

NOTES:

1. IMPACT RESISTANT GLAZING OPTION - IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN ANY OR ALL SECTIONS. GLAZING SHALL BE 1/4" GROOVED POLYCARBONATE. ALUMINUM FRAMES ASSEMBLED WITH (16) SCREWS. MAXIMUM CLEAR OPENING OF 40" X 12-3/4", FASTENED WITH A MINIMUM #8 X 1" SMS: 5X ALONG THE HORIZONTAL AND 3X ALONG THE VERTICAL. SEE DETAIL E ON SHEET 2 FOR ASSEMBLY DETAILS.

2. NON-IMPACT RESISTANT GLAZING OPTION - 3/32" MINIMUM SSB ANNEALED GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (14) #8x1" SCREWS WITH WASHERS (2X ALONG THE VERTICAL AND 5X ALONG THE HORIZONTAL) INSTALLED IN ANY OR ALL SECTIONS MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. MAXIMUM GLAZING DIMENSIONS SHALL BE 38.5" X 13" CLEAR OPENING. GLASS IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. SEE DETAIL F ON SHEET 2 FOR ASSEMBLY DETAILS.

ALTERNATE OPTION- 1/2" INSULATED DSB ANNEALED GLAZING IN ALUMINUM EXTERIOR FRAME/PLASTIC MOLDED INTERIOR FRAME SCREWED TOGETHER WITH A MINIMUM OF (14) #8x1" SCREWS (2X ALONG THE HORIZONTAL AND 5X ALONG THE HORIZONTAL) INSTALLED IN ANY OR ALL SECTIONS MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. MAXIMUM GLAZING DIMENSIONS SHALL BE 39" X 5-1/6" CLEAR OPENING. GLASS IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. SEE DETAIL G ON SHEET 2 FOR ASSEMBLY DETAILS.

3. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.

4. KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.

5. FACER STEEL TO HAVE A MINIMUM 27 GA THICKNESS AND BACKER STEEL TO HAVE A MINIMUM 29 GA THICKNESS.

6. 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.

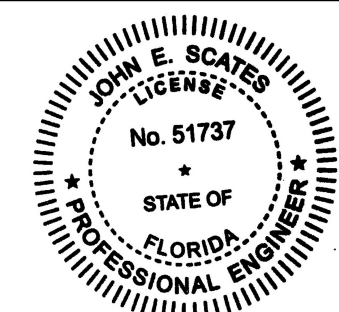
7. DOOR JAMB TO BE MINIMUM 2x6 SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

8. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITHOUT PUSHNUTS AND WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

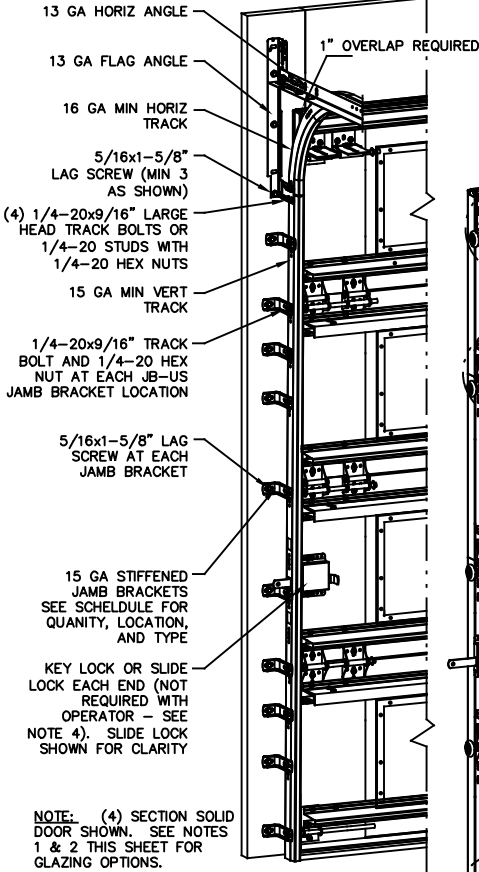
9. COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
17'-2"	ALL	+315.9/-357.1
18'-2"	ALL	+334.3/-377.9



Digitally signed by John E. Scates, P.E.
Date: 2021.04.16 01:24:02 -05'00'



NOTE: (4) SECTION SOLID DOOR SHOWN. SEE NOTES 1 & 2 THIS SHEET FOR GLAZING OPTIONS.

JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
6'-6"	4	9	2", 10", 16", 21-3/4", 29-3/4", 42", 48", 55", 63-1/4"
7'-0"	4	9	2", 10", 16", 21-3/4", 29-3/4", 42", 48", 55", 63-1/4"
7'-6"	4 OR 5	11	2", 10", 16", 21-3/4", 29-3/4", 40", 48", 57-1/4", 66", 71", 75-1/2"
8'-0"	4 OR 5	11	2", 10", 16", 21-3/4", 29-3/4", 40", 48", 57-1/4", 66", 71", 75-1/2"
> 8'-0"			SEE NOTE BELOW

NOTE:

(JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.

Wayne Dalton
GARAGE DOORS™

A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+36.80/-41.60	MAX WIDTH:	18'-2"	DATE		NAME	
TEST (PSF):	+55.20/-62.40	MAX HEIGHT:	24'-0"	DRAWN	03/09/21	JQ	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"	CHECKED	03/31/21	DK		
MODELS 4600/4650/6600/8300/8350/8500/5150/5200				SHEET 1 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 2618				DRAWING PART NO.	365451	REV.	-

REVISIONS

REV - INITIAL DRAWING
JQ 3/23/21

(2) 12 GA COMMERCIAL 'L' FRAME
TOP BRACKETS ATTACHED WITH (4)
1/4-20x7/8" SELF DRILLING SCREWS
(2 THROUGH STRUT AND TOP
BRACKET)

'L' FRAME REINFORCING ANGLE
BRACKET ATTACHED WITH (1)
1/4-20x7/8" SELF DRILLING SCREWS

13 GA ROLLER SLIDE ATTACHED
TO BRACKET WITH 5/16-18 BOLT
& NUT IN THE CENTER SLOT

DETAIL A

2" STEEL ROLLER WITH 9" GRADE
1144 OR EQUIVALENT STEM. 1/4"
MAX BETWEEN PUSH NUT AND
OUTER HINGE.
OPTIONAL- 11 BALL BEARING
NYLON ROLLER WITH 1144 OR
EQUIVALENT STEM.

(2) WIDE BODY END HINGES
EACH ATTACHED WITH (4)
1/4-14x7/8" SELF DRILLING
CRIMPITE SCREWS

DETAIL B

DOUBLE END HINGE
#1 HINGE 14GA
#2 HINGE 13GA
#3 HINGE 13GA

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

DETAIL C

14 GA BOTTOM BRACKET
ATTACHED WITH (2)
1/4-14x7/8" SELF DRILLING
CRIMPITE SCREWS THROUGH
STRUT AND BOTTOM BRACKET
AND (1) 1/4-14x5/8" SELF
DRILLING TAMPER RESISTANT
SCREW

DETAIL D

PLASTIC FRAME
(STATIC RATED)
DETAIL E

1/8" BEAD OF BOSTICK
1100 OR EQUIVALENT

MOLDED FRAME

1/8" FOAM TAPE
APPLIED HERE

1/8" FOAM TAPE
APPLIED HERE

ALUMINUM FRAME
(STATIC RATED ALTERNATE FRAME OPTION)
DETAIL G

ALL 2X2X12GA ANGLE SHALL BE ATTACHED WITH
(2) 1/4-14x7/8" SELF DRILLING CRIMPITE
SCREWS AT EACH HINGE LOCATION AND BETWEEN
ALL END HINGES AND INTERMEDIATE HINGES. A
MINIMUM OF (18) FASTENERS ARE TO BE USED.

ALL INTERMEDIATE U-BARS WITHOUT ANGLES SHALL BE
ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING
CRIMPITE SCREWS AT EACH HINGE LOCATION AND
BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A
MINIMUM OF (22) FASTENERS ARE TO BE USED.

