

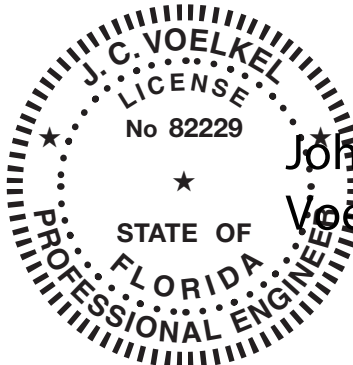
- NOTES:
- FOR GLAZED LITE OPTIONS SEE PAGE 3 OF 4
 - VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
 - KEY LOCK, SLIDE LOCKS, OR OPERATOR REQUIRED.
 - SECTION STEEL TO HAVE A MINIMUM 25 GA THICKNESS.
 - THE DESIGN 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 THIS DRAWING.
 - DOOR JAMB TO BE MINIMUM 2x6, STRUCTURAL GRADE SOUTHERN PINE. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
 - FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE (2) 13 GA LHR 7/4 TOP BRACKET WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMP TITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

- 13 GA HORIZ ANGLE
- 13 GA FLAG ANGLE
- 15 GA MIN HORIZ TRACK
- 5/16x1-5/8" LAG SCREW (MIN 3 AS SHOWN)
- (4) 1/4-20x9/16" LARGE HEAD TRACK BOLTS OR 1/4-20 STUDS WITH 1/4-20 HEX NUTS
- 15 GA MIN VERT TRACK
- 1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT AT EACH JB-US JAMB BRACKET LOCATION
- 5/16x1-5/8" LAG SCREW AT EACH JAMB BRACKET
- 15 GA STIFFENED JAMB BRACKETS SEE SCHEDULE FOR QUANTITY, LOCATION, AND TYPE
- KEY LOCK OR SLIDE LOCK EACH END (NOT REQUIRED WITH OPERATOR - SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1 AND 2 THIS SHEET FOR GLAZING OPTIONS.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

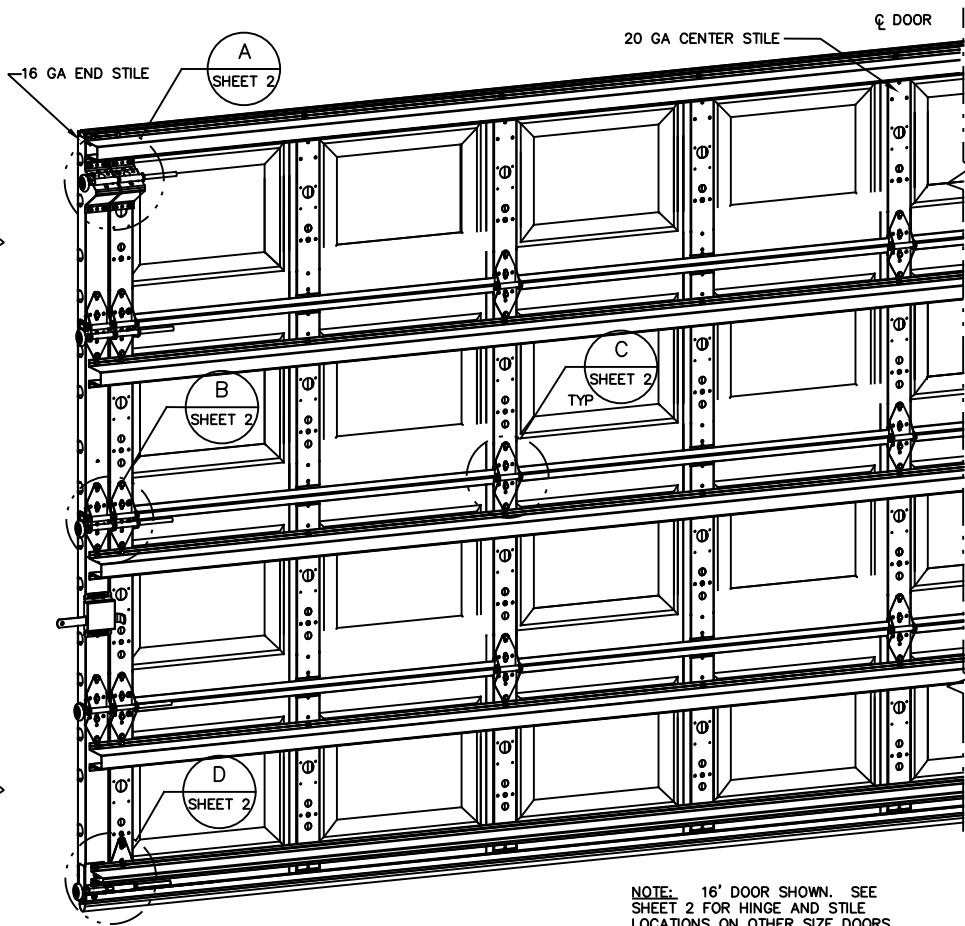
DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
10'-0"	ALL	+206.5/-233.5
12'-0"	ALL	+247.5/-280.2
14'-0"	ALL	+289.1/-326.9
15'-0"	ALL	+309.75/-350.25
16'-0"	ALL	+330.4/-373.6



PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

Digitally signed
by John Voelkel
Date: 2024.07.09
13:03:21 -05'00'

J. CHRISTIAN VOELKEL, PE
407 NAVARRE STREET
GULF BREEZE, FL 32561
FL PE 82229
TX PE 133174



JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")	
			JB-US	JB-US
6'-6"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US)	
7'-0"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US)	
7'-6"	5	9	2" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 63" (JB-US), 74-1/2" (JB-US)	
8'-0"	5	9	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 66" (JB-US), 75-1/2" (JB-US)	
> 8'-0"			SEE NOTE BELOW	

NOTE:
(JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.

COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

Wayne Dalton GARAGE DOORS A DIVISION OF OVERHEAD DOOR CORP 3395 ADDISON DRIVE PENSACOLA, FLORIDA 32514 (850) 474-9890	STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
	DESIGN (PSF): +41.3/-46.7		MAX WIDTH: 16'-0"		DATE		NAME	
	TEST (PSF): +61.95/-70.05		MAX HEIGHT: 14'-0"		DRAWN 5/13/24		SW	
	IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 21"		CHECKED -		TLC	
	MODELS 8000/8100/8200					SHEET 1 OF 4		
WINDLOAD SPECIFICATION OPTION CODE 1133					DRAWING PART NO. 412017		REV. -	

REVISIONS
- DRAWING CREATED
SW 5/5/23

13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN CENTER SLOT AND 1/4-20x9/16" TRACK BOLT & 1/4-20 HEX NUT THROUGH ANY TWO ALIGNING HOLES

(2) 13 GA COMMERCIAL 'A' FRAME TOP BRACKETS EACH ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS

ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (INSIDE OF EACH INSIDE END HINGE)

ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (OUTSIDE OF EACH INSIDE END HINGE) WHEN LONG LITES INSTALLED.

2" STEEL ROLLER WITH 9" GRADE 1144 OR EQUIVALENT STEM AND 7/16" PUSHNUT AT EACH ROLLER LOCATION. 1/4" MAX BETWEEN PUSHNUT AND BRACKET OR HINGE. OPTIONAL- 11 BALL BEARING NYLON ROLLER WITH 9" GRADE 1144 OR EQUIVALENT STEM

#1 HINGE IS 14 GA
#2 HINGE IS 13 GA
#3 HINGE (AND ALL ABOVE) ARE 13 GA WIDE BODY END HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS

14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS

12 GA EXTENSION BRACKET ATTACHED WITH (3) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (2 THROUGH STRUT AND BRACKET)

14 GA BOTTOM BRACKET ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (2 OF WHICH IS THROUGH STRUT AND AND (1) 1/4-14x5/8" SELF DRILLING RED SCREW

