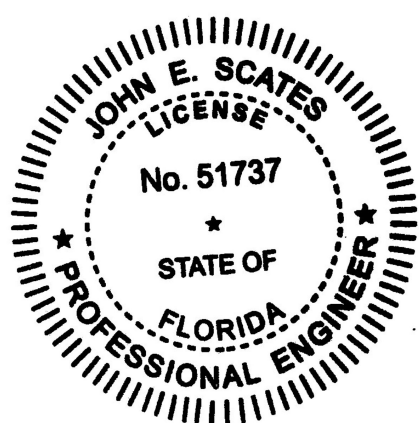
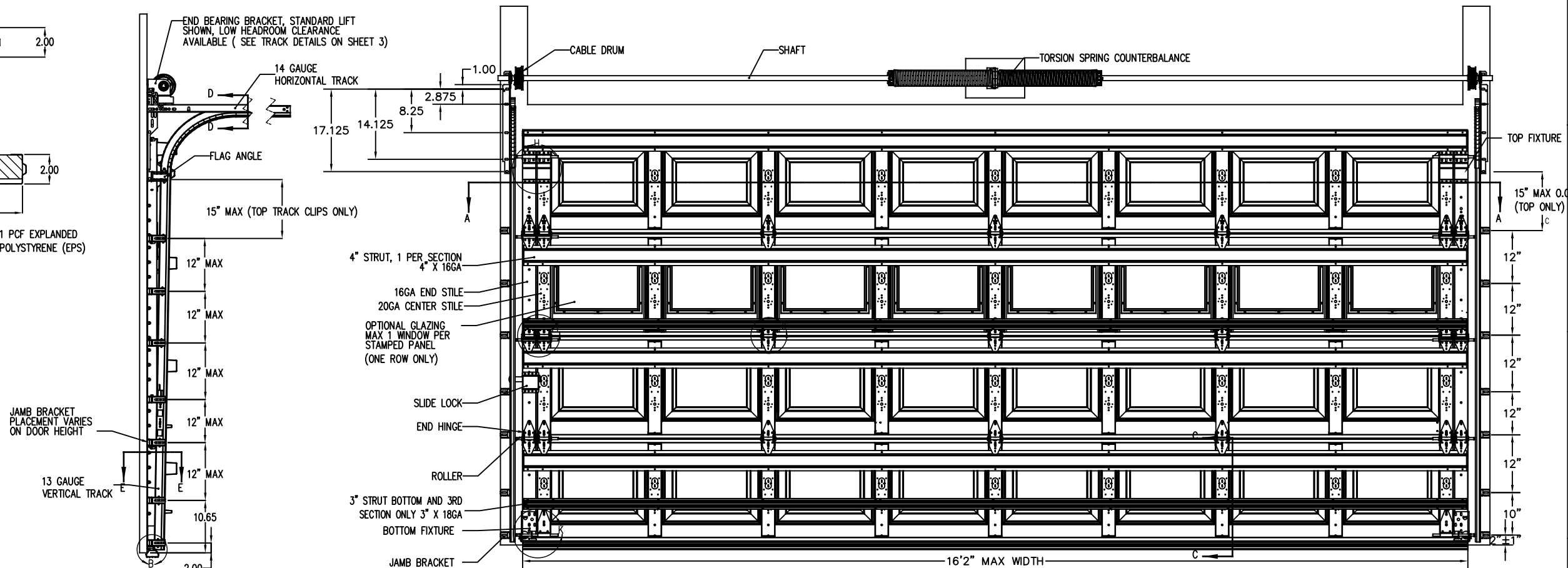
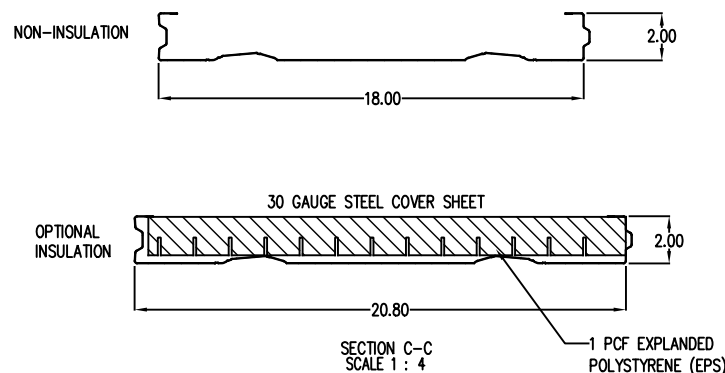
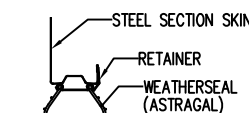
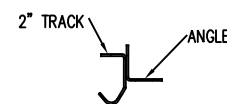
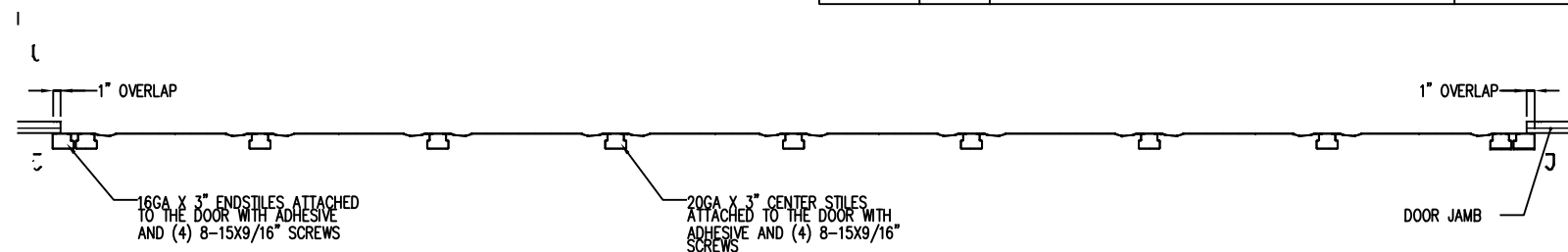


