



**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

**Pella Corporation
102 Main Street
Pella, IA 50219**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Architect 850" Aluminum Clad Outswing Wood Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1729, titled "Series Architect 850 Series Out-Swing Aluminum Clad Wood Doors", sheets 1 through 10 of 10, dated 12/13/10, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1, evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon
1/20/11*

**NOA No. 10-1222.03
Expiration Date: February 10, 2016
Approval Date: February 10, 2011
Page 1**

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1729**, titled "Series Architect 850 Series Out-Swing Aluminum Clad Wood Doors", sheets 1 through 10 of 10, dated 12/13/10, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of outswing door, prepared by Stork Twin City Testing Corporation, Test Report No. **TCT 003842-P**, dated 09/21/2010, signed and sealed by Thomas A. Kolden. P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 12/15/10, signed and sealed by Warren W. Schaefer, P. E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

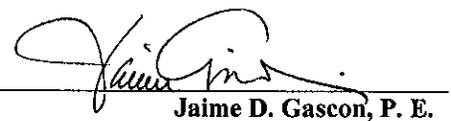
1. Notice of Acceptance No. **10-0922.09** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 12/24/10, expiring on 12/11/11.

F. STATEMENTS

1. Statement letter of compliance with the FBC 2007, dated December 15, 2010, signed and sealed by Warren W. Schaefer, P. E.
2. Laboratory compliance letter for Test Report No. **TCT 003842-P**, issued by Stork Twin City Testing Corporation, dated September 21, 2010, signed and sealed by Thomas A. Kolden, P. E.
3. Proposal No. **10-0609** issued by BCCO, dated July 06, 2010, signed by Jaime D. Gascon, P. E.

G. OTHERS

1. None.


Jaime D. Gascon, P. E.

Product Control Section Supervisor
NOA No. 10-1222.03
Expiration Date: February 10, 2016
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GENERAL NOTES:

- THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
- THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
- ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/SILL SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
STRIKE SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 3/16" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).			
(2) CMU IS APPLICABLE AT SIDES ONLY.			
(3) 2X6 BUCKS MAY BE RIPPED DOWN TO MIN. 4 1/2" DEPTH EXCEPT WHEN THE INSTALLATION CLIP CONDITION APPLIES.			

ALLOWABLE DESIGN PRESSURE (DOUBLE OPERABLE DOORS)

MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	DESIGN PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
119.5	75	50.0	50.0
	71.25	52.6	52.6
	66.25	55.0	56.6
	59.25	55.0	63.3
107.5	50	55.0	75.0
	75	55.0	55.6
	71.25	55.0	58.5
	66.25	55.0	62.9
95.5	59.25	55.0	70.4
	50	55.0	83.4
	75	70.0	70.0
	71.25	70.0	73.7
86.0	66.25	70.0	79.2
	59.25	70.0	85.0
	75	70.0	77.7
	71.25	70.0	81.8
81.5	66.25	70.0	85.0
	75	70.0	85.0

NOTE: SEE GLASS OPTION 2 GLASS VS. PRESSURE RESTRICTION WITH I.G. GLAZING DETAIL ON SHEET 5.

ALLOWABLE DESIGN PRESSURE (SINGLE OPERABLE DOORS)

MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	DESIGN PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
119.5	37.875	50.0	50.0
	36	52.6	52.6
	33.5	55.0	56.5
	30	55.0	63.1
107.5	25.375	55.0	74.6
	37.875	55.0	55.6
	36	55.0	58.5
	33.5	55.0	62.8
95.5	30	55.0	70.2
	25.375	55.0	83.0
	37.875	70.0	70.0
	36	70.0	73.6
86.0	33.5	70.0	79.1
	30	70.0	85.0
	37.875	70.0	77.7
	36	70.0	81.8
81.5	33.5	70.0	85.0
	37.875	70.0	85.0

NOTE: SEE GLASS OPTION 2 GLASS VS. PRESSURE RESTRICTION WITH I.G. GLAZING DETAIL ON SHEET 5.

HINGE REQUIREMENTS

MAX. FRAME HEIGHT	QUANTITY PER PANEL
119.5"	6
107.875"	5
99.375"	4
83.875"	3

HINGES ARE APPROX. 9.5" FROM HINGE CENTER TO THE TOP & BOTTOM OF THE DOOR FRAME & EQUALLY SPACED BETWEEN.

CORNER CONSTRUCTION:

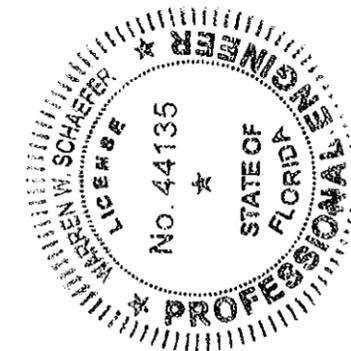
WOOD JAMBS: SIDE JAMBS ARE COPED & BUTTED TO HEAD & SILL AND SECURED WITH 2 NO. 8 X 3" WOOD SCREWS AT EACH HEAD CORNER AND 3 NO. 8 X 3" WOOD SCREWS AT EACH SILL CORNER.

JAMB CLADDING: CLADDING IS MITER CUT & JOINED AT HEAD WITH CORNER KEY & 2 NO. 10 X 17/32" SCREWS PER CORNER & BUTTED AT SILL AND JOINED WITH 2 NO. 10 X 3/4" SCREWS PER CORNER.

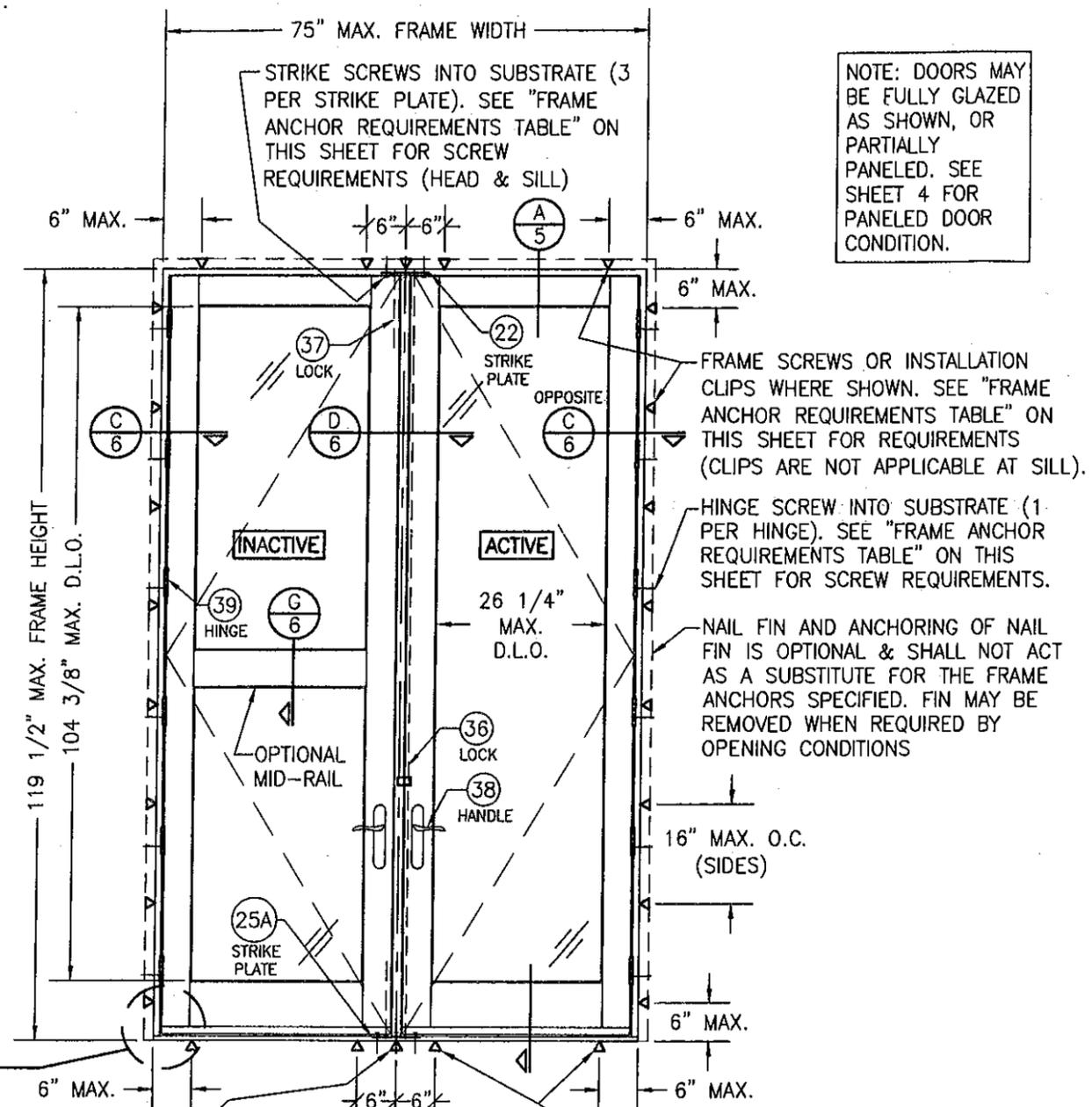
PANEL: RAILS ARE BUTTED TO STILES & JOINED WITH 2 NO. 12 X 4" SCREWS AT TOP RAIL & 3 NO. 12 X 4" SCREWS AT BOTTOM RAIL ON THE HINGE SIDE. ON THE LOCK SIDE, NO. 12 X 6" SCREWS ARE USED