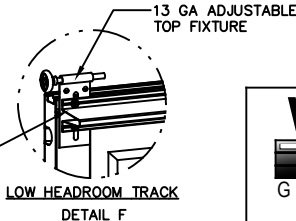
DETAIL A

DETAIL B

DETAIL C

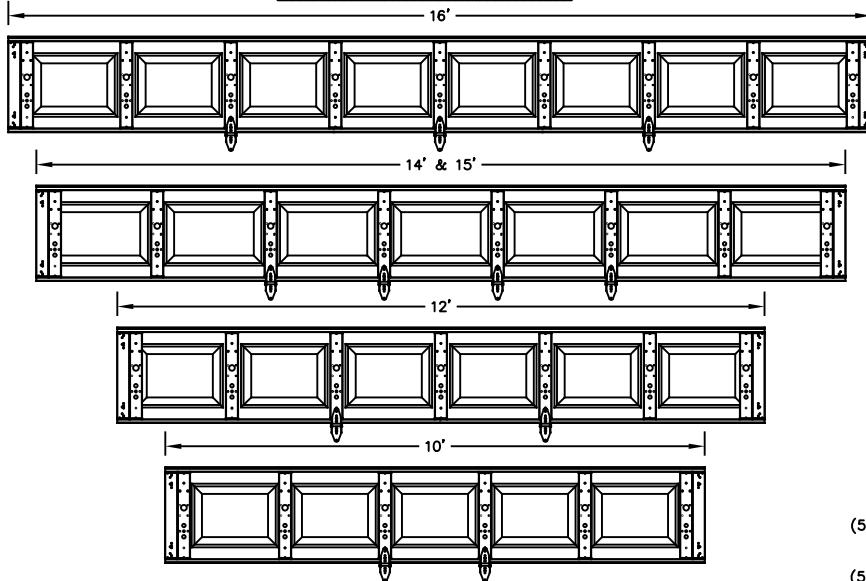
DETAIL D

PLACE 3" U-BAR OVER LOW HEADROOM BRACKET ATTACH THRU END STILE AT EACH END WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS.

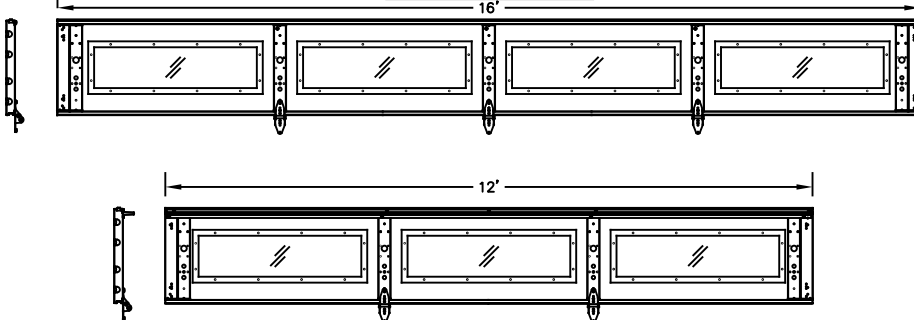


LOW HEADROOM TRACK
DETAIL F

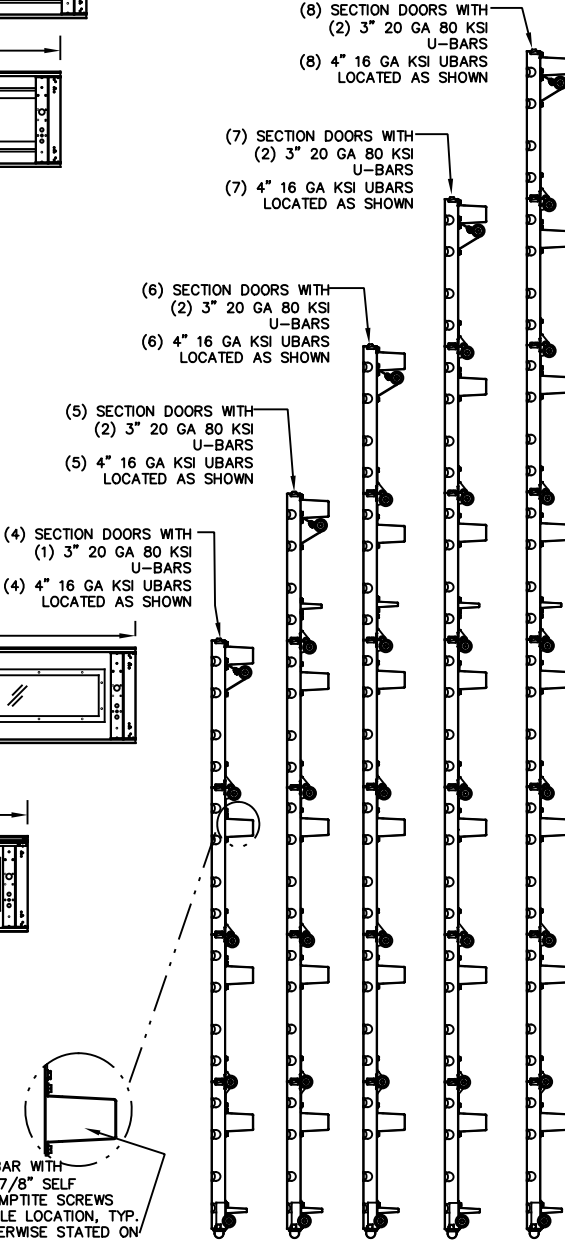
CENTER STILE & INTERMEDIATE HINGE LOCATIONS



