



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

www.buldingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**C. P. Loewen Enterprises
77 P.T.H. 52 West, Box 2260
Steinbach, Manitoba, Canada R2G 1B2**

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 Division 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 Division (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 Division 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: Outswing Aluminum Clad Wood French Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1102, titled "Aluminum Clad Wood Impact Outswing French Door", sheets 1 through 8 of 8, dated 07/31/02 with revision #A3 dated 06/30/04, 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 Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

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 renews NOA # 05-0118.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



**NOA No.07-0130.21
Expiration Date: October 31, 2012
Approval Date: April 05, 2007
Page 1**

C.P. Loewen Enterprises

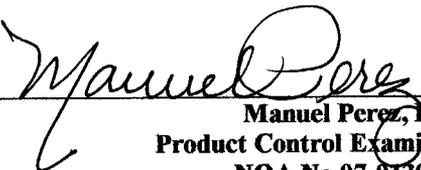
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No 1102, Sheets 1 through 8 of 8, titled "Aluminum Clad Wood Impact Outswing French Door", dated 07/31/02 with revision #A3 dated 06/30/04, 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
along with marked-up drawings and installation diagram of an aluminum clad wood outswing French door, prepared by Hurricane Test Laboratory, Inc. Test Report No. HTL-0286-0512.02, dated 3/15/01, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA# 02-0821.05)
2. 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 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum clad wood outswing French door, prepared by Hurricane Test Laboratory, Inc. Test Report No. HTL-0286-0713-02, dated 7/17/02, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA# 02-0821.05)
3. 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 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum clad wood outswing French door, prepared by ETC Laboratories, Test Report No. ETC-04-959-15382.1, dated 07/12-14/04, signed and sealed by Wendell W. Haney, P.E.
(Submitted under NOA# 05-0118.01)


Manuel Perez, P.E.
Product Control Examiner
NOA No.07-0130.21

Expiration Date: October 31, 2012
Approval Date: April 05, 2007

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Certification of anchor calculations complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, dated 01/22/07, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98
2. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 01/11/05, signed and sealed by Warren Schaefer, P.E.
(Submitted under NOA # 05-0118.01)
3. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/9/02, signed and sealed by Warren Schaefer, P.E.
(Submitted under NOA# 02-0821.05)

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0417.01** issued to Cardinal LG for "Laminated Glass Cardinal Sea-Storm Type B" dated 05/15/03, expiring on 12/30/07.
2. Notice of Acceptance No. **06-1205.10** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass ® Plus" dated 02/15/07, expiring on 01/14/08.

F. STATEMENTS

1. Statement letter of conformance, dated January 22, 2007, signed and sealed by Warren W. Schaefer, P.E.

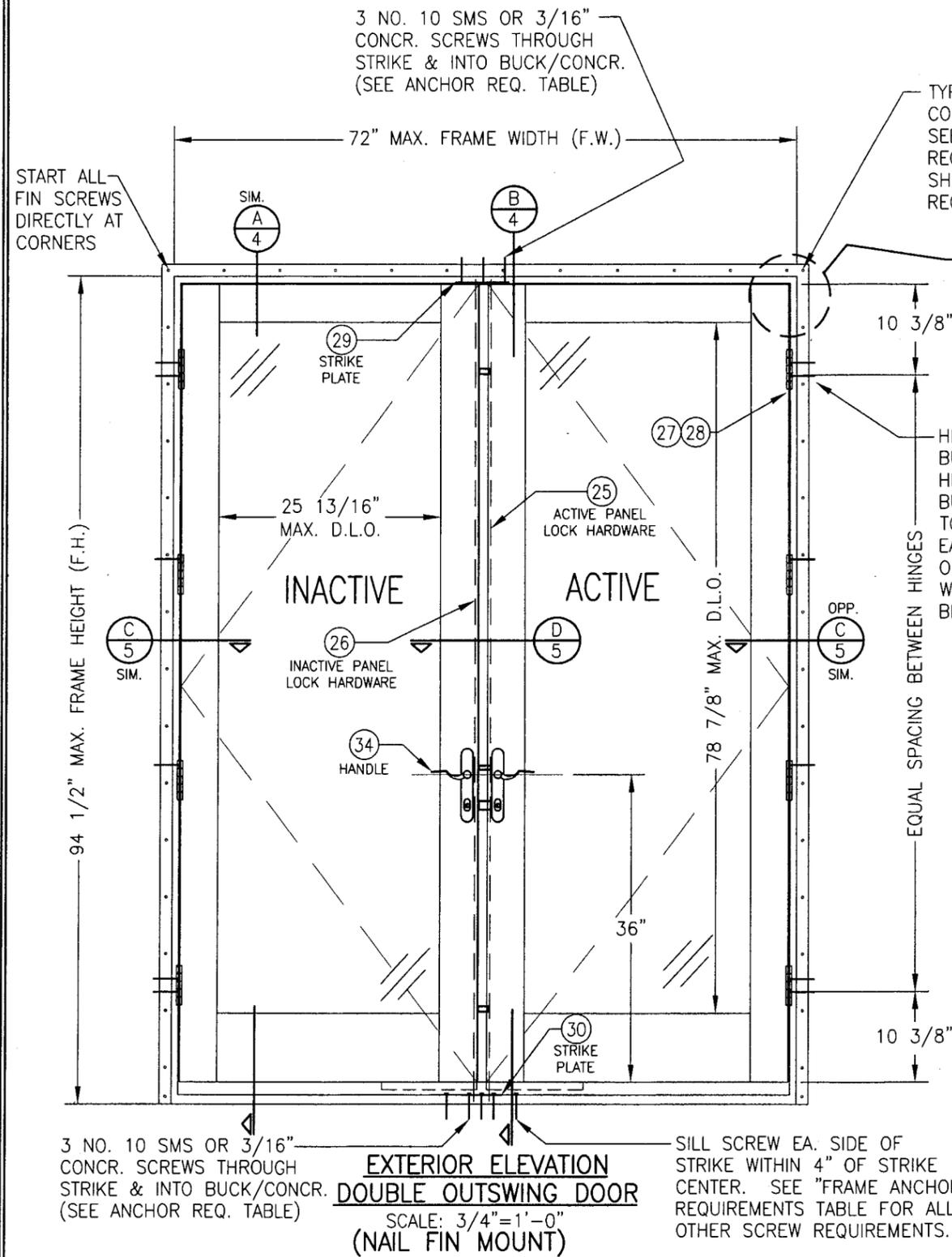
G. OTHER

1. Notice of Acceptance No. **05-0118.01**, issued to C. P. Loewen Enterprises for their Aluminum Clad Wood Outswing French Door, approved on 05/05/05 and expiring on 10/31/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0130.21

Expiration Date: October 31, 2012
Approval Date: April 05, 2007

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 05/05/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	

