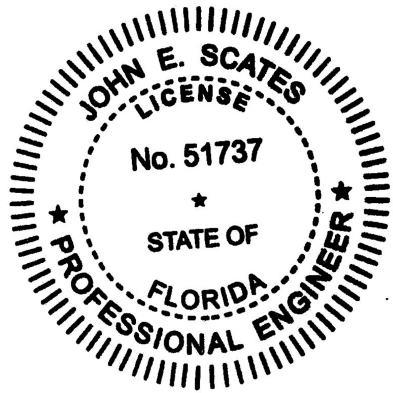


1. RATED DESIGN LOAD +50/-56 PSF.
2. SECTION HEIGHTS MAY VARY TO CREATE VARIOUS DOOR HEIGHTS, 24" MAXIMUM SECTION HEIGHT.
3. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.
4. TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201-94, TAS 202-94, & TAS 203-94.
5. DOOR SKIN MUST BE 50,000 PSI MIN. YIELD STRENGTH.
6. JAMB LOAD CALCULATIONS:
$$\frac{(1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})}{(7.067)(1 \text{ FOOT})(50.00 \text{ AND } -56.00)(353.4/-395.8) \text{ LB.}}$$
7. JAMB FASTENER REQUIREMENTS:
$$F_x = (1/2 \text{ DOOR WIDTH})(1 \text{ FT OF HEIGHT})(\text{DESIGN PRESSURE})$$
$$F_x = 354 \text{ LBS.}$$



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

SECTION C-C
SCALE 1 : 4

Digitally signed by John E. Scates, P.E.
Date: 2020.09.03 21:01:08 -05'00'

Diagram illustrating the dimensions and material specifications for the track angle bracket:

- ANGLE
- TRACK
- 2" TRACK - 13 GA
- 3" TRACK - 12 GA

SECTION D-D
SCALE 1 : 4

DOOR WIDTH	NUMBER OF CENTER STILES
10'-3" - 12'-2"	4
12'-3" - 14'-2"	5

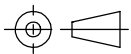
VERTICAL TRACK
TRACK -13 GA MIN
TRACK -12 GA MIN-

Diagram illustrating the components of a shoe sole cross-section:

- RETAINER
- WEATHERSEAL (ASTRAGAL)

3" STRUT BOTTOM SECTION ONLY
3" X 18 GA—
BOTTOM FIXTURE—
13 GA CONT. WALL ANGLE—

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

TOL FRANCES.

.X	= ± .1
.XX	= ± .03
.XXX	= ± .010
ANGULAR	= ± .5°

HOLES:
 $< \varnothing.251 = +.004/-.003$
 $\varnothing.251\text{--}\varnothing.500 = +.006/-.003$
 $> \varnothing.500 = +.008/-.003$

ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:
411500

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

APPROVED	
----------	--

APPROVED	
MATERIAL	

TABLE 1

100

FINIOLI	
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FINISH	-
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100

2D CAD DATABASE:

SD CARD DATABASE.
411500

The Genuine. The Original.



LEWISVILLE, TEXAS

DESCRIPTION	WINDLOAD COMMERCIAL SECTIONAL STEEL DOOR, 421/423/427/429, +50/-56PSF DADE COUNTY, 14'2" MAX WIDTH
-------------	--

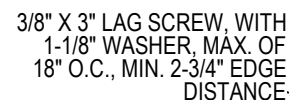
SIZE	DWG NO.
D	D-4

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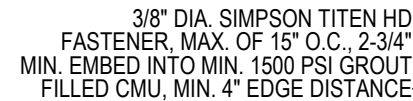
SCALE 1:12

1500	REV P-00
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OM = EA | SHEET 1 OF 4



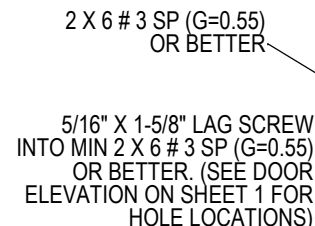
WOOD MOUNTED TO # 3 SOUTHERN PINE SUBSTRATE



