

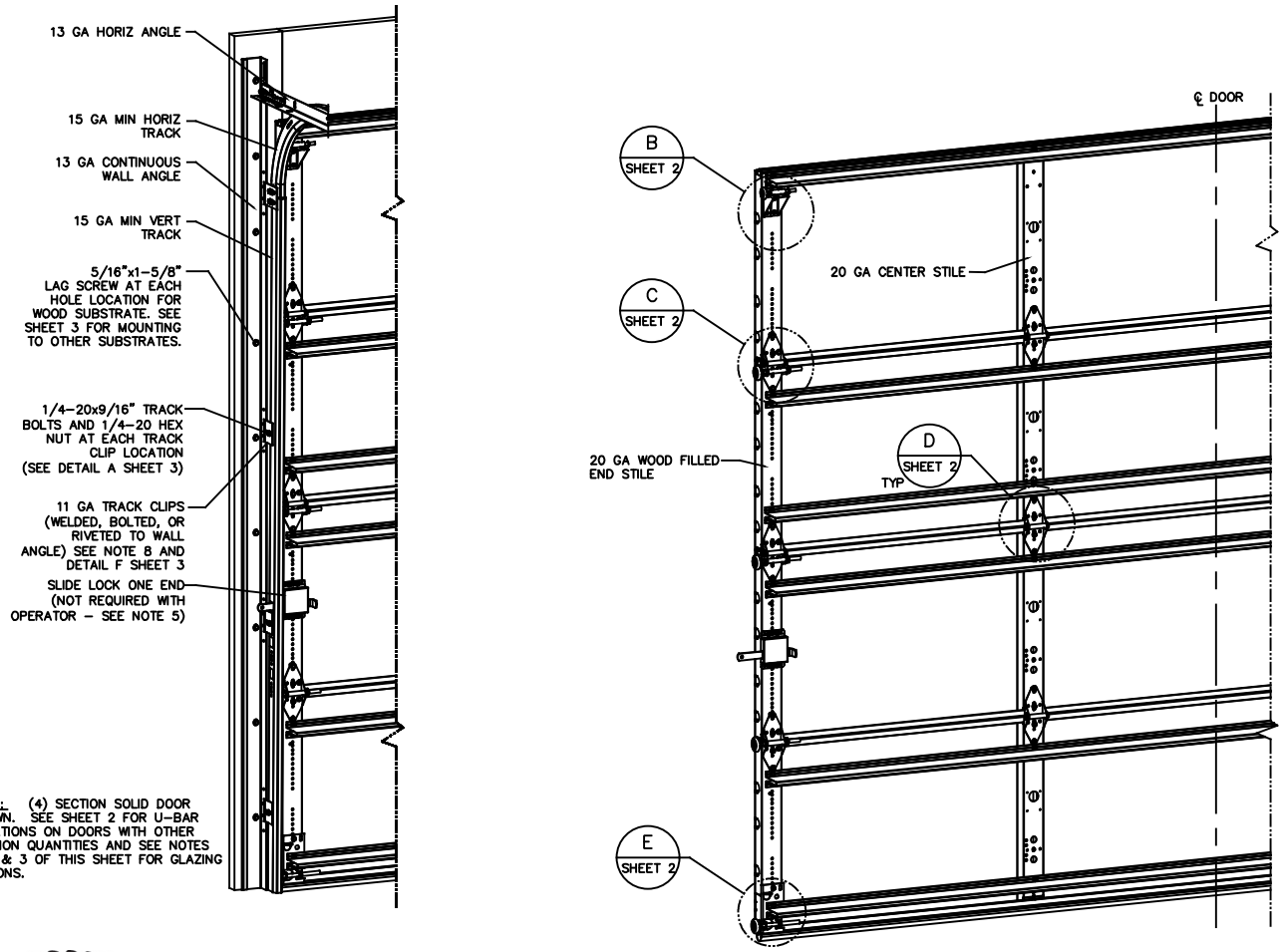
NOTES

- NON-IMPACT RESISTANT 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.
- IMPACT RESISTANT GLAZING OPTION - IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN INTERMEDIATE SECTIONS (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" POLYCARBONATE. MAXIMUM GLAZING DIMENSIONS SHALL BE 11" x 17", FASTENED WITH A MINIMUM #8 X 1" SMS; 3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL.
- 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 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.

