

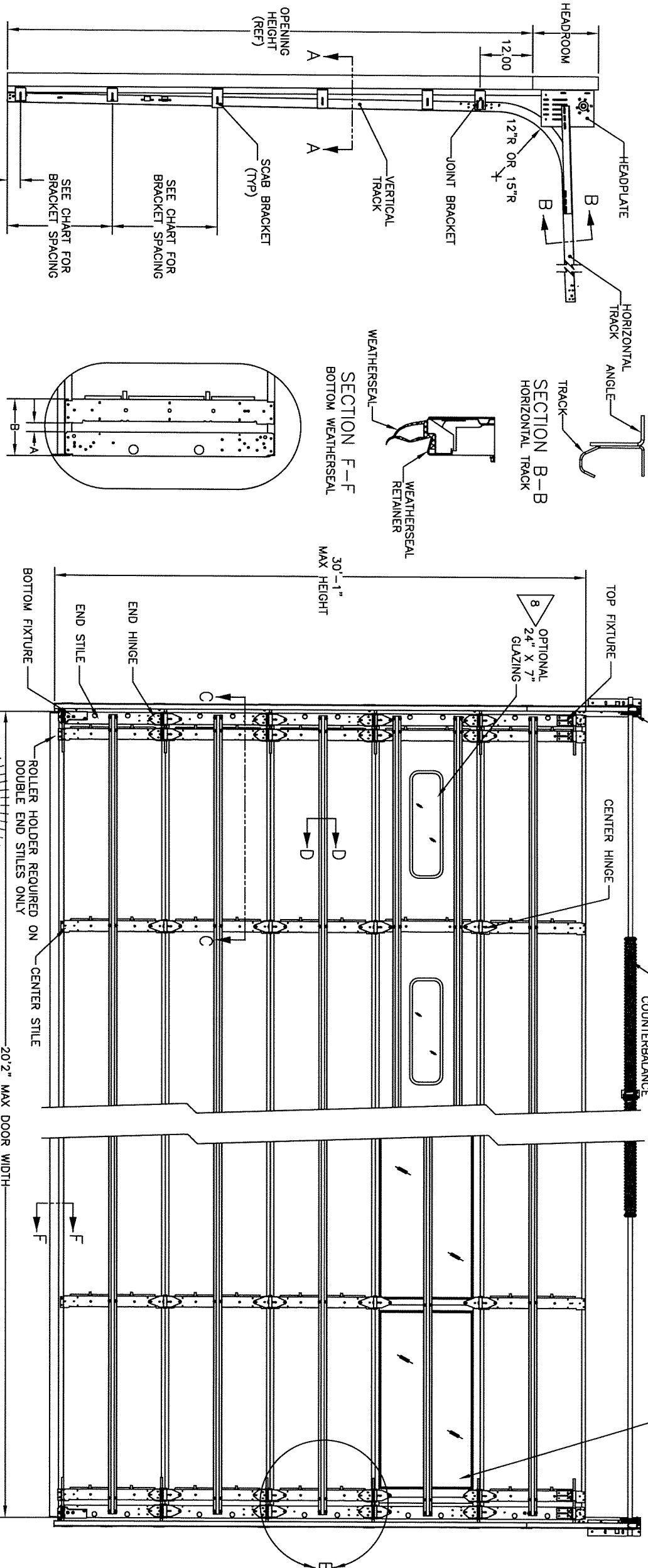
NOTES

- DESIGNED AND TESTED IN ACCORDANCE WITH WIND LOAD PROVISIONS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE. PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WIND LOAD CONSTRUCTION DETAILS.
 - PRESSURES LISTED AS POSITIVE/NEGATIVE (DESIGN).
 - SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS, 24" MAXIMUM SECTION HEIGHT.
 - LIFT CLEARANCE OR FULL VERTICAL TRACK MAY ALSO BE USED.
 - LOW HEADROOM TRACK MAY BE USED WITH EITHER DRAWBAR OPERATOR OR LOCK.
 - FASTENING METHODS (TRACK TO WALL).
- JAMB BRACKETS (TYP WOOD JAMBS) STYLE TRACK-- 5/16" x 1 3/4" LAG BOLT, OR EQUIVALENT.
 - ALTERNATE ANGLE MOUNT--SEE SHEET 2
 - FOR COMMERCIAL HARDWARE DETAILS SEE DRAWING 408717.
 - STRUTS TO BE ATTACHED ± 3" FROM CENTER LINE OF SECTION.
 - MULTIPLE ALUMINUM FULL VIEW OR GLAZED SECTIONS MAY REPLACE ANY SECTION EXCEPT TOP AND BOTTOM SECTIONS.
 - ALUMINUM FULL VIEW SECTIONS TO BE INSTALLED WITH MIN 1/8 DSB GLAZING AND ALUMINUM RETAINERS TO MEET THE LISTED STATIC DESIGN PRESSURES.
 - MAX WIDTH 22 FT. FOR ALUMINUM FULL VIEW SECTIONS AT THE LISTED DESIGN PRESSURES.
 - GLAZING FRAME OPTION-1/8" MIN DSB GLAZING MEETS UNIFORM STATIC DESIGN PRESSURES LISTED ON

