



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

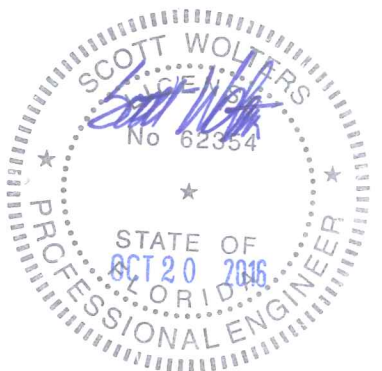
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 1/10

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



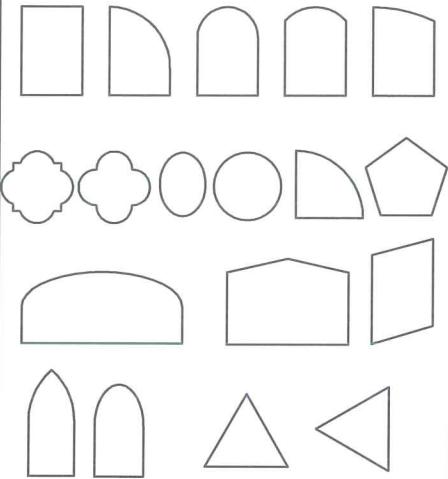
CONFIGURATION: O
WOOD: Mahogany
VIEWED FROM THE OUTSIDE

ALLOWABLE DESIGN PRESSURE:
AS PER TABLE 1 ON sheets 3 to 8.

GENERAL NOTES:

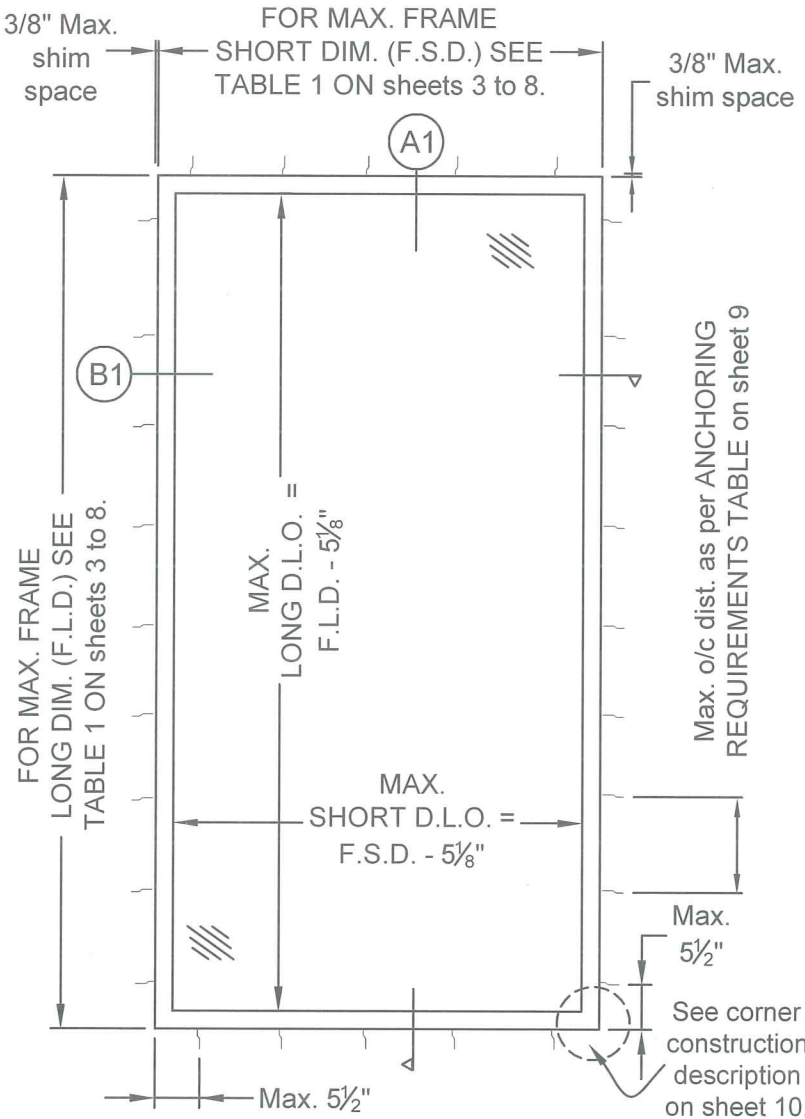
- 1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HIGH VELOCITY HURRICANE ZONE OF THE 5TH EDITION (2014) FLORIDA BUILDING CODE.
- 2- THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS 201, 202 AND 203. SHUTTERS ARE NOT REQUIRED.
- 3- WOOD BUCKS (BY OTHERS) AND OPENINGS MUST BE DESIGNED BY THE PROFESSIONAL OF RECORD TO PROPERLY TRANSFER WIND LOADS TO THE MAIN STRUCTURE.
- 4- SPECIFIED ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 5- IN ORDER TO VERIFY THAT ANCHORS FOR THIS PRODUCT WERE NOT OVERSTRESSED AS TESTED, A 33% ALLOWABLE STRESS INCREASE **WAS NOT** USED IN THEIR ANALYSIS. HOWEVER, A LOAD DURATION FACTOR OF $C_d = 1.6$ WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES.
- 6- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL & STEEL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE ISOLATED TO PREVENT GALVANIC CORROSION.

APPROVED SHAPES



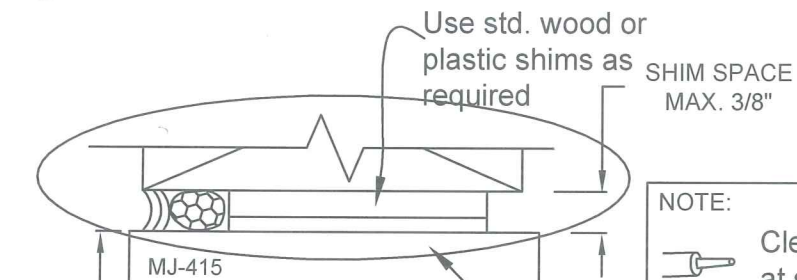
NOTES:

1. Other shapes may apply providing they are similar to those shown & have corner construction as described on sheet 10.
2. All shaped units must fit inscribed into the allowable rectangular units.
3. Approved shaped members to be conform to cross section A1 on sheet 2.



CROSS SECTION VIEWS

A1 HEAD & SILL



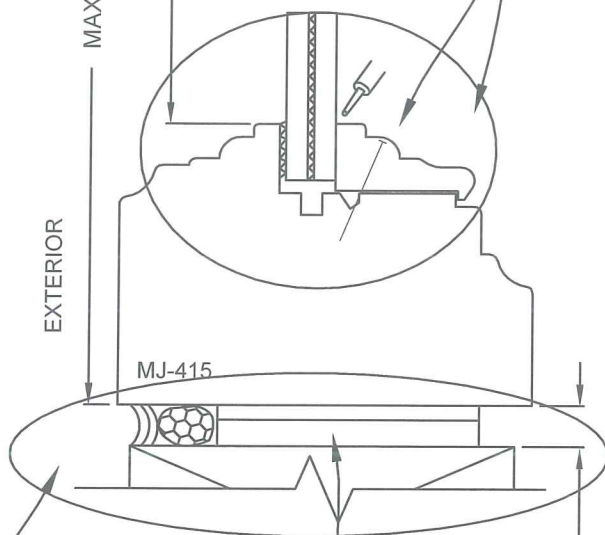
NOTE:
 Clear silicone sealant at shown interfaces
 Backing rod and sealant as required

See INSTALLATION DETAILS on sheet 9.

See GLAZING DETAILS on this sheet

Glazing bead nail: #18 g. x 1" @ 10" o/c and 2" from corners

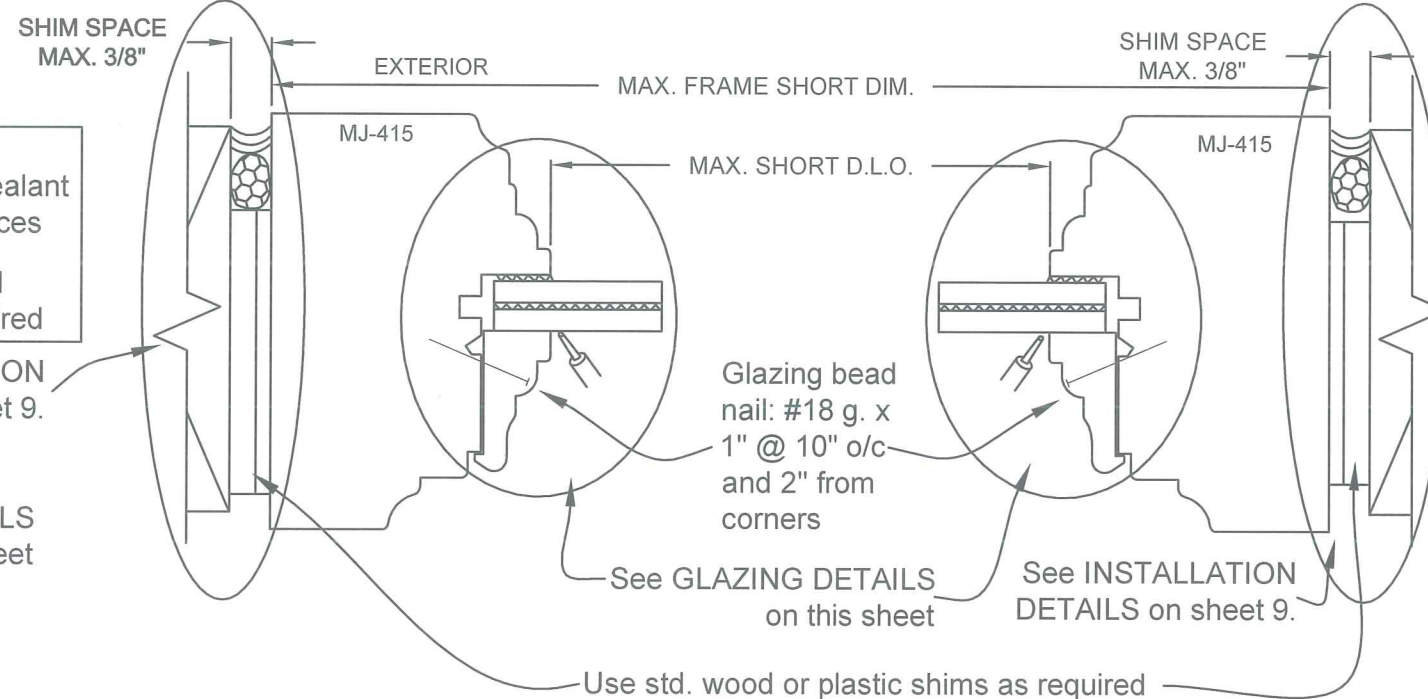
MAX. FRAME LONG DIM.
MAX. LONG D.L.O.



See INSTALLATION DETAILS on sheet 9.

Use std. wood or plastic shims as required

B1 JAMBS



Use std. wood or plastic shims as required

GLAZING DETAILS

Typ. glazing w/ monolithic laminated glass

According to glazing options on sheets 3 to 8.

1/16" (t) X 1/2" (H) extrusion of Dow Corning 832 silicone

.075" Saflex CP interlayer by Eastman Chemical

According to glazing options on sheets 3 to 8.

Alternate flat glazing bead # G1-074

Profiled glazing bead # G1-075

1/2"

Glass bite

Exterior

Typ. glazing w/ double insulated glass

.075" Saflex CP interlayer by Eastman Chemical
According to glazing options on sheets 3 to 8.

1/16" (t) X 1/2" (H) extrusion of Dow Corning 832 silicone

1/2"

Glass bite

Exterior

According to glazing options on sheets 3 to 8.

Inner air space, according to glazing options on sheets 3 to 8, with Stainless Steel spacer by TGI.

According to glazing options on sheets 3 to 8.

1/16"x1/2" bead of Tremco Spectrem 2 silicone.

