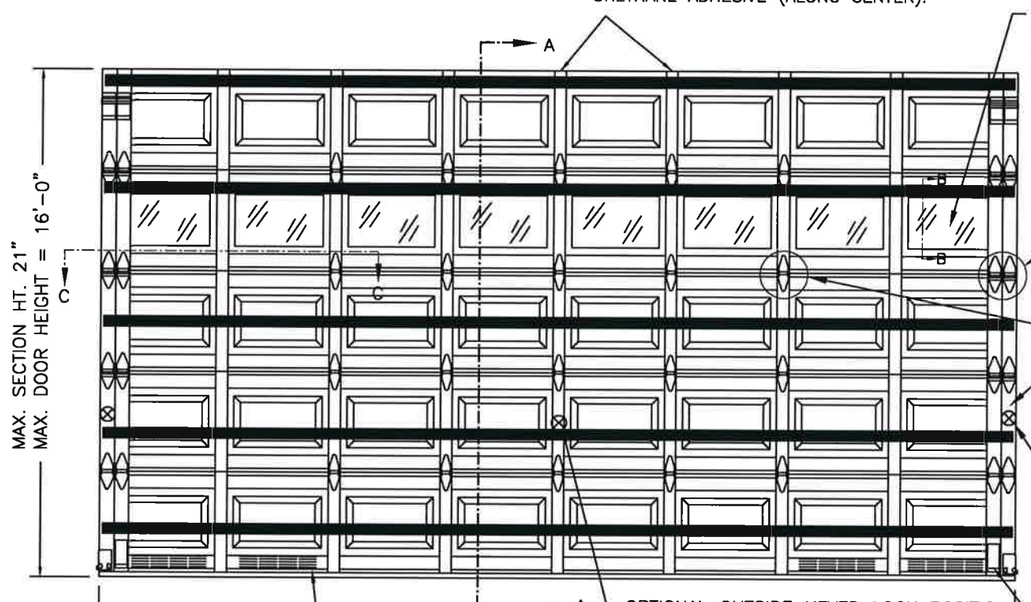
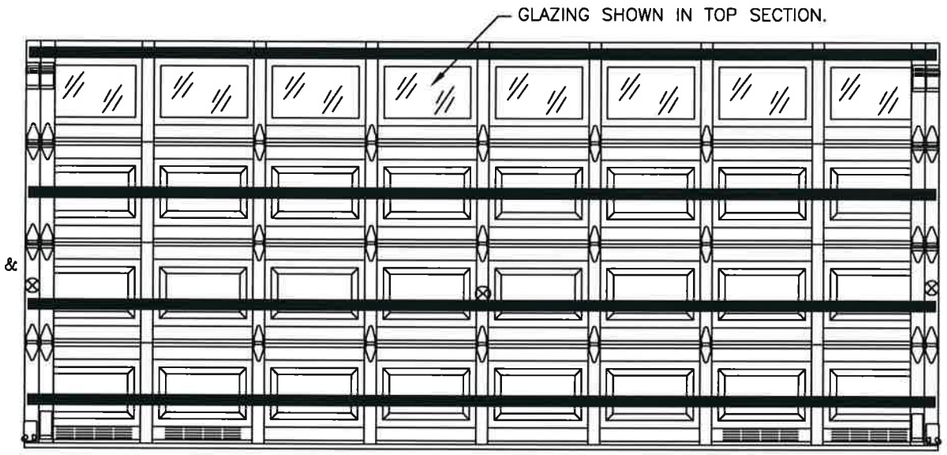
MODELS	24 GA SHORT	24 GA FLUSH
CLOPAY	84A, 94	98
HOLMES	48, 48B	--
IDEAL	4RST	4F

SHEET: 1 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
07	–	07/2021	–	JDW	UPDATED TITLE BLOCK AND ADDED COMPLIANCE STATEMENT.

THIS PRODUCT COMPLIES WITH THE 2018 IBC/IRC.

