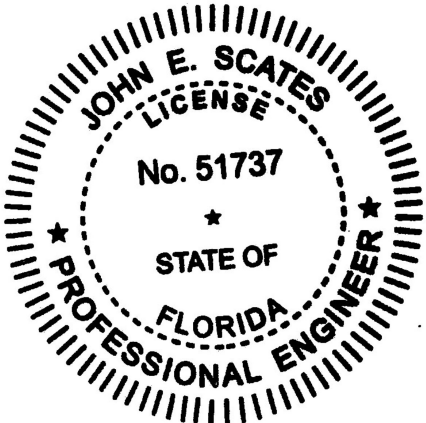
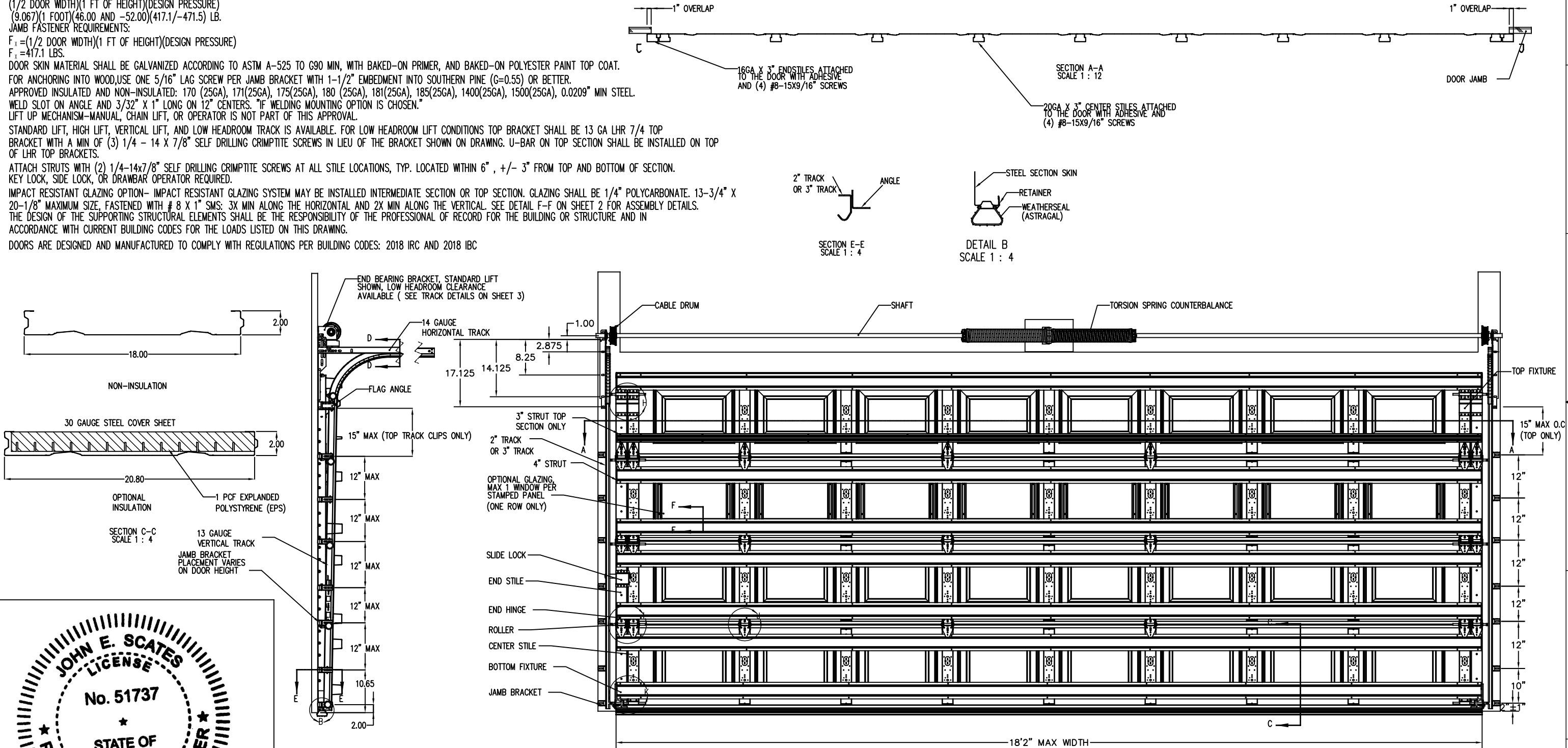


NOTES: (UNLESS OTHERWISE SPECIFIED)