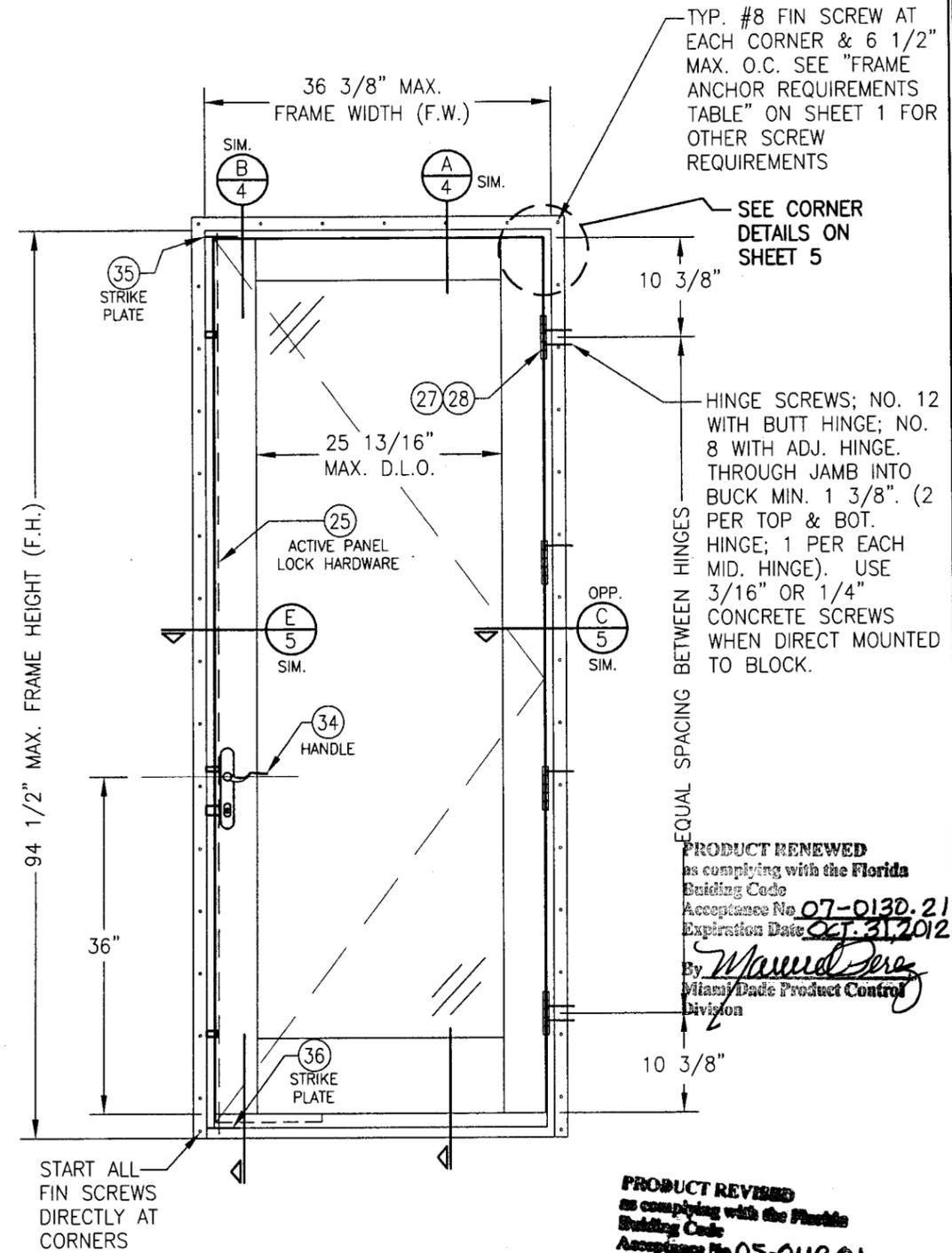


TYP. #8 FIN SCREW AT EACH CORNER & 6 1/2" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR OTHER SCREW REQUIREMENTS

SEE CORNER DETAILS ON SHEET 5

HINGE SCREWS; NO. 12 WITH BUTT HINGE; NO. 8 WITH ADJ. HINGE. THROUGH JAMB INTO BUCK MIN. 1 3/8". (2 PER TOP & BOT. HINGE; 1 PER EACH MID. HINGE). USE 3/16" OR 1/4" CONCRETE SCREWS WHEN DIRECT MOUNTED TO BLOCK.

HINGE REQUIREMENTS	
DOOR FRAME (F.H.) HEIGHT	# OF HINGES REQUIRED
TALLER THAN 80" WITHOUT NAIL FIN	4
80" OR LESS WITHOUT NAIL FIN	3
UP TO 94 1/2" WITH NAIL FIN	3



PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 05-0118.01
Expiration Date: 10/31/03

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 07-0130.21
Expiration Date: 02/31/2012

By: *Manuel Perez*
Miami Dade Product Control Division

By: *Warren W. Schaefer*
Miami Dade Product Control Division

**EXTERIOR ELEVATION
SINGLE OUTSWING DOOR**
SCALE: 3/4"=1'-0"
(NAIL FIN MOUNT)

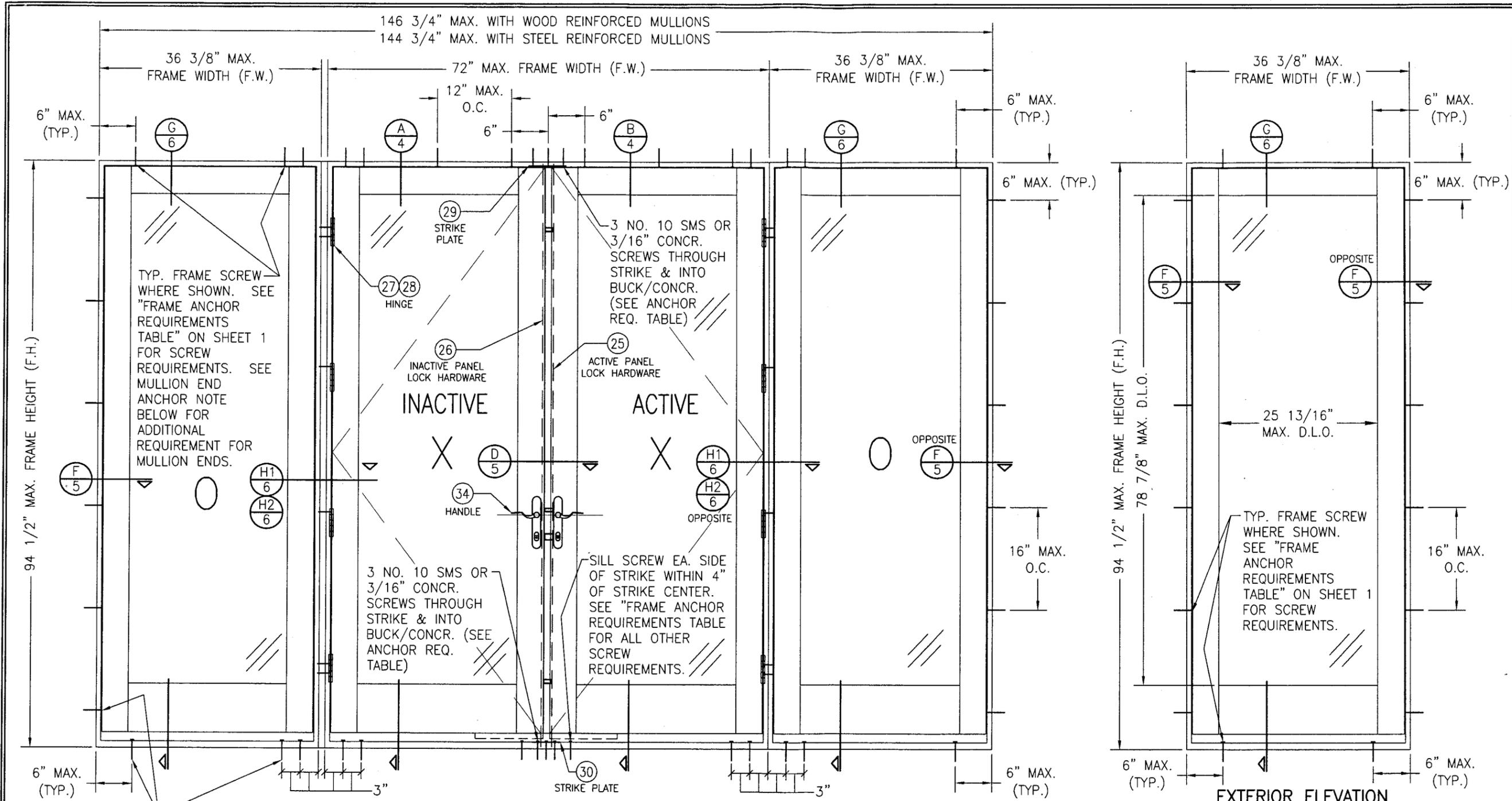
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR

MANUFACTURER: C.P. LOEWEN ENTERPRISES
77 P.T.H. 52 WEST, BOX 2260
STEINBACH, MB CANADA R5G 1B2
204-326-6446

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: JAN 11 2005
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1102 REV. A
SHEET NO. 2 OF 8



**EXTERIOR ELEVATION
MULTIPLE OPERABLE/FIXABLE UNIT**

SCALE: 3/4"=1'-0"

(FOR DETAIL NOT SHOWN, SEE OTHER ELEVATIONS)

NOTE: OXXO DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.

SHEAR SCREW MOUNT CONDITION SHOWN. WHEN FIN MOUNTED, ANCHOR EACH UNIT AS SHOWN WITH FIN MOUNT ELEVATIONS. NOTE THAT WITH FIN MOUNTED UNIT, ALL STRIKE PLATE & MULLION END SHEAR SCREWS SHALL REMAIN (3 SCREWS PER STRIKE PLATE & 4 OR 6 CORNER SCREWS PER MULLION END).

MULLION END ANCHOR NOTE:
MULLION END CONDITION SHOWN SHOWS 4 SCREWS PER MULLION END. WHEN MOUNTING TO WOOD AND REQUIRED DESIGN PRESSURE IS OVER +/-57 PSF, ONE ADDITIONAL SCREW IS REQUIRED EACH SIDE OF THE MULLION 9" OFF FRAME CORNERS (NOT REQ'D WHEN MOUNTED TO CONCRETE).

TYP. FRAME SCREW WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS & MULLION END NOTE BELOW FOR ADDITIONAL MULLION END ANCHOR REQUIREMENT.