- 13 GA HORIZ ANGLE
- 15 GA MIN HORIZ TRACK
- 13 GA CONTINUOUS WALL ANGLE
- 15 GA MIN VERT TRACK
- 5/16"x1-5/8" LAG SCREW AT EACH HOLE LOCATION FOR WOOD SUBSTRATE. SEE SHEET 3 FOR MOUNTING TO OTHER SUBSTRATES.
- 1/4"-20x9/16" TRACK BOLTS AND 1/4"-20 HEX NUT AT EACH TRACK CLIP LOCATION (SEE DETAIL A SHEET 3)
- 11 GA TRACK CLIPS (WELDED, BOLTED, OR RIVETED TO WALL ANGLE) SEE NOTE 8 AND DETAIL F SHEET 3
- SLIDE LOCK ONE END (NOT REQUIRED WITH OPERATOR - SEE NOTE 5)

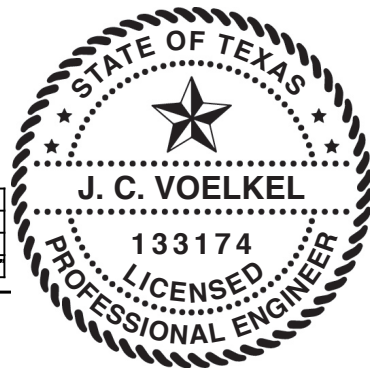
NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1, 2 & 3 OF THIS SHEET FOR GLAZING OPTIONS.

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



SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
MAX DOOR WIDTH	DOOR HEIGHT	MAX UNIFORM LOAD EACH JAMB (PLF)
12'-2"	ALL	+192.2/-215.4

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +31.6/-35.4	MAX WIDTH: 12'-2"
	MAX HEIGHT: 24'-1"
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 24'



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

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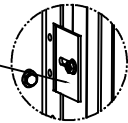
	TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH N/A		DATE	1/14/21
	HOLE DIAMETER	WHOLE NUMBERS: ± .25			DATE	1/14/21
	UNDER .251 +.004/- .003	FRACCTIONS: ± .01	UNIT OF MEASURE	EA	N/A	
	.251 TO .500 +.006/- .003	ANGLES: ± .5°				
	OVER .500 +.008/- .003					
	FRACCTIONS					
	± 1/16					

REF DWG	USED ON					
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DATE	1/14/21
DRAWN BY	T CLARK
CHECKED BY	J QIAN
APPROVED BY	T CLARK

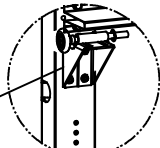
DRAWING TITLE	WIND LOAD OPTION CODE 2025
SERIES	421/423/427/429/434/436
SIZE	316/-35.4 PSF, 12'-2" MAX
DRAWING NUMBER	D-411792
SCALE	N/A
SHEET	1 OF 3

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



DETAIL A

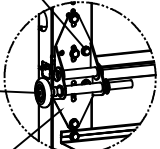
12 GA COMMERCIAL TOP FRAME BRACKET WITH 13 GA ROLLER CARRIER ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS



DETAIL B

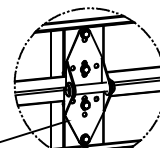
ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS (INSIDE OF EACH INSIDE END HINGE)

