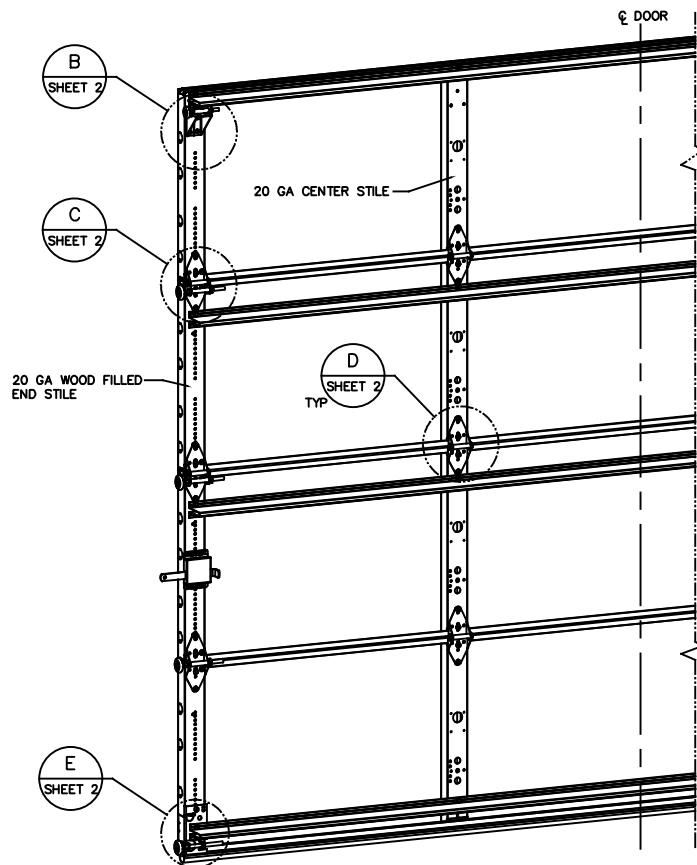
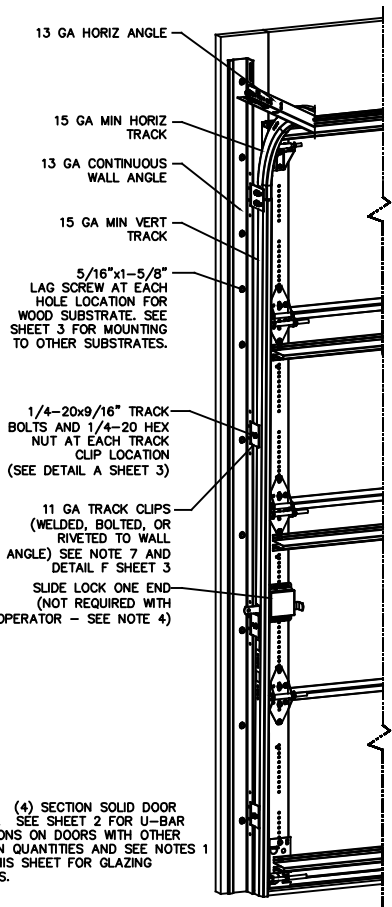


REVISIONS				
OR	REV	DESCRIPTION	DATE	APPROVAL
VL005	-	INITIAL DRAWING	1/14/2021	TLC
VL005	A	ADDED AFV PANEL SIZE	4/27/21	TLC

- 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 GLAZING PANEL SIZE IS 46.5"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 LOCK 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.

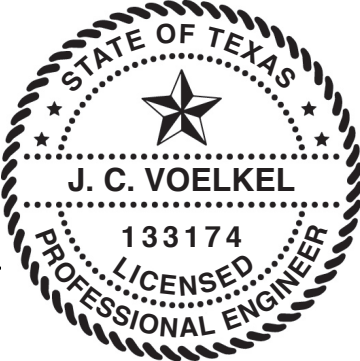


NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1 & 2 THIS SHEET FOR GLAZING OPTIONS.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

MAX DOOR WIDTH	DOOR HEIGHT	MAX UNIFORM LOAD EACH JAMB (PLF)
12'-2"	ALL	+127.1/-143.6

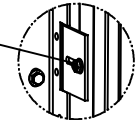
STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE (PSF): +20.9/-23.6	MAX WIDTH: 12'-2"
	MAX HEIGHT: 24'-1"
IMPACT/CYCLIC RATED: NO	MAX SECTION HEIGHT: 24'