Alternate profiled glazing bead # G1-045

Flat glazing bead # G1-044



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES DIRECT GLAZED WOOD WINDOW - LMI

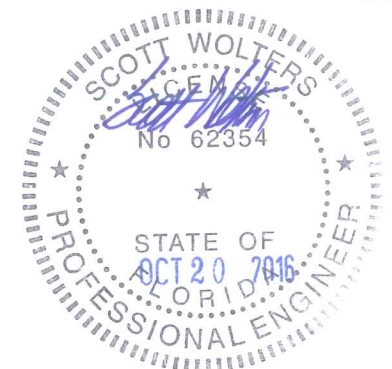
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

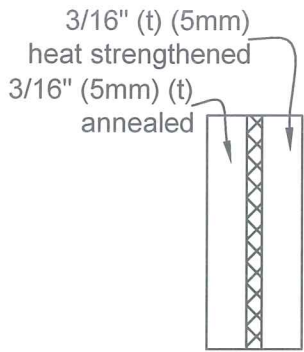
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 2/10

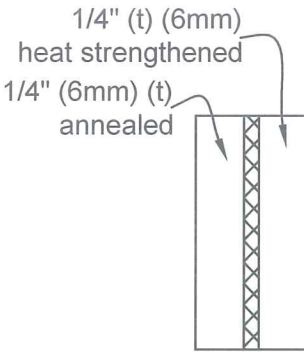
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



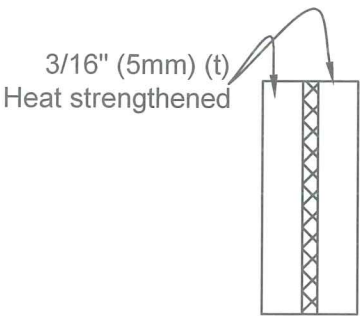
GLAZING OPTIONS



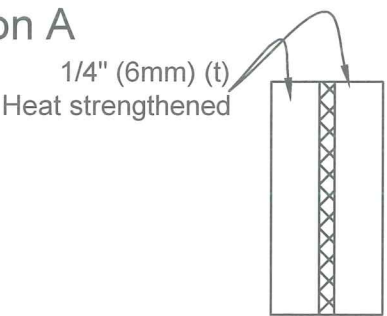
Option A



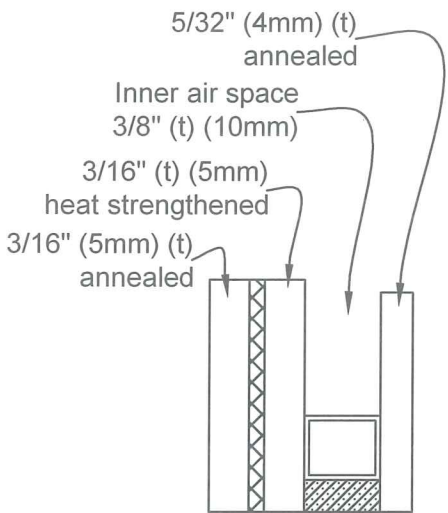
Option B



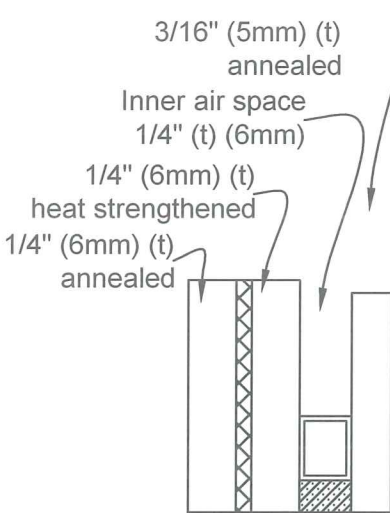
Option C



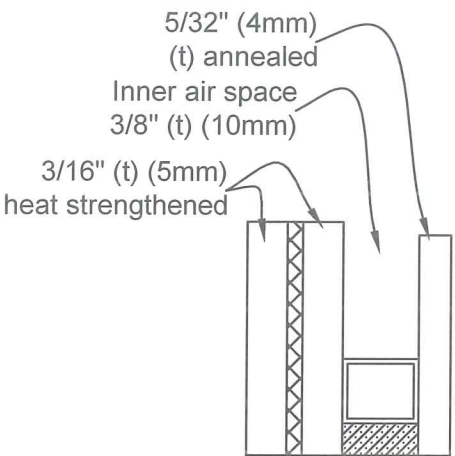
Option D



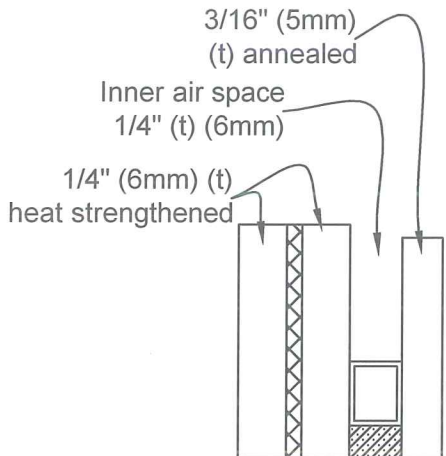
Option A1



Option B1



Option C1



Option D1

TABLE 1: ALLOWABLE DESIGN PRESSURE ACCORDING TO FRAME DIMENSIONS

Max. Frame Long Dim. (in.)	Max. Frame Short Dim. (in.)	Allowable Pressure (psf)							
		w / Non-IG glazing				w / IG glazing			
		Glass Option A	Glass Option B	Glass Option C	Glass Option D	Glass Option A1	Glass Option B1	Glass Option C1	Glass Option D1
122.5	64	+37.4 / -37.4	+44.2 / -44.2	+65 / -74.6	+65 / -85	+36 / -36	+42 / -42	+65 / -76.1	+65 / -85
	58	+39.3 / -39.3	+47.8 / -47.8	+65 / -78.7	+65 / -85	+38 / -38	+45.4 / -45.4	+65 / -80.2	+65 / -85
	52	+42.7 / -42.7	+53 / -53	+65 / -85	+65 / -85	+41.3 / -41.3	+50.4 / -50.4	+65 / -85	+65 / -85
	46	+47.5 / -47.5	+60.3 / -60.3	+65 / -85	+65 / -85	+45.9 / -45.9	+57.3 / -57.3	+65 / -85	+65 / -85
	40	+55.4 / -55.4	+65 / -72.8	+65 / -85	+65 / -85	+53.6 / -53.6	+65 / -69.2	+65 / -85	+65 / -85
	34	+65 / -71.4	+65 / -85	+65 / -85	+65 / -85	+65 / -69	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
110	64	+41.2 / -41.2	+49.5 / -49.5	+65 / -82.4	+65 / -85	+39.8 / -39.8	+47 / -47	+65 / -85	+65 / -85
	58	+43.3 / -43.3	+52.1 / -52.1	+65 / -85	+65 / -85	+41.9 / -41.9	+49.6 / -49.6	+65 / -85	+65 / -85
	52	+46.6 / -46.6	+58 / -58	+65 / -85	+65 / -85	+45 / -45	+55.2 / -55.2	+65 / -85	+65 / -85
	46	+50.9 / -50.9	+65 / -65	+65 / -85	+65 / -85	+49.2 / -49.2	+61.8 / -61.8	+65 / -85	+65 / -85
	40	+58.6 / -58.6	+65 / -77	+65 / -85	+65 / -85	+56.7 / -56.7	+65 / -73.2	+65 / -85	+65 / -85
	34	+65 / -73.7	+65 / -85	+65 / -85	+65 / -85	+65 / -71.3	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
98	64	+47 / -47	+55.5 / -55.5	+65 / -85	+65 / -85	+45.4 / -45.4	+52.8 / -52.8	+65 / -85	+65 / -85
	58	+49 / -49	+59.5 / -59.5	+65 / -85	+65 / -85	+47.3 / -47.3	+56.5 / -56.5	+65 / -85	+65 / -85
	52	+51.2 / -51.2	+64.8 / -64.8	+65 / -85	+65 / -85	+49.5 / -49.5	+61.6 / -61.6	+65 / -85	+65 / -85
	46	+56.3 / -56.3	+65 / -72.5	+65 / -85	+65 / -85	+54.4 / -54.4	+65 / -68.9	+65 / -85	+65 / -85
	40	+62.3 / -62.3	+65 / -82.5	+65 / -85	+65 / -85	+60.1 / -60.1	+65 / -78.4	+65 / -85	+65 / -85
	34	+65 / -76.5	+65 / -85	+65 / -85	+65 / -85	+65 / -73.9	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
86	64	+52.7 / -52.7	+63.2 / -63.2	+65 / -85	+65 / -85	+50.9 / -50.9	+60.1 / -60.1	+65 / -85	+65 / -85
	58	+57.3 / -57.3	+65 / -68.3	+65 / -85	+65 / -85	+55.4 / -55.4	+64.9 / -64.9	+65 / -85	+65 / -85
	52	+61.1 / -61.1	+65 / -73.7	+65 / -85	+65 / -85	+59 / -59	+65 / -70.1	+65 / -85	+65 / -85
	46	+65 / -66	+65 / -80.5	+65 / -85	+65 / -85	+63.7 / -63.7	+65 / -76.5	+65 / -85	+65 / -85
	40	+65 / -72.6	+65 / -85	+65 / -85	+65 / -85	+65 / -70.2	+65 / -85	+65 / -85	+65 / -85
	34	+65 / -84.6	+65 / -85	+65 / -85	+65 / -85	+65 / -81.7	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
74	64	+61.3 / -61.3	+65 / -72.9	+65 / -82	+65 / -85	+59.2 / -59.2	+65 / -69.3	+65 / -85	+65 / -85
	58	+65 / -65.9	+65 / -77.2	+65 / -73	+65 / -85	+63.6 / -63.6	+65 / -73.4	+65 / -85	+65 / -85
	52	+65 / -71.3	+65 / -82.1	+65 / -79	+65 / -85	+65 / -68.9	+65 / -78.1	+65 / -85	+65 / -85
	46	+65 / -76.4	+65 / -85	+65 / -85	+65 / -85	+65 / -73.8	+65 / -85	+65 / -85	+65 / -85
	40	+65 / -81.5	+65 / -85	+65 / -85	+65 / -85	+65 / -78.8	+65 / -85	+65 / -85	+65 / -85
	34	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
64	64	+65 / -71	+65 / -81.7	+65 / -85	+65 / -85	+65 / -68.6	+65 / -77.7	+65 / -85	+65 / -85
	58	+65 / -75.1	+65 / -85	+65 / -85	+65 / -85	+65 / -72.6	+65 / -82.6	+65 / -85	+65 / -85
	52	+65 / -79.8	+65 / -85	+65 / -85	+65 / -85	+65 / -77.1	+65 / -85	+65 / -85	+65 / -85
	46	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -83	+65 / -85	+65 / -85	+65 / -85
	40	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	34	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
52	52	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+58 / -58	+65 / -85	+65 / -85	+65 / -85
	46	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+63 / -63	+65 / -85	+65 / -85	+65 / -85
	40	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -74	+65 / -85	+65 / -85	+65 / -85
	34	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
40	40	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	34	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
28	28	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES DIRECT GLAZED WOOD WINDOW - LMI

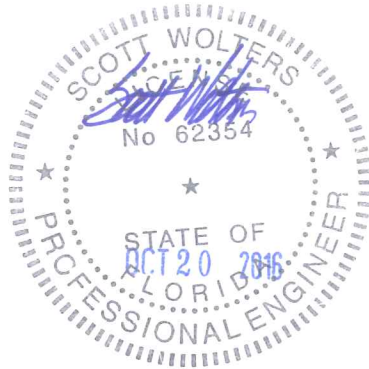
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

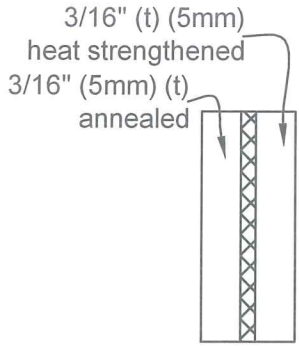
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 3/10