NOTES: (UNLESS OTHERWISE SPECIFIED)

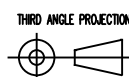
1. RATED DESIGN LOAD +46/-52 PSF.
2. SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS, 20.8" MAXIMUM SECTION HEIGHT.
3. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.
4. TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201-94, TAS 202-94, & TAS 203-94.
5. DOOR 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:
 $F_v = (1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $F_v = 371 \text{ LBS.}$
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), 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 OF SECTION.
15. KEY LOCK, SLIDE 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 18:29:11 -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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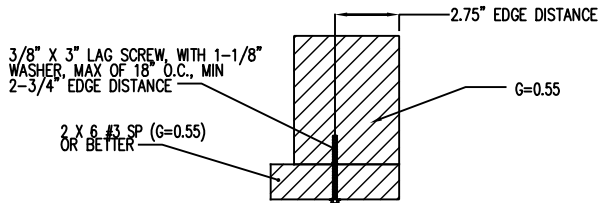
INTERPRET DIMS & TOLS
PER ASME Y14.5M
ALL DIMS ARE IN
INCHES
DO NOT SCALE
DIM CIRCLED WITH SYMBOL '⌀'
ARE CRITICAL TO QUALITY DESIGN
FEATURES & MUST MEET APPLICABLE
IN-PROCESS INSPECTION STANDARDS.

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
.X = ±.1
.XX = ±.03
.XXX = ±.010
ANGULAR = ±.5°
HOLES:
< ⌀.251 = +.004/- .003
⌀.251-⌀.500 = +.006/- .003
> ⌀.500 = +.008/- .003
ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

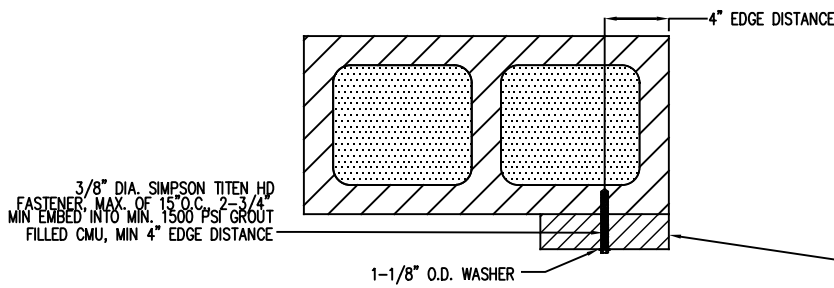
APPROVALS	DATE
G. CLARK	4-11-19
D. KORNISH	2-18-20
APPROVED	-
MATERIAL	-
FINISH	-
WINDLOAD SPECIFICATION OPTION CODE 1128	

