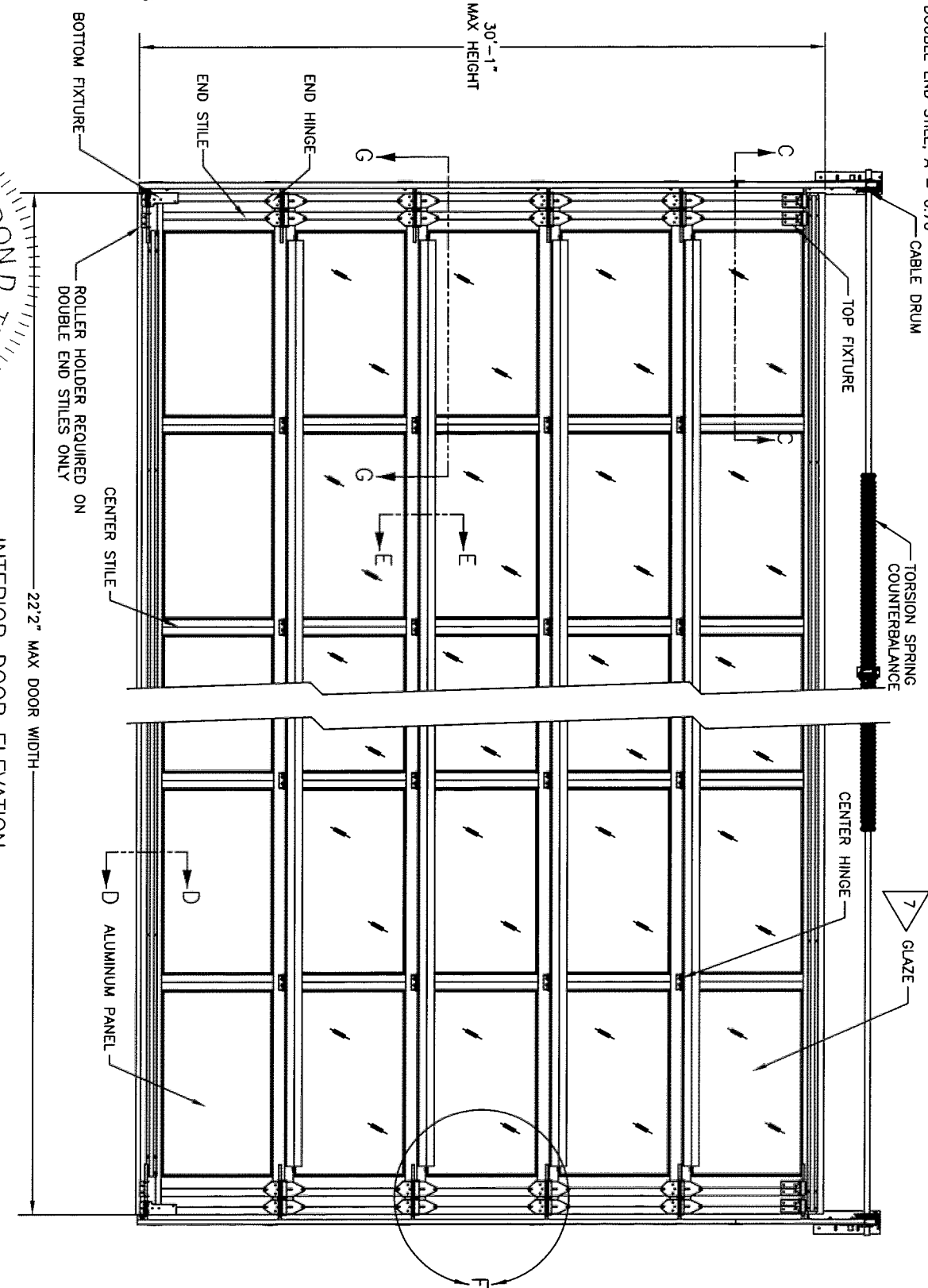
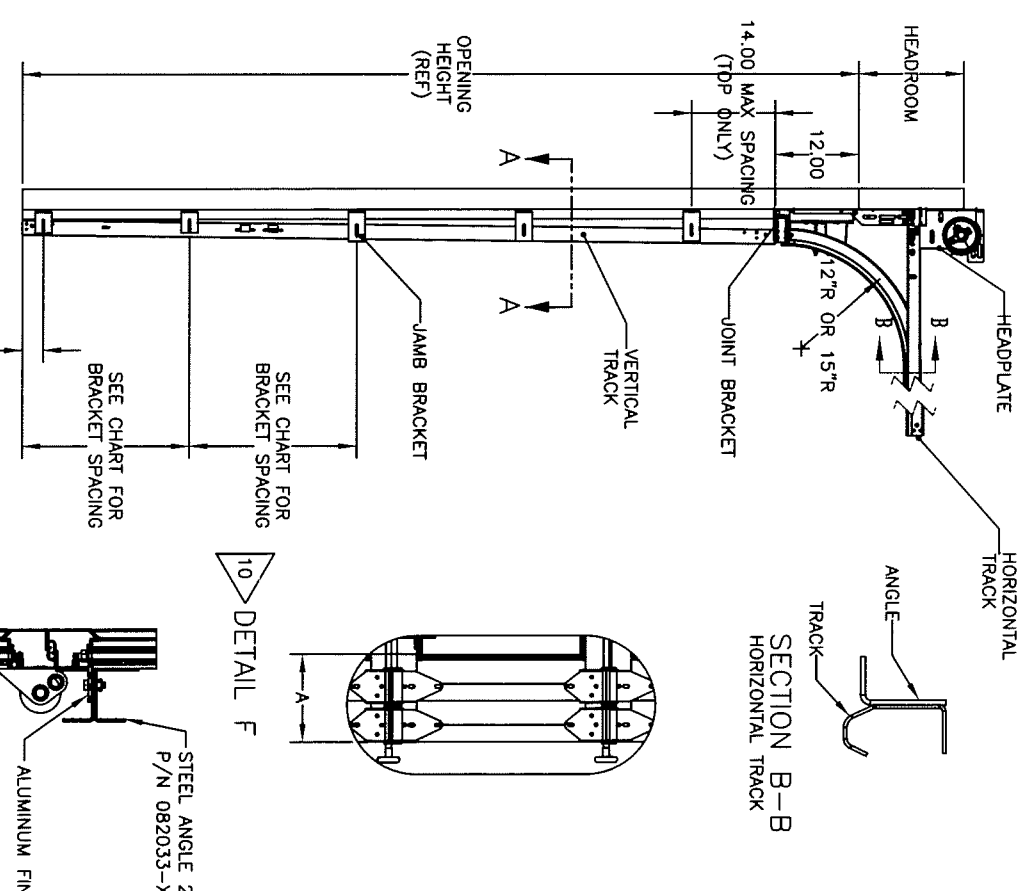


