

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 (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. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" OR DOOR MAY OVERLAP JAMBS BY 1" ON EACH SIDE.

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.

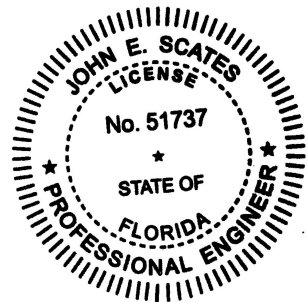
7. DOOR JAMB TO BE MINIMUM 2x6 SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

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.

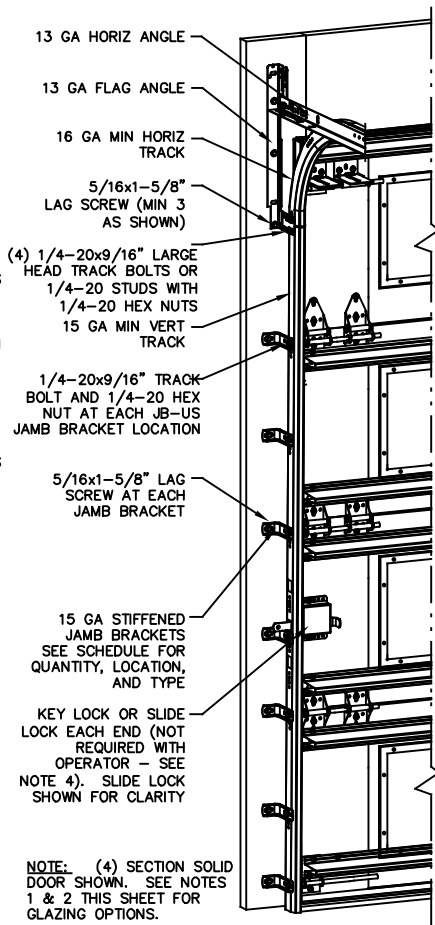
9. COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

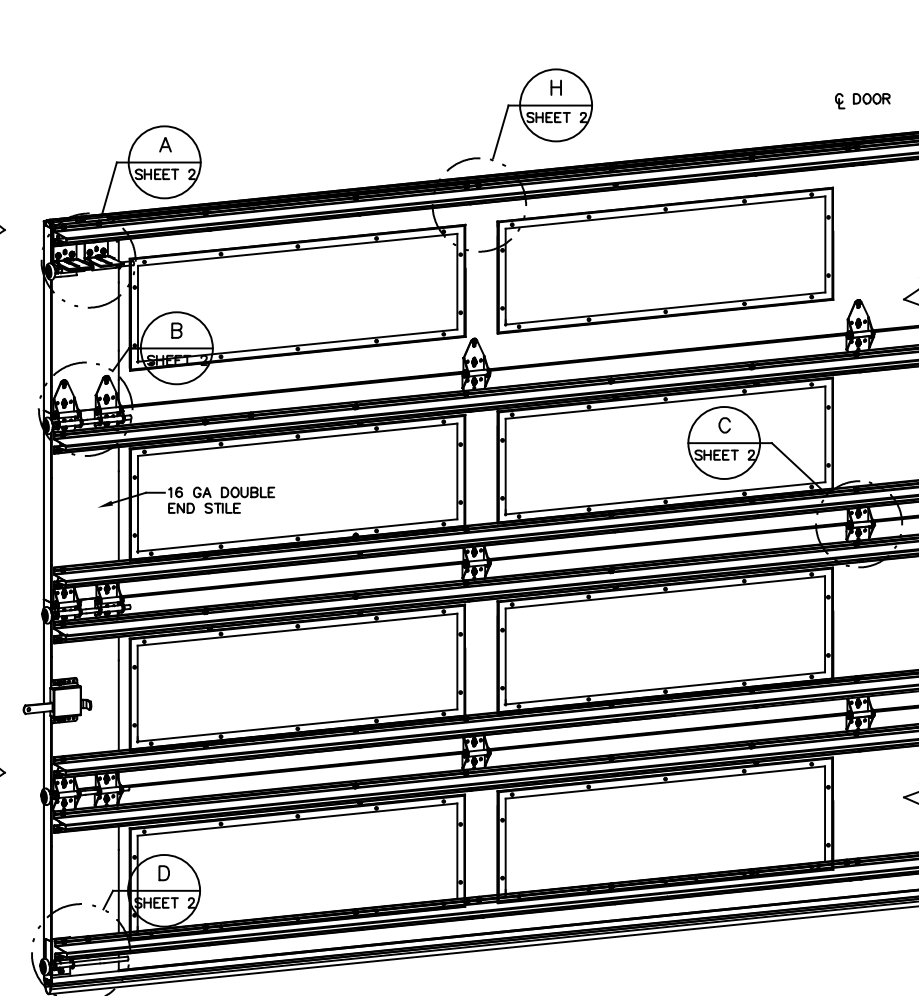
DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
10'–2"	ALL	+165.7/–187.6
12'–2"	ALL	+198.3/–224.4
14'–2"	ALL	+230.9/–261.3
15'–2"	ALL	+247.2/–279.8
16'–2"	ALL	+263.5/–298.2



