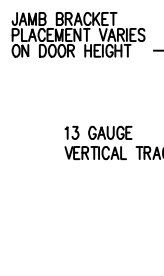
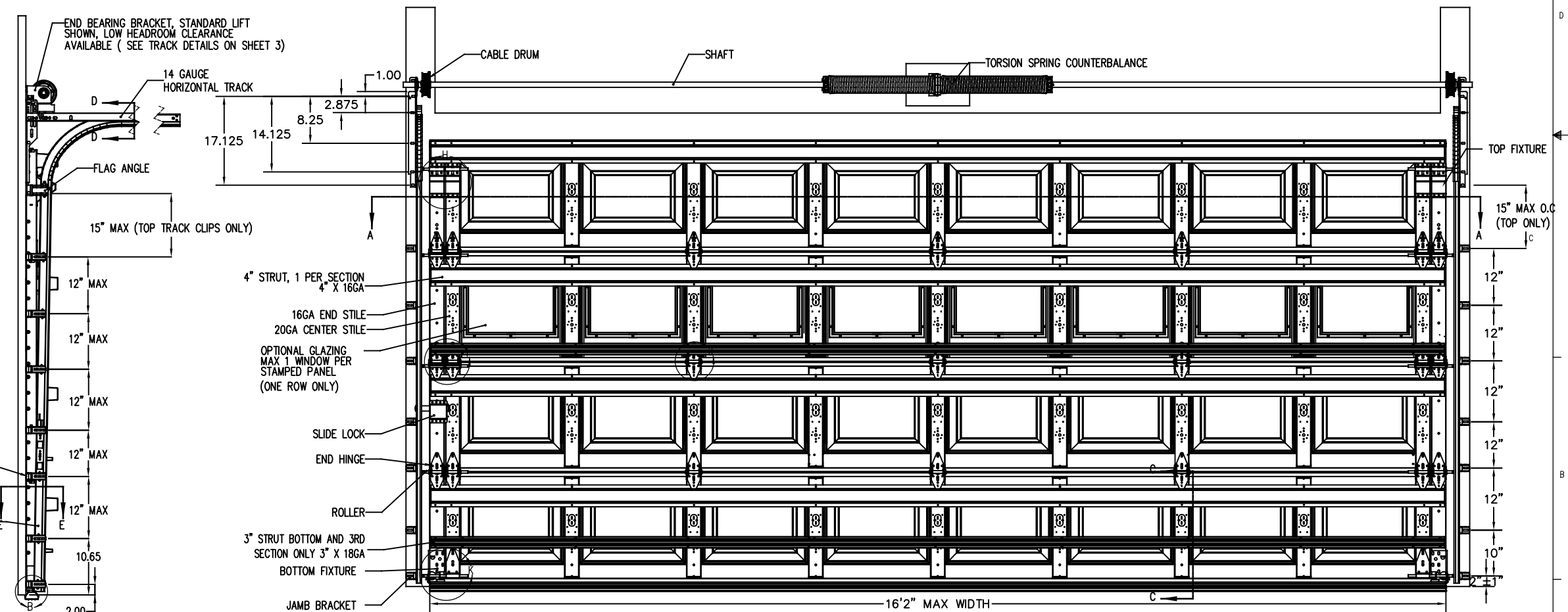
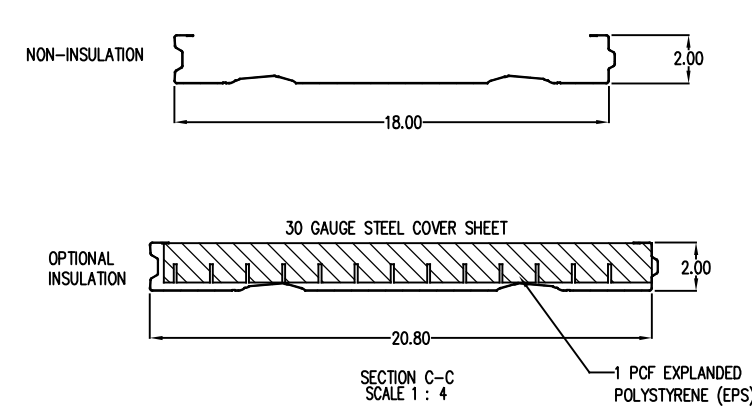
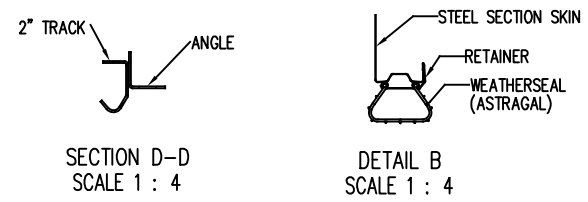
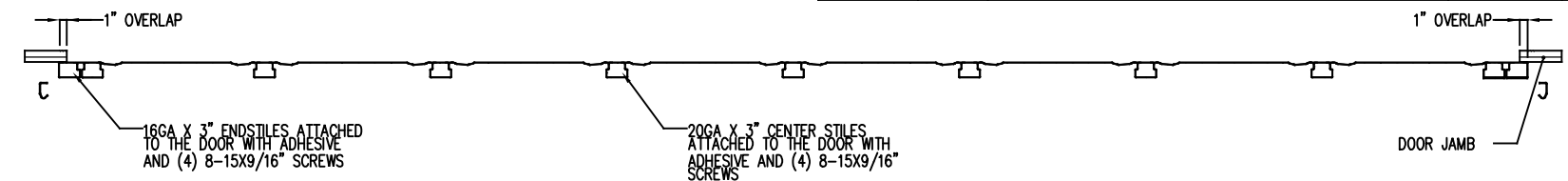


