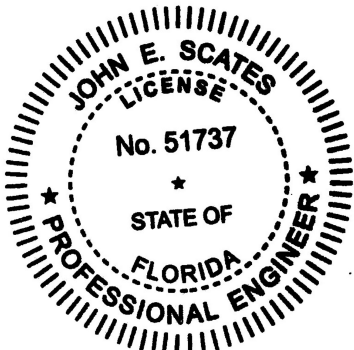
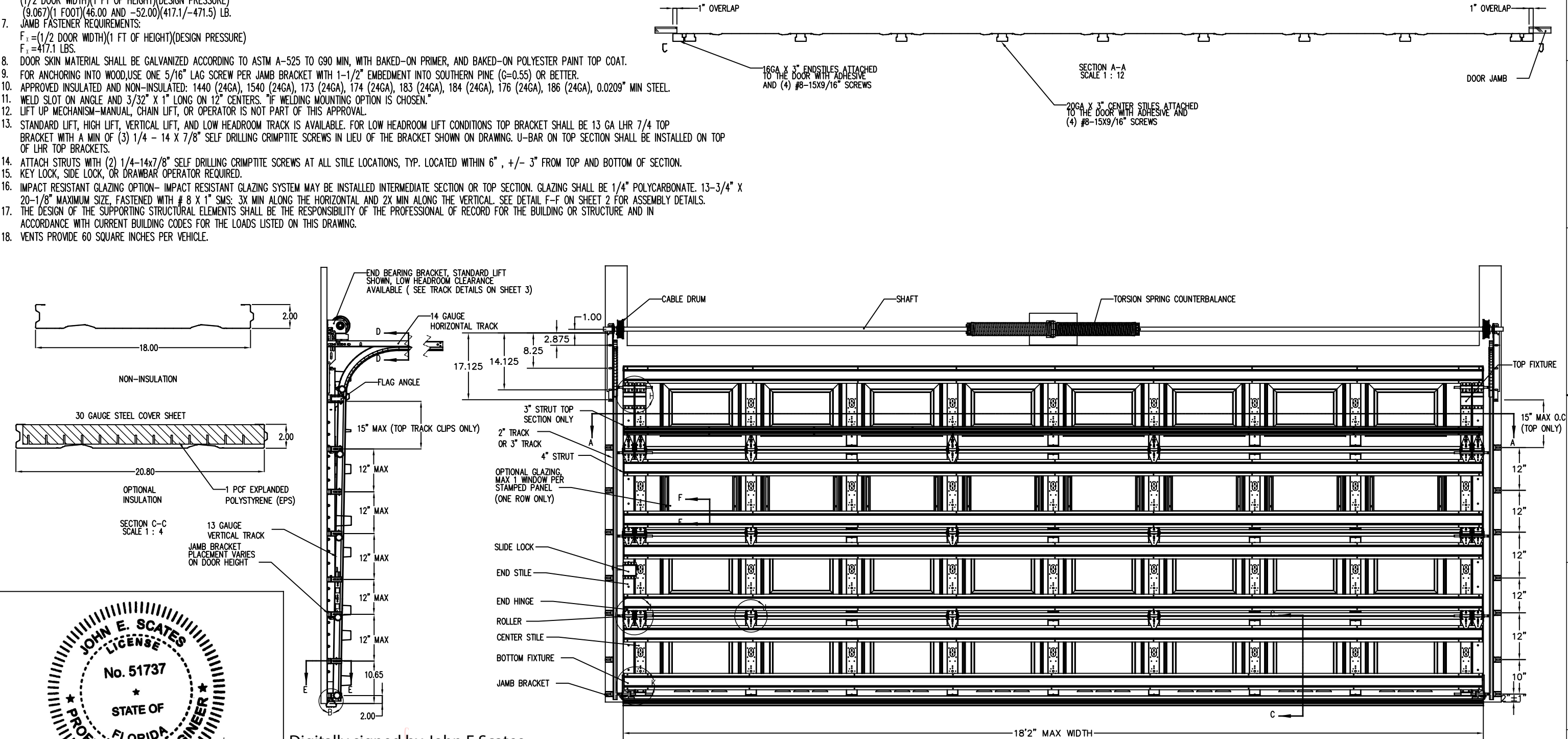


NOTES: (UNLESS OTHERWISE SPECIFIED)

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:
 $(1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $(9.067)(1 \text{ FOOT})(46.00 \text{ AND } -52.00)(417.1/-471.5) \text{ LB.}$
7. JAMB FASTENER REQUIREMENTS:
 $F_x = (1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $F_x = 417.1 \text{ LBS.}$
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: 1440 (24GA), 1540 (24GA), 173 (24GA), 174 (24GA), 183 (24GA), 184 (24GA), 176 (24GA), 186 (24GA), 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. VENTS PROVIDE 60 SQUARE INCHES PER VEHICLE.