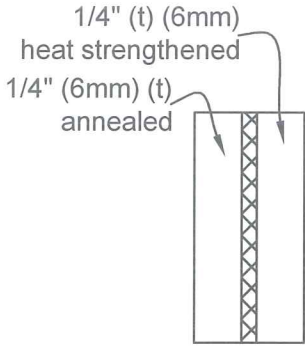
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



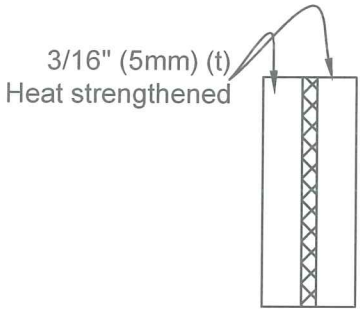
GLAZING OPTIONS



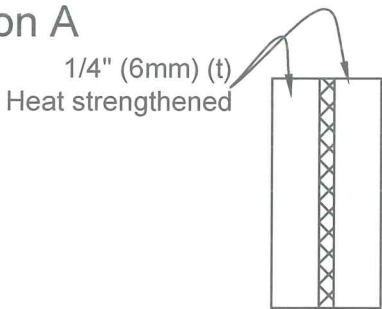
Option A



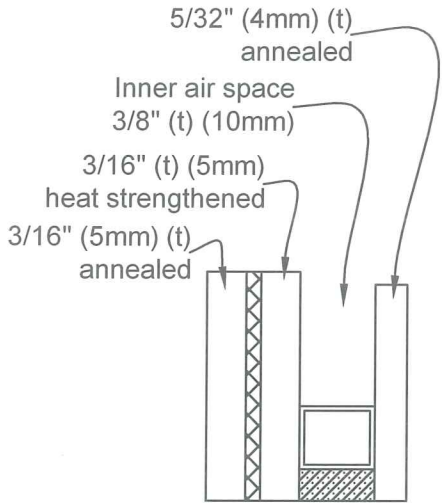
Option B



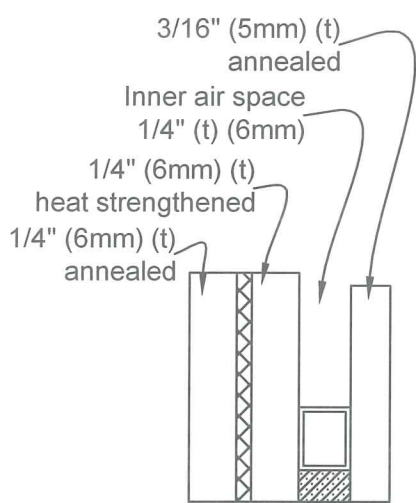
Option C



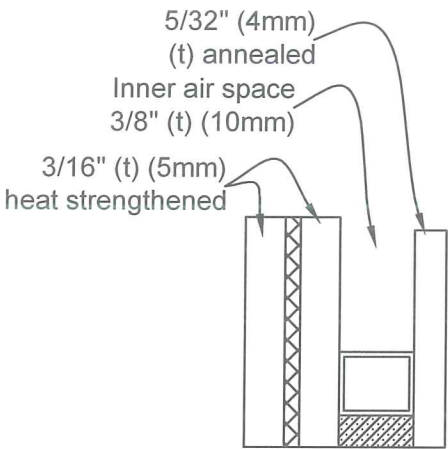
Option D



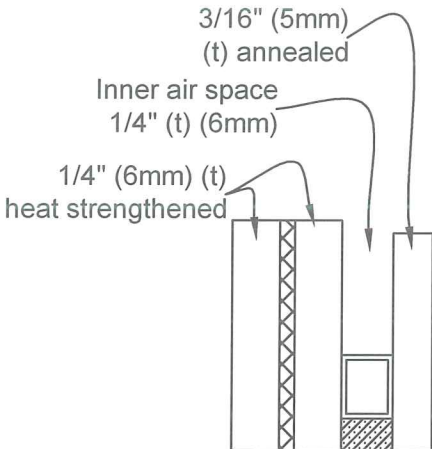
Option A1



Option B1



Option C1



Option D1

TABLE 1: ALLOWABLE DESIGN PRESSURE ACCORDING TO FRAME DIMENSIONS

Max. Frame Short Dim. (in.)	Max. Frame Long Dim. (in.)	Allowable Pressure (psf)							
		w / Non-IG glazing				w / IG glazing			
		Glass Option A	Glass Option B	Glass Option C	Glass Option D	Glass Option A1	Glass Option B1	Glass Option C1	Glass Option D1
18	18	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	24	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	30	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	36	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	42	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	48	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	72	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	78	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	84	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	90	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	96	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	102	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	108	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
24	114	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	120	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	126	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	132	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	138	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	144	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	24	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	30	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	36	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	42	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	48	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	72	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	78	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

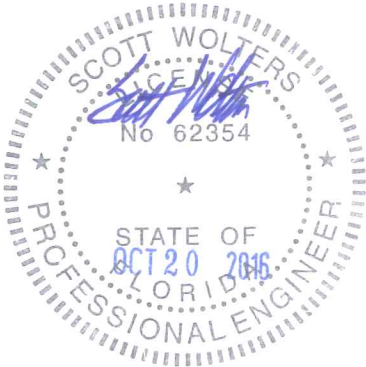
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

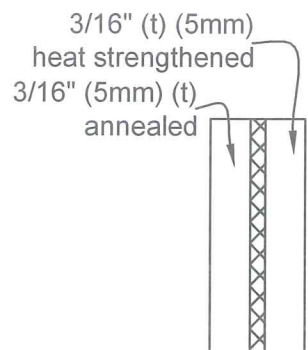
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 4/10

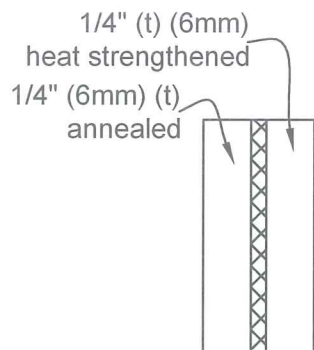
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



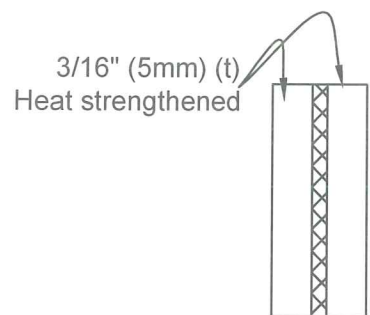
GLAZING OPTIONS



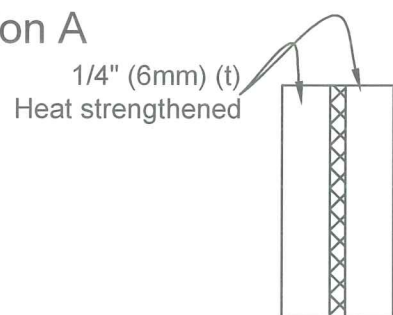
Option A



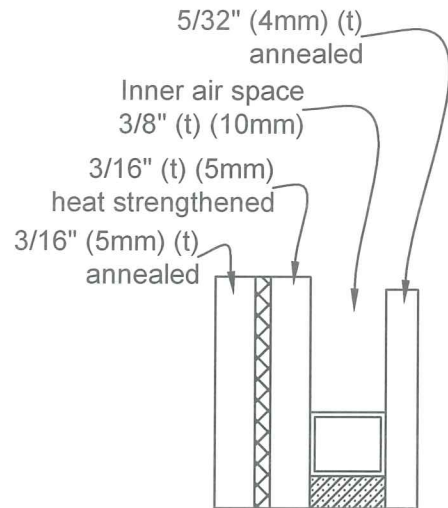
Option B



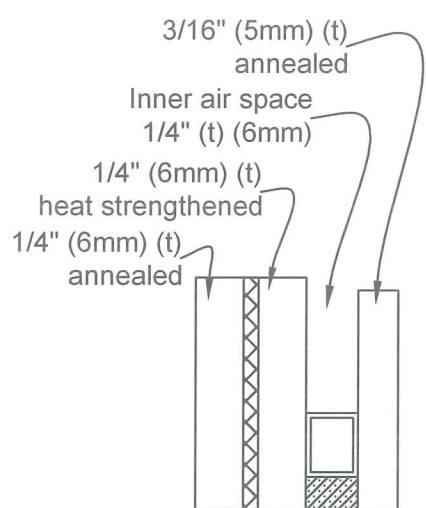
Option C



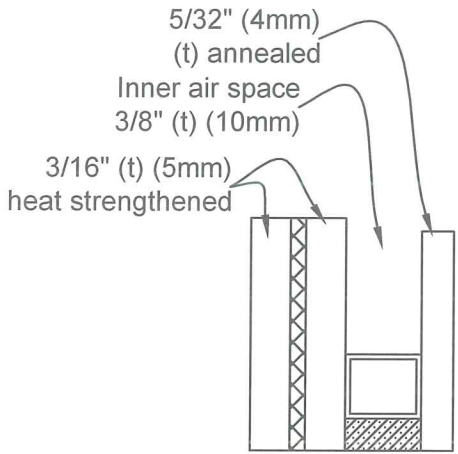
Option D



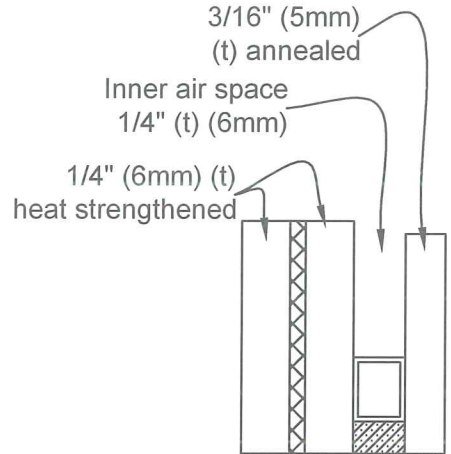
Option A1



Option B1



Option C1



Option D1

TABLE 1: ALLOWABLE DESIGN PRESSURE ACCORDING TO FRAME DIMENSIONS

Max. Frame Short Dim. (in.)	Max. Frame Long Dim. (in.)	Allowable Pressure (psf)							
		w / Non-IG glazing				w / IG glazing			
		Glass Option A	Glass Option B	Glass Option C	Glass Option D	Glass Option A1	Glass Option B1	Glass Option C1	Glass Option D1
30	30	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	36	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	42	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	48	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	72	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	78	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	84	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	90	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	96	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	102	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	108	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	114	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	120	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -83.6	+65 / -85	+65 / -85	+65 / -85
	126	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -84	+65 / -85	+65 / -85	+65 / -85
	132	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -84	+65 / -85	+65 / -85	+65 / -85
	138	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -83.2	+65 / -85	+65 / -85	+65 / -85
	144	+65 / -84.6	+65 / -85	+65 / -85	+65 / -85	+65 / -81.7	+65 / -85	+65 / -85	+65 / -85
36	36	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	42	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	48	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	72	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	78	+65 / -84.8	+65 / -85	+65 / -85	+65 / -85	+65 / -81.9	+65 / -85	+65 / -85	+65 / -85
	84	+65 / -80.9	+65 / -85	+65 / -85	+65 / -85	+65 / -78.2	+65 / -85	+65 / -85	+65 / -85
	90	+65 / -76.3	+65 / -85	+65 / -85	+65 / -85	+65 / -73.8	+65 / -85	+65 / -85	+65 / -85
	96	+65 / -72.8	+65 / -85	+65 / -85	+65 / -85	+65 / -70.3	+65 / -85	+65 / -85	+65 / -85
	102	+65 / -70	+65 / -85	+65 / -85	+65 / -85	+65 / -67.3	+65 / -85	+65 / -85	+65 / -85
	108	+65 / -67.7	+65 / -85	+65 / -85	+65 / -85	+65 / -65.5	+65 / -83.4	+65 / -85	+65 / -85
	114	+65 / -66	+65 / -85	+65 / -85	+65 / -85	+63.8 / -63.8	+65 / -81.6	+65 / -85	+65 / -85
	120	+64.6 / -64.6	+65 / -84.7	+65 / -85	+65 / -85	+62.4 / -62.4	+65 / -80.5	+65 / -85	+65 / -85
	126	+63.1 / -63.1	+65 / -83.5	+65 / -85	+65 / -85	+61 / -61	+65 / -79.4	+65 / -85	+65 / -85
	132	+62.4 / -62.4	+65 / -83.5	+65 / -85	+65 / -85	+60.3 / -60.3	+65 / -79.4	+65 / -85	+65 / -85
	138	+61.6 / -61.6	+65 / -83.1	+65 / -85	+65 / -85	+59.5 / -59.5	+65 / -79	+65 / -85	+65 / -85
	144	+61.1 / -61.1	+65 / -83.1	+65 / -85	+65 / -85	+59 / -59	+65 / -79	+65 / -85	+65 / -85



