

- NOTES:
1. 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.
 2. MINIMUM OF 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.
 3. SLIDE LOCKS OR OPERATOR REQUIRED.
 4. SECTION STEEL TO HAVE THE FOLLOWING MINIMUM THICKNESS:
C20 - 20 GA
C24 - 24 GA
C2400 - 25 GA
 5. 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.
 6. 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.
 7. 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
- 12 GA MIN HORIZ TRACK
- 12 GA CONTINUOUS WALL ANGLE
- 12 GA MIN VERT TRACK
- 5/16"x1-5/8" LAG SCREW AT EACH PAIR OF HOLE LOCATIONS FOR WOOD SUBSTRATE. SEE SHEET 2 FOR MOUNTING TO OTHER SUBSTRATES.

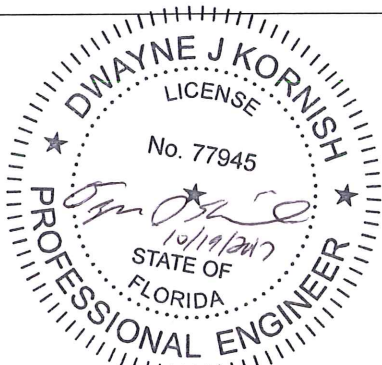
- (2) 1/4-20x9/16" TRACK BOLTS AND 1/4-20 HEX NUTS AT EACH TRACK CLIP LOCATION (SEE DETAIL A SHEET 2)
- 11 GA TRACK CLIPS (WELDED, BOLTED, OR RIVETED TO WALL ANGLE) SEE NOTE 6 AND DETAIL F SHEET 2

SLIDE LOCK BOTH ENDS (NOT REQUIRED WITH OPERATOR - SEE NOTE 3)

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR C-CHANNEL LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTE 1 THIS SHEET FOR GLAZING OPTION.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

