



**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**

NOTICE OF ACCEPTANCE (NOA)

**C.P. Loewen Enterprises
77 P.T.H. 52 West, Box 2260
Steinbach, MB Canada ROA 2AO**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Clad Outswing Wood French Door

APPROVAL DOCUMENT: Drawing No. 1102, titled "Aluminum Clad Wood Impact Outswing French Door", sheets 1 through 6 of 6, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 7/31/01, signed and sealed by Warren 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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.

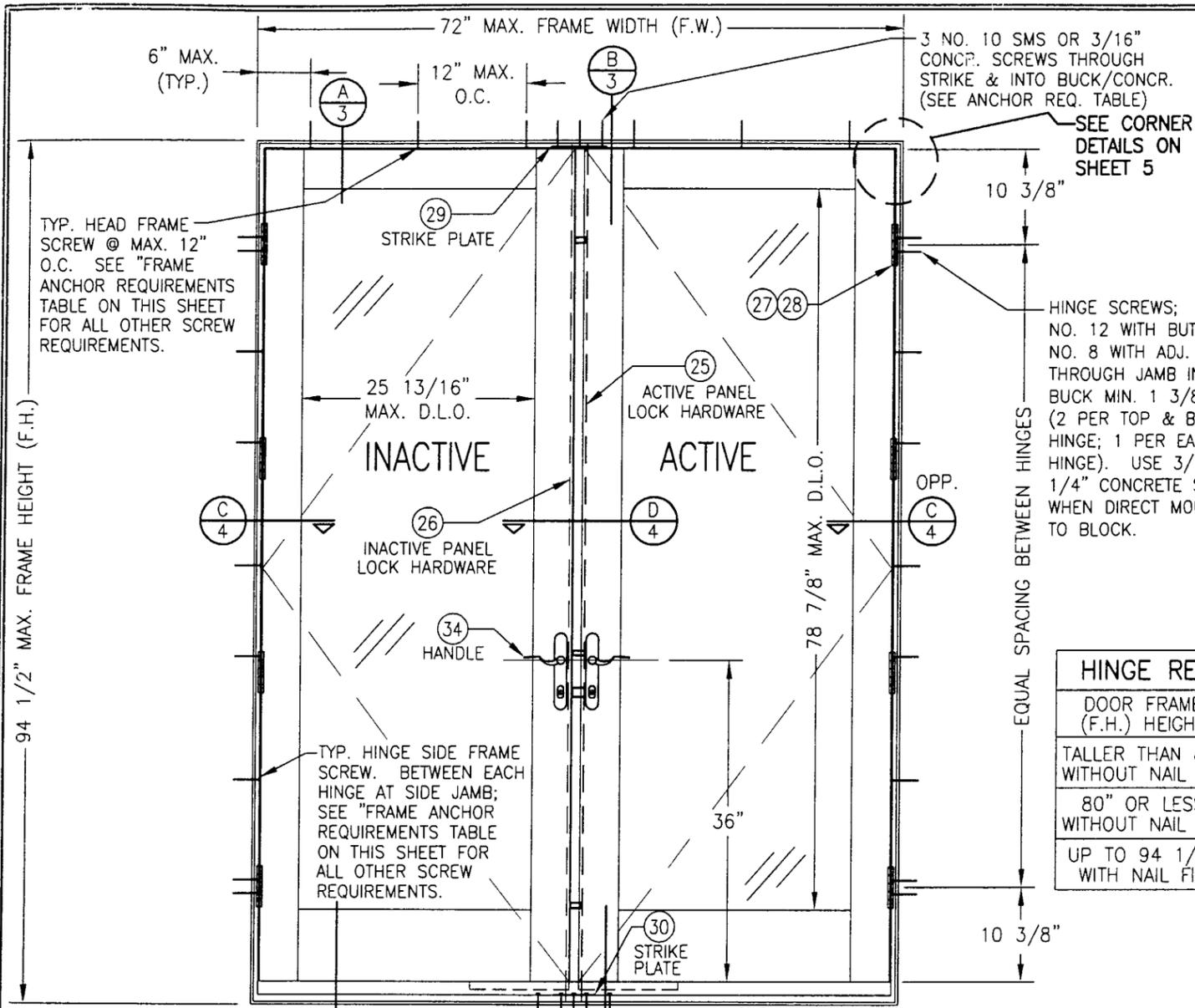
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