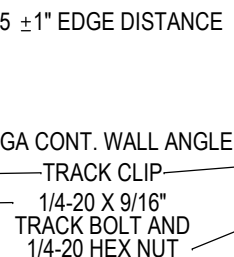
WOOD MOUNTED TO GROUT FILLED MASONRY
BLOCK DETAIL



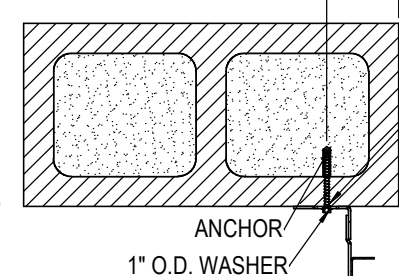
WOOD MOUNTED TO 2000 PSI
CONCRETE DETAIL



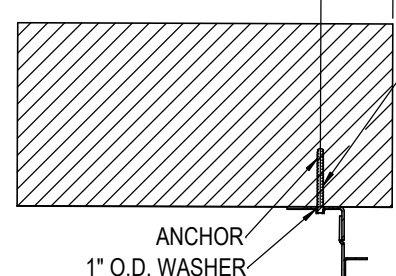
MOUNTING TO WOOD JAMB DETAIL



MOUNTING TO STEEL JAMB DETAIL



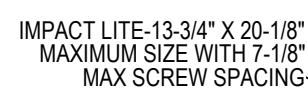
MOUNTING TO GROUT FILLED MASONRY BLOCK DETAIL



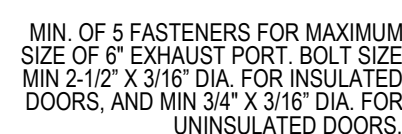
MOUNTING TO 2000 PSI
CONCRETE DETAIL

*(SEE DOOR ELEVATION ON
SHEET 1 FOR HOLE LOCATIONS)

SECTION E-E
SCALE 1 : 4

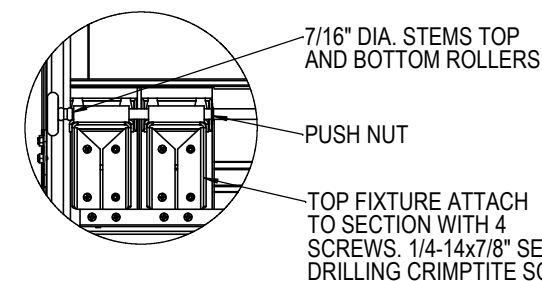


WINDOW DETAIL
SECTION F-F
SCALE 1 : 2

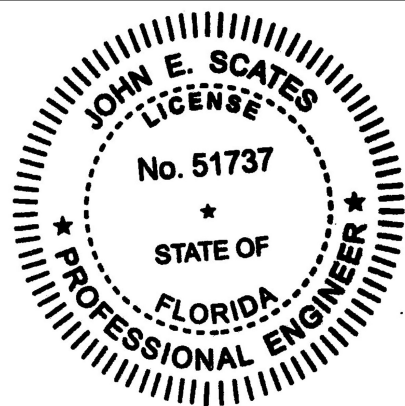


EXHAUST PORT
DETAIL

SECTION G-G
SCALE 1 : 4

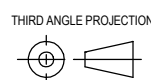


DETAIL H
SCALE 1 : 4



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LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308 / F2203