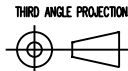
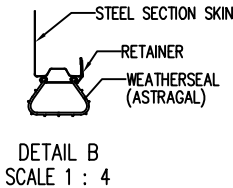
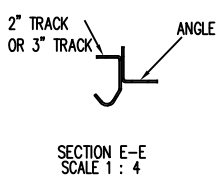
REVISIONS				
ER	REV	DESCRIPTION	DATE	APVL
ER	-	NEW DRAWING	10/28/21	JQ
32769	A	REVISED PER PCR	10/2/23	SW



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

TX PE 56398/F2203
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Digitally signed by John E Scates
Date: 2023.10.07 18:30:52 -05'00'



INTERPRET DIMS & TOLS
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ALL DIMS ARE IN
INCHES
DO NOT SCALE

DIMS CIRCLED WITH SYMBOL 'O'
ARE CRITICAL TO QUALITY DESIGN
FEATURES & MUST MEET APPLICABLE
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UNLESS OTHERWISE SPECIFIED

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

WINDLOAD SPECIFICATION
OPTION CODE 1146

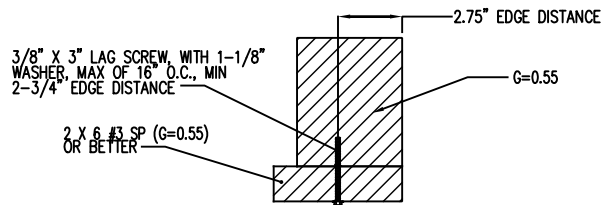
The Genuine. The Original.
OVERHEAD DOOR
2501 S, TX-121 BUS
LEWISVILLE, TEXAS

DESCRIPTION
173/174/176/183/184/186/
1440/1540 18'2" MAX WIDTH

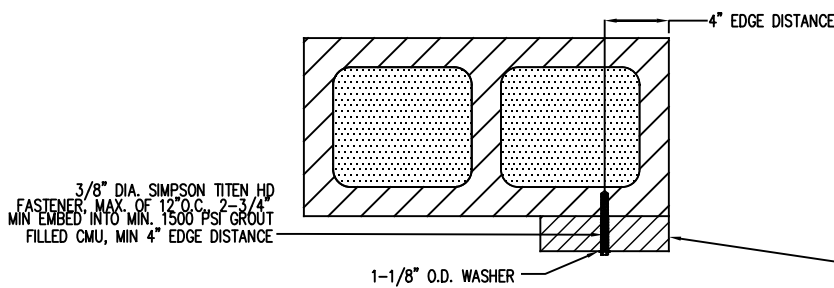
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D-411619

SCALE 1:12 UOM = EA SHEET 1 OF 4

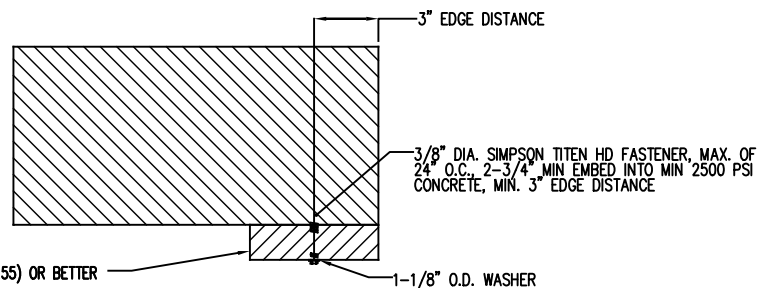
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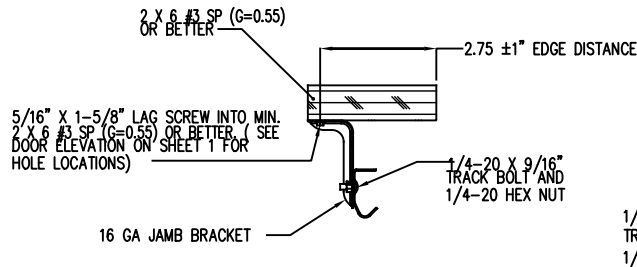
WOOD MOUNTED TO #3 SOUTHERN PINE SUBSTRATE