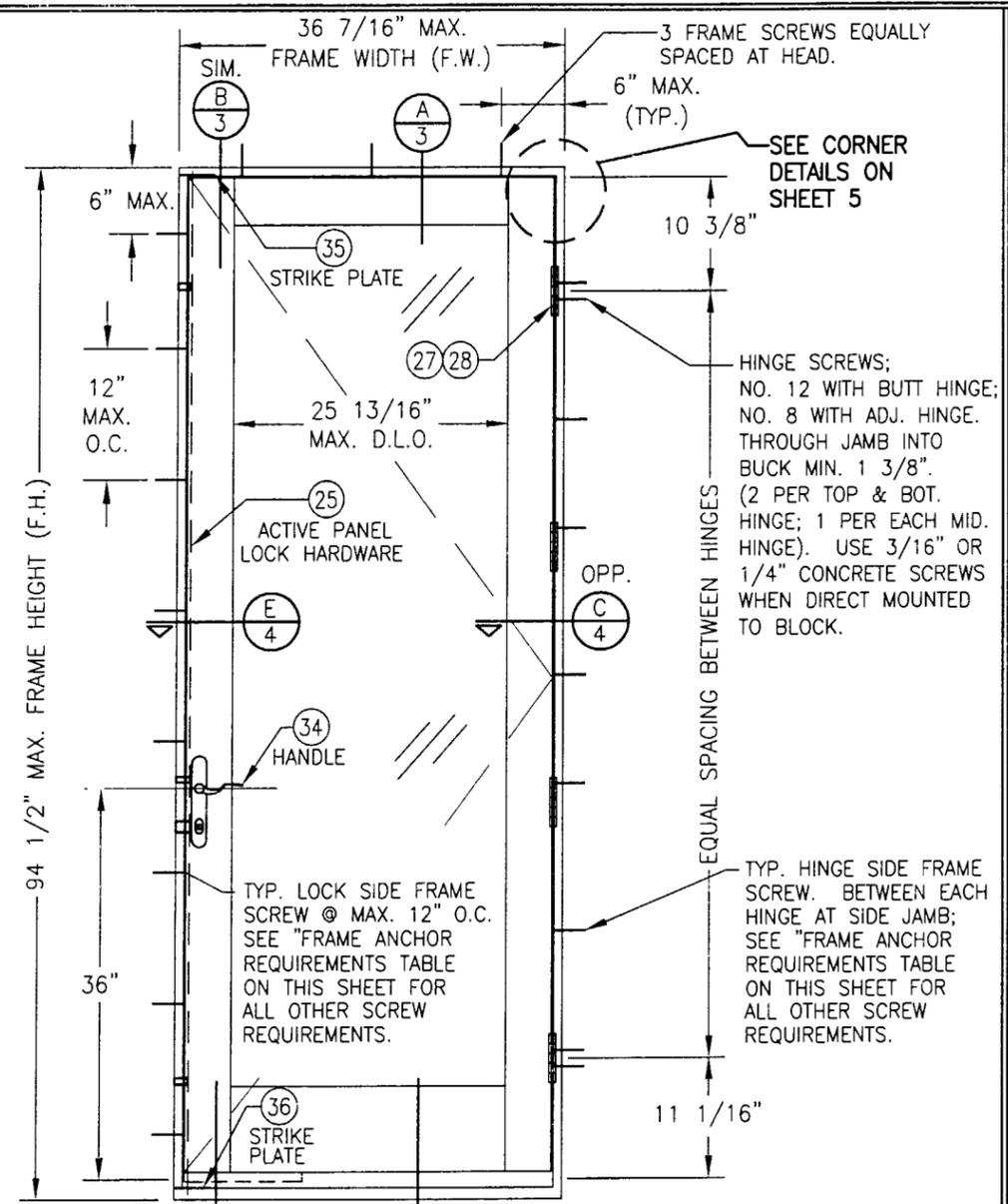


**NOA No 02-0821.05
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1**



HINGE REQUIREMENTS	
DOOR FRAME (F.H.) HEIGHT	# OF HINGES REQUIRED
TALLER THAN 80\"/>	

**EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR
(SHEAR SCREW MOUNT)**
SCALE: 3/4\"/>



**EXTERIOR ELEVATION
SINGLE OUTSWING DOOR
(SHEAR SCREW MOUNT)**
SCALE: 3/4\"/>

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
70 PSF	70 PSF

Approved as complying with the Florida Building Code
Date 10/31/02
NOA# 02-082105
Miami Dade Product Control Division
By *Warren W. Schaefer*

- GENERAL NOTES**
1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
 2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
 5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
 6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
 7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

