



**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)**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**C.P. Loewen Enterprises  
77 PTH 52 West Box 2260  
Steinbach, Manitoba-Canada, R5G 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: Aluminum Clad Wood Impact Door Transoms**

**APPROVAL DOCUMENT:** Drawing No. **1395**, titled "Aluminum Clad Wood Impact Door Transom Windows", sheets 1 through 6 of 6, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 10/31/05, 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 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 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



*J. Gascon  
7/12/06*

**NOA No 06-0413.07  
Expiration Date: August 03, 2011  
Approval Date: August 03, 2006  
Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1395** titled "Aluminum Clad Wood Impact Door Transom Windows", sheets 1 through 6 of 6, dated 10/31/05, 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 202-94  
along with marked-up drawings and installation diagram of aluminum clad wood impact door transom window, prepared by ETC Laboratories, Test Report No. **ETC-05-959-16699.0**, dated 10/17 thru 11/04/05, signed and sealed by Gerard J. Ferrara, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations, complying with FBC-2004, dated 10/19/05, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

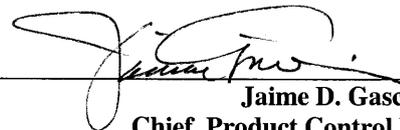
1. Notice of Acceptance No. **03-0417.01** issued to Cardinal LG. for "Laminated Glass Cardinal Sea-Storm Type B" dated 05/15/03, expiring on 12/30/07.
2. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass ® Plus" dated 01/17/02, expiring on 01/14/07.

**F. STATEMENTS**

1. Statement letter of compliance and no financial interest, dated 10/19/05, signed and sealed by Warren W. Schaefer, P.E.

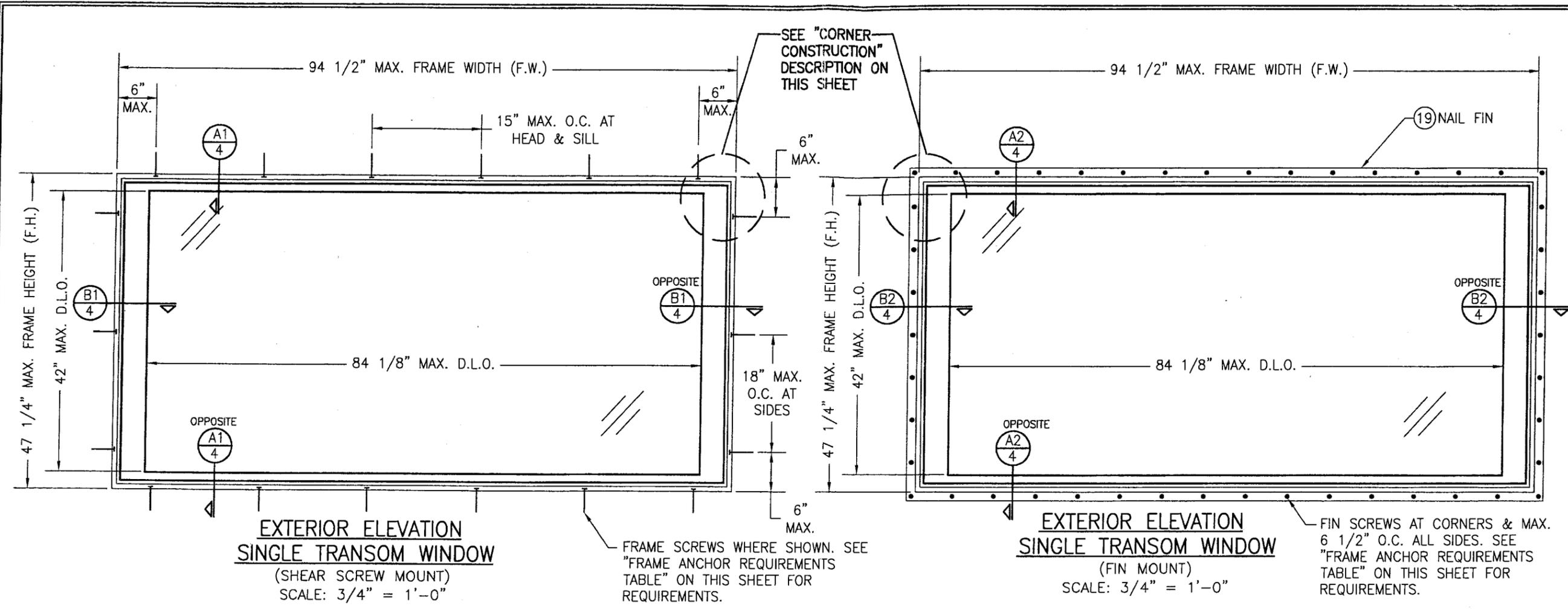
**G. OTHER**

1. Letter from the consultant, dated 07/06/06, stating that the product is in compliance with the Florida Building Code (FBC).



Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No 06-0413.07  
Expiration Date: August 03, 2011  
Approval Date: August 03, 2006

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 10/31/05
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE <b>ALUMINUM CLAD WOOD IMPACT DOOR TRANSOM WINDOWS</b>	
MANUFACTURER <b>C.P. LOEWEN ENTERPRISES</b> 77 P.T.H. 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION NOV 29 2005	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1395</b>	REV.
SHEET NO. <b>1</b>	OF <b>6</b>



**GENERAL NOTES**

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
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 THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
8. ALL FRAME ANCHORS SECURING WINDOW/DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.