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

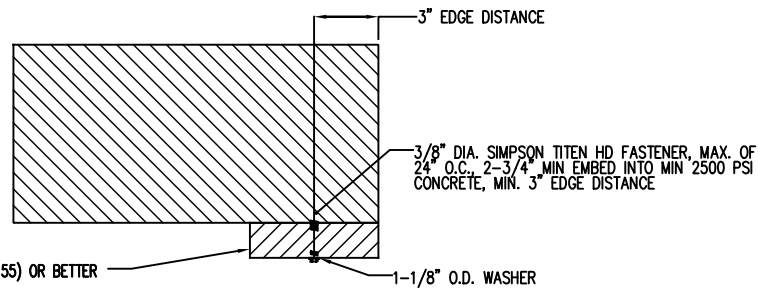
NOTES: (UNLESS OTHERWISE SPECIFIED)



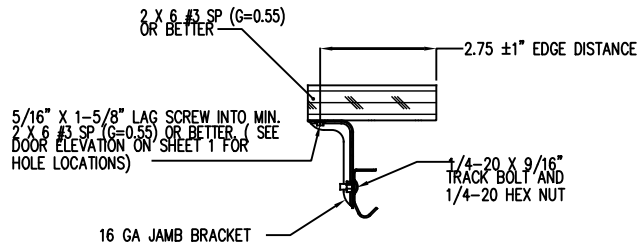
WOOD MOUNTED TO #3 SOUTHERN PINE SUBSTRATE



