

**NOTES:**

1. 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. 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 3-5/8" INTEGRAL FIN WITH .125" MINIMUM DSB GLAZING INSTALLED WITH ALUMINUM RETAINERS IN ORDER TO MEET UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.

3. MINIMUM OF 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.

4. SLIDE LOCKS OR OPERATOR REQUIRED.

5. SECTION STEEL TO HAVE THE FOLLOWING MINIMUM THICKNESS:

TS 150 - 30 GA EXTERIOR, 26 GA INTERIOR  
 TS 200 - 26 GA EXTERIOR, 26 GA INTERIOR  
 TS 200-20 - 20 GA EXTERIOR, 27 GA INTERIOR

6. A 21 GA X 2-1/4" X 3-3/4" BACKUP PLATE SHALL BE LOCATED AT EACH INTERMEDIATE HINGE LOCATION.

7. 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.

8. 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.

9. WHEN MOUNTING TO WOOD, DOOR JAMB TO BE MINIMUM 2x6 NO. 2 SPF LUMBER OR BETTER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

- 13 GA HORIZ ANGLE
- 16 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 2" TRACK OR FOR EACH PAIR OF HOLES FOR 3" TRACK 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 B AND DETAIL F SHEET 2

SLIDE LOCK EACH END (NOT REQUIRED WITH OPERATOR - SEE NOTE 4)

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.

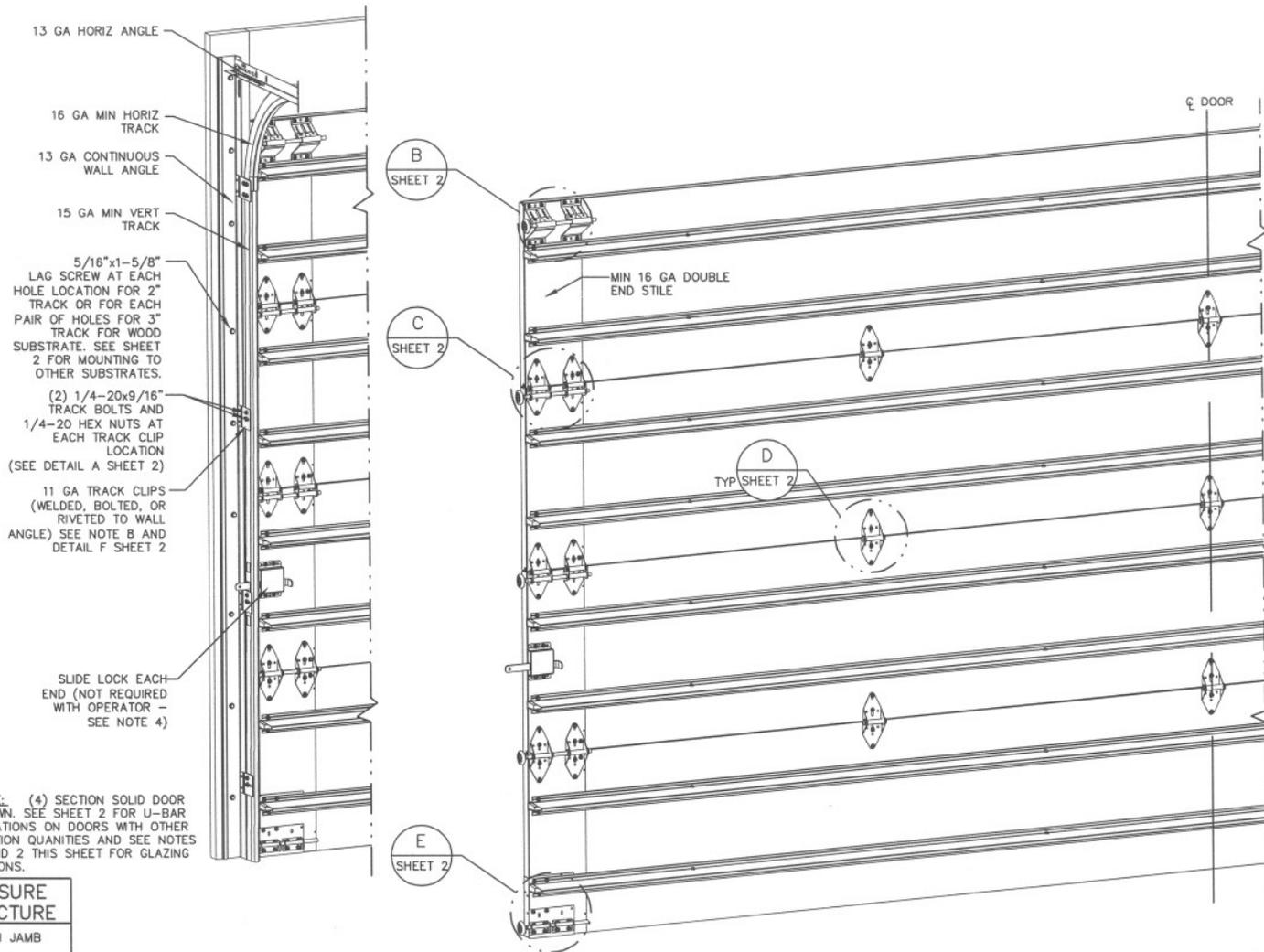
**SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE**

