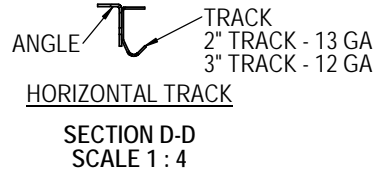
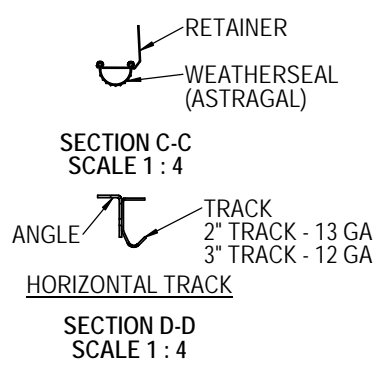
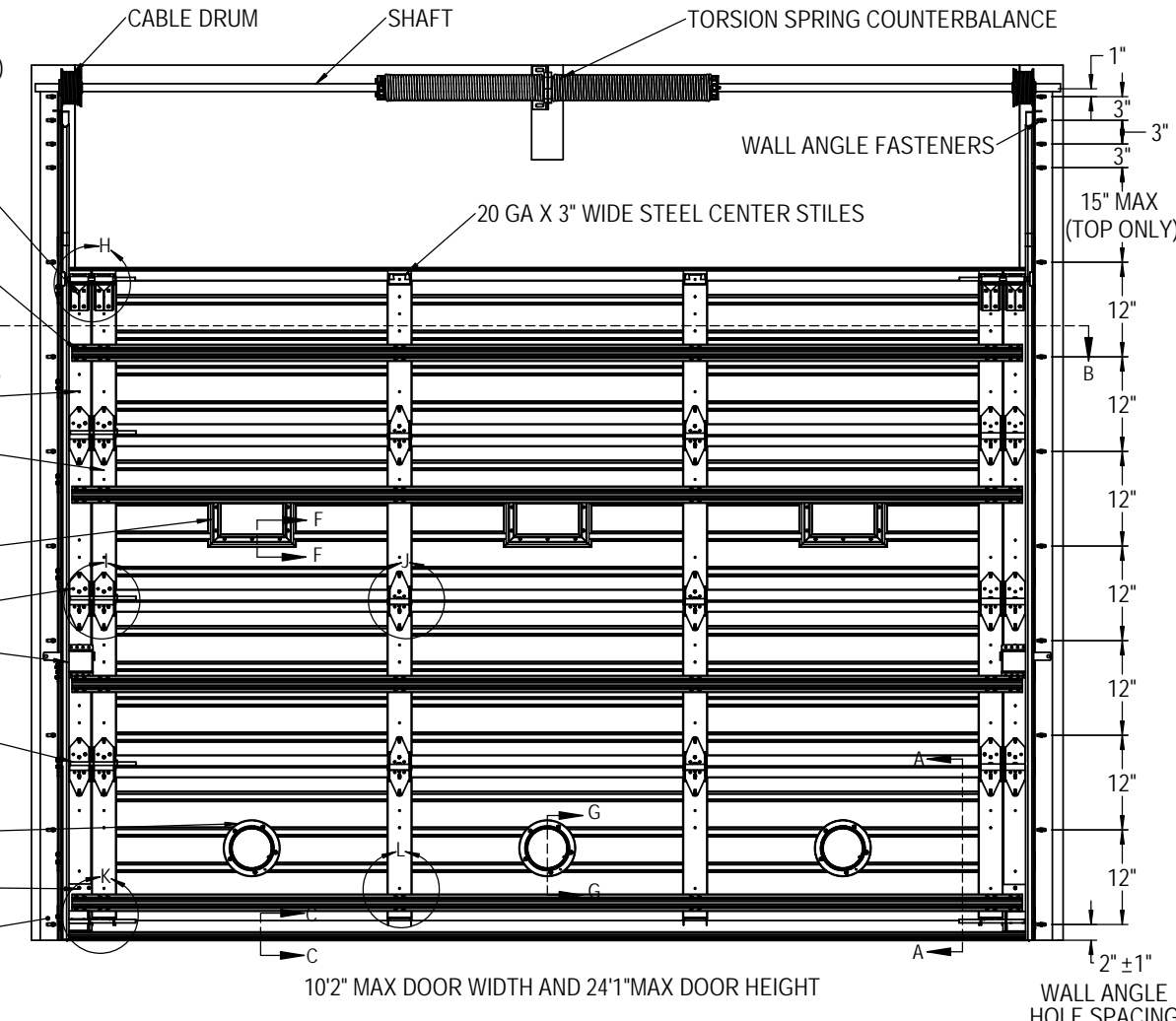