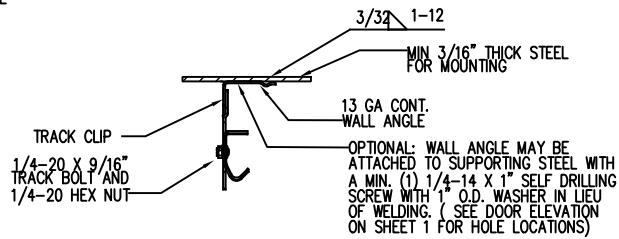
WOOD MOUNTED TO GROUT FILLED MASONRY BLOCK DETAIL



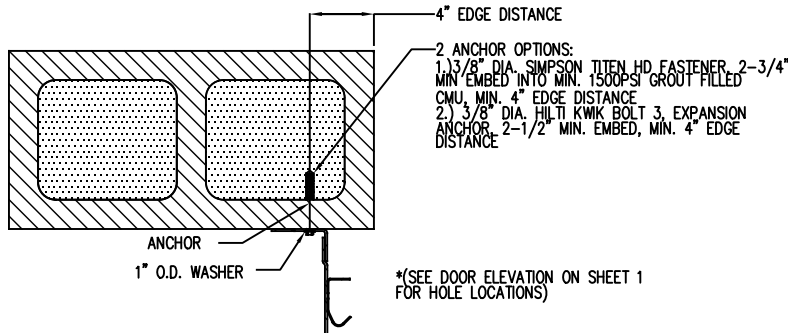
WOOD MOUNTED TO 2500PSI CONCRETE DETAIL



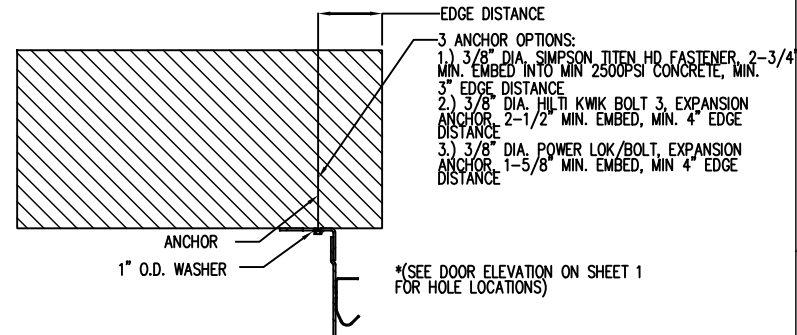
MOUNTING TO WOOD JAMB DETAIL



MOUNTING TO STEEL JAMB DETAIL

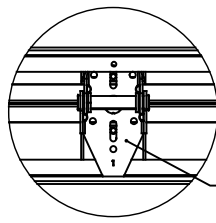


MOUNTING TO GROUT FILLED MASONRY BLOCK DETAIL



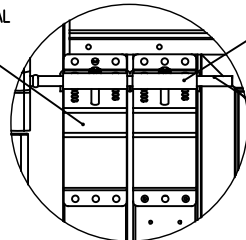
MOUNTING TO 2500PSI CONCRETE DETAIL

SECTION E - E
SCALE 1 : 4

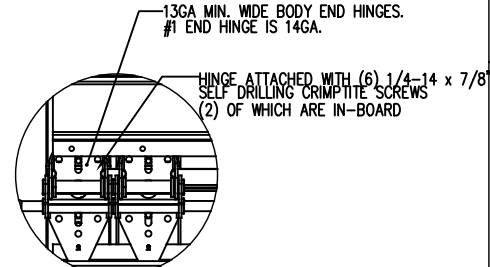


DETAIL J
SCALE 1 : 4

11 GA TOP FIXTURE COMMERCIAL A-FRAME BRACKET

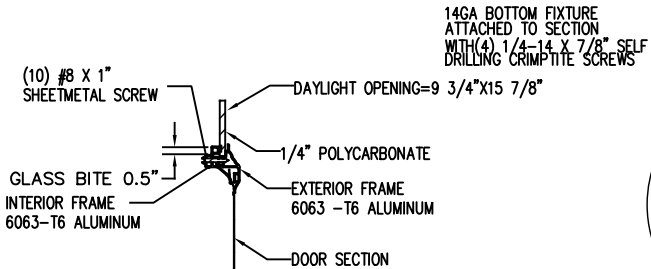


DETAIL H
SCALE 1 : 4



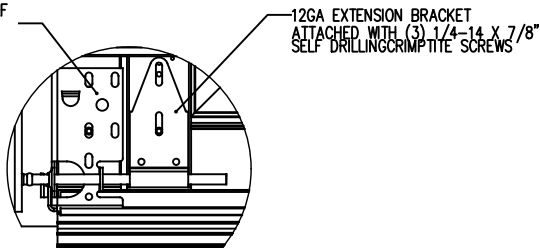
DETAIL K
SCALE 1 : 4

OPTIONAL WALL ANGLE TRACK

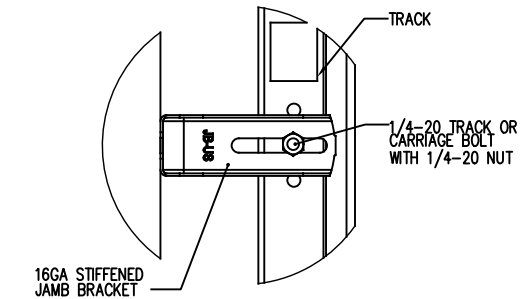


WINDOW DETAIL

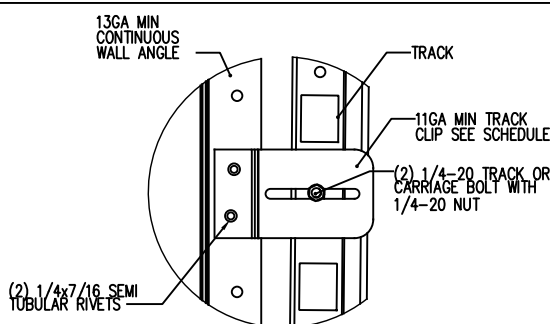
SECTION F - F
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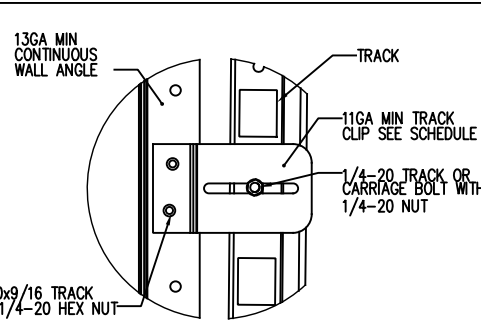
DETAIL K
SCALE 1 : 4



