



**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)

**Universal Aluminum Windows & Doors, Inc.
1675 West 31st Place
Hialeah, Fl 33012**

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: Series "Coastal" Aluminum Fixed Window

APPROVAL DOCUMENT: Drawing No. W98-82, titled "Series Coastal Aluminum Fixed Window", sheets 1 through 2 of 2, prepared by Al Farooq Corporation, dated 10/16/98 with revision on 3/13/03, signed and sealed by Humayoun Farooq, 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

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 # 99-0604.03 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font P.E.**

[Signature]
5/15/3



**NOA No 03-0401.02
Expiration Date: November 12, 2007
Approval Date: May 15, 2003
Page 1**

Universal Aluminum Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Drawing No. W98-82, Universal Aluminum Windows, "Series Coastal Aluminum Fixed Window" Sheets 1 thru 2 of 2, prepared by Al-Farooq Corporation, dated 10/16/98, with revision A dated 03/13/03, signed and sealed by Humayoun Farooq, P.E

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94along with die drawings and installation diagram of an aluminum single lite standing fixed window prepared by Fenestration Testing Laboratory, Inc., Test Report No.FTL 177, dated July 13, 1998, signed and sealed by Gilbert Diamond, P.E.

C. CALCULATIONS

1. Sample calculation sheets 1 through 10, prepared by Al Farooq Corp. dated 11/09/98, signed and sealed by Humayoun Farooq, P.E.
2. Edge distance calculation sheets 1 through 4 prepared by Al-Farooq Corporation, dated 09/15/99, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

1. None

E. STATEMENTS

1. Letter of code compliance issued by Al-Farooq Corporation on 11/10/98, signed And sealed by H. Farooq, PE
2. Letter of no financial interest issued by Al-Farooq Corporation on 11/10/98, signed by Humayoun Farooq PE. and notarized by R. de la Guardia.
3. Letter of test compliance issued by Fenestration Testing Laboratory, Inc. on 09/15/98, signed by G. Diamond PE.
4. No change letter issued by Universal Aluminum Windows & Doors, Inc. on 04/21/03 and signed by J. M. Fernandez.

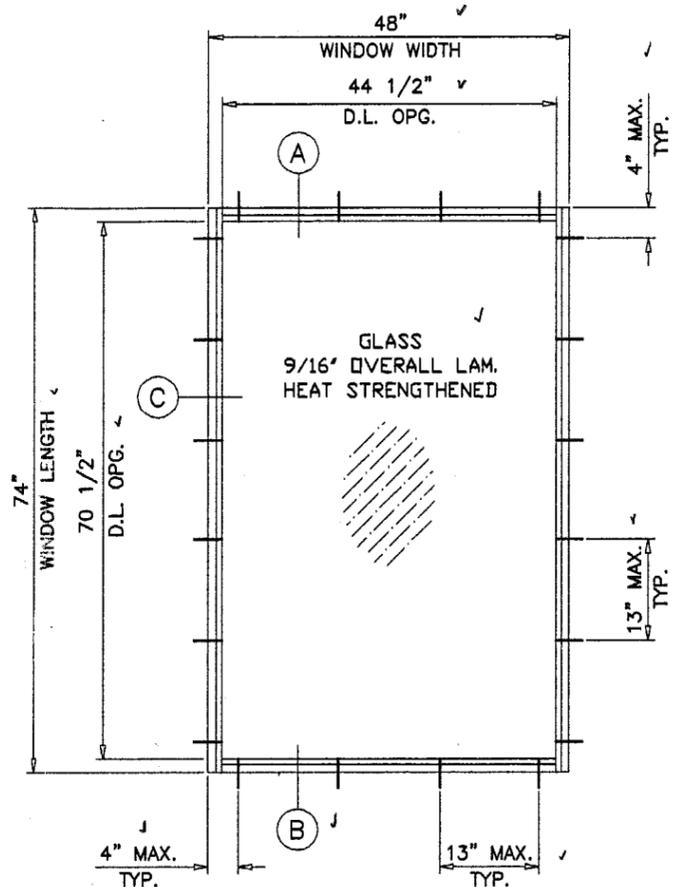
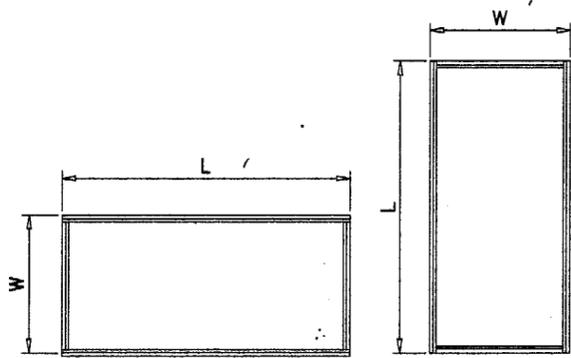
F. OTHER