**CORNER CONSTRUCTION:**

**WOOD JAMBS:** COPED, SEALED WITH DYMONIC FC, BUTTED TOGETHER AND MECHANICALLY FASTENED USING (5) 16 GA. X 2" STAPLES (3 VERTICALLY & 2 HORIZONTALLY).

**JAMB CLAD:** MITERED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING (1) NO. 6 X 1 1/2" PH SCREW. TREMSIL 600 IS APPLIED TO THE SEAM BEFORE JOINING. A CORNER KEY IS USED TO ALIGN THE CLAD PROFILES.

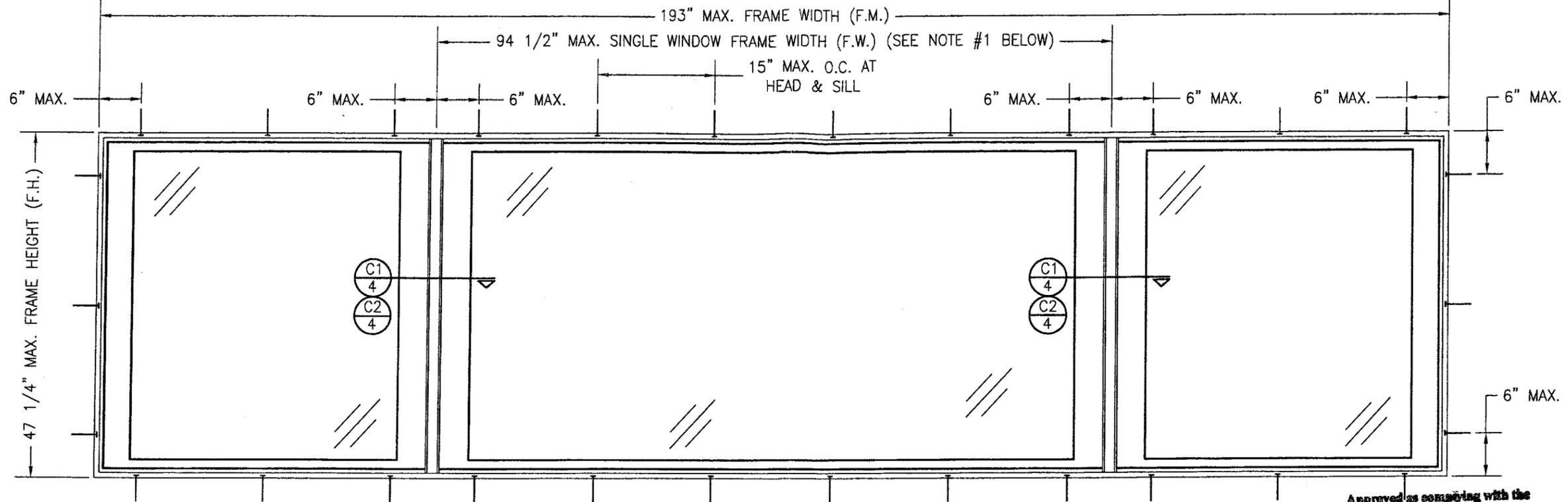
**WOOD SASH:** BUTTED AND JOINED WITH (1) Ø5/8" X 5" WOOD DOWEL FULLY GLUED INTO EACH MEMBER.

**SASH CLAD:** COPED, BUTTED TOGETHER & GLUED WITH TREMSIL 600.

**ALLOWABLE DESIGN PRESSURE**  
(SINGLE & MULTIPLE CONDITIONS)  
**+/-70 PSF**

FRAME ANCHOR REQUIREMENTS TABLE			
SHEAR SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	3/4"
CMU/CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN.18 GA. METAL (2) STUD, 1/8" THK. STEEL OR 1/8" THK. ALUMINUM	NO. 10 PREDRILLED OR SELF TAPPING SCREWS	FULL	1/2"
FIN SCREWS			
(1) 2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 1/4"	1/2"
(2) MIN.1/8" THK, A36 STEEL OR 1/8" THK. ALUMINUM	NO. 10 PREDRILLED OR SELF TAPPING SCREWS	FULL	2"
CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.). STEEL SHALL BE MIN. FY=36 KSI; ALUMINUM SHALL BE MIN. 6063-T5.			

