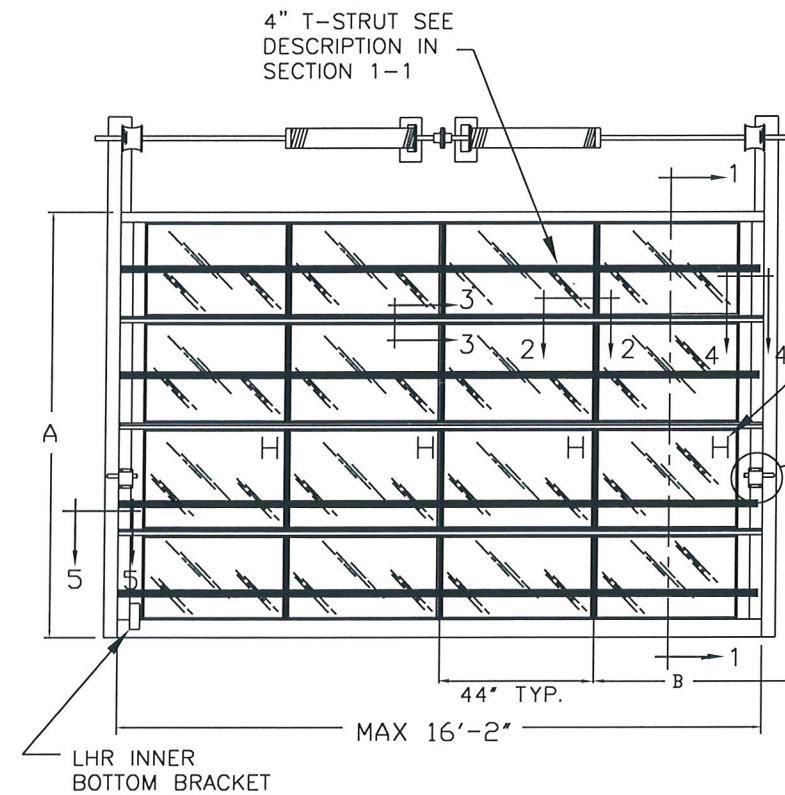
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	2/3/17	-	-	INITIAL RELEASE

MODEL 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



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

SECTION 4 - 4

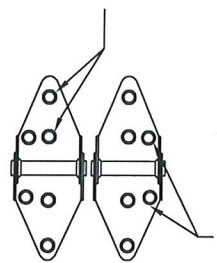


NOTE: STILES MARKED WITH H ARE HINGE LOCATIONS.

TWO POINT LOCKING

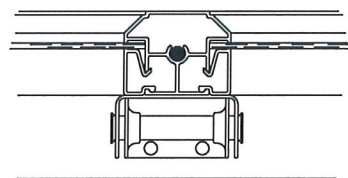
NOTE: CENTER STILES ARE ALWAYS 44" FROM CENTER TO CENTER FOR ANY GIVEN DOOR WIDTH. DIMENSION 'B' IS THE LEFTOVER DIMENSION ON BOTH ENDS OF THE DOOR. 903 AND C3AL DOORS HAVE EQUAL SPACES BETWEEN ALL STILES.

#14x5/8" SHEET METAL SCREWS



14 GA. END HINGES

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



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

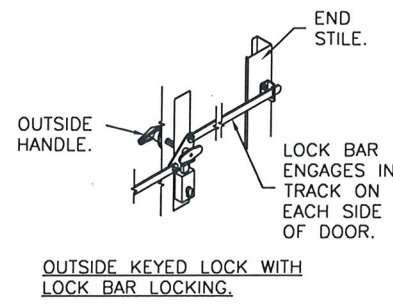
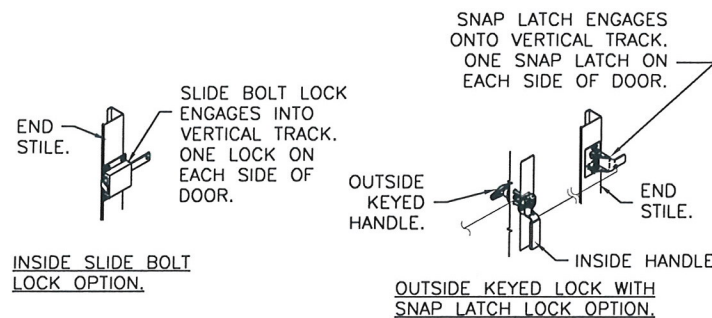
DOOR WIDTH	NUMBER OF CENTER STILES/HINGES
12'-3" THRU 13'-2"	2
13'-3" THRU 16'-2"	3

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"



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



DESIGN LOADS: +32 & -32 P.S.F.
TEST LOADS +48 & -48 P.S.F.