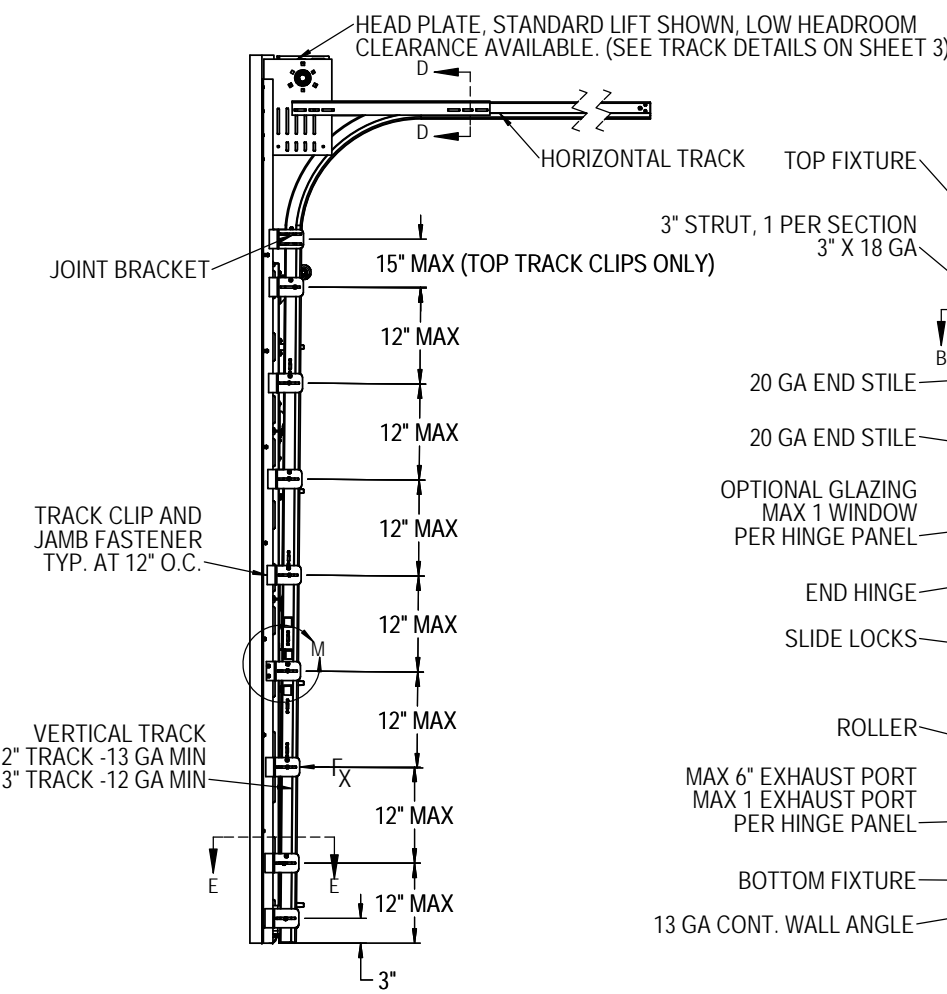
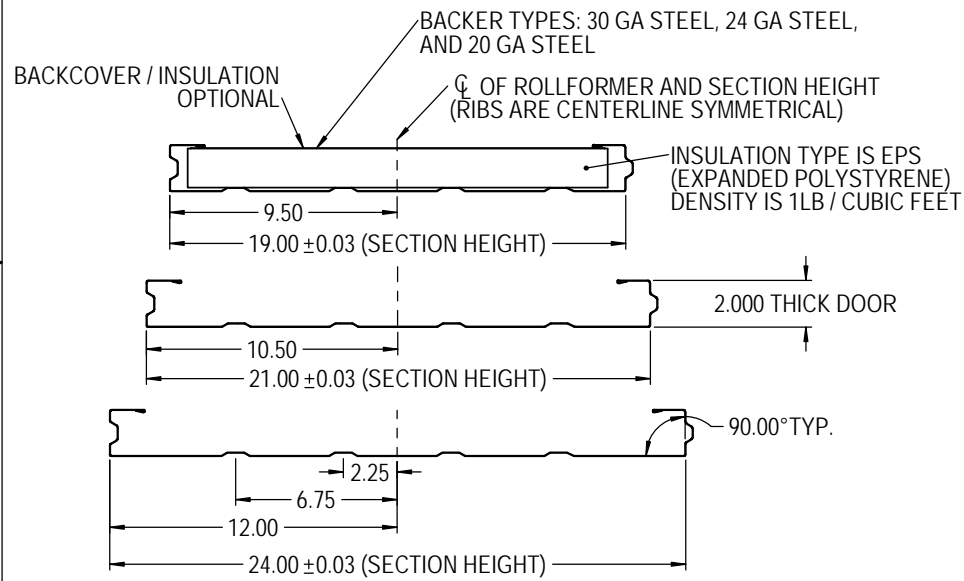
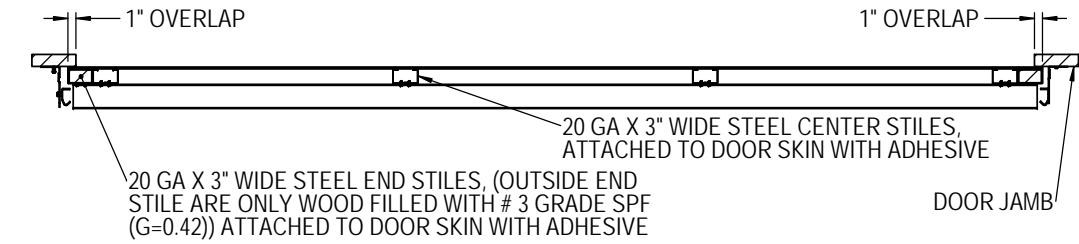