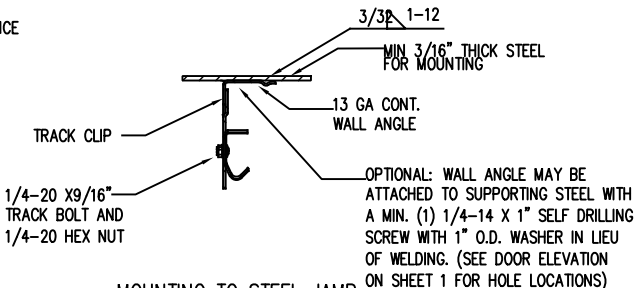
WOOD MOUNTED TO GROUT FILLED MASONRY BLOCK DETAIL



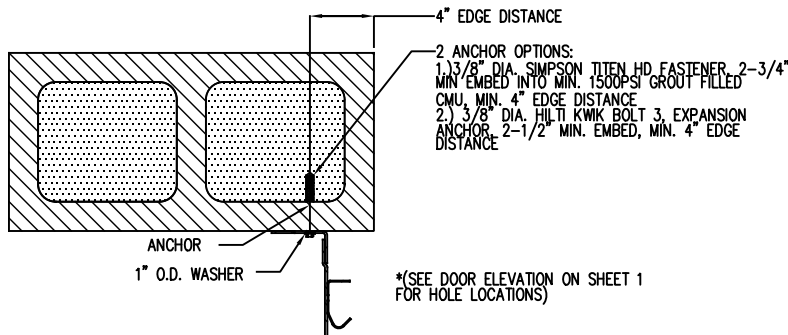
WOOD MOUNTED TO 2500PSI CONCRETE DETAIL



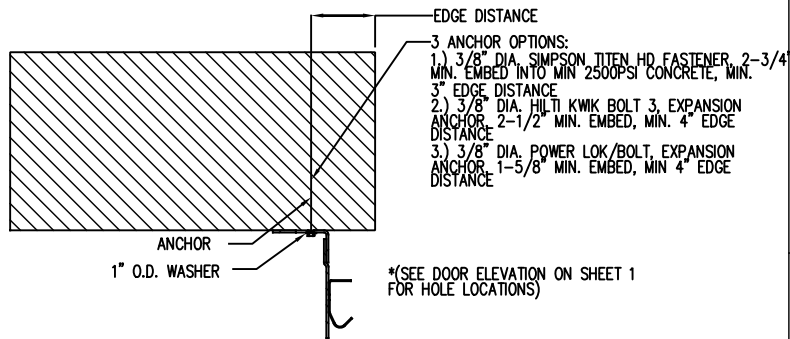
MOUNTING TO WOOD JAMB DETAIL



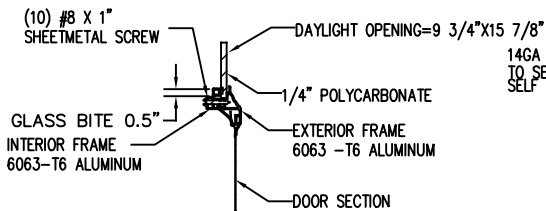
MOUNTING TO STEEL JAMB DETAIL



MOUNTING TO GROUT FILLED MASONRY BLOCK DETAIL

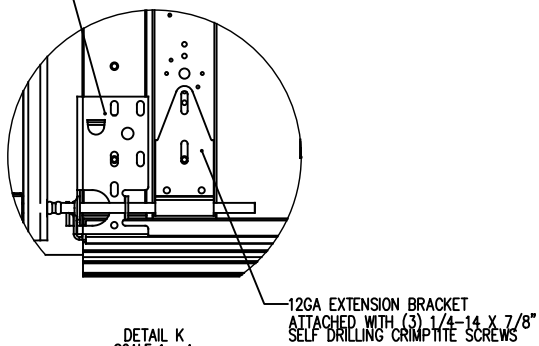


MOUNTING TO 2500PSI CONCRETE DETAIL

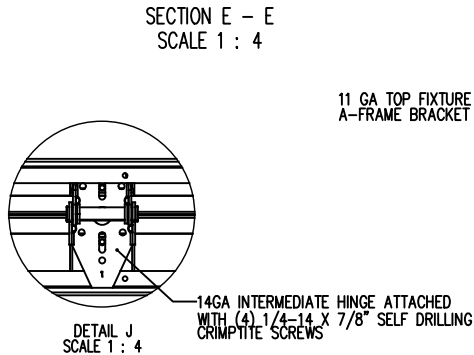


WINDOW DETAIL

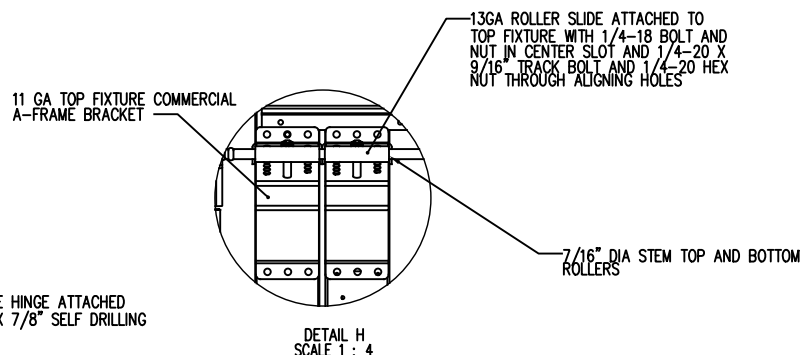
SECTION F-F
SCALE 1: 4