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



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

TOLERANCES:
X = ± .1
XX = ± .03
XXX = ± .010
ANGULAR = ± .5 °

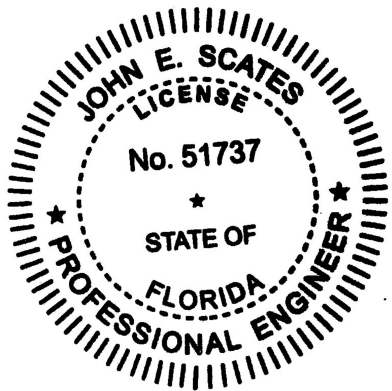
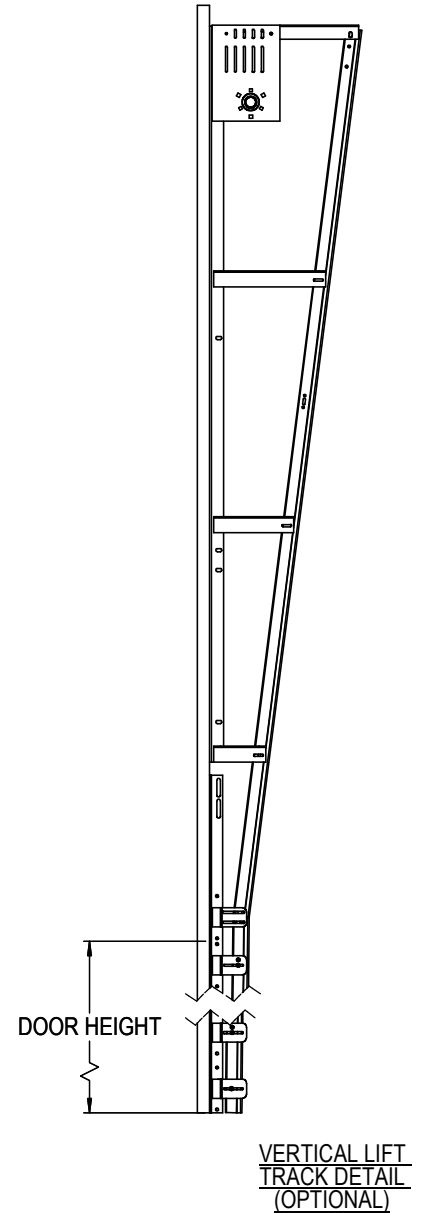