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES DIRECT GLAZED WOOD WINDOW - LMI

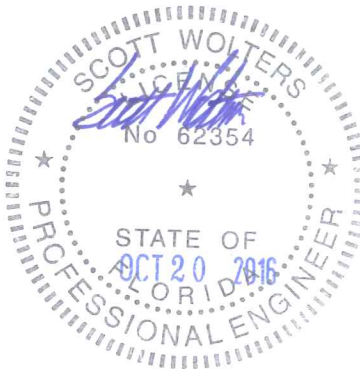
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

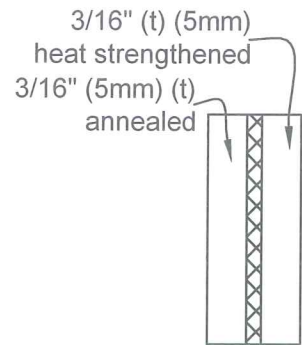
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 5/10

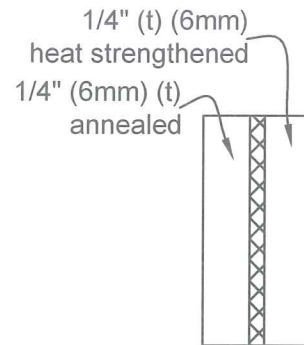
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



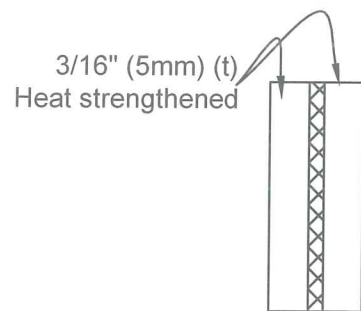
GLAZING OPTIONS



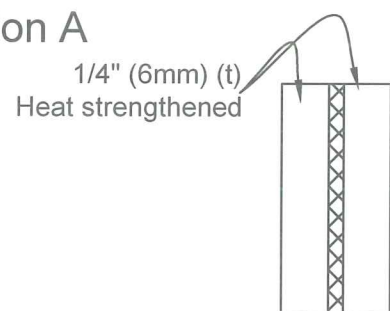
Option A



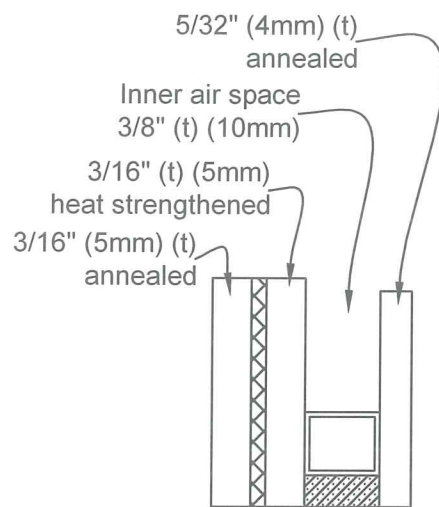
Option B



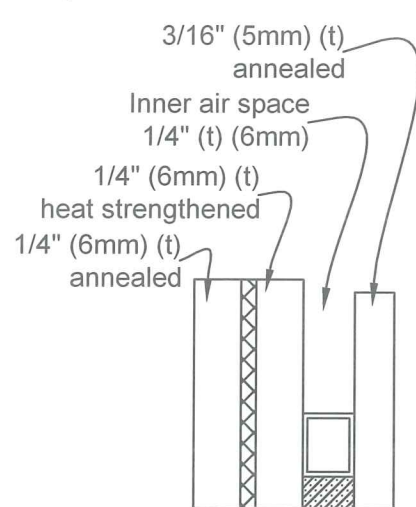
Option C



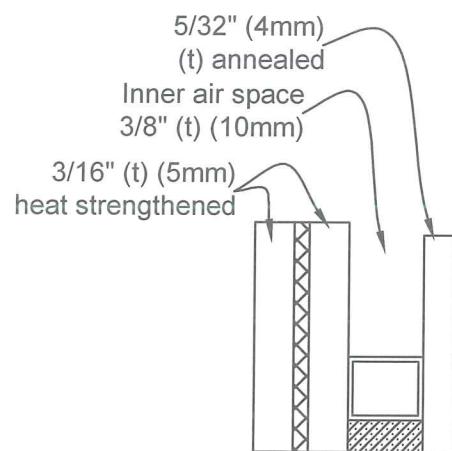
Option D



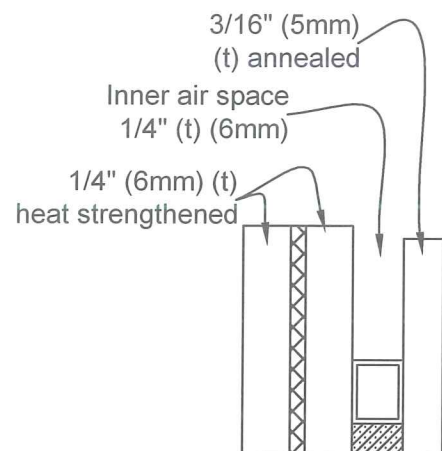
Option A1



Option B1



Option C1



Option D1

TABLE 1: ALLOWABLE DESIGN PRESSURE ACCORDING TO FRAME DIMENSIONS

Max. Frame Short Dim. (in.)	Max. Frame Long Dim. (in.)	Allowable Pressure (psf)							
		w / Non-IG glazing				w / IG glazing			
		Glass Option A	Glass Option B	Glass Option C	Glass Option D	Glass Option A1	Glass Option B1	Glass Option C1	Glass Option D1
42	42	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	48	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	72	+65 / -81.4	+65 / -85	+65 / -85	+65 / -85	+65 / -78.7	+65 / -85	+65 / -85	+65 / -85
	78	+65 / -76.4	+65 / -85	+65 / -85	+65 / -85	+65 / -73.8	+65 / -85	+65 / -85	+65 / -85
	84	+65 / -71.5	+65 / -85	+65 / -85	+65 / -85	+65 / -69.1	+65 / -85	+65 / -85	+65 / -85
	90	+65 / -66.4	+65 / -83.3	+65 / -85	+65 / -85	+64.1 / -64.1	+65 / -79.2	+65 / -85	+65 / -85
	96	+61.6 / -61.6	+65 / -79.9	+65 / -85	+65 / -85	+59.5 / -59.5	+65 / -76	+65 / -85	+65 / -85
	102	+58.3 / -58.3	+65 / -76.6	+65 / -85	+65 / -85	+56.3 / -56.3	+65 / -72.8	+65 / -85	+65 / -85
	108	+56 / -56	+65 / -73.6	+65 / -85	+65 / -85	+54.1 / -54.1	+65 / -70	+65 / -85	+65 / -85
	114	+53.9 / -53.9	+65 / -70.7	+65 / -85	+65 / -85	+52.1 / -52.1	+65 / -67.2	+65 / -85	+65 / -85
	120	+52.2 / -52.2	+65 / -68.7	+65 / -85	+65 / -85	+50.4 / -50.4	+65 / -65.3	+65 / -85	+65 / -85
	126	+50.9 / -50.9	+65 / -66.8	+65 / -85	+65 / -85	+49.2 / -49.2	+63.5 / -63.5	+65 / -85	+65 / -85
	132	+50.3 / -50.3	+65 / -65.8	+65 / -85	+65 / -85	+48.6 / -48.6	+62.6 / -62.6	+65 / -85	+65 / -85
48	138	+49.5 / -49.5	+64.5 / -64.5	+65 / -85	+65 / -85	+47.8 / -47.8	+61.3 / -61.3	+65 / -85	+65 / -85
	144	+49 / -49	+63.6 / -63.6	+65 / -85	+65 / -85	+47.3 / -47.3	+60.5 / -60.5	+65 / -85	+65 / -85
	48	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -81.4	+65 / -85	+65 / -85	+65 / -85	+65 / -78.7	+65 / -85	+65 / -85	+65 / -85
	72	+65 / -76.7	+65 / -85	+65 / -85	+65 / -85	+65 / -74.2	+65 / -85	+65 / -85	+65 / -85
	78	+65 / -71.2	+65 / -83.3	+65 / -85	+65 / -85	+65 / -68.8	+65 / -79.2	+65 / -85	+65 / -85
	84	+65 / -65.9	+65 / -79.3	+65 / -85	+65 / -85	+63.7 / -63.7	+65 / -75.4	+65 / -85	+65 / -85
	90	+60.3 / -60.3	+65 / -74.9	+65 / -85	+65 / -85	+58.3 / -58.3	+65 / -71.2	+65 / -85	+65 / -85
	96	+55.3 / -55.3	+65 / -71	+65 / -85	+65 / -85	+53.5 / -53.5	+65 / -67.5	+65 / -85	+65 / -85
	102	+51.8 / -51.8	+65 / -67.1	+65 / -85	+65 / -85	+50.1 / -50.1	+63.8 / -63.8	+65 / -85	+65 / -85
	108	+50 / -50	+63.2 / -63.2	+65 / -85	+65 / -85	+48.3 / -48.3	+60.1 / -60.1	+65 / -85	+65 / -85
	114	+48 / -48	+60.2 / -60.2	+65 / -85	+65 / -85	+46.4 / -46.4	+57.3 / -57.3	+65 / -85	+65 / -85
	120	+46.4 / -46.4	+58.2 / -58.2	+65 / -85	+65 / -85	+44.8 / -44.8	+55.3 / -55.3	+65 / -85	+65 / -85
	126	+44.7 / -44.7	+56.7 / -56.7	+65 / -85	+65 / -85	+43.2 / -43.2	+53.9 / -53.9	+65 / -85	+65 / -85
	132	+43 / -43	+55.2 / -55.2	+65 / -85	+65 / -85	+41.5 / -41.5	+52.5 / -52.5	+65 / -85	+65 / -85
	138	+41.1 / -41.1	+53.4 / -53.4	+65 / -82.2	+65 / -85	+39.7 / -39.7	+50.8 / -50.8	+65 / -83.9	+65 / -85
	144	+39.8 / -39.8	+52 / -52	+65 / -79.7	+65 / -85	+38.5 / -38.5	+49.4 / -49.4	+65 / -81.3	+65 / -85



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES DIRECT GLAZED WOOD WINDOW - LMI

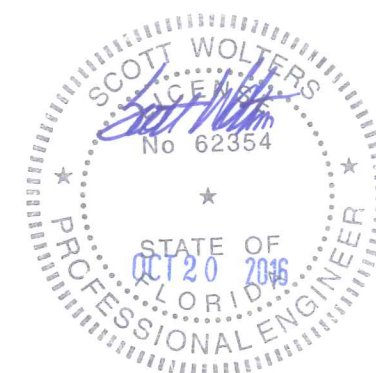
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

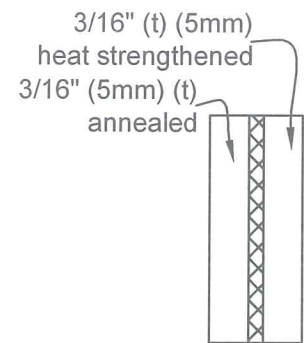
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 6/10