**EXTERIOR ELEVATION
SIDELIGHT**

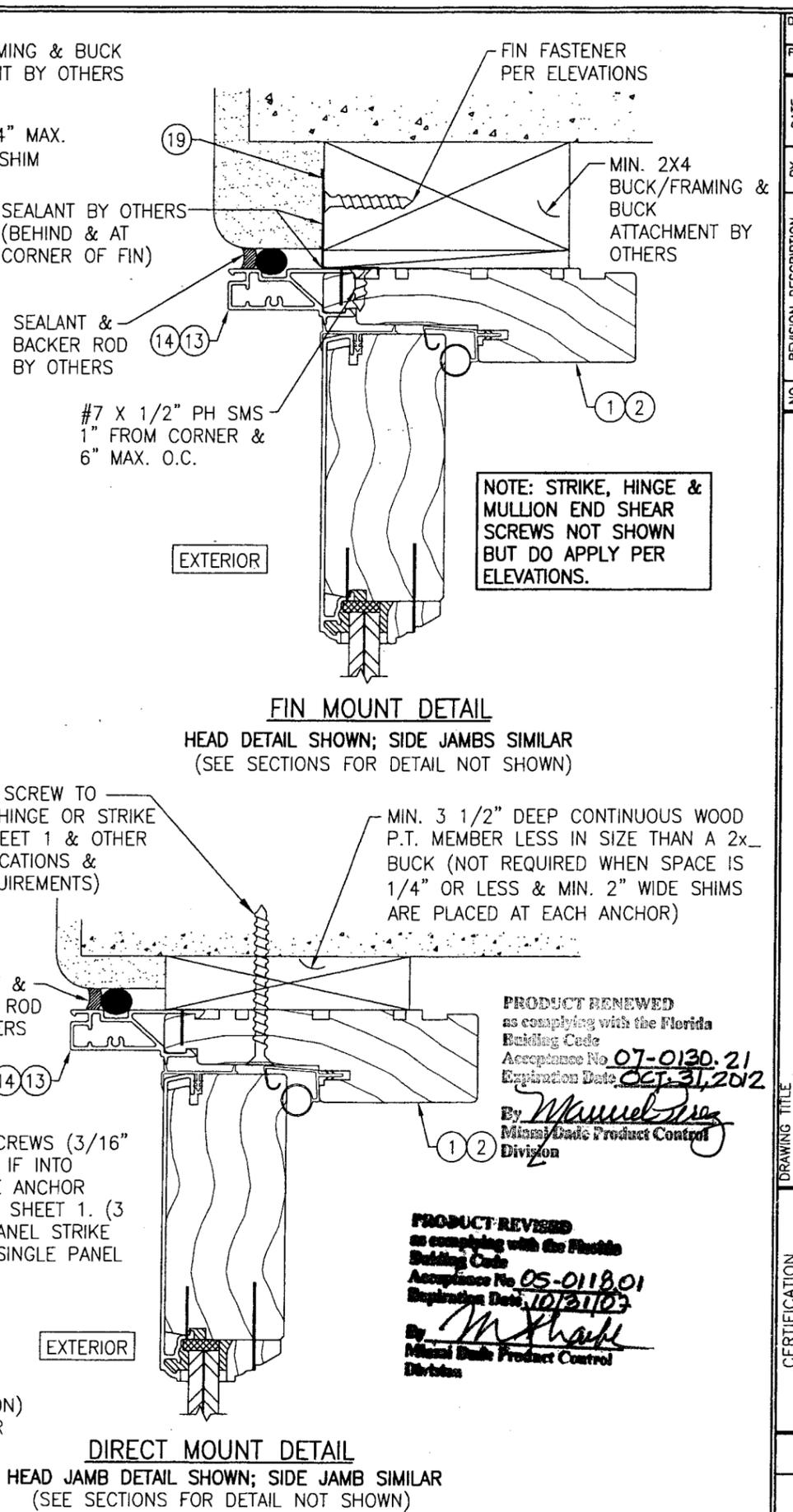
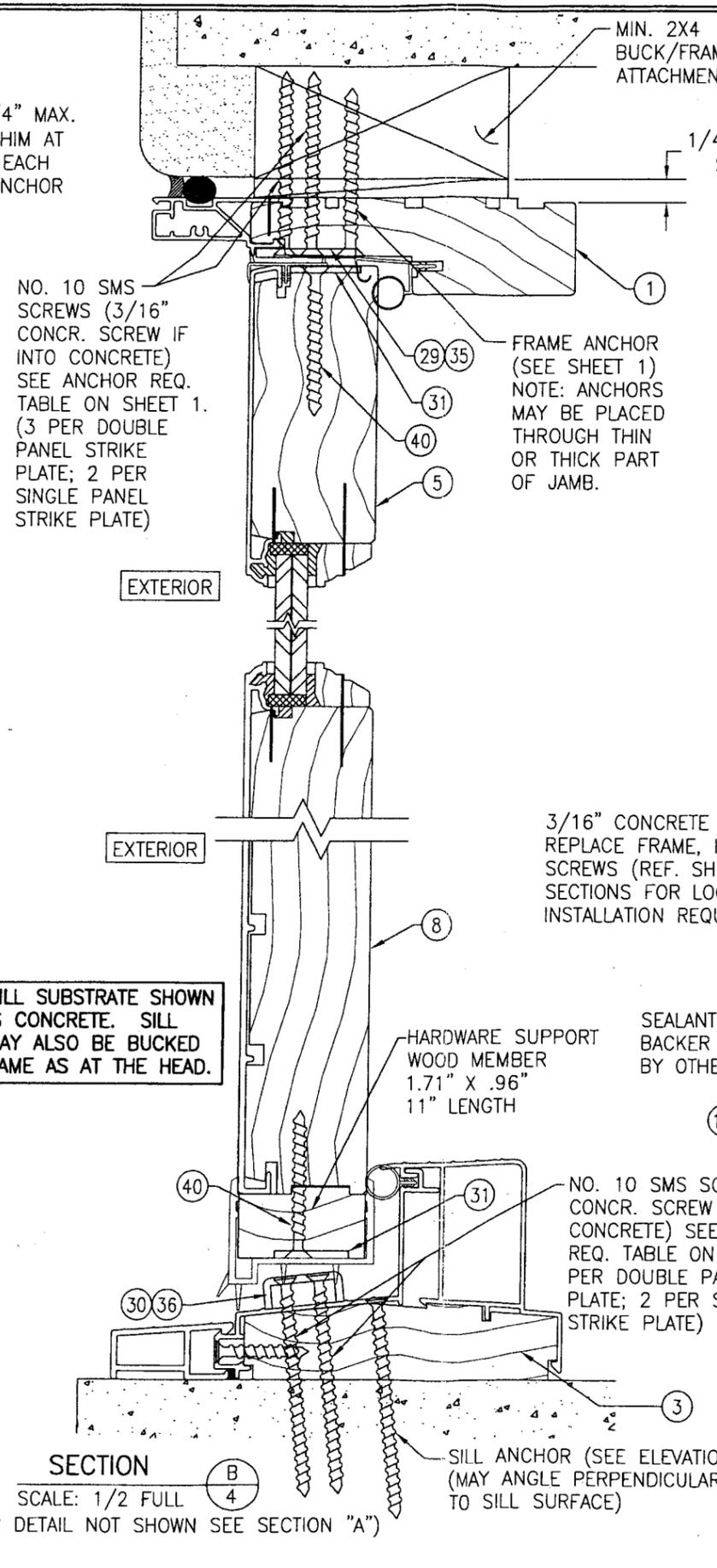
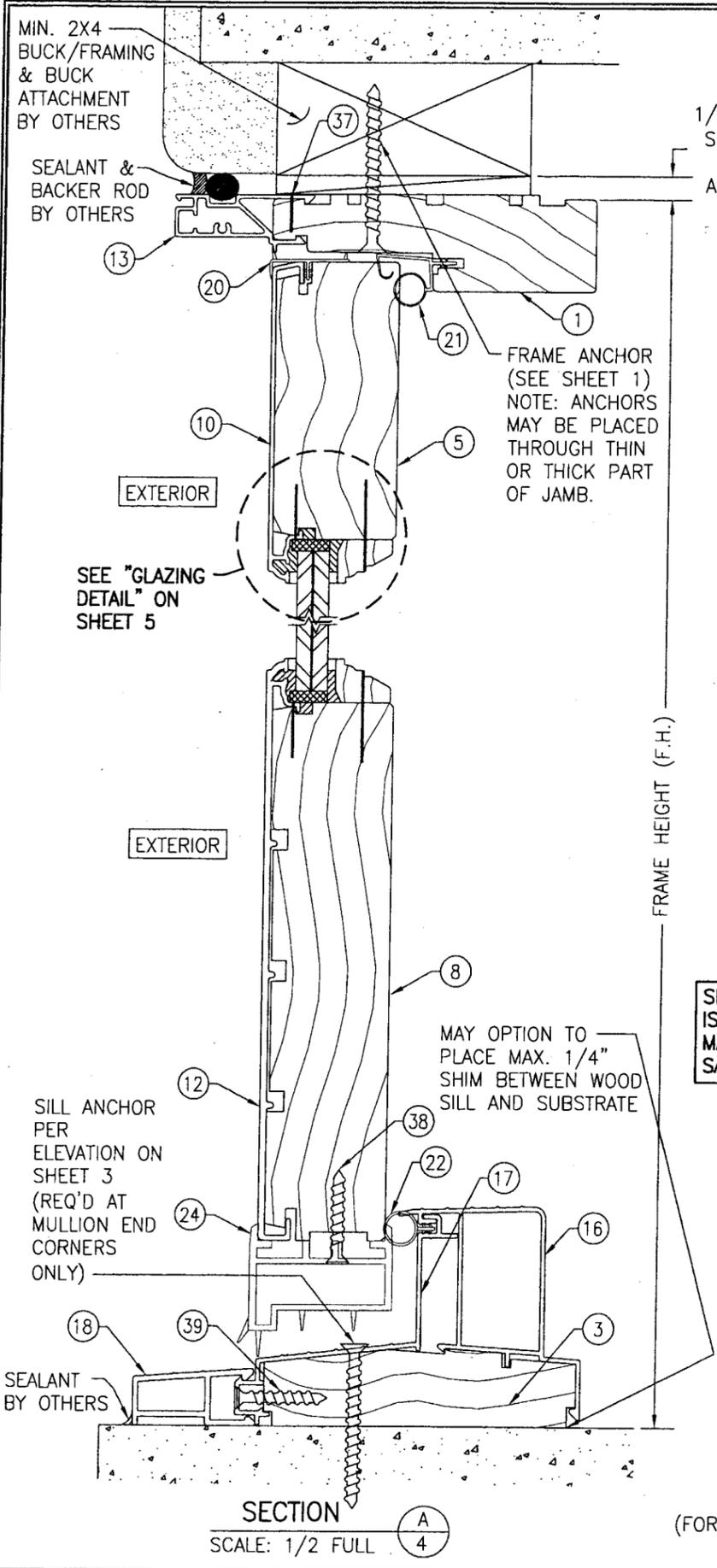
SCALE: 3/4"=1'-0"