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

Clopay
Building Products Company

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

MPC: C-AL-1F499

WINDLOAD RATING
W5

DESCRIPTION: M/N 902 / C2AL +32PSF DES LOAD

DRAWN BY: RJH	DATE: 2/3/17	SCALE: N/A	DWG. SIZE B
CHECKED BY: -	DATE: -	SHEET 1 OF 4	

DWG. NO.: 105043

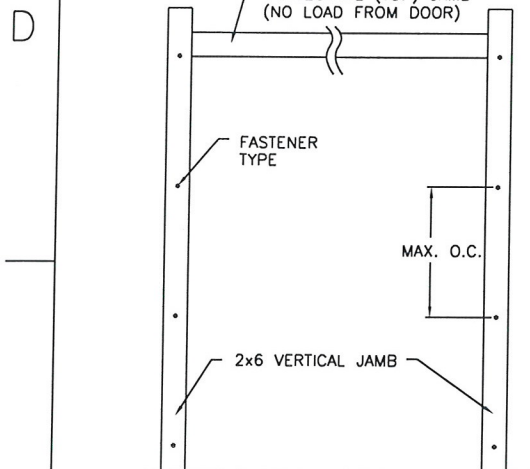


Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

CLOPAY MODEL 902, 903
IDEAL MODEL C2AL, C3AL

REVISIONS

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



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

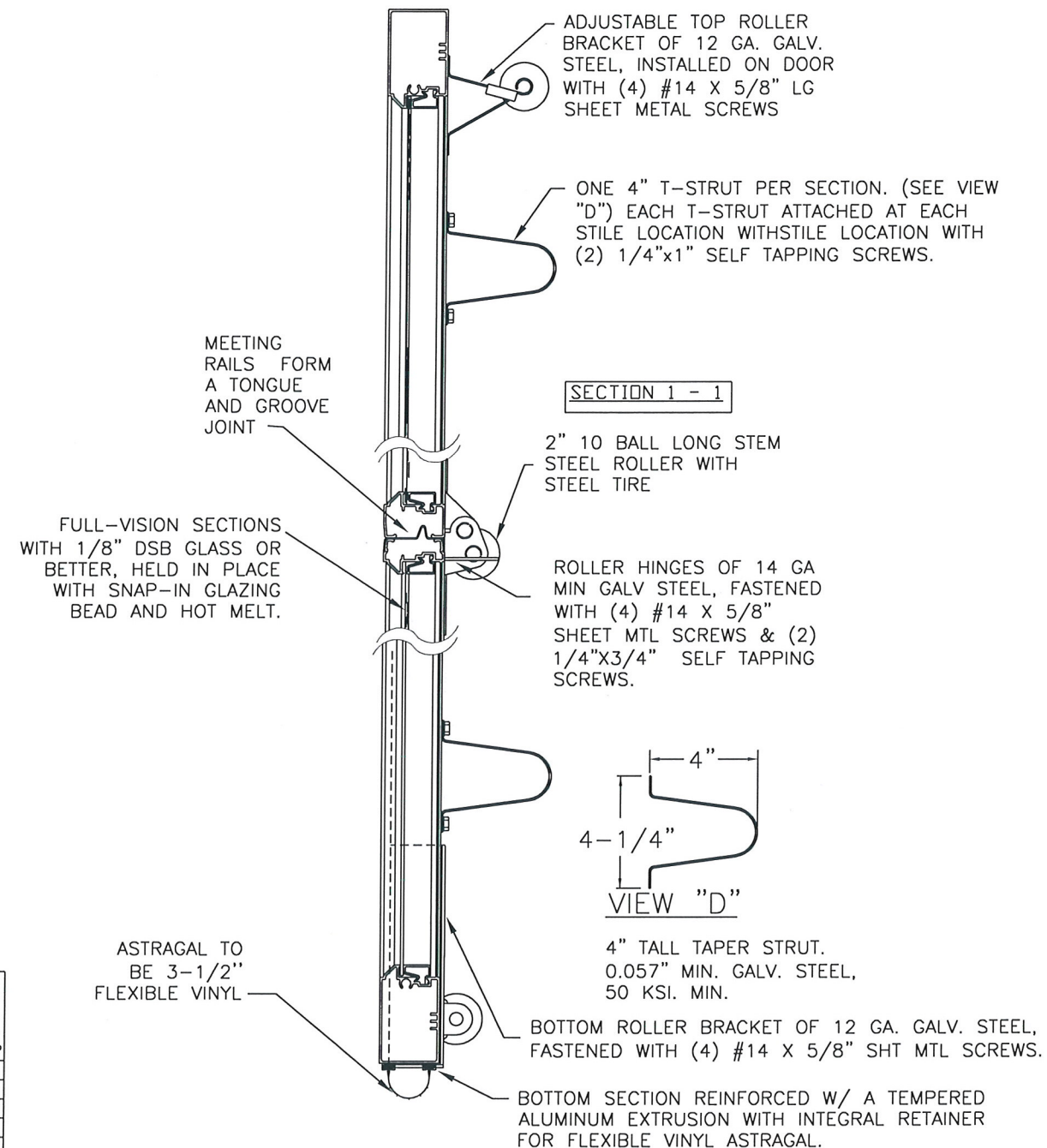
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +256 LB & -256 LB. PER LINEAR FOOT OF JAMB.
3. ALL 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	6-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	10-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	8-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	19-1/2"	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	21"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	9"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	15-1/2"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	18-1/2"	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.