NOTES: (UNLESS OTHERWISE SPECIFIED)

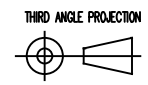
1. RATED DESIGN LOAD +46/-52 PSF.
2. SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS, 20.8" MAXIMUM SECTION HEIGHT.
3. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.
4. TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201-94, TAS 202-94, & TAS 203-94.
5. DOOR SKIN MUST BE 25,000 PSI MIN. YIELD STRENGTH.
6. JAMB LOAD CALCULATIONS:
 $(1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $(8.067)(1 \text{ FOOT})(46.00 \text{ AND } -52.00)(371.1/-419.5) \text{ LB.}$
7. JAMB FASTENER REQUIREMENTS:
 $F_x = (1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $F_x = 371 \text{ LBS.}$
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), 180 (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 OF SECTION.
15. KEY LOCK, SLIDE LOCK, OR DRAWBAR OPERATOR REQUIRED.
16. 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



JOHN E. SCATES, PE
 2560 KING ARTHUR BLVD #124-54
 LEWISVILLE, TX 75056
 FL PE 51737 TX PE 56308/F2203

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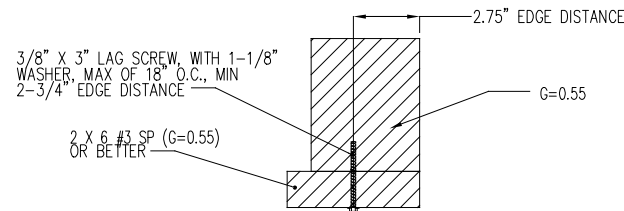
UNLESS OTHERWISE SPECIFIED
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TOLERANCES:
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 ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

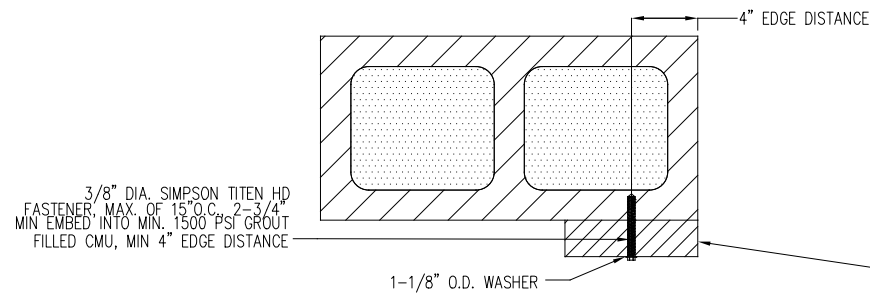
APPROVALS	DATE
DRAWN G. CLARK	4-11-19
CHECKED D. KORNISH	2-18-20
APPROVED	
MATERIAL	
FINISH	
WINDLOAD SPECIFICATION OPTION CODE 1128	

The Genuine. The Original.		2501 S, TX-121 BUS LEWISVILLE, TEXAS	
DESCRIPTION		170/171/175/180/181/185/1400/1500 16'2" MAX WIDTH	
SIZE	DWG NO.	REV	
D	D-411689	A	
SCALE 1:12	UOM = EA	SHEET 1 OF 4	

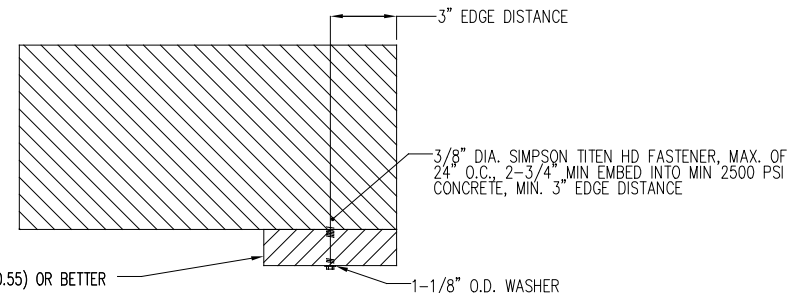
NOTES: (UNLESS OTHERWISE SPECIFIED)



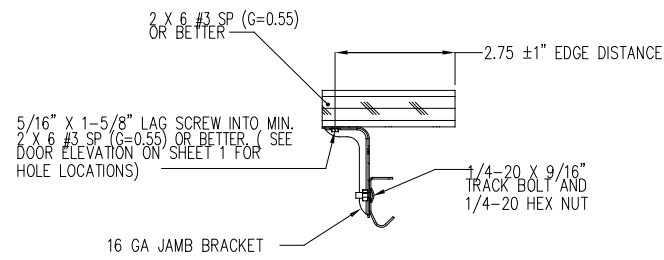
WOOD MOUNTED TO #3 SOUTHERN PINE SUBSTRATE