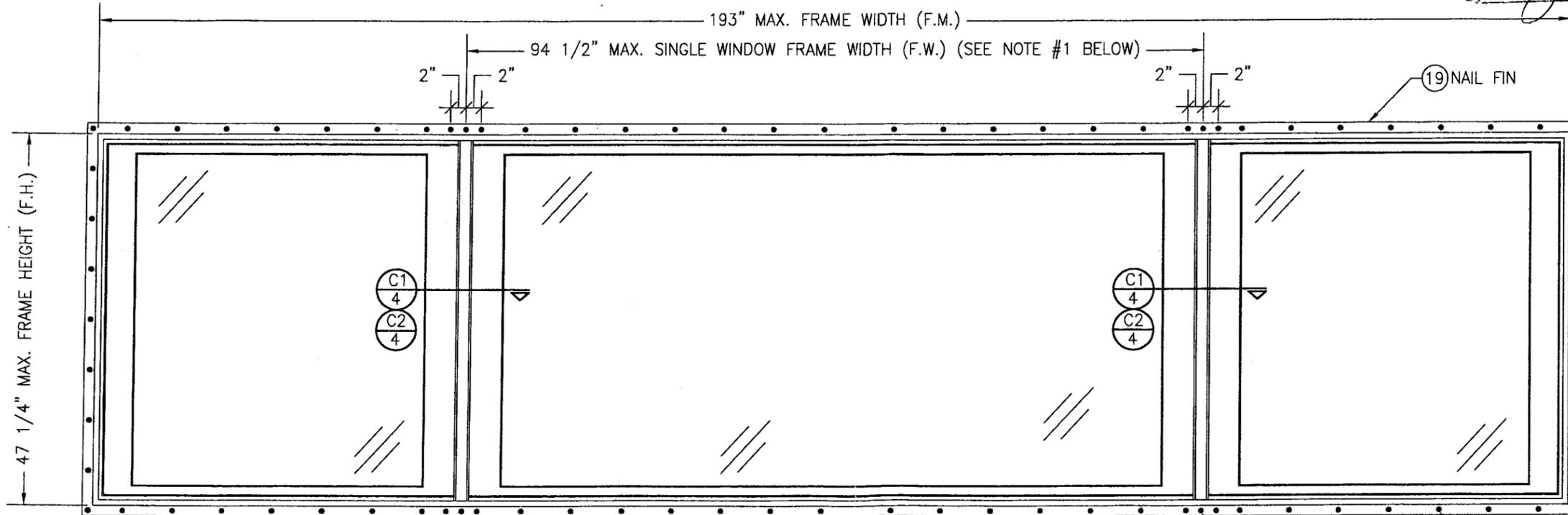
Approved as complying with the Florida Building Code  
Date 08/03/09  
NOAM 06-0413.07  
Miami Dade Product Control Division  
By *[Signature]*



EXTERIOR ELEVATION; MULTIPLE WINDOWS IN ONE FRAME

(SHEAR SCREW MOUNT)  
SCALE: 3/4" = 1'-0"

Approved as complying with the  
Florida Building Code  
Date 08/03/07  
NOA# 06-0413.07  
Miami Dade Product Control  
Division  
By *[Signature]*



EXTERIOR ELEVATION; MULTIPLE WINDOWS IN ONE FRAME

(FIN MOUNT)  
SCALE: 3/4" = 1'-0"

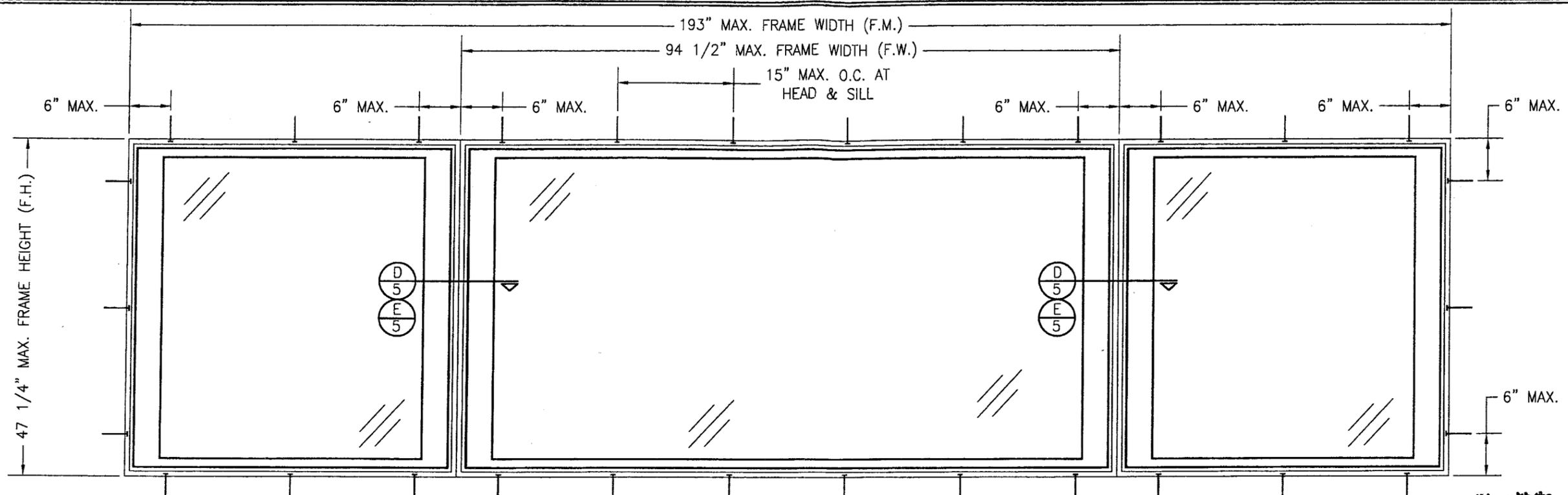
CONCENTRATE MINIMUM  
3 SCREWS AT MEETING  
STILE ENDS; SPACED 2"  
APART.

FIN SCREWS AT CORNERS &  
MAX. 6 1/2" O.C. ALL SIDES.  
SEE "FRAME ANCHOR  
REQUIREMENTS TABLE" ON THIS  
SHEET FOR REQUIREMENTS.