1. None

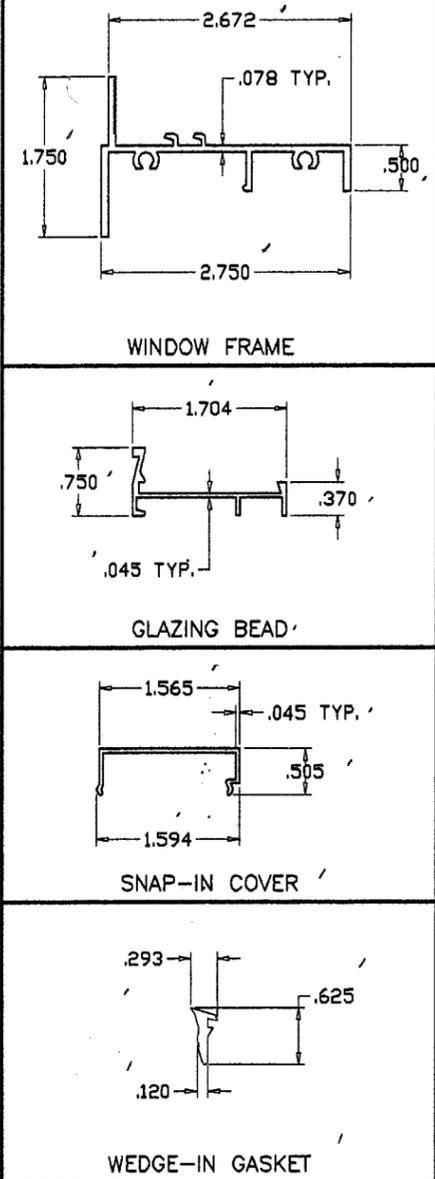


Candido F. Font, P.E.
Senior Product Control Examiner
NOA No 03-0401.02
Expiration Date: November 12, 2007
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DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS. 9/16" OVERALL LAMINATED		EXT. (+)	INT. (-)
WIDTH	LENGTH		
24"	48'	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"	80.0	80.0	
24"	60'	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		71.1	71.1
24"	72'	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
24"	84'	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
24"	96'	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
19-1/8"	38-3/8"	80.0	80.0
26-1/2"		80.0	80.0
37"		80.0	80.0
53-1/8"	80.0	80.0	
19-1/8"	50-5/8"	80.0	80.0
26-1/2"		80.0	80.0
37"		80.0	80.0
53-1/8"	75.9	75.9	
19-1/8"	63"	80.0	80.0
26-1/2"		80.0	80.0
37"		80.0	80.0
53-1/8"	72.3	72.3	
19-1/8"	74-1/4"	80.0	80.0
26-1/2"		80.0	80.0
37"		80.0	80.0



