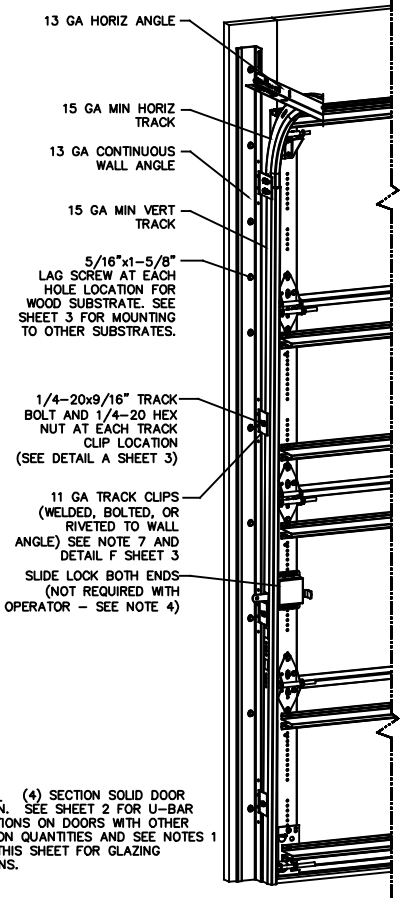


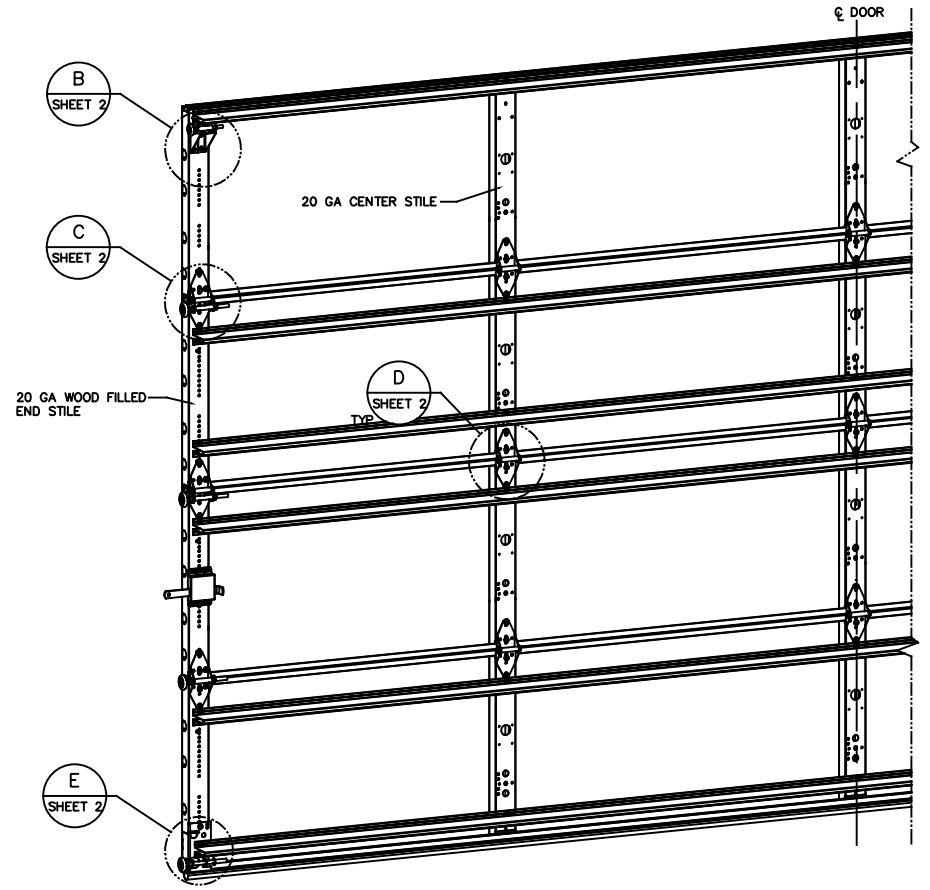
REVISIONS				
CR	REV	DESCRIPTION	DATE	APPROVAL
VL005	-	INITIAL DRAWING	1/14/2021	TLC
VL005	A	ADDED AFV PANEL SIZE	4/27/21	TLC