SHEAR SCREW MOUNT CONDITION SHOWN. FOR FIN MOUNT DETAILS, SEE SINGLE DOOR ELEVATION ON SHEET 2

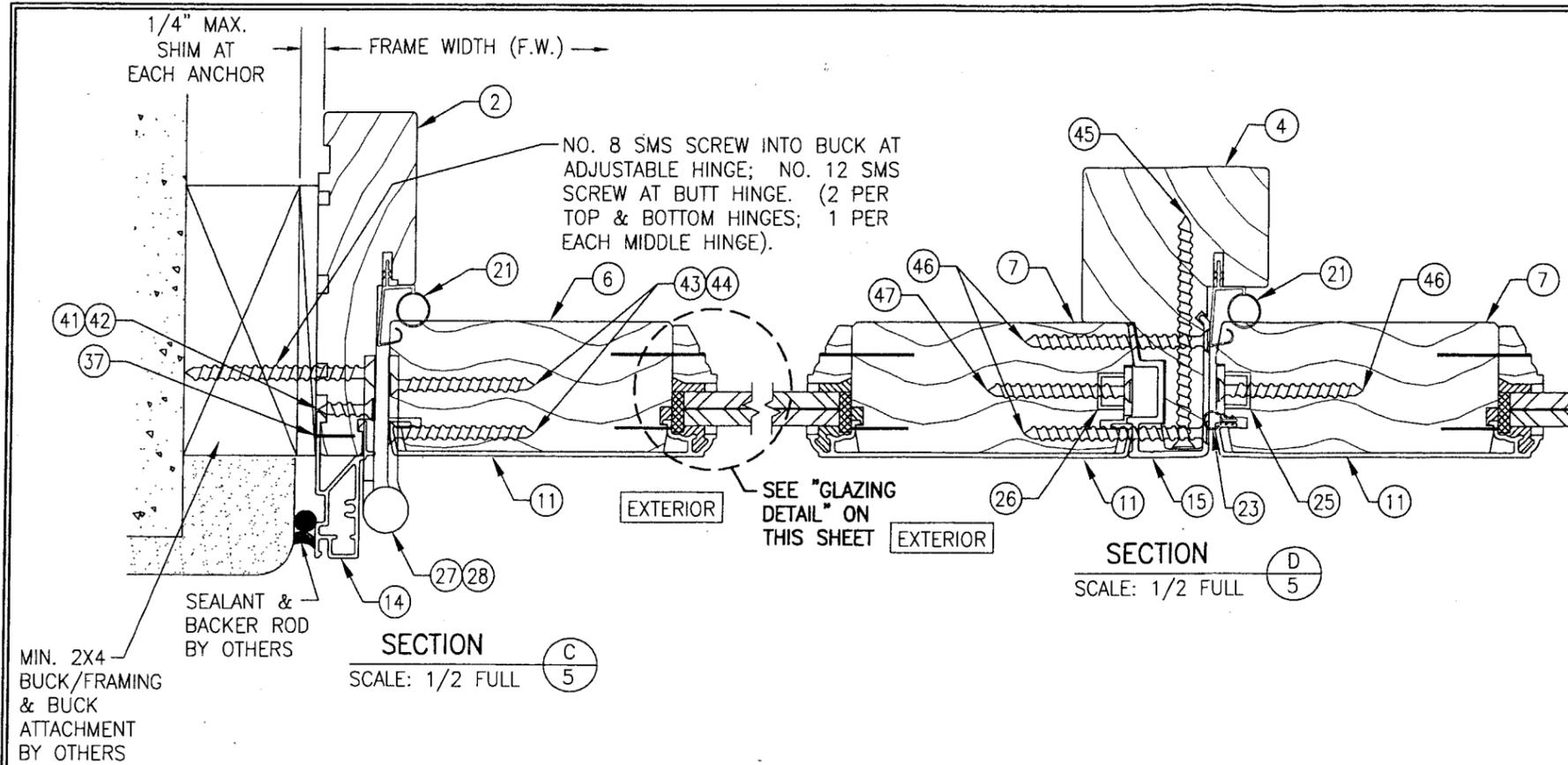
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 07-0130.21
Expiration Date OCT 31 2012
By *Manuel Jerez*
Miami Trade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0118.01
Expiration Date 10/31/07
By *M. Jerez*
Miami Trade Product Control Division

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 05/05/02
DATE	BY
REVISION DESCRIPTION	NO.
ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR MANUFACTURER C.P. LOEWEN ENTERPRISES 77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446 CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	JAN 11 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1102	REV. A
SHEET NO. 3	OF 8

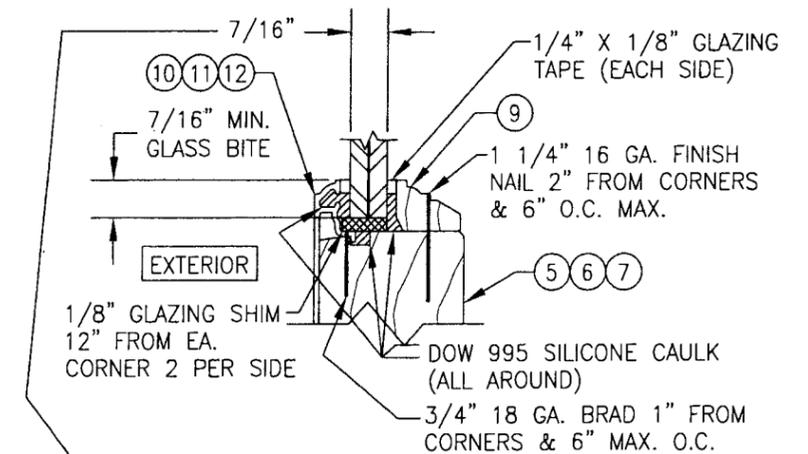
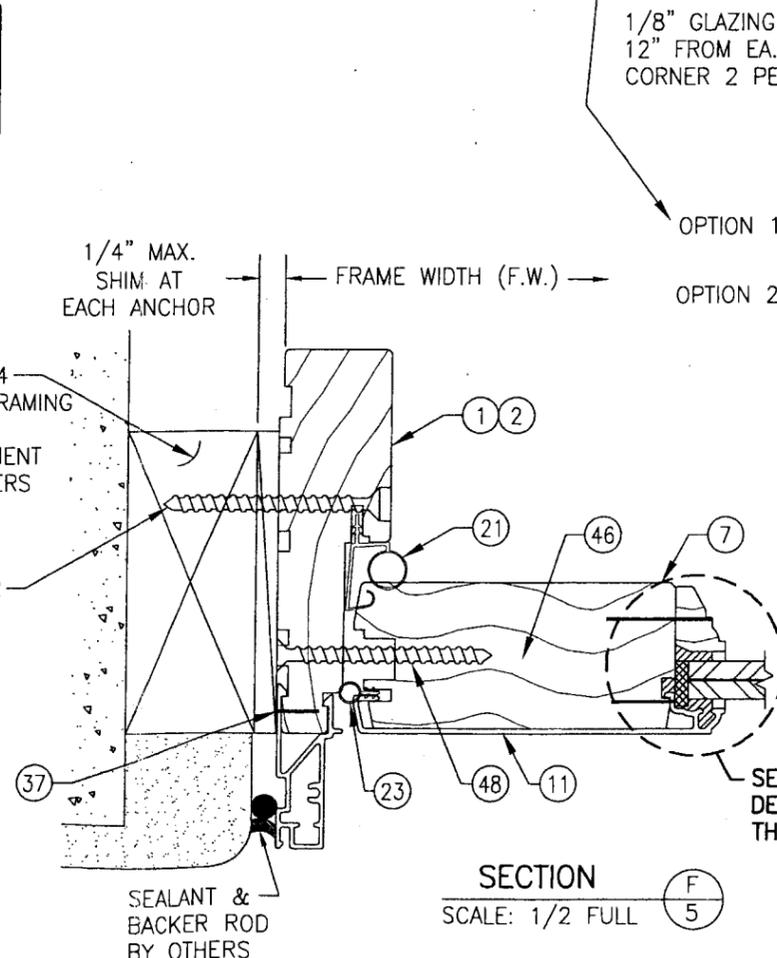
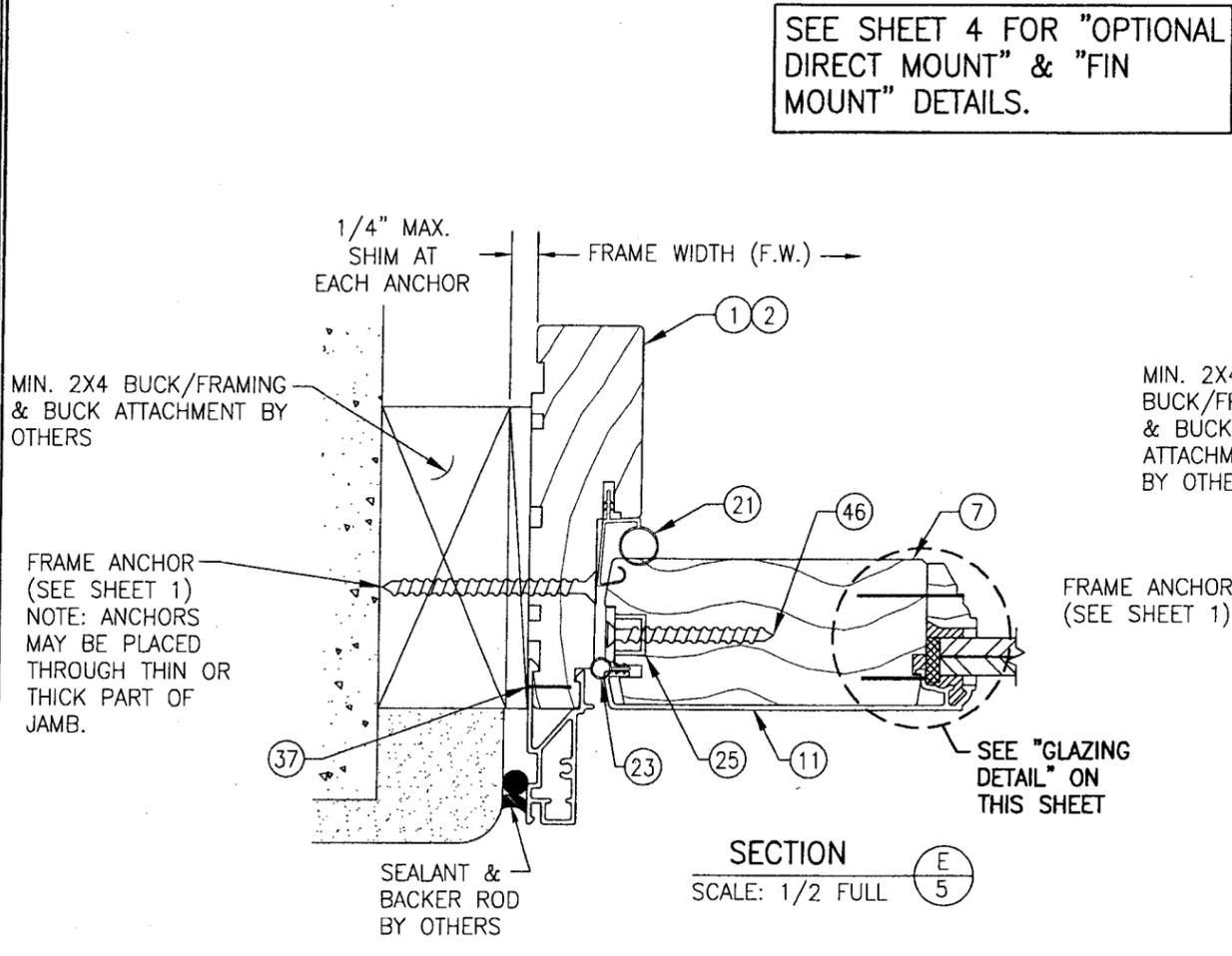


DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 05/05/02
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR	
MANUFACTURER C.P. LOEWEN ENTERPRISES 77 P.T.H. 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION JAN 1 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1102	REV. A
SHEET NO. 4 OF 8	



CORNER CONSTRUCTION:
PANEL TOP: WOOD MEMBERS ARE JOINED BY TWO (2) FULLY GLUED #5/8" X 6" BIRCH DOWELS 3" INTO EACH THE STILE & RAIL MEMBER.
PANEL BOTTOM: WOOD MEMBERS ARE JOINED BY FOUR (4) FULLY GLUED #5/8" X 6" BIRCH DOWELS 3" INTO EACH THE STILE & RAIL MEMBER.
PANEL CLAD: THE SASH CLADDING IS COPED, SNAPPED ONTO EACH MEMBER AND THEN SEALED AT THE BUTTED SEAM WITH AN ACRYLIC/URETHANE SEALANT.
HEAD JAMB: WOOD MEMBERS ARE COPED, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING TWO (2) 2" X 16 GA. STAPLES AND TWO (2) #8 X 2 1/2" FH WOOD SCREWS HORIZONTALLY AND ONE (1) #8 X 2 1/2" FH WOOD SCREW VERTICALLY. A SILICONE SEALANT IS APPLIED TO SEAM PRIOR TO JOINING.
SILL JAMB: WOOD MEMBERS ARE COPED, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING TWO (2) 2" X 16 GA. STAPLES AND TWO (2) #8 X 2 1/2" FH WOOD SCREWS HORIZONTALLY AND ONE (1) #8 X 2 1/2" FH WOOD SCREW VERTICALLY. A CLOSED CELL FOAM GASKET AND A SILICONE SEALANT ARE APPLIED BETWEEN JAMB MEMBERS PRIOR TO JOINING.
JAMB CLADDING: THE JAMB CLADDING IS MITERED, BUTTED TOGETHER & MECHANICALLY FASTENED USING ONE (1) #6 X 1 1/2" SMS PER CORNER. SEALANT IS APPLIED TO SEAM BEFORE JOINING. NOTE THAT AT THE SILL, THE JAMB CLAD BUTTS AGAINST THE SILL CLAD.

SEE SHEET 4 FOR "OPTIONAL DIRECT MOUNT" & "FIN MOUNT" DETAILS.

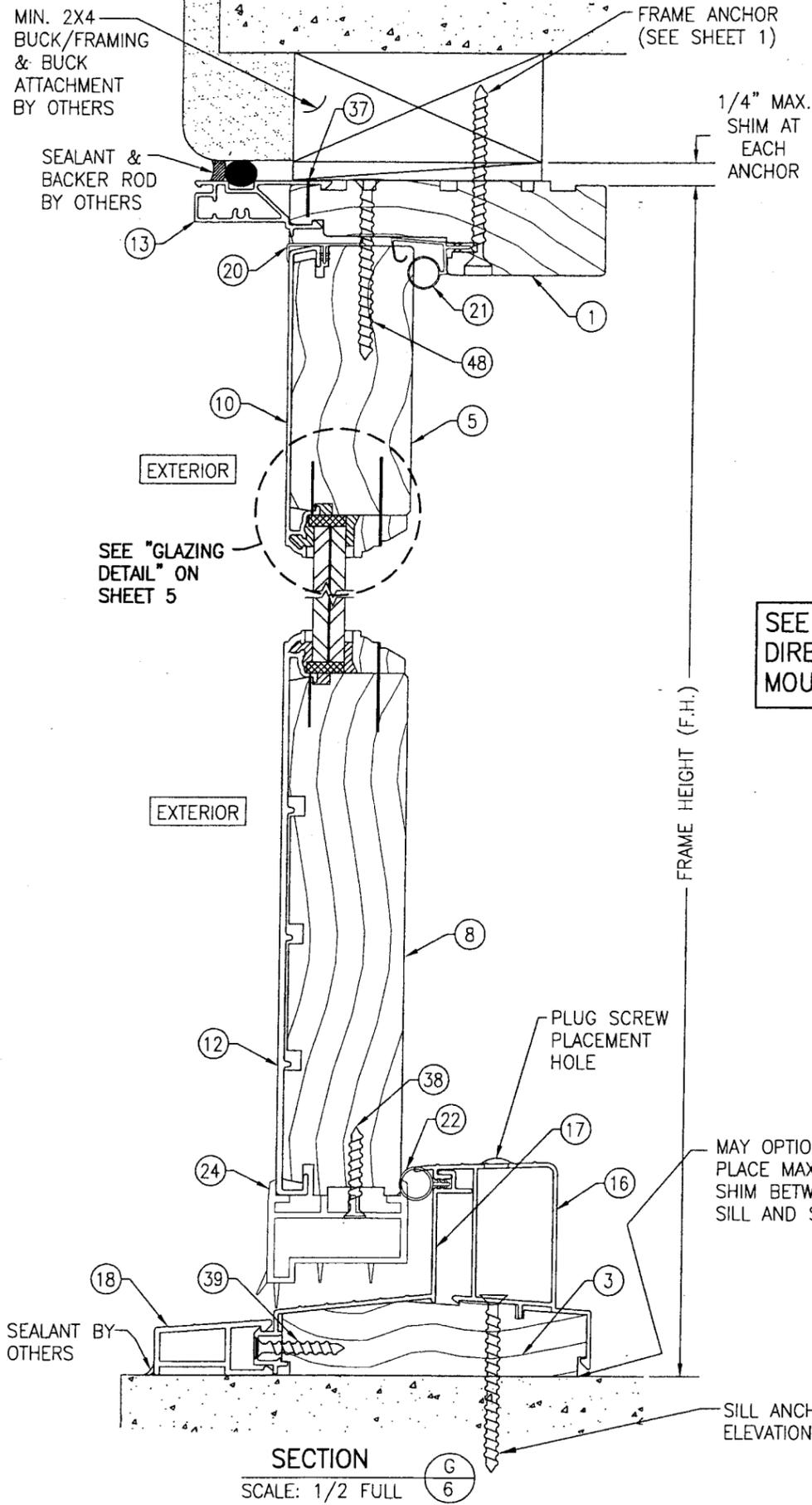


- GLAZING DETAIL**
- OPTION 1) CARDINAL SGP LAMINATED GLASS 7/16" THICK OVERALL (3/16" AN./0.090 SGP/3/16" AN.)
 - OPTION 2) CARDINAL SEASTORM TYPE "B" LAMINATED GLASS 7/16" THICK OVERALL (3/16" AN./0.015 PVB/0.007 PET/0.075 PVB) 3/16" AN.) OR (3/16" AN./0.045 PVB/0.007 PET/0.045 PVB) 3/16" AN.)