NOTES FOR MULTIPLE WINDOWS IN ONE FRAME:

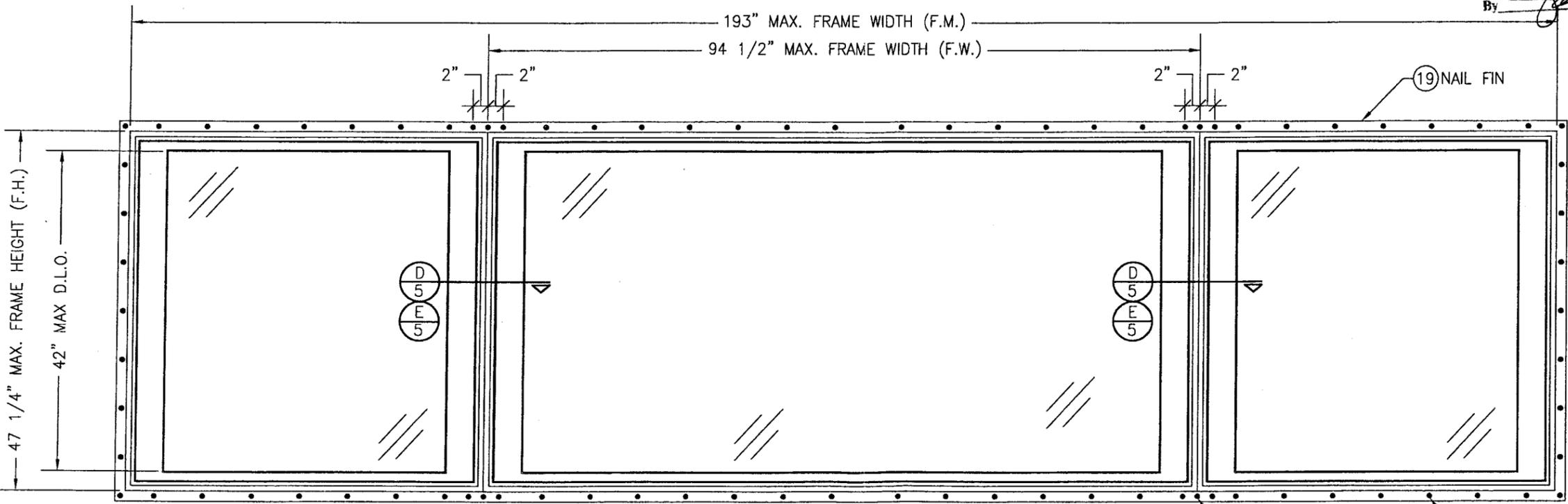
- UP TO 4 WINDOW PANELS MAY BE PLACED INTO ONE FRAME PROVIDING OVERALL FRAME WIDTH DOES NOT EXCEED 193" & NO SINGLE WINDOW EXCEEDS 94 1/2" WIDE.
- FOR DETAILS NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS ON SHEET 1.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 10/31/05	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE <b>ALUMINUM CLAD WOOD IMPACT DOOR TRANSOM WINDOWS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER <b>C.P. LOEWEN ENTERPRISES</b>	
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 NOV 29 2005			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1395		REV.	
SHEET NO. 2		OF 6	



EXTERIOR ELEVATION; MULLED UNIT  
(SHEAR SCREW MOUNT)  
SCALE: 3/4" = 1'-0"

Approved as complying with the  
Florida Building Code  
Date 08/03/04  
NOAH 06-041207  
Miami Dade Product Control  
Division  
By *[Signature]*



EXTERIOR ELEVATION; MULLED UNIT  
(FIN MOUNT)  
SCALE: 3/4" = 1'-0"

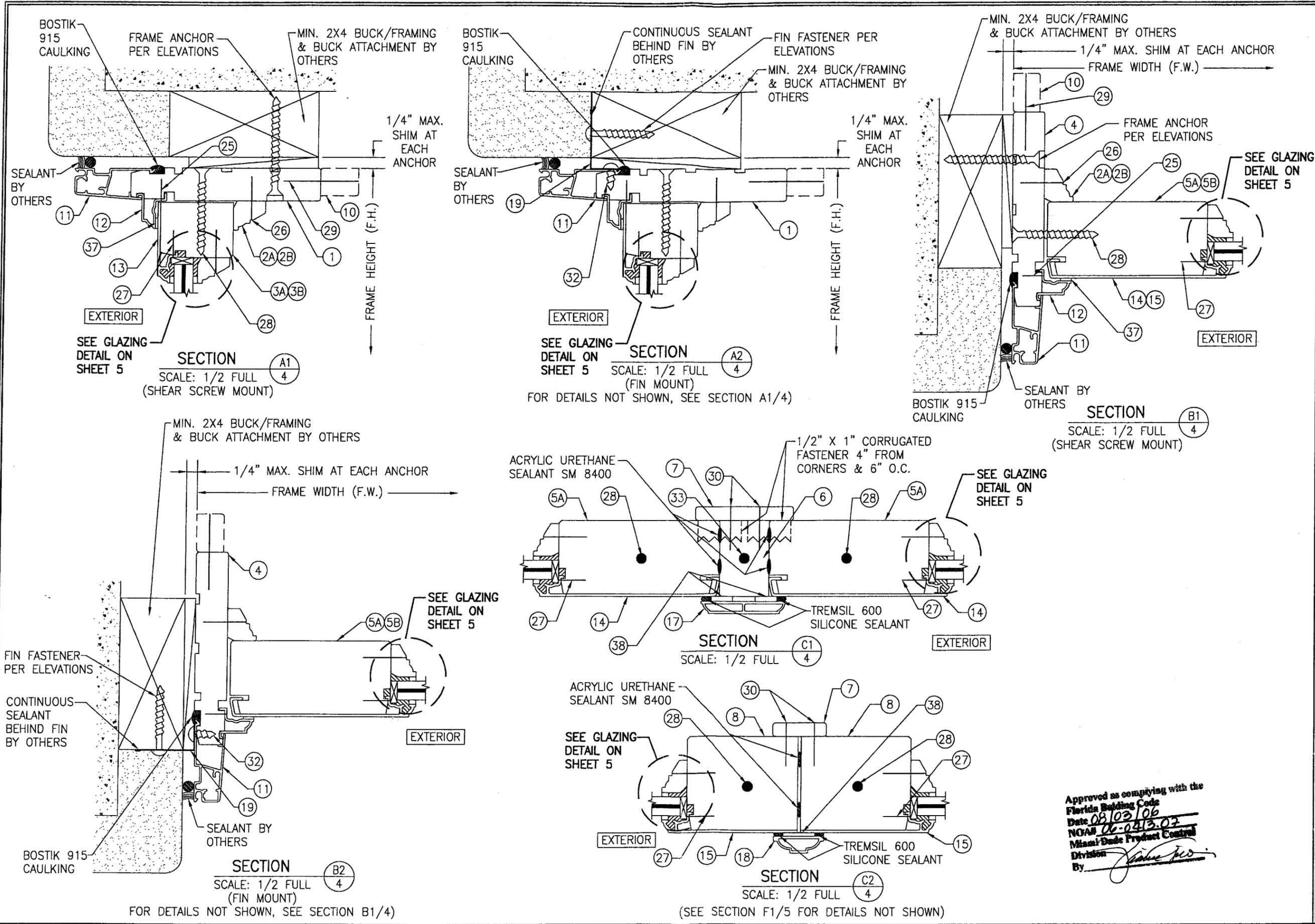
CONCENTRATE MINIMUM  
3 SCREWS AT MULLION  
ENDS; SPACED 2"  
APART.

