



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.buldingcodeonline.com

Hy-Lite Products, Inc.
117 Sara Lee Drive
Eatonton, GA 31024

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: Series "Storm Blocker" Acrylic Block Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-12**, titled "S-Storm Blocker Acrylic Block Alum. Fixed Wdw.", sheets 1 through 3 of 3, dated 02/16/07, with revision C dated 10/07/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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 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 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. 07-0409.02
Expiration Date: November 6, 2013
Approval Date: November 6, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W07-12**, Sheets 1 through 3 of 3, titled "S-Storm Blocker Acrylic Block Alum. Fixed Wdw.", dated 02/16/07, with revision C dated 10/7/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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

along with marked-up drawings and installation diagram of "Storm Blocker" acrylic block aluminum fixed window, prepared by Architectural Testing, Inc. Test Report No. **ATI-69157.01-301-18**, dated 11/20-12/20/06, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

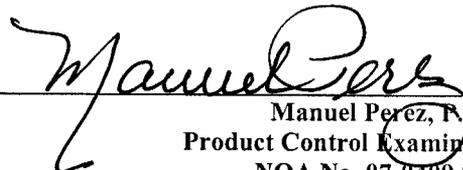
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 2/22/07, signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Test Reports prepared by **SGS U.S, Testing Company, Inc.**, issued to **Cyro Industries**, for their **Acrylite® H-15 Acrylic Molding & Extrusion Compound**:
 - a.) No. **SGS-130618-10**, dated 11/18/99, per **ASTM-D1929-98** "Standard Method of Test for Ignition Properties of Plastics"
 - b.) No. **SGS-130618-27**, dated 10/23/99, per **ASTM D2843-99** "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics", and
 - c) No. **SGS-130618-37**, dated 11/30/99, per **ASTM-D635-98** "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position" all signed by Hitan Pandya, Manager Fire Technology


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0409.02

Expiration Date: November 6, 2013
Approval Date: November 6, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. MATERIAL CERTIFICATIONS (CONTINUED)

2. Tensile Strength Test prepared by Intertek, Test Report No. **I-3143958-004**, dated September 24, 2008, for **Evonik CYRO LLC** on **ACRYLITE®** Acrylic Polymer H15-012 to evaluate tensile strength; tested per **ASTM D2526-99**; "*Xenon-Arc Exposure of Plastics Intended for Outdoor Applications*" following the standard methods of **ASTM G155-05a** "*Operating Xenon-Arc Light Apparatus for Exposure of Non-Metallic Materials*" and **ASTM D638-03** "*Tensile Properties of Plastics*", signed and sealed by Rick Curkeet, P.E.
3. Notice of Acceptance No. **06-0322.03**, issued to General Electric Plastics for their Lexan Sheet Products, approved on 12/21/06 and expiring on 07/17/08.

G. STATEMENTS

1. Statement letter of conformance, dated February 22, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated February 22, 2007, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report no. **ATI-69157.01-301-18**, issued by Architectural Testing, Inc., dated January 3, 2007, signed and sealed by Joseph A. Reed, P.E.

G. OTHER

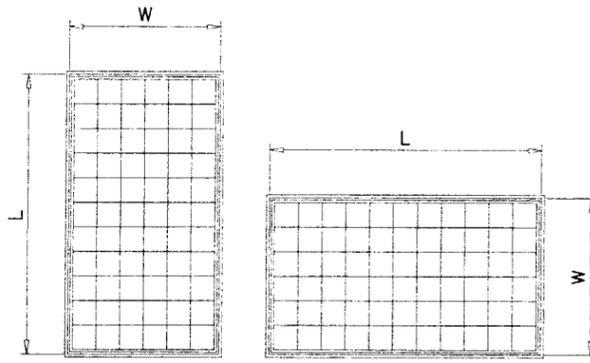
1. None.