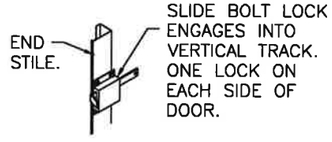




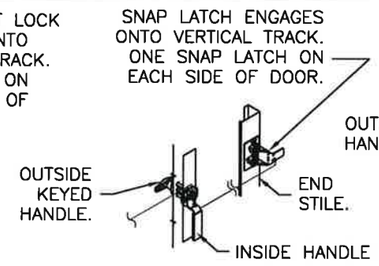
DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21"	

'CLASSIC' RAISED PANEL EMBOSS DOORS		
DOOR WIDTH	# OF INTERM. STILES	# OF INTERM. HINGES
9'2" TO 9'10"	3	3
10'0" TO 11'10"	4	4
12'0" TO 13'10"	5	3
14'0" TO 15'10"	6	4
16'0" TO 16'2"	7	5

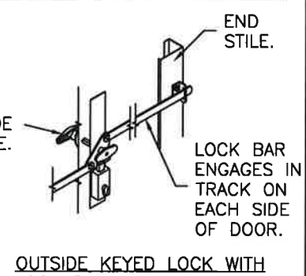
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
DOOR WIDTH	# OF INTERM. STILES	# OF INTERM. HINGES
9'2" TO 10'0"	3	3
10'2" TO 11'4"	N/A	N/A
11'6" TO 13'10"	5	4
14'0" TO 16'0"	7	5



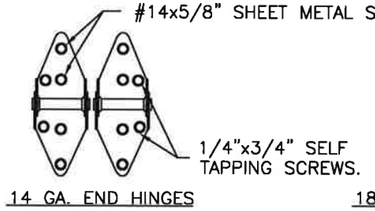
INSIDE SLIDE BOLT LOCK OPTION.



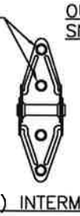
OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.



14 GA. END HINGES
VIEW "B"



18 GA. (MIN.) INTERMEDIATE HINGE
VIEW "C"

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & -63.0 P.S.F.

STATE OF TEXAS
MARK WESTERFIELD
91513
LICENSED PROFESSIONAL ENGINEER
7/21/21

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

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

MANUFACTURING PRODUCT CODE: PAN-2F143
PART NO.: N/A
WINDLOAD RATING: W6 DP38T
DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)
DRAWN BY: SH DATE: 11/19/12
CHECKED BY: SH DATE: 11/20/12
DWG. NO.: 104753
SCALE: NTS
SHEET 1 OF 4
DWG. SIZE B
VER: TDI

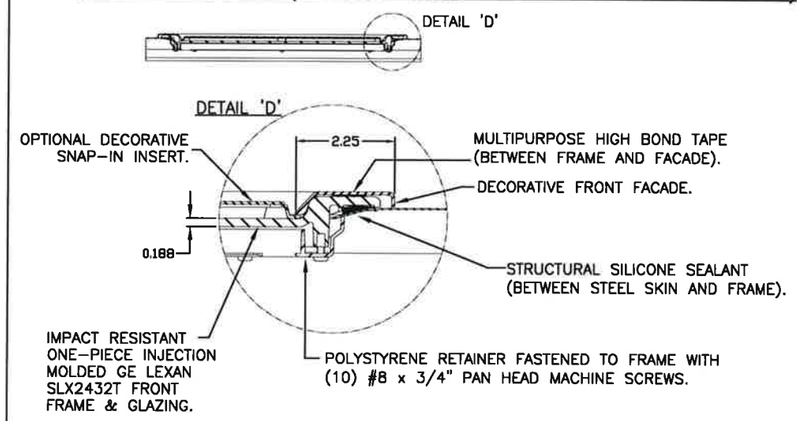
MODELS	24 GA SHORT	24 GA FLUSH
CLOPAY	84A, 94	98
HOLMES	48, 48B	--
IDEAL	4RST	4F

SHEET 2 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
07	–	–	–	–	SEE REVISION HISTORY ON SHEET ONE.

IMPACT–RESISTANT CONSTRUCTION:
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT–RESISTANT GLAZING ARE IMPACT–RESISTANT. OPTIONAL INJECTION–MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612.
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE– AND SMALL–MISSILE IMPACT RESISTANT.

SECTION B–B (IMPACT–RESISTANT GLAZING OPTION)



IMPACT–RESISTANT ASSEMBLY DETAILS
DRAWING 104753

STATE OF TEXAS
MARK WESTERFIELD
91513
LICENSED PROFESSIONAL ENGINEER
7/21/21

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

DESIGN LOADS: +38.0 P.S.F. & –42.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & –63.0 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.