- THIS DRAWING, GLAZING FRAME SHALL HAVE MAX HEIGHT OF 7" AND MAX LENGTH OF 24".
- GLAZING OPTIONS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND BORNE DEBRIS REGIONS.
 - STRUTS ON FULL VIEW OF GLAZED SECTION(S) TO MATCH THE STRUTS ON THE ADJACENT STEEL SECTIONS.
- STRUT OR Z STRUT INSTALLATION:
 - FOR STRUTS ONLY-- USE ONE SCREW (P/N 605879-0002) ON BOTH SIDES OF STRUT AT EACH END STILE AND CENTER STILE.
 - FOR Z STRUT (P/N 407756-XXXX) OR 6" C-CHANNEL (410819-XXXXXX).
 - REFERENCE WINDLOAD SPECIFICATION CHART FOR END STILE REQUIREMENTS (SEE DETAIL E).
 - WHEN STANDARD SECTION WITH DOUBLE END STILE, A = 1.00" AND B = 6.5"
 - WHEN FULL VISION WITH DOUBLE END STILE, A = 1.00" AND B = 6.5"

REVISIONS				
REV	DESCRIPTION	DATE	APPROVAL	
501337	E	10/12/11	SFT	
32499	F	ADDED SECOND PAGE	10/6/20	TLC
32933	G	ADDED 2" X 3" 20GA STRUTS	05/05/25	M.DAVIS

- THE 6" TALL, 16GA, Z(407756-0001) OR (2) HS-3 MAY BE SUBSTITUTED FOR 6" 16GA (410819).
- 2" 20GA STEEL STRUTS (412619-XXXX2) MAY BE SUBSTITUTED FOR HS-1 (400650-0001).
- 3" 20GA STEEL STRUTS (41186-XXXX2) MAY BE SUBSTITUTED FOR HS-2 STRUTS (400650-0002).

