

NOTES:

1. REGAL SHOWN, CELEBRITY, AMERICAN 100, CS, XL, CSX, CSL OR VANTAGE SERIES MAY BE SUBSTITUTED.
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. THIS DOOR HAS NOT BEEN TESTED FOR WIND-BORNE DEBRIS.
11. USE THIS DRAWING IN CONJUNCTION WITH INSTALLATION INSTRUCTIONS. WHERE THE DRAWING CONFLICTS WITH OTHER INSTALLATION INSTRUCTIONS, THIS DRAWING GOVERNS.

Strut Requirements

# sections	# Struts	
	2-1/4"	3"
4	1	3
5	1	4
6	1	5
7	1	6
8	1	7

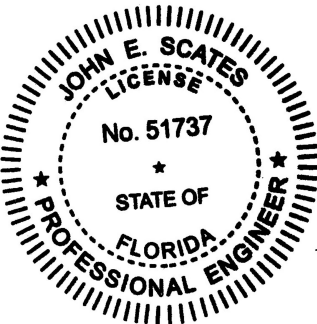
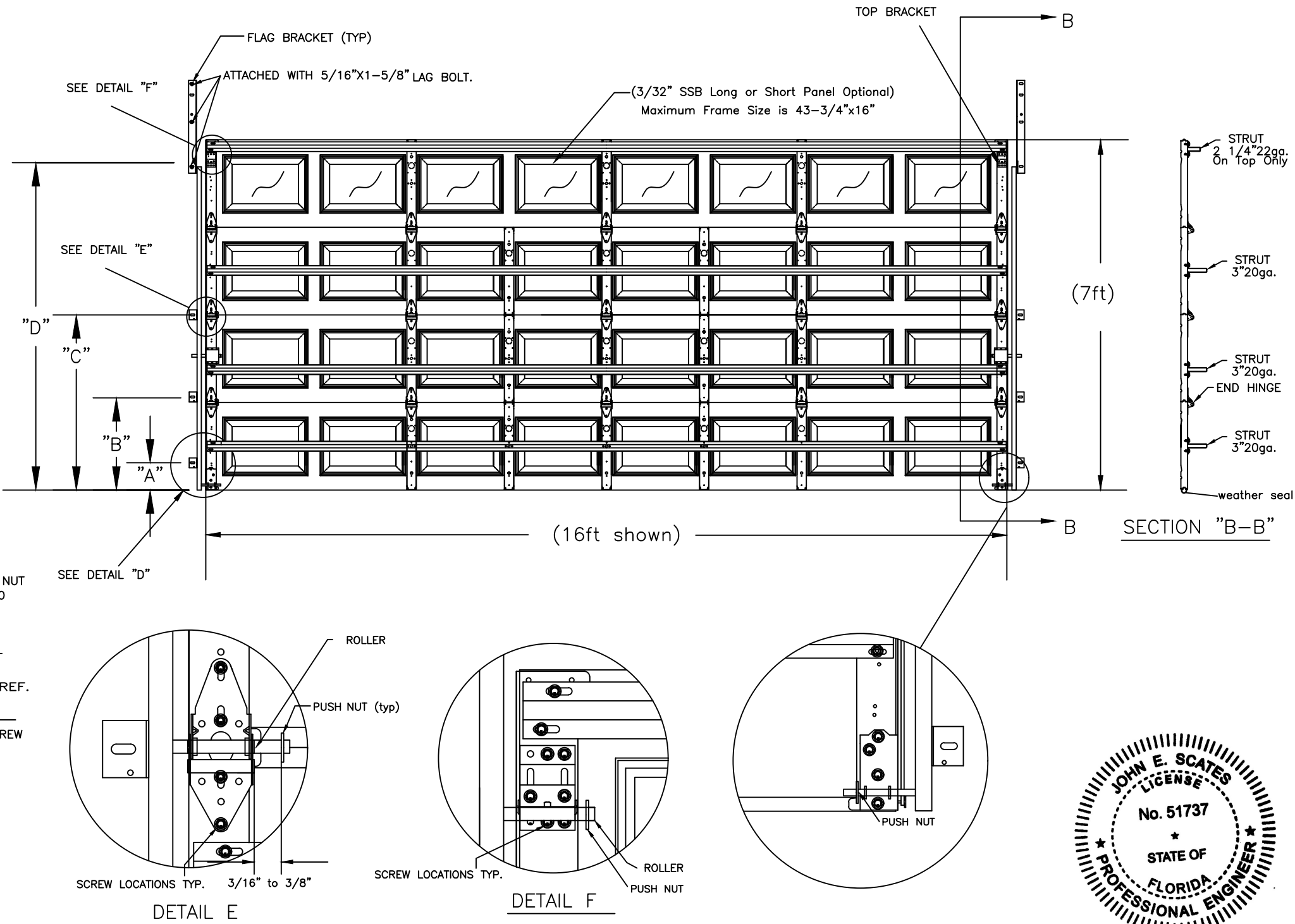
Track Bracket Locations

DOOR HEIGHT	"A"	"B"	"C"	"D"
6'-6" thru 7'-0"	4"	21"	42"	×
7'-6" Thru 8'-9"	4"	21"	42"	60"

For Doors over 9' high one Jamb bracket per section must be added and positioned within 3" of the roller.