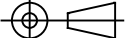
1. RATED DESIGN LOAD +46/-52 PSF.
2. SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS, 20.8" MAXIMUM SECTION HEIGHT.
3. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.
4. TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201-94, TAS 202-94, & TAS 203-94.
5. DOOR SKIN MUST BE 33,000 PSI MIN. YIELD STRENGTH.
6. JAMB LOAD CALCULATIONS:
(1/2 DOOR WIDTH)(1 FT OF HEIGHT)(DESIGN PRESSURE)
(9.067)(1 FOOT)(46.00 AND -52.00)(417.1/-471.5) LB.
JAMB FASTENER REQUIREMENTS:
 $F_x = (1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $F_y = 417.1 \text{ LBS.}$
8. DOOR SKIN MATERIAL SHALL BE GALVANIZED ACCORDING TO ASTM A-525 TO G90 MIN, WITH BAKED-ON PRIMER, AND BAKED-ON POLYESTER PAINT TOP COAT.
9. FOR ANCHORING INTO WOOD, USE ONE 5/16" LAG SCREW PER JAMB BRACKET WITH 1-1/2" EMBEDMENT INTO SOUTHERN PINE (G=0.55) OR BETTER.
10. APPROVED INSULATED AND NON-INSULATED: 170 (25GA), 171(25GA), 175(25GA), 180 (25GA), 181(25GA), 185(25GA), 1400(25GA), 1500(25GA), 0.0209" MIN STEEL.
11. WELD SLOT ON ANGLE AND 3/32" X 1" LONG ON 12" CENTERS. "IF WELDING MOUNTING OPTION IS CHOSEN."
12. LIFT UP MECHANISM-MANUAL, CHAIN LIFT, OR OPERATOR IS NOT PART OF THIS APPROVAL.
13. STANDARD LIFT, HIGH LIFT, VERTICAL LIFT, AND LOW HEADROOM TRACK IS AVAILABLE. FOR LOW HEADROOM LIFT CONDITIONS TOP BRACKET SHALL BE 13 GA LHR 7/4 TOP BRACKET WITH A MIN OF (3) 1/4 - 14 X 7/8" SELF DRILLING CRIMPTITE SCREWS IN LIEU OF THE BRACKET SHOWN ON DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.
14. ATTACH STRUTS WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT ALL STILE LOCATIONS, TYP. LOCATED WITHIN 6" , +/- 3" FROM TOP AND BOTTOM OF SECTION.
15. KEY LOCK, SIDE LOCK, OR DRAWBAR OPERATOR REQUIRED.
16. IMPACT RESISTANT GLAZING OPTION- IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED INTERMEDIATE SECTION OR TOP SECTION. GLAZING SHALL BE 1/4" POLYCARBONATE. 13-3/4" X 20-1/8" MAXIMUM SIZE, FASTENED WITH # 8 X 1" SMS: 3X MIN ALONG THE HORIZONTAL AND 2X MIN ALONG THE VERTICAL. SEE DETAIL F-F ON SHEET 2 FOR ASSEMBLY DETAILS.
17. 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.
18. DOORS ARE DESIGNED AND MANUFACTURED TO COMPLY WITH REGULATIONS PER BUILDING CODES: 2018 IRC AND 2018 IBC

REVISIONS				
ER	REV	DESCRIPTION	DATE	APVL
32537	A	ADD NOTE 18: IBC/IRC	11/30/20	JQ
32769	B	UPDATED PER PCR	2/10/22	SW

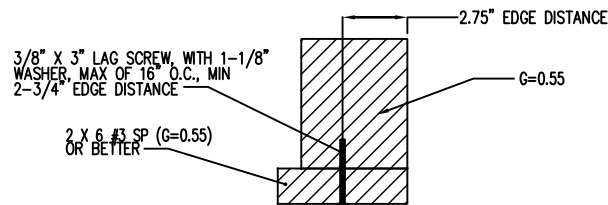


Digitally signed by John E Scates
Date: 2023.10.07 18:27:39 -05'00'

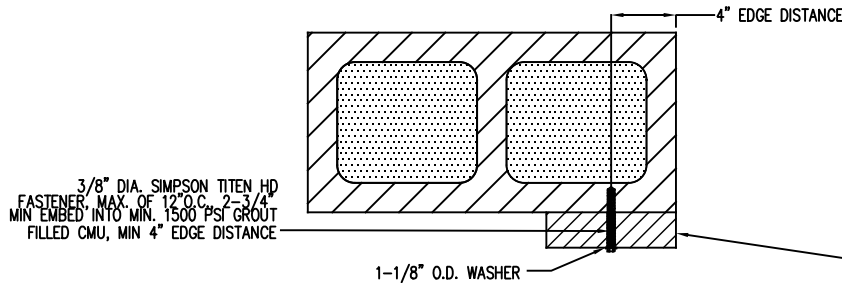
JOHN E. SCATES, PE
2560 KING ARTHUR BLVD #124-54
LEWISVILLE, TX 75056
FL PE 51737 TX PE 56308/F2203
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THIRD ANGLE PROJECTION 	UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE	The Genuine. The Original.		2501 S, TX-121 BUS		
	INTERPRET DIMS & TOLS PER ASME Y14.5M ALL DIMS ARE IN INCHES DO NOT SCALE		TOLERANCES: .X = ±.1 .XX = ±.03 .XXX = ±.010 ANGULAR = ±.5°		DRAWN	G.CLARK	4-11-19			LEWISVILLE, TEXAS
	DIMS CIRCLED WITH SYMBOL '  ' ARE CRITICAL TO QUALITY DESIGN FEATURES & MUST MEET APPLICABLE IN-PROCESS INSPECTION STANDARDS.		HOLES: < Ø.251 =+.004/- .003 Ø.251-Ø.500 =+.006/- .003 > Ø.500 =+.008/- .003		CHECKED	D.KORNISH	2-18-20	DESCRIPTION		170/171/175/180/181/185/ 1400/1500 18'2" MAX WIDTH
			ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:		APPROVED	-	-	SIZE		
					MATERIAL	-		DWG NO.		REV
					FINISH	-		D-411690		B
					WINDLOAD SPECIFICATION OPTION CODE 1148					
							SCALE 1:12		UOM = EA	SHEET 1 OF 4