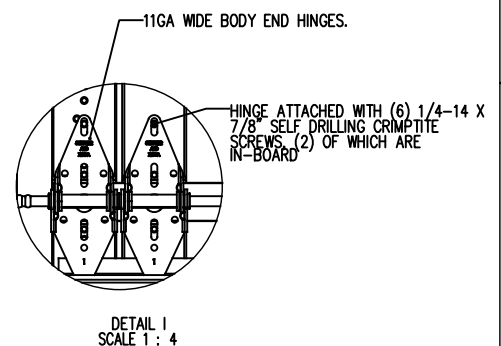
DETAIL K
SCALE 1: 4



DETAIL J
SCALE 1: 4

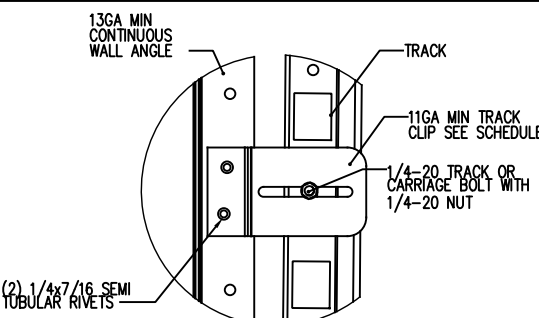


DETAIL H
SCALE 1: 4

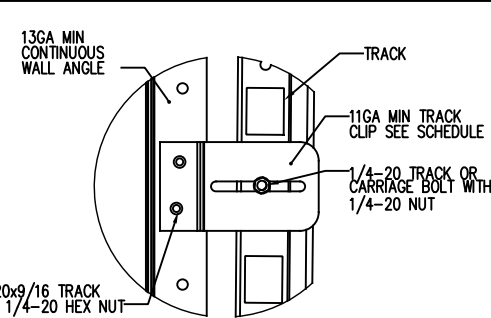


DETAIL I
SCALE 1: 4

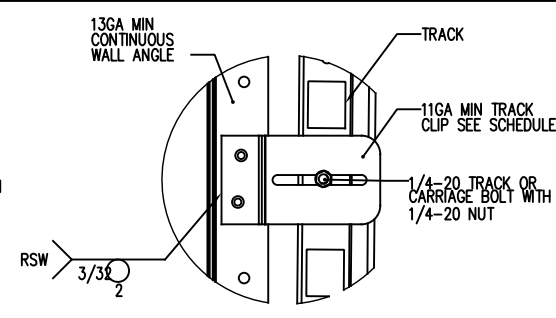
OPTIONAL WALL ANGLE TRACK



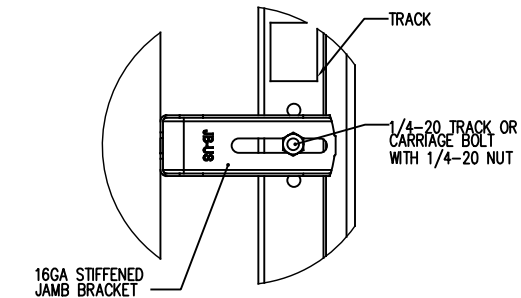
TYPICAL TRACK CLIP RIVETING DETAIL



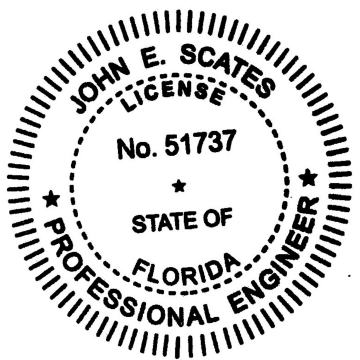
TYPICAL TRACK CLIP BOLTING DETAIL



TYPICAL TRACK CLIP WELDING DETAIL

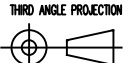


TYPICAL TRACK AND JAMB FASTENERS DETAIL