MAX DOOR WIDTH	DOOR HEIGHT	MAX UNIFORM LOAD EACH JAMB (PLF)
24'-2"	ALL	+381.8/-427.8



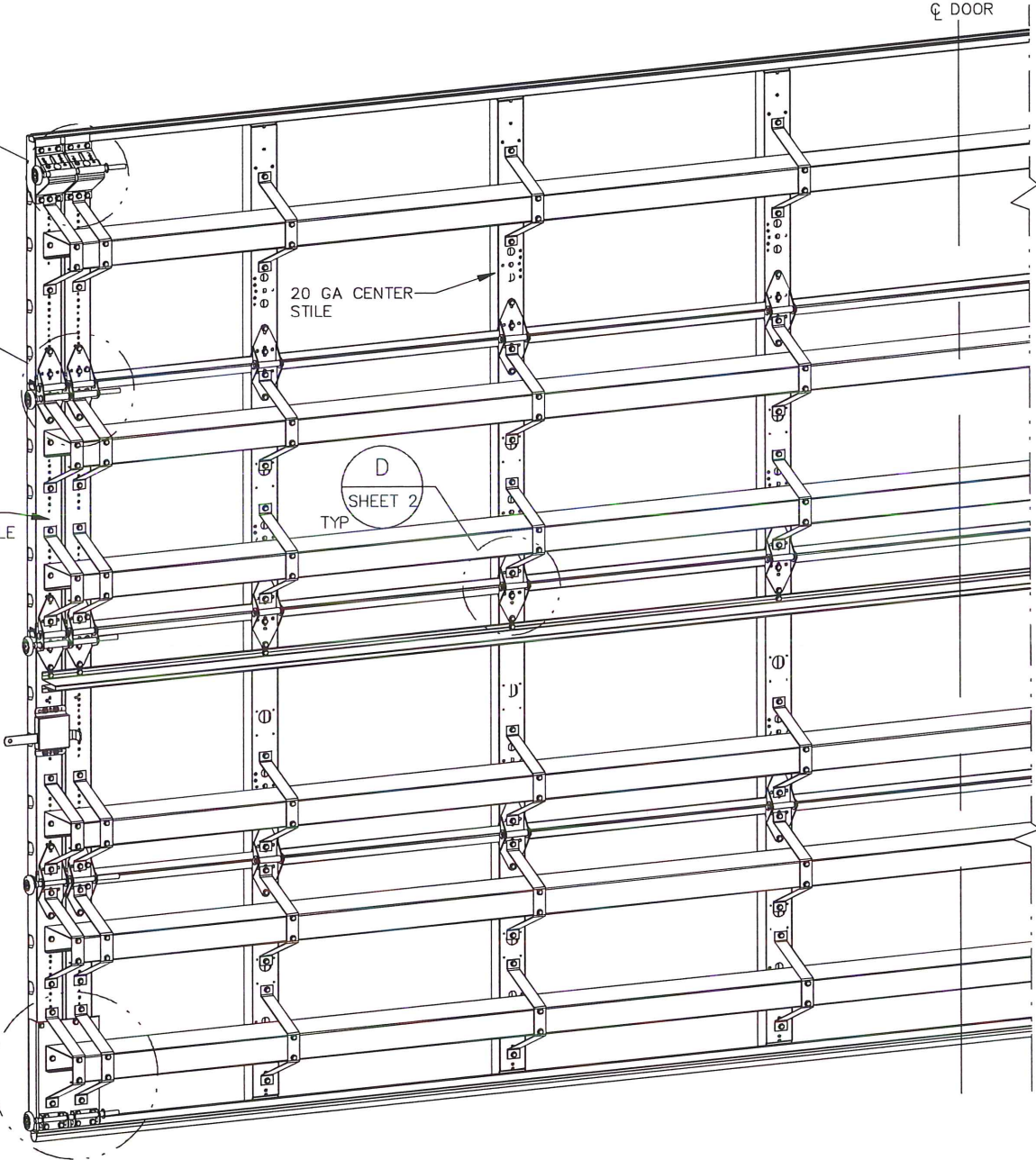
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FL PE 77945
TX PE 117868
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B
SHEET 2

C
SHEET 2

20 GA END STILE
(OUTSIDE END STILE WOOD FILLED)

E
SHEET 2



REVISIONS

- P1 MODIFIED MOUNTING TO STEEL DETAIL. ADDED DETAIL F ON SHEET 2 FOR TRACK CLIPS.
GRT 4/20/08
- P2 DECREASED WALL ANGLE THICKNESS. UPDATED TITLE BLOCK
GRT 3/22/12
- P3 UPDATED TITLE BLOCK
ESC 10/13/17

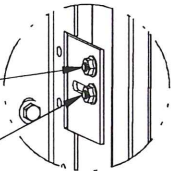


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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+31.60/-35.40	MAX WIDTH:	24'-2"	DATE	NAME		
TEST (PSF):	+47.40/-53.10	MAX HEIGHT:	24'-1"	DRAWN	5/22/07	GRT	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"	CHECKED	10/05/07	MRB		
MODELS C20/C24/C2400					SHEET 1 OF 2		
WINDLOAD SPECIFICATION OPTION CODE 2051					DRAWING PART NO.	REV.	
					332589	P3	

1/4" HOLE IS REQUIRED TO BE DRILLED THROUGH BOTH THE TRACK AND THE TRACK CLIP AT EACH TRACK CLIP LOCATION IN ORDER TO INSTALL SECOND 1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT.

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

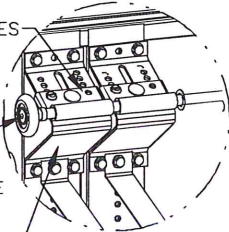


DETAIL A

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

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.