REVISIONS				
REV	REV	DESCRIPTION	DATE	APPROV
32923	A	INITIAL DRAWING	5-11-20	JG
		ADDED 2"x3" 20GA STRUTS	05/05/23	M.D.M.

1. 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.
2. PRESSURES LISTED AS POSITIVE/NEGATIVE (DESIGN).
3. SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS. 26" MAXIMUM SECTION HEIGHT.
4. LIFT CLEARANCE OR FULL VERTICAL TRACK MAY ALSO BE USED. LOW HEADROOM TRACK MAY BE USED WITH EITHER DRAWBAR OPERATOR OR LOCK.
5. FASTENING METHODS (TRACK TO WALL), SPACING BASED ON BRACKET SPACING (SEE CHART BELOW):
6. CHOICES OF MATERIAL AVAILABLE FOR GLAZING ARE DSB GLASS, TEMPERED GLASS, LAMINATED GLASS, OR LEXAN. AVAILABLE THICKNESS ARE 1/8", 1/4", 3/8", AND 1/2". A .050 ALUMINUM PANEL CAN BE SUBSTITUTED FOR GLASS IN ANY SECTION. MAX GLAZING WIDTH IS 46".
7. STRUT OR ANGLE INSTALLATION:
- A. FOR STRUTS ONLY- USE ONE SCREW (P/N 605879-0002) ON BOTH SIDES OF STRUT AT EACH END STILE.
- 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

