

NOTES:

1. OB 2025 SHOWN, OBI 2025, OB 2024, OBI 2024, OB 2025-Inlay, OBI 2025 Inlay, ANY STAMP TYPE ALLOWED.
2. STRUTS ATTACHED WITH 2 SELF DRILLING SCREWS
1/4"-20 X 3/4" AT EACH STILE LOCATION
3. 4 SECTION HIGH DOOR SHOWN (7FT) ,TALLER DOOR CONFIGURATIONS MAY BE CONSTRUCTED UP TO A MAXIMUM OF 14FT HIGH, USING SAME PANEL CONSTRUCTION AS SHOWN (MAXIMUM SECTION HEIGHT OF 21").
4. MINIMUM STEEL THICKNESS FOR SECTION IS 25 GA. (.0185").
5. SECTIONS EMBOSSED 14.00"x20.375" ,16" X20.375", 14"x41", 16"x40" OR SECTIONS WITHOUT EMBOSSEMENT MAY ALSO BE USED.
(LOCATION AND QUANTITY OF CENTER STILES MUST BE THE SAME).
6. TORSION SPRINGS OR EXTENSION SPRINGS AVAILABLE.
7. LOCK MUST BE ATTACHED AT EACH SIDE OF THE DOOR.
CAM & BAR LOCKS OR AN OPENER MAY BE SUBSTITUTED.
8. WOOD MOUNT SHOWN, STEEL AND MASONRY ANGLE AND REVERSE ANGLE MOUNT AVAILABLE. NUMBER OF JAMB BRACKET ANCHOR LOCATIONS MUST BE THE SAME.
9. JAMB DETAIL IN ACCORDANCE WITH DWG. # RCWL-0001
10. STRUT PLACEMENT SHOWN IS TYPICAL (TOP STRUTS ARE OVER THE HINGES AS SHOWN USING THE HOLES PROVIDED IN THE HINGE, BOTTOM STRUTS ARE JUST ABOVE THE TOP OF THE HINGES). SEE DETAIL E
11. THIS DOOR HAS NOT BEEN TESTED FOR WIND-BORNE DEBRIS.
12. USE THIS DRAWING IN CONJUNCTION WITH INSTALLATION INSTRUCTIONS.
WHERE THE DRAWING CONFLICTS WITH OTHER INSTALLATION INSTRUCTIONS, THIS DRAWING GOVERNS.

Strut Requirements

# sections	# Struts
	3"
4	8
5	10
6	12
7	14
8	16

Approved Pressures

DOOR WIDTH	DESIGN PRESSURE	MIN # INT	CENTER STILES GLAZED
12'-00"	+ 35.2 PSF / -39.2 PSF	3	2
14'-00"	+ 30.1 PSF / -33.6 PSF	4	3
16'-00"	+ 26.4 PSF / -29.4 PSF	5	3
17'-00"	+ 23.3 PSF / -26.0 PSF	7	3
18'-00"	+ 20.8 PSF / -23.2 PSF	7	3
20'-00"	+ 16.8 PSF / -18.8 PSF	9	4

BOTTOM JAMB BRACKETS LOCATED 4" OFF THE FLOOR. ADDITIONAL JAMB BRACKETS LOCATED AT EACH END HINGE. PLACEMENT CAN VARY +/- 3" MAX. JAMB BRACKETS ATTACHED WITH ONE (5/16 X 1-1/2 MIN) LAG BOLT.

FLAG BRACKET (TYP)

ATTACHED WITH 5/16"x1-5/8" LAG BOLT.

SEE DETAIL "F"

(1/8" DSB Long or Short Panel Optional)
Maximum Frame Size is 43-3/4"x16"

SEE DETAIL "E"

1/4" TRACK BOLT & NUT
#80932 & #80930

5/16"x1 5/8" LAG SCREW
#80906 TYP.

DETAIL D

SEE DETAIL "D"

ROLLER

PUSH NUT (typ)

SCREW LOCATIONS TYP. 3/16" to 3/8"

DETAIL E

SCREW LOCATIONS TYP.