Digitally signed by John E. Scates, P.E.
Date: 2021.04.15 17:04:15 -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	7	2" (JB–US), 10" (JB–US), 21–3/4" (JB–US), 29–3/4" (JB–US), 39" (JB–US), 48" (JB–US), 57–1/4" (JB–US)
7'–0"	4	7	2" (JB–US), 10" (JB–US), 21–3/4" (JB–US), 29–3/4" (JB–US), 42" (JB–US), 52–1/2" (JB–US), 63–1/4" (JB–US)
7'–6"	4 OR 5	8	2" (JB–US), 10" (JB–US), 18–3/4" (JB–US), 26–3/4" (JB–US), 36" (JB–US), 45" (JB–US), 54–1/4" (JB–US), 74–1/2" (JB–US)
8'–0"	4 OR 5	8	2" (JB–US), 10" (JB–US), 21–3/4" (JB–US), 29–3/4" (JB–US), 39" (JB–US), 48" (JB–US), 57–1/2" (JB–US), 75–1/2" (JB–US)
> 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.

REVISIONS
REV – INITIAL DRAWING
JQ 3/09/21

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):	+32.60/–36.90	MAX WIDTH:	16'–2"	DATE		NAME	
TEST (PSF):	+48.90/–55.35	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 2			
WINDLOAD SPECIFICATION OPTION CODE 2610				DRAWING PART NO.		REV.	
				365443		–	

(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.
OPTIONAL- 11 BALL BEARING
NYLON ROLLER WITH 1144 OR
EQUIVALENT STEM.

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

DETAIL C

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

DETAIL D

1/8" BEAD OF BOSTICK
1100 OR EQUIVALENT

MOLDED FRAME

PLASTIC FRAME
(STATIC RATED)
DETAIL E

1/8" FOAM TAPE
APPLIED HERE

TOP AND BOTTOM U-BARS
SHALL BE ATTACHED WITH
(4) 1/4-14x7/8" SELF DRILLING
CRIMPITITE SCREWS AT EACH
HINGE LOCATION.

ALUMINUM FRAME
(STATIC RATED ALTERNATE FRAME OPTION)
DETAIL G

DETAIL H

EXTERIOR
FRAME

INTERIOR FRAME

SHEETMETAL SCREW
1/4" POLYCARBONATE

DETAIL E

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

(10) SECTION DOORS WITH
(19) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(9) SECTION DOORS WITH
(17) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(8) SECTION DOORS WITH
(15) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

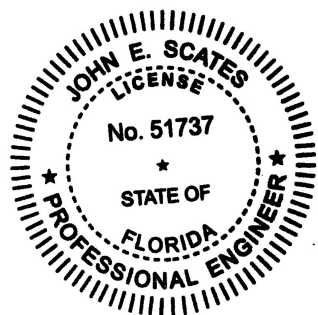
(7) SECTION DOORS WITH
(13) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(6) SECTION DOORS WITH
(11) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(5) SECTION DOORS WITH
(9) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(4) SECTION DOORS WITH
(7) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

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



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

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MODELS 4600/4650/6600/8300/8350/8500/5150/5200				SHEET 2 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 2610				DRAWING PART NO.		REV.	
				365443		-	