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

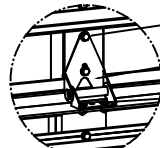


DETAIL C

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



SOLID SECTION



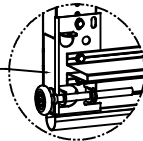
AFV SECTION

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

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

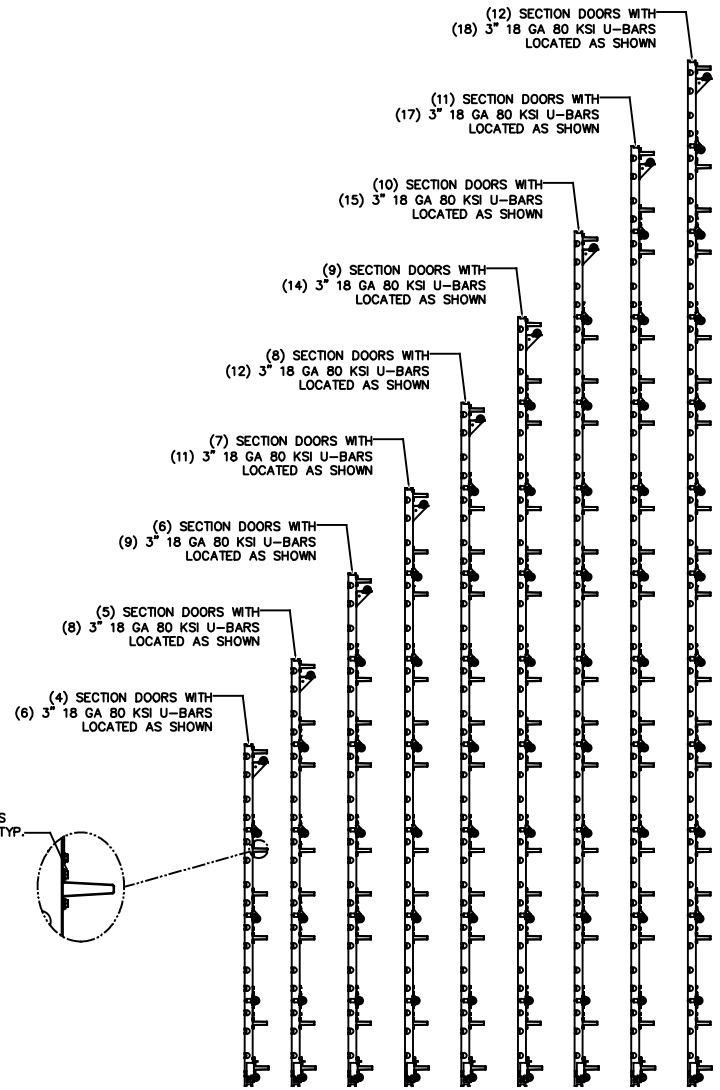
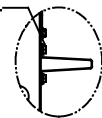
DETAIL D