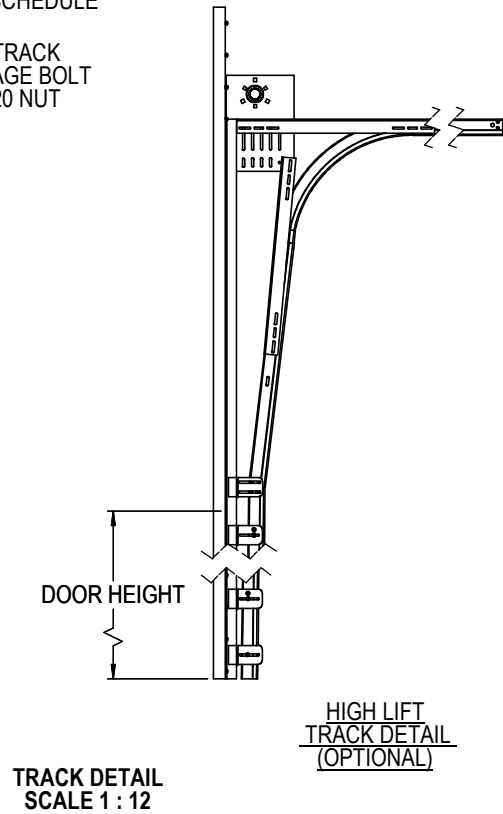
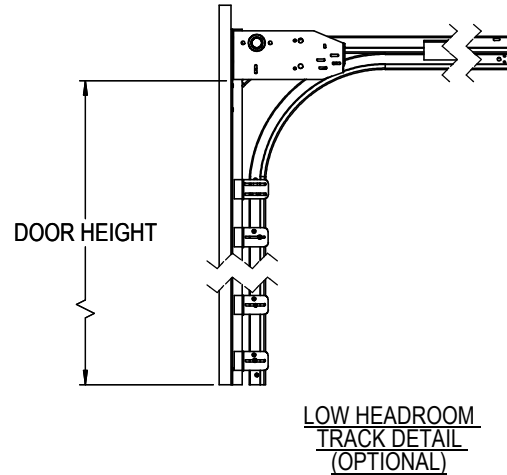
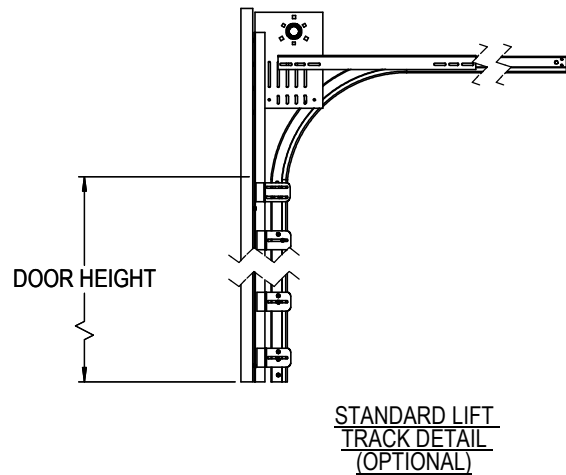
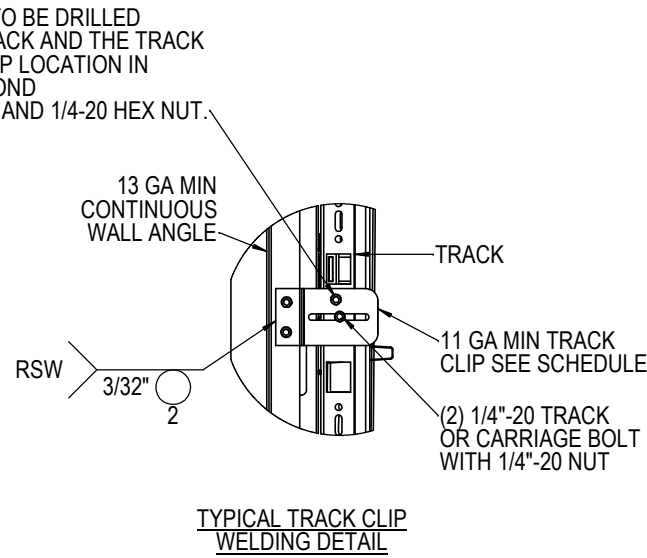
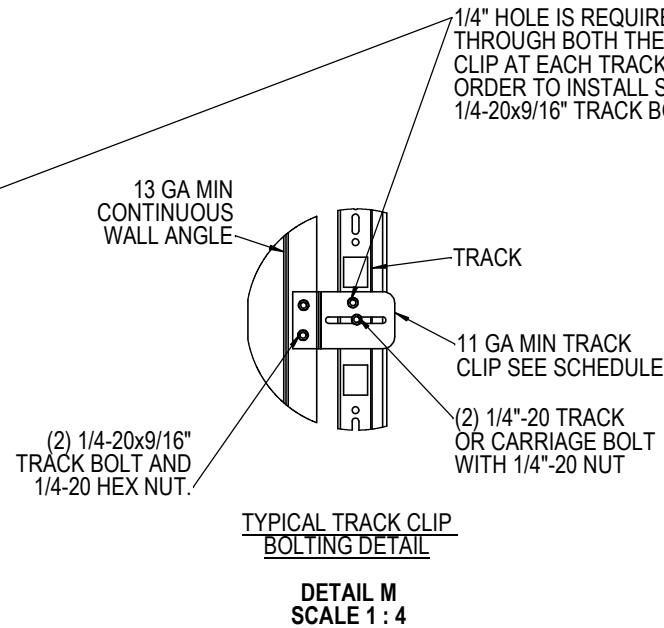
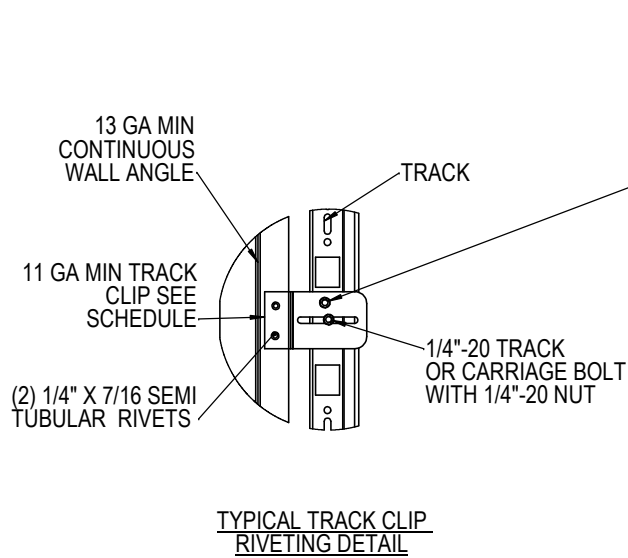