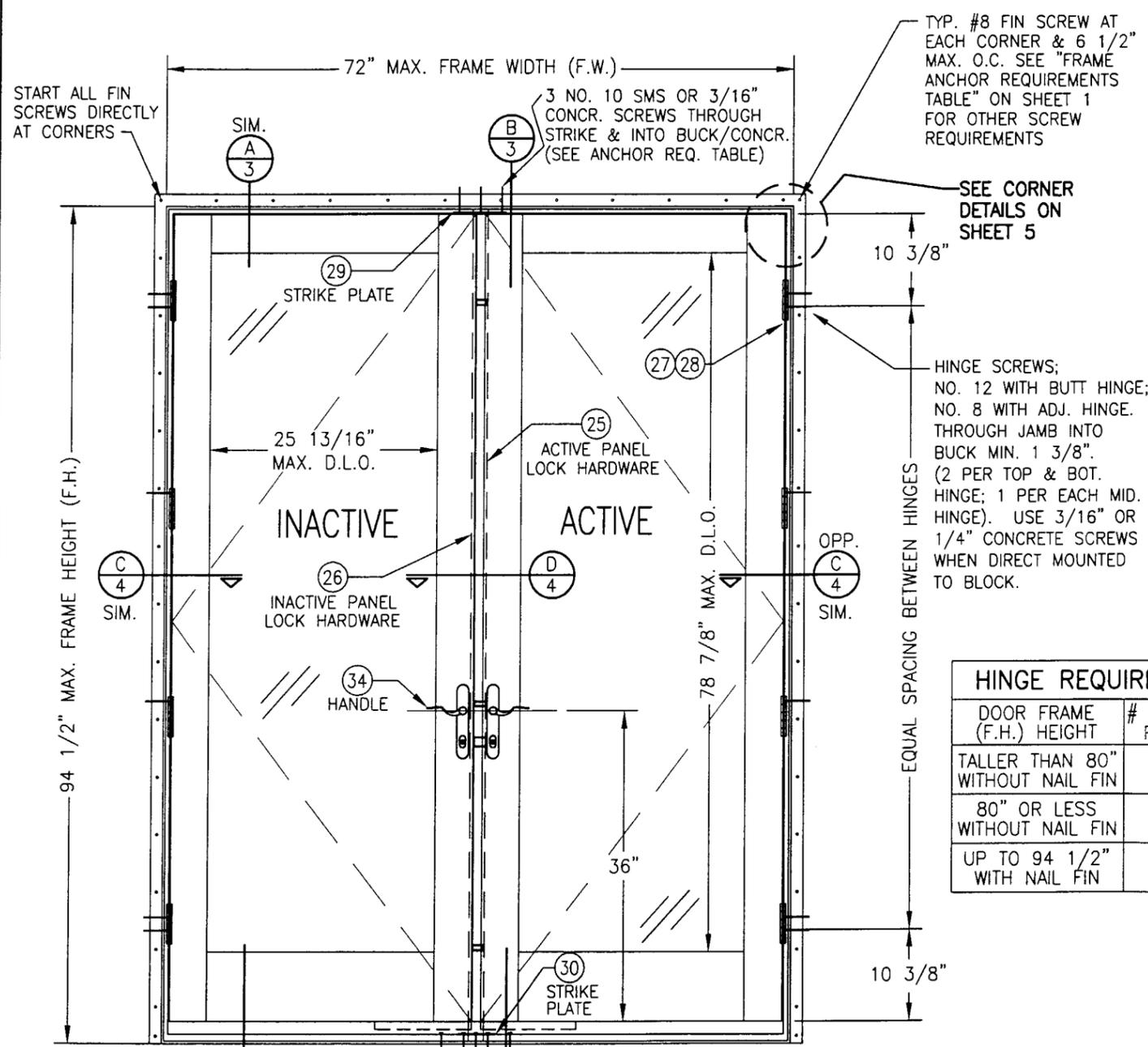
FRAME ANCHOR REQUIREMENTS TABLE			
* SHEAR SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	3/8"	3/4"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREWS	1 1/4"	2"
FIN SCREWS			
2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 3/8"	3/4"

(1) CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER. (HARDENED STEEL OR S.S.)

* SHEAR SCREW ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED THROUGH JAMB TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN ANCHORED WITH NAIL FIN INTO 2X4 BUCK, NO. 8 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 07/31/02
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER C.P. LOEWEN ENTERPRISES
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	77 P.T.H. 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446
CERTIFICATION AUG 12 2002 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1102
	REV. 1 OF 6