NOTES: (UNLESS OTHERWISE SPECIFIED)

1. RATED DESIGN LOAD +50/-56 PSF.
2. SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS, 24" 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 50,000 PSI MIN. YIELD STRENGTH.
6. JAMB LOAD CALCULATIONS:
 $(1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $(5.067)(1 \text{ FOOT})(50.00 \text{ AND } -56.00)(254.18/284.68) \text{ LB}$
7. JAMB FASTENER REQUIREMENTS:
 $F_x = (1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$
 $F_y = 254 \text{ LBS.}$
8. DOOR SKIN MATERIAL SHALL BE GALVANIZED ACCORDING TO ASTM A-525 TO G40 MIN, WITH BAKED-ON PRIMER, AND BAKED-ON POLYESTER PAINT TOP COAT.
9. FOR ANCHORING INTO WOOD, USE ONE 5/16" LAG SCREW PER TRACK CLIP WITH 1-1/2" EMBEDMENT INTO SOUTHERN PINE (G=0.55) OR BETTER.
10. APPROVED NON-INSULATED: 427 (24 GA), 421 (20 GA). APPROVED INSULATED: 429 (24 GA), 423 (20 GA).
11. WELD SLOT ON ANGLE 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 (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT ALL STILE LOCATIONS, TYP. +/- 3" FROM CENTER OF SECTION. STRUT ON BOTTOM SECTION, TO BE 6" FROM THE BOTTOM.
15. KEY LOCK, OR SLIDE LOCK REQUIRED.
16. EXHAUST PORTS- OPTIONAL UP TO 3 PER BOTTOM SECTION.
17. IMPACT RESISTANT GLAZING OPTION- IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED INTERMEDIATE SECTION ONLY. GLAZING SHALL BE 1/4" POLYCARBONATE. 13-3/4" X 20-1/8" MAXIMUM SIZE, FASTENED WITH # 8 X 1" SMS: 3X MAX ALONG THE HORIZONTAL AND 2X MAX ALONG THE VERTICAL. SEE DETAIL F-F ON SHEET 2 FOR ASSEMBLY DETAILS.
18. 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.

REVISIONS				
ER	REV	DESCRIPTION	DATE	APVL
ER 31715	P00	NEW DRAWING	7/16/18	ESC
-	P01	MODIFY NOTES ON SHEET 2	11/25/19	RCJ



DOOR WIDTH	NUMBER OF CENTER STILES
8'-2" - 10'-2"	2

THIRD ANGLE PROJECTION

OVERHEAD DOOR CORP
2501 S. STATE HWY 121
SUITE 200
LEWISVILLE, TEXAS 75067
469-549-7100

UNLESS OTHERWISE SPECIFIED

INTERPRET DIMS & TOLS PER ASME Y14.5M
ALL DIMS ARE IN INCHES
DO NOT SCALE
DIMS CIRCLED WITH SYMBOL 'O' 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: 411499

APPROVALS		DATE
DRAWN	E. CONRAD	4/4/18
CHECKED	D. KORNISH	-
APPROVED	-	-
MATERIAL	-	-
FINISH	-	-

The Genuine. The Original.

 LEWISVILLE, TEXAS

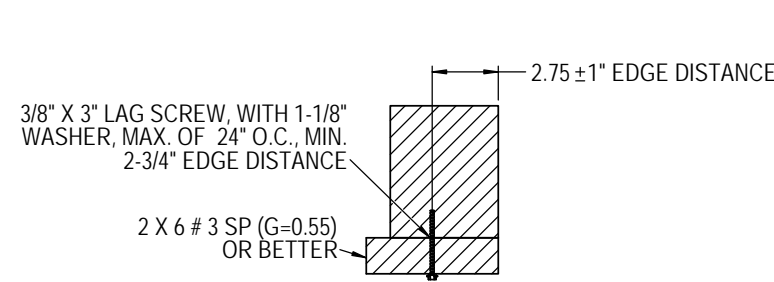
DESCRIPTION
 WINDLOAD COMMERCIAL SECTIONAL STEEL DOOR, 421/423/427/429, +50/-56PSF DADE COUNTY, 10'2" MAX WIDTH

SIZE	DWG NO.	REV
D	D-411499	P-01

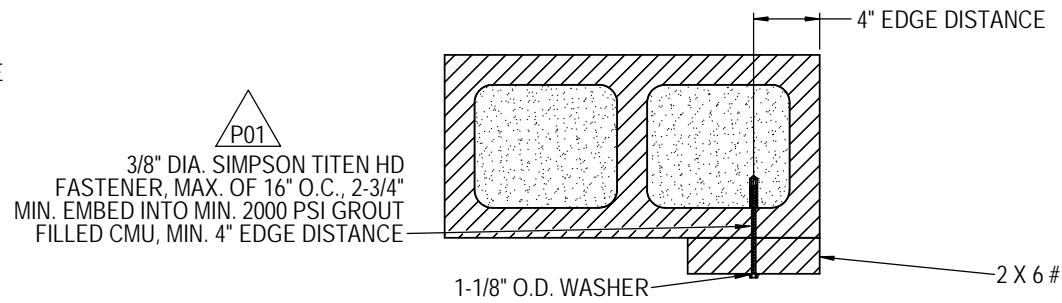
SCALE 1:12 UOM = EA SHEET 1 OF 4

JOHN E. SCATES, P.E.
 2560 KING ARTHUR BLVD
 LEWISVILLE, TX 75056
 FL PE 51737
 TX PE 56308 / F2203

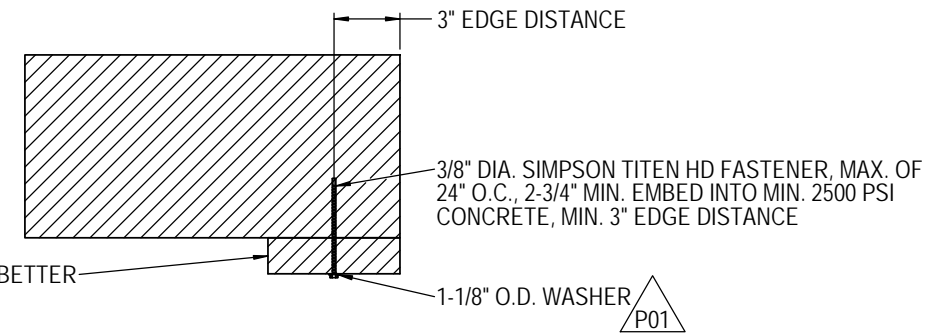
PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.