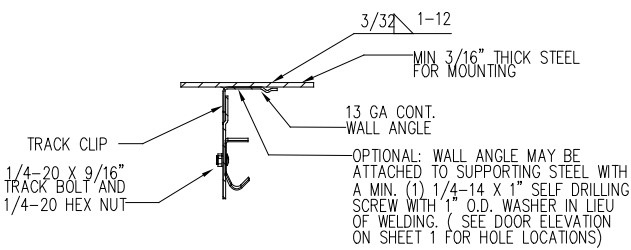
WOOD MOUNTED TO GROUT FILLED MASONRY BLOCK DETAIL



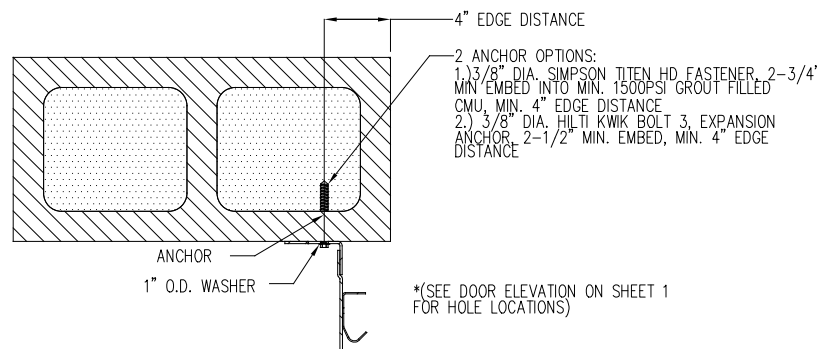
WOOD MOUNTED TO 2500PSI CONCRETE DETAIL



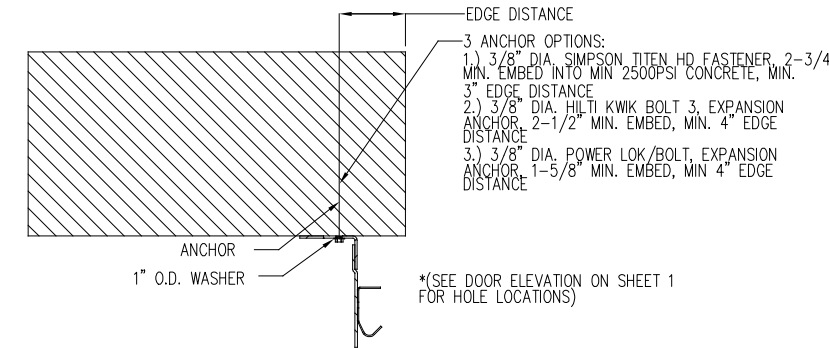
MOUNTING TO WOOD JAMB DETAIL



MOUNTING TO STEEL JAMB DETAIL

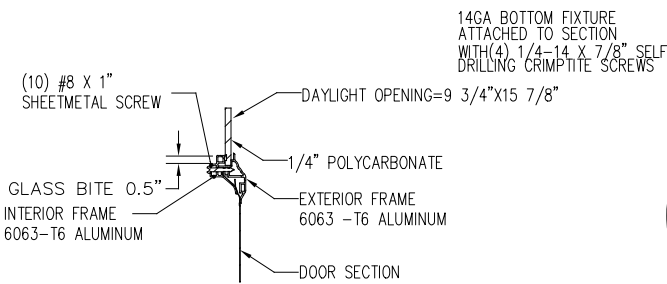


MOUNTING TO GROUT FILLED MASONRY BLOCK DETAIL

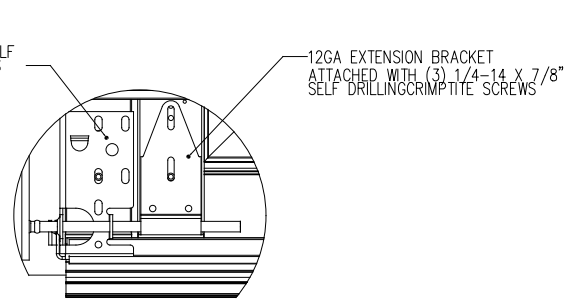


MOUNTING TO 2500PSI CONCRETE DETAIL

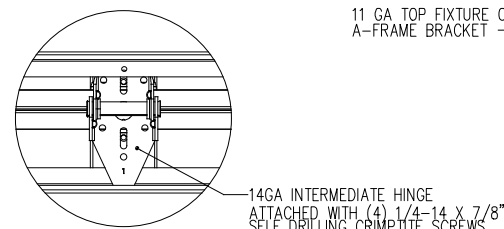
SECTION E - E
SCALE 1 : 4



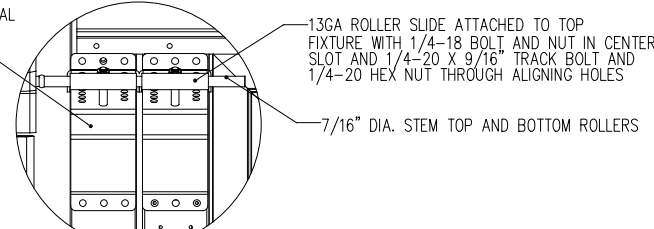
WINDOW DETAIL
SECTION F - F
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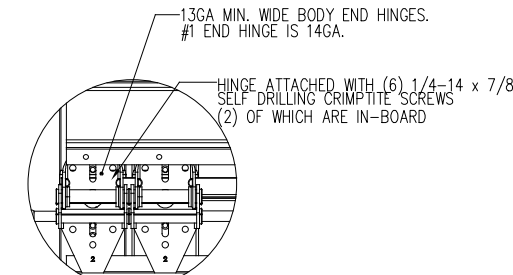
DETAIL K
SCALE 1 : 4