EDGE DISTANCE MAY BE DECREASED TO 1/2" IF SCREWS ARE ANGLED 15 TO 20 DEGREES AWAY FROM THE EDGE.

Approved as complying with the Florida Building Code
 Date 02/10/2011
 NOA# 10-1222-03
 Miami Dade Product Control
 By *[Signature]*



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 12/13/10
DATE	
BY	
REVISION DESCRIPTION	
NO.	
ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 	
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION JAN 08 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1729	REV.
SHEET NO. 1 OF 10	

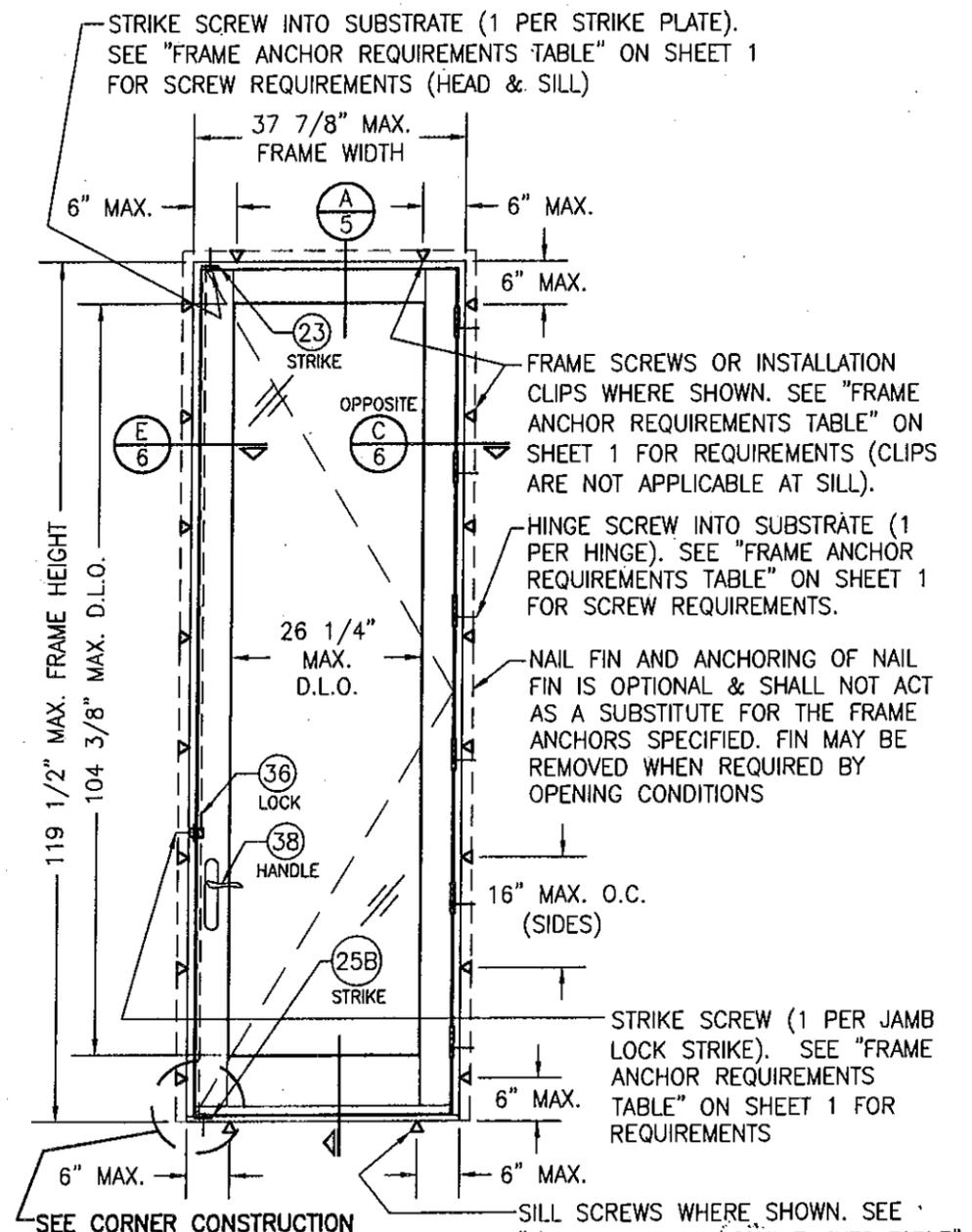


NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, OR PARTIALLY PANELED. SEE SHEET 4 FOR PANELED DOOR CONDITION.

**EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR**
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE
(DOUBLE OPERABLE DOOR)
SEE SHEET 1

CENTER FRAME/SILL SCREW IS ONLY REQUIRED WHEN JOB REQUIRED DESIGN PRESSURE IS GREATER THAN +/-50 PSF (TYP. HEAD & SILL)