FIN SCREWS AT CORNERS &  
MAX. 6 1/2" O.C. ALL SIDES.  
SEE "FRAME ANCHOR  
REQUIREMENTS TABLE" ON THIS  
SHEET FOR REQUIREMENTS.

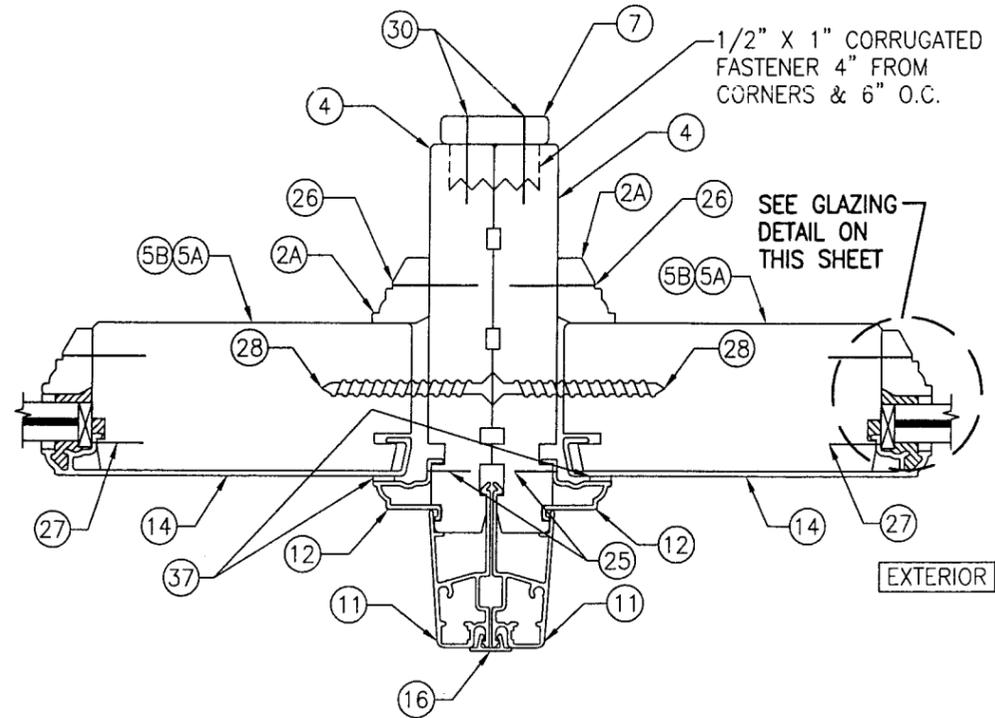
**NOTES FOR MULLED UNITS:**

1. UP TO 4 WINDOWS MAY BE MULLED TOGETHER PROVIDING OVERALL FRAME WIDTH DOES NOT EXCEED 193" & NO SINGLE WINDOW EXCEEDS 94 1/2" WIDE.
2. INDIVIDUAL WINDOWS MAY CONSIST OF MULTIPLE PANELS IN ONE FRAME PER ELEVATIONS ON SHEET 2.
3. FOR DETAILS NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS ON SHEET 1.