DETAIL J
SCALE 1 : 4

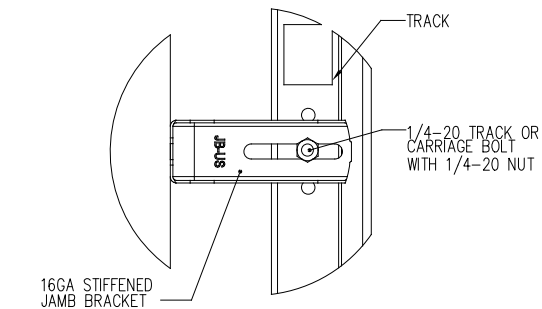


DETAIL H
SCALE 1 : 4

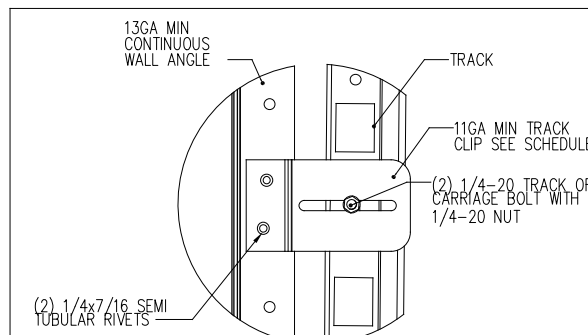


DETAIL K
SCALE 1 : 4

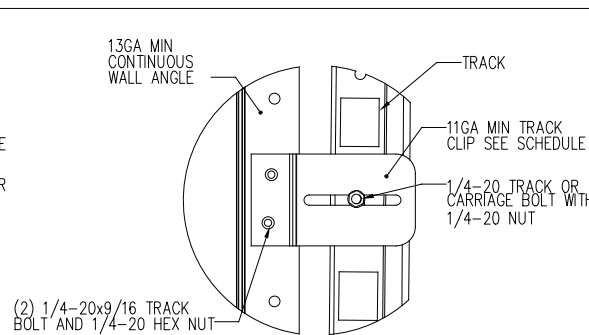
OPTIONAL WALL ANGLE TRACK



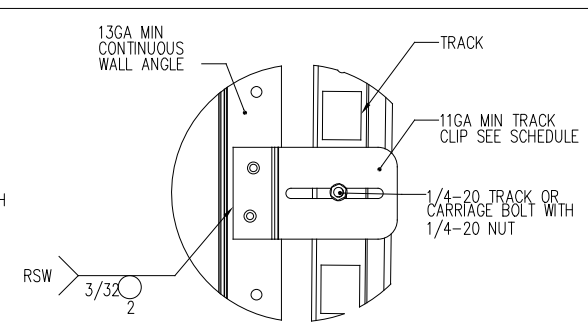
TYPICAL TRACK AND JAMB FASTENERS DETAIL



TYPICAL TRACK CLIP RIVETING DETAIL

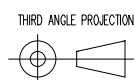


TYPICAL TRACK CLIP BOLTING DETAIL