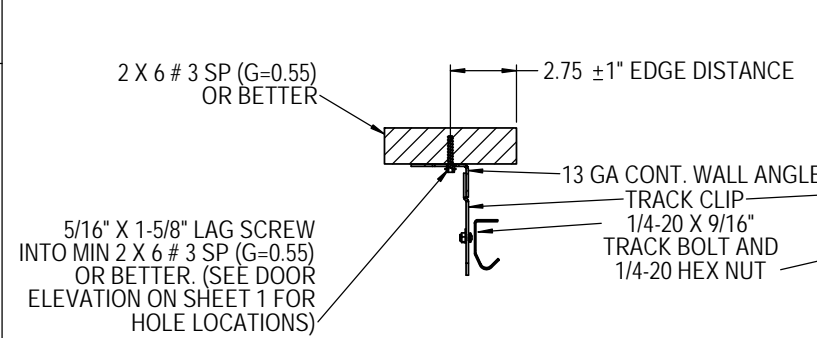
WOOD MOUNTED TO # 3 SOUTHERN PINE SUBSTRATE



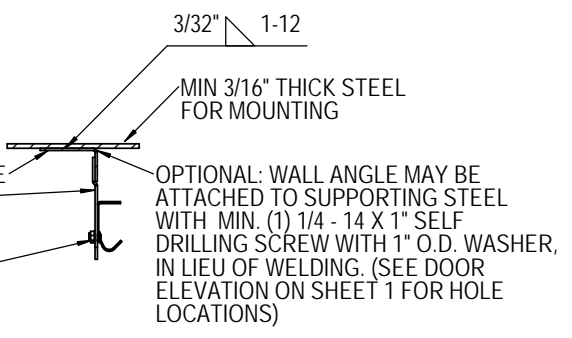
WOOD MOUNTED TO GROUT FILLED MASONRY BLOCK DETAIL



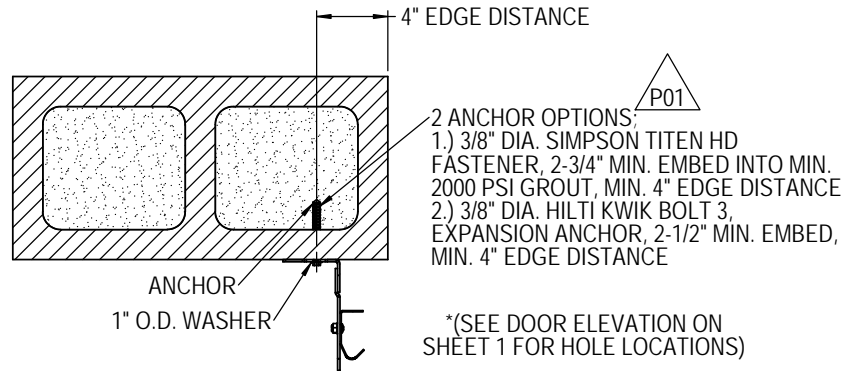
WOOD MOUNTED TO 2500 PSI CONCRETE DETAIL