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

MANUFACTURING PRODUCT CODE: PAN–2F143
PART NO.: N/A
WINDLOAD RATING: W6 DP38T
DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)
DRAWN BY: SH | DATE: 11/19/12 | SCALE: NTS | DWG. SIZE B
CHECKED BY: SH | DATE: 11/20/12 | SHEET 2 OF 4
DWG. NO.: 104753 | VER: TDI

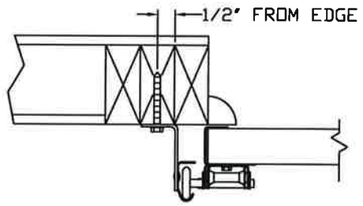
MODELS	24 GA SHORT	24 GA FLUSH
CLOPAY	84A, 94	98
HOLMES	48, 48B	--
IDEAL	4RST	4F

SHEET 3 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
07	–	–	–	SH	SEE REVISION HISTORY ON SHEET ONE.

IN THE CASE OF GYPSUM WALLBOARD LOCATED AT OR NEAR THE DOOR OPENING LOCATION THERE ARE TWO ACCEPTABLE ALTERNATIVES:

1) THE WALLBOARD CAN BE CUT AWAY FROM THE DOOR OPENING AND 2X6 SOUTHERN YELLOW PINE WOOD JAMBS MOUNTED DIRECTLY TO THE SUPPORTING STRUCTURE TO CREATE THE MOUNTING SURFACE. ALTERNATIVELY, THE BRACKETS MAY BE ATTACHED DIRECTLY TO THE SUPPORTING STRUCTURE. SEE DETAIL BELOW. THE CENTER OF SCREW HOLE MUST BE AT LEAST ½" FROM BOTH EDGES FOR A 5/16" LAG SCREW.
2) IF THE WALLBOARD IS NOT CUT AWAY TO EXPOSE THE UNDERLYING STRUCTURE (WOOD FRAMING MEMBERS), A 2X6 SOUTHERN YELLOW PINE WOOD BUCK OVER SHALL BE INSTALLED THE WALLBOARD FRAMING THE OPENING USING THE JAMB ATTACHMENT FASTENERS LISTED BELOW. HOWEVER, THE JAMB ATTACHMENT FASTENERS MUST BE OF A SUFFICIENT INCREASED LENGTH TO ACCOUNT FOR THE THICKNESS OF THE WALLBOARD TO ENSURE PROPER FASTENER EMBEDMENT INTO THE STRUCTURAL FRAMING MEMBERS OF THE SUPPORTING STRUCTURE.



VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS ON 22" CENTERS. 1-1/8" MIN. O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x3" SLEEVE ANCHOR BOLTS ON 13" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
OR
1/4"x3" TAPCON SCREWS ON 11" CENTERS (2,000 PSI MIN. CONCRETE) OR 6" CENTERS (C-90 BLOCK). 1" MIN. O.D. WASHERS REQUIRED WITH TAPCONS.
ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

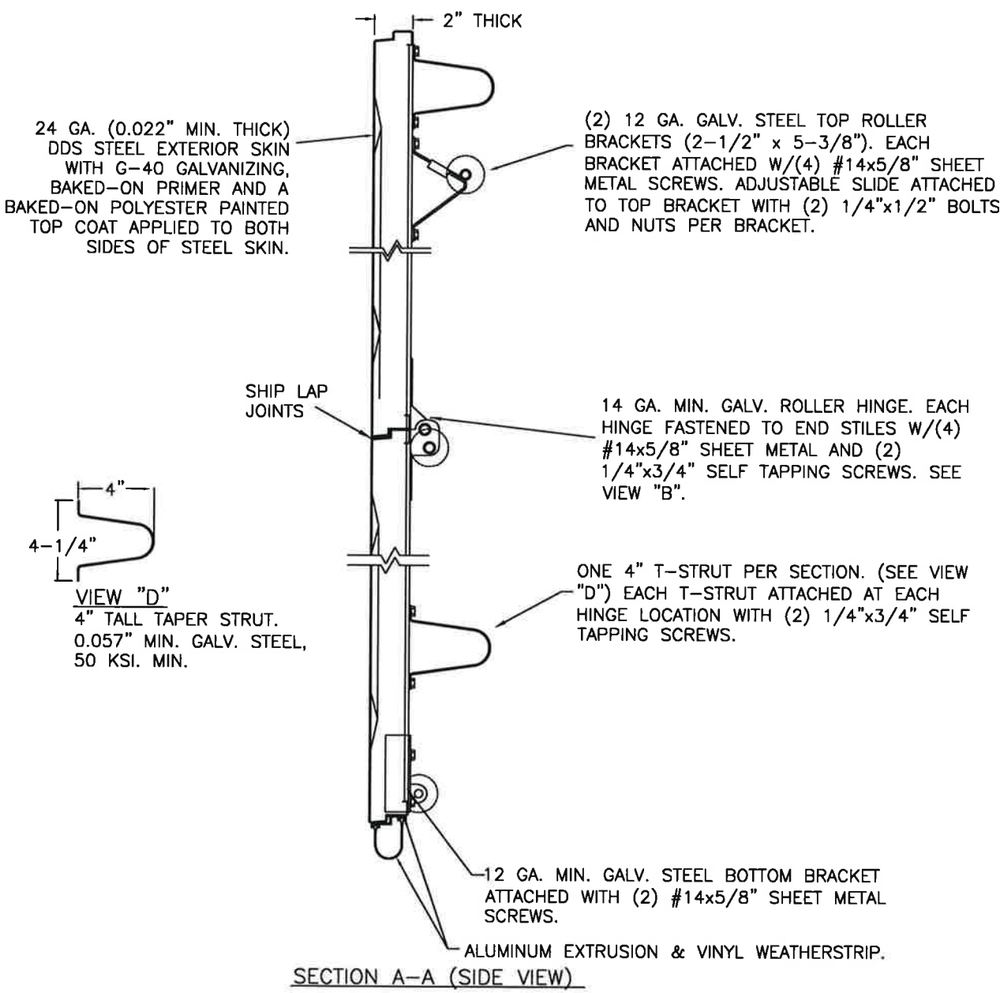
OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