TYPICAL TRACK CLIP WELDING DETAIL

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2560 KING ARTHUR BLVD #124-54
LEWISVILLE, TX 75056
FL PE 51737 TX PE 56308/F2203
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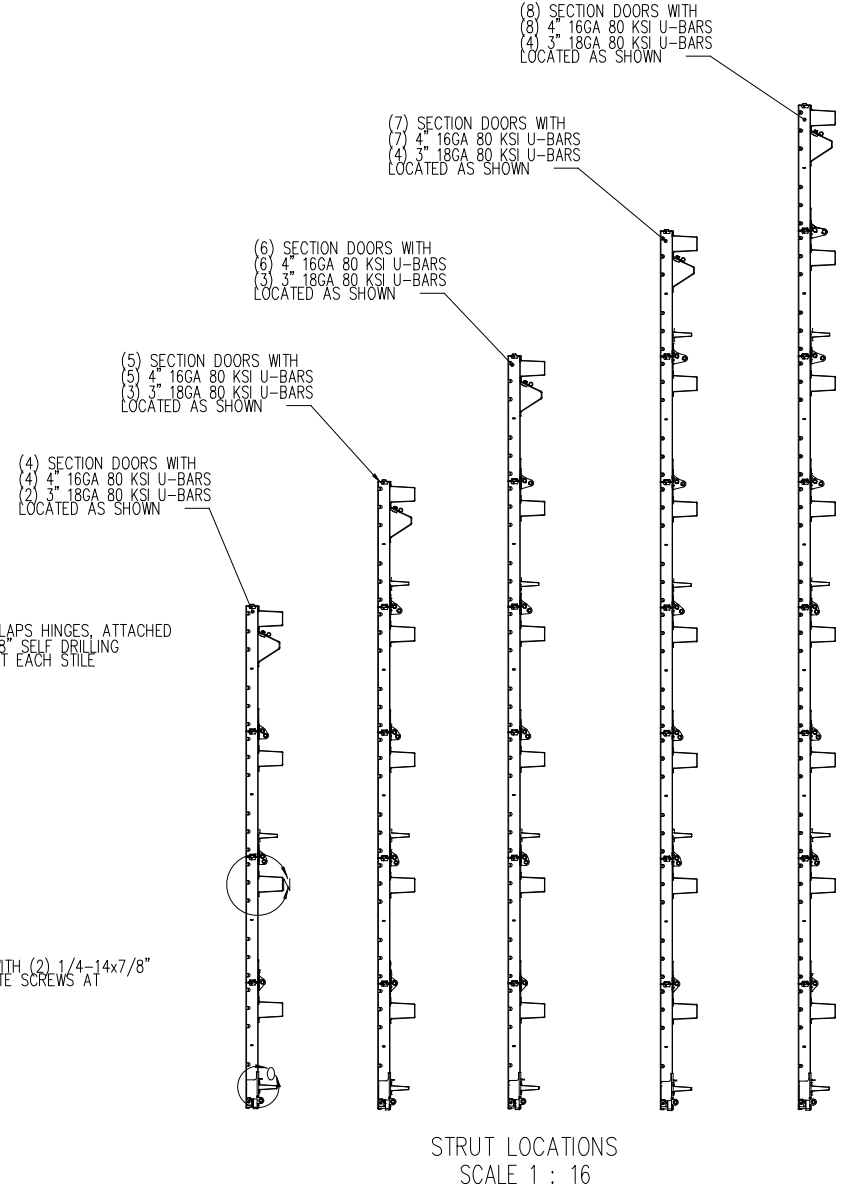
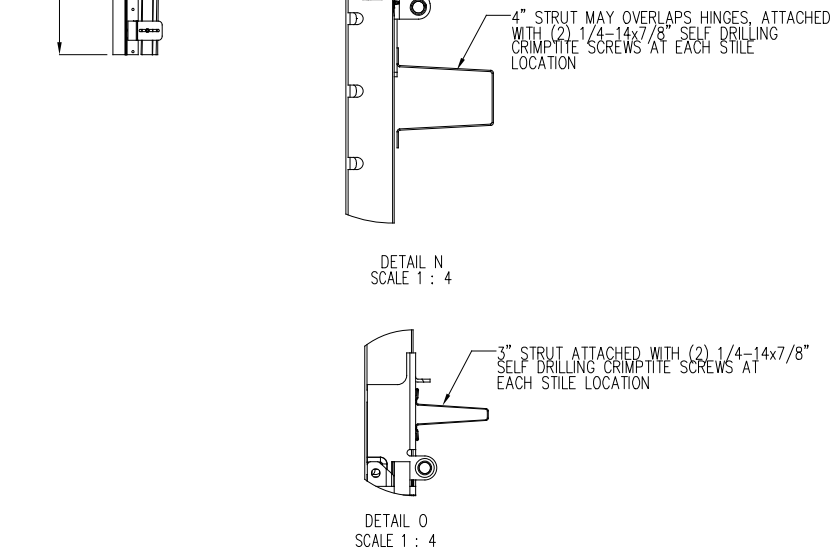
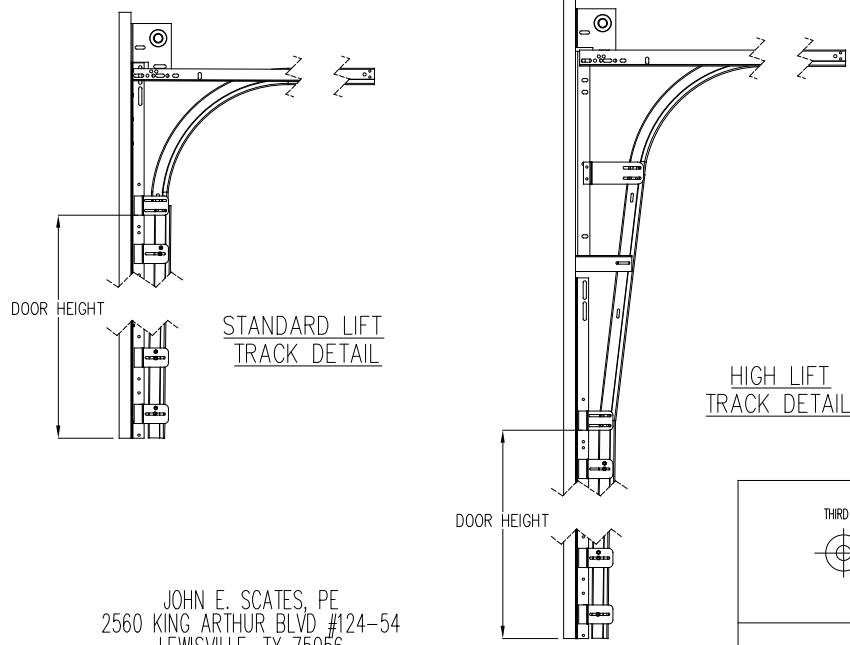
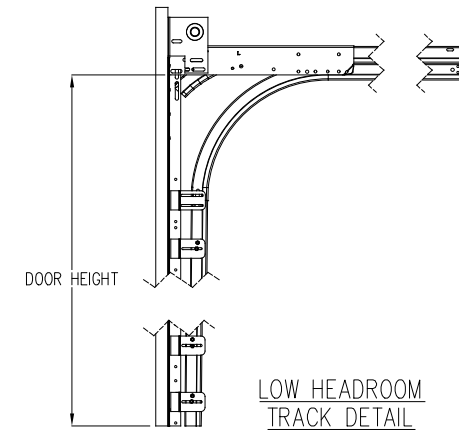
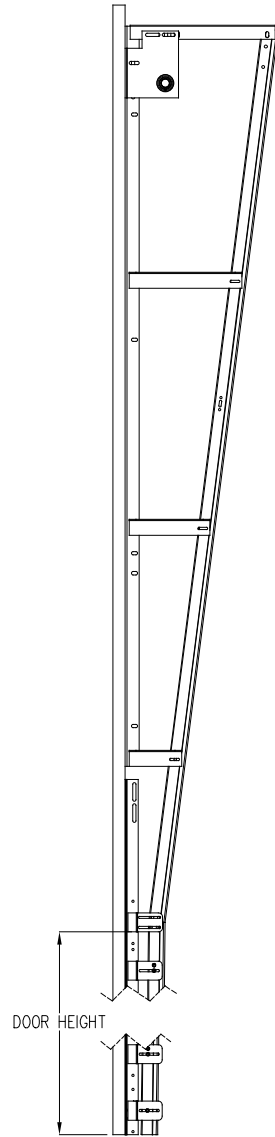