(2) 13 GA COMMERCIAL 'A' FRAME TOP BRACKETS EACH ATTACHED WITH (5) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (1 THROUGH TOP BRACKET AND C-CHANNEL STRAP)

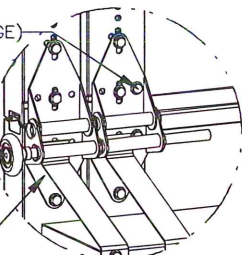


DETAIL B

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

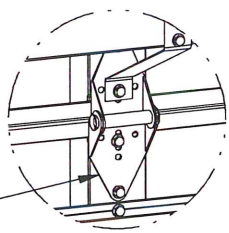
3" STEEL ROLLER WITH 9/16" DIA. x 9" LONG STEM AT ALL ROLLER LOCATIONS EXCEPT TOP AND BOTTOM ROLLERS

11 GA MODIFIED WIDE BODY END HINGE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS



DETAIL C

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



DETAIL D

MIN 3/16" THICK STEEL FOR MOUNTING

MOUNTING WALL ANGLE

1/8" 2-24 1/8" 2-24 E60XX MIN.

TRACK CLIP

1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT

TRACK

OPTIONAL: WALL ANGLE MAY BE ATTACHED TO SUPPORTING STEEL WITH MIN. (1) 1/4-20x7/8" SELF DRILLING SCREW WITH 1" O.D. WASHER AT EACH HOLE OR PAIR OF HOLE LOCATIONS IN LIEU OF WELDING

MOUNTING TO STEEL DETAIL

2 3/4" MIN EDGE DIST

3/8" SIMPSON TITEN HD, 2-3/4" MIN EMBED INTO MIN 2000 PSI CONCRETE AT EACH HOLE OR PAIR OF HOLE LOCATION

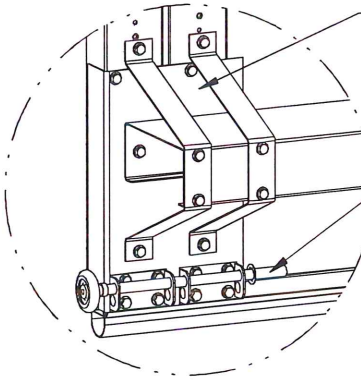
MOUNTING WALL ANGLE

TRACK CLIP

(2) 1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT

TRACK

CONCRETE MOUNTING DETAIL



DETAIL E

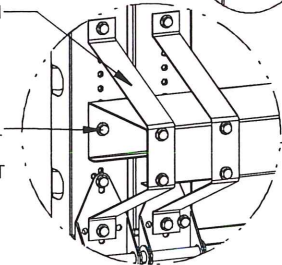
11 GA DOUBLE BOTTOM BRACKET ATTACHED WITH (14) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (4 OF WHICH ARE USED IN ATTACHMENT OF CHANNEL AND STRAPS AND 8 OF WHICH ARE USED TO ATTACH 12 GA ROLLER CARRIERS)

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

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

ATTACH EACH 6" STRAP WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH STILE LOCATION AS SHOWN

ATTACH EACH 6" C-CHANNEL WITH (1) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREW AT EACH STILE LOCATION AS SHOWN