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

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ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

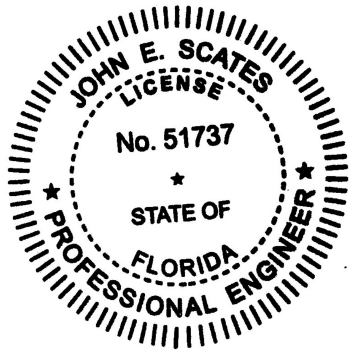
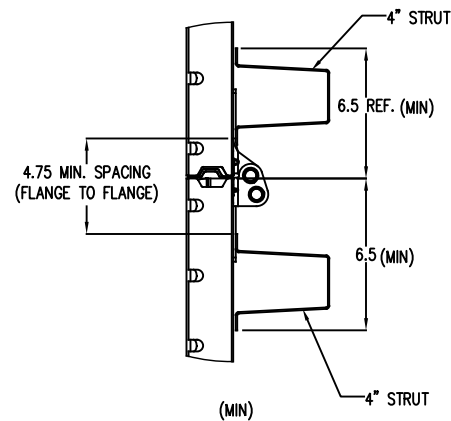
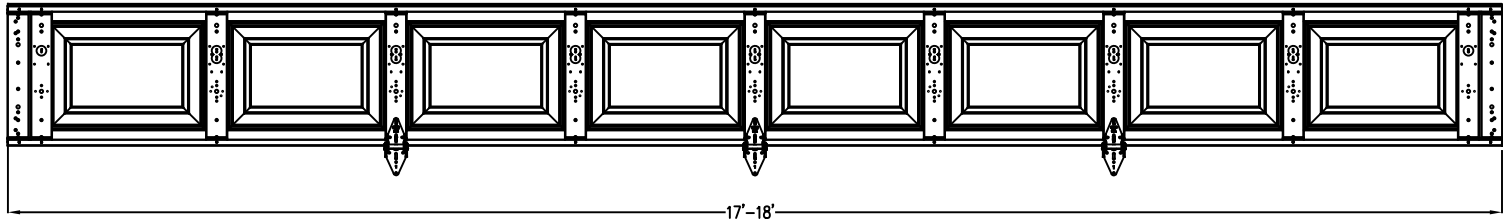
APPROVALS	DATE
DRAWN G. CLARK	4-11-19
CHECKED D. KORNISH	2-18-20
APPROVED	-
MATERIAL	-
FINISH	-
WINDLOAD SPECIFICATION OPTION CODE 1146	

The Genuine. The Original. 2501 S, TX-121 BUS LEWISVILLE, TEXAS	
DESCRIPTION 173/174/176/183/184/186/ 1440/1540 18'2" MAX WIDTH	
SIZE DWG NO. D	NO. D-411619
REV A	