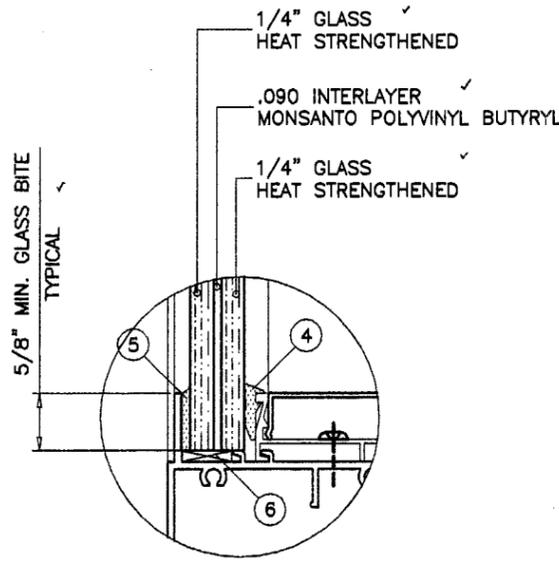
TYPICAL ELEVATION TESTED UNIT



NOTES:

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

LARGE MISSILE IMPACT RESISTANT WINDOWS SHUTTERS NOT REQUIRED



GLAZING DETAIL

SERIES COASTAL ALUMINUM FIXED WINDOWS

BASED ON FTL-1977 DATED 07-13-98
TEST SIZE = 48" X 74" (O)
TEST LOADS = +120.0, -120.0 PSF
DESIGN LOADS = +80.0, -80.0 PSF
WATER INFILTRATION TEST = 15.0 PSF
TESTED GLASS = 9/16" OVERALL LAMINATED

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
MAR 13 2003

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 03-040102
Expiration Date 11/12/07
By: [Signature]
Miami Dade Product Control Division

afsc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-82UW

SERIES COASTAL ALUMINUM FIXED WINDOW
UNIVERSAL ALUMINUM WINDOWS
1675 W 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

revisions:	no	date	by	description
	A	9.16.99		GENERAL REVISION
	B	03.13.03		NOTE REV.

date: 10-16-98
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. W98-82
sheet 1 of 2

WOOD BUCKS NOT BY UNIVERSAL WINDOWS, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