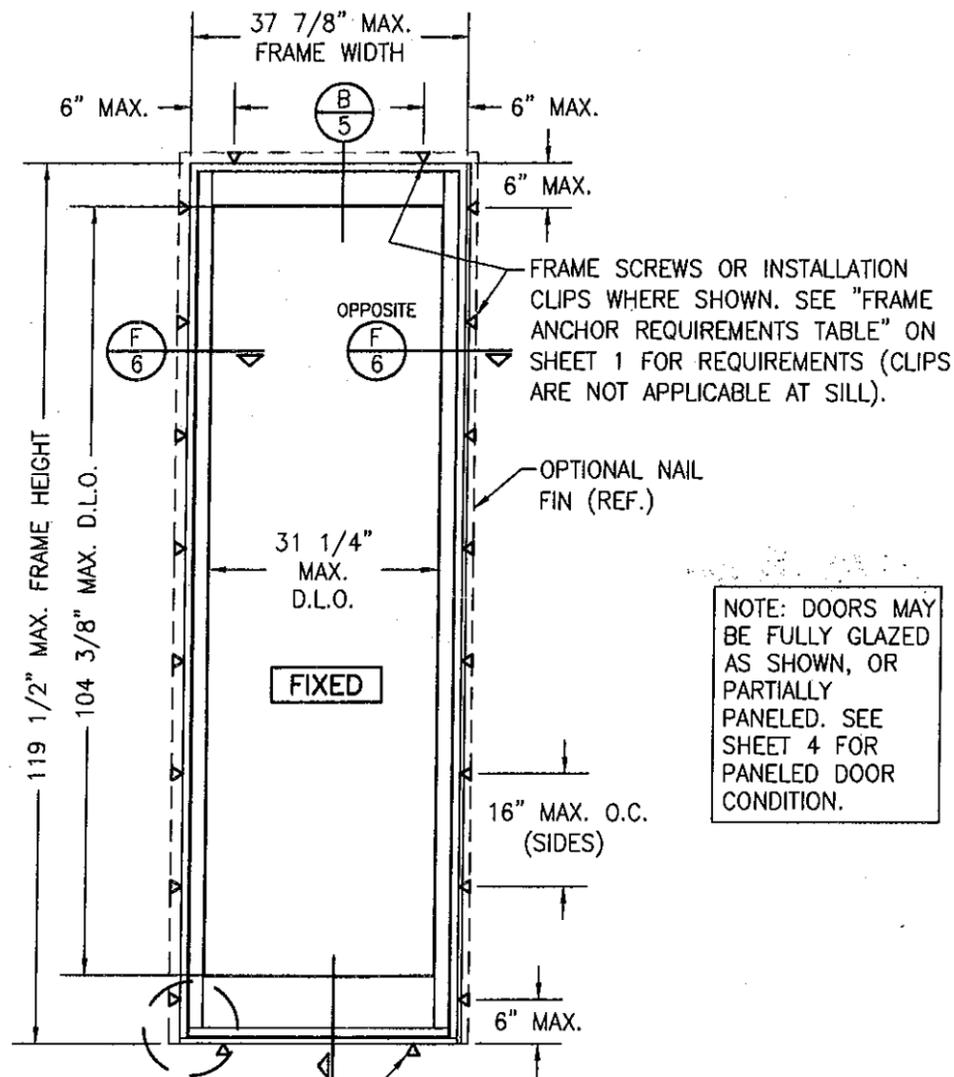
**EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR**
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE
(SINGLE OPERABLE DOOR)
SEE SHEET 1

Approved as complying with the Florida Building Code
Date: 02/10/2011
NOA# 10-1222-03
Miami Dade Product Control
By: *[Signature]*



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 12/13/10
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS	
MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION JAN 06 2011	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1729	REV.
SHEET NO. 2	OF 10



NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, OR PARTIALLY PANELED. SEE SHEET 4 FOR PANELED DOOR CONDITION.

SEE CORNER CONSTRUCTION DESCRIPTIONS ON SHEET 1

SILL SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

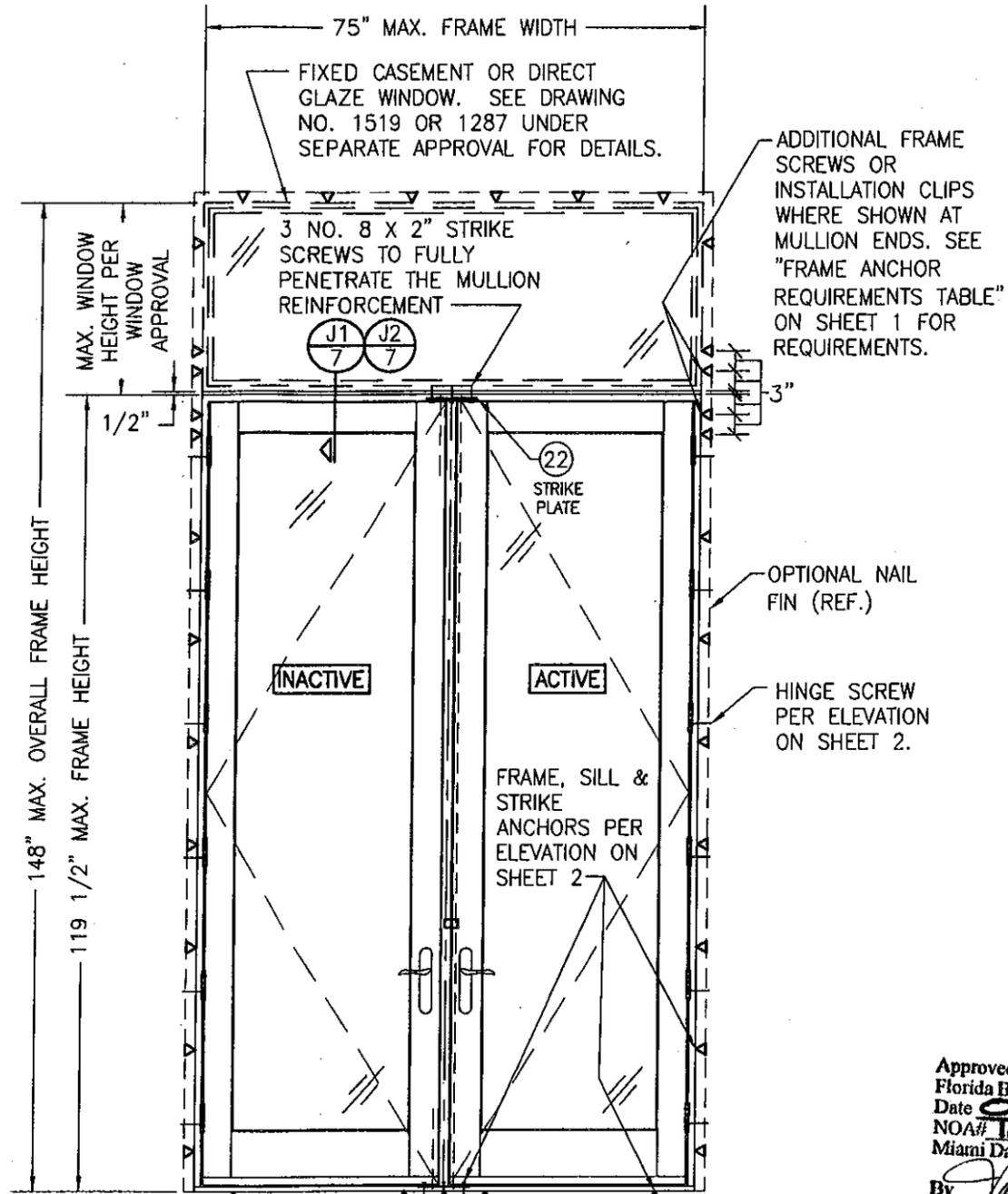
**EXTERIOR ELEVATION
SINGLE FIXED PANEL**

SCALE: 1/2"=1'-0"

**ALLOWABLE DESIGN PRESSURE
(FIXED PANEL DOOR)**

+70/-85 PSF

NOTE: SEE GLASS OPTION 2 GLASS VS. PRESSURE RESTRICTION WITH I.G. GLAZING DETAIL ON SHEET 5.



**EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR WITH TRANSOM**

SCALE: 1/2"=1'-0"

TRANSOM UNIT NOTES:

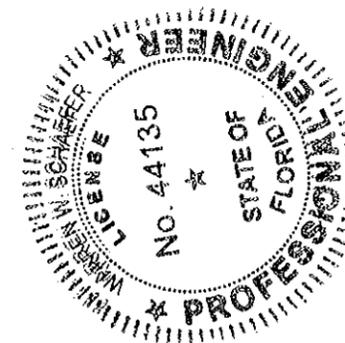
1. FOR INSTALLATION OF THE DOOR UNIT AND OTHER DETAIL NOT SHOWN, SEE THE INDIVIDUAL UNIT ELEVATIONS.
2. DOUBLE DOOR WITH TRANSOM CONDITION SHOWN. SINGLE SWING DOOR WITH TRANSOM & FIXED PANEL DOOR WITH TRANSOM ALSO APPLY EXCEPT THERE IS NO LIMITATION ON THE OVERALL UNIT HEIGHT EXCEPT AS DICTATED BY THE INDIVIDUAL DOOR AND WINDOW.

**ALLOWABLE DESIGN PRESSURE
(TRANSOM MULLED UNIT)**

ALLOWABLE PRESSURE SHALL BE AS GOVERNED BY THE INDIVIDUAL DOOR OR WINDOW (NOT TO EXCEED +/-55 PSF)

Approved as complying with the Florida Building Code
Date 02/10/2011
NOA# 10-1222-03
Miami Dade Product Control

By *[Signature]*



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PLOT: 1-24	DATE: 12/13/10
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DATE	BY

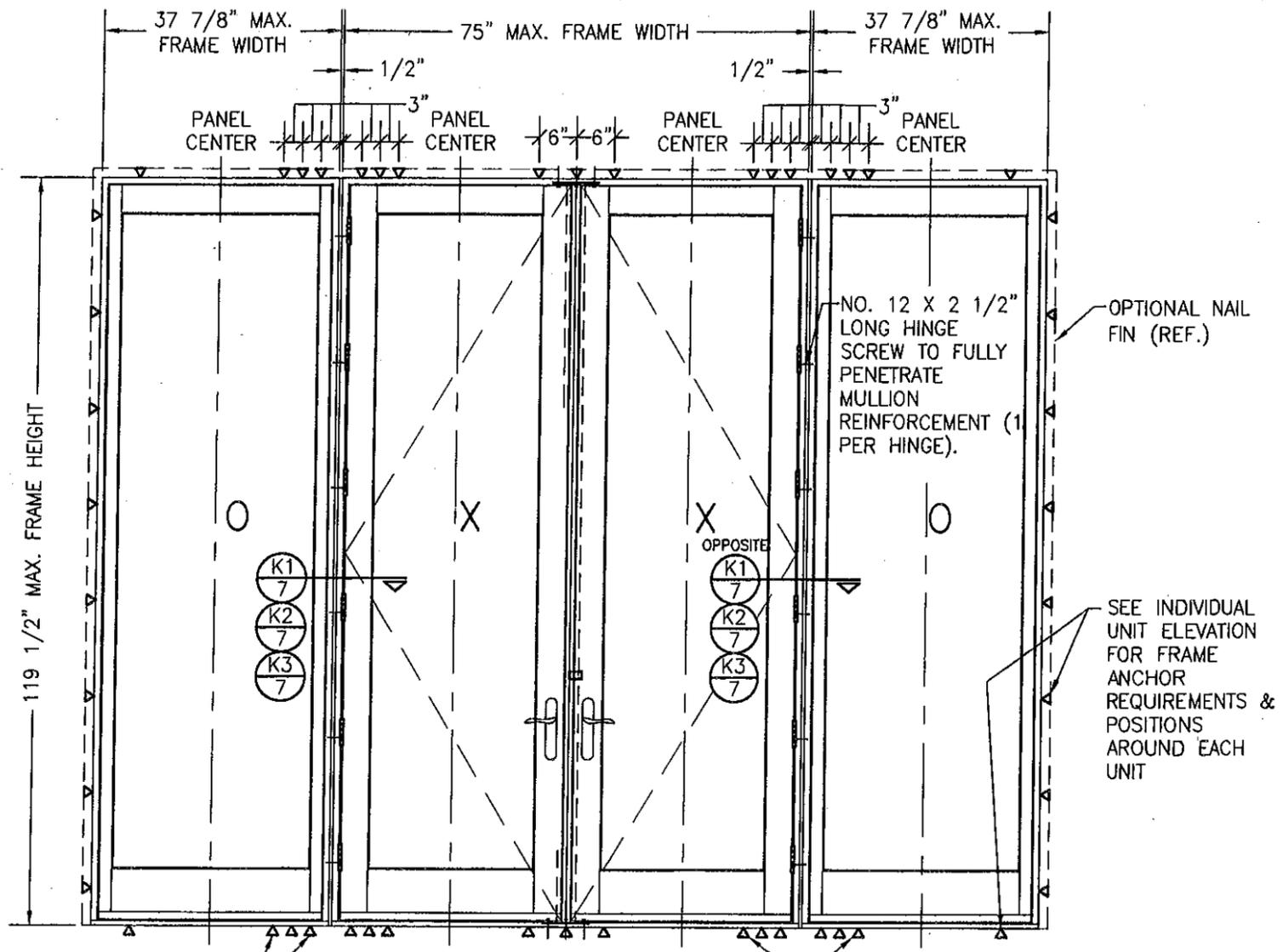
DRAWING TITLE: ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

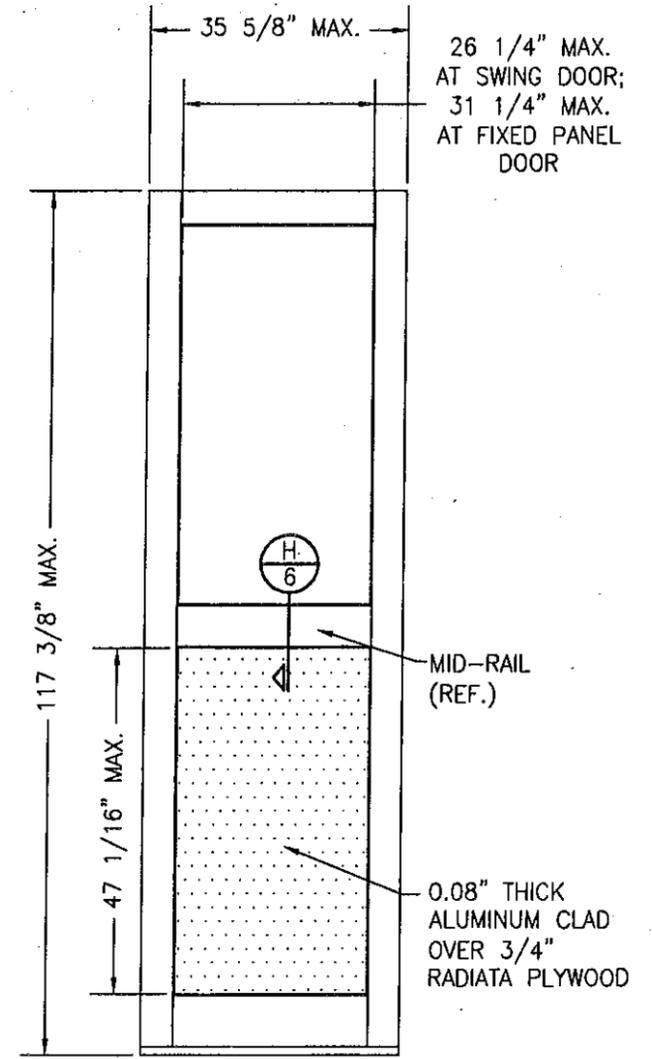
MANUFACTURER: Pella Corporation
102 MAIN STREET
PELLA, IA 50219

CERTIFICATION
JAN 06 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1729	REV.
SHEET NO. 3	OF 10



**EXTERIOR ELEVATION:
DOUBLE DOORS WITH FIXED PANELS**
SCALE: 1/2" = 1'-0"



**EXTERIOR ELEVATION
PARTIAL PANEL
WITH STANDARD MID RAIL**
SCALE: 1/2" = 1'-0"

- NOTES:**
- 1) MULTIPLE MIDRAILS MAY BE USED IN ONE PANEL
 - 2) PANEL CONDITION IS APPLICABLE TO BOTH OPERABLE & FIXED PANELS

PLACE 2 ADDITIONAL FRAME ANCHORS EACH SIDE OF MULLION (TYP. AT HEAD & SILL).