DESIGN LOADS: +32 & -32 P.S.F.
TEST LOADS +48 & -48 P.S.F.

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.00 = ±.015
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Degrees = ±1/2"

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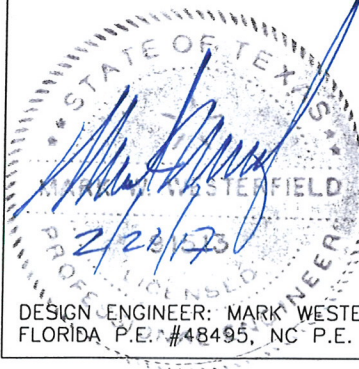
MPC: C-AL-1F499

WINDLOAD RATING
W5

DESCRIPTION: M/N 902 / C2AL +32PSF DES LOAD

DRAWN BY: RJH	DATE: 2/3/17	SCALE: N/A	DWG. SIZE: B
CHECKED BY: -	DATE: -	SHEET 2 OF 4	

DWG. NO.: 105043



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



Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

CLOPAY MODEL 902, 903
IDEAL MODEL C2AL, C3AL

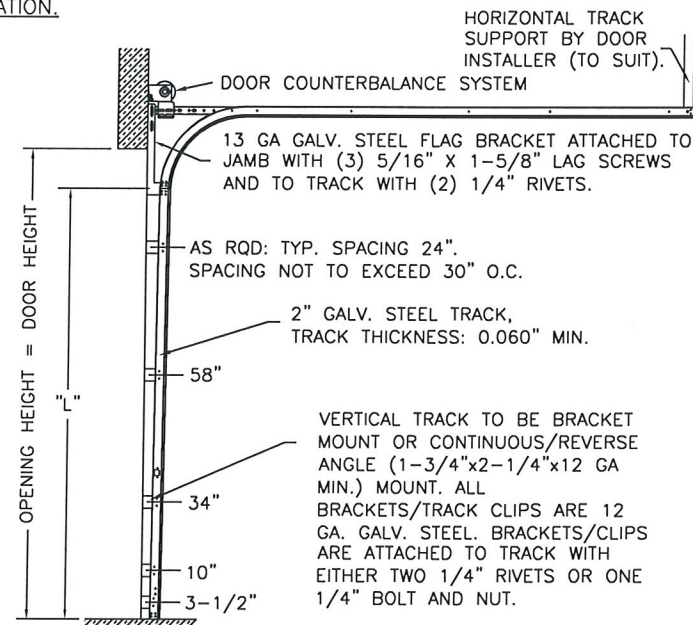
REVISIONS

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

ANGLE MOUNT JAMB CONFIGURATION

2" TRACK CONFIGURATION.