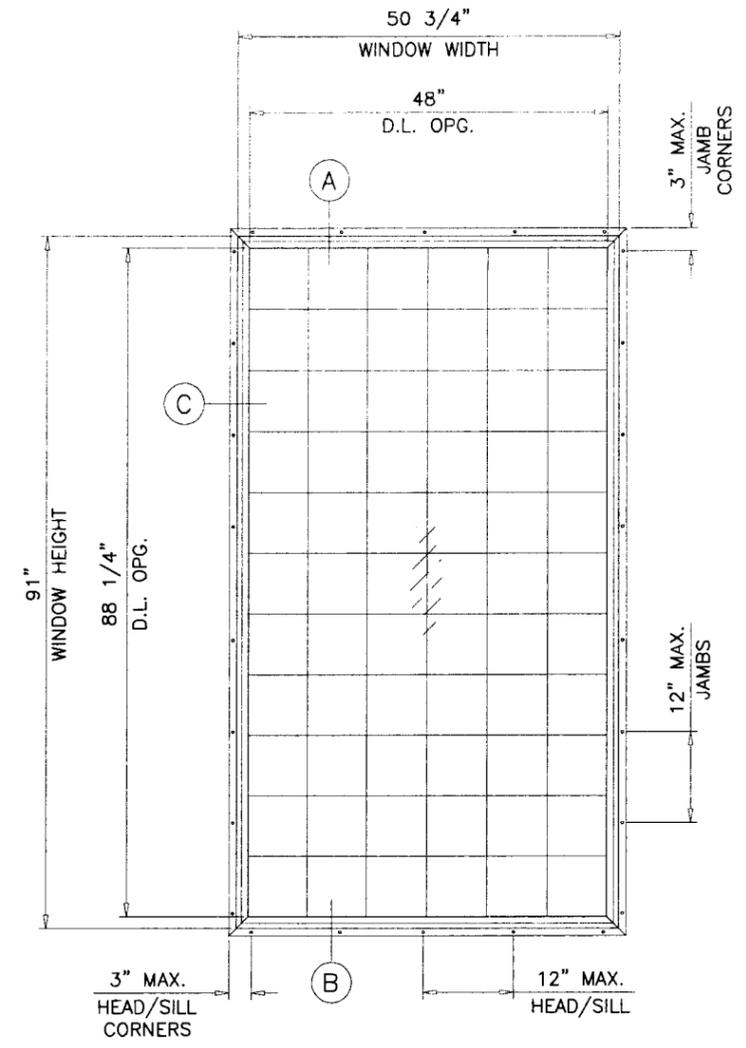
Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0409.02

Expiration Date: November 6, 2013
Approval Date: November 6, 2008

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		.236" LEXAN	
WIDTH	LENGTH	EXT.(+)	INT.(-)
34-3/4"	50-3/4"	90.0	90.0
42-3/4"		90.0	90.0
59"		90.0	90.0
67"		90.0	90.0
34-3/4"	59"	90.0	90.0
42-3/4"		90.0	90.0
50-3/4"		90.0	90.0
59"		77.4	77.4
67"	77.4	77.4	
34-3/4"	67"	90.0	90.0
42-3/4"		90.0	90.0
50-3/4"		90.0	90.0
59"		77.4	77.4
67"	68.2	68.2	
34-3/4"	75"	90.0	90.0
42-3/4"		90.0	90.0
50-3/4"		90.0	90.0
59"		77.4	77.4
34-3/4"	83"	90.0	90.0
42-3/4"		90.0	90.0
50-3/4"		90.0	90.0
34-3/4"	91"	90.0	90.0
42-3/4"		90.0	90.0
50-3/4"		89.5	89.5
34-3/4"	99"	90.0	90.0
42-3/4"		89.8	89.8



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



TYPICAL ELEVATION
TESTED UNIT

SERIES STORM BLOCKER
ACRYLIC BLOCK ALUMINUM FIXED WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHART SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