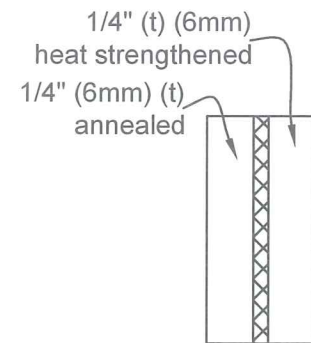
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



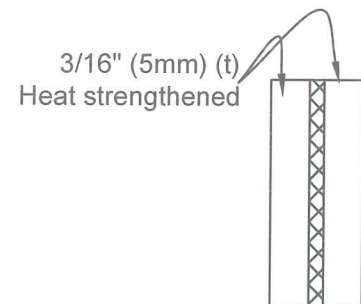
GLAZING OPTIONS



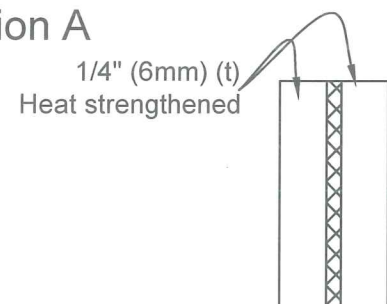
Option A



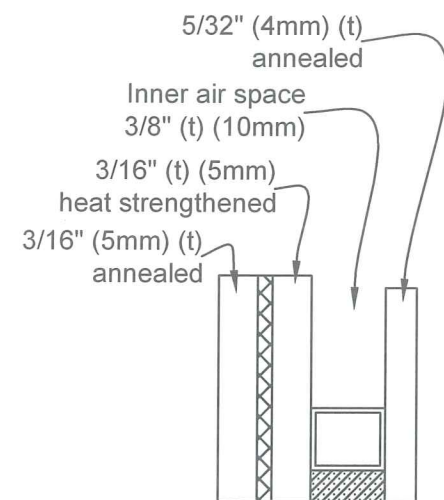
Option B



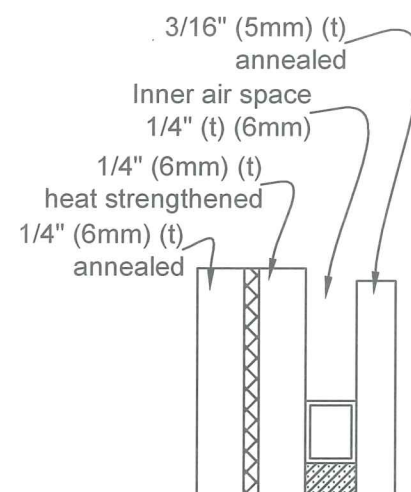
Option C



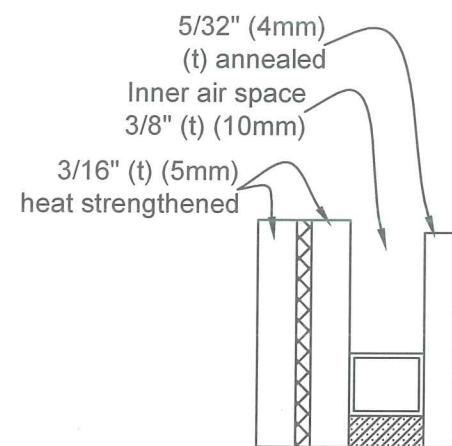
Option D



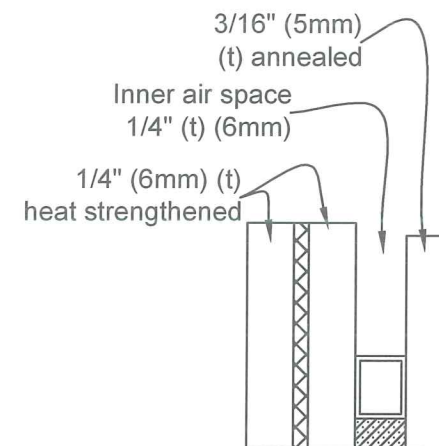
Option A1



Option B1



Option C1



Option D1

TABLE 1: ALLOWABLE DESIGN PRESSURE ACCORDING TO FRAME DIMENSIONS

Max. Frame Short Dim. (in.)	Max. Frame Long Dim. (in.)	Allowable Pressure (psf)							
		w / Non-IG glazing				w / IG glazing			
		Glass Option A	Glass Option B	Glass Option C	Glass Option D	Glass Option A1	Glass Option B1	Glass Option C1	Glass Option D1
54	54	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85	+65 / -85
	60	+65 / -82.7	+65 / -85	+65 / -85	+65 / -85	+65 / -79.9	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -76.3	+65 / -85	+65 / -85	+65 / -85	+65 / -73.7	+65 / -84.7	+65 / -85	+65 / -85
	72	+65 / -71.1	+65 / -81.9	+65 / -85	+65 / -85	+65 / -68.7	+65 / -77.9	+65 / -85	+65 / -85
	78	+65 / -66.3	+65 / -77.5	+65 / -85	+65 / -85	+64.1 / -64.1	+65 / -73.7	+65 / -85	+65 / -85
	84	+61.4 / -61.4	+65 / -73.3	+65 / -85	+65 / -85	+59.3 / -59.3	+65 / -69.7	+65 / -85	+65 / -85
	90	+56 / -56	+65 / -68.4	+65 / -85	+65 / -85	+54.1 / -54.1	+65 / -65	+65 / -85	+65 / -85
	96	+51.4 / -51.4	+64 / -64	+65 / -85	+65 / -85	+49.7 / -49.7	+60.9 / -60.9	+65 / -85	+65 / -85
	102	+48.6 / -48.6	+60.3 / -60.3	+65 / -85	+65 / -85	+47 / -47	+57.3 / -57.3	+65 / -85	+65 / -85
	108	+45.9 / -45.9	+56.8 / -56.8	+65 / -85	+65 / -85	+44.4 / -44.4	+54 / -54	+65 / -85	+65 / -85
	114	+43.7 / -43.7	+53.7 / -53.7	+65 / -85	+65 / -85	+42.3 / -42.3	+51.1 / -51.1	+65 / -85	+65 / -85
	120	+41.9 / -41.9	+51.6 / -51.6	+65 / -83.8	+65 / -85	+40.5 / -40.5	+49.1 / -49.1	+65 / -85	+65 / -85
	126	+40.4 / -40.4	+50 / -50	+65 / -80.7	+65 / -85	+39 / -39	+47.6 / -47.6	+65 / -82.3	+65 / -85
	132	+38.7 / -38.7	+48.4 / -48.4	+65 / -77.3	+65 / -85	+37.3 / -37.3	+46 / -46	+65 / -78.8	+65 / -85
	138	+36.7 / -36.7	+46.7 / -46.7	+65 / -73.4	+65 / -82.1	+35.5 / -35.5	+44.4 / -44.4	+65 / -74.8	+65 / -82.1
60	144	+35.3 / -35.3	+45.3 / -45.3	+65 / -70.6	+65 / -77.5	+34.1 / -34.1	+43 / -43	+65 / -72	+65 / -77.5
	60	+65 / -78.6	+65 / -85	+65 / -85	+65 / -85	+65 / -76	+65 / -85	+65 / -85	+65 / -85
	66	+65 / -71.7	+65 / -82.4	+65 / -85	+65 / -85	+65 / -69.3	+65 / -78.3	+65 / -85	+65 / -85
	72	+65 / -66	+65 / -77.3	+65 / -85	+65 / -85	+63.7 / -63.7	+65 / -73.5	+65 / -85	+65 / -85
	78	+61.1 / -61.1	+65 / -72.5	+65 / -85	+65 / -85	+59 / -59	+65 / -69	+65 / -85	+65 / -85
	84	+57 / -57	+65 / -68	+65 / -85	+65 / -85	+55.1 / -55.1	+64.7 / -64.7	+65 / -85	+65 / -85
	90	+52.7 / -52.7	+63.2 / -63.2	+65 / -85	+65 / -85	+50.9 / -50.9	+60.1 / -60.1	+65 / -85	+65 / -85
	96	+49.3 / -49.3	+59.3 / -59.3	+65 / -85	+65 / -85	+47.6 / -47.6	+56.4 / -56.4	+65 / -85	+65 / -85
	102	+46.3 / -46.3	+55.5 / -55.5	+65 / -85	+65 / -85	+44.7 / -44.7	+52.8 / -52.8	+65 / -85	+65 / -85
	108	+43.4 / -43.4	+51.9 / -51.9	+65 / -85	+65 / -85	+41.9 / -41.9	+49.4 / -49.4	+65 / -85	+65 / -85
	114	+40.9 / -40.9	+49.4 / -49.4	+65 / -81.8	+65 / -85	+39.5 / -39.5	+46.9 / -46.9	+65 / -83.4	+65 / -85
	120	+39.2 / -39.2	+47 / -47	+65 / -78.3	+65 / -85	+37.8 / -37.8	+44.7 / -44.7	+65 / -79.9	+65 / -85
	126	+37.5 / -37.5	+45.2 / -45.2	+65 / -75.1	+65 / -85	+36.3 / -36.3	+42.9 / -42.9	+65 / -76.6	+65 / -85
	130	+36.4 / -36.4	+43.9 / -43.9	+65 / -72.8	+65 / -82	+35.2 / -35.2	+41.8 / -41.8	+65 / -74.2	+65 / -82



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

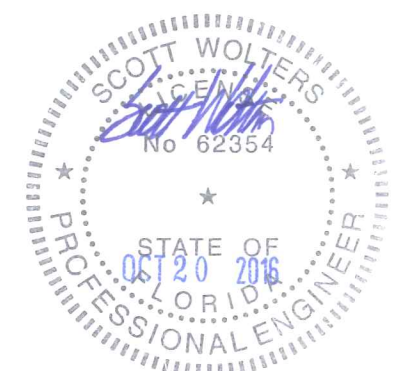
Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

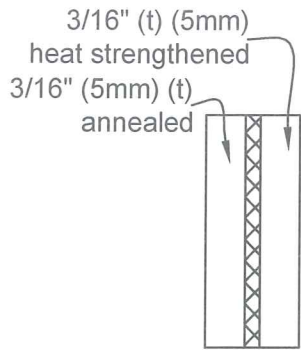
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 7/10

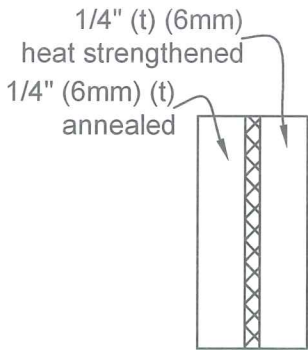
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