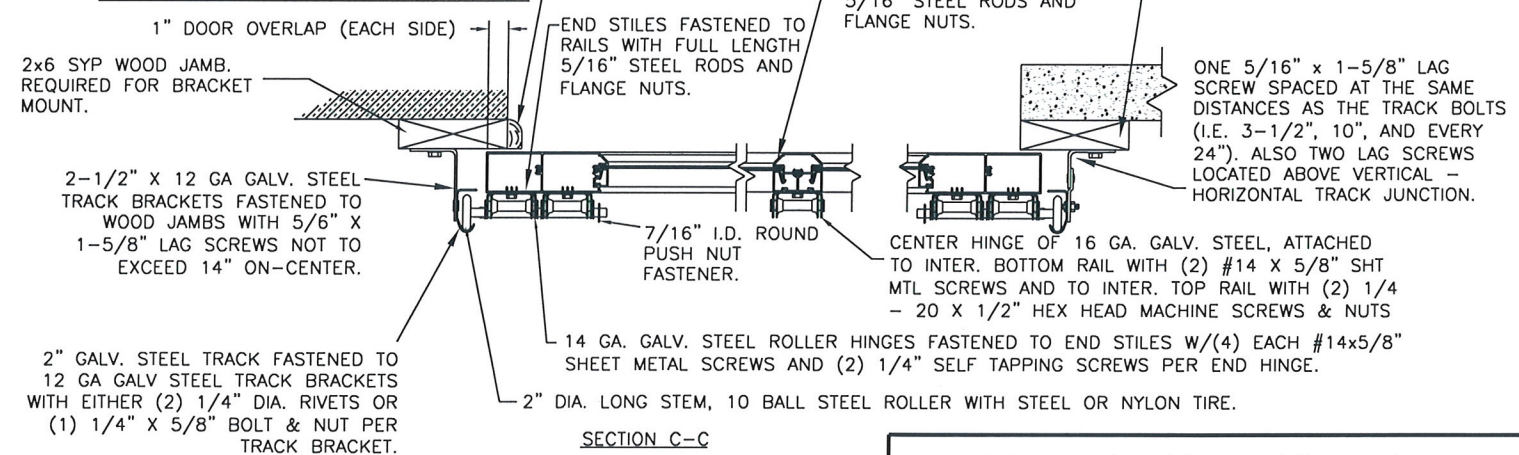
NOTE DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



DOOR HEIGHT "L"	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

JAMB CONFIGURATION FOR 2" TRACK.

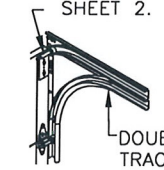
BRACKET MOUNT JAMB CONFIGURATION



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.

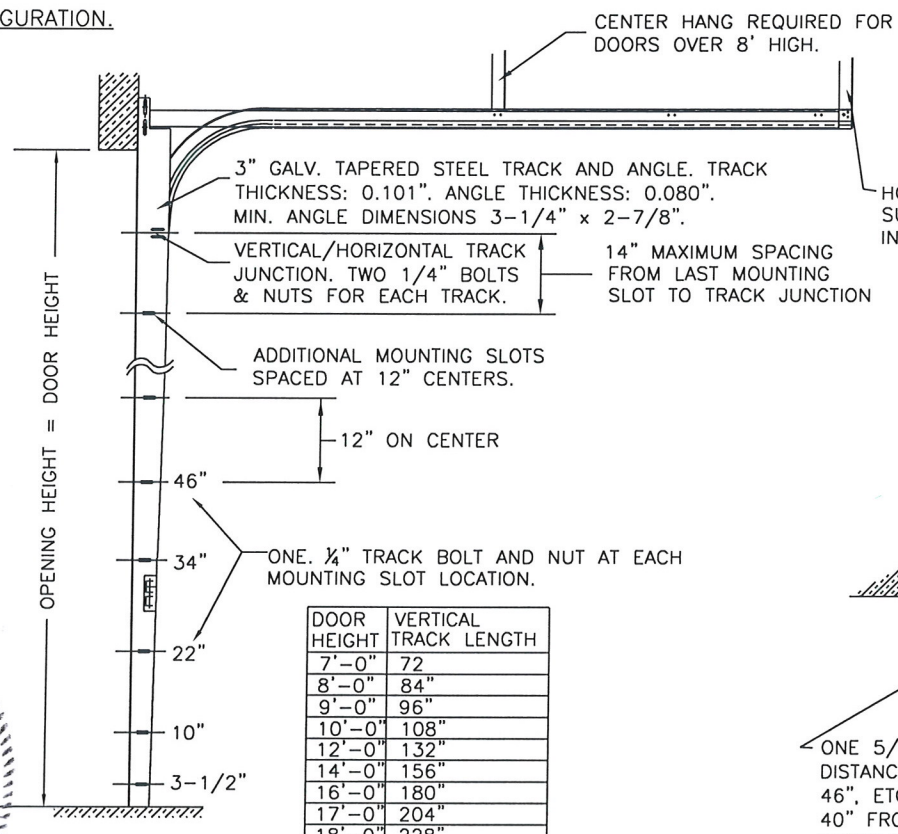
LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS. NOTE THAT LHR BRACKETS ARE ALSO USED WITH "DOUBLE END STILE" AS NOTED ON SHEET 2.

