

- 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.

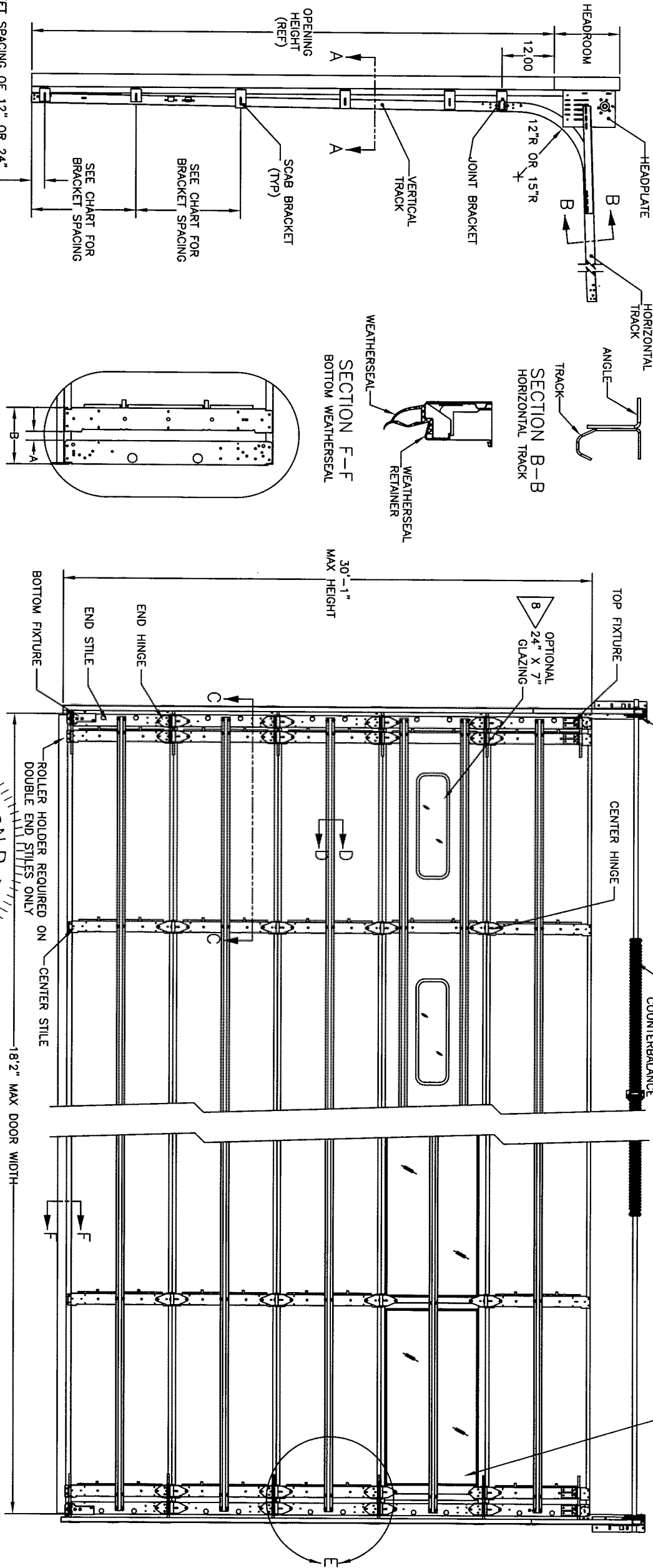
- A. JAMB BRACKETS (TYP WOOD JAMBS) STYLE TRACK-- 5/16" x 1 3/4" LAG BOLT, OR EQUIVALENT.
- B. ALTERNATE ANGLE MOUNT--SEE SHEET 2
6. FOR COMMERCIAL HARDWARE DETAILS SEE DRAWING 408717.
7. STRUTS TO BE ATTACHED ± 3" FROM CENTER LINE OF SECTION.
8. MULTIPLE ALUMINUM FULL VIEW OR GLAZED SECTIONS MAY REPLACE ANY SECTION EXCEPT TOP AND BOTTOM SECTIONS.
9. ALUMINUM FULL VIEW SECTIONS TO BE INSTALLED WITH MIN 1/8" DSB GLAZING AND ALUMINUM RETAINERS TO MEET THE LISTED STATIC DESIGN PRESSURES.
10. MAX WIDTH 14 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 SECTIONS(S) TO MATCH THE STRUTS ON THE ADJACENT STEEL SECTIONS.
9. STRUT OR Z STRUT INSTALLATION:
- A. FOR STRUTS ONLY-- USE ONE SCREW (P/N 605879-0002) ON BOTH SIDES OF STRUT AT EACH END STILE AND CENTER STILE.
- B. FOR Z STRUT (P/N 407756-XXXX) OR 6" C-CHANNEL (410819-XXXXXX).