- B. FOR ANGLES (P/N 082033-XXXX) ONLY--
- USE 3 SCREW AT EACH END, 2 AT EACH CENTER STILE LOCATION, 1 SCREW BETWEEN EVERY CENTER HINGE.
- B. WHEN ONE ANGLE IS USED, THE ANGLE LEG IS TURNED DOWN. WHEN TWO ANGLES ARE USED, ONE ANGLE LEG IS TURNED UP AND THE OTHER ANGLE LEG IS TURNED DOWN.
9. REFERENCE WINDLOAD SPECIFICATION CHART FOR END STILE REQUIREMENTS (SEE DETAIL F).
- FOR DOUBLE END STILE, A = 6.70"
10. 2" 20GA STEEL STRUTS (412619-XXXX) MAY BE SUBSTITUTED FOR HS-1 (400650-0001) OR HS-2 (400650-0002) STRUTS.
11. 3" 20GA STEEL STRUTS (41186-XXXX) MAY BE SUBSTITUTED FOR HS-2 STRUTS (400650-0002).



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

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

SIDE ELEVATION OF TYPICAL COMMERCIAL TRACK

SECTION E-E

SECTION B-B
HORIZONTAL TRACK

SECTION D-D

SECTION C-C

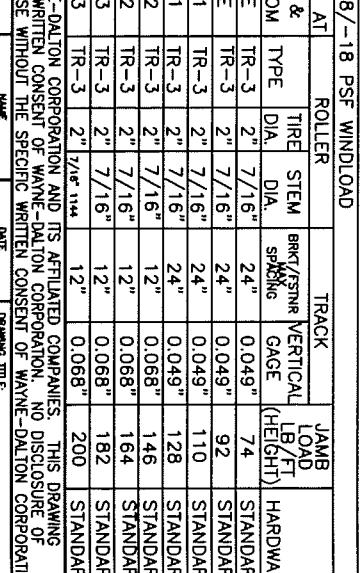
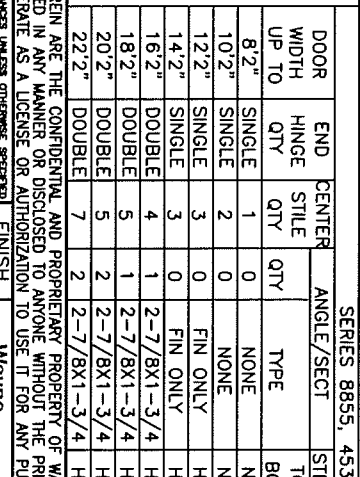
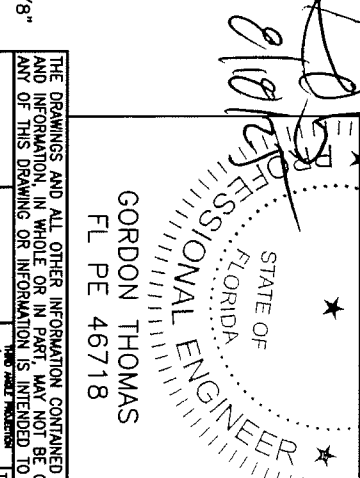
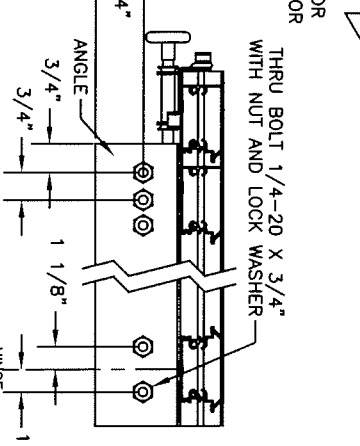
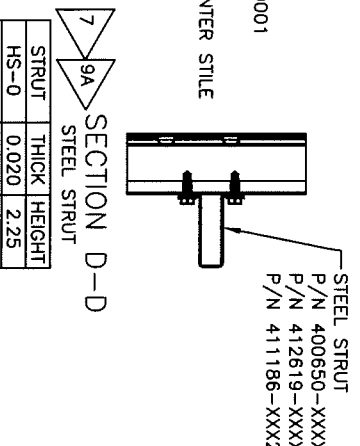
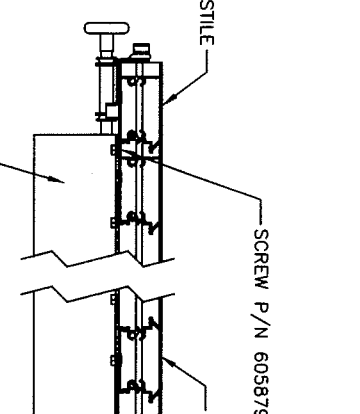
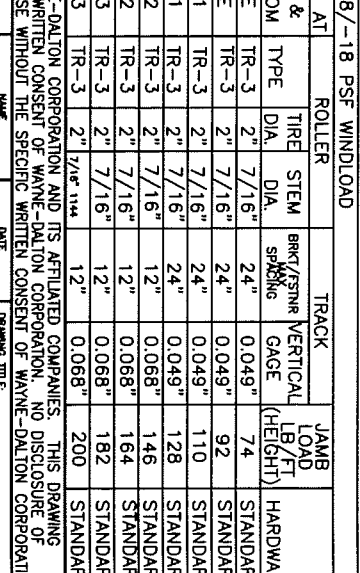
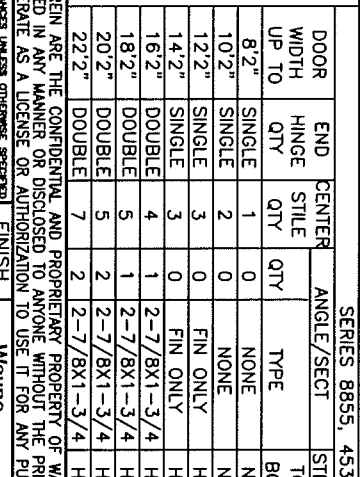
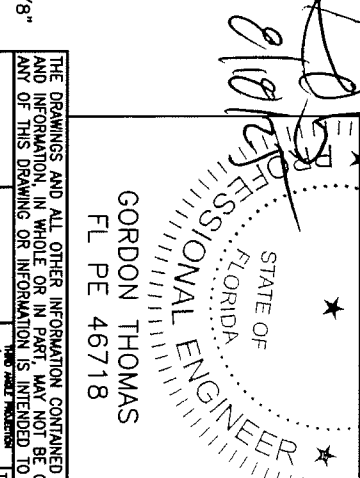
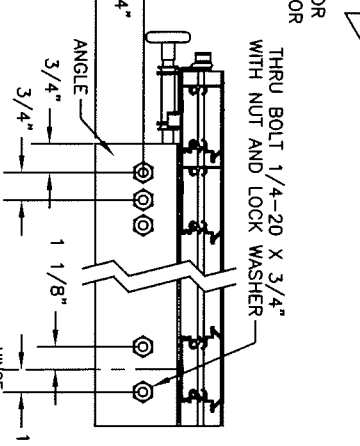
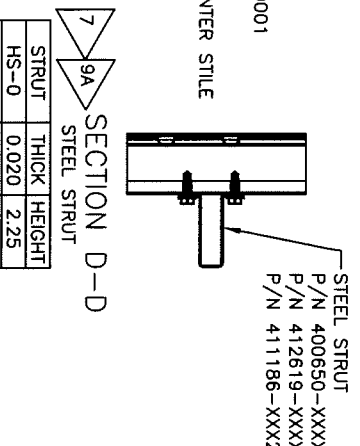
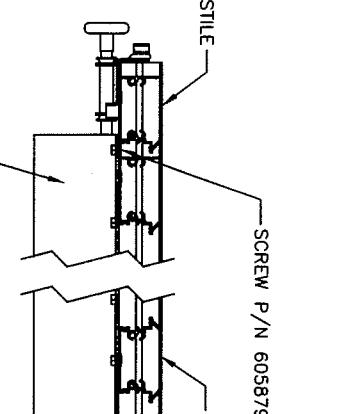
STRUT	THICK	HEIGHT
HS-0	0.020	2.25
HS-1	0.030	2.25
HS-2	0.052	2.25
HS-3	0.055	3.50
2" 20GA	0.034	2.00
3" 20GA	0.034	3.00