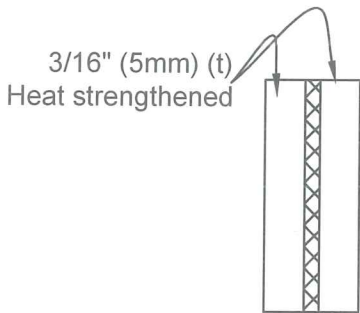
GLAZING OPTIONS



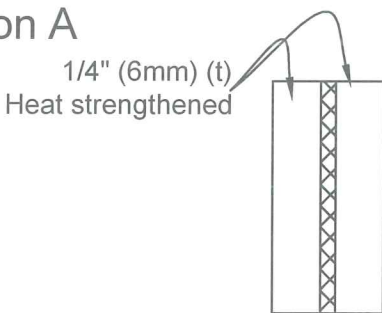
Option A



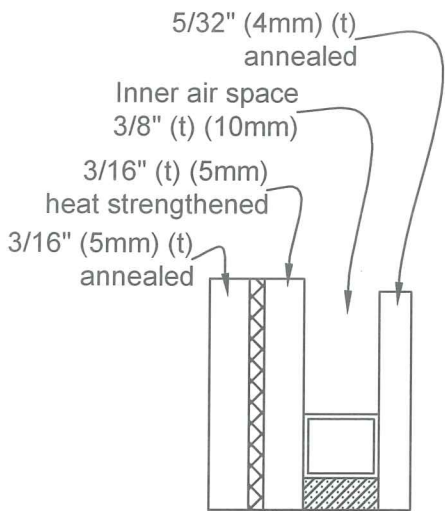
Option B



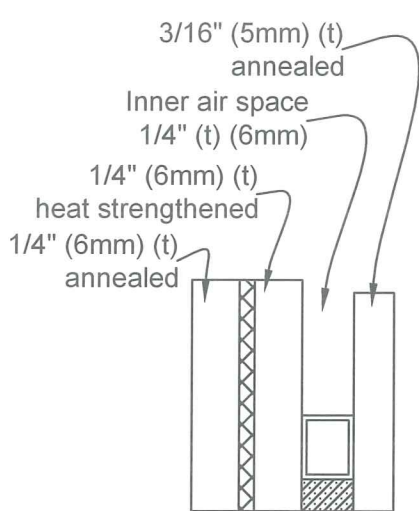
Option C



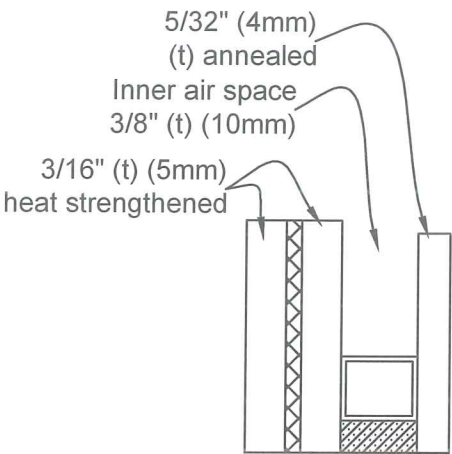
Option D



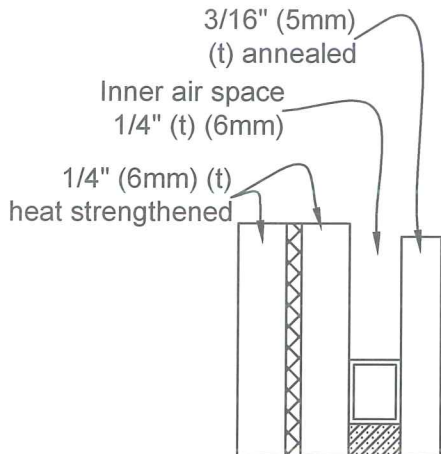
Option A1



Option B1



Option C1



Option D1

TABLE 1: ALLOWABLE DESIGN PRESSURE ACCORDING TO FRAME DIMENSIONS

Max. Frame Short Dim. (in.)	Max. Frame Long Dim. (in.)	Allowable Pressure (psf)							
		w / Non-IG glazing				w / IG glazing			
		Glass Option A	Glass Option B	Glass Option C	Glass Option D	Glass Option A1	Glass Option B1	Glass Option C1	Glass Option D1
66	66	+65 / -67.5	+65 / -78.7	+65 / -79.5	+65 / -79.5	+65 / -65.2	+65 / -74.9	+65 / -79.5	+65 / -79.5
	72	+61.6 / -61.6	+65 / -73.3	+65 / -79.5	+65 / -79.5	+59.5 / -59.5	+65 / -69.7	+65 / -79.5	+65 / -79.5
	78	+57.1 / -57.1	+65 / -68.2	+65 / -79.5	+65 / -79.5	+55.2 / -55.2	+64.8 / -64.8	+65 / -79.5	+65 / -79.5
	84	+52.7 / -52.7	+63.2 / -63.2	+65 / -79.5	+65 / -79.5	+51 / -51	+60.1 / -60.1	+65 / -79.5	+65 / -79.5
	90	+49.5 / -49.5	+59.1 / -59.1	+65 / -79.5	+65 / -79.5	+47.9 / -47.9	+56.2 / -56.2	+65 / -79.5	+65 / -79.5
	96	+47 / -47	+55.5 / -55.5	+65 / -79.5	+65 / -79.5	+45.4 / -45.4	+52.7 / -52.7	+65 / -79.5	+65 / -79.5
	102	+44.2 / -44.2	+51.9 / -51.9	+65 / -79.5	+65 / -79.5	+42.7 / -42.7	+49.3 / -49.3	+65 / -79.5	+65 / -79.5
	108	+41.4 / -41.4	+49.5 / -49.5	+65 / -79.5	+65 / -79.5	+40 / -40	+47.1 / -47.1	+65 / -79.5	+65 / -79.5
	114	+39.3 / -39.3	+46.8 / -46.8	+65 / -78.5	+65 / -79.5	+37.9 / -37.9	+44.5 / -44.5	+65 / -79.5	+65 / -79.5
	118	+38 / -38	+45.2 / -45.2	+65 / -76.1	+65 / -79.5	+36.8 / -36.8	+43 / -43	+65 / -77.6	+65 / -79.5
72	72	+58.5 / -58.5	+65 / -67	+65 / -67	+65 / -67	+56.5 / -56.5	+65 / -66.4	+65 / -67	+65 / -67
	78	+53.7 / -53.7	+64.3 / -64.3	+65 / -67	+65 / -67	+51.8 / -51.8	+61.1 / -61.1	+65 / -67	+65 / -67
	84	+50.1 / -50.1	+60 / -60	+65 / -67	+65 / -67	+48.4 / -48.4	+57 / -57	+65 / -67	+65 / -67
	90	+46.9 / -46.9	+55.7 / -55.7	+65 / -67	+65 / -67	+45.3 / -45.3	+53 / -53	+65 / -67	+65 / -67
	96	+44.2 / -44.2	+52 / -52	+65 / -67	+65 / -67	+42.7 / -42.7	+49.5 / -49.5	+65 / -67	+65 / -67
	102	+41.6 / -41.6	+49.7 / -49.7	+65 / -67	+65 / -67	+40.2 / -40.2	+47.2 / -47.2	+65 / -67	+65 / -67
	108	+40.1 / -40.1	+47.6 / -47.6	+65 / -67	+65 / -67	+38.7 / -38.7	+45.2 / -45.2	+65 / -67	+65 / -67
78	78	+51.2 / -51.2	+57.1 / -57.1	+57.1 / -57.1	+57.1 / -57.1	+49.4 / -49.4	+57.1 / -57.1	+57.1 / -57.1	+57.1 / -57.1
	84	+47.9 / -47.9	+57.1 / -57.1	+57.1 / -57.1	+57.1 / -57.1	+46.3 / -46.3	+54.6 / -54.6	+57.1 / -57.1	+57.1 / -57.1
	90	+44.5 / -44.5	+52.9 / -52.9	+57.1 / -57.1	+57.1 / -57.1	+43 / -43	+50.3 / -50.3	+57.1 / -57.1	+57.1 / -57.1
	96	+41.6 / -41.6	+49.9 / -49.9	+57.1 / -57.1	+57.1 / -57.1	+40.2 / -40.2	+47.5 / -47.5	+57.1 / -57.1	+57.1 / -57.1
	100	+40.4 / -40.4	+48.2 / -48.2	+57.1 / -57.1	+57.1 / -57.1	+39.1 / -39.1	+45.8 / -45.8	+57.1 / -57.1	+57.1 / -57.1
84	84	+45.2 / -45.2	+49.2 / -49.2	+49.2 / -49.2	+49.2 / -49.2	+44.4 / -44.4	+49.2 / -49.2	+49.2 / -49.2	+49.2 / -49.2
	90	+42.3 / -42.3	+49.2 / -49.2	+49.2 / -49.2	+49.2 / -49.2	+40.9 / -40.9	+48.4 / -48.4	+49.2 / -49.2	+49.2 / -49.2
	93	+41.2 / -41.2	+49.2 / -49.2	+49.2 / -49.2	+49.2 / -49.2	+39.8 / -39.8	+47.1 / -47.1	+49.2 / -49.2	+49.2 / -49.2



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

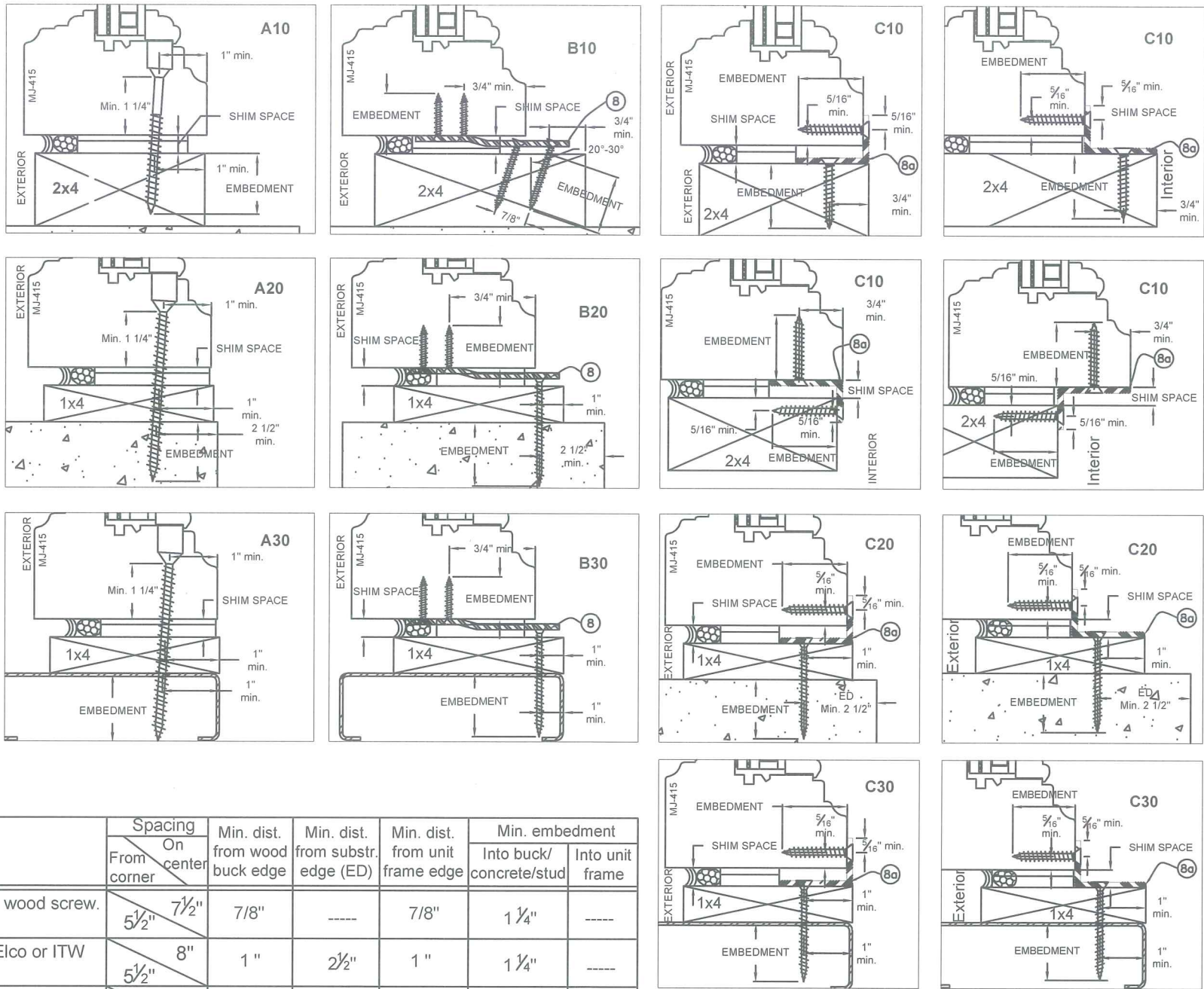
Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 8/10