SEE ADDITIONAL DETAILS IN "CONNECTING JAMB TO EXISTING STRUCTURES" JAMB FASTENER ANALYSIS CBPC-JFA-0001 (AVAILABLE ON TDI WEBSITE OR FROM MANUFACTURER).

NOTE: THE 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 THE DRAWING.

STATE OF TEXAS
MARK WESTERFIELD
91513
LICENSED PROFESSIONAL ENGINEER
7/21/21

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



VIEW "D"
4" TALL TAPER STRUT.
0.057" MIN. GALV. STEEL, 50 KSI. MIN.

SECTION A-A (SIDE VIEW)

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & -63.0 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.

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

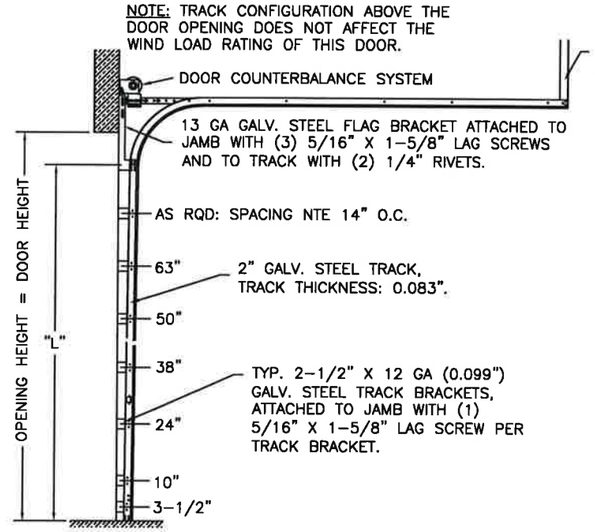
MANUFACTURING PRODUCT CODE: PAN-2F143
PART NO.: N/A
WINDLOAD RATING: W6 DP38T
DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)
DRAWN BY: SH | DATE: 11/19/12 | SCALE: NTS | DWG. SIZE B
CHECKED BY: SH | DATE: 11/20/12 | SHEET 3 OF 4
DWG. NO.: 104753 | VER: TDI

MODELS	24 GA SHORT	24 GA FLUSH
CLOPAY	84A, 94	98
HOLMES	48, 48B	--
IDEAL	4RST	4F

SHEET 4 OF 4

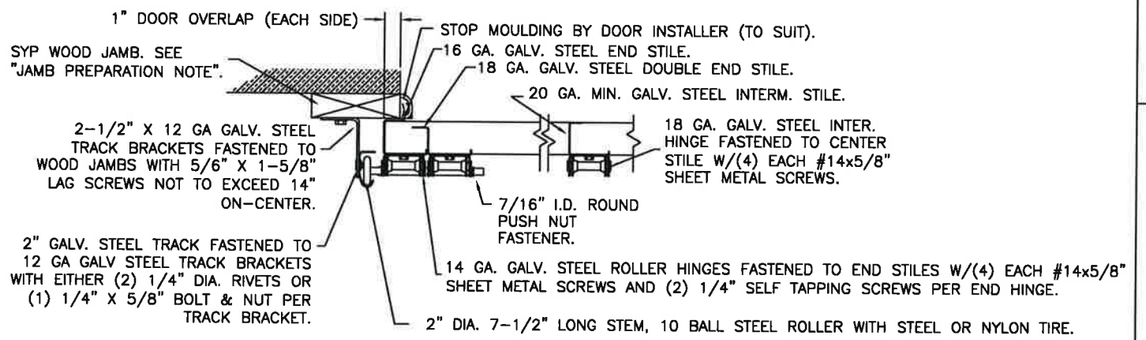
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
07	–	–	–	–	SEE REVISION HISTORY ON SHEET ONE.