ROLLER

DETAIL F

TOP BRACKET

(7ft)

(16ft Max)

STRUT
3"20ga.

STRUT
3"20ga.

STRUT
3"20ga.

STRUT
3"20ga.

STRUT
3"20ga.

STRUT
3"20ga.

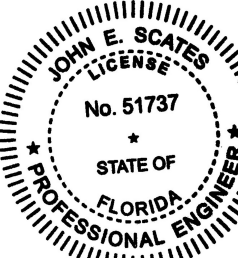
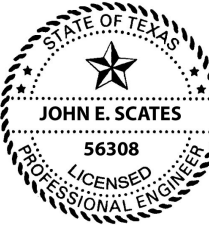
END HINGE

STRUT
3"20ga.

STRUT
3"20ga.

weather seal

SECTION "B-B"



Digitally signed by John E Scates
Date: 2026.10.14 12:30:05 -05'00'

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

JOHN E. SCATES, P.E.
PO Box 5175
Frisco, TX 75035
FL P.E. # 51737
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NOTES: THIS DRAWING AND / OR TECHNICAL INFORMATION ON THIS SHEET IS THE PROPERTY OF MID-AMERICA DOOR COMPANY AND IS LOANED IN CONFIDENCE FOR ENGINEERING AND MUTUAL ASSISTANCE PURPOSES ONLY, AND MAY NOT BE REPRODUCED OR USED TO MANUFACTURE ANYTHING DISCLOSED HEREON WITHOUT THE EXPRESSED PERMISSION OF MID-AMERICA DOOR COMPANY.

Rev.	By	Date	Description	Rev.	By	Date	Description
0	BR	3/16/18	NEW DRAWING	8			
1	BR	3/16/18	updated for fbc	9			
2	TL	8/9/28	FLORIDA AFFIRMATION	10			
3				11			
4				12			
5				13			
6				14			
7				15			

SCALE	N.T.S.	DATE
DRAWN BY	BJR	03-16-18
INITIAL CHK. T.L.		03-16-18
FINAL CHK.		"
ENGR.		"
APPR. BY		"
C2229-7		



Mid-America Door Company

PONCA CITY, OK

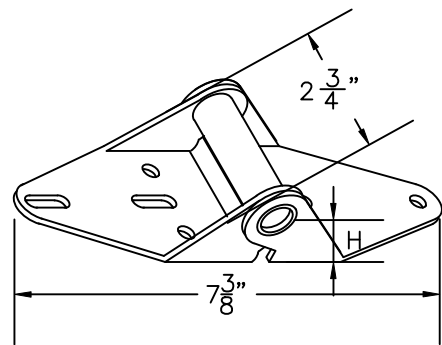
OB 2025 / 2024 WINDLOAD SERIES

WINDLOAD CONSTRUCTION DETAILS

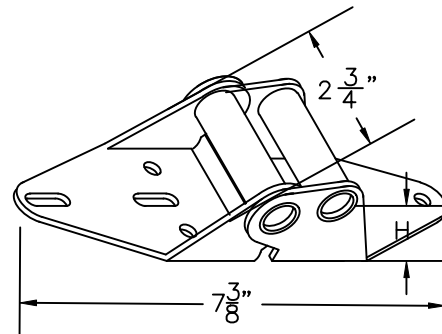
DWG. NO.
OB 2025/2024
FWL7-1607

SHT.
1
OF
2

REV.
1

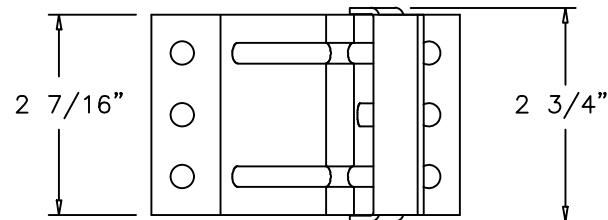


P/N 20604 (#1 HINGE)