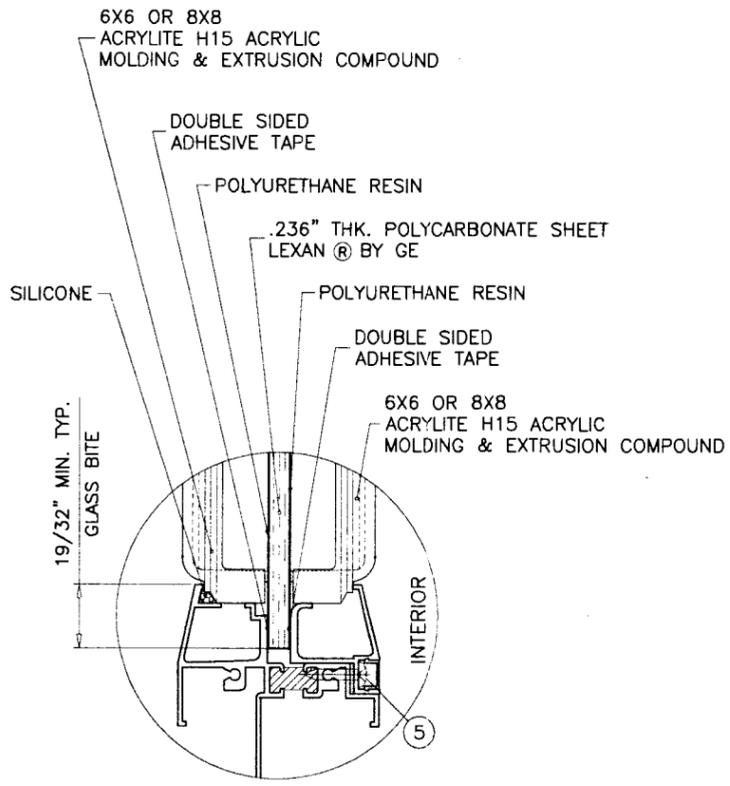
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



GLAZING DETAIL

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

Approved as complying with the
Florida Building Code
Date **Nov. 6, 2008**
NOA# **07-0409.02**
Miami Dade Product Control
Division
By *Manuel Perez*

OCT 08 2008

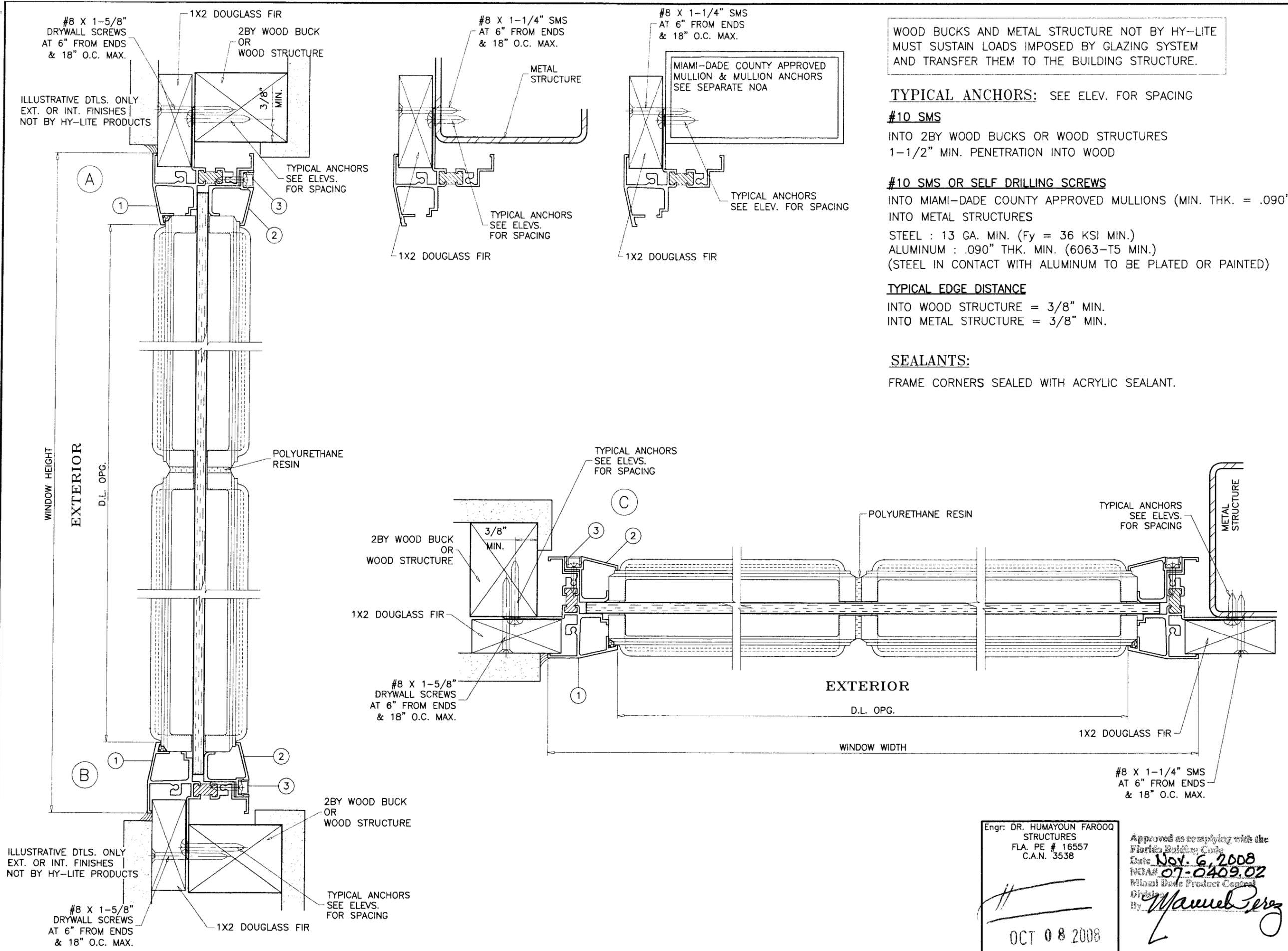
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-12HPI