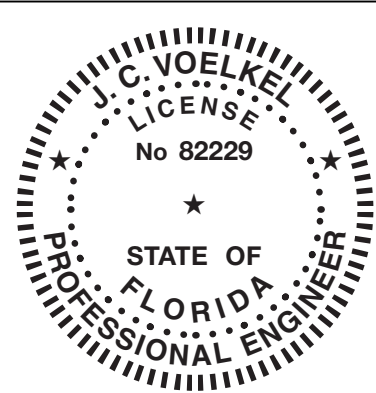
LONG LITE GLAZING LAYOUT



U-BAR LOCATIONS



ATTACH U-BAR WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH STILE LOCATION, TYP. UNLESS OTHERWISE STATED ON PAGE 3.



PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

J. CHRISTIAN VOELKEL, PE
407 NAVARRE STREET
GULF BREEZE, FL 32561
FL PE 82229
TX PE 133174

Wayne Dalton
GARAGE DOORS™

A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+41.3/-46.7	MAX WIDTH:	16'-0"	DATE	5/13/24	NAME	SW
TEST (PSF):	+61.95/-70.05	MAX HEIGHT:	14'-0"	DRAWN			
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT: 21"	CHECKED	-	TLC		
MODELS 8000/8100/8200				SHEET 2 OF 4			
WINDLOAD SPECIFICATION OPTION CODE 1133				DRAWING PART NO.		REV.	
				412017		-	

1. AVAILABLE IN TOP OR INTERMEDIATE SECTION.
2. NOT AVAILABLE IN MORE THAN ONE SECTION.
3. SHORT LITE SECTION WILL HAVE (7) CENTER STILES.
(SEE PAGE 2 FOR LAYOUT)
4. LONG LITE SECTION WILL HAVE (3) CENTER STILES.
5. REFER TO PAGE 2 FOR SECTION LAYOUTS.

6. - SATISFIES WINDBORNE-DEBRIS
7. - 16" X 9.75" DLO ALUMINUM FRAME FASTENED WITH (10) #8 X 1" SCREWS. (SEE PAGE 2 FOR LAYOUT)
8. - 36.75" X 9.75" DLO ALUMINUM FRAME FASTENED WITH (14) #8 X 1" SCREWS.
9. - 39.93" X 11.06" DLO ALUMINUM FRAME FASTENED WITH (18) #8 X 1" SCREWS.
10. - GLAZING 1/4" GROOVED POLYCARBONATE.
11. - MAY INCLUDE DECORATIVE INSERTS.

Technical drawing of a 5-axis machine tool structure, showing a side view of the main body with five vertical columns and a central horizontal beam. The drawing includes dimensions and labels for various components.

Technical drawing of a three-section folding door. The drawing shows the door in a partially open position, revealing three rectangular panels. Each panel is labeled 'D. 100' and contains a double-slash symbol '//'. The panels are connected by hinges, and the entire assembly is mounted on a track system. The drawing includes various dimension lines and labels, such as 'D. 100' and 'D. 100', indicating the height and width of the panels. The drawing is a detailed technical illustration of the door's construction and components.

Technical drawing of a 12m long railway wagon. The drawing shows a side elevation with a flat roof and side doors. The wagon is divided into sections by vertical lines, and the doors are labeled with 'G' and 'H'. The overall length is 12m.

Diagram illustrating the cross-section of a window assembly, showing the exterior frame, interior frame, sheetmetal screw, and 1/4" polycarbonate pane.