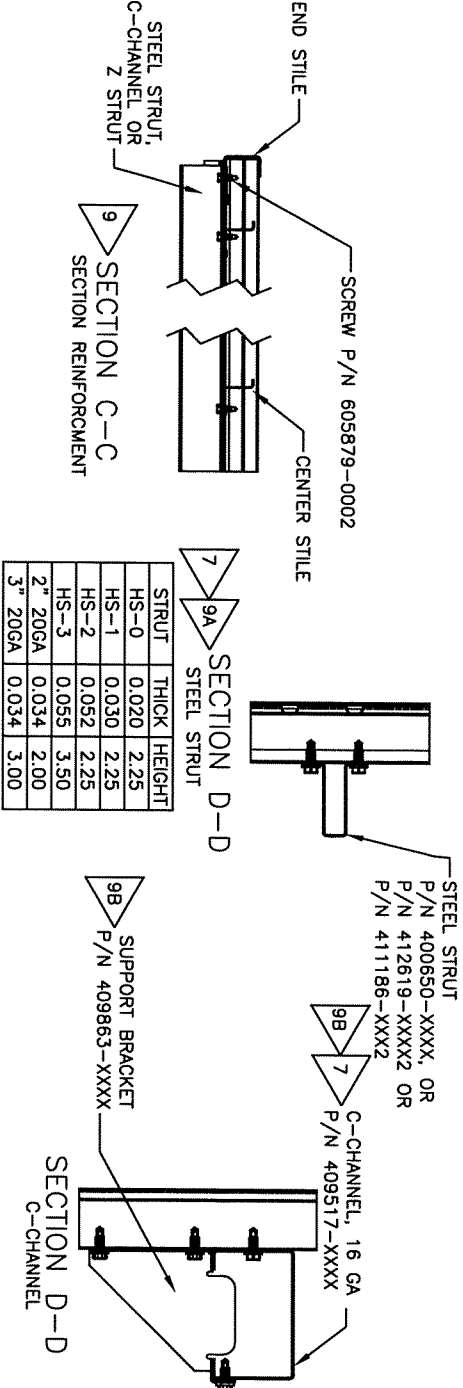


DETAIL E
DOUBLE END STILE

SIDE ELEVATION OF TYPICAL COMMERCIAL TRACK

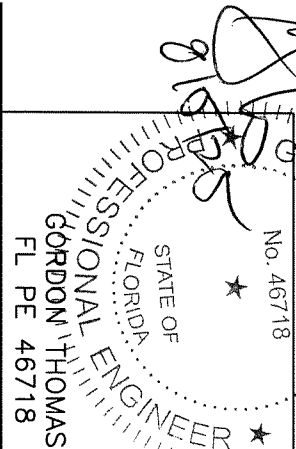
SECTION A-A
JAMB BRACKET MOUNT
(TYP, WOOD JAMBS)

3" FOR BRACKET SPACING OF 12" OR 24"
12" FOR BRACKET SPACING OF 36"