- USE 1 SCREW (P/N 605879-0002) AT EACH END STILE AND CENTER STILE TO ATTACH.
- ATTACH A STRUT STRAP AT EVERY HINGE.
- USE ONE SCREW AT THE TOP AND BOTTOM RAIL OF THE SECTION AND ONE SCREW THROUGH Z STRUT (ATTACH 6" TALL C-CHANNEL TO STRAP WITH 2X SCREWS PER STRAP LOCATION).
10. 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	REV	DESCRIPTION	DATE	APPROVED
501337	E	REVISED PER ER	10/12/11	SJT
32489	F	ADDED SECOND PAGE	10/6/20	TLC
32933	G	ADDED 2 & 3 200A STRUTS	05/05/25	M.D.M.

OPTIONAL FULL VIEW SECTION



SECTION F-F BOTTOM WEATHERSEAL

SECTION B-B HORIZONTAL TRACK

SECTION E-E DOUBLE END STILE

SIDE ELEVATION OF TYPICAL COMMERCIAL TRACK

INTERIOR DOOR ELEVATION

SECTION A-A JAMB BRACKET MOUNT (TYP. WOOD JAMBS) 3" FOR BRACKET SPACING OF 12" OR 24" 12" FOR BRACKET SPACING OF 36"

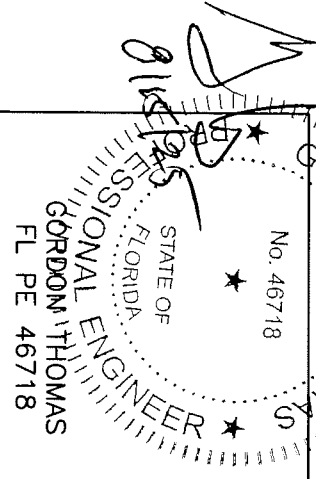
SECTION D-D STEEL STRUT

SECTION C-C SECTION REINFORCEMENT

STRUT	THICK	HEIGHT
HS-0	0.020	2.25
HS-1	0.030	2.25
HS-2	0.052	2.25
HS-3	0.055	3.50
2" 20GA	0.034	2.00
3" 20GA	0.034	3.00

STEEL STRUT P/N 400650-XXXX, OR P/N 412619-XXXX2 OR P/N 411186-XXXX2