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

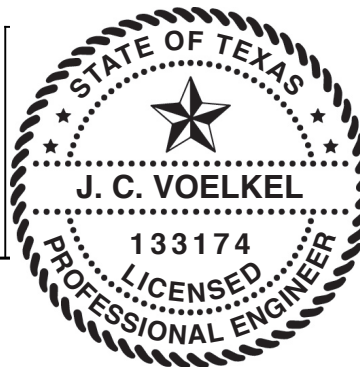


DETAIL E

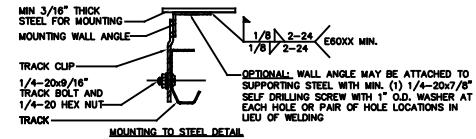
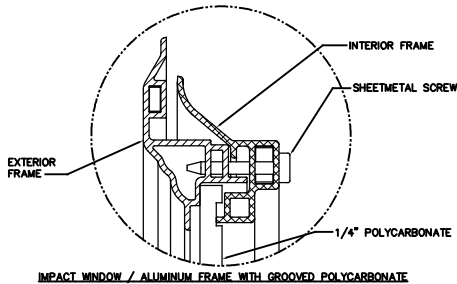
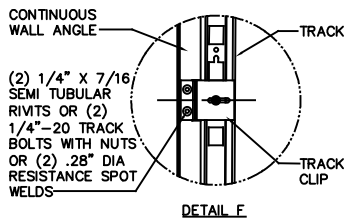
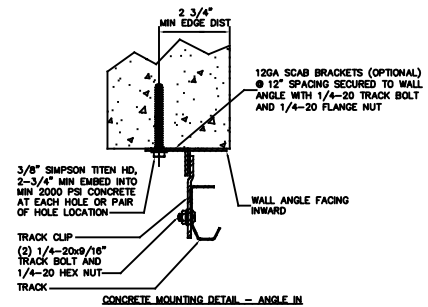
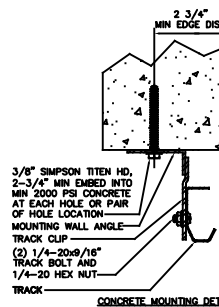
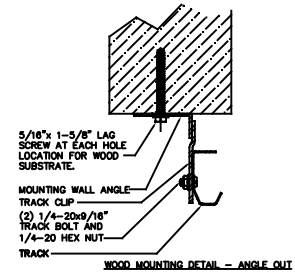
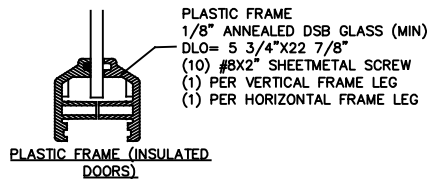
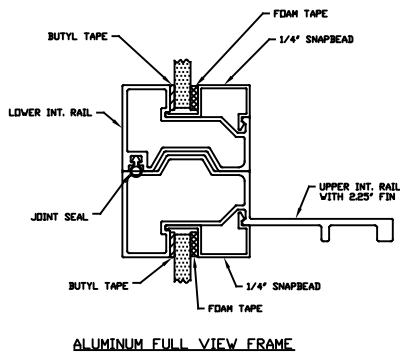
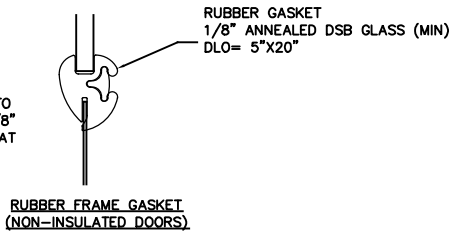
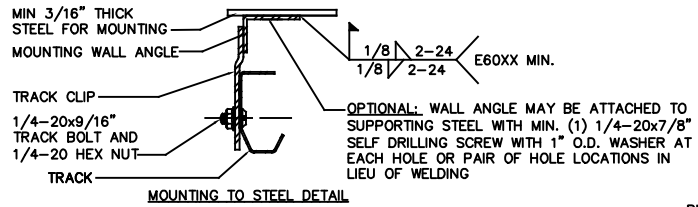
ATTACH U-BARS WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS AT ALL STILE LOCATIONS, TYP.



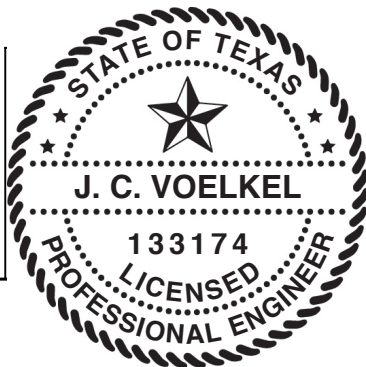
STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +31.6/-35.4	MAX WIDTH: 12'-2"
	MAX HEIGHT: 24'-1"
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 24'



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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 IN	FRACTIONS: ± 1/16	MATERIAL: N/A
DRAWING TITLE: WINDOW OPTION CODE 2025 SERIES 421/423/427/429/434/436, 316/-33.4 PSF, 12'-2" MAX		DRAWING NUMBER: D-411792	
REF DWG USED IN		SHEET 2 OF 3	



STATIC PRESSURE RATINGS	APPROVED SIZES
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