

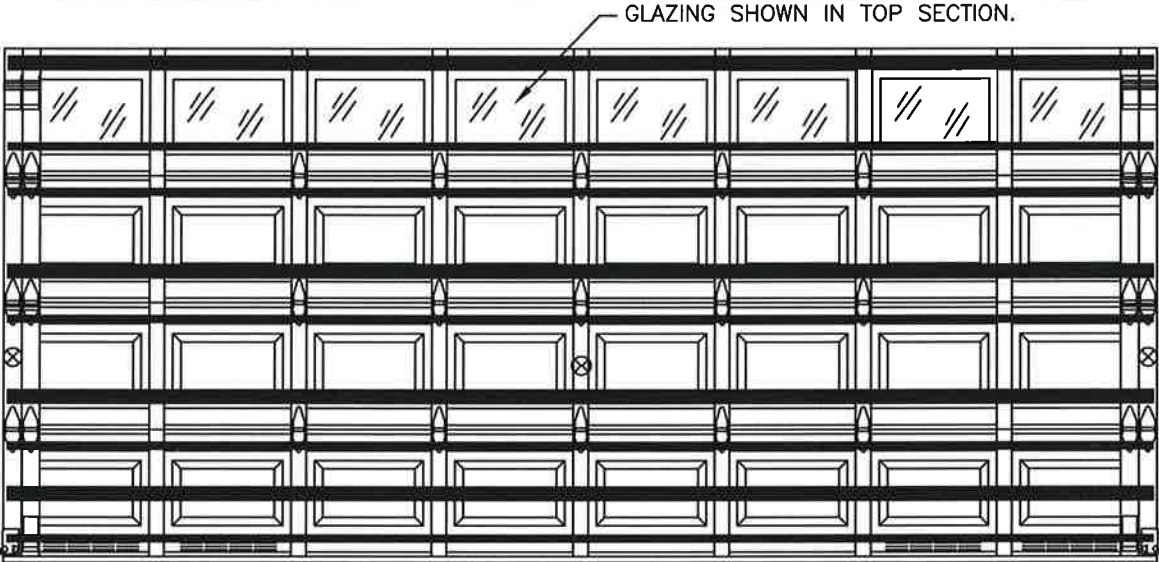
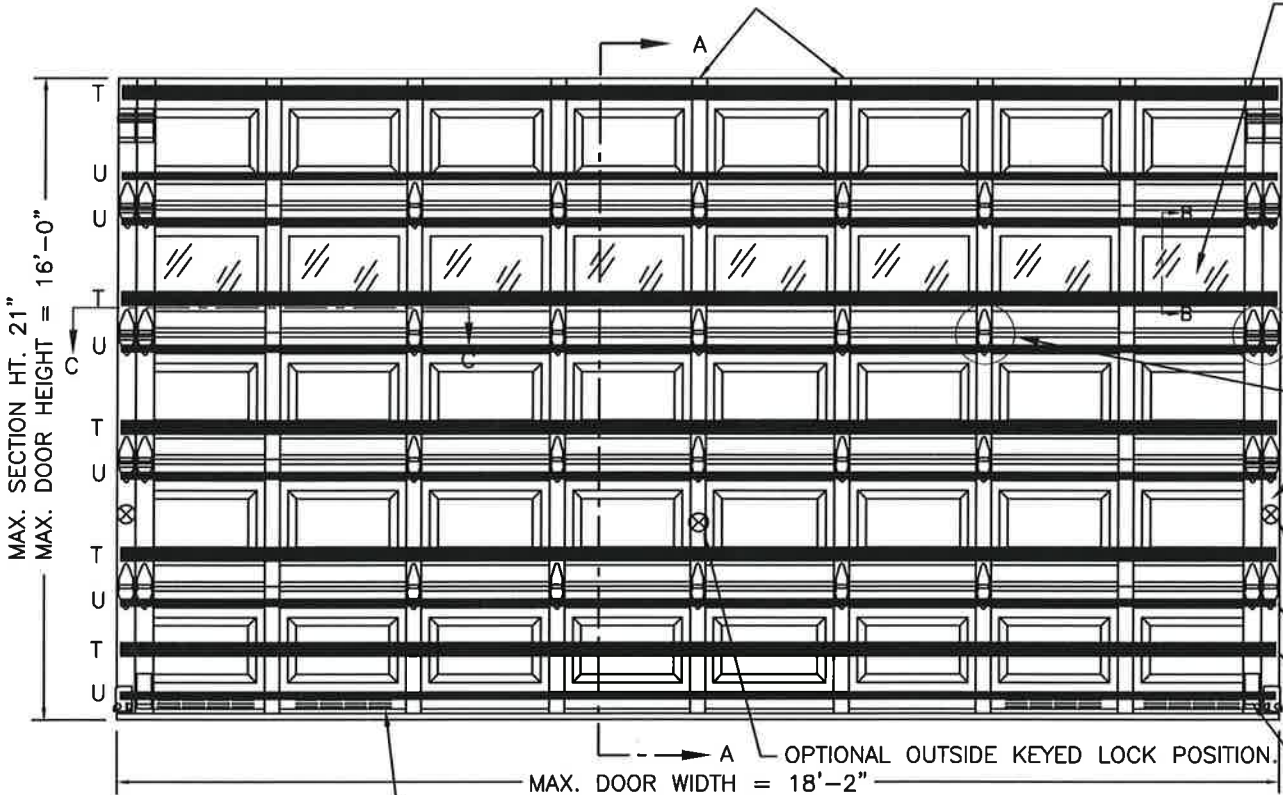
MODELS	24 GA SHORT	24 GA FLUSH
CLOPAY	84A, 94	98
HOLMES	48, 48B	---
IDEAL	4RST	4F