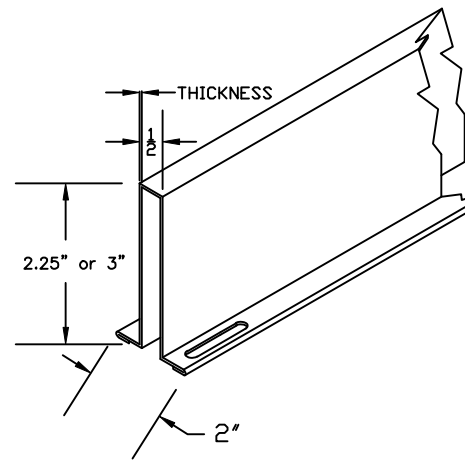
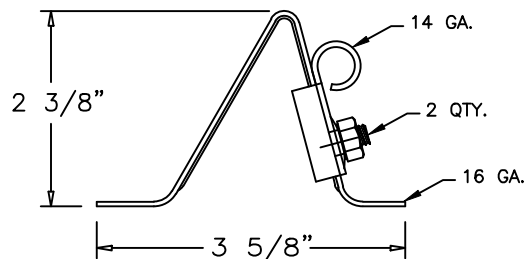


END HINGE

HINGE #	GAGE #	"H"	PART NUMBER
1	14	3/4"	20602
2	14	1"	20606
3	14	1 1/4"	20610
4	14	1 1/2"	20614
5	14	1 3/4"	20616
6	13	2"	20618

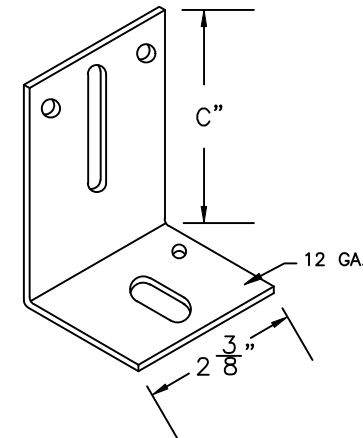


P/N 20356 TOP FIXTURE



STRUTS

THICKNESS OF STRUTS ARE AS STATED BELOW		
2.25" 22 GAUGE 33 KSI MINIMUM YIELD	.028" MIN.	
3" 20 GAUGE 50 KSI MINIMUM YIELD	.036" MIN.	

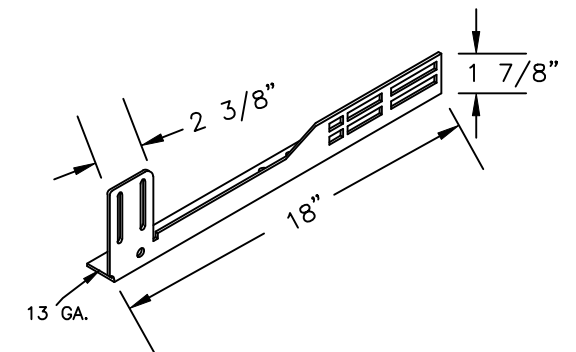


TRACK BRACKET

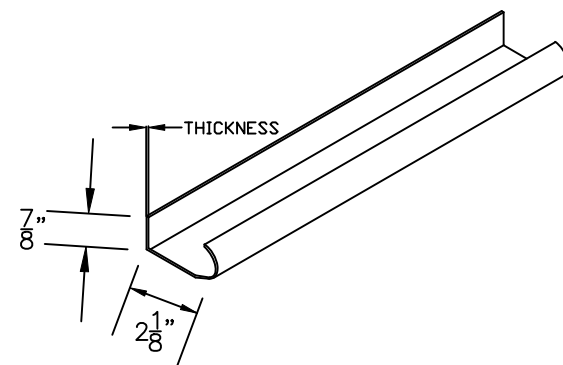
BRACKET #	"C"	PART NUMBER
4	3"	20368
5	3 1/4"	20370
6	3 1/2"	20372
7	3 3/4"	20374
8	4"	20376
9	4 3/4"	20378

NOTES:

- STRUTS ARE NOT MORE THAN 1 1/2" SHORTER THAN SECTION.
- USE IN CONJUNCTION WITH INSTALLATION INSTRUCTIONS. WHERE THE DRAWING CONFLICTS WITH OTHER INSTALLATION INSTRUCTIONS, THIS DRAWING GOVERNS.