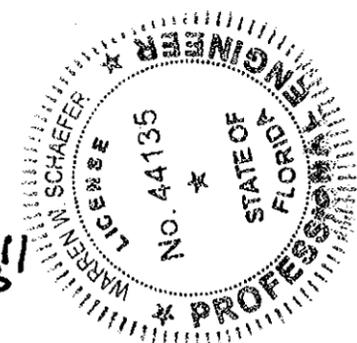
THE OUTER MOST ANCHOR EACH SIDE OF THE MULLION IS NOT REQUIRED AT WHEN DISTANCE BETWEEN DOOR PANEL CENTERLINES IS 34" OR LESS OR FRAME HEIGHT IS 108" OR LESS

- MULTIPLE UNIT NOTES:**
1. FOR INSTALLATION AND OTHER DETAIL NOT SHOWN, SEE THE INDIVIDUAL UNIT ELEVATIONS.
 2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
 3. OXXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.

**ALLOWABLE DESIGN PRESSURE
(SIDE-BY-SIDE MULLED UNIT)**
+/-50 PSF

THE OUTER MOST ANCHORS ARE NOT REQUIRED AT MULLION ENDS WHEN DISTANCE BETWEEN DOOR PANEL CENTERLINES IS 35" OR LESS OR FRAME HEIGHT IS 109" OR LESS

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NOA#: 1041222.03
Miami Dade Product Control
By: *[Signature]*



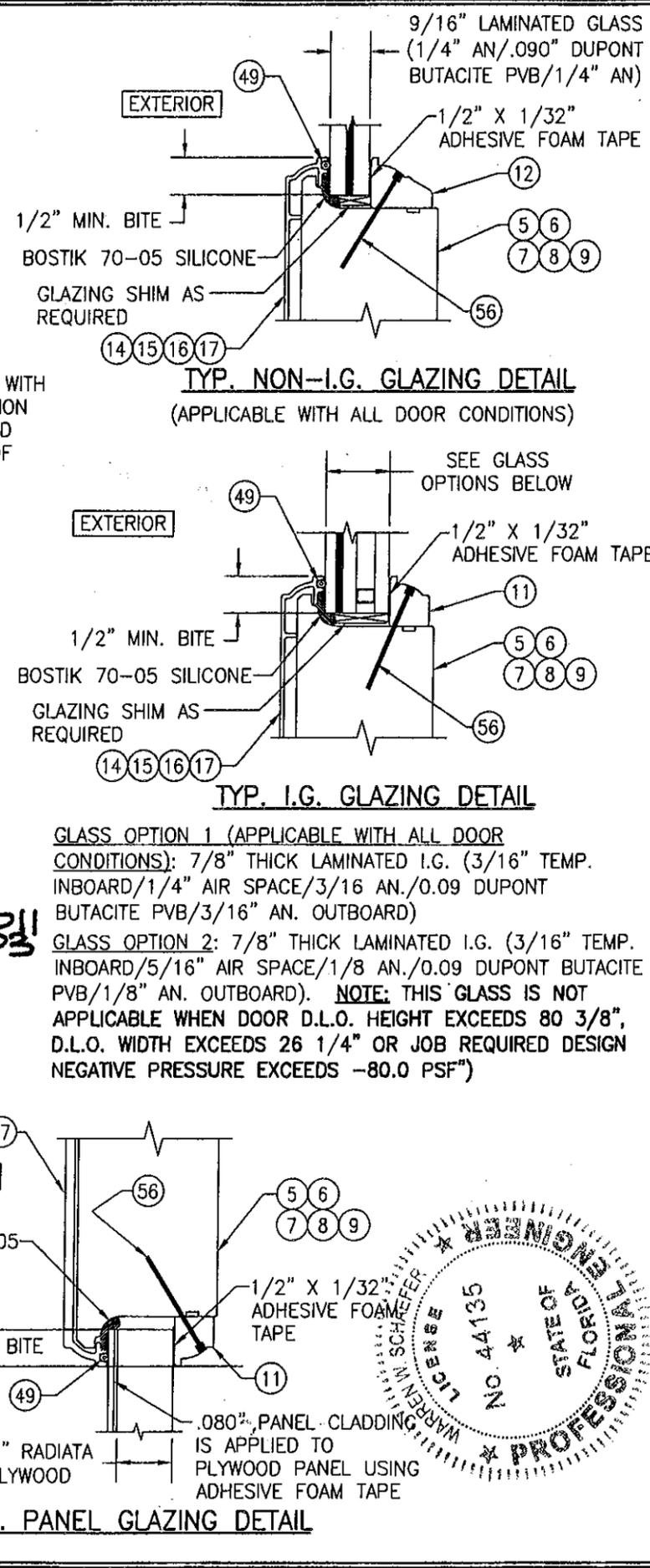
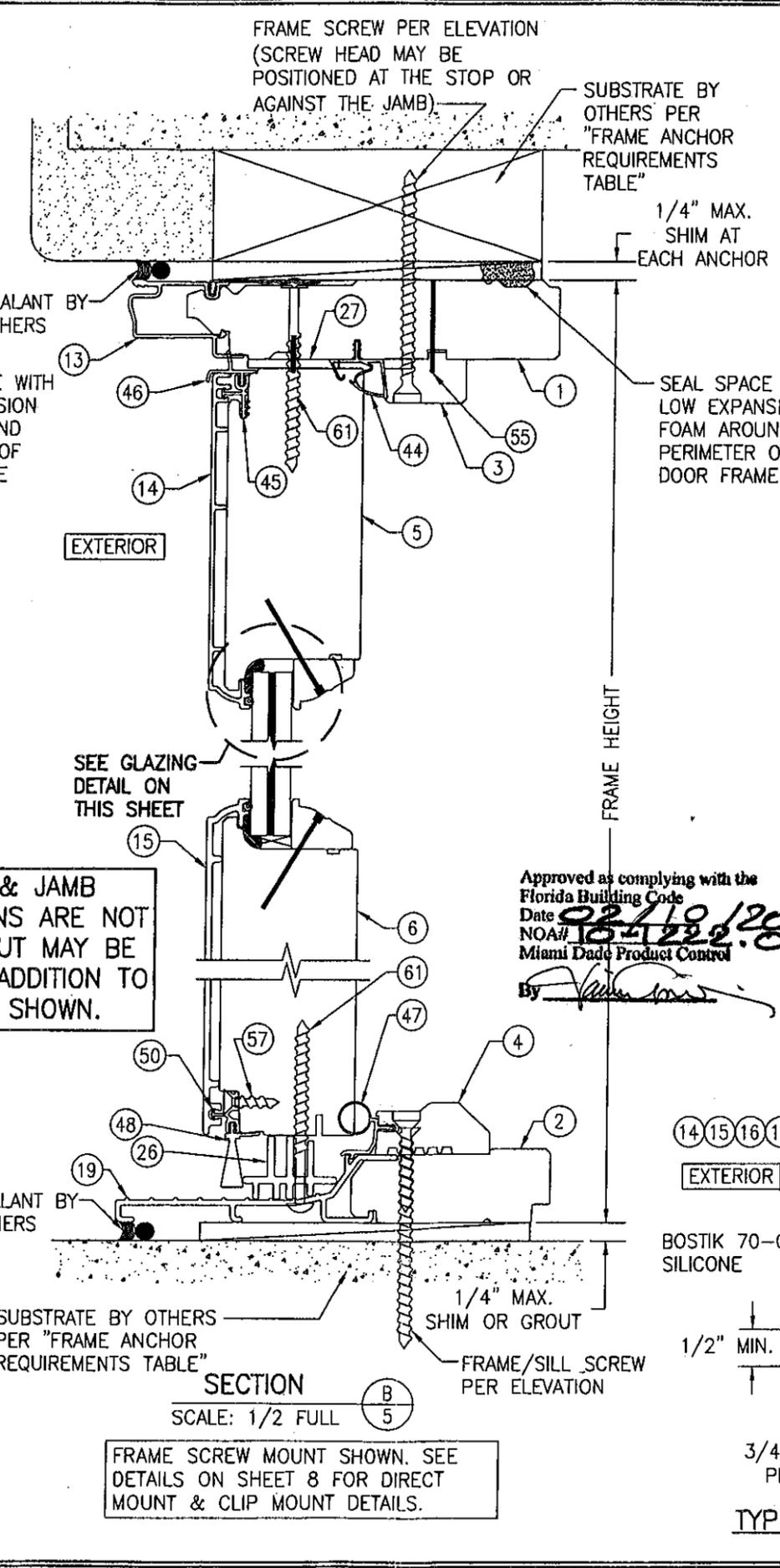
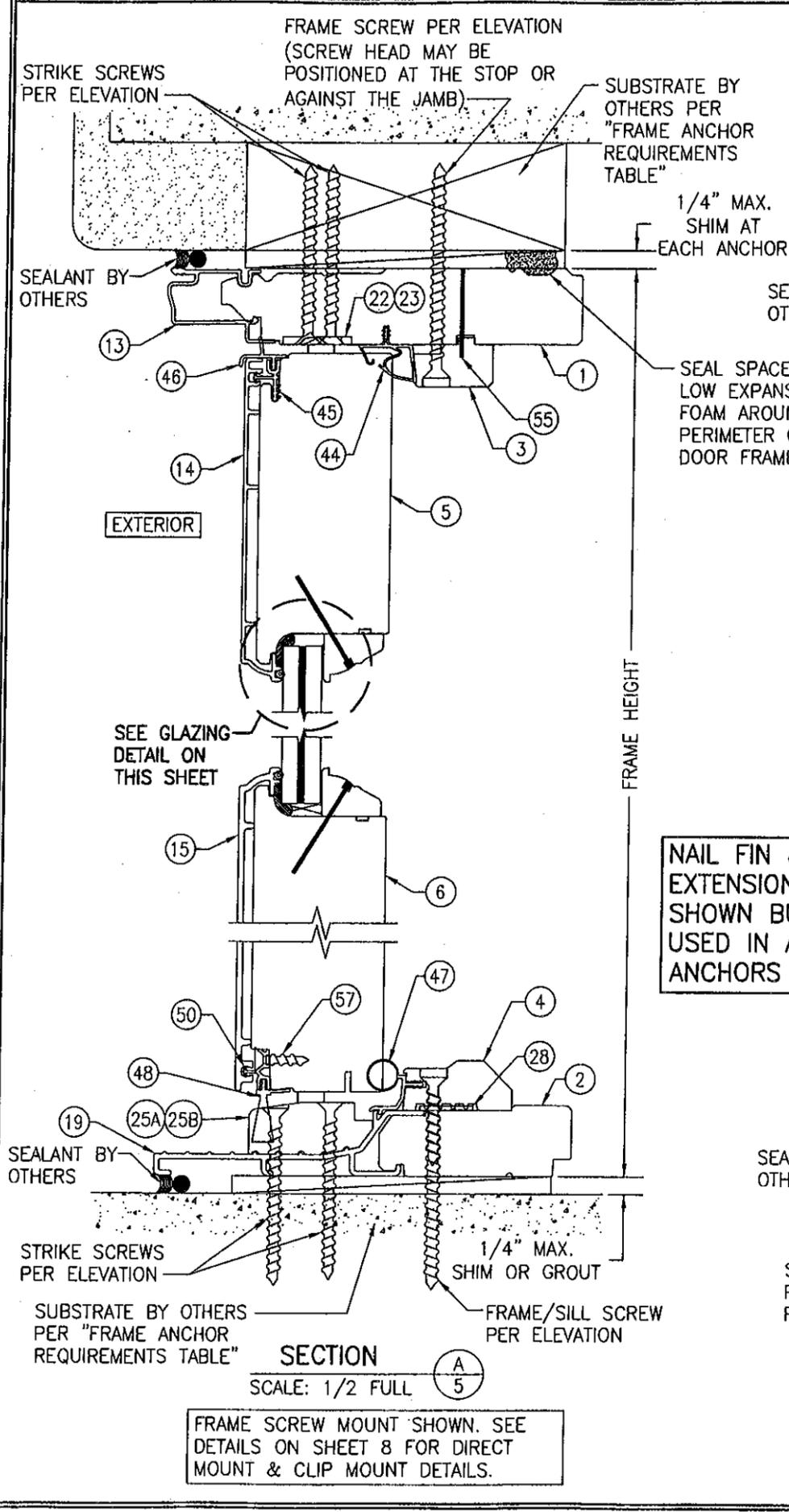
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MANUFACTURER
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