- NOTES
- STANDARD GLAZING OPTION - .125" MINIMUM DSB GLAZING MEETS UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 6.70" AND A MAXIMUM LENGTH OF 24.00". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.
 - ALUMINUM FULL VIEW OPTION - ALUMINUM FULL VIEW SECTION MAY REPLACE ANY SECTION EXCEPT TOP AND BOTTOM PANELS. ALUMINUM FULL VIEW SECTION SHALL HAVE RAILS AND STILES OF EXTRUDED ALUMINUM ALLOY 6063-T6 WITH A 2-1/4" INTEGRAL FIN AND .125" MINIMUM DSB GLAZING INSTALLED WITH ALUMINUM RETAINERS IN ORDER TO MEET UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. AFV PANEL SIZE IS 47.5"x21.9" (MAX). GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.
 - MINIMUM OF 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.
 - SLIDE LOCKS OR OPERATOR REQUIRED.
 - SECTION STEEL TO HAVE THE FOLLOWING MINIMUM THICKNESS:
421, 423 - 20 GA
427, 429 - 24 GA
434, 436 - 25 GA
 - 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.
 - TRACK CLIPS SHALL BE LOCATED WITH CENTERLINE OF BOTTOM CLIP SPACED 10" MAX FROM BOTTOM OF TRACK AND REMAINING TRACK CLIPS SPACED AT 24" O.C. MAX. SPACING BETWEEN TOP TRACK CLIP AND SPLICE PLATE SHALL BE 30" O.C. MAX.
 - WHEN MOUNTING TO WOOD, DOOR JAMB TO BE MINIMUM 2x6 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.



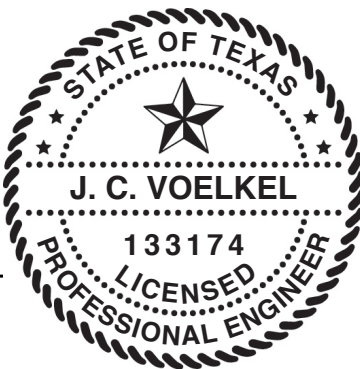
NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1 & 2 THIS SHEET FOR GLAZING OPTIONS.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
MAX DOOR WIDTH	DOOR HEIGHT	MAX UNIFORM LOAD EACH JAMB (PLF)
16"-2"	ALL	+229.6/-260.3



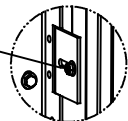
THE DOORS ARE DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 IRC AND THE 2018 IBC.

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +28.4/-32.2	MAX WIDTH: 16"-2"
IMPACT/CYCLIC RATED: YES	MAX HEIGHT: 24'-1"
	MAX SECTION HEIGHT: 24'



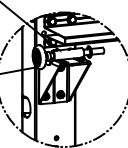
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REF DWG	USED ON	UNDER 251 +.004/- .003	WHOLE NUMBERS: ± .25	N/A	1/14/21	LEWISVILLE, TEXAS	BRAND BY: T CLARK
		251 TO 500 +.006/- .003	.X ± .1				CHECKED BY: J QIAN
		OVER 500 +.008/- .003	.XX ± .03	UNIT OF MEASURE			APPROVED BY: T CLARK
		FRACTIONS ± 1/16	.XXX ± .010	EA			DATE: 4/27/21
		ANGLES: ± .5°					REVISION NUMBER: D-411799
							SCALE: N/A
							SHEET 1 OF 3

1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT THROUGH THE SLOT IN THE TRACK AND TRACK CLIP



DETAIL A

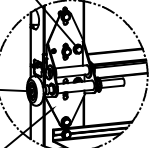
12 GA COMMERCIAL TOP FRAME BRACKET WITH 13 GA ROLLER CARRIER, ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS



DETAIL B

3" STEEL ROLLER WITH 7/16" DIA. x 9" LONG STEM AND 7/16" PUSH NUT AT TOP ROLLER LOCATION. 1/4" MAX BETWEEN PUSH NUT AND BRACKET.