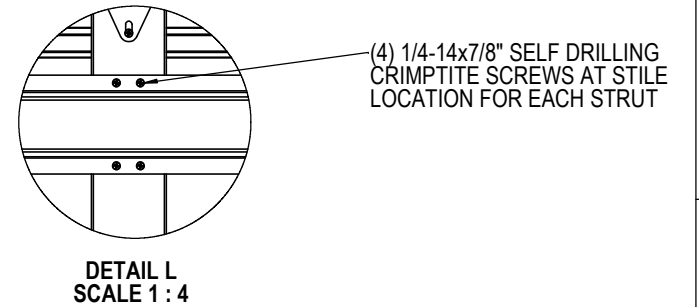
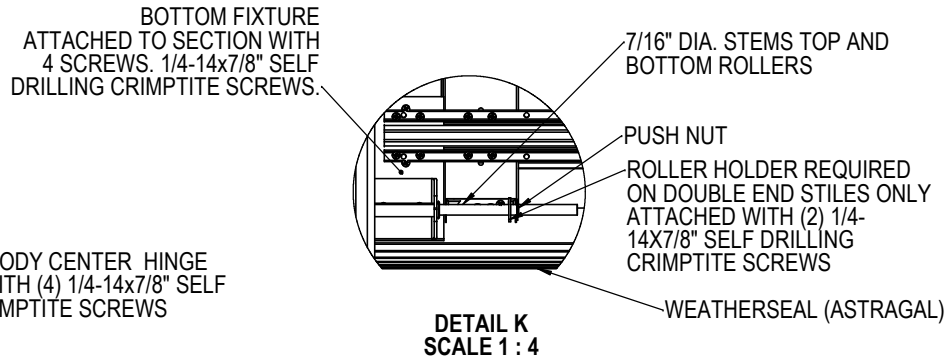
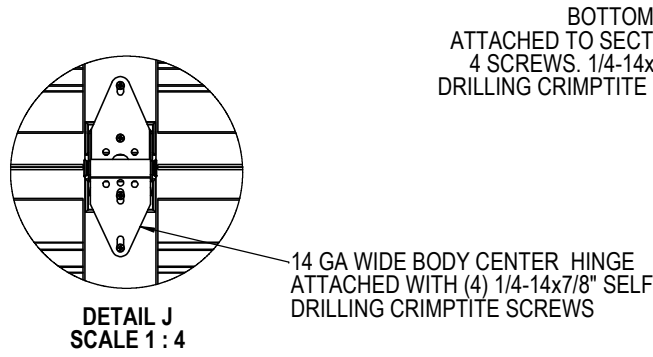
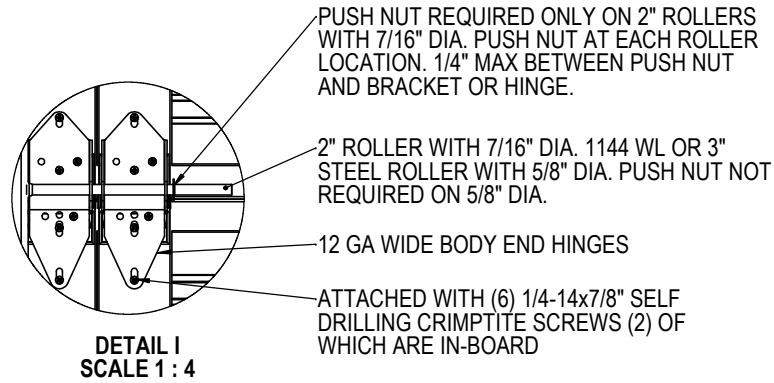
HOLES:
< Ø.251 = +.004/- .003
Ø.251-Ø.500 = +.006/- .003
> Ø.500 = +.008/- .003