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

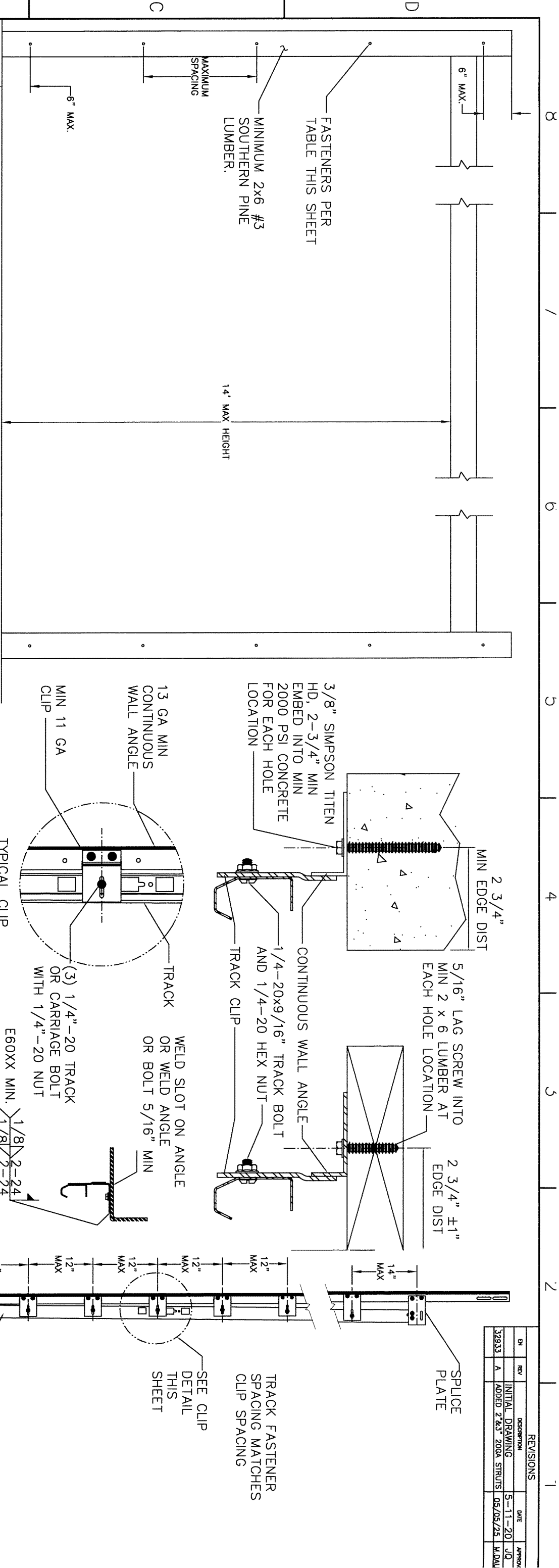
STRUT	THICK	HEIGHT
HS-0	0.020	2.25
HS-1	0.030	2.25
HS-2	0.052	2.25
HS-3	0.055	3.50
2" 20GA	0.034	2.00
3" 20GA	0.034	3.00

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

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



REVISIONS			
NO	REV	DESCRIPTION	DATE
32933	A	INITIAL DRAWING	5-11-20 JG
		ADDED 2"x3" 20GA STRUTS	05/05/23 MDA



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 FILLED CMU WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4", A MINIMUM EDGE DISTANCE OF 4", AND A MINIMUM END DISTANCE OF 4". 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 PENETRATION INTO SEASONED DRY WOOD SUPPORTING STRUCTURE.
4. PROVIDE QUANTITY OF SCREW ANCHORS OR LAG SCREWS AS REQUIRED TO MAINTAIN MAXIMUM SPACING AS SHOWN IN 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 +199.5/-199.5 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 GROUT FILLED CMU ^{NOTE 2}	3/8" x 3" LONG LAG SCREW ^{NOTE 3}
24	24	24