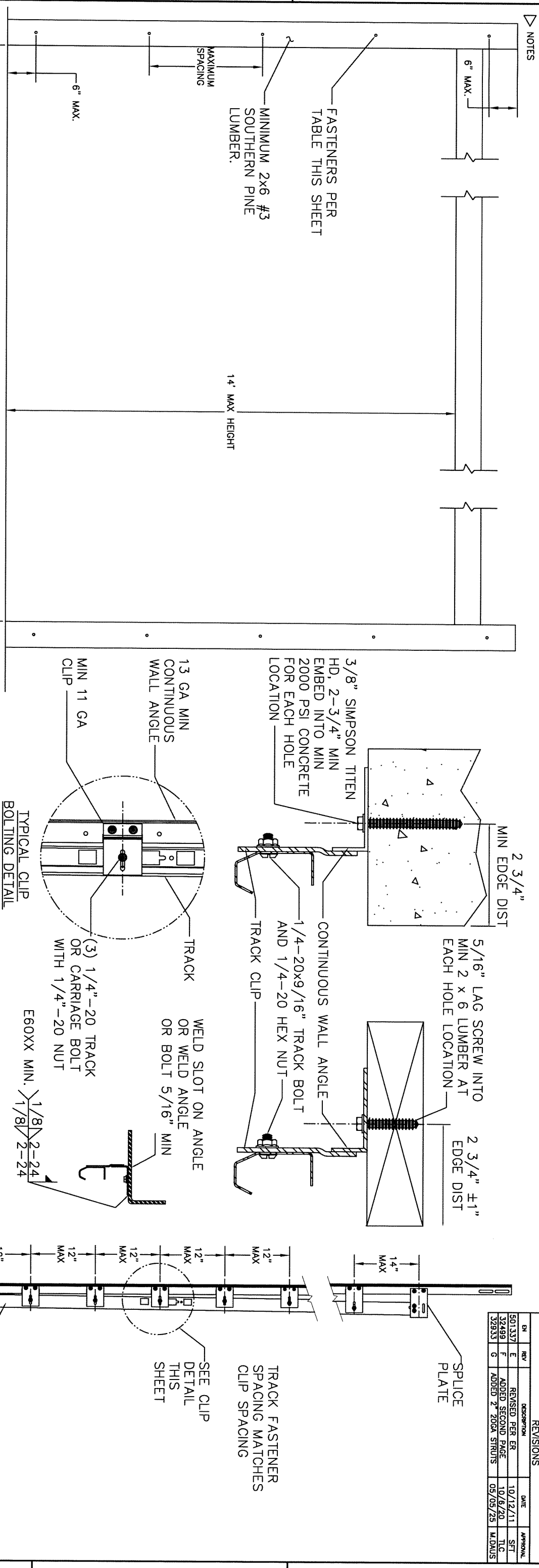
INTERIOR DOOR ELEVATION

SERIES 430/432: 18/-18 PSF WINDLOAD									
DOOR WIDTH UP TO	END STILE QTY	CENTER STILE QTY	STRUT TYPE	ROLLER TYPE	TIRE DIA.	STEM DIA.	BRACKET/VERTICAL SPACING	JAMB LOAD (LB/FT)	HARDWARE
8'2"	SINGLE 1	1	HS-1	TR-3	2"	7/16"	24"	74	STANDARD COMMERCIAL
10'2"	SINGLE 2	1	HS-1	TR-3	2"	7/16"	24"	92	STANDARD COMMERCIAL
12'2"	SINGLE 3	1	HS-2	TR-3	2"	7/16"	24"	110	STANDARD COMMERCIAL
14'2"	SINGLE 4	1	HS-3	TR-3	2"	7/16"	24"	128	STANDARD COMMERCIAL
16'2"	DOUBLE 5	1	HS-3	TR-3	2"	7/16"	12"	146	STANDARD COMMERCIAL
18'2"	DOUBLE 6	1	C (16GA)	TR-3	2"	7/16"	12"	164	STANDARD COMMERCIAL
20'2"	DOUBLE 6	1	C (16GA)	TR-3	2"	7/16"	12"	182	STANDARD COMMERCIAL



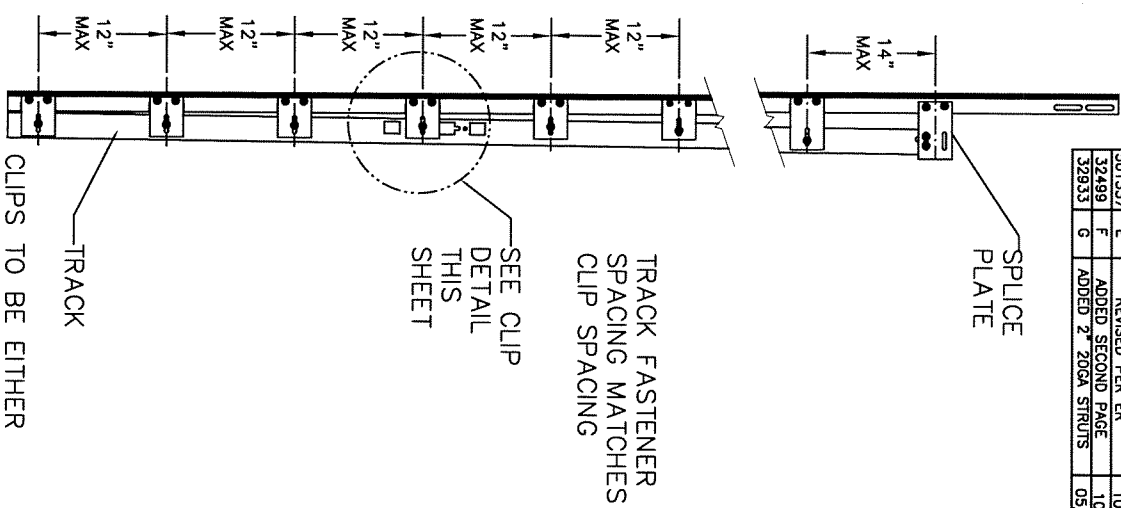
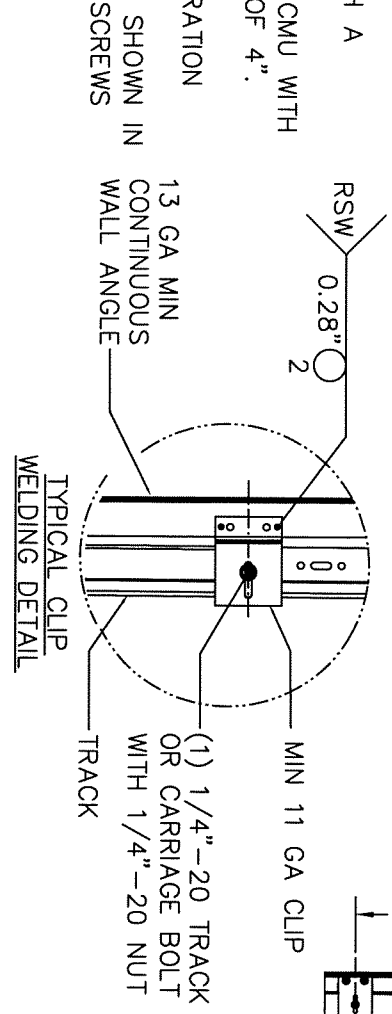
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TOLERANCES (UNLESS OTHERWISE SPECIFIED)		FINISH		WELDING		DRILLING		DRAWING	
WHOLE NUMBERS:	± .25	N/A	N/A	WELDING	N/A	DRILLING	N/A	WINDLOAD, 430/432, 18/-18 PSF, 20'-2" MAX	SCALE N/A
ANGLES:	± .03	UNIT OF MEASURE	EA	WELDING	N/A	DRILLING	N/A	18/-18 PSF, 20'-2" MAX	SHEET 1 OF 2
Holes:	± .5"	UNIT OF MEASURE	EA	WELDING	N/A	DRILLING	N/A	18/-18 PSF, 20'-2" MAX	
REF DWG	USED ON	DATE	BY	APPROVED	DATE	BY	APPROVED	DATE	BY

REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
501.337	E	REVISED PER ER	10/12/11	SJT
32489	F	ADDED SECOND PAGE	10/6/20	TLC
32933	G	ADDED 2" 20GA STRUTS	05/05/25	M.DAVIS



1. BASED ON 3/8" SIMPSON TITEN HEAVY DUTY SCREW ANCHOR WITH A 1" O.D. WASHER INTO CONCRETE WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4" AND A MINIMUM EDGE DISTANCE OF 2-3/4".
2. BASED ON 3/8" SIMPSON TITEN HEAVY DUTY SCREW ANCHOR WITH A 1" O.D. WASHER INTO GROUT FILL WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4", A MINIMUM EDGE DISTANCE OF 4", AND A MINIMUM END DISTANCE FROM CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND GROUT SHALL CONFORM TO ASTM C476.
3. BASED ON 3/8" DIAMETER x 3" LONG LAG SCREWS WITH 1" O.D. WASHERS WITH A 1-9/32" THREAD PATTERN INTO SEASONED DRY WOOD SUPPORTING STRUCTURE.
4. PROVIDE QUANTITY OF SCREW ANCHORS OR LAG SCREWS AS REQUIRED TO MAINTAIN MAXIMUM SPACING BETWEEN TABLE WITH A MINIMUM OF THREE (3) SCREW ANCHORS OR LAG SCREWS PER JAMB. SCREW ANCHORS OR LAG SCREWS AT TOP AND BOTTOM OF JAMB SHALL BE PLACED A MAXIMUM OF 6" FROM THE END OF THE JAMB.
5. LOAD PER JAMB CALCULATED TO BE A MAXIMUM OF +/-181.5 LBS PER FOOT.
6. CHART INCLUDES A SAFETY FACTOR OF 4.
7. DOOR JAMB TO BE MINIMUM 2x6 NO. 3 SOUTHERN PINE LUMBER (MIN) MOUNTED DIRECTLY TO SUPPORT STRUCTURE.
8. DESIGN OF THE SUPPORT STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE LOADS LISTED IN NOTE 5.
9. SCREW ANCHORS OR LAG SCREWS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

MAX SPACING OF ANCHORS/SCREWS PER JAMB (IN)		
3/8" SIMPSON TITEN HD SCREW ANCHOR TO MINIMUM 2000 PSI CONCRETE ^{NOTE 1}	3/8" SIMPSON TITEN HD SCREW ANCHOR TO MINIMUM 2000 PSI GROUT FILLED CMU ^{NOTE 2}	3/8" X 3" LONG LAG SCREW ^{NOTE 3}
24	24	24



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ANY OF THIS DRAWING OR INFORMATION IS TO BE MADE TO OPERATE AS A LICENSE OR AUTHORIZATION TO USE IT FOR ANY PURPOSE WITHOUT THE SPECIFIC WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION.				NO HOLE REINFORCING		TOLERANCES UNLESS OTHERWISE SPECIFIED		WHOLE NUMBERS: ± .25 X ± .1 XXX ± .03 XXX ± .010 ANGLES: ± .5° HOLES: ±		REF DWG USED ON	
FINISH				N/A		MEASURE		EA		EA	
MATERIAL				N/A		TRADE		NAME		DATE	
DRAWING BY:				J QIAN		3/27/20		WINDLOAD, 430/432, 18/-18 PSF, 20'-2" MAX		DRAWING NUMBER	
CHECKED BY:				T CLARK		10/12/20		D - 410168		SHEET 2 OF 2	
APPROVED BY:				L KRUPKE		10/12/20		N/A		SCALE	