SCALE 1:12 UOM = EA SHEET 2 OF 4

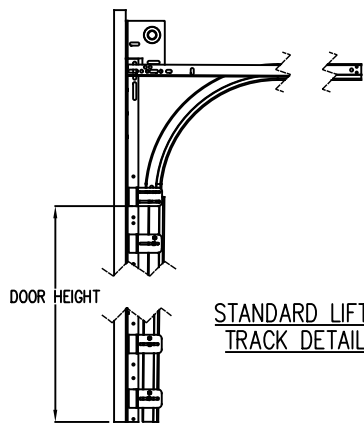
NOTES: (UNLESS OTHERWISE SPECIFIED)

CENTER STILE AND INTERMEDIATE HINGE LOCATIONS

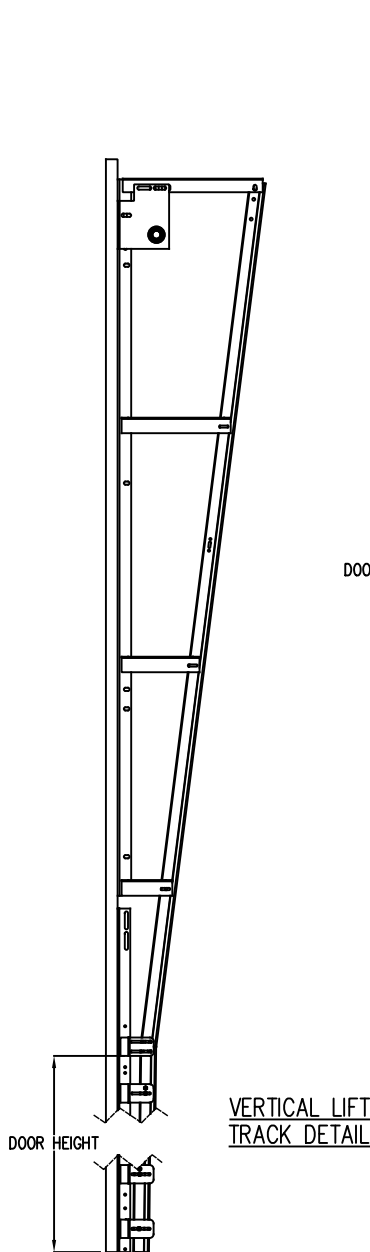


JOHN E. SCATES, PE
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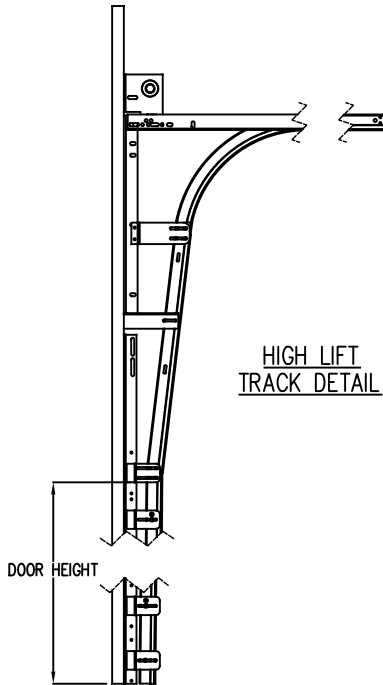
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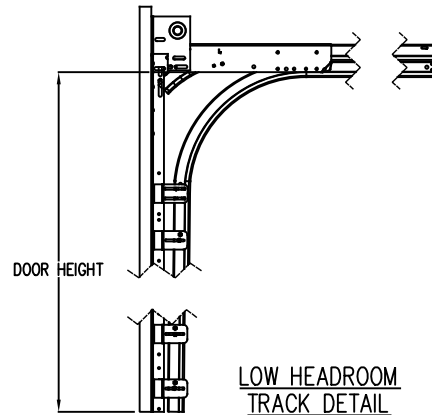
STANDARD LIFT
TRACK DETAIL