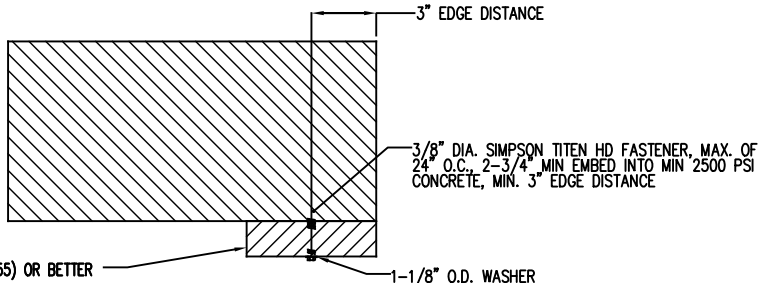
NOTES: (UNLESS OTHERWISE SPECIFIED)



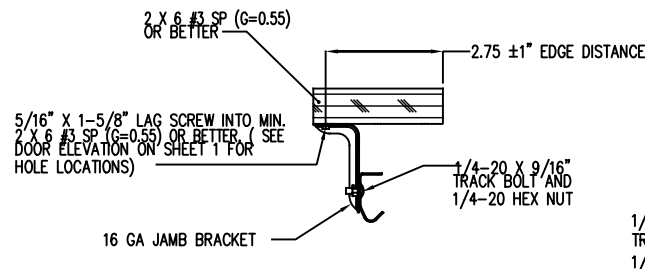
WOOD MOUNTED TO #3 SOUTHERN PINE SUBSTRATE