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

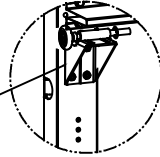
REF DWG		USED ON	TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH		The Genuine. The Original. LEVENVILLE, TEXAS		DATE		DRAWING TITLE	
			HOLE DIAMETER		N/A		N/A		1/14/21		WINDLOAD, OPTION CODE 2024	
			UNDER .251 +.004/- .003		WHOLE NUMBERS: ± .25						SERIES 421/423/427/429/434/436,	
			.251 TO .500 +.006/- .003		X ± .1						E0.9/-23.6 PSF, 12'-2" MAX	
			OVER .500 +.008/- .003		.XX ± .03		UNIT OF MEASURE				DRAWING NUMBER	
			FRACTIONS ± 1/16		XXX ± .010		EA		APPROVED BY		D-411790	
					ANGLES: ± .5°				T CLARK		SCALE: N/A SHEET 1 OF 3	
									DRAWN BY		DATE	
									J CLARK		1/14/21	
									CHECKED BY			
									J QIAN			
									APPROVED BY			
									T CLARK		4/27/21	

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



DETAIL A

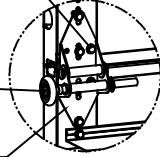
12 GA COMMERCIAL TOP FRAME BRACKET WITH 13 GA ROLLER CARRIER ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS



DETAIL B

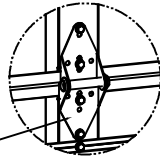
ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS (INSIDE OF EACH INSIDE END HINGE)

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



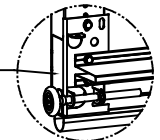
DETAIL C

13 GA WIDE BODY END HINGES EACH ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS



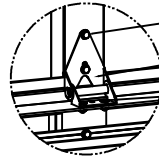
SOLID SECTION

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)



AFV SECTION

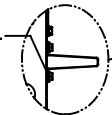
(2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS

HALF HINGE

(2) 1/4 x 1/2" CARRIAGE BOLTS AND 1/4" FLANGE NUTS

DETAIL D

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



(4) SECTION DOORS WITH (4) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(5) SECTION DOORS WITH (5) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(6) SECTION DOORS WITH (6) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(7) SECTION DOORS WITH (7) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(8) SECTION DOORS WITH (8) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

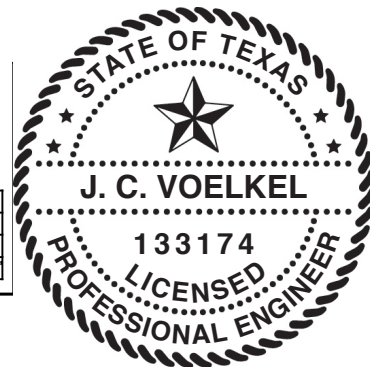
(9) SECTION DOORS WITH (9) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(10) SECTION DOORS WITH (10) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

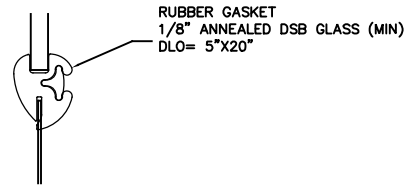
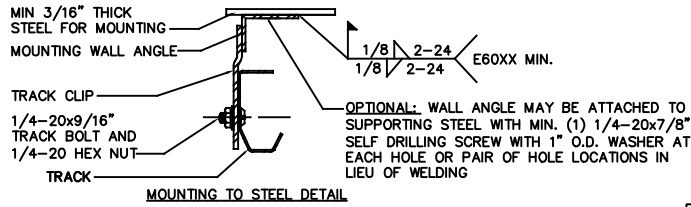
(11) SECTION DOORS WITH (11) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(12) SECTION DOORS WITH (12) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