S-STORM BLOCKER ACRYLIC BLOCK ALUM FIXED WDW.
HY-LITE PRODUCTS, INC.
101 CALIFORNIA AVE.
BEAUMONT, CA. 92223
TEL. (800) 827-3691 FAX. (800) 827-4920

no.	date	description
A	06.15.07	NO CHANGE THIS SHEET
B	10.18.07	REV. PER BCCO COMMENTS
C	10.07.08	REV. PER BCCO COMMENTS

revisions:
date: 02-16-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-12
sheet 1 of 3



WOOD BUCKS AND METAL STRUCTURE NOT BY HY-LITE MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#10 SMS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD

#10 SMS OR SELF DRILLING SCREWS
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 INTO METAL STRUCTURES
 STEEL : 13 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : .090" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO WOOD STRUCTURE = 3/8" MIN.
 INTO METAL STRUCTURE = 3/8" MIN.

SEALANTS:
 FRAME CORNERS SEALED WITH ACRYLIC SEALANT.

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

Approved as complying with the
 Florida Building Code
 Date Nov. 6, 2008
 NOA# 07-0409.02
 Miami Dade Product Control
 Division
 By Manuel Perez

OCT 08 2008

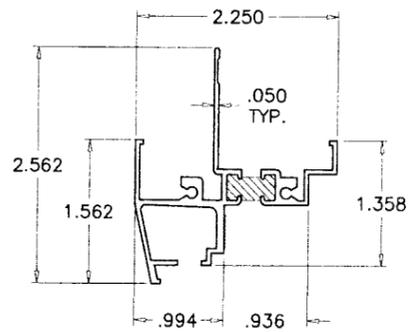
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-12(HPI)

S-STORM BLOCKER ACRYLIC BLOCK ALUM FIXED WDW.
HY-LITE PRODUCTS, INC.
 101 CALIFORNIA AVE.
 BEAUMONT, CA. 92223
 TEL. (800) 827-3691 FAX. (800) 827-4920