Approved Pressures

DOOR WIDTH	DESIGN PRESSURE	MIN # INT	CENTER STILES GLAZED
12'-00"	+ 20.6 PSF / -22.9 PSF	3	2
14'-00"	+ 17.7 PSF / -19.6 PSF	4	3
16'-00"	+ 15.5 PSF / -17.2 PSF	5	3
17'-00"	+ 13.7 PSF / -15.2 PSF	7	3
18'-00"	+ 12.2 PSF / -13.5 PSF	7	3
20'-00"	+ 9.9 PSF / -11.0 PSF	9	4



Digitally signed by John E Scates
Date: 2021.09.23 12:40:48 -05'00'

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

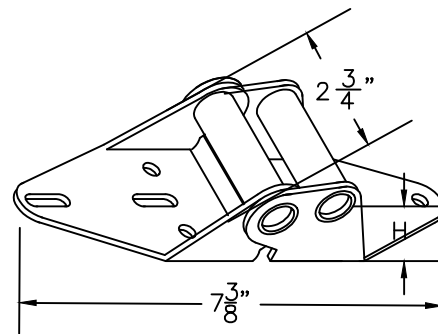
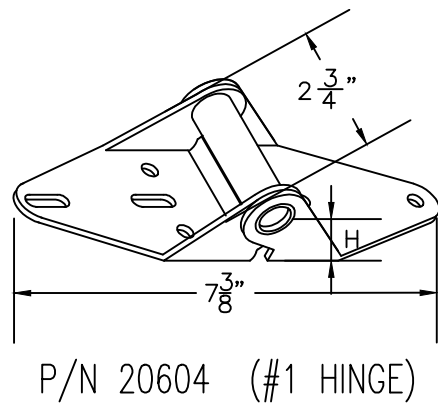
PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS
JOHN E. SCATES, P.E.
2560 King Arthur Blvd #124-24
Lewisville, TX 75056
FL P.E. # 51737
TX P.E. # 56308, F-2203

This product was tested/evaluated in accordance with ANSI/DASMA 108

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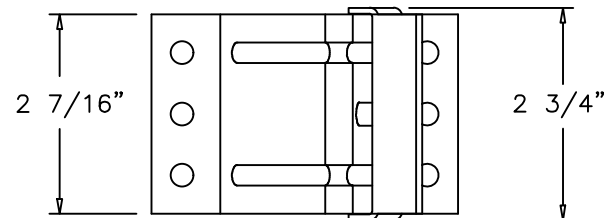
Rev.	By	Date	Description	Rev.	By	Date	Description	SCALE	N.T.S.	DATE
0	BR	11/1/17	NEW DRAWING	8				DRAWN BY	BJR	11-1-17
1	BR	1/26/18	NEW FL REVISION	9				INITIAL CHK.	BJR	"
2				10				FINAL CHK.		"
3				11				ENGR.		"
4				12				APPR. BY		"
5				13						
6				14						
7				15						

Mid-America Door Company		PONCA CITY, OK
DESCRIPTION		REGAL/ CELEBRITY WINDLOAD SERIES
TITLE		WINDLOAD CONSTRUCTION DETAILS
DWG. NO.	RC-FWL3-1607	SHT. 1 OF 2
REV.	1	

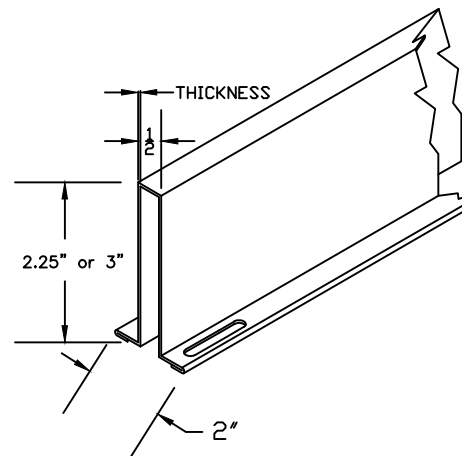
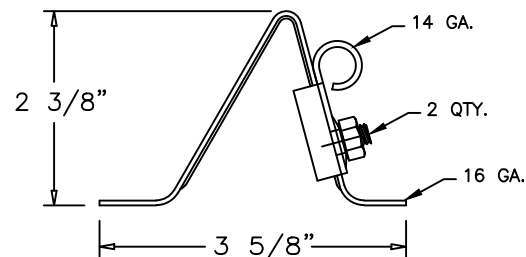