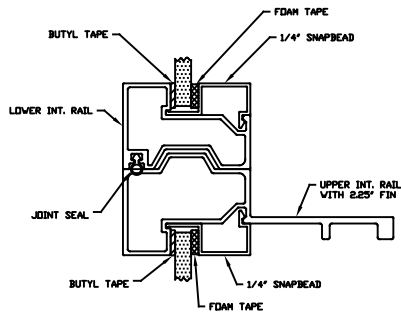
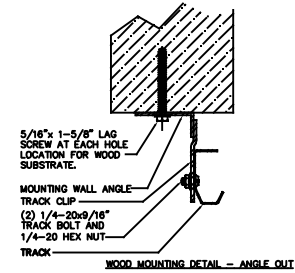
STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +20.9/-23.6	MAX WIDTH: 12'-2"
	MAX HEIGHT: 24'-1"
IMPACT/CYCLIC RATED: NO	MAX SECTION HEIGHT: 24'



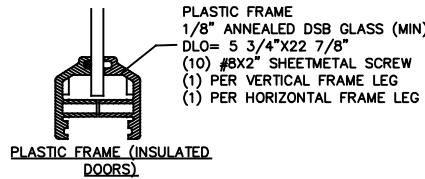
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 HOLE DIAMETER UNDER .251 +.004/- .003 .251 TO .500 +.006/- .003 OVER .500 +.008/- .003	WHOLE NUMBERS: ± .25 .X ± .1 .XX ± .03 .XXX ± .010 ANGLES: ± .5°	FINISH	N/A
		UNIT OF MEASURE	EA
REF DWG	USED ON	MATERIAL: N/A	



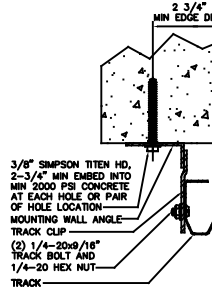
RUBBER FRAME GASKET (NON-INSULATED DOORS)



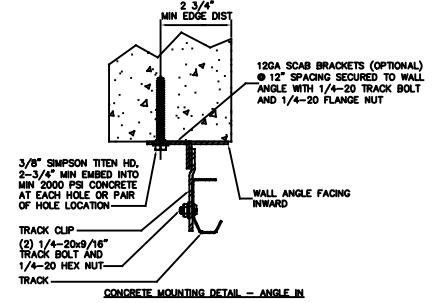
ALUMINUM FULL VIEW FRAME



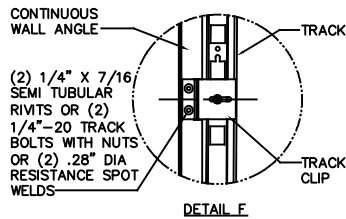
PLASTIC FRAME (INSULATED DOORS)



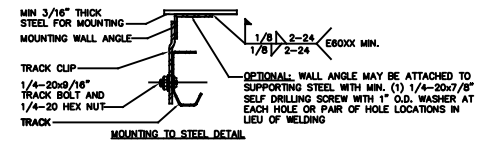
CONCRETE MOUNTING DETAIL - ANGLE OUT



CONCRETE MOUNTING DETAIL - ANGLE IN

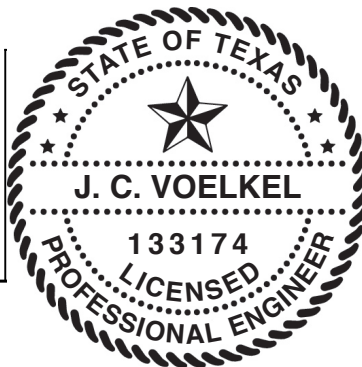


DETAIL F



MOUNTING TO STEEL DETAIL

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +20.9/-23.6	MAX WIDTH: 12'-2"
	MAX HEIGHT: 24'-1"
IMPACT/CYCLIC RATED: NO	MAX SECTION HEIGHT: 24'



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	TITLE: TELESCOPE UNDER 251 +.004/- .003 251 TO 500 +.006/- .003 OVER 500 +.008/- .003	FINISH: N/A UNIT OF MEASURE: EA	DATE: 1/14/21 DRAWN BY: T CLARK CHECKED BY: J QIAN APPROVED BY: T CLARK
	HOLE DIAMETER: ± .25 WHOLE NUMBERS: ± .1 .X: ± .03 .XX: ± .010 .XXX: ± .5" FRACTIONS: ± 1/16 ANGLES: ± .5"	MATERIAL: N/A	DATE: 4/27/21 DRAWING NUMBER: D-411790 SCALE: N/A SHEET 3 OF 3