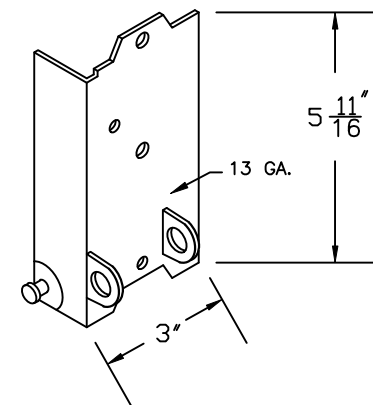


20366 & 7 FLAG BRACKET

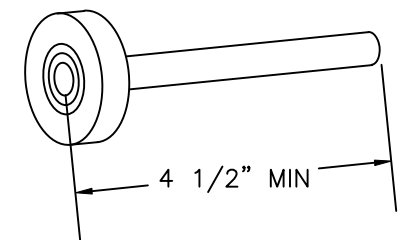


WINDLOAD TRACK

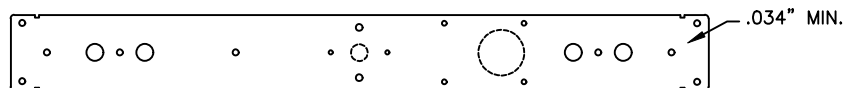
THICKNESS OF TRACK IS AS STATED BELOW		
VERTICAL TRACK IS MIN. 16 GA.	.058" MIN	
HORIZONTAL TRACK IS MIN. 16 GA.	.058" MIN	



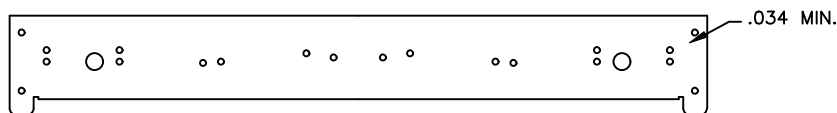
P/N 20334&5 BOTTOM BRKT.



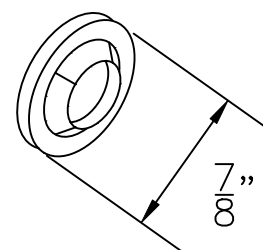
P/N 20812
SHORT STEM 11 BALL NYLON COATED STEEL ROLLER



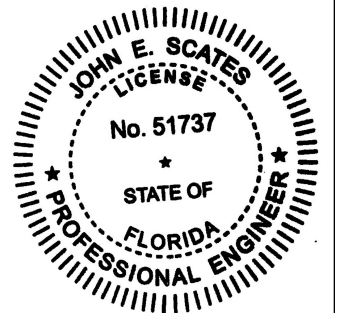
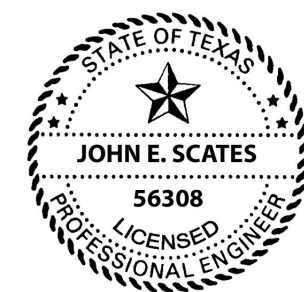
P/N 10455 & 10465 (21" & 18") CENTER STILE



P/N 10450 & 10460 (21" & 18") END STILE



P/N 20239 PUSH NUT



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3				11				ENGR.		"				
4				12				APPR. BY	JAR	"				
5				13										
6				14										
7				15										

Mid-America Door Company										PONCA CITY, OK				
DESCRIPTION														
WINDLOAD SERIES HARDWARE														
TITLE														
WINDLOAD CONSTRUCTION DETAILS										DWG. NO.		SHT.		REV.
										08 2025/2024-FML7-1607		2 OF 2		1