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

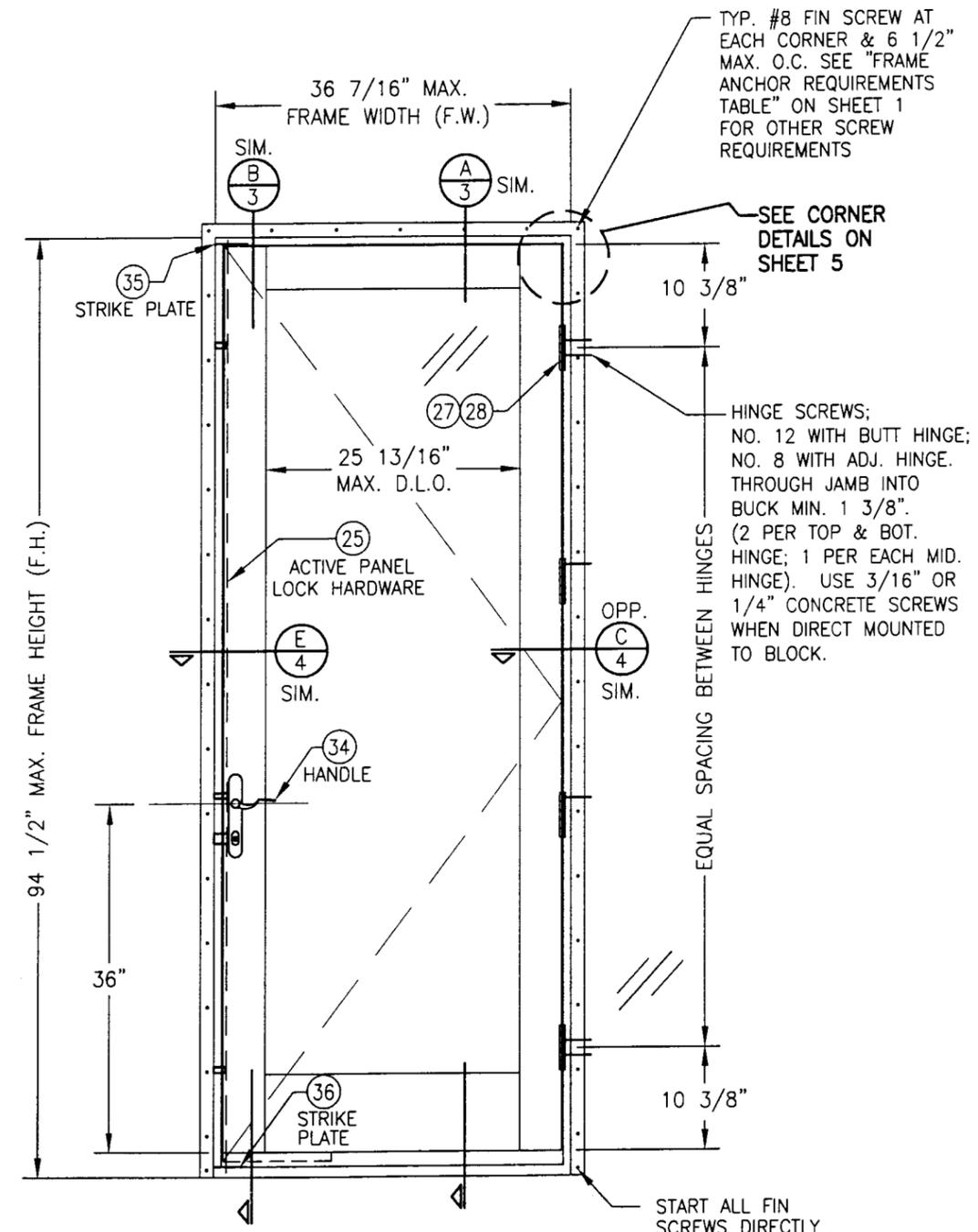
HINGE SCREWS; NO. 12 WITH BUTT HINGE; NO. 8 WITH ADJ. HINGE THROUGH JAMB INTO BUCK MIN. 1 3/8". (2 PER TOP & BOT. HINGE; 1 PER EACH MID. HINGE). USE 3/16" OR 1/4" CONCRETE SCREWS WHEN DIRECT MOUNTED TO BLOCK.

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

3 NO. 10 SMS OR 3/16" CONCR. SCREWS THROUGH STRIKE & INTO BUCK/CONCR. (SEE ANCHOR REQ. TABLE)

SILL SCREW EA. SIDE OF STRIKE WITHIN 4" OF STRIKE CENTER. SEE "FRAME ANCHOR REQUIREMENTS TABLE" FOR ALL OTHER SCREW REQUIREMENTS.

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



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.

START ALL FIN SCREWS DIRECTLY AT CORNERS

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

Approved as complying with the Florida Building Code
Date 10/31/02
NOA# 02-0821.05
Miami Dade Product Control
Division
By *Warren W. Schaefer*

DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR

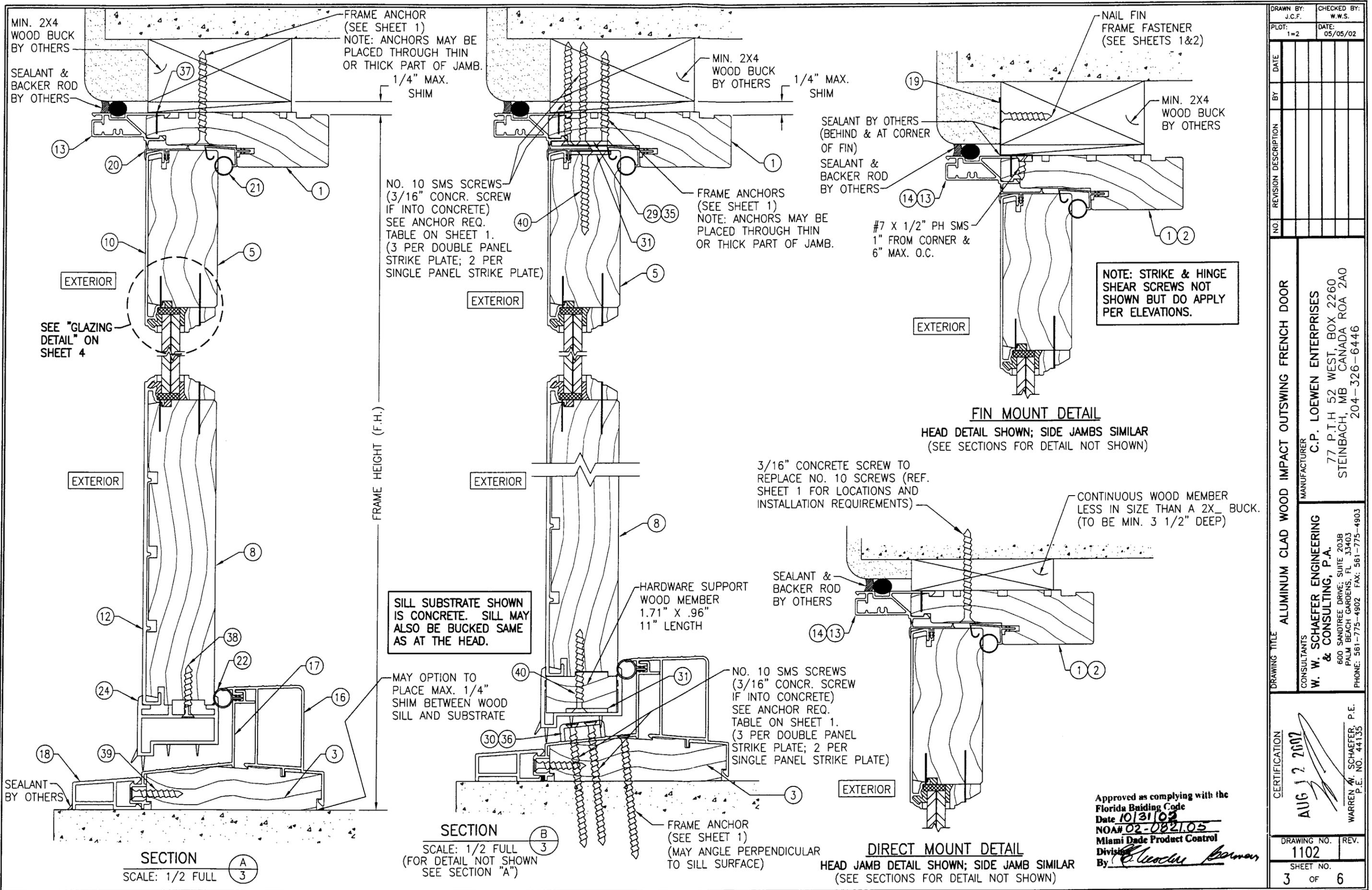
MANUFACTURER: C.P. LOEWEN ENTERPRISES
77 P.T.H 52 WEST, BOX 2260
STEINBACH, MB CANADA ROA 2A0
204-326-6446