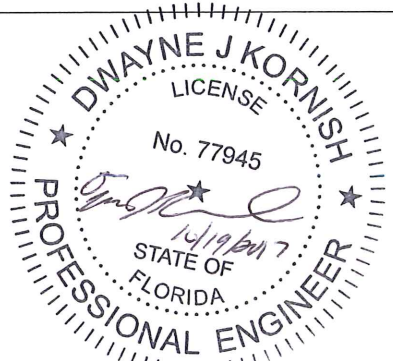
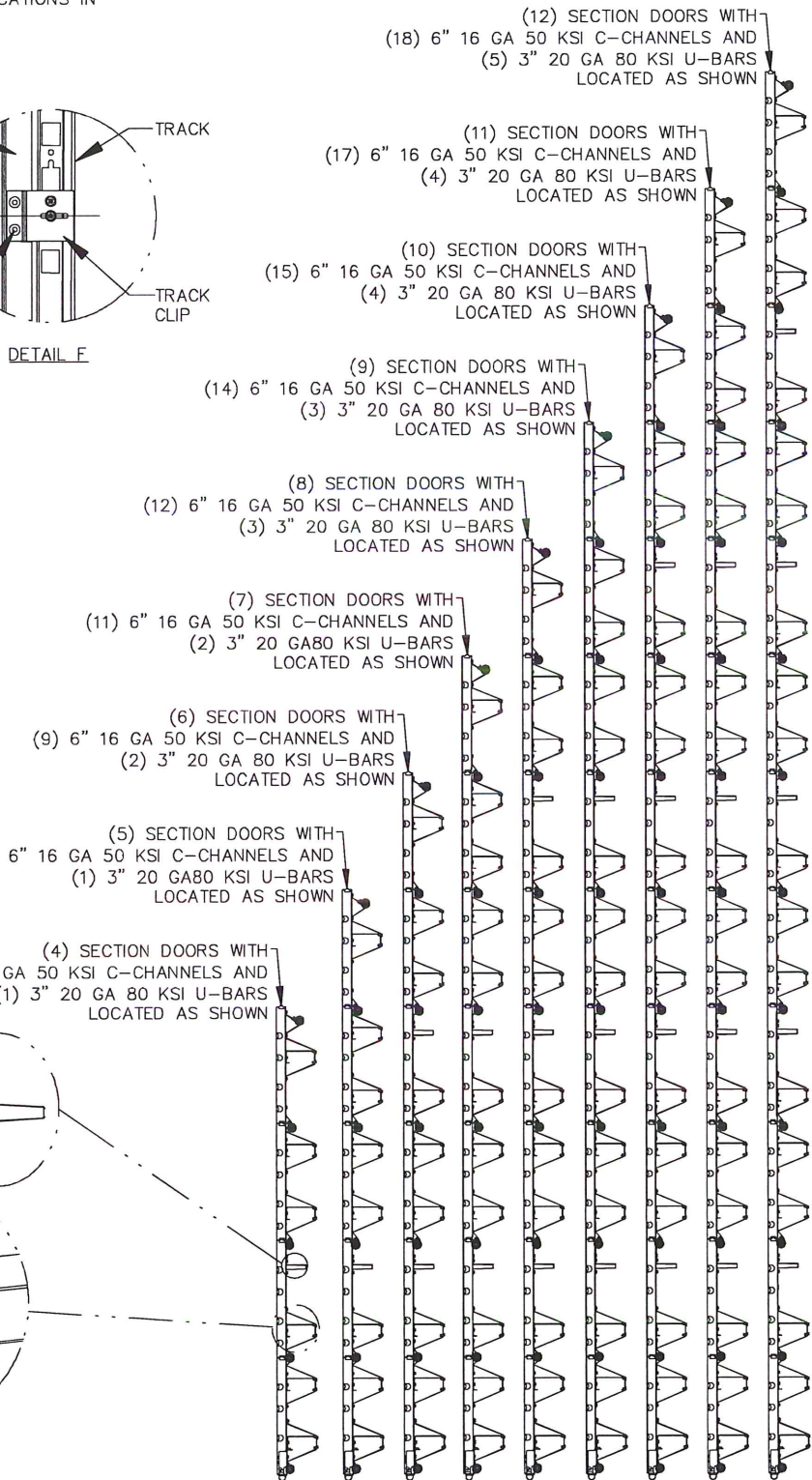
CONTINUOUS WALL ANGLE

(2) 1/4" X 7/16" SEMI TUBULAR RIVETS OR (2) 1/4"-20 TRACK BOLTS WITH NUTS OR (2) .28" DIA RESISTANCE SPOT WELDS

TRACK

TRACK CLIP

DETAIL F



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MODELS C20/C24/C2400				SHEET 2 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 2051				DRAWING PART NO.		REV.	
				332589		P3	

REVISIONS

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P2 DECREASED WALL ANGLE THICKNESS. UPDATED TITLE BLOCK GRT 3/22/12

P3 UPDATED TITLE BLOCK ESC 10/13/17