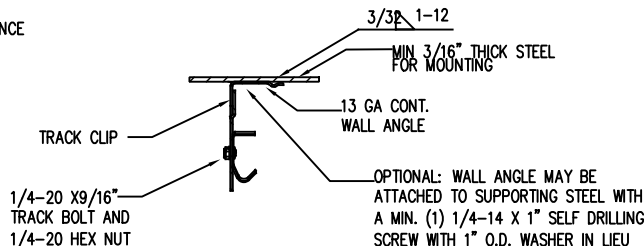
WOOD MOUNTED TO GROUT FILLED MASONRY BLOCK DETAIL



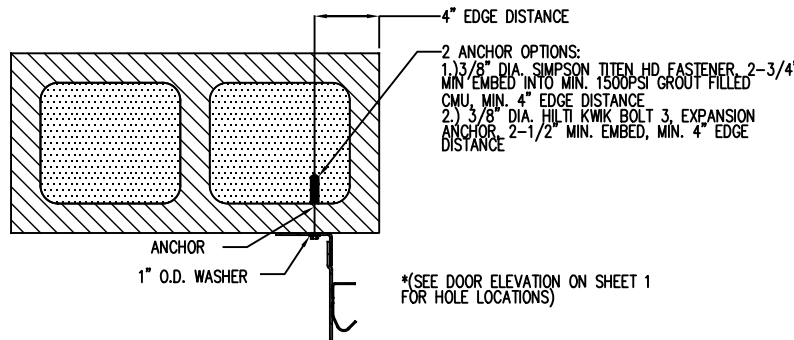
WOOD MOUNTED TO 2500PSI CONCRETE DETAIL



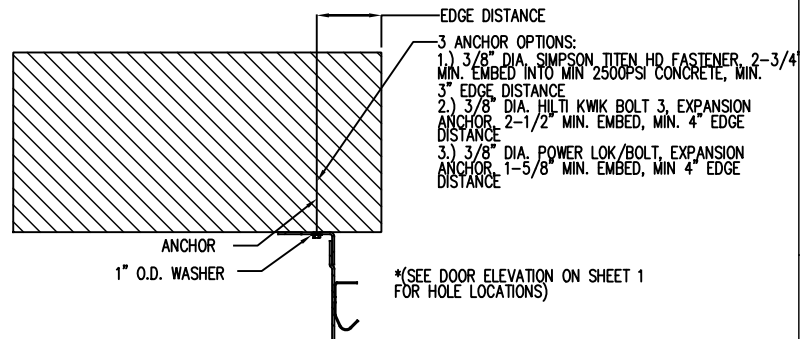
MOUNTING TO WOOD JAMB DETAIL



MOUNTING TO STEEL JAMB DETAIL

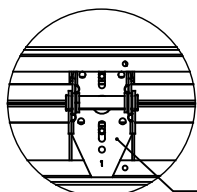


MOUNTING TO GROUT FILLED MASONRY BLOCK DETAIL

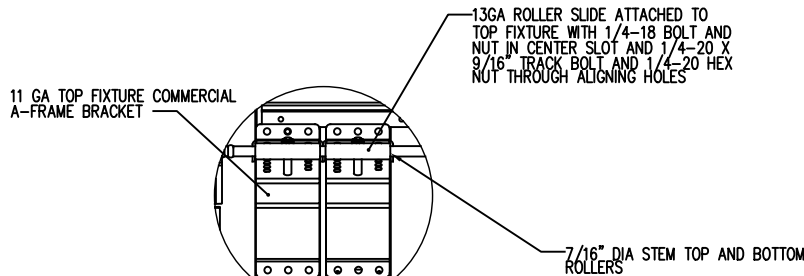


MOUNTING TO 2500PSI CONCRETE DETAIL

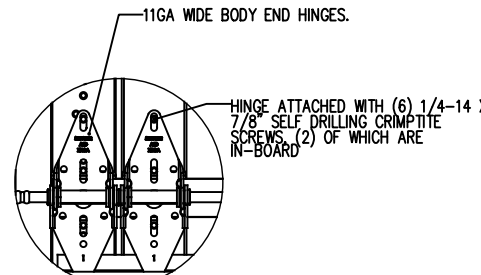
SECTION E - E
SCALE 1 : 4



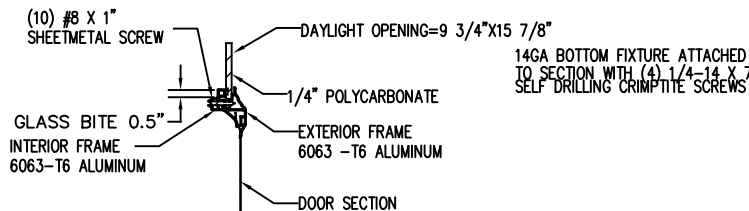
DETAIL J
SCALE 1 : 4



DETAIL H
SCALE 1 : 4

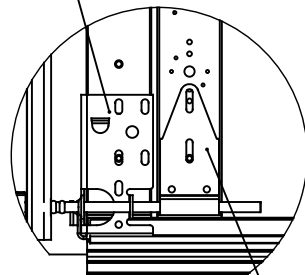


DETAIL I
SCALE 1 : 4

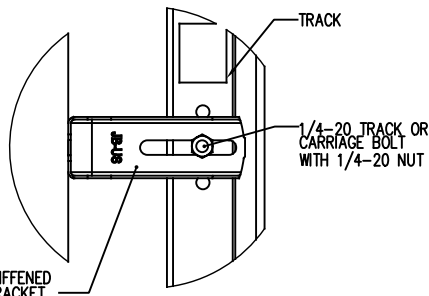


WINDOW DETAIL

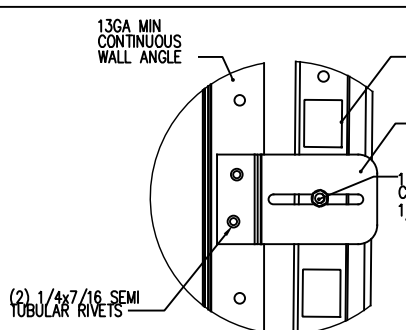
SECTION F-F
SCALE 1 : 4



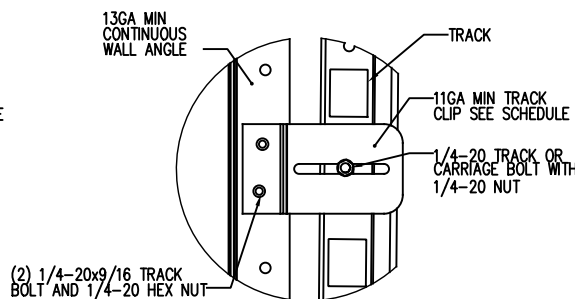
DETAIL K
SCALE 1 : 4



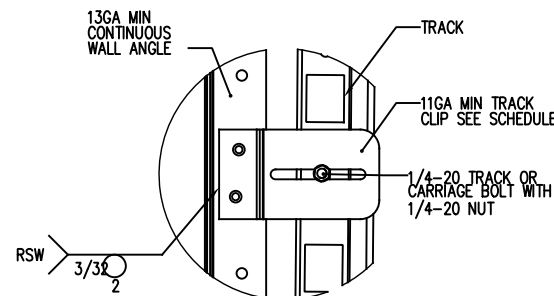
TYPICAL TRACK AND JAMB FASTENERS DETAIL



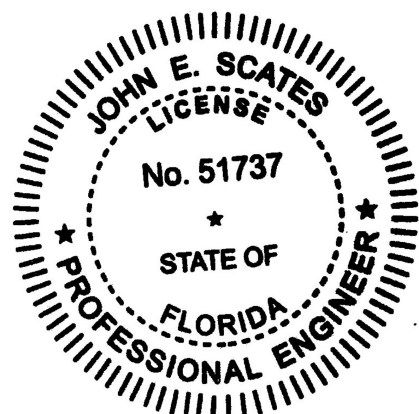
TYPICAL TRACK CLIP RIVETING DETAIL