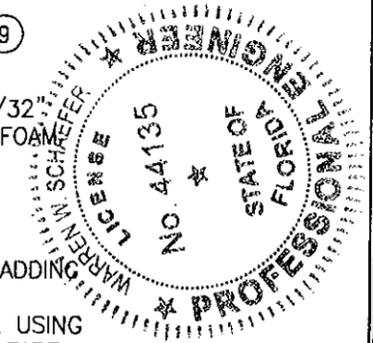
CONSULTANTS
W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809)
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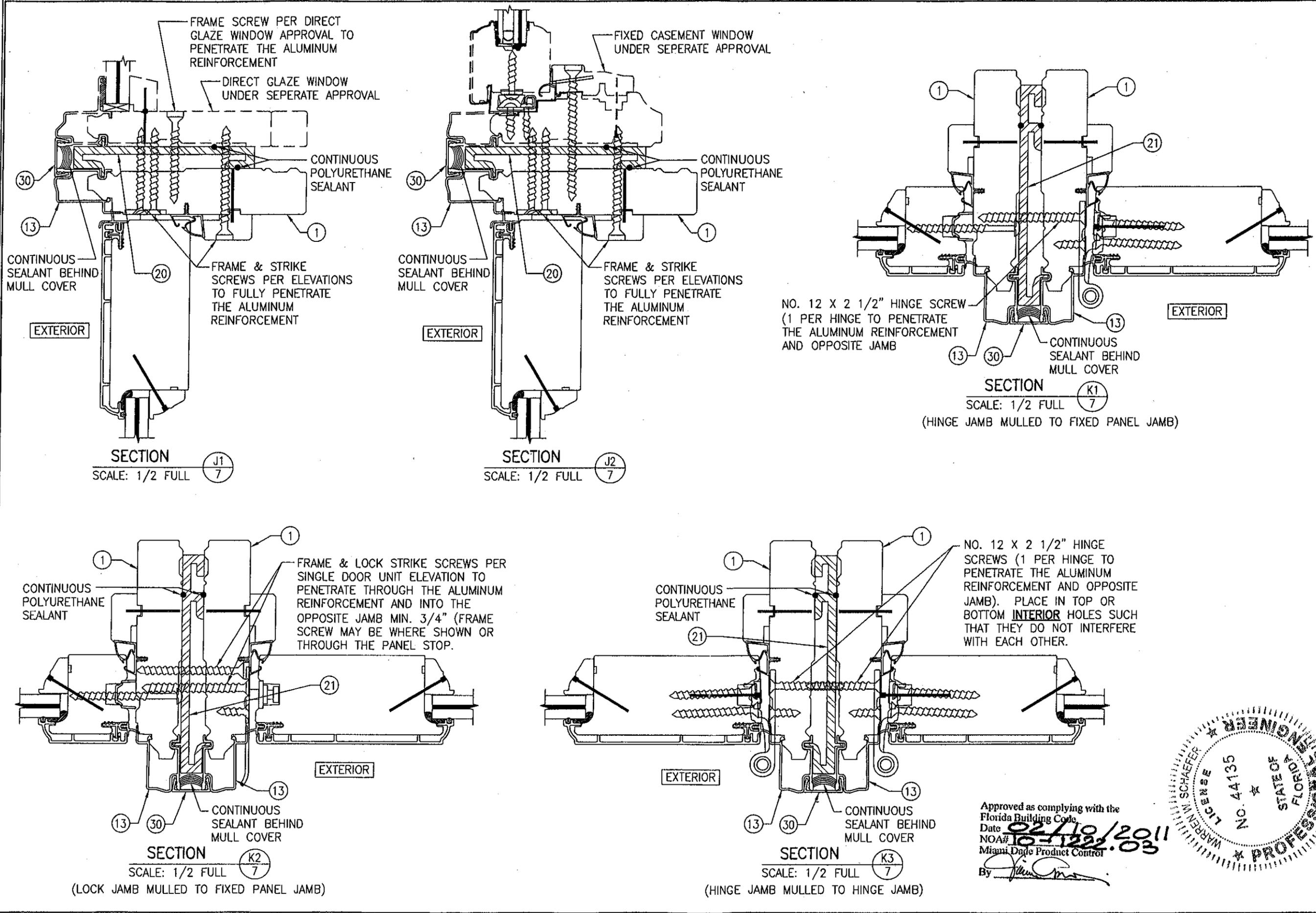
DRAWING NO. 1729	REV.
SHEET NO. 4	OF 10