ONE INTERMEDIATE STILE BETWEEN EACH EMBOSS LOCATION. ATTACHED W/ TOG-L-LOC (TOP & BTM) AND URETHANE ADHESIVE (ALONG CENTER).

OPTIONAL ROW OF IMPACT-RESISTANT GLAZING. MAX. GLAZING SIZE IS 18-1/2" x 11". GLAZING IS INJECTION MOLDED GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606. SEE SECTION B-B FOR ASSEMBLY DETAILS. (GLAZING SHOWN IN INTERMEDIATE SECTION.)

IMPACT-RESISTANT CONSTRUCTION:

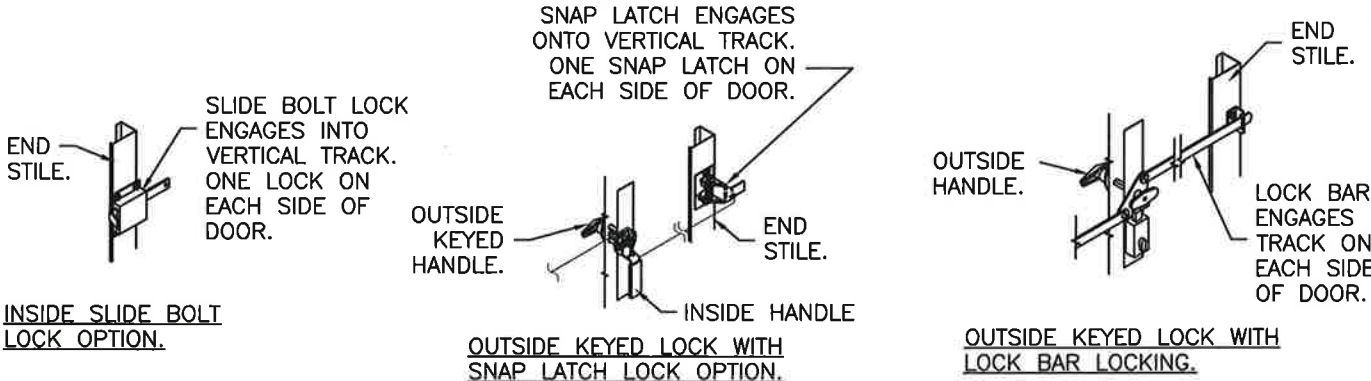
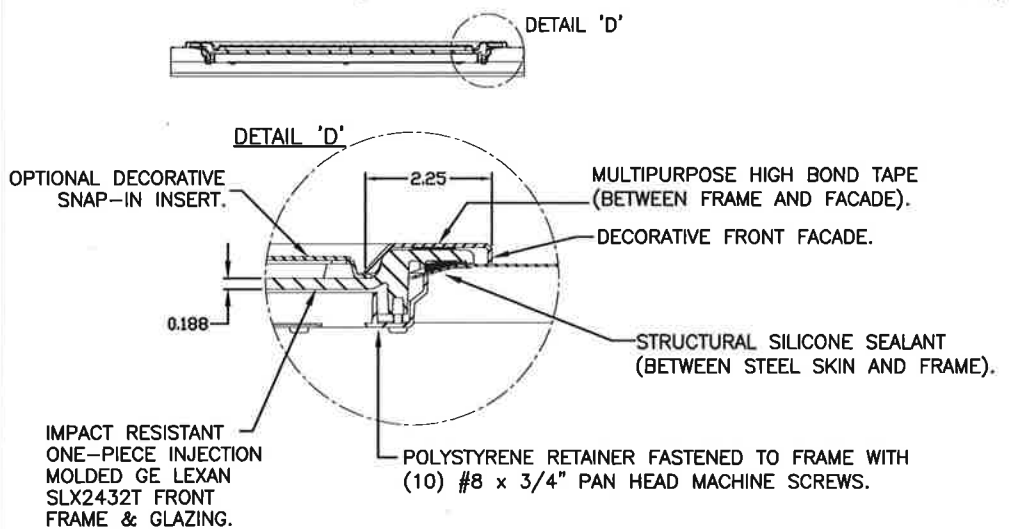
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THE ENTIRE 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.