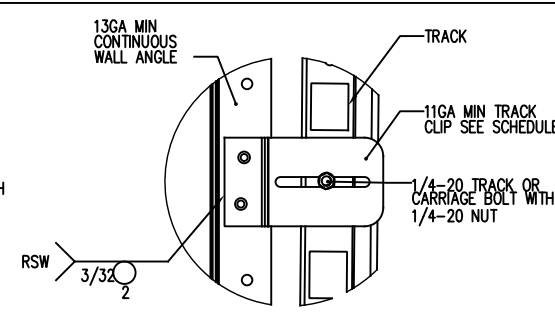
TYPICAL TRACK AND JAMB FASTENERS DETAIL



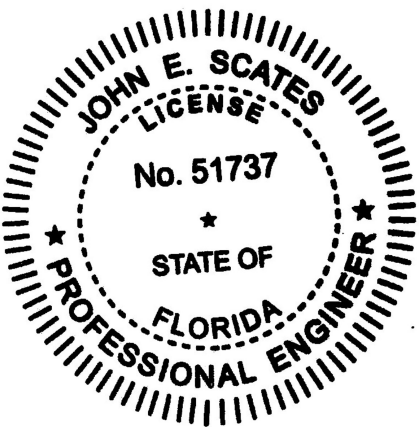
TYPICAL TRACK CLIP RIVETING DETAIL



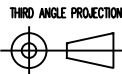
TYPICAL TRACK CLIP BOLTING DETAIL



TYPICAL TRACK CLIP WELDING DETAIL



JOHN E. SCATES, PE
2560 KING ARTHUR BLVD #124-54
LEWISVILLE, TX 75056
FL PE 51737 TX PE 56308/F2203
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PER ASME Y14.5M
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INCHES
DO NOT SCALE

DIMS CIRCLED WITH SYMBOL ARE CRITICAL TO QUALITY DESIGN
FEATURES & MUST MEET APPLICABLE
IN-PROCESS INSPECTION STANDARDS.

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 1128

The Genuine. The Original.

OVERHEAD DOOR

2501 S, TX-121 BUS

LEWISVILLE, TEXAS

DESCRIPTION

170/171/175/180/181/185/

1400/1500 16'2" MAX WIDTH

SIZE DWG NO.