MAX DOOR WIDTH	DOOR HEIGHT	MAX UNIFORM LOAD EACH JAMB (PLF)
16'-2"	ALL	+222.3/-250.6

*MRB*  
 5/30/08  
 TX PE 93119

MARK R. BARROW, PE  
 FLORIDA LICENSE NO. 57389

REVISIONS
P1 REMOVED SECTION LIMITATION FOR STANDARD GLAZING GRT 5/9/08



3395 ADDISON DRIVE  
 PENSACOLA, FLORIDA 32514  
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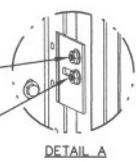
STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+27.50/-31.00	MAX WIDTH:	16'-2"	DATE		NAME	
TEST (PSF):	+41.25/-46.50	MAX HEIGHT:	24'-1"	DRAWN	9/6/07	GRT	
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24"	CHECKED	4/11/08	MRB	
MODEL TS 150/200/200-20				SHEET 1 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 2142				DRAWING PART NO.		REV.	
				332633		P1	

REVISIONS

P1 REMOVED SECTION LIMITATION FOR STANDARD GLAZING GRT 5/9/08

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.

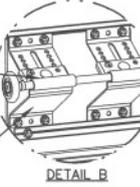
1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT THROUGH THE SLOT IN THE TRACK AND TRACK CLIP



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

(2) 13 GA COMMERCIAL "A" FRAME TOP BRACKETS EACH ATTACHED WITH (4) 1/4-20x11/16" SELF DRILLING SCREWS

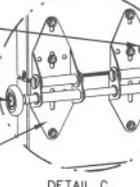


DETAIL B

ADD (2) 1/4-20x11/16" SELF DRILLING SCREWS (INSIDE OF ALL INSIDE END HINGES)

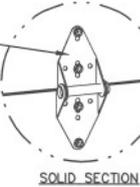
2" STEEL ROLLER WITH 9" GRADE 1144 OR EQUIVALENT STEM

(2) 14 GA WIDE BODY END HINGES EACH ATTACHED WITH (4) 1/4-20x11/16" SELF DRILLING SCREWS



DETAIL C

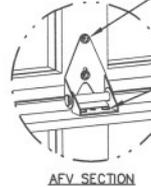
14 GA WIDE BODY HINGE ATTACHED WITH (4) 1/4-20x11/16" SELF DRILLING SCREWS



SOLID SECTION

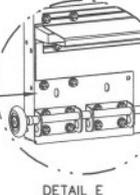
14 GA WIDE BODY HALF HINGE ATTACHED WITH (2) 1/4-20x11/16" SELF DRILLING SCREWS (UPPER HALF)

(2) 1/4x1/2" CARRIAGE BOLTS AND 1/4" FLANGE NUTS (LOWER HALF)



AFV SECTION

11 GA DOUBLE BOTTOM BRACKET ATTACHED WITH (12) 1/4-20x11/16" SELF DRILLING SCREWS (8 OF WHICH ARE USED TO ATTACH 12 GA ROLLER CARRIERS AND 2 WHICH ARE USED TO ATTACH U-BAR)



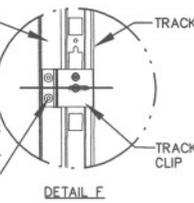
DETAIL E

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

MIN 3/16" THICK STEEL FOR MOUNTING

MOUNTING WALL ANGLE

1/8" 2-24 E60XX MIN.