TYPICAL TRACK CLIP BOLTING DETAIL

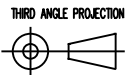


TYPICAL TRACK CLIP WELDING DETAIL



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ALL DIMS ARE IN
INCHES
DO NOT SCALE
DIM CIRCLED WITH SYMBOL
ARE CRITICAL TO QUALITY DESIGN
FEATURES & MUST MEET APPLICABLE
IN-PROCESS INSPECTION STANDARDS.

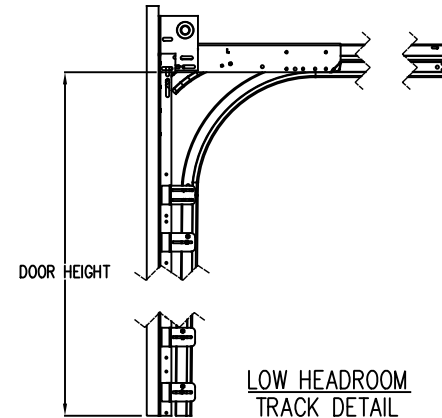
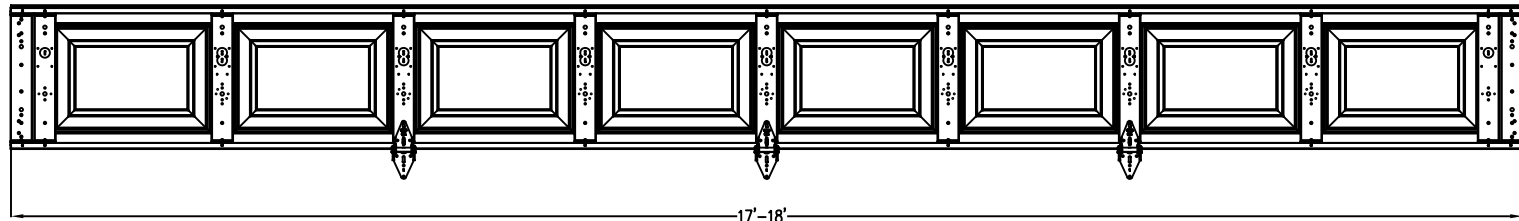
UNLESS OTHERWISE SPECIFIED
TOLERANCES:
.X = ±.1
.XX = ±.03
.XXX = ±.010
ANGULAR = ±.5°
HOLES:
< 0.251 = +.004/- .003
0.251-0.500 = +.006/- .003
> 0.500 = +.008/- .003
ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

APPROVALS
DRAWN G. CLARK
CHECKED D. KORNISH
APPROVED
MATERIAL
FINISH
WINDLOAD SPECIFICATION
OPTION CODE 1148

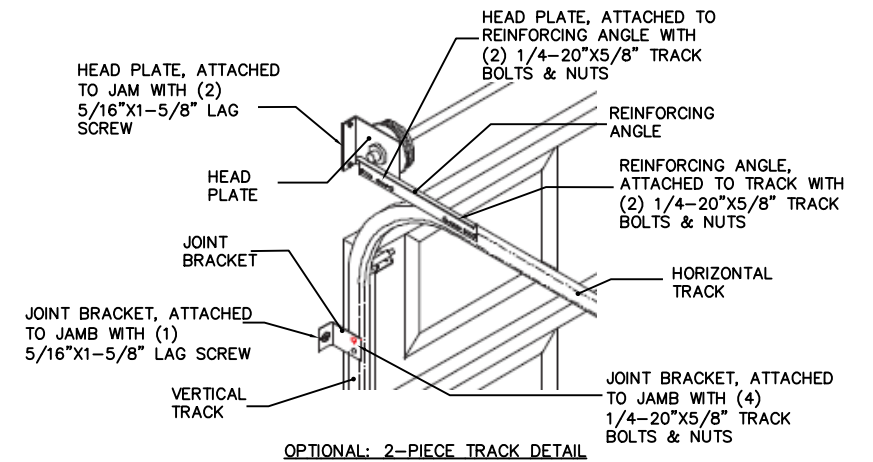
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4-11-19
2-18-20
DESCRIPTION
170/171/175/180/181/185/
1400/1500 18'2" MAX WIDTH
SIZE DWG NO.
D D-411690
REV
B
SCALE 1:12
UOM = EA
SHEET 2 OF 4

NOTES: (UNLESS OTHERWISE SPECIFIED)