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

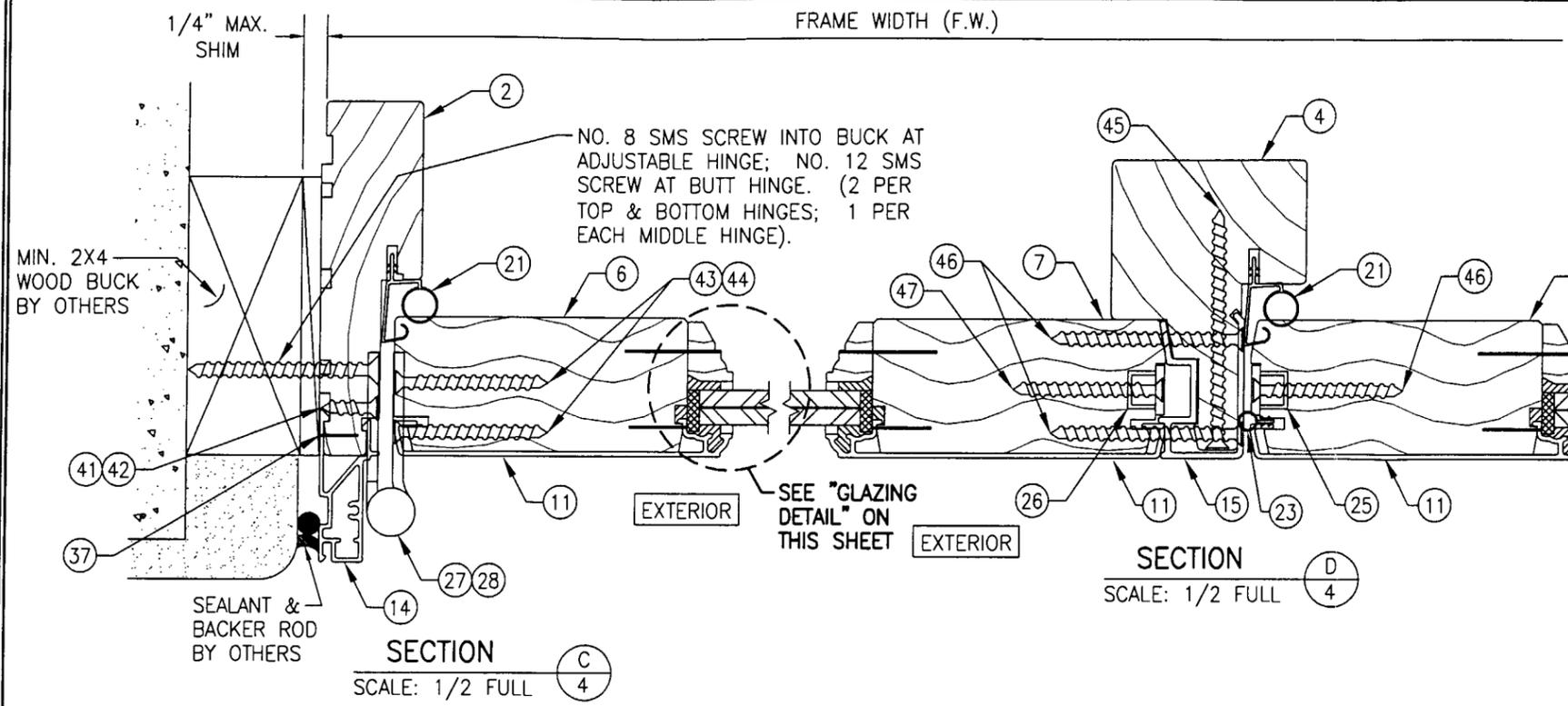
CERTIFICATION
AUG 12 2002

WARREN W. SCHAEFER, P.E.
P.E. NO. 44133

DRAWING NO. 1102
SHEET NO. 2 OF 6



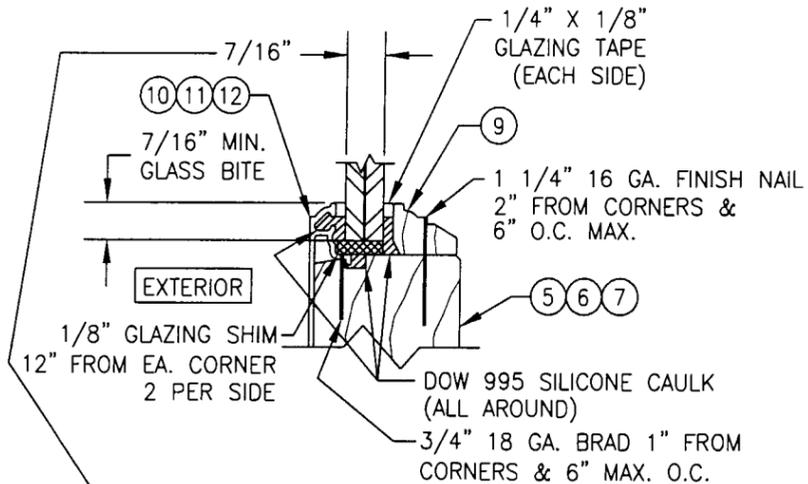
DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 05/05/02	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER C.P. LOEWEN ENTERPRISES	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446	
CERTIFICATION AUG 12 2002			
Approved as complying with the Florida Building Code Date 10/31/02 NOA# 02-0821.05 Miami Dade Product Control Division By: <i>Charles Barman</i>			
DRAWING NO. 1102		REV.	
SHEET NO. 3		OF 6	