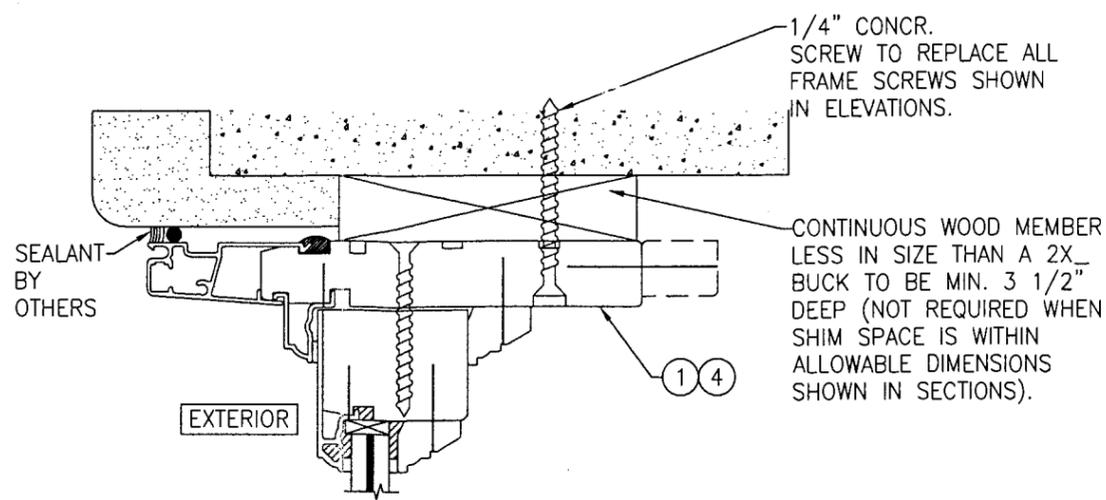
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 10/31/05	
NO.	REVISION DESCRIPTION	BY	DATE
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CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4803		MANUFACTURER <b>C.P. LOEWEN ENTERPRISES</b> 77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA R5G 1B2 204-326-6446	
CERTIFICATION <b>NOV 29 2005</b> WARREN W. SCHAEFER P.E. P.E. NO. 14135			
DRAWING NO. <b>1395</b>		REV. 	
SHEET NO. <b>3 OF 6</b>			



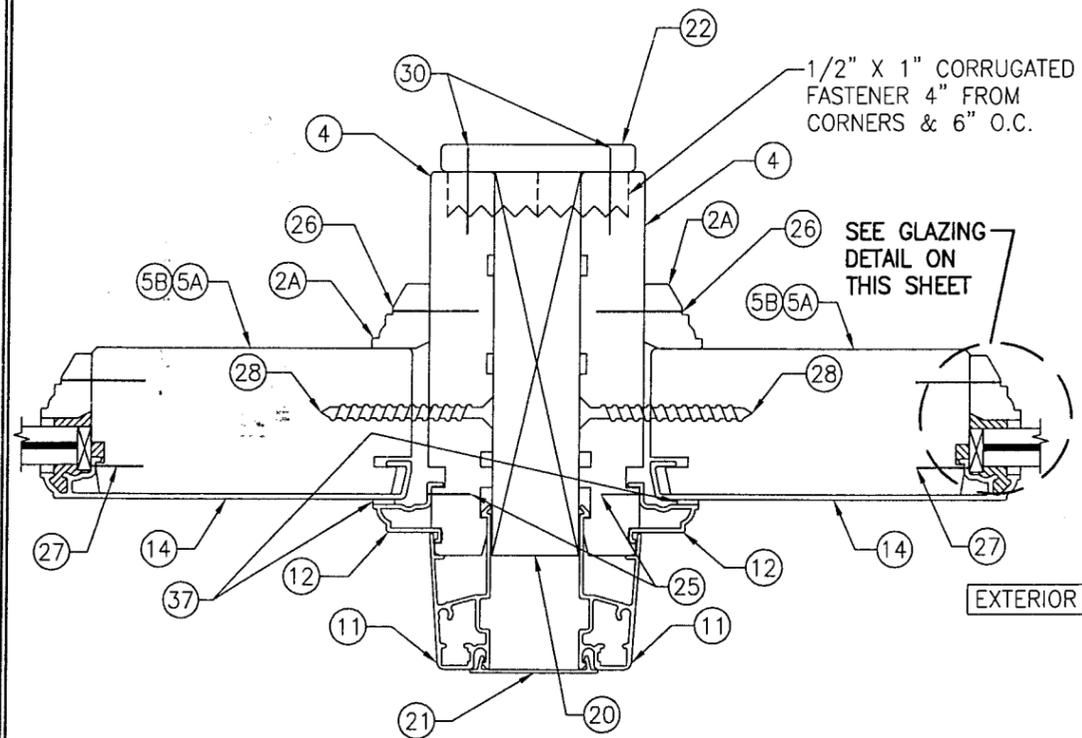
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CERTIFICATION NOV 29 2005 Approved as complying with the Florida Building Code Date 08/03/06 NGAA 06-0413.02 Miami Dade Product Control Division By: <i>[Signature]</i>			
DRAWING NO. 1395		REV.	
SHEET NO. 4 OF 6			