D-411689

REV B

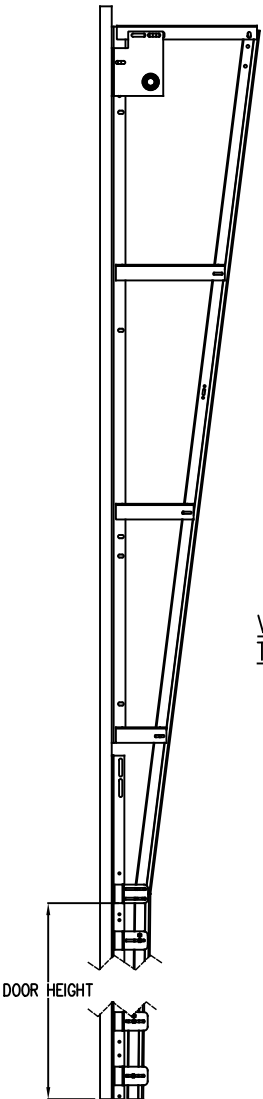
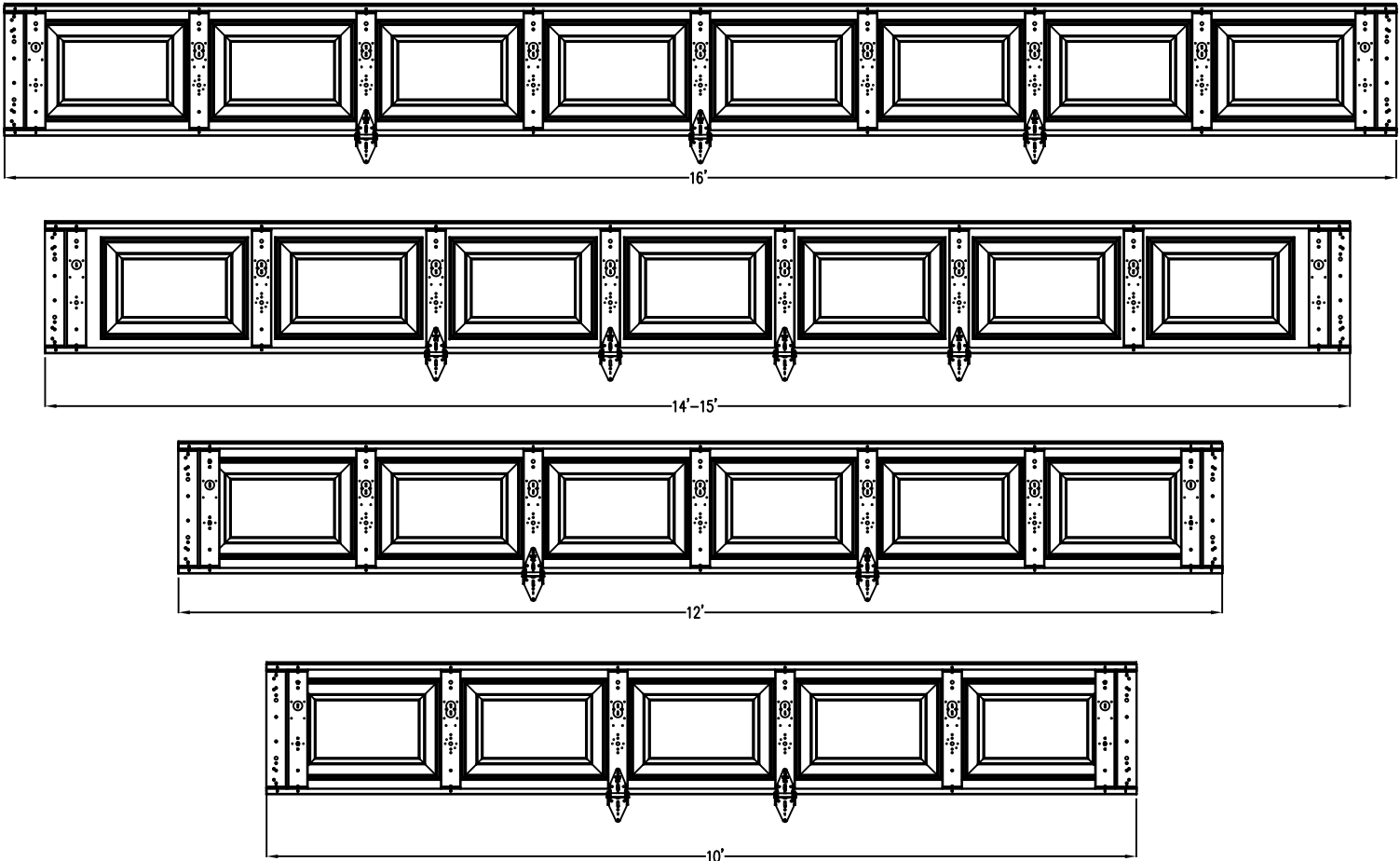
SCALE 1:12

UOM = EA

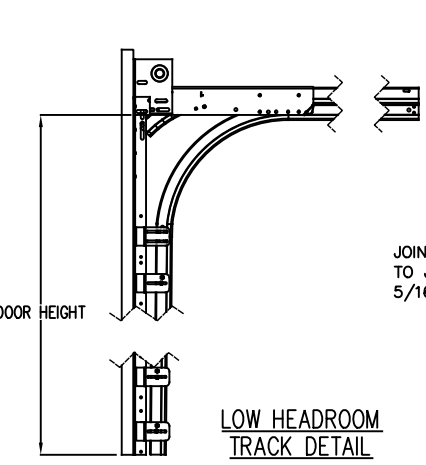
SHEET 2 OF 4

NOTES: (UNLESS OTHERWISE SPECIFIED)