2" TRACK CONFIGURATION.



DOOR HEIGHT	"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"

JAMB CONFIGURATION FOR 2" TRACK.



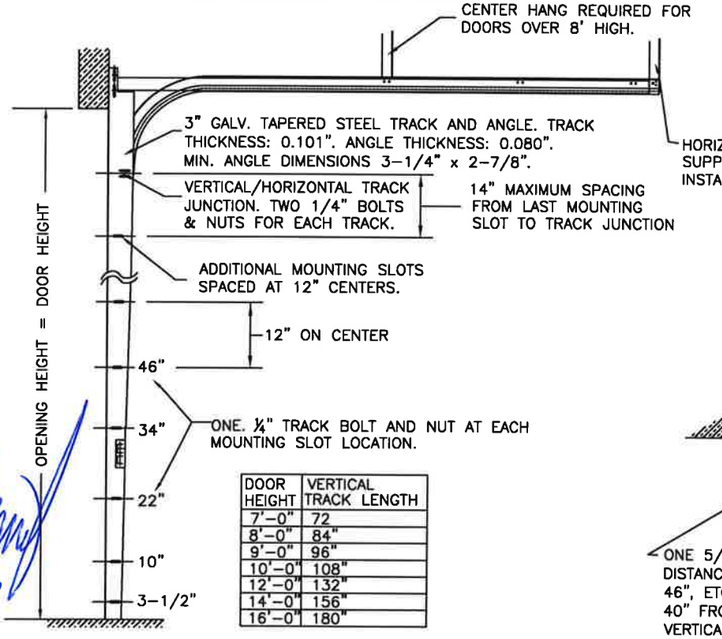
SECTION C-C

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 SHOWN IN ZONE B-3 SHEET 1.

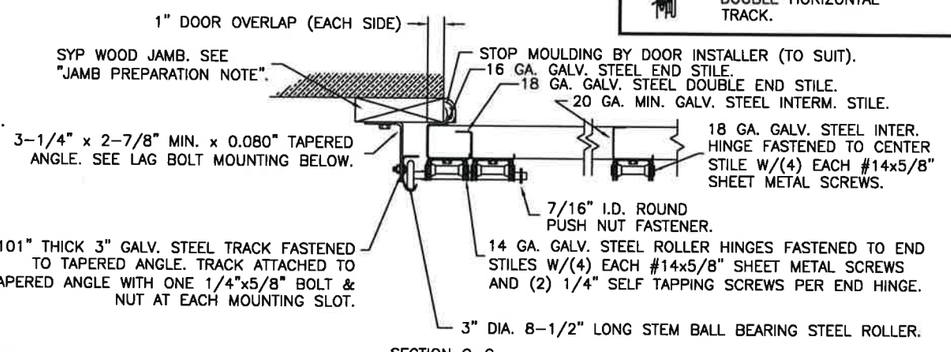
DOUBLE TRACK
LOW HEADROOM OPTION
(AVAIL. FOR BOTH 2" AND 3" TRACK)

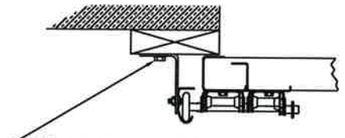
3" TRACK CONFIGURATION.



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"

JAMB CONFIGURATION FOR 3" TRACK.





SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & -63.0 P.S.F.

STATE OF TEXAS
MARK WESTERFIELD
91513
LICENSED PROFESSIONAL ENGINEER
7/21/21

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

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

MANUFACTURING PRODUCT CODE: PAN-2F143
PART NO.: N/A
WINDLOAD RATING: W6 DP38T
DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)
DRAWN BY: SH | DATE: 11/19/12 | SCALE: NTS | DWG. SIZE B
CHECKED BY: SH | DATE: 11/20/12 | SHEET 4 OF 4
DWG. NO.: 104753 | VER: TDI