1/8" 2-24

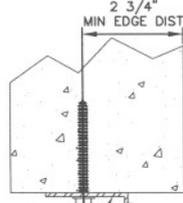
TRACK CLIP

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

TRACK

MOUNTING TO STEEL DETAIL

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



CONCRETE MOUNTING DETAIL

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

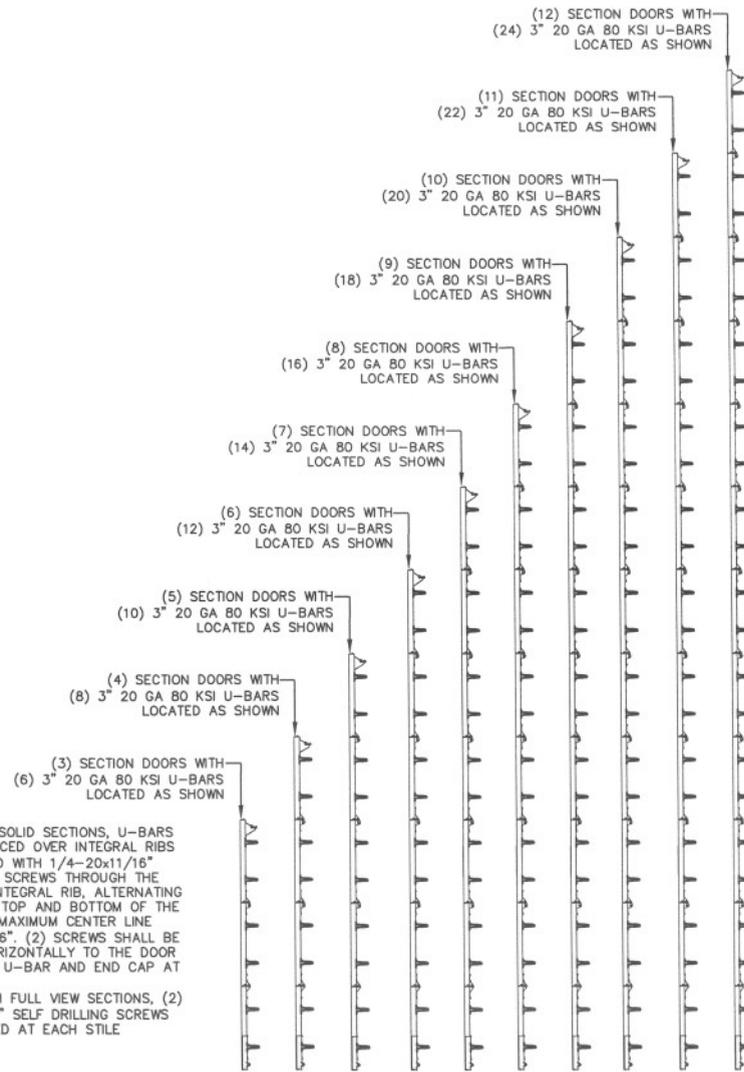
MOUNTING WALL ANGLE

TRACK CLIP

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

TRACK

U-BAR LOCATIONS



NOTE: FOR SOLID SECTIONS, U-BARS SHALL BE PLACED OVER INTEGRAL RIBS AND ATTACHED WITH 1/4-20x11/16" SELF DRILLING SCREWS THROUGH THE U-BAR AND INTEGRAL RIB, ALTERNATING BETWEEN THE TOP AND BOTTOM OF THE U-BAR AT A MAXIMUM CENTER LINE SPACING OF 36". (2) SCREWS SHALL BE INSTALLED HORIZONTALLY TO THE DOOR THROUGH THE U-BAR AND END CAP AT EACH END.

FOR ALUMINUM FULL VIEW SECTIONS, (2) 1/4-20x11/16" SELF DRILLING SCREWS SHALL BE USED AT EACH STILE LOCATION.

*MRB*  
5/30/08  
TX PE 93119

MARK R. BARROW, PE  
FLORIDA LICENSE NO. 57389

**Wayne Dalton**

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
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IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24"	CHECKED	MRB		
MODEL TS 150/200/200-20				SHEET 2 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 2142				DRAWING PART NO.		REV.	
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