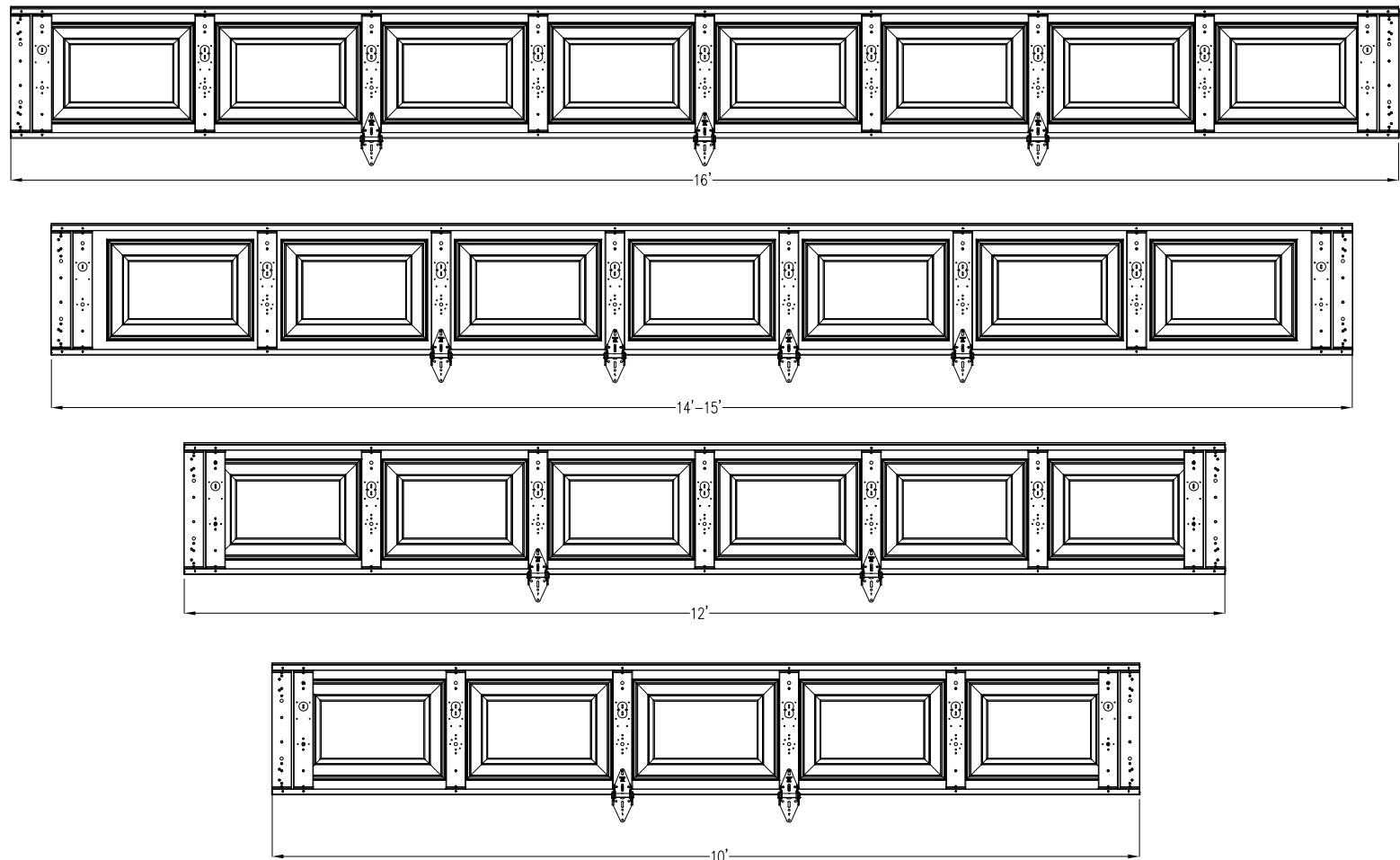
TOLERANCES:
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.XX = ±.03
.XXX = ±.010
ANGULAR = ±.5°
HOLES:
< Ø.251 = +.004/- .003
Ø.251-Ø.500 = +.006/- .003
> Ø.500 = +.008/- .003
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APPROVALS	DATE
DRAWN G. CLARK	4-11-19
CHECKED D. KORNISH	2-18-20
APPROVED	-
MATERIAL	-
FINISH	-
WINDLOAD SPECIFICATION OPTION CODE 1128	