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'	

LOCATION OF OPTIONAL VENTS. TOTAL VENT OPENINGS: 60 IN² PER VEHICLE.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

SHEET:
1 OF 3

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
02	-	12/20/12	-	SH	ADDED FBC 2612 REFERENCE
03	-	8/4/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART

DESIGN LOADS: +41.0 P.S.F. & -46.0 P.S.F.
TEST LOADS: +61.5 P.S.F. & -69.0 P.S.F.

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

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

DESCRIPTION: 2" STEEL PAN DOORS 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH	DATE: 12/3/12	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 12/4/12	SHEET 1 OF 3	
DWG. NO.: 104762	VER: IBC		

MANUFACTURING PRODUCT CODE PAN-2F143
PART NO.: N/A
WINDLOAD RATING W7 DP41

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

SHEET

2 OF 3

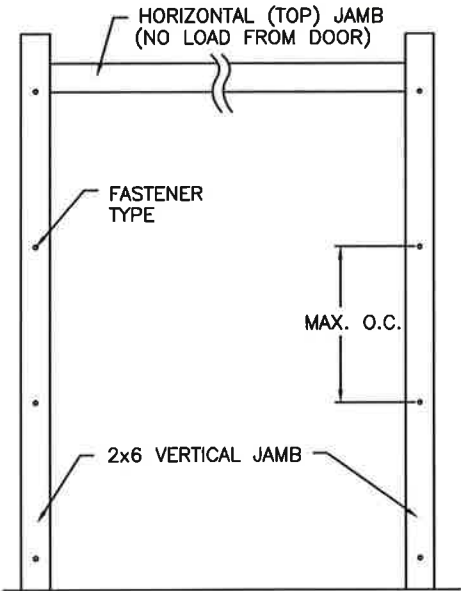
REVISIONS						DESCRIPTION
REV. NO.	ZONE	DATE	ECN NO.	APPVD		
03	-	-	-	-		SEE REVISION HISTORY ON SHEET ONE.