ALL GEOMETRY GOVERNED

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

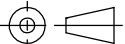
Y 3D CAD DATABASE:
411500

The Genuine, The Original. 		LEWISVILLE, TEXAS	
DESCRIPTION WINDLOAD COMMERCIAL SECTIONAL STEEL DOOR, 421/423/427/429, +50/-56PSF DADE COUNTY, 14'2" MAX WIDTH			
SIZE D	DWG NO. D-411500		REV P-00
SCALE 1:12	UOM = EA	SHEET 2 OF 4	

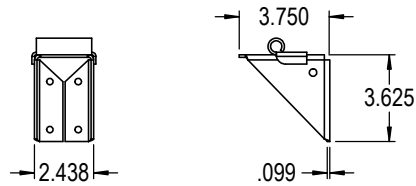


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2560 KING ARTHUR BLVD
LEWISVILLE, TX 75056
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TX PE 56308 / F2203

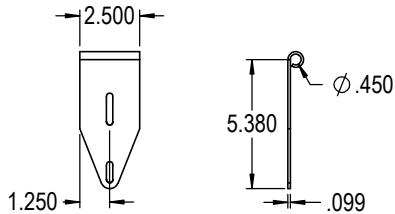
PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

THIRD ANGLE PROJECTION 	UNLESS OTHERWISE SPECIFIED			APPROVALS		DATE		The Genuine. The Original.  LEWISVILLE, TEXAS			
	INTERPRET DIMS & TOLS PER ASME Y14.5M ALL DIMS ARE IN INCHES DO NOT SCALE	TOLERANCES:		DRAWN	E. CONRAD	4/4/18		DESCRIPTION WINDLOAD COMMERCIAL SECTIONAL STEEL DOOR, 421/423/427/429, +50/-56PSF DADE COUNTY, 14'2" MAX WIDTH			
				CHECKED	D. KORNISH	-					
					APPROVED	-	-				
OVERHEAD DOOR CORP 2501 S. STATE HWY 121 SUITE 200 LEWISVILLE, TEXAS 75067 469-549-7100	DIMS CIRCLED WITH SYMBOL '  ' ARE CRITICAL TO QUALITY DESIGN FEATURES & MUST MEET APPLICABLE IN-PROCESS INSPECTION STANDARDS.	ANGULAR = ± .5 °		MATERIAL	-			SIZE DWG NO. D-411500			
		HOLES:		FINISH	-						
				< Ø.251 = +.004/- .003 Ø.251-Ø.500 = +.006/- .003 > Ø.500 = +.008/- .003			-			REV P-00	
ALL GEOMETRY GOVERNED BY 3D CAD DATABASE: 411500								SCALE 1:12		UOM = EA	SHEET 3 OF 4

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

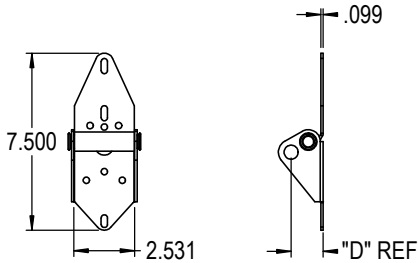


P/N 066590-0000, TOP FIXTURE
STANDARD
(ATTACH WITH (4) 1/4"-14 X 7/8"
SELF DRILLING CRIMPTITE
SCREWS)