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TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH		DATE		DATE			
X		N/A		03/27/20		03/27/20			
XXX		N/A		03		03/27/20			
ANGLES:		UNIT OF MEASURE		N/A		03/27/20			
HOLES:		EA		N/A		03/27/20			
REF DWG		USED ON		N/A		03/27/20			

GORDON THOMAS
FL PE 46718



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NOTES: (UNLESS OTHERWISE SPECIFIED)

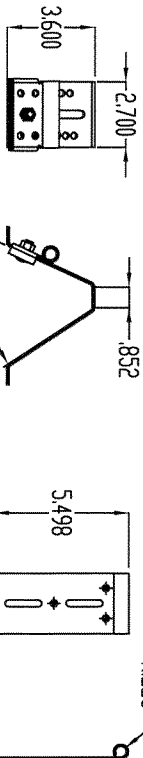
1. FOR DIMENSIONS AND NOTE REFERENCES, REFER TO INDIVIDUAL DRAWINGS.
2. ONE STRUT ON THE TOP SECTION, STEEL ANGLE IN INTERMEDIATE PANELS.

LONG LITE PLACEMENT

DOOR WIDTH	QTY CTR HINGES
9'3"-11'3"	2
11'4"-14'11"	3
15'0"-16'2"	4

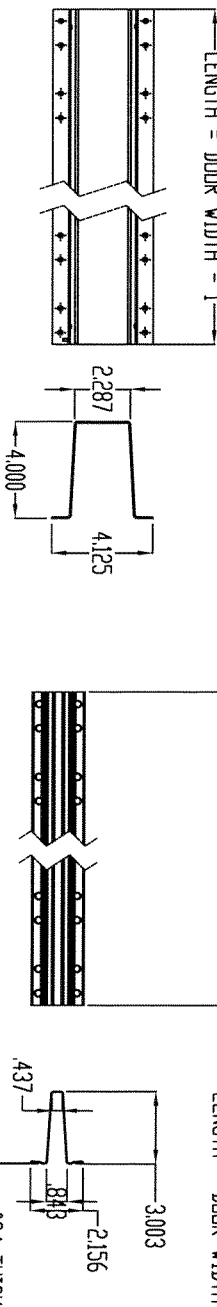
SHORT LITE PLACEMENT

DOOR WIDTH	QTY CTR HINGES
4'0"-4'11"	1
5'0"-5'8"	2
5'9"-7'5"	3
7'6"-16'2"	4



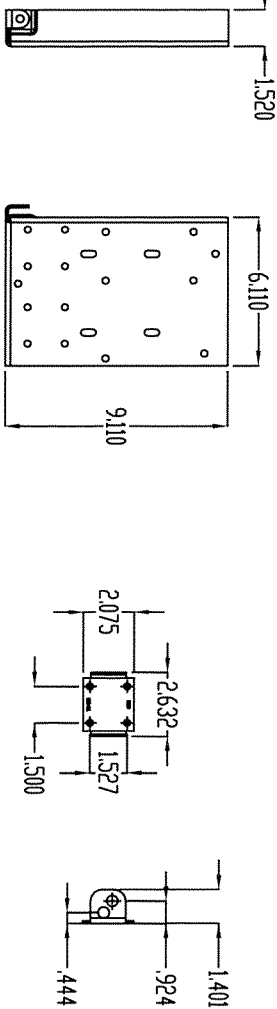
A FRAME ASSY.
12 GA
LHR (7-4)
13 GA

TYPE FIXTURE DETAILS



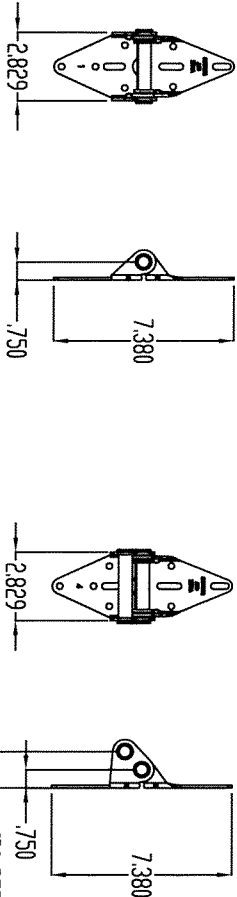
4" STRUT (UBAR)
80 KSI MIN. YIELD STRENGTH, 4" X 16 GA
3" STRUT OPEN WL (UBAR)
80 KSI MIN. YIELD STRENGTH, 3" X 18 GA