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 By [Signature]



DRAWN BY: W.W.S. CHECKED BY: W.W.S. PLOT: 1=24 DATE: 12/13/10
REVISION DESCRIPTION NO.
ARCHITECT TITLE ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
MANUFACTURER Pella CORPORATION 102 MAIN STREET PELLA, IA 50219
CERTIFICATION JAN 06 2011 WARREN W. SCHAEFER P.E. P.E. NO. 44135
DRAWING NO. 1729 SHEET NO. 5 OF 10



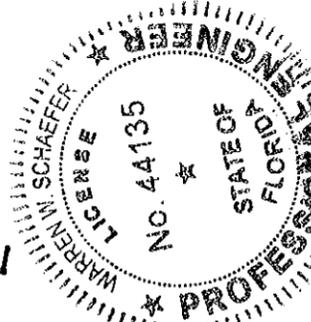
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PLOT:	1-24	DATE:	12/13/10
NO.		REVISION DESCRIPTION	
DATE			
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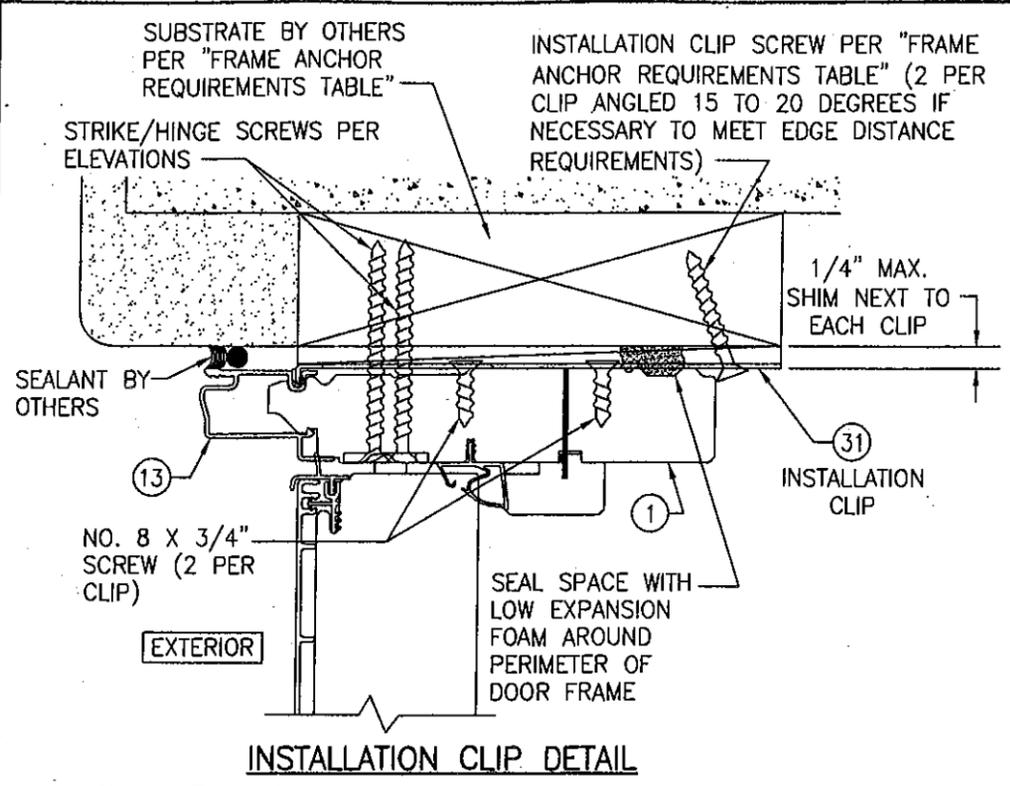
ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS
 MANUFACTURER
 PELLA CORPORATION
 102 MAIN STREET
 PELLA, IA 50219

CONSULTANTS
 W. W. SCHAEFER ENGINEERING
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CERTIFICATION
 JAN 06 2011
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

Approved as complying with the Florida Building Code.
 Date 02/10/2011
 NOA# 10-1222-03
 Miami Dade Product Control
 By *[Signature]*

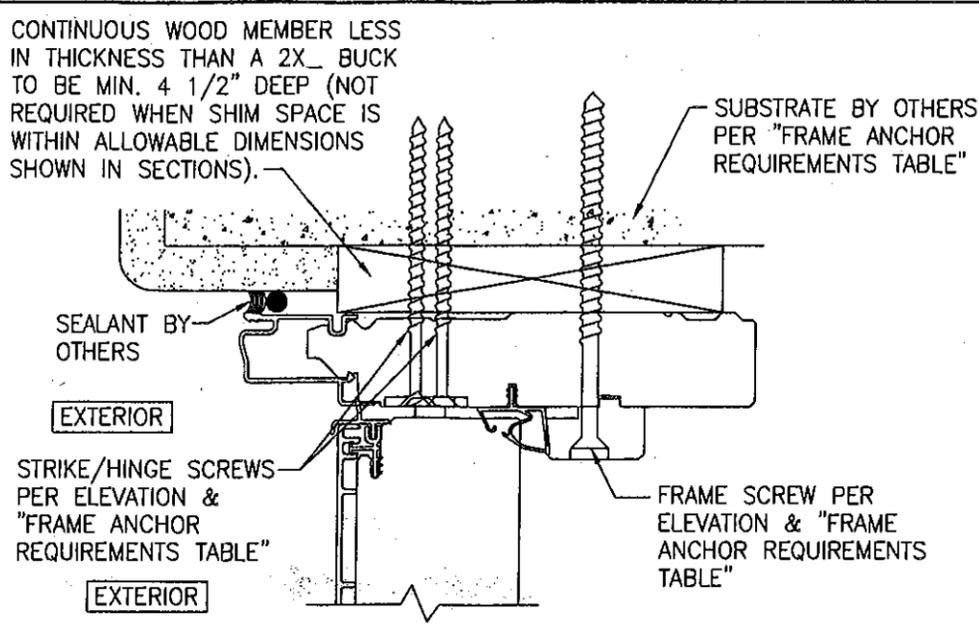




INSTALLATION CLIP DETAIL

CLIP INSTALL NOTES:

- 1) HEAD SECTION SHOWN. CLIP IS INSTALLED THE SAME AT THE SIDES.
- 2) INSTALLATION CLIP IS NOT APPLICABLE AT THE SILL.
- 3) FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

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DRAWING TITLE
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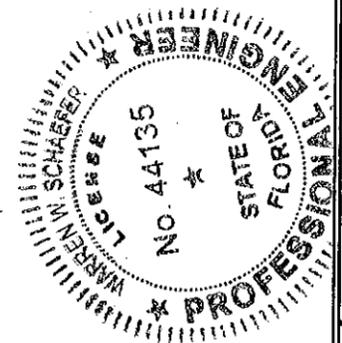
MANUFACTURER
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PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

CERTIFICATION
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DRAWING NO. 1729	REV.
SHEET NO. 8	OF 10

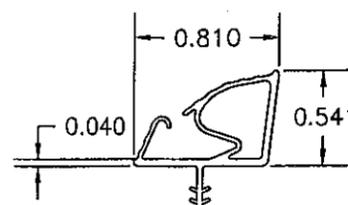
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Miami-Dade Product Control
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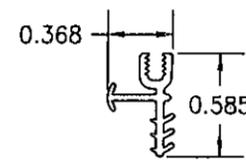
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	WESTERN PINE
2	INNER SILL	WESTERN PINE
3	FRAME STOP	WESTERN PINE
4	THRESHOLD	WESTERN PINE
5	TOP RAIL	WESTERN PINE
6	BOTTOM RAIL	WESTERN PINE
7	STILE	LOCK STILE IS WESTERN PINE WITH LVL CORE. HINGE STILE IS WESTERN PINE
8	SIDLIGHT STILE	WESTERN PINE
9	INTERMEDIATE RAIL	WESTERN PINE
10	ASTRAGAL	WESTERN PINE
11	I.G. GLAZING BEAD	WESTERN PINE
12	NON-I.G. GLAZING BEAD	WESTERN PINE
13	JAMB CLAD	6063-T6 ALUMINUM
14	STILE/TOP RAIL CLAD	6063-T5 ALUMINUM
15	BOTTOM RAIL CLAD	6061-T6 ALUMINUM
16	FIXED PANEL STILE CLAD	6061-T6 ALUMINUM
17	INTERMEDIATE RAIL CLAD	6061-T6 ALUMINUM
18	ASTRAGAL COVER	6061-T6 ALUMINUM
19	SILL	6061-T6 ALUMINUM
20	TRANSOM MULLION REINFORCEMENT	6061-T6 ALUMINUM
21	VERTICAL MULLION REINFORCEMENT	6061-T6 ALUMINUM
22	DOUBLE DOOR HEAD STRIKE PLATE	300 SERIES S.S.
23	SINGLE DOOR HEAD STRIKE PLATE	300 SERIES S.S.
24	LOCK JAMB STRIKE PLATE	BRASS
25A	DOUBLE DOOR SILL STRIKE	DELIN 500P ACETAL
25B	SINGLE DOOR SILL STRIKE	DELIN 500P ACETAL
26	FIXED SILL SPACER	PVC
27	FIXED PANEL SHIM	PVC
28	BUTYL TAPE	-
29	FIXED PANEL SPACER	PVC
30	EXTERIOR MULLION COVER	6063-T6 ALUMINUM
31	FRAME INSTALLATION CLIP	50 KSI GALVANIZED STEEL
32	JAMB CLAD CORNER KEY	NYLAMID 201
33	ASTRAGAL LOCK STRIKE	BRASS
HARDWARE		
36	3-POINT ACTIVE LOCK SYSTEM	AMESBURY P2000 STAINLESS STEEL
37	2-POINT INACTIVE LOCK	AMESBURY P2000 STAINLESS STEEL
38	HANDLE	AS REQUIRED TO OPERATE LOCK SYSTEM
39	HINGE	AMESBURY 6063-T6 ALUM WITH S.S. PIN
SEALS & SEALANTS		
44	WEATHERSTRIP	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE
45	STILE/TOP RAIL RECEPTOR	PVC
46	TOP RAIL RAINSCREEN	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE
47	WEATHERSTRIP	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE
48	BRISTLE STRIP	POLYPROPYLENE
49	SPLINE	PVC
50	BOTTOM RAIL RECEPTOR	PVC
51	STILE RAINSCREEN	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
FASTENERS		
55	18 GAGE 3/16" X 1 1/4" STAPLE	4" FROM CORNERS & 12" MAX. O.C.
56	1 1/2" BRAD NAIL	3" FROM CORNERS AND 6" O.C.
57	NO. 6 X 3/4" SCREW	1.5" FROM ENDS; 3 EQUALLY SPACED
58	NO. 12 X 3/4" S.S. SCREW	3 PER HINGE
59	NO. 8 X 3" S.S. SCREW	9 PER ASTRAGAL
60	-	-
61	NO. 8 X 2 1/2" WOOD SCREW	3 AT EA. HEAD & SILL; 13.5" UP FROM SILL & 9" O.C. AT SIDES
62	NO. 8 X 2" S.S. SCREW	3 PER HINGE
63	NO. 8 X 3/4" S.S. SCREW	3 PER ASTRAGAL STRIKE; 2 PER JAMB STRIKE

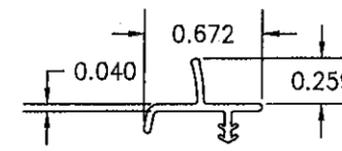
NOTE: WOOD USED IN TESTING WAS WESTERN PINE WITH A SPECIFIC GRAVITY OF G = 0.43 AND A MODULUS OF ELASTICITY OF E = 1,200,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PELLA CORPORATION TO SELECT.



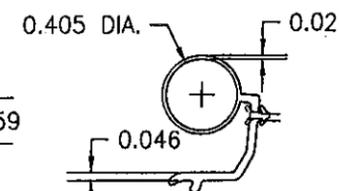
44 WEATHERSTRIP



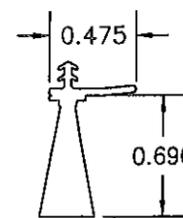
45 STILE/TOP RAIL RECEPTOR



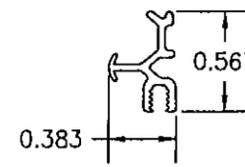
46 TOP RAIL RAINSCREEN



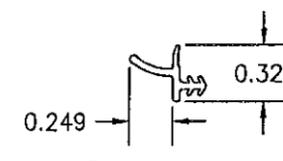
47 WEATHERSTRIP



48 BRISTLE STRIP



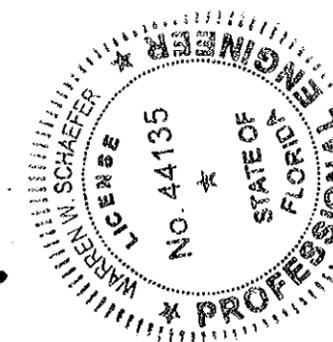
50 BOTTOM RAIL RECEPTOR



51 STILE RAINSCREEN

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