The Genuine. The Original. 2501 S, TX-121 BUS LEWISVILLE, TEXAS	
DESCRIPTION 170/171/175/180/181/185/ 1400/1500 16'2" MAX WIDTH	
SIZE D	DWG NO. D-411689
SCALE 1:12	UOM = EA
SHEET 2 OF 4	

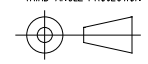
NOTES: (UNLESS OTHERWISE SPECIFIED)

CENTER STILE AND INTERMEDIATE HINGE LOCATIONS



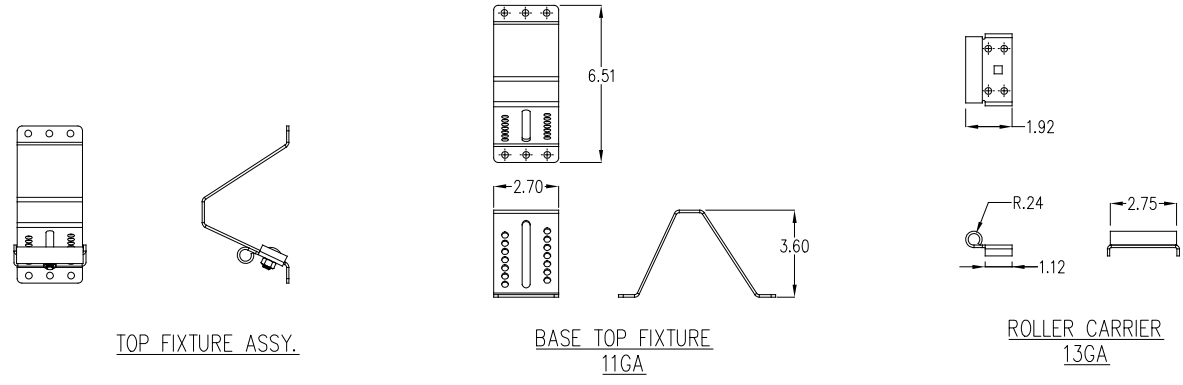
JOHN E. SCATES, PE
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FL PE 51737 TX PE 56308/F2203

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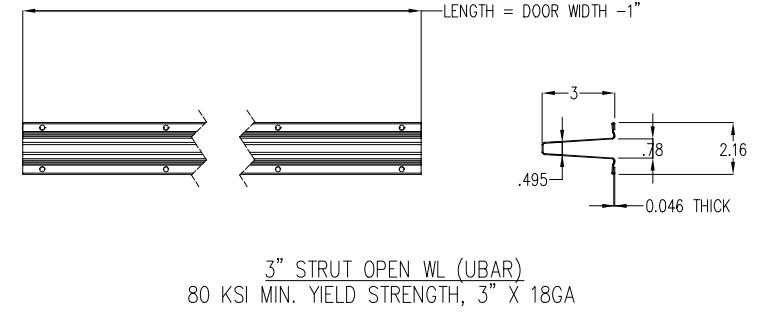
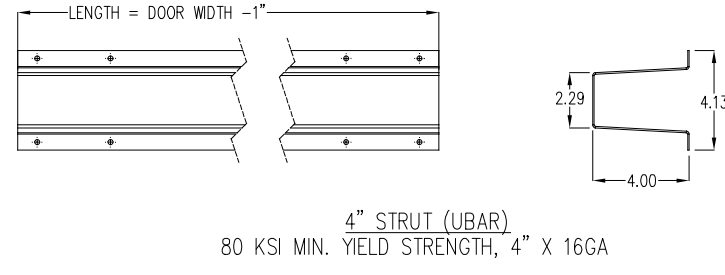


UNLESS OTHERWISE SPECIFIED		APPROVALS	DATE	The Genuine. The Original. OVERHEAD DOOR 2501 S, TX-121 BUS LEWISVILLE, TEXAS
INTERPRET DIMS & TOLS PER ASME Y14.5M	TOLERANCES:	DRAWN	G.CLARK	
ALL DIMS ARE IN INCHES	.X = ±.1	CHECKED	D. KORNISH	2-18-20
DO NOT SCALE	.XX = ±.03	APPROVED	-	-
DIMS CIRCLED WITH SYMBOL 'D' ARE CRITICAL TO QUALITY DESIGN FEATURES & MUST MEET APPLICABLE IN-PROCESS INSPECTION STANDARDS.	.XXX = ±.010	MATERIAL	-	DESCRIPTION
	ANGULAR = ±.5°	FINISH	-	170/171/175/180/181/185/ 1400/1500 16'2" MAX WIDTH
	HOLES:	WINDLOAD SPECIFICATION OPTION CODE 1128		SIZE DWG NO.
	< Ø.251 = +.004/- .003			D D-411689
	Ø.251-Ø.500 = +.006/- .003			REV A
	> Ø.500 = +.008/- .003			SCALE 1:12 UOM = EA SHEET 3 OF 4
	ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:			

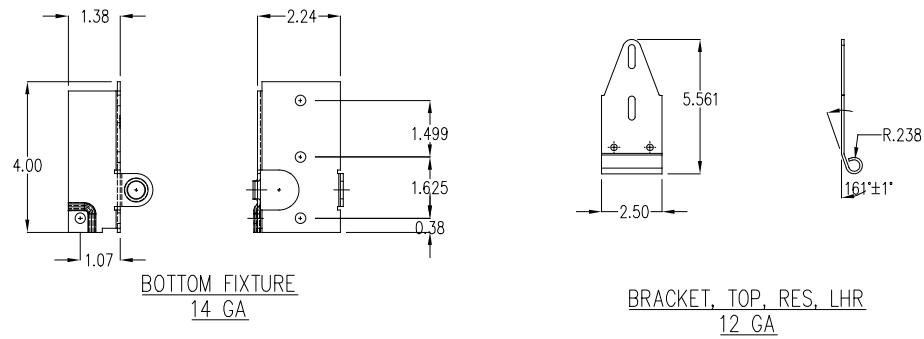
NOTES: (UNLESS OTHERWISE SPECIFIED)
 1. FOR DIMENSIONS AND NOTE REFERENCES, REFER TO INDIVIDUAL DRAWINGS.