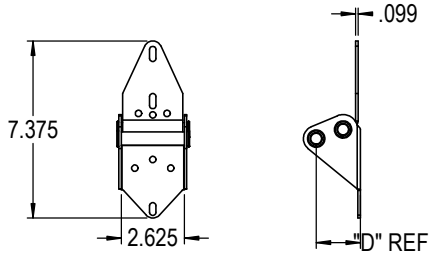


P/N 061371-0001 FIXTURE, TOP, 7/4
(ATTACH WITH (4) 1/4"-14 X 7/8"
SELF DRILLING CRIMPTITE
SCREWS)

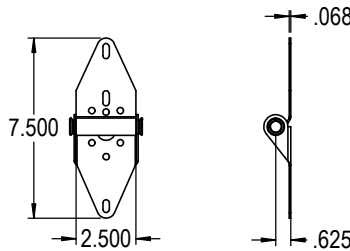
TOP FIXTURE DETAILS



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)

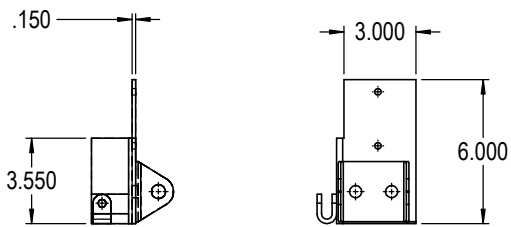


P/N 404043-XXXX, END HINGE
HEAVY DUTY 5/8" STEM
(ATTACH WITH (6) 1/4"-14 X 7/8" SELF
DRILLING CRIMPTITE SCREWS (2) OF
WHICH IS IN-BOARD HOLES)

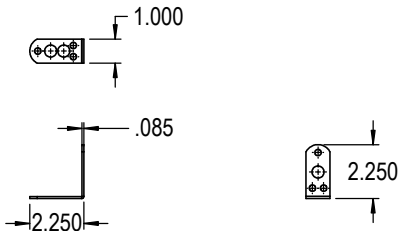


P/N 400735-XXXX, CENTER HINGE
STANDARD
(ATTACH WITH (4) 1/4"-14 X 7/8" SELF
DRILLING CRIMPTITE SCREWS)

HINGE DETAILS

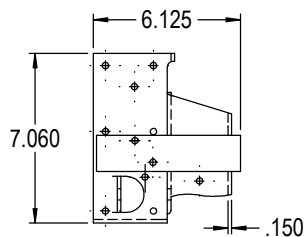


P/N 401124-XXXX, BOTTOM FIXTURE
(ATTACH WITH (4) 1/4"-14 X 7/8" SELF
DRILLING CRIMPTITE SCREWS)

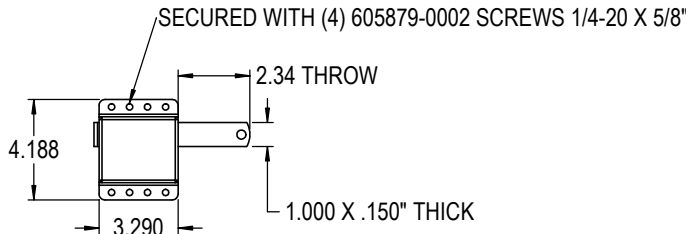


P/N 405742-0001, BRACKET ROLLER SHAFT
(BRACKET ATTACHED)
(ATTACH WITH (2) 1/4"-14 X 7/8" SELF
DRILLING CRIMPTITE SCREWS)

BOTTOM FIXTURE DETAILS

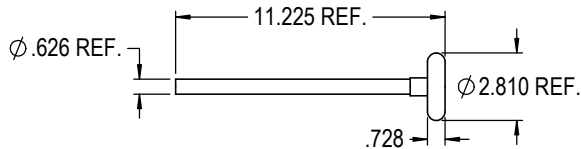


P/N 061537-XXXX, BOTTOM FIXTURE
(ATTACH WITH (4) 1/4"-14 X 7/8" SELF
DRILLING CRIMPTITE SCREWS)