.032" GRADE 5052-H32 (MIN) ALUMINUM
 LOUVER (OR)
 3/32" ANNEALED SSB GLASS (MIN)
 MAX (4) LOUVERS OR LITES PER SECTION

#8x1 SCREWS

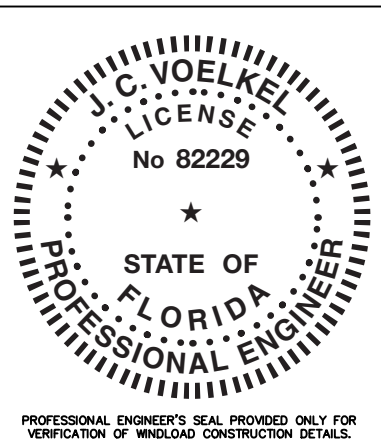
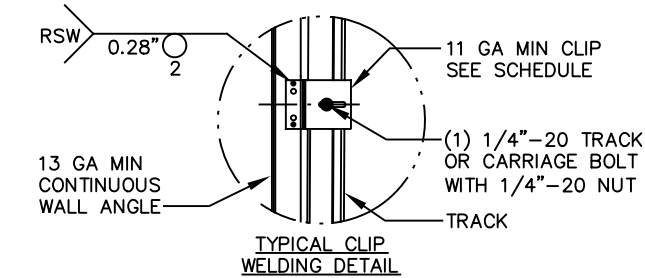
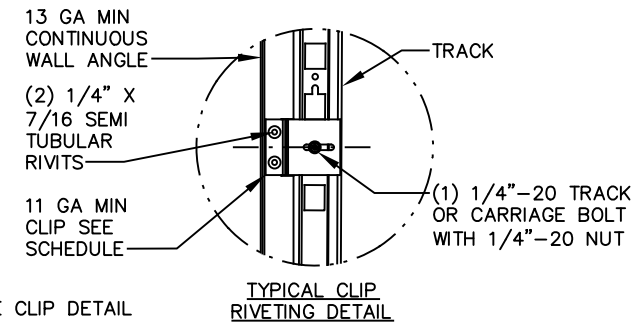
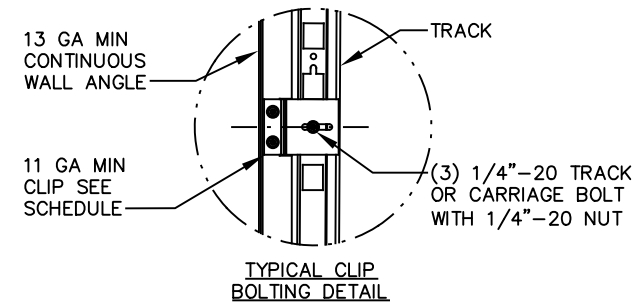
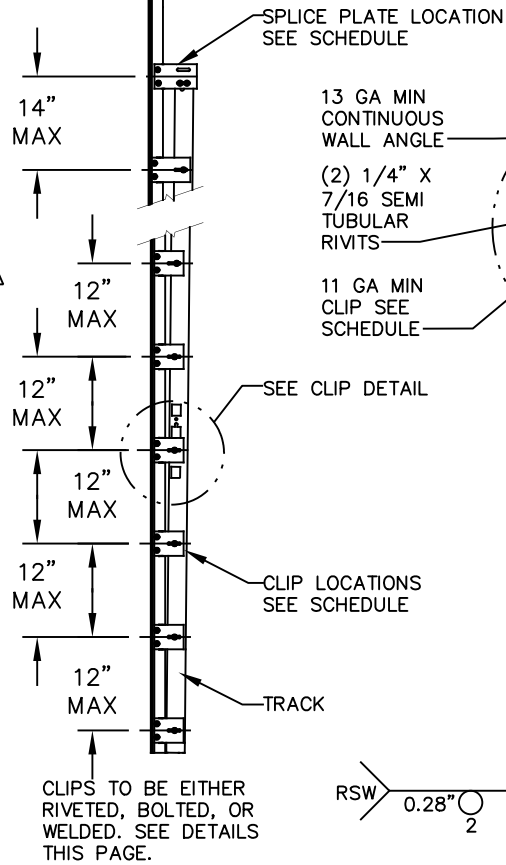
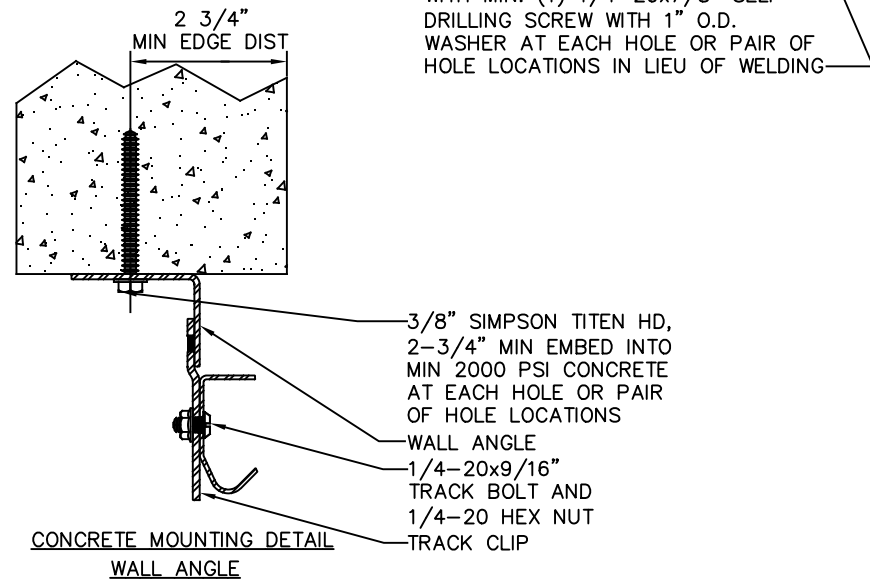
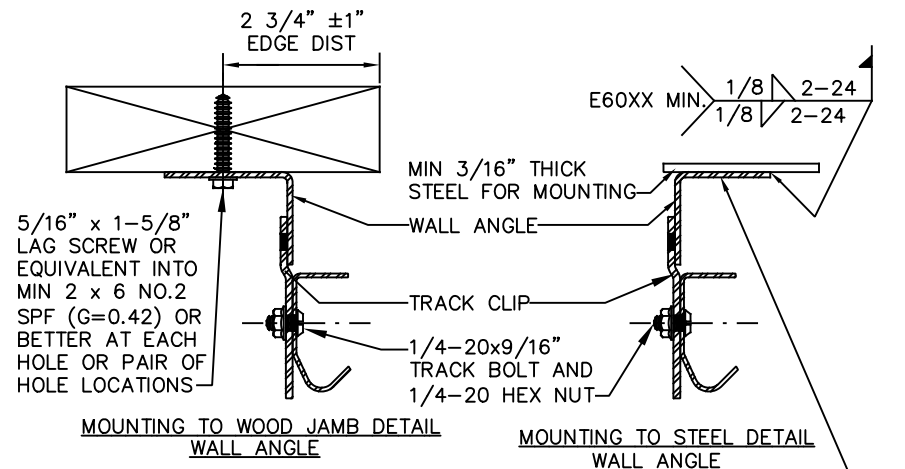
MOLDED FRAME