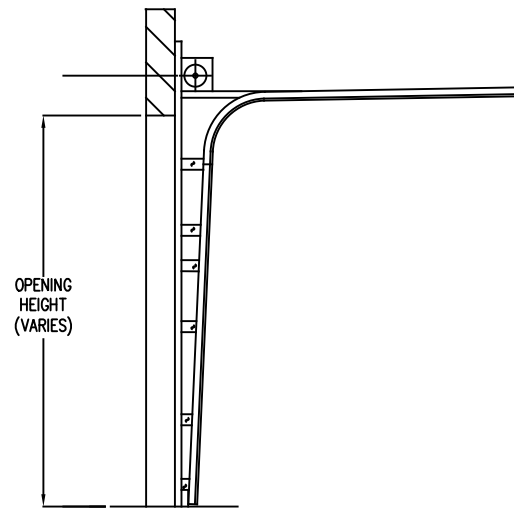
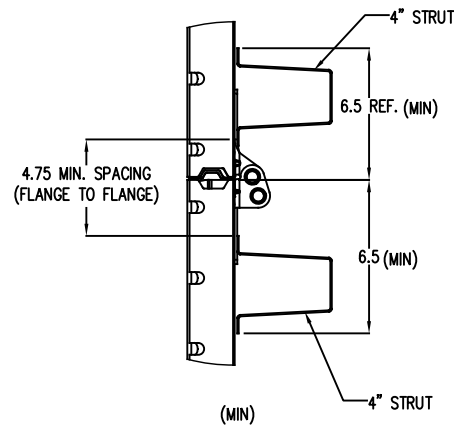
CENTER STILE AND INTERMEDIATE HINGE LOCATIONS



LOW HEADROOM
TRACK DETAIL

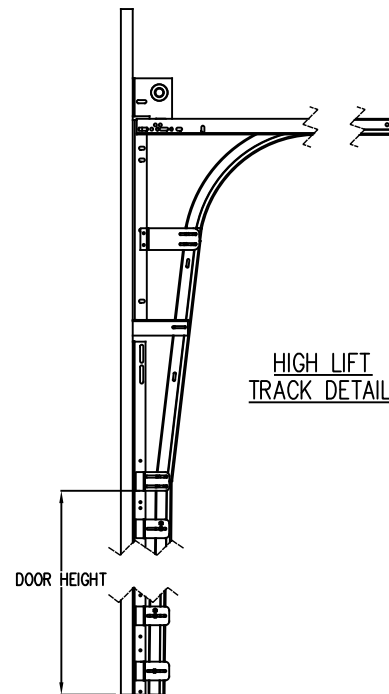


OPTIONAL: 2-PIECE TRACK DETAIL

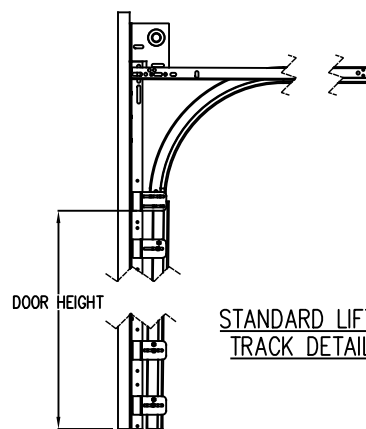
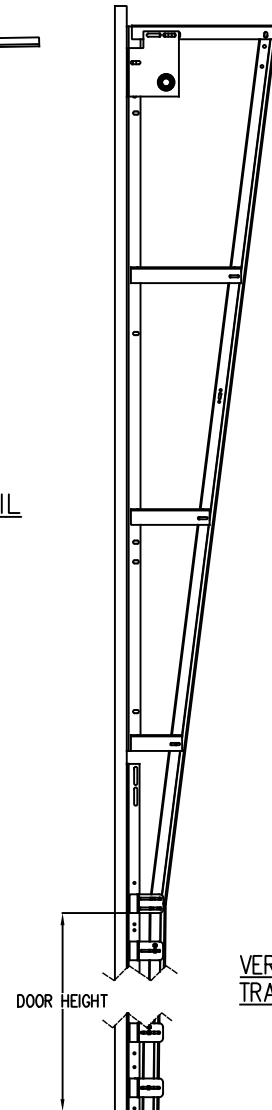