D

C

B

A



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

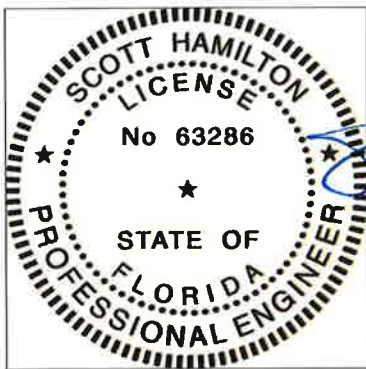
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
- EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +342 LB & -450 LB. PER LINEAR FOOT OF JAMB.
- ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
- 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 MASON

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

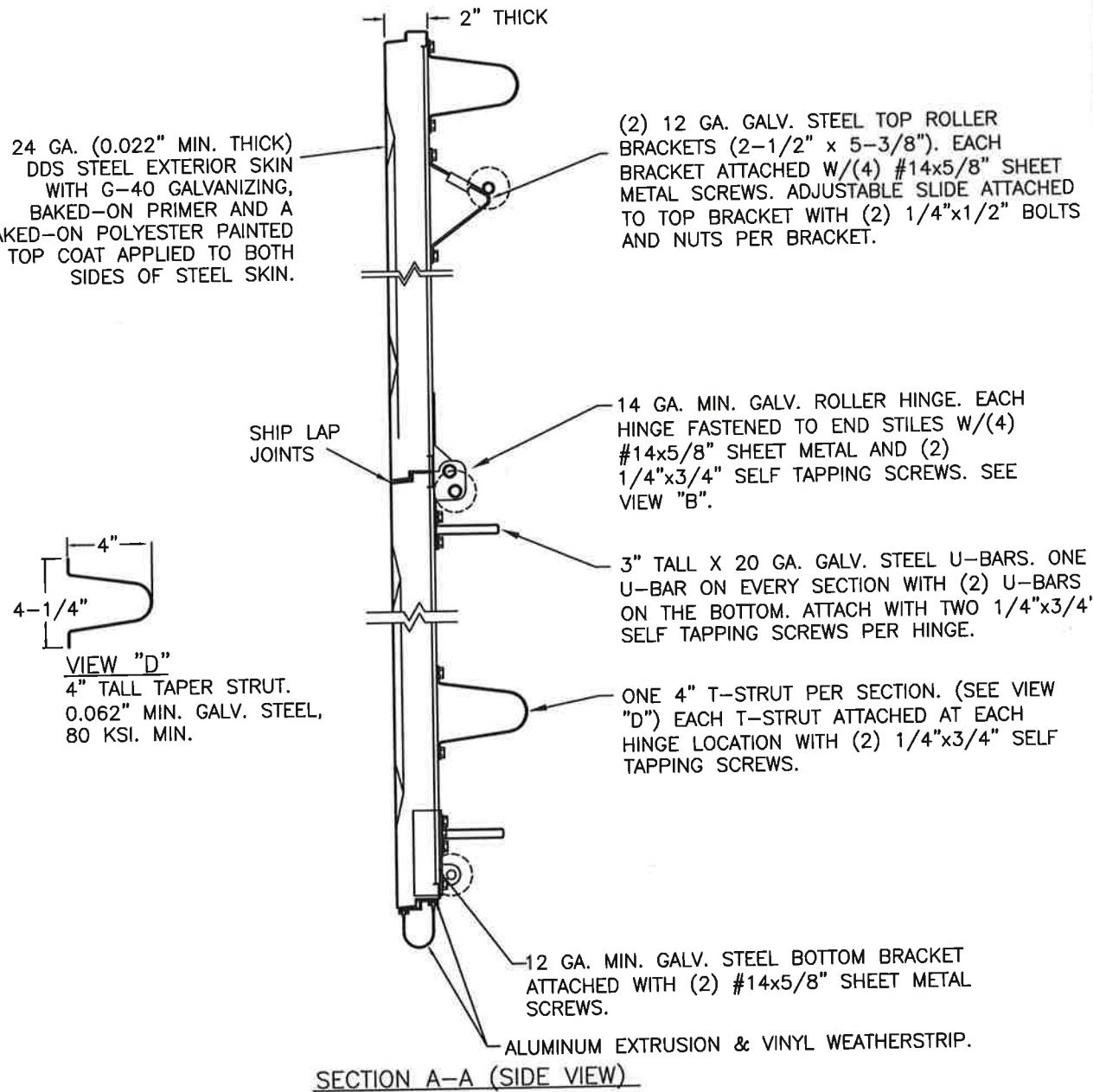
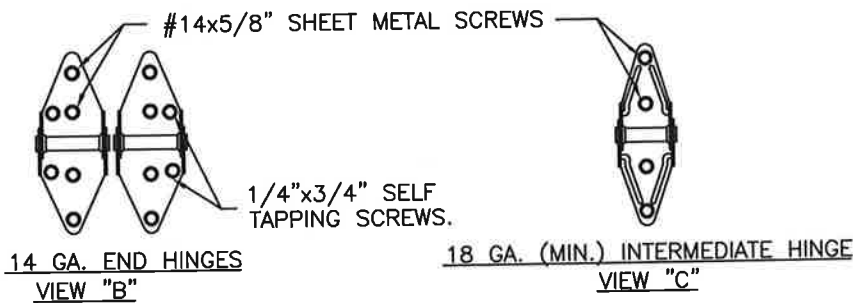
(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
BLOCK WALL	1/4" x 1-1/4" MIN. EMBED TAPCON CONCRETE ANCHOR	6-1/4"	1" O.D.
3000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	13-1/2"	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	14-3/4"	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.