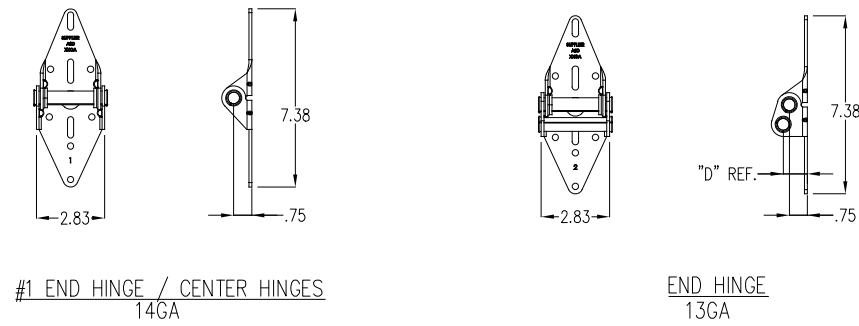
TOP FIXTURE DETAILS



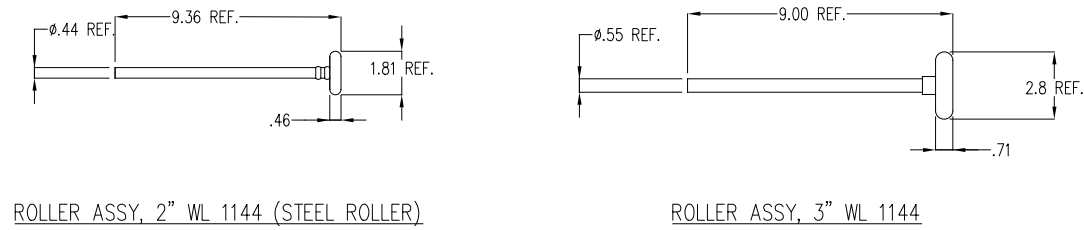
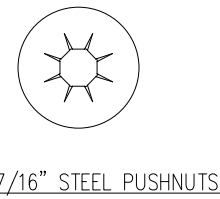
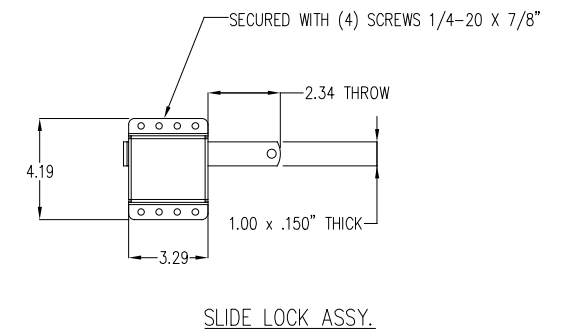
STRUT DETAILS



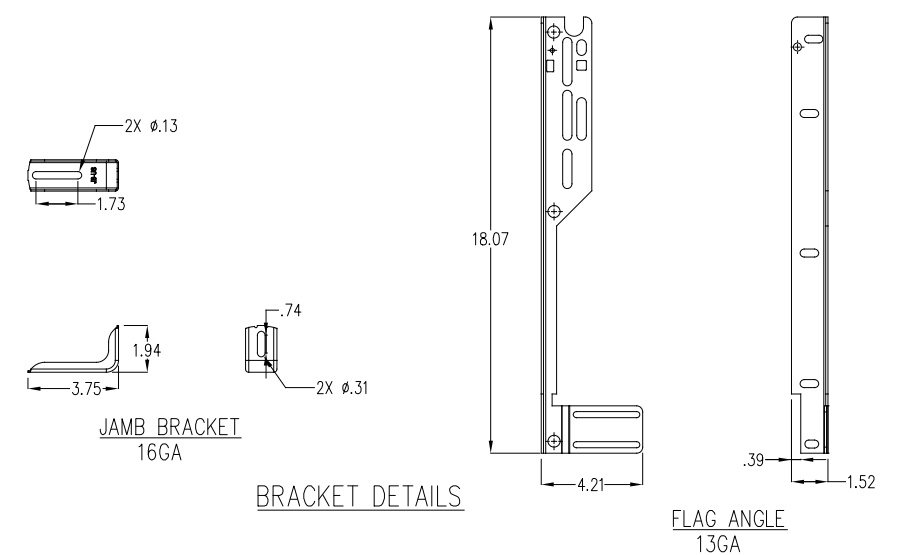
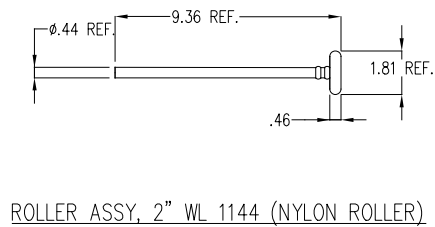
BOTTOM FIXTURE DETAILS



HINGE DETAILS

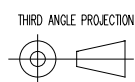


ROLLER STEM ASSY DETAILS (WITH PUSH NUTS)



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SIZE	DWG NO.	REV	
D	D-411689	A	
SCALE 1:12	UOM = EA	SHEET 4 OF 4	