

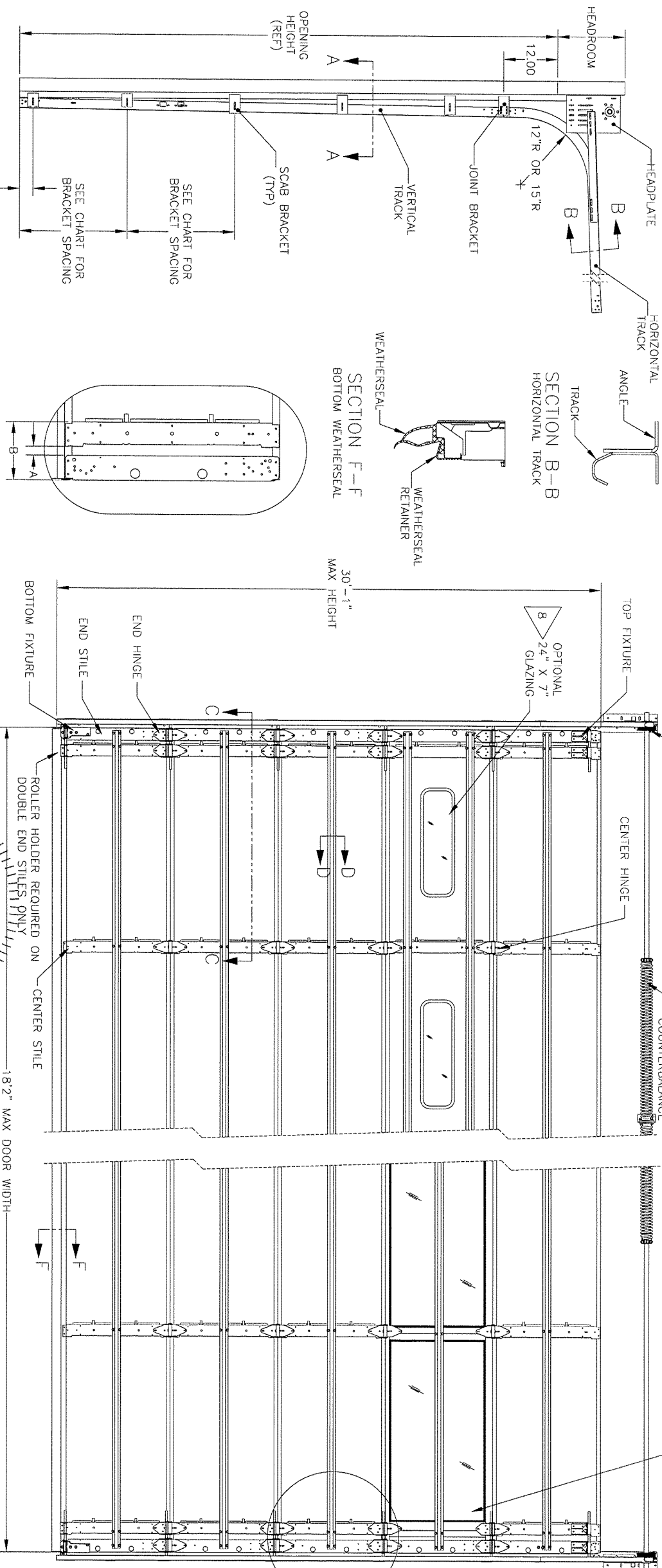
- NOTES
- DESIGNED AND TESTED IN ACCORDANCE WITH WIND LOAD PROVISIONS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE. PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WIND LOAD CONSTRUCTION DETAILS.
 - PRESSURES LISTED AS POSITIVE/NEGATIVE (DESIGN).
 - SECTION HEIGHTS MAY 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), SPACING BASED ON BRACKET SPACING (SEE CHART BELOW):

- 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 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.
- 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).