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286



D

C

B

A

DESIGN LOADS: +41.0 P.S.F. & -46.0 P.S.F.
TEST LOADS: +61.5 P.S.F. & -69.0 P.S.F.

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Degrees = ±1/2"

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION

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Mason, OH 45040 USA
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Fax No. 513-770-4853

DESCRIPTION: 2" STEEL PAN DOORS 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH DATE: 12/3/12 SCALE: NTS DWG. B

CHECKED BY: SH DATE: 12/4/12 SHEET 2 OF 3 SIZE B

DWG. NO.: 104762 VER: IBC

2 FLORIDA PRODUCT APPROVAL 16107

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

SHEET
3 OF 3

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
03	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

3" TRACK CONFIGURATION

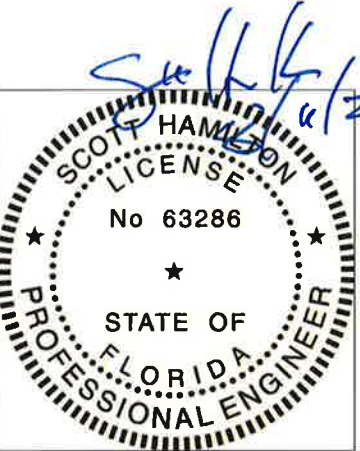
NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.