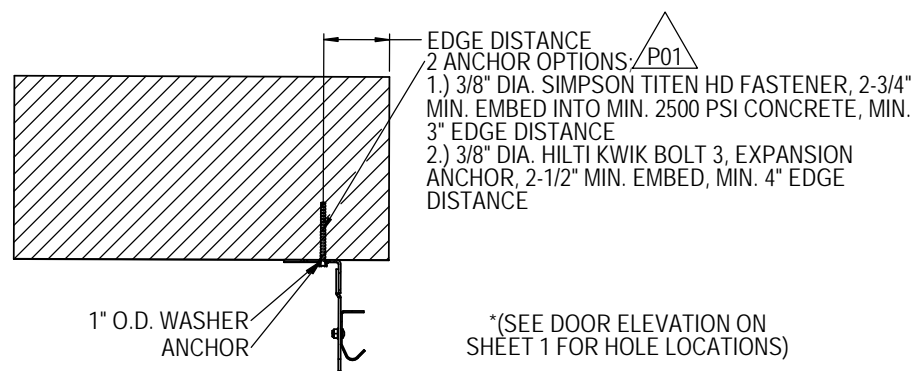
MOUNTING TO WOOD JAMB DETAIL



MOUNTING TO STEEL JAMB DETAIL



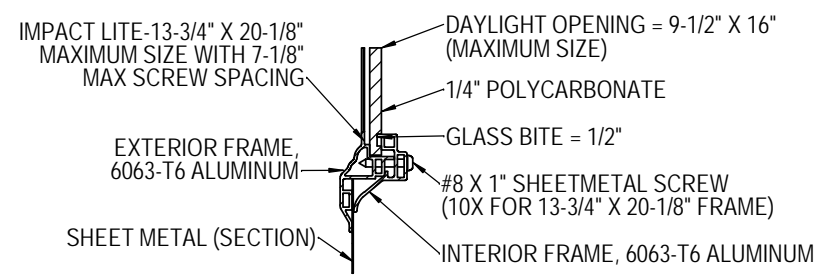
MOUNTING TO GROUT FILLED MASONRY BLOCK DETAIL



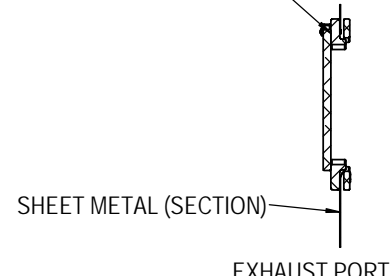
MOUNTING TO 2000 PSI CONCRETE DETAIL

SECTION E-E
SCALE 1 : 4

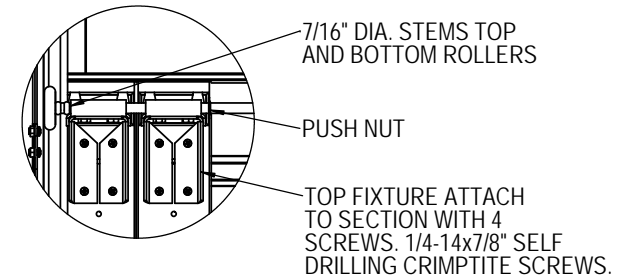
MIN. OF 5 FASTENERS FOR MAXIMUM SIZE OF 6" EXHAUST PORT. BOLT SIZE MIN 2-1/2" X 3/16" DIA. FOR INSULATED DOORS, AND MIN 3/4" X 3/16" DIA. FOR UNINSULATED DOORS.



WINDOW DETAIL
SECTION F-F
SCALE 1 : 2



EXHAUST PORT DETAIL
SECTION G-G
SCALE 1 : 4

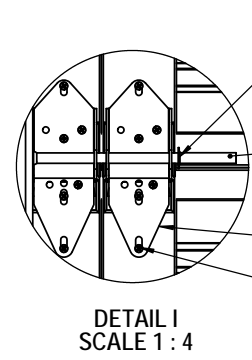


DETAIL H
SCALE 1 : 4

JOHN E. SCATES, P.E.
2560 KING ARTHUR BLVD
LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308 / F2203

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	UNLESS OTHERWISE SPECIFIED		APPROVALS	DATE	LEWISVILLE, TEXAS
	INTERPRET DIMS & TOLS PER ASME Y14.5M ALL DIMS ARE IN INCHES DO NOT SCALE DIMS CIRCLED WITH SYMBOL 'O' ARE CRITICAL TO QUALITY DESIGN FEATURES & MUST MEET APPLICABLE IN-PROCESS INSPECTION STANDARDS.	TOLERANCES: X = ± .1 XX = ± .03 XXX = ± .010 ANGULAR = ± .5° HOLES: $\varnothing.251 = +.004/-0.003$ $\varnothing.251-\varnothing.500 = +.006/-0.003$ $>\varnothing.500 = +.008/-0.003$	DRAWN E. CONRAD CHECKED D. KORNISH APPROVED - MATERIAL - FINISH -	4/4/18 - - -	
OVERHEAD DOOR CORP 2501 S. STATE HWY 121 SUITE 200 LEWISVILLE, TEXAS 75067 469-549-7100	ALL GEOMETRY GOVERNED BY 3D CAD DATABASE: 411499		SIZE DWG NO. D D-411499	REV P-01	SCALE 1:12 UOM = EA SHEET 2 OF 4

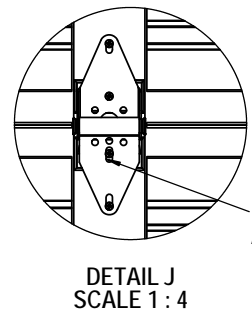


PUSH NUT REQUIRED ONLY ON 2" ROLLERS WITH 7/16" DIA. PUSH NUT AT EACH ROLLER LOCATION. 1/4" MAX BETWEEN PUSH NUT AND BRACKET OR HINGE.

2" ROLLER WITH 7/16" DIA. 1144 WL OR 3" STEEL ROLLER WITH 5/8" DIA. (PUSH NUT NOT REQUIRED ON 5/8" DIA.)

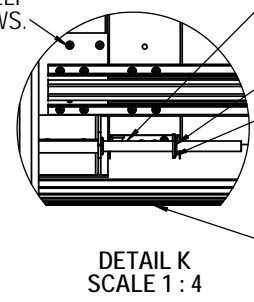
12 GA WIDE BODY END HINGES

ATTACHED WITH (6) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (2) OF WHICH ARE IN-BOARD



14 GA WIDE BODY CENTER HINGE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS

BOTTOM FIXTURE ATTACHED TO SECTION WITH 4 SCREWS. 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS.