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 05-0118.01
 Expiration Date 10/31/07
 By *M. Schaefer*
 Miami Code Product Control Division

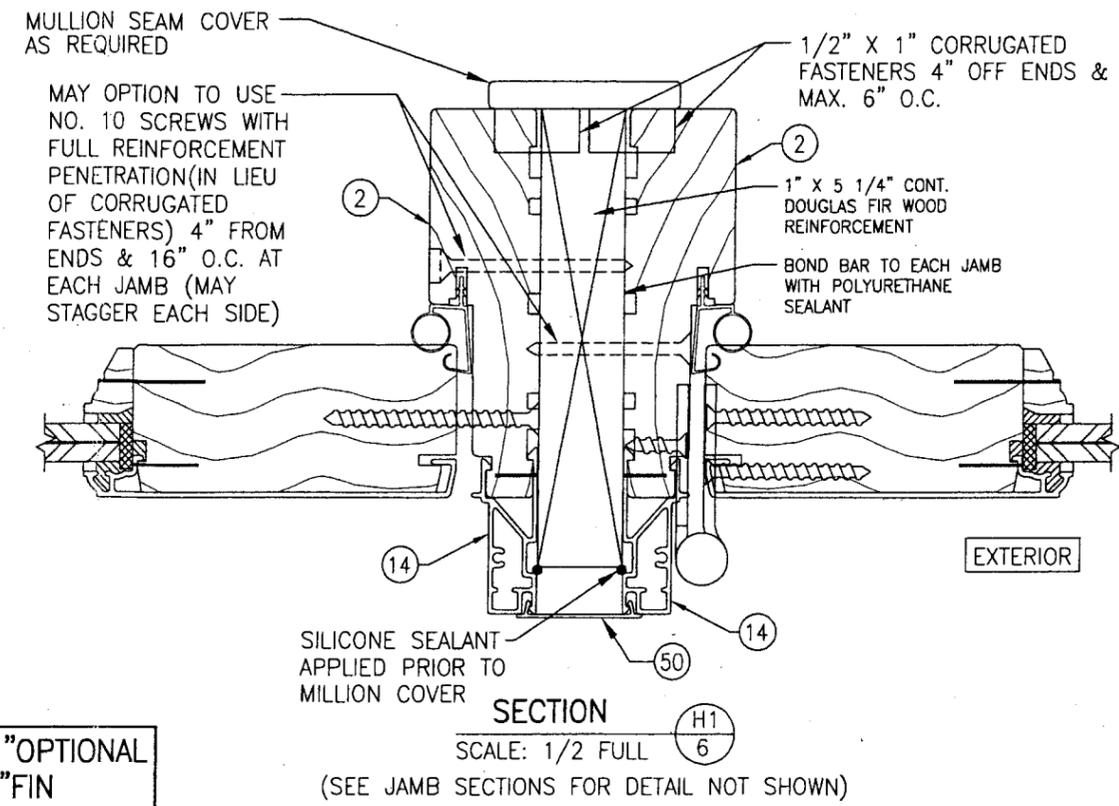
PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 07-0130.21
 Expiration Date OCT 31 2012
 By *Mauro*
 Miami Code Product Control Division

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 05/05/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR	
MANUFACTURER C.P. LOEWEN ENTERPRISES 77 P.O. BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8885 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION JAN 1 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1102 REV. A SHEET NO. 5 OF 8

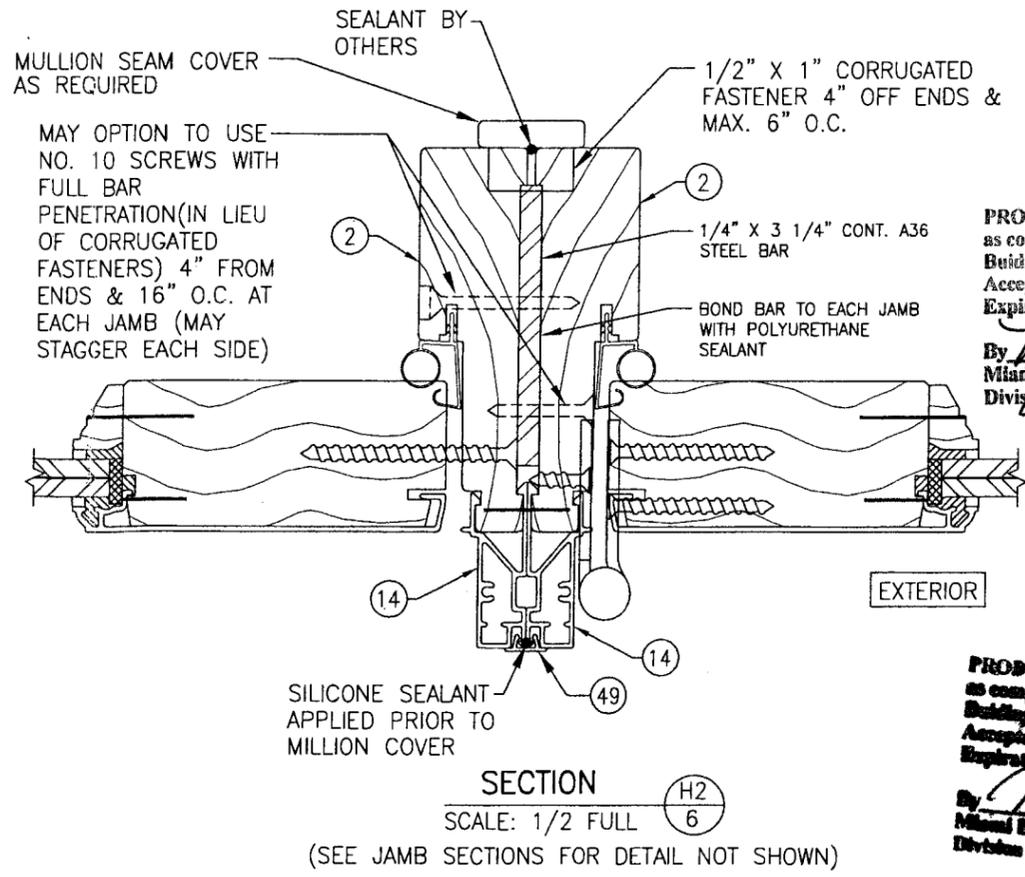


SECTION G
SCALE: 1/2 FULL

SEE SHEET 4 FOR "OPTIONAL DIRECT MOUNT" & "FIN MOUNT" DETAILS.



SECTION H1
SCALE: 1/2 FULL
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)

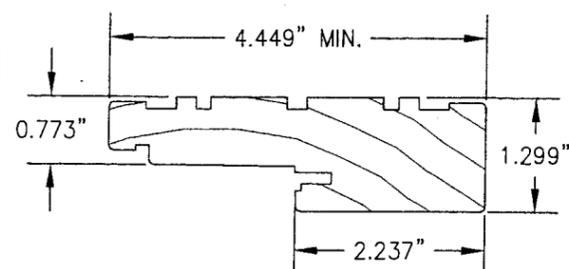


SECTION H2
SCALE: 1/2 FULL
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)

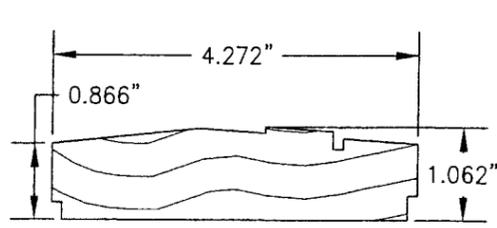
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. **07-0130.21**
Expiration Date **02/31/2012**
By *Manuel Serr*
Miami/Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. **05-011801**
Expiration Date **10/31/02**
By *M. Stahl*
Miami/Dade Product Control Division

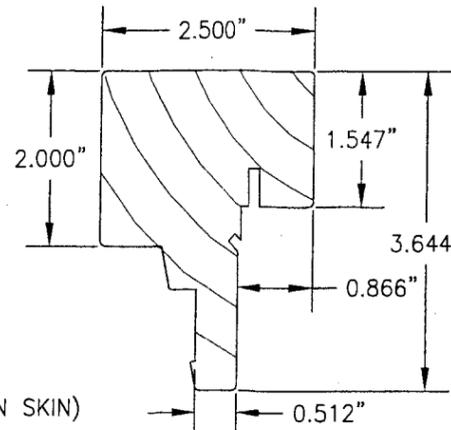
DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 05/05/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: C.P. LOEWEN ENTERPRISES	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	
CERTIFICATION: <i>Manuel Serr</i> JAN 11 2005	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1102	REV. A	SHEET NO. 6 OF 8	