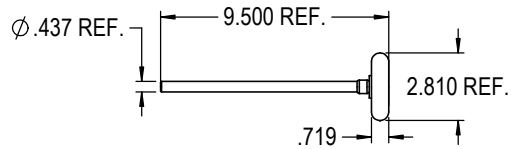


P/N 333871, SIDE LOCK ASSY

LOCK DETAILS

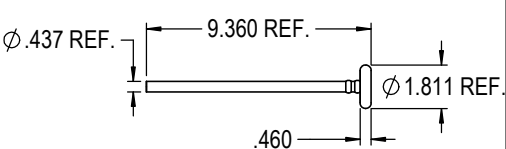


P/N 404046-0002, ROLLER ASSY.
3" TR-7 5/8" STEM

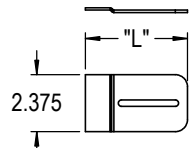


P/N 61337-0006, ROLLER ASSY.
3" TR-7 7/16" STEM

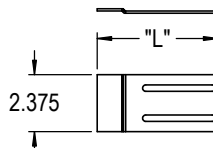
ROLLER STEM ASSY DETAILS



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

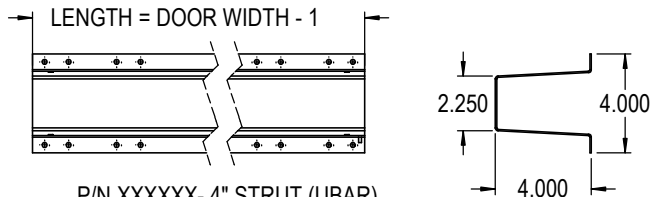


P/N 405965-XXXX TRACK CLIP
11 GA

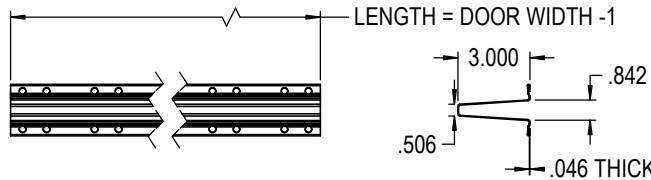


P/N 408263-XXXX JOINT BRACKET
11 GA

BRACKET DETAILS



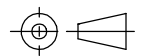
P/N XXXXXX- 4" STRUT (UBAR)
80 KSI MIN. YIELD STRENGTH, 4" X 16 GA



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

STRUT DETAILS

THIRD ANGLE PROJECTION



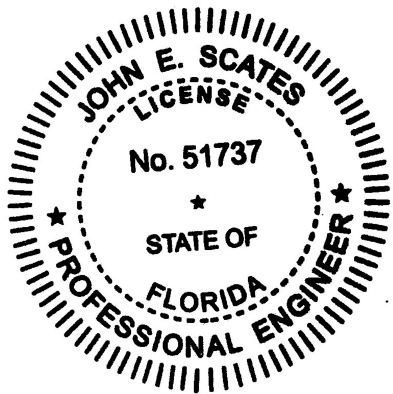
OVERHEAD DOOR CORP
2501 S. STATE HWY 121
SUITE 200
LEWISVILLE, TEXAS 75067
469-549-7100

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IN-PROCESS INSPECTION STANDARDS.

TOLERANCES:
X = ±
XX = ±
XXX = ±
ANGULAR = ± °
HOLES:
< Ø .251 = +/-
Ø .251-Ø .500 = +/-
> Ø .500 = +/-
ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:
411500

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, 14'2" MAX WIDTH
SIZE DWG NO.
D D-411500
REV
P-00
SCALE 1:12 UOM =EA SHEET 4 OF 4



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

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