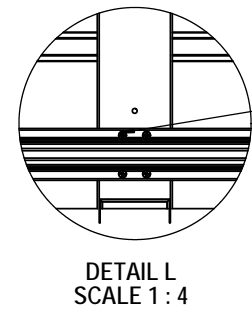


7/16" DIA. STEMS TOP AND BOTTOM ROLLERS

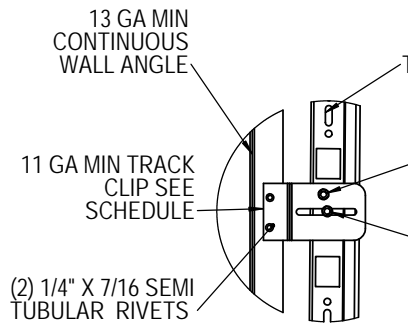
PUSH NUT

ROLLER HOLDER REQUIRED ON DOUBLE END STILES ONLY ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS

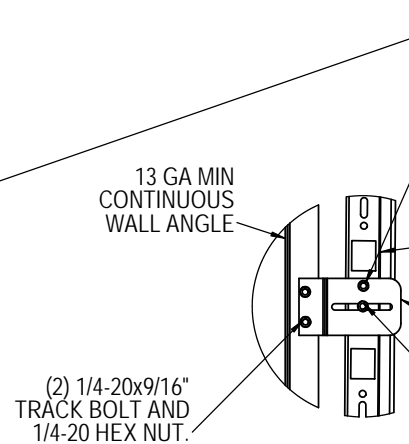
WEATHERSEAL (ASTRAGAL)



(4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT STILE LOCATION FOR EACH STRUT



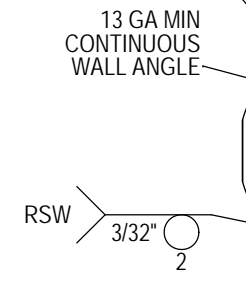
TYPICAL TRACK CLIP RIVETING DETAIL



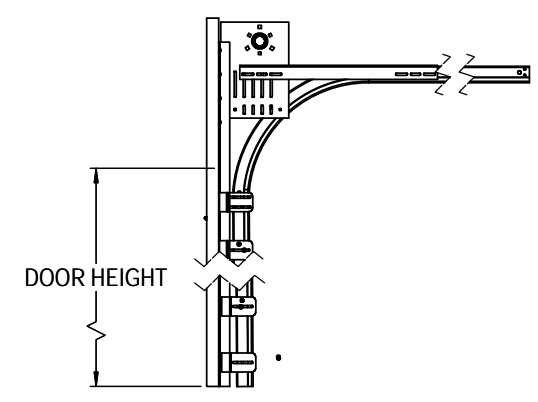
TYPICAL TRACK CLIP BOLTING DETAIL

DETAIL M SCALE 1:4

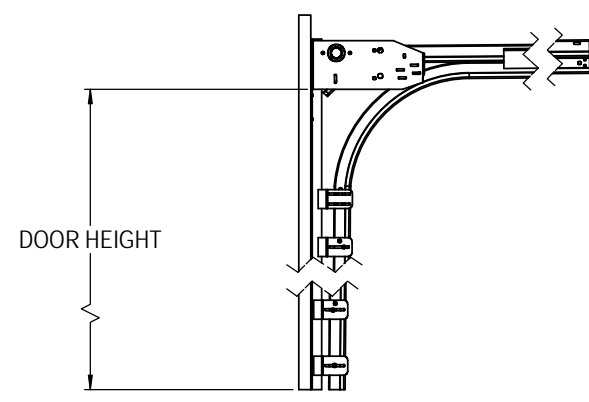
1/4" HOLE IS REQUIRED TO BE DRILLED THROUGH BOTH THE TRACK AND THE TRACK CLIP AT EACH TRACK CLIP LOCATION IN ORDER TO INSTALL SECOND 1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT.



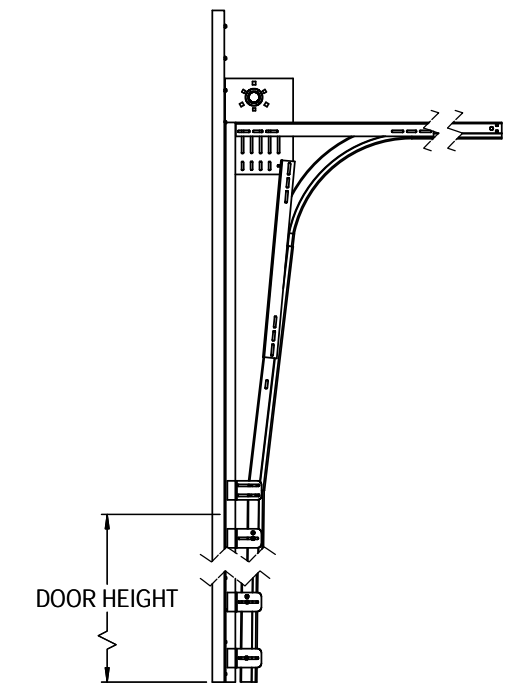
TYPICAL TRACK CLIP WELDING DETAIL



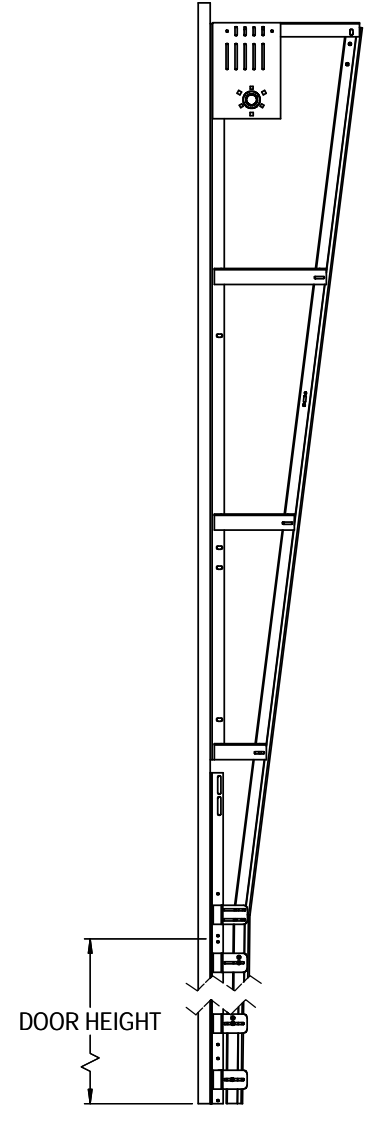
STANDARD LIFT TRACK DETAIL (OPTIONAL)