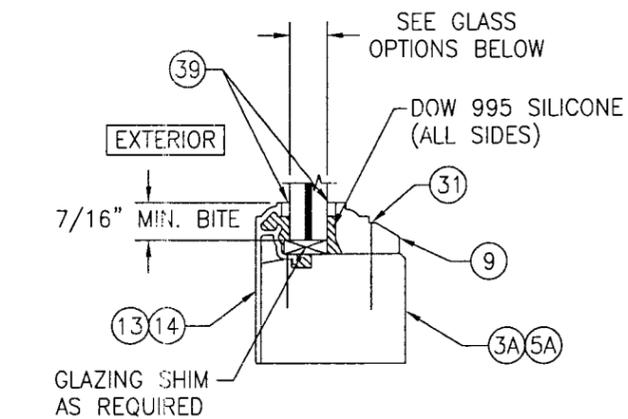
SECTION D  
SCALE: 1/2 FULL



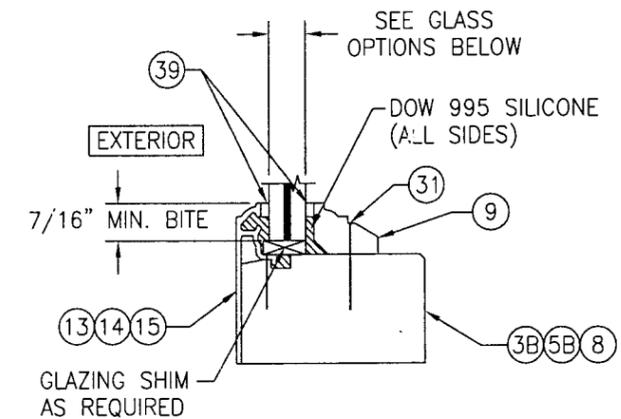
OPTIONAL DIRECT MOUNT DETAIL  
TO BLOCK OR CONCRETE WITH SPACER OR SHIM  
(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION E  
SCALE: 1/2 FULL