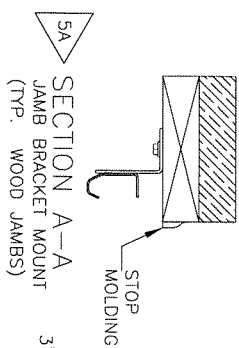
- USE 1 SCREW (P/N 605879-0002) AT EACH END STILE AND CENTER STILE TO ATTACH.
- ATTACH A STRUT STRAP AT EVERY HINGE.
- USE ONE SCREW AT THE TOP AND BOTTOM RAIL OF THE SECTION AND ONE SCREW THROUGH Z STRUT (ATTACH 6" TALL C-CHANNEL TO STRAP WITH 2X SCREWS PER STRAP LOCATION).
- REFERENCE WINDLOAD SPECIFICATION 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"
- OPTIONAL FULL VIEW SECTION
12. 3" 20GA STEEL STRUTS (411186-XXXX) MAY BE SUBSTITUTED FOR HS-2 STRUTS (400650-0002).
11. THE 6" TALL 16GA, Z(407756-0001) OR (2) HS-3 MAY BE SUBSTITUTED FOR 6" 16GA (410819).

REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
501337	D	REVISED PER ER	10/12/11	SFT
32499	E	ADDED SECOND PAGE	10/6/20	TTC
32933	F	ADDED 2 & 3" 20GA STRUTS	05/05/25	WDAU



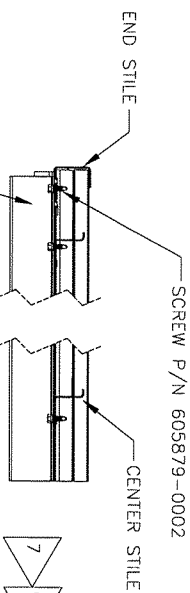
DETAIL E
DOUBLE END STILE

SIDE ELEVATION OF TYPICAL COMMERCIAL TRACK

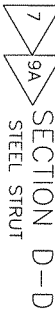


SECTION A-A
JAMB BRACKET MOUNT
(TYP. WOOD JAMBS)

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

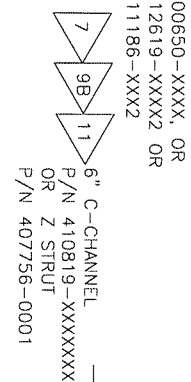


SECTION C-C
STEEL REINFORCEMENT



SECTION D-D
STEEL STRUT

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



SECTION D-D
Z STRUT

No. 46718
GORDON D. THOMAS
FLORIDA
STATE OF
PROFESSIONAL ENGINEER
GORDON D. THOMAS
FL PE 46718

INTERIOR DOOR ELEVATION

SERIES 420/422: 37/-37 PSF WINDLOAD									
DOOR	END	CENTER	STRUT	ROLLER	TRACK	JAMB			
WIDTH	STILE	STILE				LOAD			
UP TO	QTY	QTY	TYPE	TIRE DIA.	STEM DIA.	LB/FT (HE/GHT)			
8.2"	DOUBLE	1	HS-2	2"	7/16"	12"	0.068"	151	HARDWARE
10.2"	DOUBLE	2	HS-2	2"	7/16"	12"	0.068"	188	STANDARD
12.2"	DOUBLE	3	HS-3	2"	7/8" 11/4	12"	0.068"	225	STANDARD
14.2"	DOUBLE	3	HS-3	2"	7/8" 11/4	12"	0.068"	262	STANDARD
16.2"	DOUBLE	4	HS-3	2"	7/8" 11/4	12"	0.068"	299	STANDARD
18.2"	DOUBLE	6	HS-3	2"	7/8" 11/4	12"	0.068"	336	STANDARD

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REF DWG	USED ON	4	3	2	1
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WHOLE NUMBERS:	± .25	FINISH	N/A	DATE	8/14/03
± .1	± .03	UNIT OF MEASURE	N/A	DRAWN BY:	C. DUBAN
± .010	± .5'	HOLES:	EA	CHECKED BY:	T. CLARK
± .5'				APPROVED BY:	L. KRUPKE

SCALE:	N/A	SHEET 1 OF 2
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DRAWING TITLE: 37/-37 PSF, 18-2" MAX WINDLOAD, 420/422, 37/-37 PSF, 18-2" MAX