LOW HEADROOM TRACK DETAIL (OPTIONAL)



HIGH LIFT TRACK DETAIL (OPTIONAL)



VERTICAL LIFT TRACK DETAIL (OPTIONAL)

TRACK DETAIL SCALE 1:12

JOHN E. SCATES, P.E.
2560 KING ARTHUR BLVD
LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308 / F2203

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THIRD ANGLE PROJECTION

OVERHEAD DOOR CORP
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469-549-7100

UNLESS OTHERWISE SPECIFIED

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ALL GEOMETRY GOVERNED BY 3D CAD DATABASE: 411499

APPROVALS		DATE
DRAWN	E. CONRAD	4/4/18
CHECKED	D. KORNISH	-
APPROVED	-	-
MATERIAL	-	-
FINISH	-	-

The Genuine. The Original.

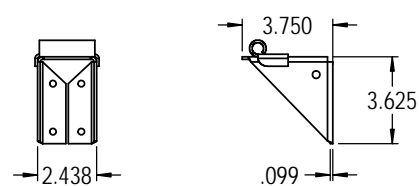
LEWISVILLE, TEXAS

DESCRIPTION
WINDLOAD COMMERCIAL SECTIONAL STEEL DOOR, 421/423/427/429, +50/-56PSF DADE COUNTY, 10'2" MAX WIDTH

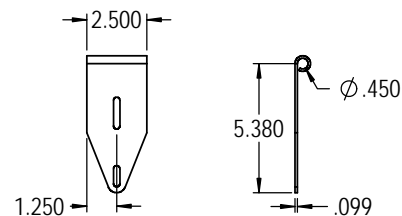
SIZE	DWG NO.	REV
D	D-411499	P-01

SCALE 1:12 UOM = EA SHEET 3 OF 4

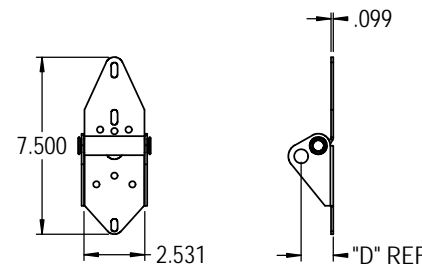
NOTES: (UNLESS OTHERWISE SPECIFIED)
 1.FOR DIMENSION AND NOTE REFERENCES, REFER TO INDIVIDUAL DRAWINGS.



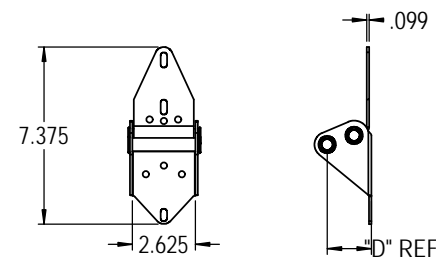
P/N 066590-0000, TOP FIXTURE
 STANDARD
 (ATTACH WITH (4) 1/4"-14 X 7/8"
 SELF DRILLING CRIMPTITE
 SCREWS)



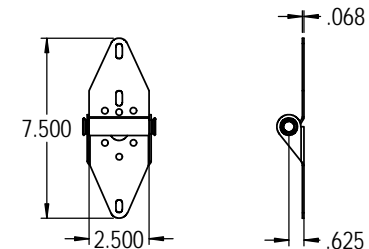
P/N 061371-0001 FIXTURE, TOP, 7/4
 (ATTACH WITH (4) 1/4"-14 X 7/8"
 SELF DRILLING CRIMPTITE
 SCREWS)



P/N 400643-XXXX, END HINGE
 STANDARD
 (ATTACH WITH (6) 1/4"-14 X 7/8"
 SELF DRILLING CRIMPTITE
 SCREWS (2) OF WHICH IS IN-BOARD
 HOLES)



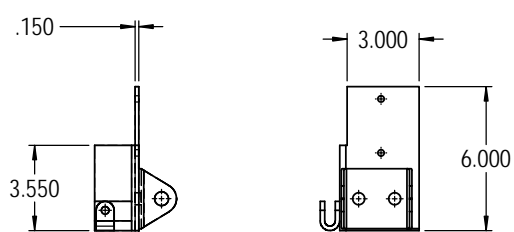
P/N 404043-XXXX, END HINGE
 HEAVY DUTY 5/8" STEM
 (ATTACH WITH (6) 1/4"-14 X 7/8" SELF
 DRILLING CRIMPTITE SCREWS (2) OF
 WHICH IS IN-BOARD HOLES)



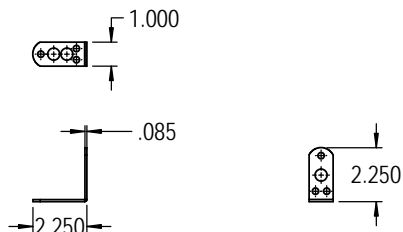
P/N 400735-XXXX, CENTER HINGE
 STANDARD
 (ATTACH WITH (4) 1/4"-14 X 7/8" SELF
 DRILLING CRIMPTITE SCREWS)