JAMB CONFIGURATION

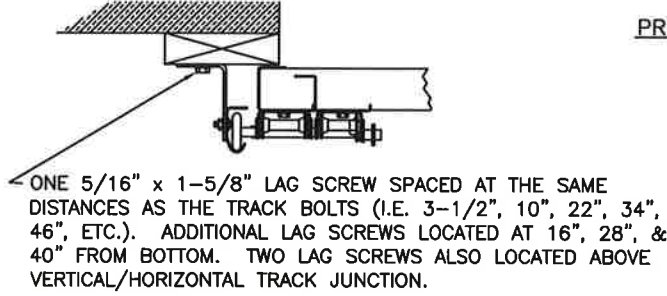
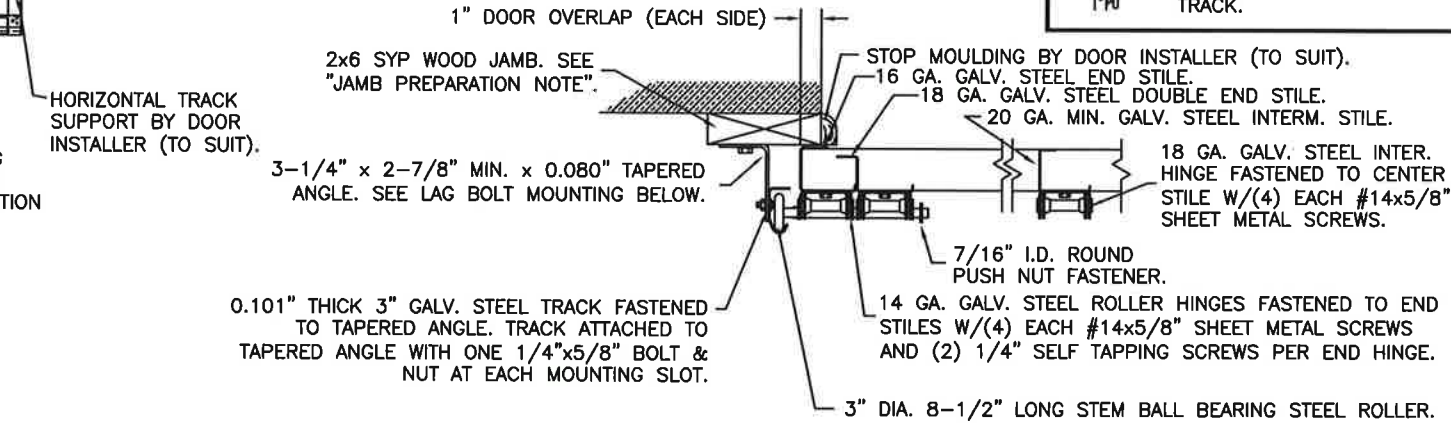
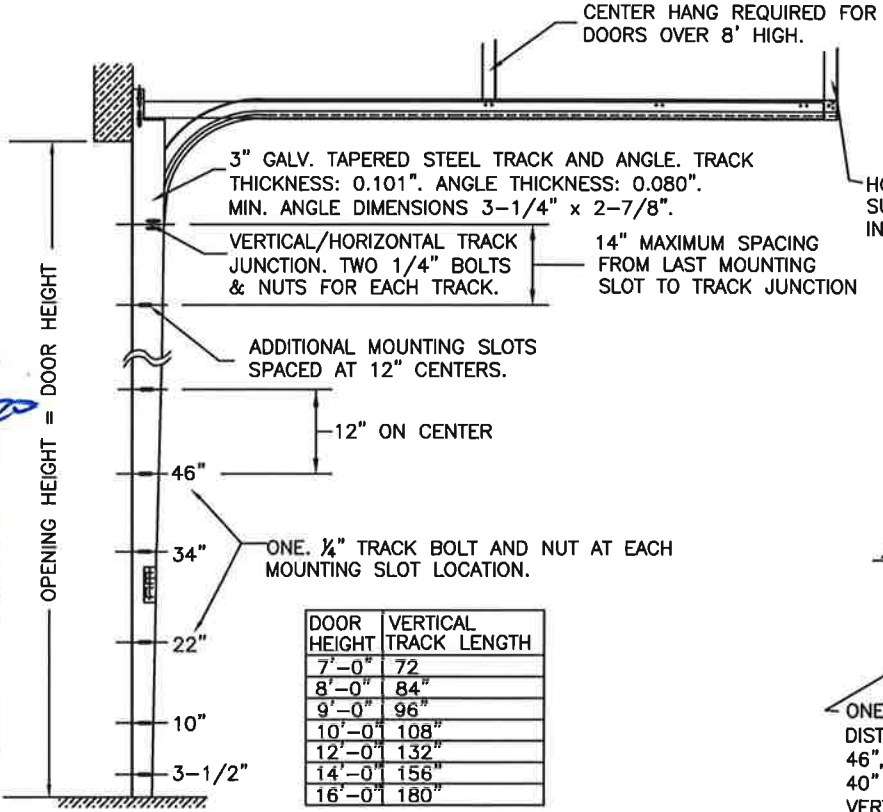
LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS.

DOUBLE TRACK LOW HEADROOM OPTION.

DOUBLE HORIZONTAL TRACK.



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.
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TEST LOADS: +61.5 P.S.F. & -69.0 P.S.F.

Unless Stated Otherwise
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MANUFACTURING PRODUCT CODE PAN-2F143			
PART NO.: N/A			
WINDLOAD RATING W7 DP41			
DESCRIPTION: 2" STEEL PAN DOORS 18'2" (SEE TABLE FOR MODELS)			
DRAWN BY: SH	DATE: 12/3/12	SCALE: NTS	DWG. B
CHECKED BY: SH	DATE: 12/4/12	SHEET 3 OF 3	SIZE B
DWG. NO.: 104762		VER: IBC	