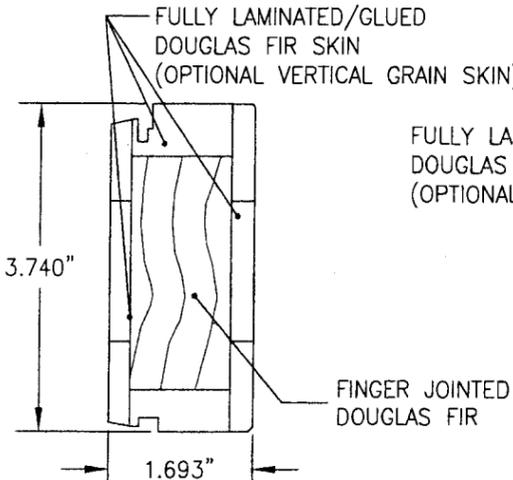
① ② HEAD & SIDE JAMB



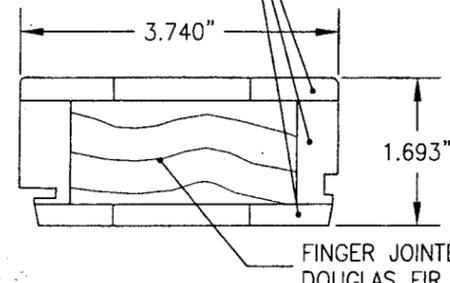
③ SILL JAMB



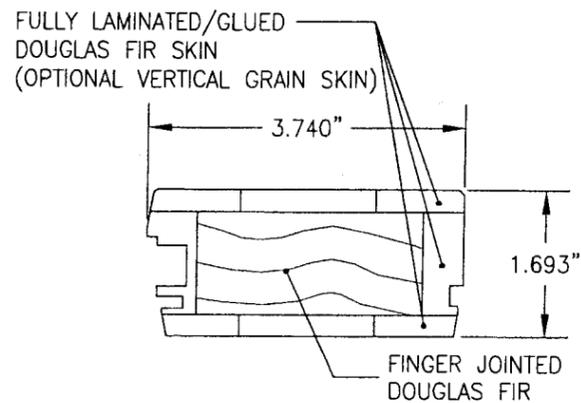
④ ASTRIGAL



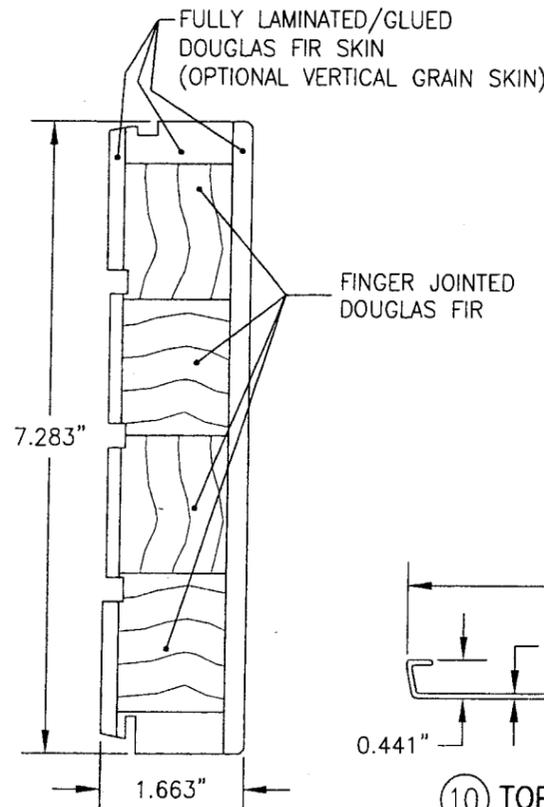
⑤ TOP RAIL



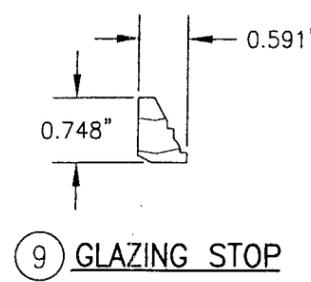
⑥ HINGE SIDE STILE



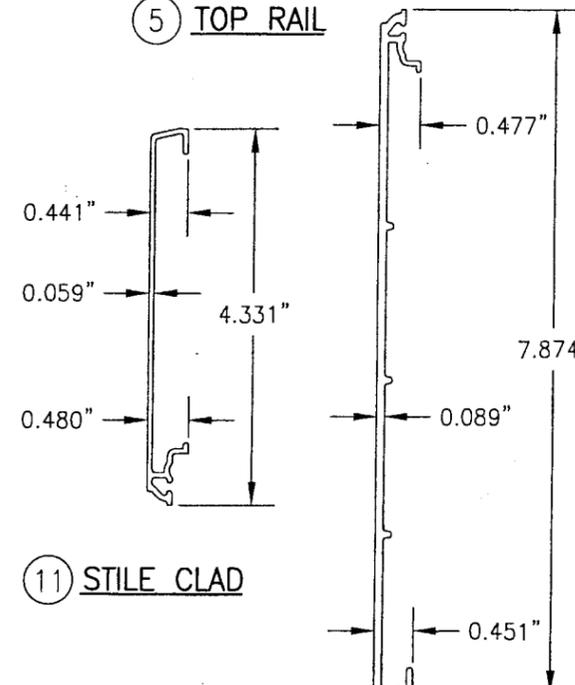
⑦ LOCK SIDE STILE



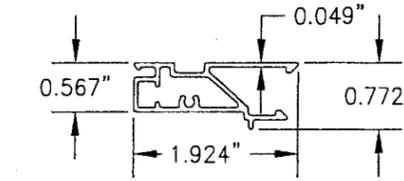
⑧ BOTTOM RAIL



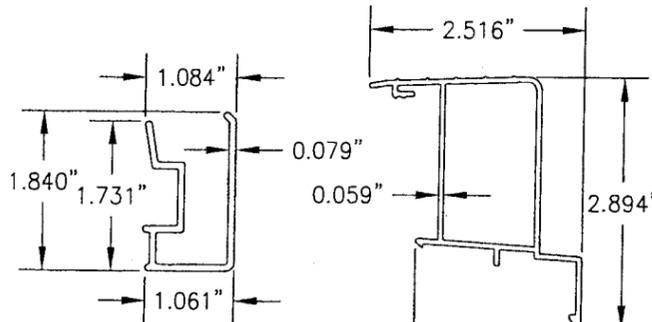
⑨ GLAZING STOP



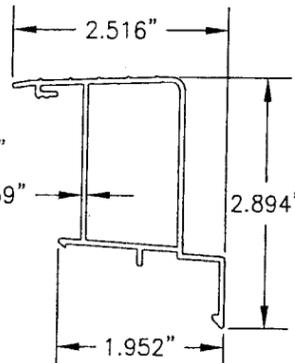
⑪ STILE CLAD



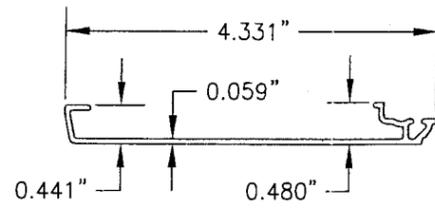
⑬ ⑭ JAMB CLAD



⑮ ASTRIGAL CLAD

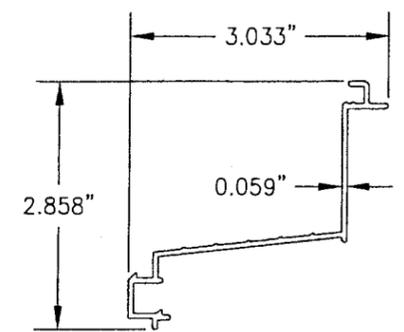


⑯ SILL CLAD



⑩ TOP RAIL CLAD

⑫ BOTTOM RAIL CLAD



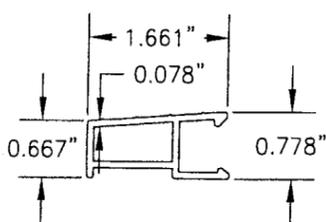
⑰ THERMAL BREAK

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0130.21
 Expiration Date 07-31-2012

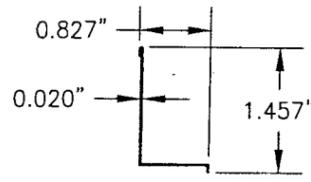
By *Manuel Perez*
 Miami Trade Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0118.01
 Expiration Date 10/31/07

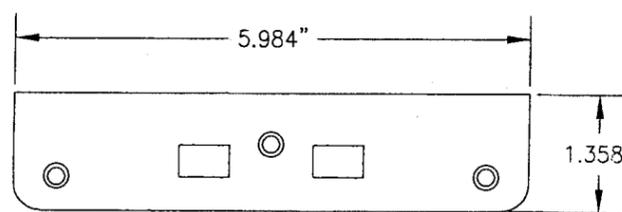
By *Warren W. Schaefer*
 Miami Trade Product Control
 Division



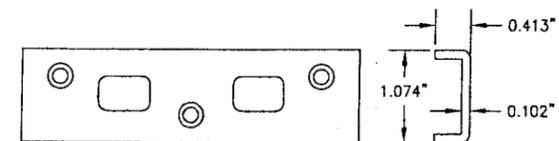
⑱ SILL NOSE



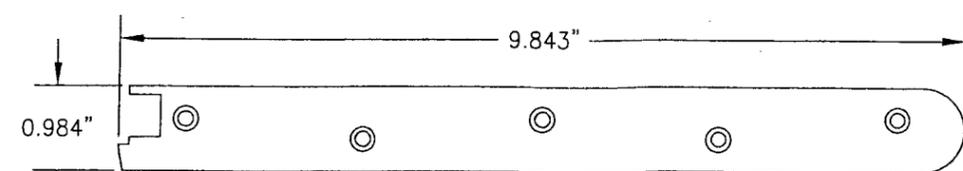
⑲ NAIL FIN



⑳ TOP STRIKE PLATE (DOUBLE DOOR)
 (1/8\"/>



㉟ SILL STRIKE PLATE (DOUBLE DOOR)