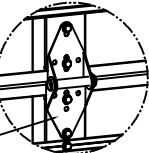
ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS (INSIDE OF EACH INSIDE END HINGE)



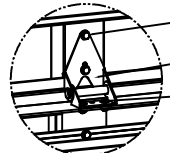
DETAIL C

2" STEEL ROLLER WITH 5-1/8" STEM AND 7/16" PUSHNUT AT EACH ROLLER LOCATION. 1/4" MAX BETWEEN PUSHNUT AND BRACKET OR HINGE

14 GA WIDE BODY END HINGE TO ATTACH SECTIONS ONE AND TWO.
13 GA WIDE BODY END HINGE TO ATTACH REMAINING SECTIONS. FOR ALL, ATTACH WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS



SOLID SECTION

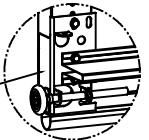


AFV SECTION

(2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS
HALF HINGE
(2) 1/4 x 1/2" CARRIAGE BOLTS AND 1/4" FLANGE NUTS

DETAIL D

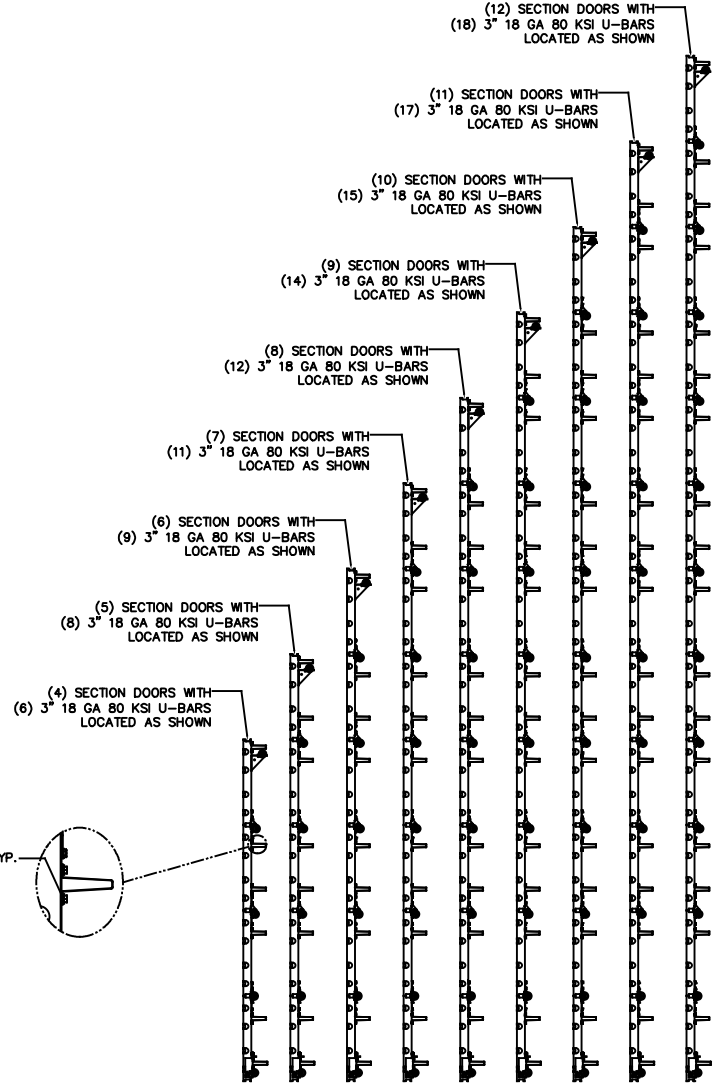
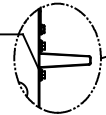
14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS



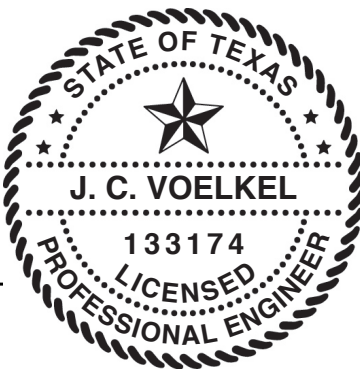
DETAIL E

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

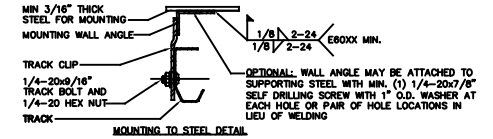
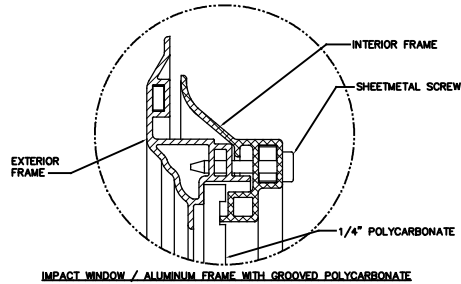
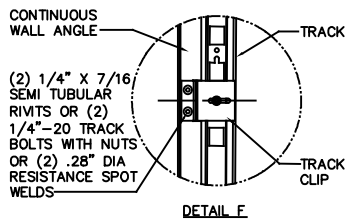
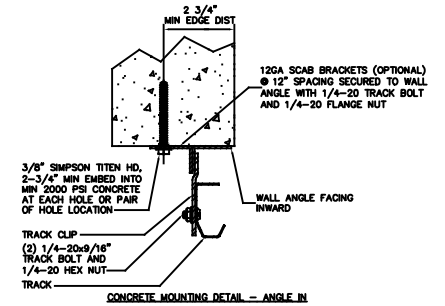
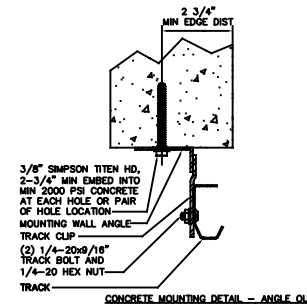
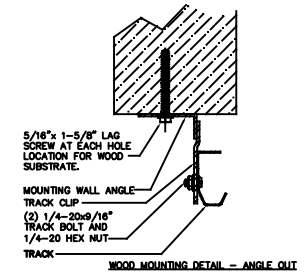
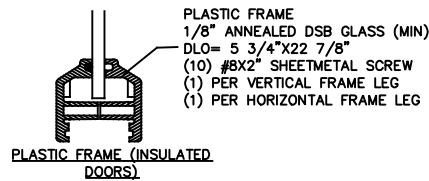
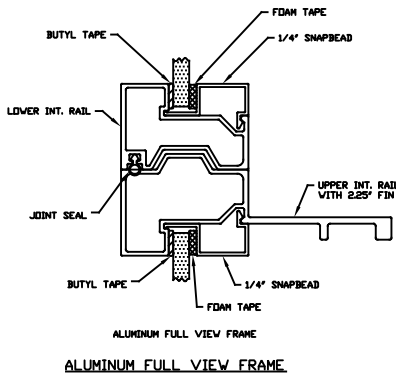
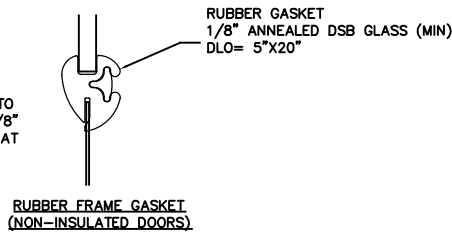
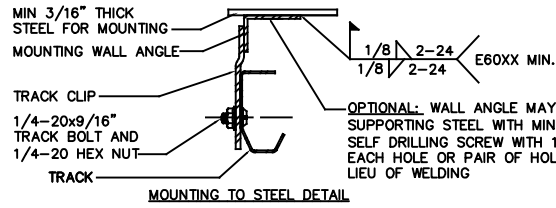
ATTACH U-BARS WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS AT ALL STILE LOCATIONS, TYP.



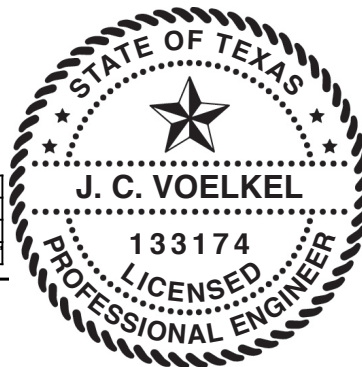
STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +28.4/-32.2	MAX WIDTH: 16'-2"
	MAX HEIGHT: 24'-1"
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 24'



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STATIC PRESSURE RATINGS	APPROVED SIZES
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OVER .500 +.008/- .003		XX: ± .03		DATE: 4/27/21		SERIES 421/423/427/429/434/436, 438/439/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500	
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ANGLES: ± .5°		UNIT OF MEASURE: EA		DRAWING NUMBER: D-411799		SERIES 421/423/427/429/434/436, 438/439/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500	
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