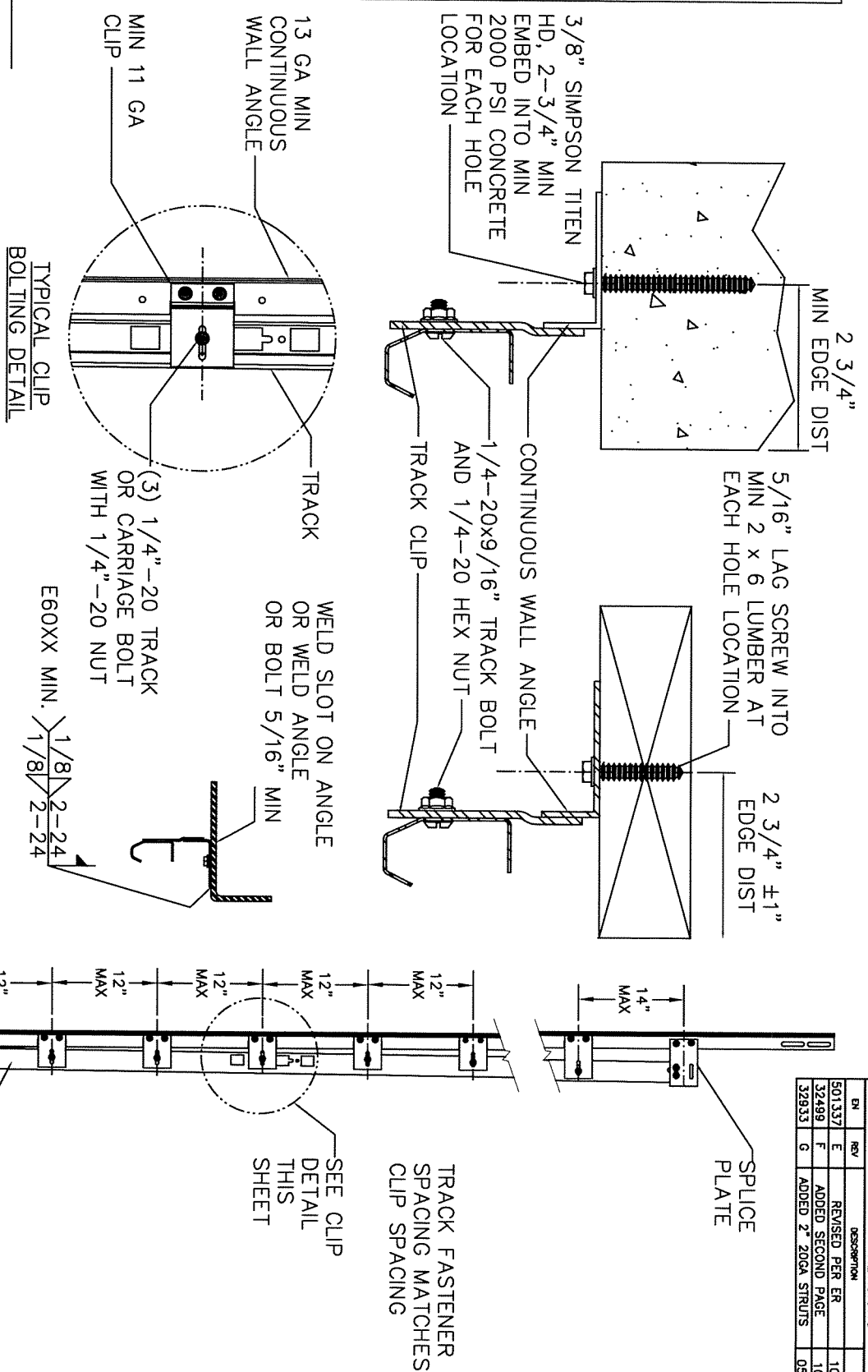
END STILE SCREW P/N 605879-0002 CENTER STILE



SERIES 416/418: 37/-37 PSF WINDLOAD									
DOOR WIDTH UP TO	END STILE QTY	CENTER STILE QTY	STRUT TYPE	ROLLER TYPE	STEM DIA.	BRACKET MAX SPACING	VERTICAL GAGE	JAMB LOAD (LB/FT)	HARDWARE
8.2"	DOUBLE	1	HS-1	TR-3	2"	7/16"	24"	0.049"	151 STANDARD
10.2"	DOUBLE	2	HS-2	TR-3	2"	7/16"	12"	0.068"	188 STANDARD
12.2"	DOUBLE	2	HS-2	TR-5	2"	7/8"	12"	0.068"	225 STANDARD
14.2"	DOUBLE	4	HS-3	TR-5	2"	7/8"	12"	0.068"	262 HEAVY
16.2"	DOUBLE	5	HS-3	TR-5	2"	7/8"	12"	0.068"	299 HEAVY
18.2"	DOUBLE	5	HS-3	TR-5	2"	7/8"	12"	0.068"	336 HEAVY

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REF. DWG.	USED ON	DATE	BY	CHKD BY	DATE	SCALE	SHEET



- A

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TOLERANCES UNLESS OTHERWISE SPECIFIED:									
WHOLE NUMBERS: ± .25									
FRACTIONS: ± .03									
DECIMALS: ± .010									
ANGLES: ± .5									
HOLES: ± .5									
FINISH: N/A									
DATE: 3/27/20									
BY: J. CLARK									
APPROVED BY: 10/12/20									
DRAWING NUMBER: D-410157									
REVISION: 1/1/20 2									