㉑ TOP RAIL STRUCTURAL PLATE

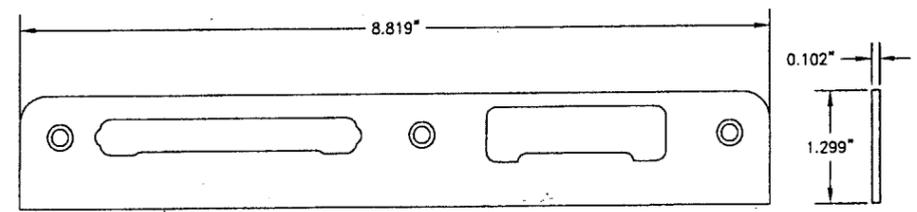
NOTE: ATTACH STRIKE TO PANEL WITH FIVE (5) #7 X 2\"/>

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 05/05/02	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: C.P. LOEWEN ENTERPRISES	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		77 P.T.H. 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	
CERTIFICATION	JAN 11 2005 <i>Warren W. Schaefer</i> P.E. NO. 44135		
DRAWING NO.	REV.	SHEET NO.	
1102	A	7 OF 8	

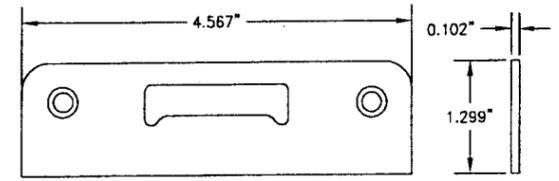
ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	1876	HEAD JAMB	* WOOD
2	1874	SIDE JAMB	* WOOD
3	1422	SILL JAMB	* WOOD
4	1837	ASTRIGAL	* WOOD
5	1828/1839	TOP RAIL/VERTICAL GRAIN TOP RAIL	* WOOD
6	1826/1835	HINGE SIDE STILE/VERTICAL GRAIN HINGE STILE	* WOOD
7	1824/1833	LOCK SIDE STILE/VERTICAL GRAIN LOCK STILE	* WOOD
8	1822/1831	BOTTOM RAIL/VERTICAL GRAIN BOTTOM RAIL	* WOOD
9	4493	GLAZING STOP	* WOOD
10	1854	TOP RAIL CLAD	6060-T5 ALUMINUM
11	1856	LOCK & HINGE SIDE STILE CLAD	6060-T5 ALUMINUM
12	1852	BOTTOM RAIL CLAD	6060-T5 ALUMINUM
13	1472	HEAD JAMB CLAD	6060-T5 ALUMINUM
14	1475	SIDE JAMB CLAD	6060-T5 ALUMINUM
15	1859	ASTRIGAL CLAD	6060-T5 ALUMINUM
16	1462	SILL CLAD	6060-T5 ALUMINUM
17	1479	THERMAL BREAK @ SILL	6060-T5 ALUMINUM
18	1850	SILL NOSE	6060-T5 ALUMINUM
19	4940	NAIL FIN	STEEL (Fy = 50 KSI MIN.)
XX	-	MULLION (1" X 5 1/4" X LENGTH)	* WOOD
XX	-	MULLION (1/4" X 3 1/4" X LENGTH)	STEEL
SEALS & SEALANTS			
20	4973	TOP RAIL CAP	SPARTECH: #R2405C
21	1894	JAMB WEATHERSTRIP	INTEK: #50178A
22	1889	SILL WEATHERSTRIP	GENERAL WINDOWS: #F821
23	-	ASTRIGAL WEATHERSTRIP	SSI: #CAP-425 OR ULTRAFAB: #E104186N
24	1882	OUTSWING SWEEP	RIGID PVC; SPARTECH: #R-2481B
HARDWARE			
25	-	5-POINT LOCK HARDWARE (ACTIVE PANEL)	FUHR 856 SERIES
26	-	2-POINT LOCK HARDWARE (INACTIVE PANEL)	FUHR 856 SERIES
27	-	BALL BEARING BUTT HINGE	HAGER: #RCBB1279 (BRASS, S.S. OR PLATED STEEL)
28	-	ADJUSTABLE HINGE	SIMONSWERK-2D ULTIMATE HINGE (BRASS, S.S. OR PLATED STEEL)
29	1846	DOUBLE DOOR TOP STRIKE PLATE	BRASS
30	1825	DOUBLE DOOR BOTTOM STRIKE PLATE	STAINLESS STEEL
31	1845	STRUCTURAL CORNER PLATE	STAINLESS STEEL (@ TOP & BOTTOM RAIL OF ACTIVE PANEL ONLY)
32	-	LATCH AND DEAD BOLT STRIKE PLATE	FUHR: # RF38212SS
33	-	HOOK BOLT STRIKE PLATE	FUHR: #W4-020601
34	-	HANDLE	AS REQUIRED TO OPERATE DOOR HARDWARE
35	1846	SINGLE DOOR TOP STRIKE PLATE	BRASS
36	1825	SINGLE DOOR BOTTOM STRIKE PLATE	STAINLESS STEEL
MISCELLANEOUS FASTENERS			
37	-	18 GA. X 1/2" PIN NAIL	3 OR 4 PER LENGTH AS REQUIRED TO SECURE JAMB CLAD
38	-	NO. 6 X 1" PH SMS	4 SCREWS EQUALLY SPACED
39	-	NO. 6 X 1 1/4" FH SMS	3 MIN. TO SECURE THERMAL BARRIER
40	-	NO. 8 X 2" FH SMS	5 PER PANEL CORNER PLATE
41	-	NO. 8 X 3/4" FH SMS	2 PER TOP/BOTTOM AND 3 PER MIDDLE ADJUSTABLE HINGE INTO JAMB
42	-	NO. 12 X 3/4" FH SMS	2 PER TOP/BOTTOM AND 3 PER MIDDLE BUTT HINGE INTO JAMB
43	-	NO. 8 X 2" FH WOOD SCREW	4 PER ADJUSTABLE HINGE IN TO PANEL
44	-	NO. 12 X 2" FH WOOD SCREW	4 PER BUTT HINGE INTO PANEL
45	-	NO. 8 X 3" FH WOOD SCREW	8 PER ASTRIGAL; 1 1/2", 3 1/2" & 5 1/2" FROM ENDS + 2 @ 1/3 PTS
46	-	NO. 8 X 2 1/2" FH WOOD SCREW	2 SCREWS 1 1/4" FROM ASTRIGAL ENDS & 14" O.C.
47	-	NO. 8 X 2" FH WOOD SCREW	AS REQUIRED FOR DOOR HARDWARE
48	-	NO. 8 X 2 1/2" FH WOOD SCREW	WITHIN 5" FROM CORNERS & 8" MAX. O.C.
MULLION CLIPS			
49	4950	STANDARD MULLION CLIP	6060-T5 ALUMINUM
50	-	1" MULLION CLIP	6060-T5 ALUMINUM

* WOOD USED WITH TEST UNITS WAS GRADE 2 NORTHERN DOUGLAS FIR. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, OAK, CHERRY, MAPLE & CYPRUS.

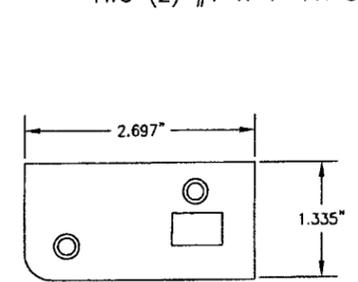
NOTE: ALL WOOD IS RECEIVED BY LOEWEN WINDOWS AS GRADE 2, BUT IS MACHINED BY LOEWEN TO A SELECT GRADE USE.



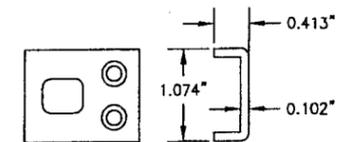
32 LATCH & DEAD BOLT STRIKE PLATE
NOTE: ATTACH STRIKE TO PANEL/JAMB WITH FIVE (5) #7 X 1" FH SMS.



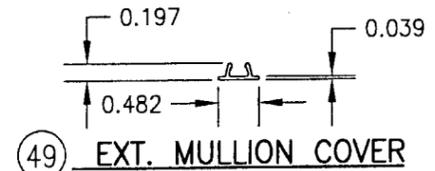
33 HOOK BOLT STRIKE PLATE
NOTE: ATTACH STRIKE TO PANEL/JAMB WITH TWO (2) #7 X 1" FH SMS.



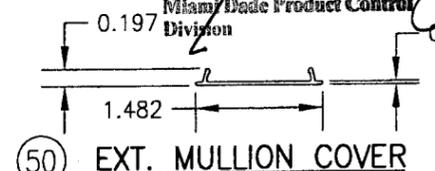
35 TOP STRIKE PLATE (SINGLE DOOR)
(1/8" THICK)



36 BOTTOM STRIKE PLATE (SINGLE DOOR)



49 EXT. MULLION COVER



50 EXT. MULLION COVER

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 07-0130-21
Expiration Date 07-31-2012
By *Mmanuel Sere*
Miami/Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0118-01
Expiration Date 10/31/10
By *M. Shalk*
Miami/Dade Product Control
Division

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 05/05/02
DATE	
BY	
NO.	REVISION DESCRIPTION
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MANUFACTURER C.P. LOEWEN ENTERPRISES 77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	
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DRAWING NO. REV. 1102 A	
SHEET NO. 8 OF 8	
CERTIFICATION JAN 11 2005 WARREN W. SCHAEFER P.E. P.E. NO. 44135	