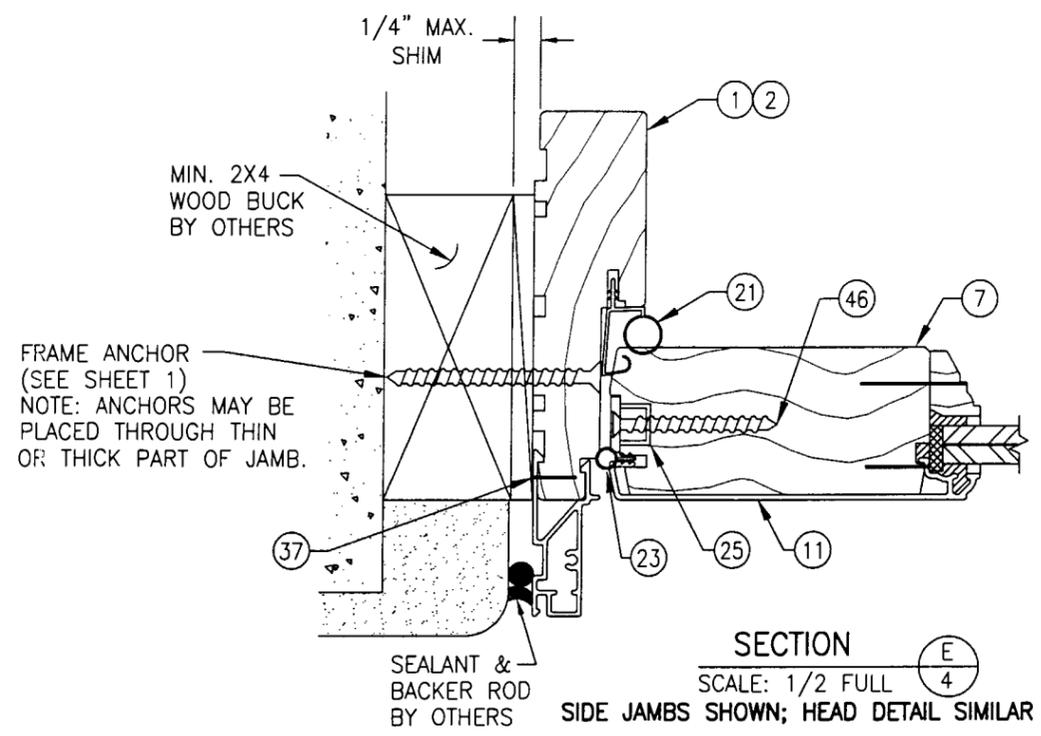
CORNER CONSTRUCTION:
PANEL TOP:
 WOOD MEMBERS ARE JOINED BY TWO (2) FULLY GLUED $\phi 5/8$ " X 6" BIRCH DOWELS 3" INTO EACH THE STILE & RAIL MEMBER.
PANEL BOTTOM:
 WOOD MEMBERS ARE JOINED BY FOUR (4) FULLY GLUED $\phi 5/8$ " X 6" BIRCH DOWELS 3" INTO EACH THE STILE & RAIL MEMBER.
PANEL CLAD:
 THE SASH 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 & 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.

SECTION D
 SCALE: 1/2 FULL

SEE SHEET 3 FOR "OPTIONAL DIRECT MOUNT" & "NAIL FIN MOUNT" DETAILS.



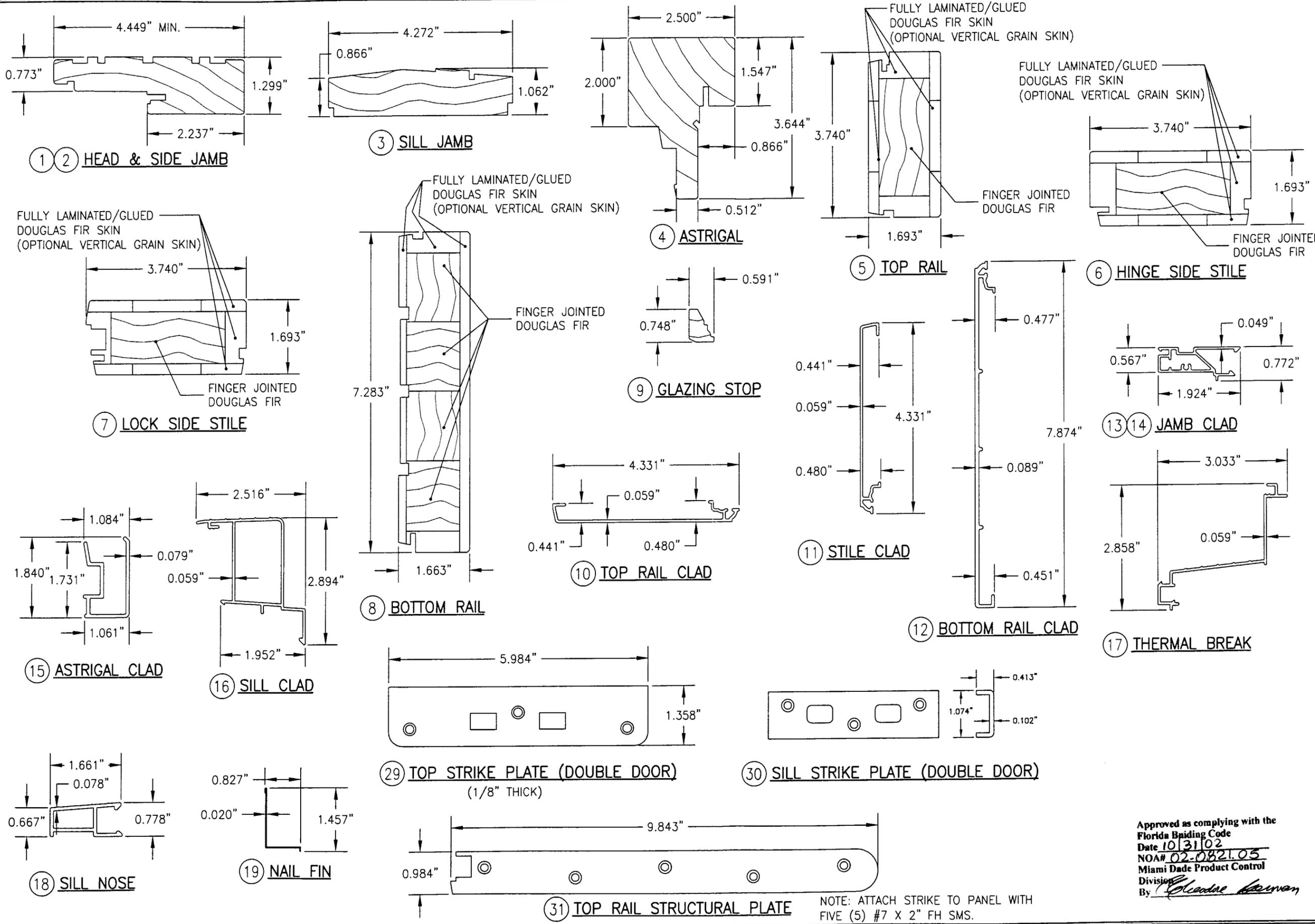
- GLAZING DETAIL**
- OPTION 1) CARDINAL SGP LAMINATED GLASS 7/16" THICK OVERALL (3/16" AN./0.090 SGP/3/16" AN.)
 - OPTION 2) CARDINAL SEASTORM TYPE "B" LAMINATED GLASS 7/16" THICK OVERALL (3/16" AN./0.015 PVB/0.007 PET/0.075 PVB) 3/16" AN.) OR (3/16" AN./0.045 PVB/0.007 PET/0.045 PVB) 3/16" AN.)