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



INSTALLATION DETAILS



Anchoring method	Substrate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing	Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
				From corner				Into buck/concrete/stud	Into unit frame
Direct anchor (shear screws)	2x_ wood buck	A10 4 sides	Through the unit frame into the buck frame: (1) #14 x 2 3/4" wood screw.	5 1/2" / 7 1/2"	7/8"	----	7/8"	1 1/4"	----
	1x_ wood buck	A20 4 sides	Through the buck frame into the masonry: (1) 1/4" x 2 3/4" Elco or ITW Tapcon screw.	5 1/2" / 8"	1 "	2 1/2"	1 "	1 1/4"	----
		A30 4 sides	Through the buck frame into the metal stud (18 ga, 45 ksi min): (1) 1/4" x 2 3/4" Elco Dril-flex or ITW Tek screws.	5 1/2" / 8"	1 "	1 "	1 "	Full*	----
PDF-FS-05/D Installation bracket	2x_ wood buck	B10 4 sides	To the buck frame: (2) #12 X 1 1/2" all threaded (a.T.) wood screws. Into the unit frame: (2) # 10 x 1" a.T. wood screws.	5 1/2" / 10"	3/4"	----	3/4"	1 1/4"	7/8"
	1x_ wood buck	B20 4 sides	Through the buck frame into the masonry: (1) 1/4" x 2 3/4" Elco or ITW Tapcon screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5 1/2" / 12"	1 "	2 1/2"	3/4"	1 1/4"	7/8"
		B30 4 sides	Through the buck frame into the metal stud (18 ga, 45 ksi min): (1) 1/4" x 2 3/4" Elco Dril-flex or ITW Tek screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5 1/2" / 12"	1 "	1 "	3/4"	Full*	7/8"
Continuous aluminum angle (At sill only)	Window Frame	C10 sill	Into the Window Frame: (1) #12 x1 1/2" a. T. wood screw.	5 1/2" / 7 1/2"	----	----	3/4"	----	1 1/4"
	2x_ wood buck	C10 sill	To the buck frame: (1) #12 x1 1/2" a. T. wood screw.	5 1/2" / 8"	3/4"	----	3/4"	1 1/4"	1 1/4"
	1x_ wood buck	C20 sill	Into the f'c= 3320 psi. concrete: 1/4" x 2 3/4" Elco or ITW Tapcon screw.	5 1/2" / 10"	1 "	2 1/2"	----	1 1/4"	----
		C30 sill	Through the buck frame into the metal stud (18 ga, 45 ksi min): 1/4" x 2 3/4" Elco Dril-flex or ITW Tek screw. Into the unit sill: (1) #12 x1 1/2".	5 1/2" / 10"	1 "	1 "	----	Full*	----

* At metal studs, fastener threads must be fully engaged, with three threads minimum beyond the stud wall, for full embedment.



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

Drawing no.: JS-5-DS

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 04/05/06
Date revised: 10/19/16

File: JS-5-DS-dwg
Page: 9/10

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

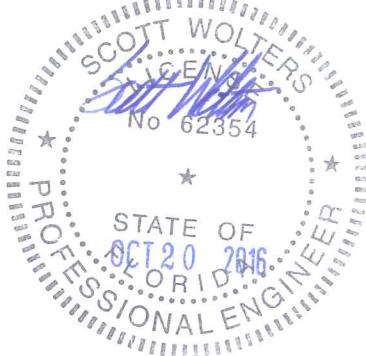
GENERAL INSTALLATION NOTES

All PDF-FS-05D Installation brackets screwed to the window frame using (2) #10 x 1" all threaded wood screws w/ 7/8" min. embedment.

Spacing: All fasteners spacing is 5 1/2" from corners and o/c as specified in ANCHORING REQUIREMENTS TABLE on this sheet.

Shim Space: 3/8" MAX. @ head, jambs & sill. Use std shims behind as required.

Installation @ head & jambs identical to sill shown. Inst. brackets & angles may be positioned at interior or exterior side of the window.



Technical drawing of a window frame, labeled MJ-415. The drawing shows the frame's profile with dimensions in inches:

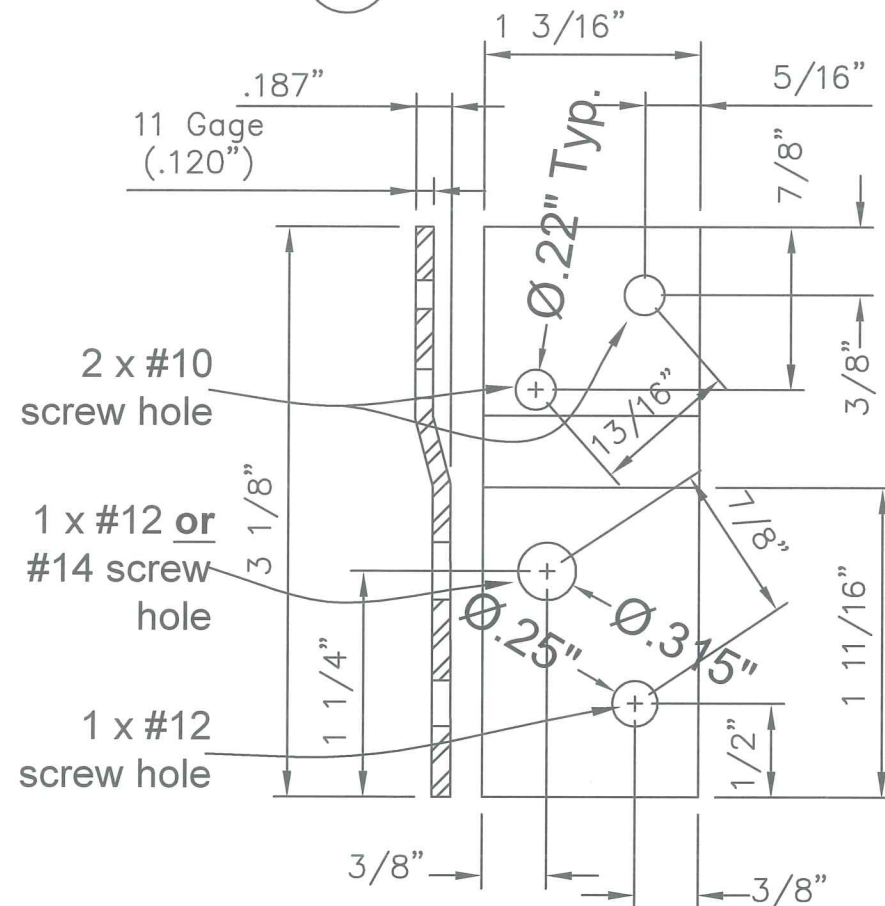
- Overall width: $2\frac{9}{16}$ "
- Overall height: $3\frac{3}{4}$ "
- Bottom width (excluding decorative element): $1\frac{15}{16}$ "
- Left side depth: $\frac{5}{16}$ "

The frame features a decorative, stepped profile on the left side and a small, curved decorative element at the bottom right corner.

Technical drawing of a bracket showing dimensions and hole specifications:

- #12 screw hole .25" Dia.
- #12 or 1/4" screw hole .25" or .315" Dia.
- 1 1/2"
- 5/16" Min.
- 1"
- 3/4"
- 1/8"

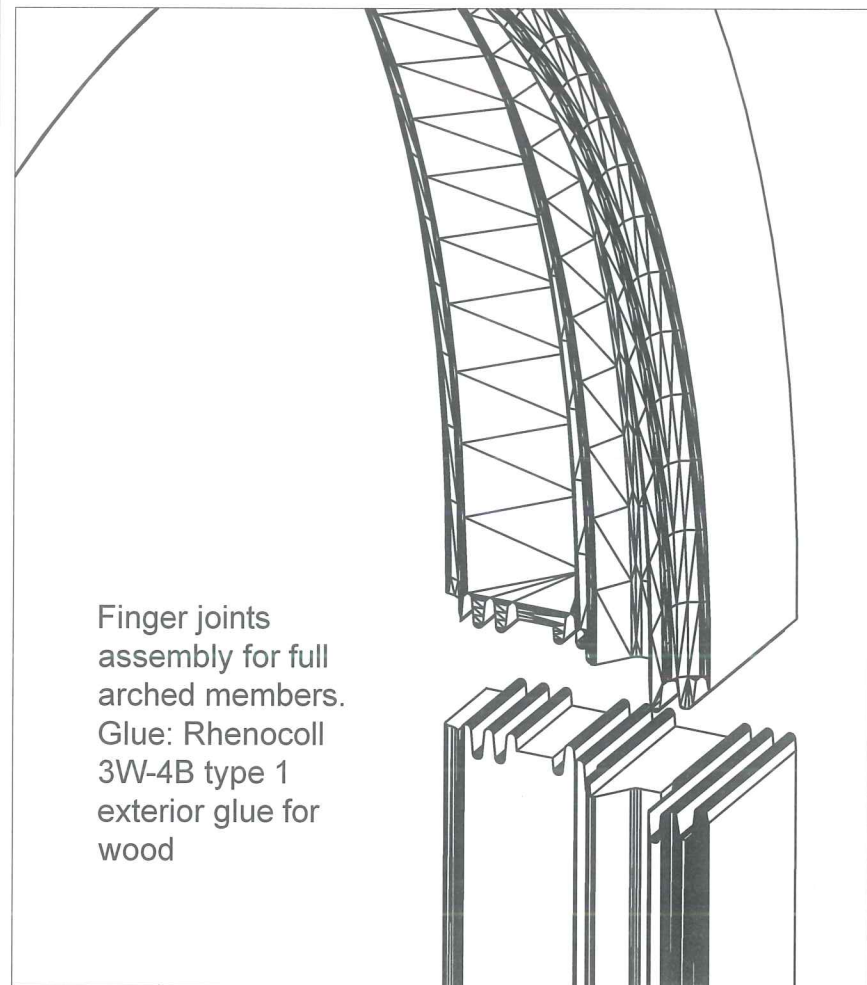
8d ALUMINUM INSTALLATION ANGLE



8 PDF-FS-05/D INSTALLATION BRACKET

Frame rails and
stiles: 2 x 7/16" x 2
3/4" wood dowels.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood

Frame rails and
stiles: 2 x 7/16" x 2
3/4" wood dowels.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood



Finger joints
assembly for full
arched members.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood



JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

Drawing: JS-5-DS	Sheet: 10/10
---------------------	-----------------

Scale: NTS	Drawn by: S. Marcotte
---------------	--------------------------

Rev	Date	Notes
	4/5/06	Original Submittal
1	1/4/07	2007 Code Update
2	5/10/12	2010 Code Update
3	10/19/16	2014 Code Update

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



Technical drawing of a window frame, labeled MJ-415. The drawing shows the frame's profile with dimensions in inches:

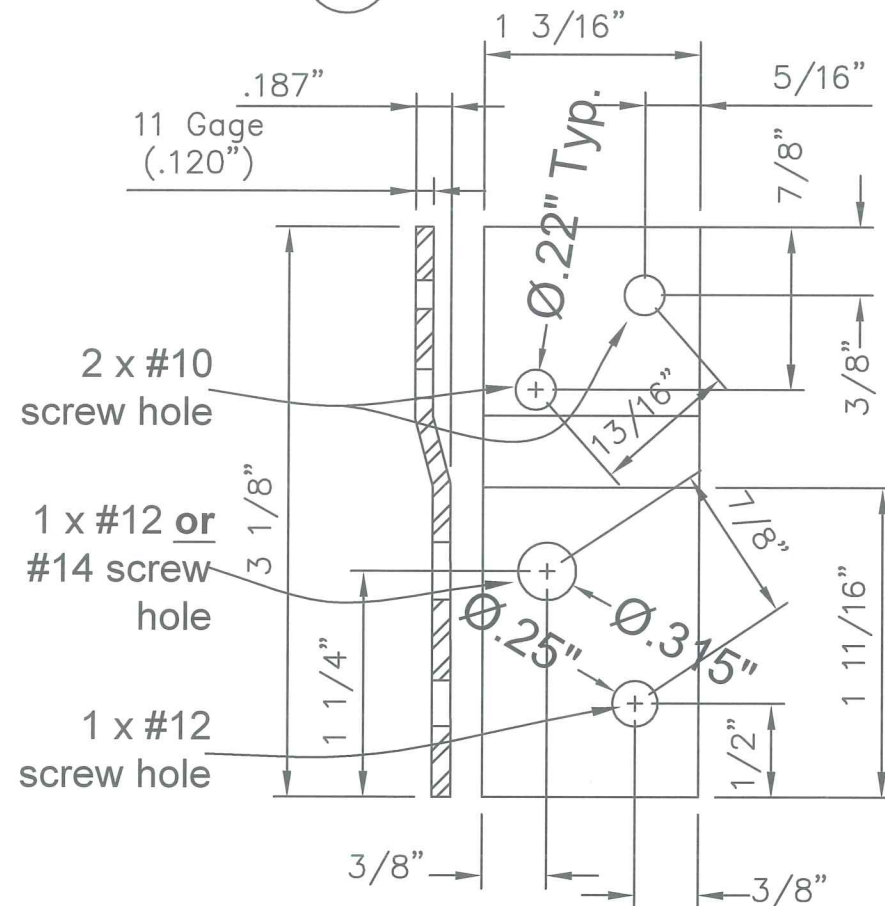
- Overall width: $2\frac{9}{16}$ "
- Overall height: $3\frac{3}{4}$ "
- Bottom width (excluding decorative element): $1\frac{15}{16}$ "
- Left side depth: $\frac{5}{16}$ "

The frame features a decorative, stepped profile on the left side and a small, curved decorative element at the bottom right corner.