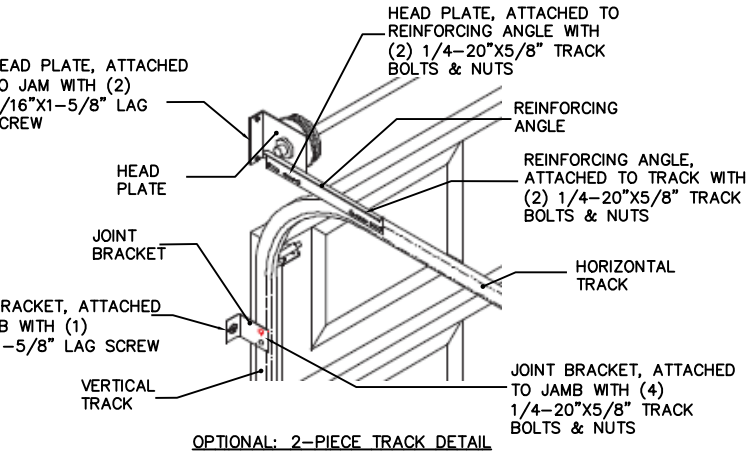
CENTER STILE AND INTERMEDIATE HINGE LOCATIONS



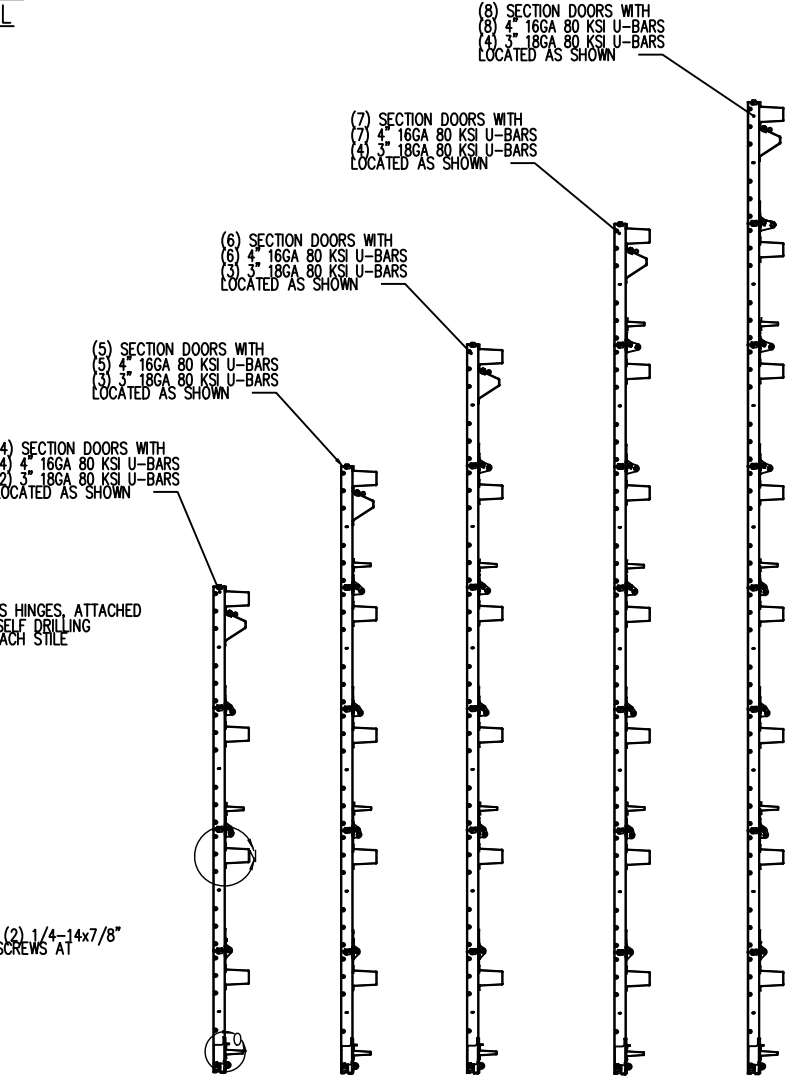
VERTICAL LIFT
TRACK DETAIL



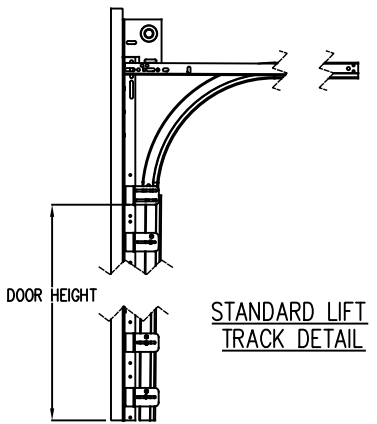
LOW HEADROOM
TRACK DETAIL



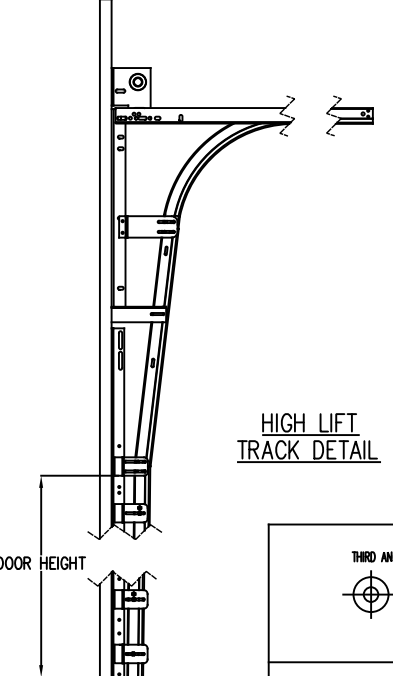
OPTIONAL: 2-PIECE TRACK DETAIL



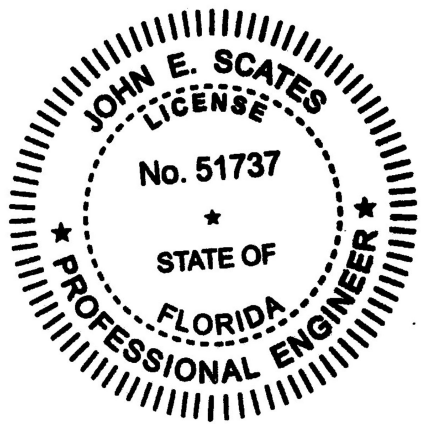
STRUT LOCATIONS
SCALE 1 : 16



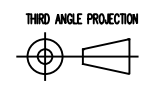
STANDARD LIFT
TRACK DETAIL



HIGH LIFT
TRACK DETAIL



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THIRD ANGLE PROJECTION

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INTERPRET DIMS & TOLS PER ASME Y14.5M ALL DIMS ARE IN INCHES DO NOT SCALE	TOLERANCES:		DRAWN	G. CLARK	4-11-19		LEWISVILLE, TEXAS				
	.X = ±.1		CHECKED	D. KORNISH	2-18-20						
	.XX = ±.03		APPROVED	-	-						
	.XXX = ±.010		MATERIAL	-							
	ANGULAR = ±.5°		FINISH	-							
DIMS CIRCLED WITH SYMBOL 'D', ARE CRITICAL TO QUALITY DESIGN FEATURES & MUST MEET APPLICABLE IN-PROCESS INSPECTION STANDARDS.	HOLES:		WINDLOAD SPECIFICATION		DESCRIPTION		170/171/175/180/181/185/ 1400/1500 16'2" MAX WIDTH				
	< Ø.251 =+.004/- .003		OPTION CODE 1128		SIZE		DWG NO.		REV		
	Ø.251-Ø.500 =+.006/- .003				D		D-411689		A		
	> Ø.500 =+.008/- .003										
ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:						SCALE 1:12		UOM = EA		SHEET 3 OF 4	