DOUBLE TRACK LOW HEADROOM OPTION (AVAIL. FOR BOTH 2" AND 3" TRACK)



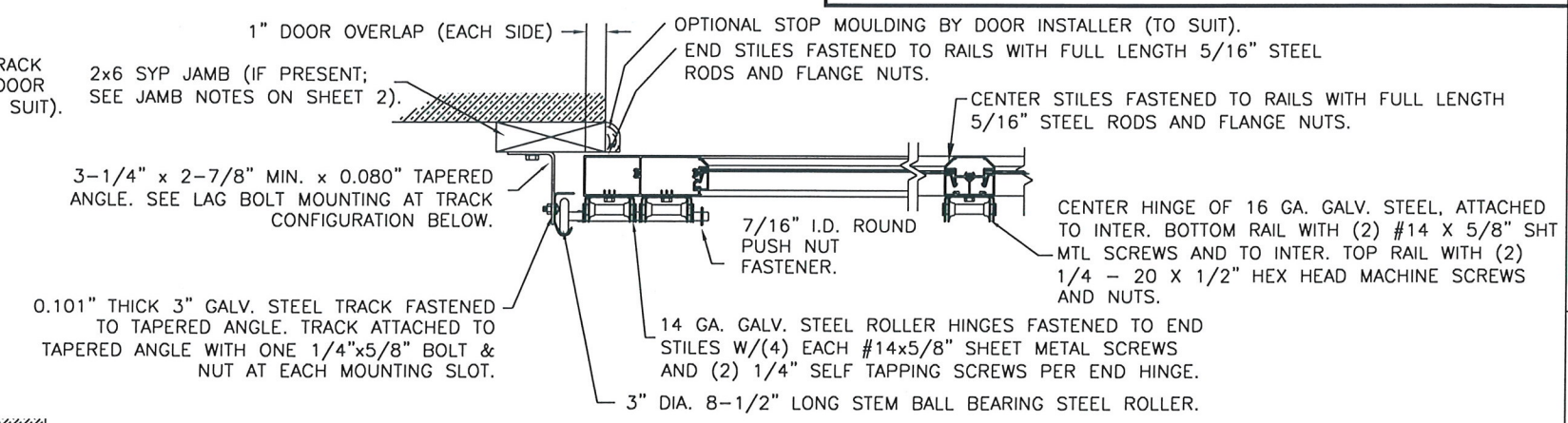
3" TRACK CONFIGURATION.

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.



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"
17'-0"	204"
18'-0"	228"

JAMB CONFIGURATION FOR DOORS WITH 3" TRACK.



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.

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TEST LOADS +48 & -48 P.S.F.

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MPC: C-AL-1F499

WINDLOAD RATING
W5

DESCRIPTION: M/N 902 / C2AL +32PSF DES LOAD

DRAWN BY: RJH DATE: 2/3/17 SCALE: N/A DWG. B
CHECKED BY: - DATE: - SHEET 3 OF 4 SIZE

DWG. NO.: 105043

STATE OF TEXAS
MARK W. WESTERFIELD
2/21/17
91513
DESIGN ENGINEER, MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513



Unless Stated Otherwise DIMENSIONS ARE IN INCHES.