TOP FIXTURE DETAILS

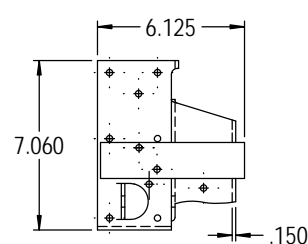
HINGE DETAILS



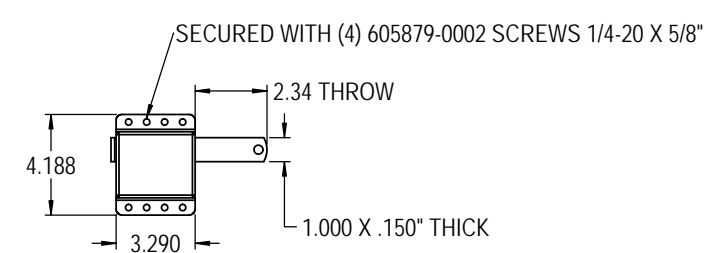
P/N 401124-XXXX, BOTTOM FIXTURE
 (ATTACH WITH (4) 1/4"-14 X 7/8" SELF
 DRILLING CRIMPTITE SCREWS)



P/N 405742-0001, BRACKET ROLLER SHAFT
 (BRACKET ATTACHED)
 (ATTACH WITH (2) 1/4"-14 X 7/8" SELF
 DRILLING CRIMPTITE SCREWS)



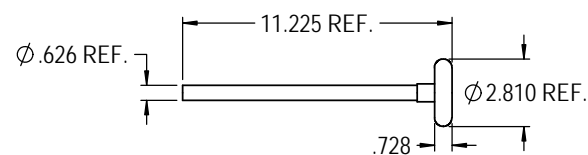
P/N 061537-XXXX, BOTTOM FIXTURE
 (ATTACH WITH (4) 1/4"-14 X 7/8" SELF
 DRILLING CRIMPTITE SCREWS)



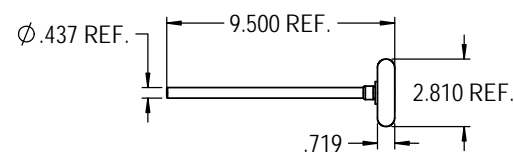
P/N 333871, SIDE LOCK ASSY

BOTTOM FIXTURE DETAILS

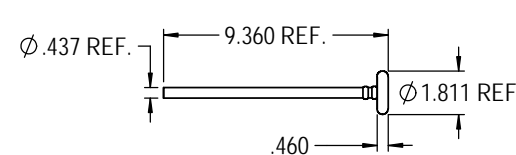
LOCK DETAILS



P/N 404046-0002, ROLLER ASSY.
 3" TR-7 5/8" STEM

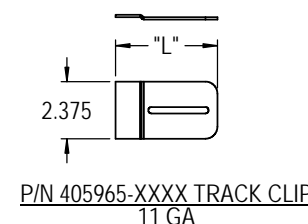


P/N 61337-0006, ROLLER ASSY.
 3" TR-7 7/16" STEM

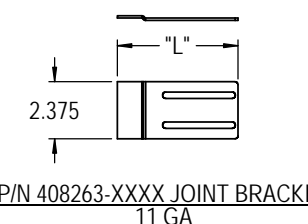


P/N 318700, ROLLER ASSY.
 2" WL 1144

ROLLER STEM ASSY DETAILS

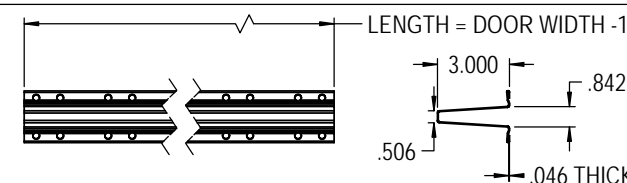


P/N 405965-XXXX TRACK CLIP
 11 GA



P/N 408263-XXXX JOINT BRACKET
 11 GA

BRACKET DETAILS

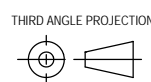


P/N 3347262- STRUT, 3, OPEN WL (UBAR)
 80 KSI MIN. YIELD STRENGTH, 3" X 18 GA

STRUT DETAILS

JOHN E. SCATES, P.E.
 2560 KING ARTHUR BLVD
 LEWISVILLE, TX 75056
 FL PE 51737
 TX PE 56308 / F2203

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OVERHEAD DOOR CORP
 2501 S. STATE HWY 121
 SUITE 200
 LEWISVILLE, TEXAS 75067
 469-549-7100

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

TOLERANCES:
 X = ±
 XX = ±
 XXX = ±
 ANGULAR = ± °
 HOLES:
 < Ø.251 = +/-
 Ø.251-Ø.500 = +/-
 > Ø.500 = +/-

APPROVALS DATE
 DRAWN E. CONRAD 4/4/18
 CHECKED D. KORNISH
 APPROVED
 MATERIAL
 FINISH

The Genuine. The Original.
 OVERHEAD DOOR LEWISVILLE, TEXAS
 DESCRIPTION
 WINDLOAD COMMERCIAL SECTIONAL
 STEEL DOOR, 421/423/427/429, +50/-56PSF
 DADE COUNTY, 10'2" MAX WIDTH
 SIZE DWG NO.
 D D-411499
 REV
 P-01
 SCALE 1:12 UOM =EA SHEET 4 OF 4