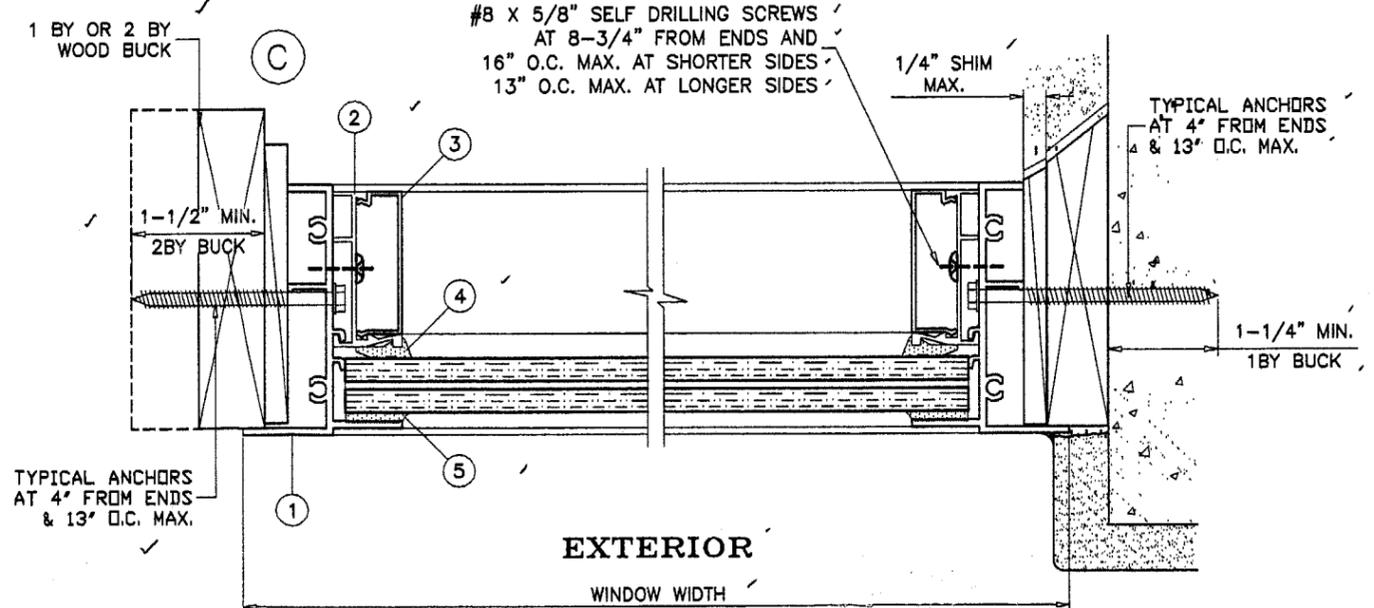
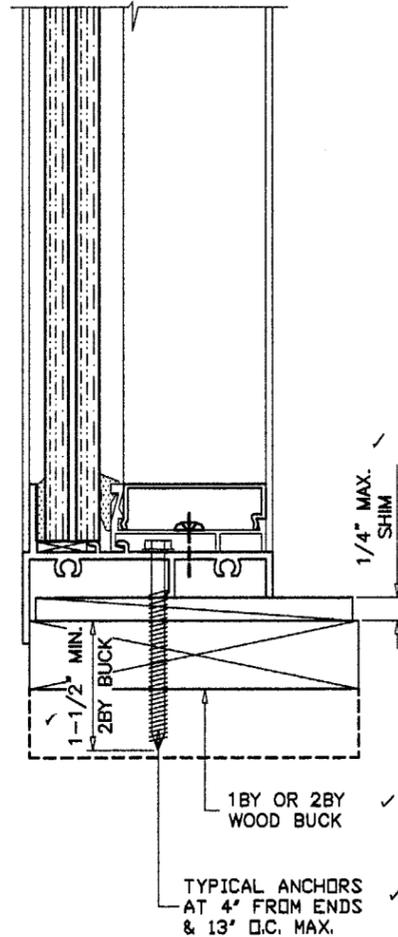
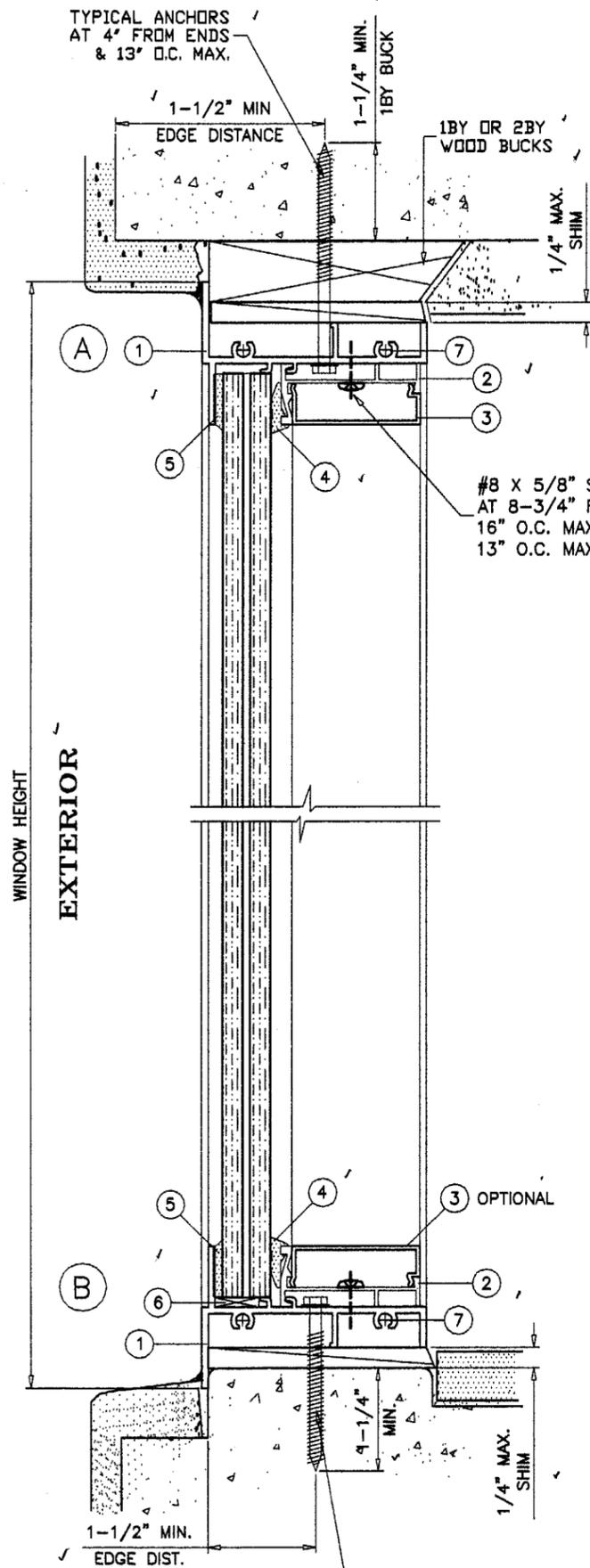
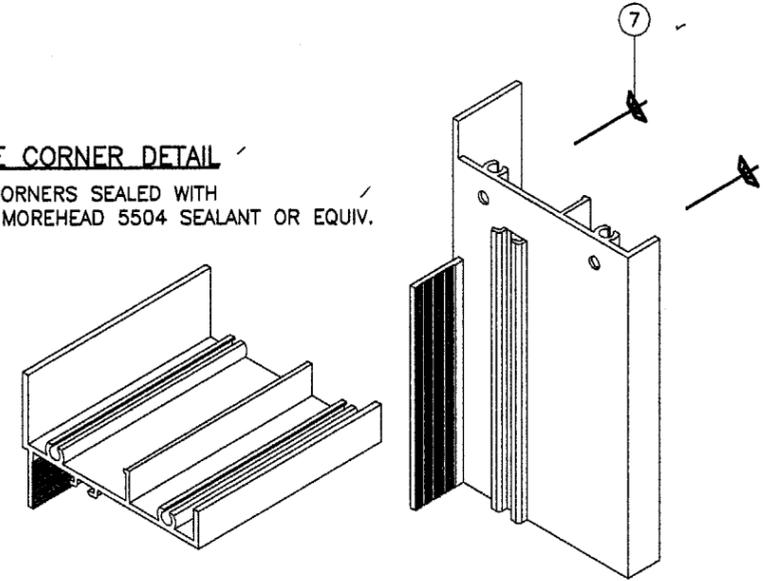
MATERIALS LIST						
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS	
1	AX-4598	4/ WINDOW	FRAME	ALUMINUM	6063-T5	
2	AX-4599	4/ WINDOW	GLAZING STOP	ALUMINUM	6063-T5	
3	AX-4600	4/ WINDOW	SNAP-IN COVER (OPTIONAL)	ALUMINUM	6063-T5	
4	PS-1125E7N	1/ SIDE	WEDGE-IN GASKET	VINYL	TREMCO	
5	DOW-995	AS REQD.	BEDDING COMPOUND	SILICONE	DOW CORNING	
6	-	AS REQD.	SETTING BLOCKS	-	-	
7	-	2/ CORNER	ASSEMBLY SCREWS	-	#10 X 1" PH SMS	

TYPICAL ANCHORS: CAN BE FLAT, PAN OR HEX HEAD
 3/16" TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCK INTO MASONRY
 1-1/4" MIN. MASONRY EMBED.

#8 X 5/8" SELF DRILLING SCREWS
 AT 8-3/4" FROM ENDS AND
 16" O.C. MAX. AT SHORTER SIDES
 13" O.C. MAX. AT LONGER SIDES

FRAME CORNER DETAIL

FRAME CORNERS SEALED WITH SCHNEE MOREHEAD 5504 SEALANT OR EQUIV.



Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 MAR 13 2003

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 03-0401.02
 Expiration Date 11/12/07
 By Miami Dade Product Control
 Division

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revisions:	no	date	description
	A	9.16.99	GENERAL REVISION
	B	03.13.03	NO CHANGE THIS SHEET
date:	10-16-98	scale:	1/2" = 1"
dr. by:	HAMID	chk. by:	
drawing no.	W98-82		
sheet	2 of 2		