A circular professional engineer seal for the State of Florida. The outer ring contains the text "J. C. VOELKEL" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center of the seal, the license number "No 82229" is displayed above a single star.

J. CHRISTIAN VOELKEL, PE
407 NAVARRE STREET
GULF BREEZE, FL 32561
FL PE 82229
TX PE 133174

A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A			
DESIGN (PSF): +41.3/−46.7		MAX WIDTH: 16′−0″			DATE		NAME		
TEST (PSF): +61.95/−70.05		MAX HEIGHT: 14′−0″		DRAWN		5/13/24		SW	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 21″		CHECKED				TC	
RP	MODELS 8000/8100/8200				SHEET 3 OF 4				
	WINDLOAD SPECIFICATION OPTION CODE 1133				DRAWING PART NO.		REV.		
					412017		—		



J. CHRISTIAN VOELKEL, PE
407 NAVARRE STREET
GULF BREEZE, FL 32561
FL PE 82229
TX PE 133174

Wayne Dalton
GARAGE DOORS™

A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+41.3/-46.7	MAX WIDTH:	16'-0"	DATE	5/13/24	NAME	SW
TEST (PSF):	+61.95/-70.05	MAX HEIGHT:	14'-0"	DRAWN	-	TC	
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT: 21'	CHECKED				
MODELS 8000/8100/8200				SHEET 4 OF 4			
WINDLOAD SPECIFICATION OPTION CODE 1133				DRAWING PART NO.		REV.	
				412017		-	

REVISIONS