Technical drawing of a bracket showing dimensions and hole specifications:

- #12 screw hole .25" Dia.
- #12 or 1/4" screw hole .25" or .315" Dia.
- 1 1/2"
- 5/16" Min.
- 1"
- 3/4"
- 1/8"

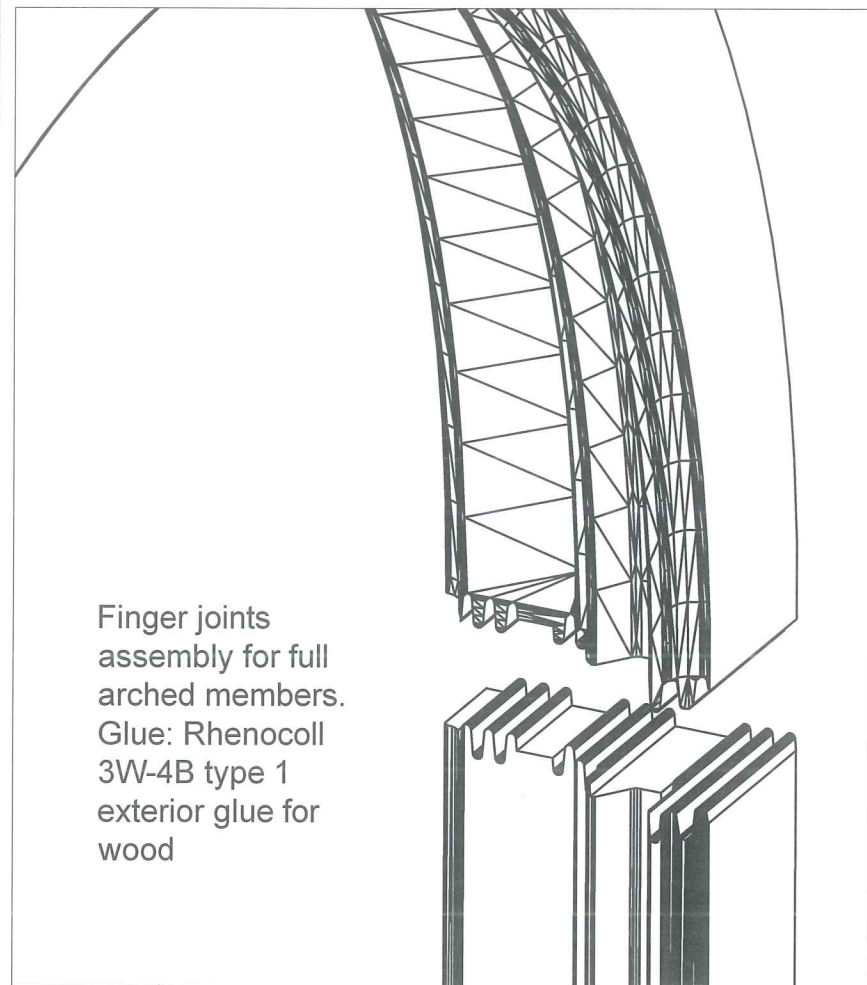
8d ALUMINUM INSTALLATION ANGLE



8 PDF-FS-05/D INSTALLATION BRACKET

Frame rails and
stiles: 2 x 7/16" x 2
3/4" wood dowels.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood

Frame rails and
stiles: 2 x 7/16" x 2
3/4" wood dowels.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood



Finger joints
assembly for full
arched members.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood



JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

Drawing: JS-5-DS	Sheet: 10/10
---------------------	-----------------

Scale: NTS	Drawn by: S. Marcotte
---------------	--------------------------

Rev	Date	Notes
	4/5/06	Original Submittal
1	1/4/07	2007 Code Update
2	5/10/12	2010 Code Update
3	10/19/16	2014 Code Update

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412



Technical drawing of a window frame, labeled MJ-415. The drawing shows the frame's profile with dimensions in inches:

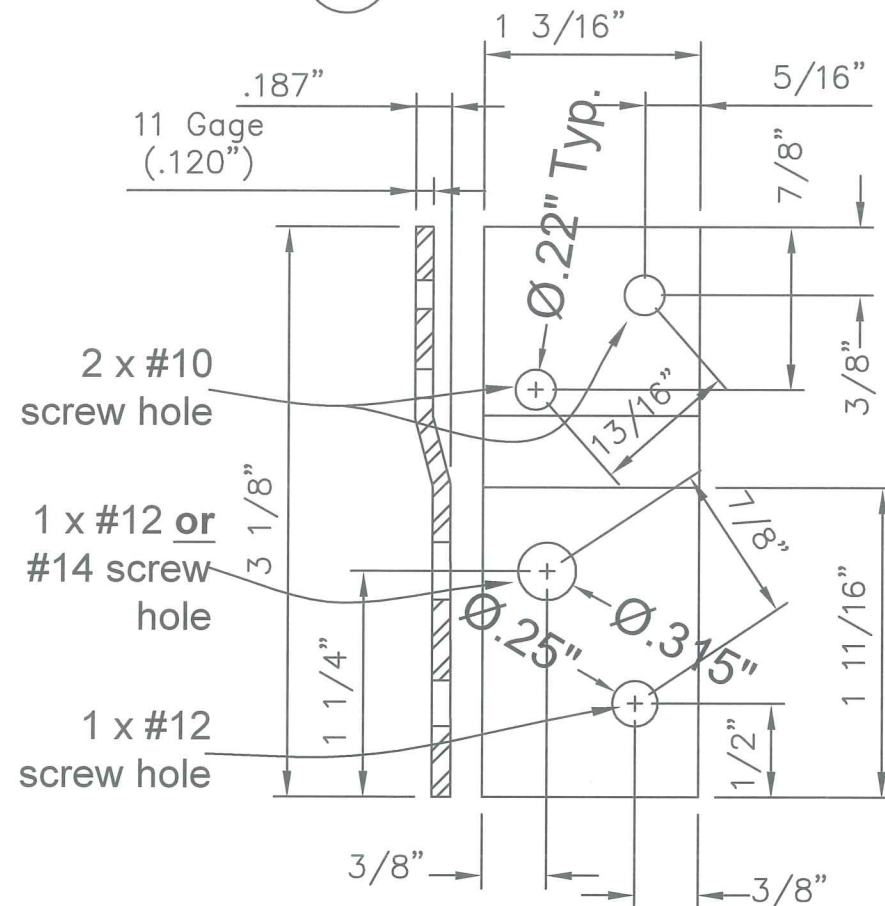
- Overall width: $2\frac{9}{16}$ "
- Overall height: $3\frac{3}{4}$ "
- Bottom width (excluding decorative element): $1\frac{15}{16}$ "
- Left side depth: $\frac{5}{16}$ "

The frame features a decorative, stepped profile on the left side and a small, curved decorative element at the bottom right corner.

Technical drawing of a bracket showing dimensions and hole specifications:

- #12 screw hole .25" Dia.
- #12 or 1/4" screw hole .25" or .315" Dia.
- 1 1/2"
- 5/16" Min.
- 1"
- 3/4"
- 1/8"

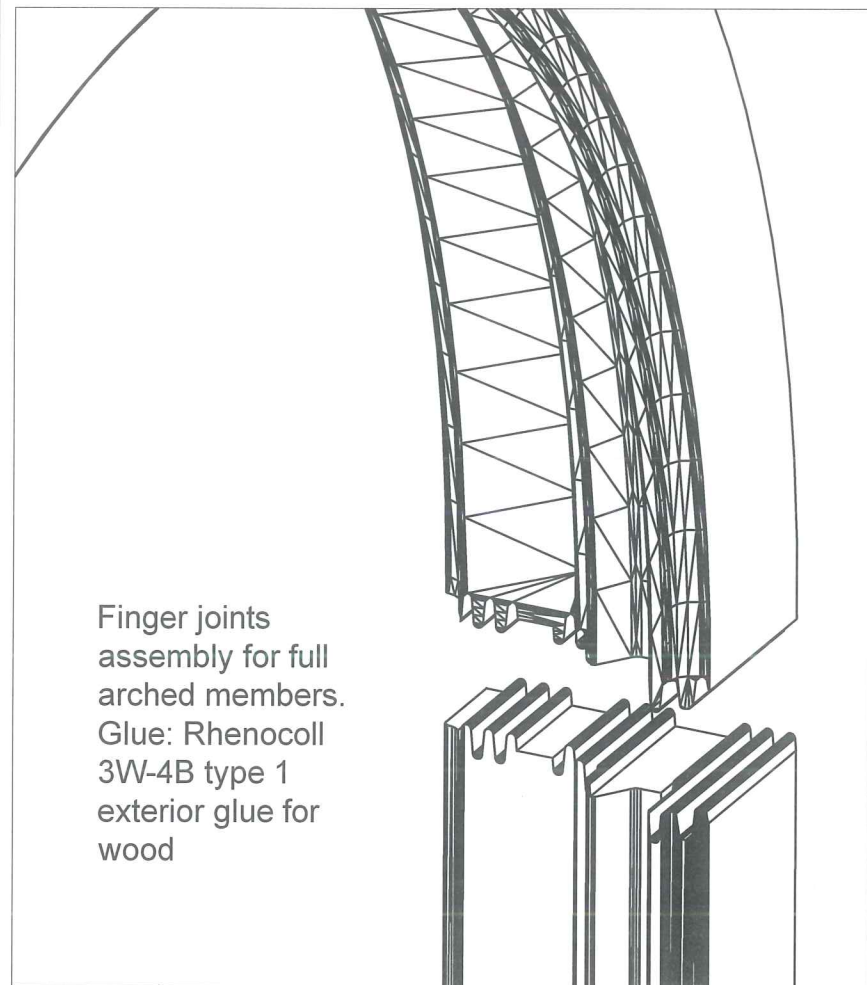
8d ALUMINUM INSTALLATION ANGLE



8 PDF-FS-05/D INSTALLATION BRACKET

Frame rails and
stiles: 2 x 7/16" x 2
3/4" wood dowels.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood

Frame rails and
stiles: 2 x 7/16" x 2
3/4" wood dowels.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood



Finger joints
assembly for full
arched members.
Glue: Rhenocoll
3W-4B type 1
exterior glue for
wood



JS SERIES
DIRECT GLAZED WOOD
WINDOW - LMI

Drawing: JS-5-DS	Sheet: 10/10
---------------------	-----------------

Scale: NTS	Drawn by: S. Marcotte
---------------	--------------------------

Rev	Date	Notes
	4/5/06	Original Submittal
1	1/4/07	2007 Code Update
2	5/10/12	2010 Code Update
3	10/19/16	2014 Code Update

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