INTERIOR FRAME

EXTERIOR FRAME

SHEETMETAL SCREW
1/4" POLYCARBONATE

DETAIL F

JOHN E. SCATES, PE
2560 KING ARTHUR #124-54
LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308/F2203

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REVISIONS

(10) SECTION DOORS WITH
(20) 3" 18 GA 80 KSI U-BARS
(9) 2X2X12GA ANGLES
LOCATED AS SHOWN

(9) SECTION DOORS WITH
(18) 3" 18 GA 80 KSI U-BARS
(8) 2X2X12GA ANGLES
LOCATED AS SHOWN

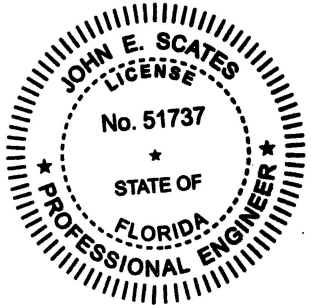
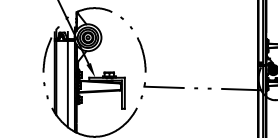
(8) SECTION DOORS WITH
(16) 3" 18 GA 80 KSI U-BARS
(7) 2X2X12GA ANGLES
LOCATED AS SHOWN

(7) SECTION DOORS WITH
(14) 3" 18 GA 80 KSI U-BARS
(6) 2X2X12GA ANGLES
LOCATED AS SHOWN

(6) SECTION DOORS WITH
(12) 3" 18 GA 80 KSI U-BARS
(5) 2X2X12GA ANGLES
LOCATED AS SHOWN

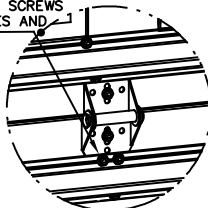
(5) SECTION DOORS WITH
(10) 3" 18 GA 80 KSI U-BARS
(4) 2X2X12GA ANGLES
LOCATED AS SHOWN

(4) SECTION DOORS WITH
(8) 3" 18 GA 80 KSI U-BARS
(3) 2X2X12GA ANGLES
LOCATED AS SHOWN

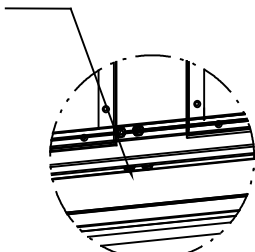


STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
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IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED 03/31/21		DK	
MODELS 4600/4650/6600/8300/8350/8500/5150/5200				SHEET 2 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 2618				DRAWING PART NO.		REV.	
				365451		−	

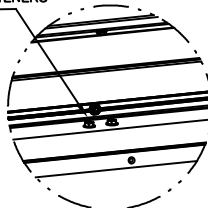
U-BARS WITH 2X2X12GA ANGLES SHALL BE ATTACHED WITH (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS AT EACH HINGE LOCATION AND (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS BETWEEN ALL END HINGES AND INTERMEDIATE HINGES.



BOTTOM U-BARS SHALL BE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS AT EACH HINGE LOCATION AND (2) 1/4-14x7/8" BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A MINIMUM OF (28) FASTENERS ARE TO BE USED.



ALL 2X2X12GA ANGLE SHALL BE ATTACHED WITH (2) 1/4-14X7/8" SELF DRILLING CRIMPITE SCREWS SIDE BY SIDE AT EACH HINGE LOCATION AND BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A MINIMUM OF (18) FASTENERS ARE TO BE USED.



STATIC FRAME SIZE	DAYLIGHT OPENING (DLO)	SCREW QTY
18.74 X 13.76	15 X 11	10
18.25 X 15.25	15.75 X 12.75	6
39.88 X 12.69	35.8 X 8.6	14
40.50 X 15.25	37.8 X 12.75	14
40.75 X 7	37.75 X 4	14
43.96 X 15.09	40.13 X 11.25	22

IMPACT FRAME SIZE	DAYLIGHT OPENING (DLO)	SCREW QTY
19.2 X 15.3	15 X 11	10
19.8 X 16.8	15.75 X 12.75	10
40 X 12.8	35.8 X 8.6	14
42 X 16.8	37.8 X 12.75	14
41.2 X 7.1	37 X 3	12
44.1 X 15.5	40.13 X 11.25	16

A circular professional engineer seal for John E. Scates. The outer ring contains the text "JOHN E. SCATES" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this is a dashed circle containing the word "LICENSE" at the top, "No. 51737" in the center, a single star below the number, and "STATE OF FLORIDA" at the bottom. The entire seal is surrounded by a series of short, parallel radial lines.

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