END HINGE

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

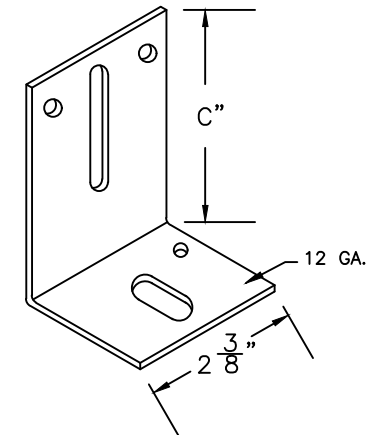


P/N 20356 TOP FIXTURE



STRUTS

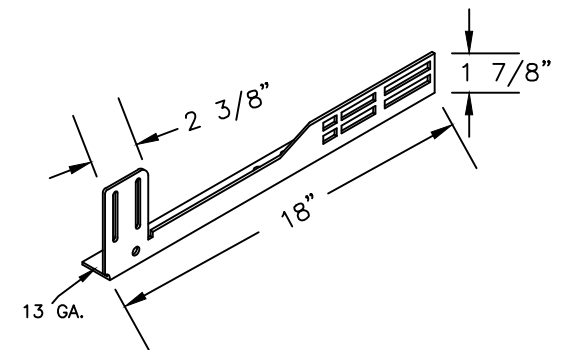
THICKNESS OF STRUTS ARE AS STATED BELOW		
2.25" 22 GAUGE 33 KSI MINIMUM YIELD	.028" MIN.	
3" 20 GAUGE 50 KSI MINIMUM YIELD	.036" MIN.	



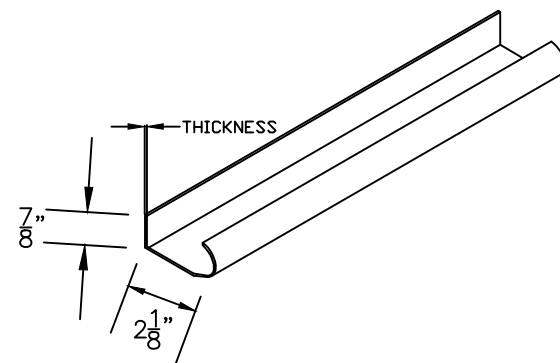
TRACK BRACKET

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.

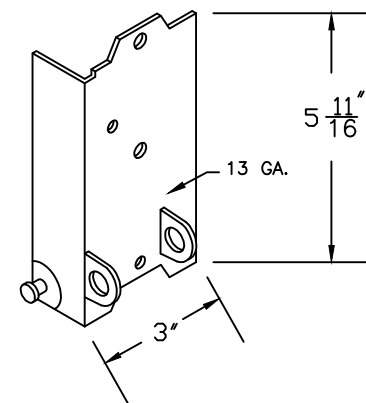


20366 & 7 FLAG BRACKET

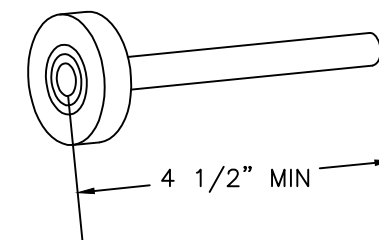


WINDLOAD TRACK

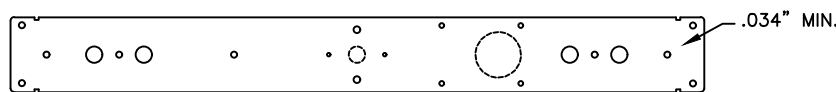
THICKNESS OF TRACK IS AS STATED BELOW		
VERTICAL TRACK IS MIN. 16 GA.	.058" MIN	
HORIZONTAL TRACK IS MIN. 16 GA.	.058" MIN	



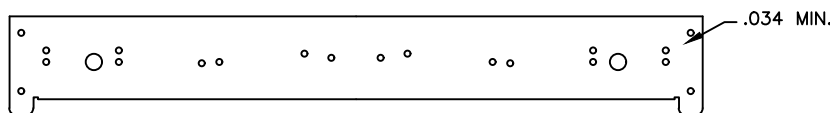
P/N 20334&5 BOTTOM BRKT.



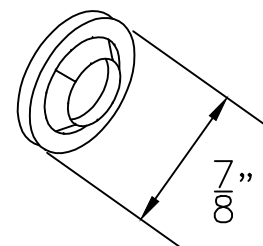
P/N 20812
SHORT STEM 11 BALL NYLON COATED STEEL ROLLER



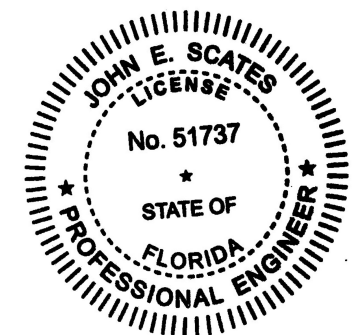
P/N 10455 & 10465 (21" & 18") CENTER STILE



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



P/N 20239 PUSH NUT



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

JOHN E. SCATES, P.E.
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5				13						
6				14						
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17				Mid-America Door Company		PONCA CITY, OK	
DESCRIPTION							
WINDLOAD SERIES HARDWARE							
TITLE				DWG. NO.		SHT.	REV.
WINDLOAD CONSTRUCTION DETAILS				RC-FWL3-1607		2 OF	1