STRUT DETAILS



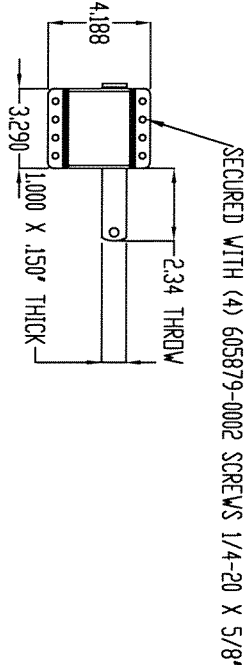
DOUBLE ENDSTILE
11 GA
2" AND 3" ROLLER CARRIER
12 GA

BOTTOM FIXTURE DETAILS



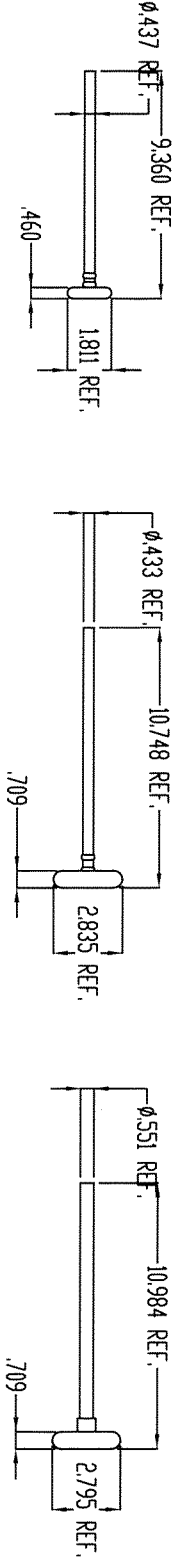
CENTER HINGE
14 GA
END HINGE
11 GA

HINGE DETAILS



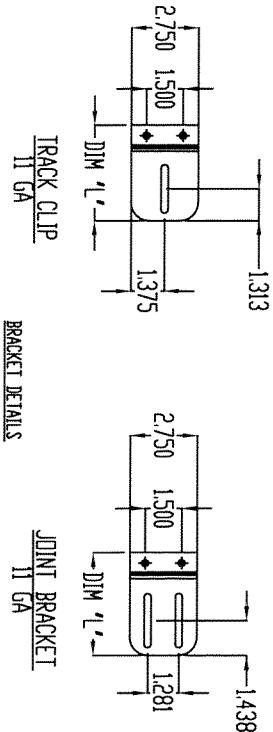
SIDE LOCK ASSY

LOCK DETAILS



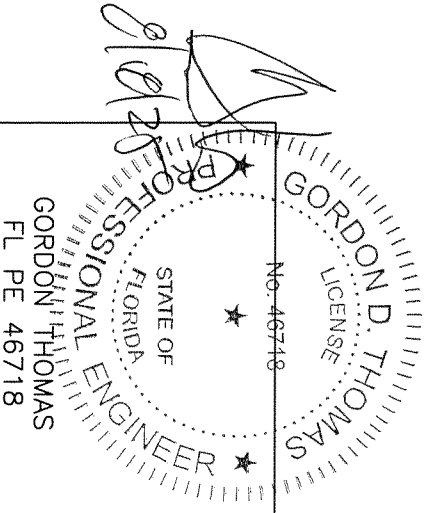
ROLLER ASSY. 2" WL 1144
ROLLER ASSY. 3" 7/16" STEM
ROLLER ASSY. 3" 9/16" STEM

ROLLER STEM ASSY DETAILS



TRACK CLIP
11 GA
JOINT BRACKET
11 GA

BRACKET DETAILS



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NO. AND DATE	DESCRIPTION	DATE
1	INITIAL DRAWING	5-11-201
2	ADDED 2" X 3" 20GA STRUTS	05/05/25
3	M.D.A.	

SCALE	SHEET	OF
N/A	3	3

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