OPTIONAL: 2-PIECE TRACK DETAIL

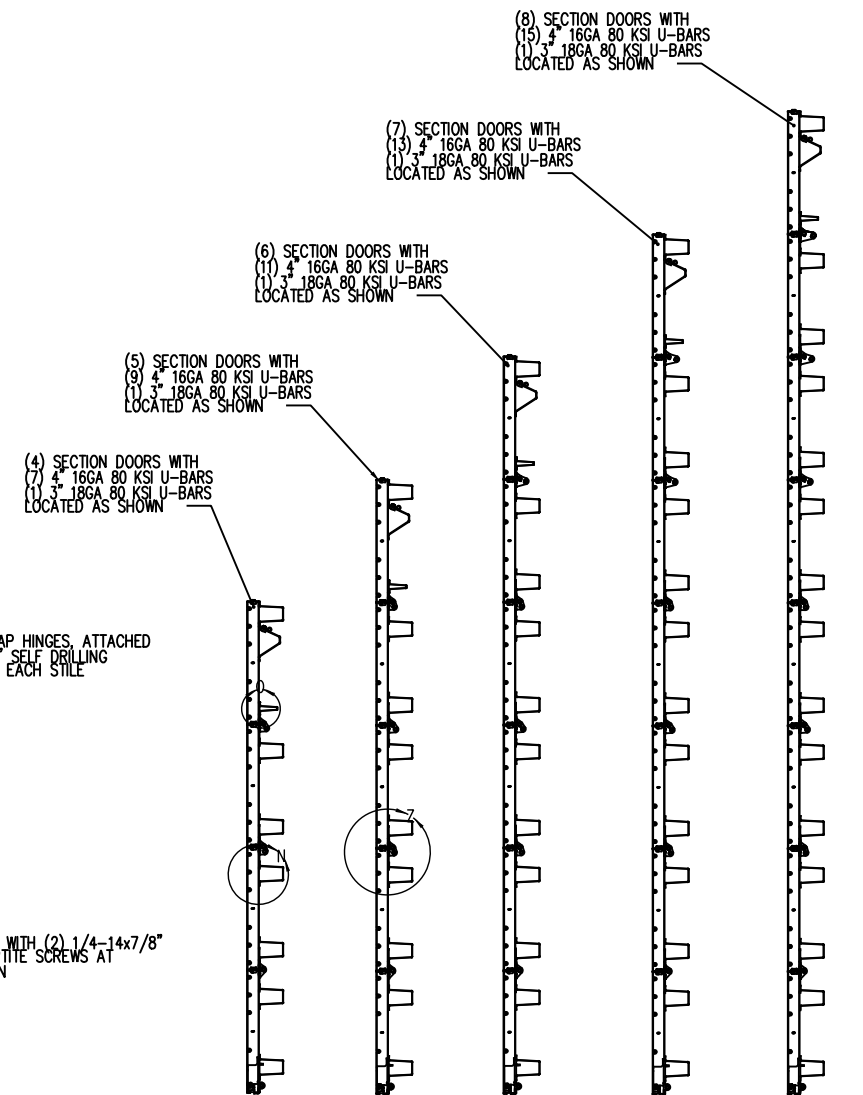
HIGH LIFT
TRACK DETAIL



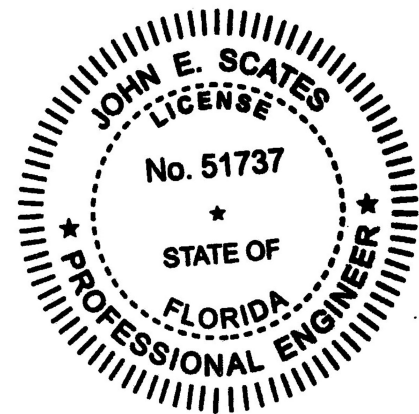
VERTICAL LIFT
TRACK DETAIL



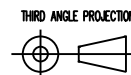
STANDARD LIFT
TRACK DETAIL



STRUT LOCATIONS
SCALE 1 : 16



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INCHES
DO NOT SCALE

DIMS CIRCLED WITH SYMBOL
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FEATURES & MUST MEET APPLICABLE
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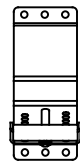
TOLERANCES:
.X = ±.1
.XX = ±.03
.XXX = ±.010
ANGULAR = ±.5°
HOLES:
< Ø.251 = +.004/- .003
Ø.251-Ø.500 = +.006/- .003
> Ø.500 = +.008/- .003

ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

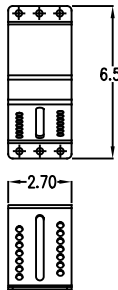
APPROVALS DATE
DRAWN G. CLARK 4-11-19
CHECKED D. KORNISH 2-18-20
APPROVED - -
MATERIAL -
FINISH -
WINDLOAD SPECIFICATION
OPTION CODE 1148

The Genuine. The Original. 2501 S, TX-121 BUS
LEWISVILLE, TEXAS
DESCRIPTION
170/171/175/180/181/185/
1400/1500 18'2" MAX WIDTH
SIZE DWG NO.
D D-411690
REV
B
SCALE 1:12 UOM = EA SHEET 3 OF 4

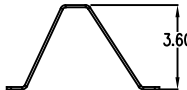
NOTES: (UNLESS OTHERWISE SPECIFIED)
1. FOR DIMENSIONS AND NOTE REFERENCES, REFER TO INDIVIDUAL DRAWINGS.



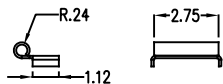
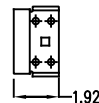
TOP FIXTURE ASSY.