GLAZING DETAIL (SWING DOOR TRANSOM)  
SCALE: 1/2 FULL

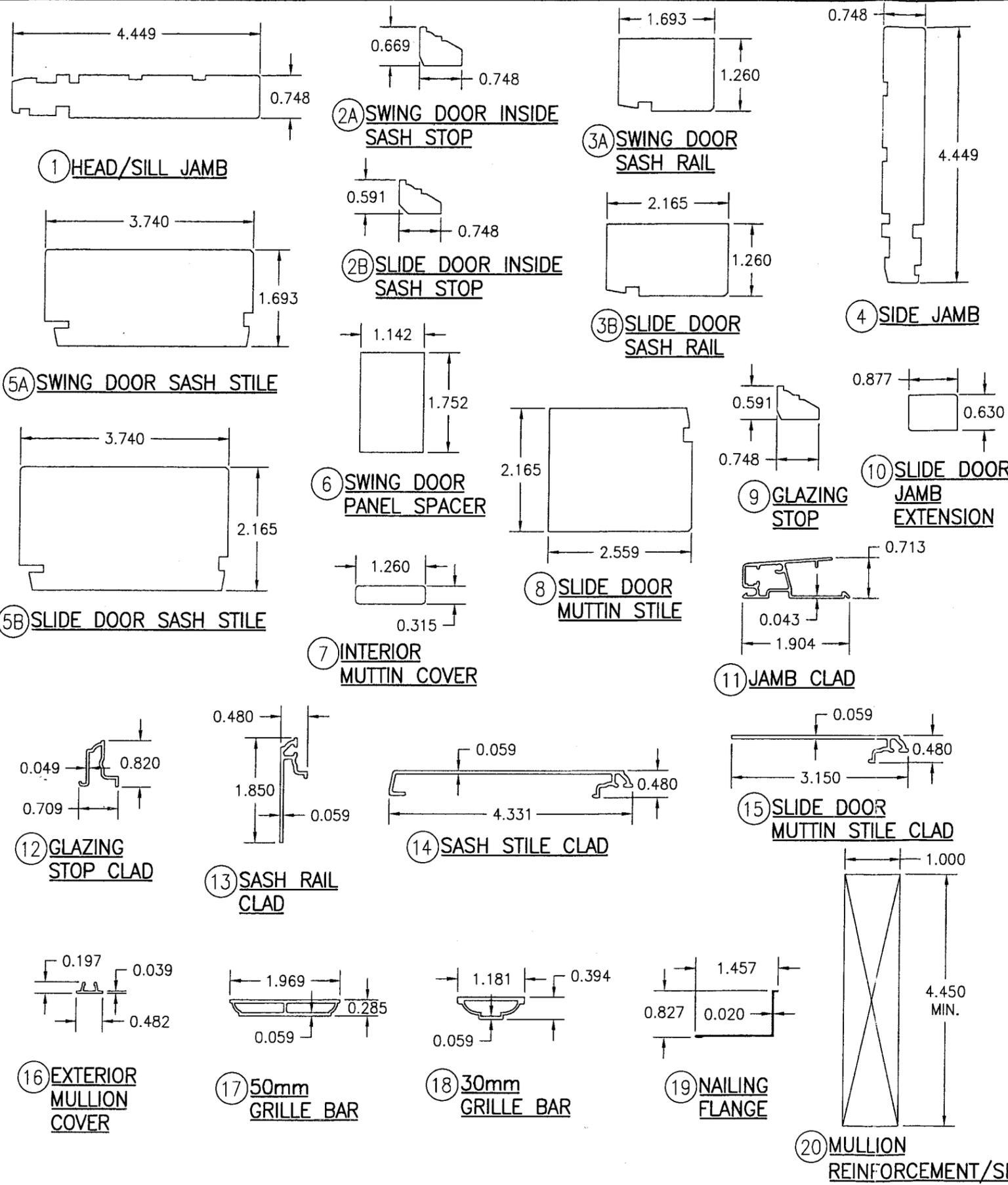


GLAZING DETAIL (SLIDE DOOR TRANSOM)  
SCALE: 1/2 FULL

- GLASS OPTION 1: 7/16" LAMINATED ANNEALED CARDINAL SGP GLASS (3/16" AN/0.09 DUPONT SGP/3/16" AN)
- GLASS OPTION 2: 7/16" LAMINATED HEAT STRENGTHENED CARDINAL SGP GLASS (3/16" HT. ST./0.09 DUPONT SGP/3/16" HT. ST.)
- GLASS OPTION 3: 7/16" LAMINATED ANNEALED CARDINAL SEASTORM "B" GLASS (3/16" AN/0.015 DUPONT BUTICITE PVB/0.007 PET/0.075 DUPONT BUTICITE PVB/3/16" AN)
- GLASS OPTION 4: 7/16" LAMINATED HEAT STRENGTHENED CARDINAL SEASTORM "B" GLASS (3/16" HT. ST./0.015 DUPONT BUTICITE PVB/0.007 PET/0.075 DUPONT BUTICITE PVB/3/16" HT. ST.)

Approved as complying with the  
Florida Building Code  
Date 08/03/06  
NOA# 06-0913-07  
Miami Dade Product Control  
Division  
By *[Signature]*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 10/31/05	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE <b>ALUMINUM CLAD WOOD IMPACT DOOR TRANSOM WINDOWS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER <b>C.P. LOEWEN ENTERPRISES</b>	
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 <b>NOV 29 2005</b>			
DRAWING NO. <b>1395</b>		REV. 	
SHEET NO. <b>5 OF 6</b>			



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	3804	HEAD/SILL JAMB	DOUGLAS FIR
2A	1016	SWING DOOR INSIDE SASH STOP	DOUGLAS FIR
2B	4422	SLIDE DOOR INSIDE SASH STOP	DOUGLAS FIR
3A	2001	SWING DOOR SASH RAIL	DOUGLAS FIR
3B	4443	SLIDE DOOR SASH RAIL	DOUGLAS FIR
4	3802	SIDE JAMB	DOUGLAS FIR
5A	304262	SWING DOOR SASH STILE	DOUGLAS FIR
5B	4442	SLIDE DOOR SASH STILE	DOUGLAS FIR
6	2002	SWING DOOR PANEL SPACER	DOUGLAS FIR
7	303869	INTERIOR MUTTIN COVER	DOUGLAS FIR
8	4442	SLIDE DOOR MUTTIN STILE	DOUGLAS FIR
9	4493	GLAZING STOP	DOUGLAS FIR
10	4918	SLIDE DOOR JAMB EXTENSION	DOUGLAS FIR (ONLY REQ'D WITH SLIDING DOOR TRANSOM)
11	-	JAMB CLAD	APEL #694670 - 6060-T5 ALUM.
12	-	GLAZING STOP CLAD	APEL #637703 - 6060-T5 ALUM.
13	-	SASH RAIL CLAD	APEL #646388 - 6060-T5 ALUM.
14	-	SASH STILE CLAD	APEL #646388 - 6060-T5 ALUM.
15	-	SLIDE DOOR MUTTIN STILE CLAD	APEL #646388 - 6060-T5 ALUM.
16	-	EXTERIOR MULLION COVER	APEL #626550 - 6060-T5 ALUM.
17	-	50mm GRILLE BAR	APEL #695113 - 6060-T5 ALUM.
18	-	30mm GRILLE BAR	APEL #694806 - 6060-T5 ALUM.
19	4940	NAILING FLANGE	STEEL (fy = 50 ksi MIN.)
20	-	MULLION REINFORCEMENT/SPACER	DOUGLAS FIR
21	-	1" FRAME EXPANDER	APEL #626527 - 6060-T5 ALUM.
22	303863	INTERIOR MUTTIN COVER/EXPANDER	DOUGLAS FIR
MISC. FASTENERS			
25	-	5/8" BRAD NAIL	1" FROM CORNERS & 4" O.C.
26	-	1" BRAD NAIL	2" FROM CORNERS & 6" O.C.
27	-	5/8" BRAD NAIL	1" FROM CORNERS & 4" O.C.
28	-	NO. 8 X 1 3/4" FH SCREW	1 AT EA. MEETING STILE END (CENTER LOCATION) PLUS WITHIN 3" OF FRAME CORNERS AND 8" O.C. ALL SIDES.
29	-	1 3/4" NAIL	1" FROM CORNERS & 6" O.C.
30	-	1" BRAD NAIL	2 ROWS 1" FROM ENDS & 6" O.C.
31	-	1" BRAD NAIL	2 1/2" FROM CORNERS & 6" O.C.
32	-	NO. 8 X 1/2" SCREW	1" FROM CORNERS & 6" O.C.
33	-	NO. 8 X 2" FH SCREW	1 AT EA. PANEL SPACER END
SEALS AND SEALANTS			
37		GLAZING TAPE	VENTURE VG116B
38		GLAZING TAPE	VENTURE VG1088
39		GLAZING TAPE	VENTURE VG308B

DRAWN BY: W.R.M. CHECKED BY: W.W.S.  
 PLOT: 1=2 DATE: 10/31/05

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

REVISION DESCRIPTION NO.

ALUMINUM CLAD WOOD IMPACT DOOR TRANSOM WINDOWS

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.  
 6695 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

DRAWING TITLE

CERTIFICATION  
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 Date 08/03/06  
 NOAH 06-0413.07  
 Miami-Dade Product Control Division  
 By: *[Signature]*

DRAWING NO. 1395  
 SHEET NO. 6 OF 6

WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135