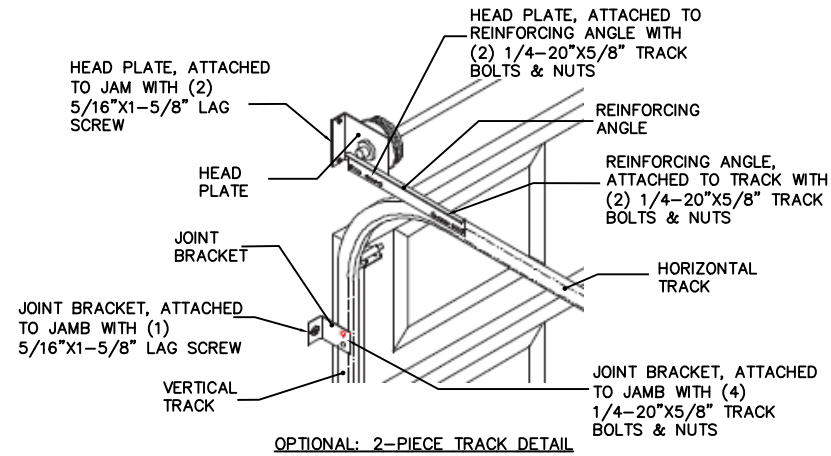
VERTICAL LIFT
TRACK DETAIL



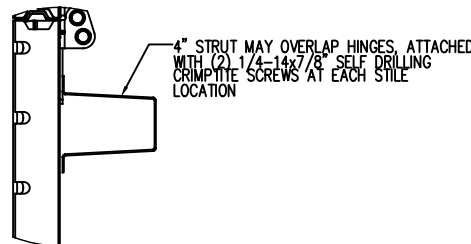
HIGH LIFT
TRACK DETAIL



LOW HEADROOM
TRACK DETAIL



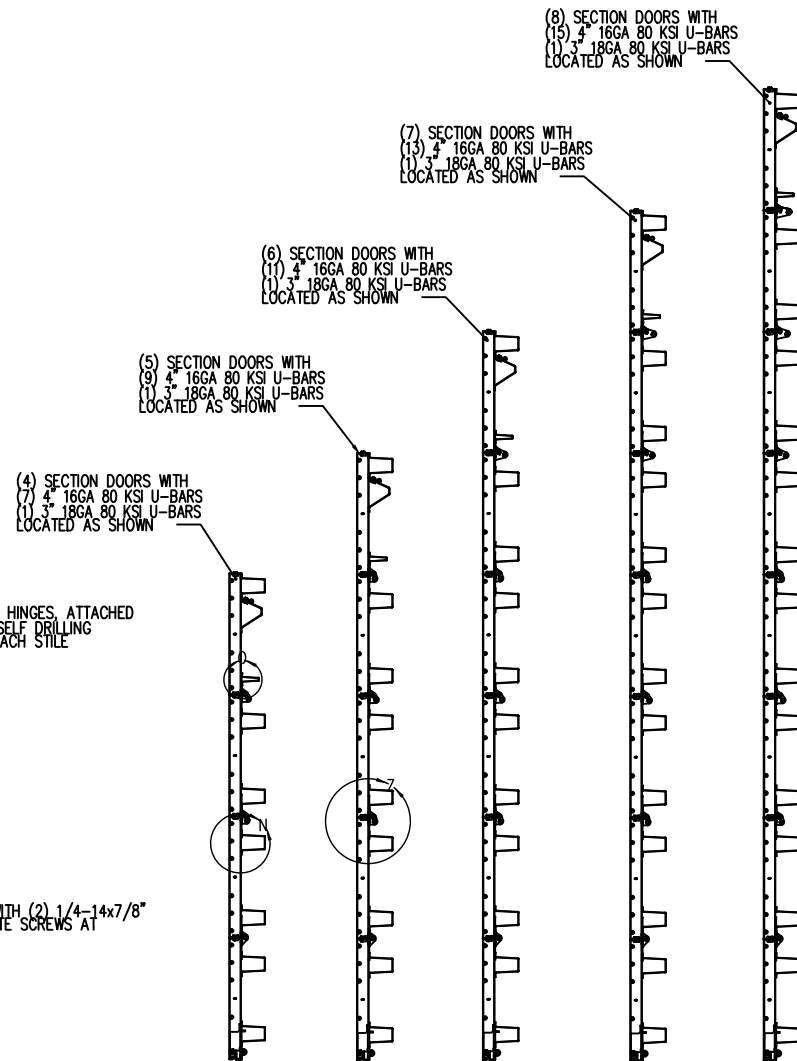
OPTIONAL: 2-PIECE TRACK DETAIL



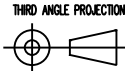
DETAIL N
SCALE 1 : 4



DETAIL O
SCALE 1 : 4



STRUT LOCATIONS
SCALE 1 : 16



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