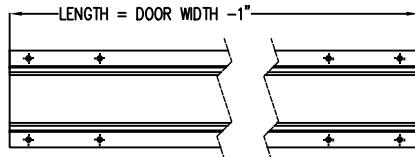
BASE TOP FIXTURE
11GA



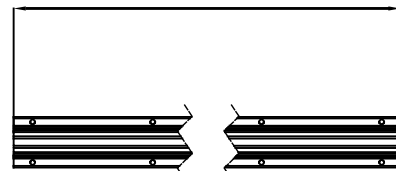
TOP FIXTURE DETAILS



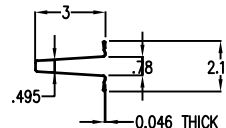
ROLLER CARRIER
13GA



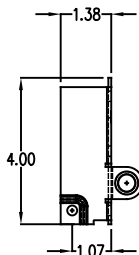
4" STRUT (UBAR)
80 KSI MIN. YIELD STRENGTH, 4" X 16GA



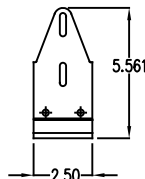
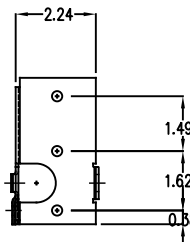
3" STRUT OPEN WL (UBAR)
80 KSI MIN. YIELD STRENGTH, 3" X 18GA



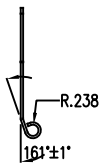
STRUT DETAILS



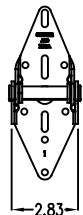
BOTTOM FIXTURE
14 GA



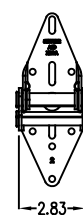
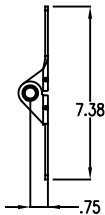
BRACKET, TOP, RES, LHR
12 GA



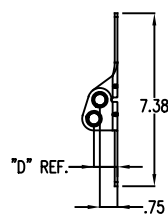
BOTTOM FIXTURE DETAILS



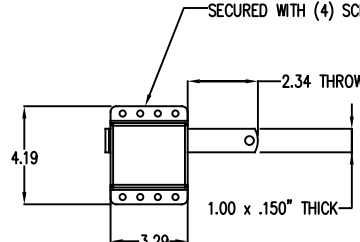
CENTER HINGES
14GA



END HINGE
11GA

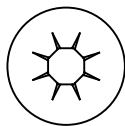


HINGE DETAILS

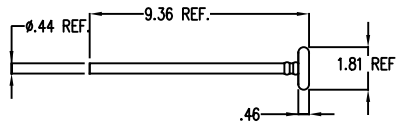


SLIDE LOCK ASSY.

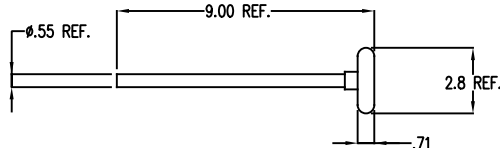
LOCK DETAILS



7/16" STEEL PUSHNUTS

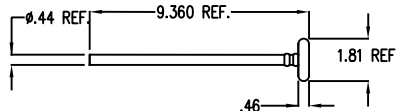


ROLLER ASSY, 2" WL 1144 (STEEL ROLLER)

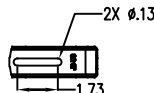


ROLLER ASSY, 3" WL 1144

ROLLER STEM ASSY DETAILS (WITH PUSH NUTS)

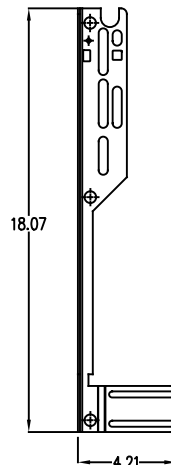


ROLLER ASSY, 2" WL 1144 (NYLON ROLLER)

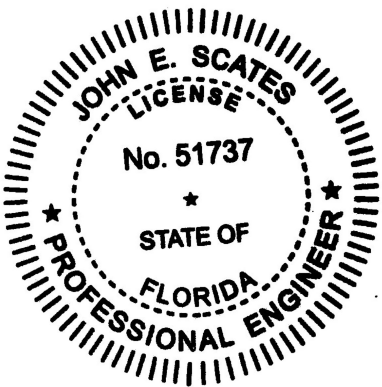


JAMB BRACKET
16GA

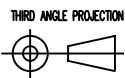
BRACKET DETAILS



FLAG ANGLE
13GA



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HOLES:
< Ø.251 = +.004/- .003
Ø.251-Ø.500 = +.006/- .003
> Ø.500 = +.008/- .003

ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

APPROVALS
DRAWN G.CLARK
CHECKED D.KORNISH
APPROVED
MATERIAL
FINISH

WINDLOAD SPECIFICATION
OPTION CODE 1148

The Genuine. The Original. 2501 S, TX-121 BUS
LEWISVILLE, TEXAS

DESCRIPTION
170/171/175/180/181/185/
1400/1500 18'2" MAX WIDTH

SIZE DWG NO.
D D-411690

SCALE 1:12 UOM = EA SHEET 4 OF 4