SECTION E
 SCALE: 1/2 FULL
 SIDE JAMBS SHOWN; HEAD DETAIL SIMILAR

Approved as complying with the Florida Building Code
 Date 10/31/02
 NOA# 02-082105
 Miami Dade Product Control
 Division
 By *Charles Bernier*

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		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. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER: C.P. LOEWEN ENTERPRISES 77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446	
CERTIFICATION: A116 12 7117	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1102	REV.	SHEET NO. 4 OF 6	

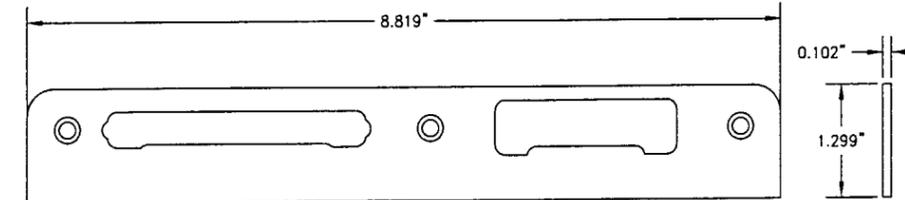


DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 05/05/02	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER C.P. LOEWEN ENTERPRISES	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		77 P.T.H. 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446	
CERTIFICATION AUG 12 2002			
Approved as complying with the Florida Building Code Date 10/31/02 NOA# 02-0821.05 Miami Dade Product Control Division By <i>Glennie Korman</i>			
DRAWING NO. 1102		REV. 	
SHEET NO. 5		OF 6	

NOTE: ATTACH STRIKE TO PANEL WITH FIVE (5) #7 X 2" FH SMS.

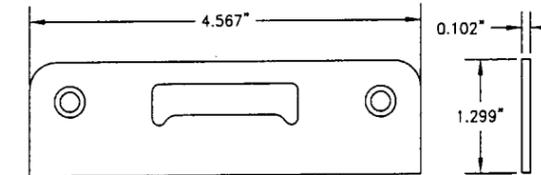
ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	1876	HEAD JAMB	* WOOD
2	1874	SIDE JAMB	* WOOD
3	1422	SILL JAMB	* WOOD
4	1837	ASTRIGAL	* WOOD
5	1828/1839	TOP RAIL/VERTICAL GRAIN TOP RAIL	* WOOD
6	1826/1835	HINGE SIDE STILE/VERTICAL GRAIN HINGE STILE	* WOOD
7	1824/1833	LOCK SIDE STILE/VERTICAL 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.)
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

* 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.



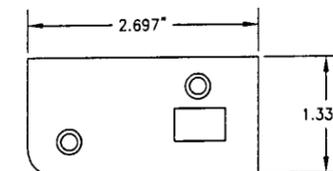
32 LATCH & DEAD BOLT STRIKE PLATE

NOTE: ATTACH STRIKE TO PANEL/JAMB WITH FIVE (5) #7 X 1" FH SMS.



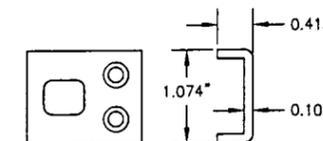
33 HOOK BOLT STRIKE PLATE

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)

Approved as complying with the Florida Building Code
Date 10/31/02
NOA# 02-0821.05
Miami Dade Product Control
Division
By: *Cherelle Newman*

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 05/05/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUTSWING FRENCH DOOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER C.P. LOEWEN ENTERPRISES 77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446
CERTIFICATION AUG 12 2002 <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44133	DRAWING NO. REV. 1102
SHEET NO. 6 OF 6	