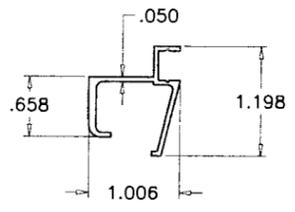
revisions:	no	date	by	description
	A	06.15.07		REV. PER BCCO COMMENTS
	B	10.18.07		NO CHANGE THIS SHEET
	C	10.07.08		NO CHANGE THIS SHEET

date: 02-16-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

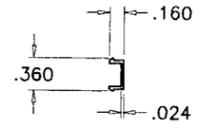
drawing no.
W07-12
 sheet 2 of 3



1 FRAME HEAD/SILL/JAMB

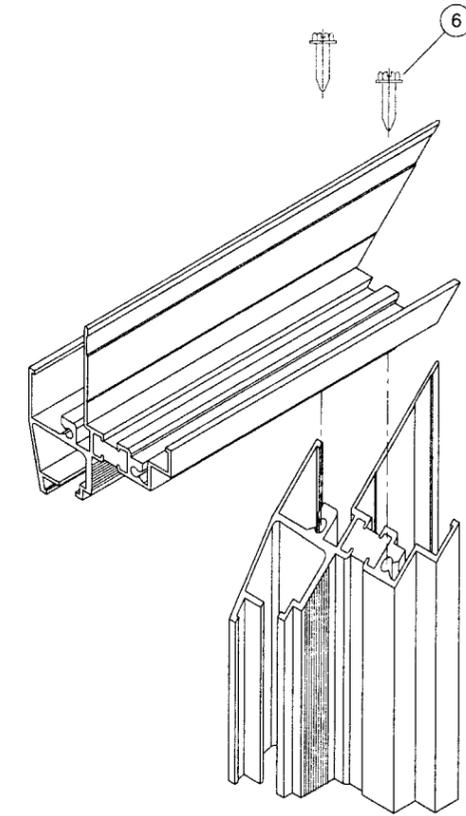


2 GLAZING STOP

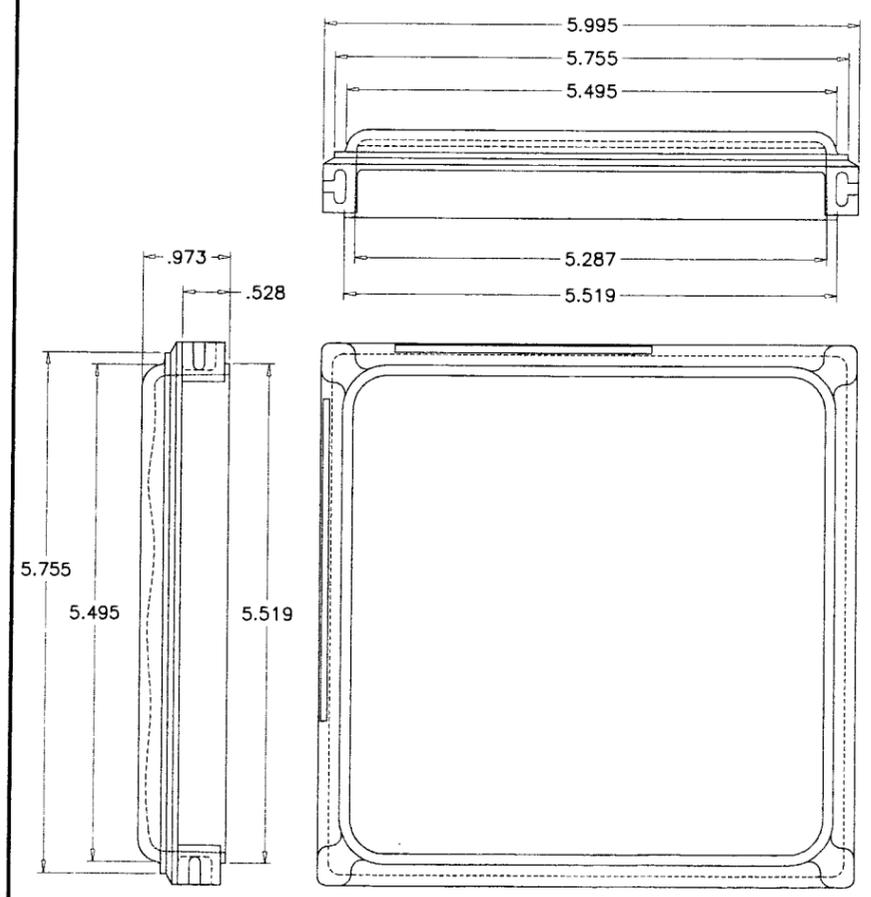


3 GLAZING STOP

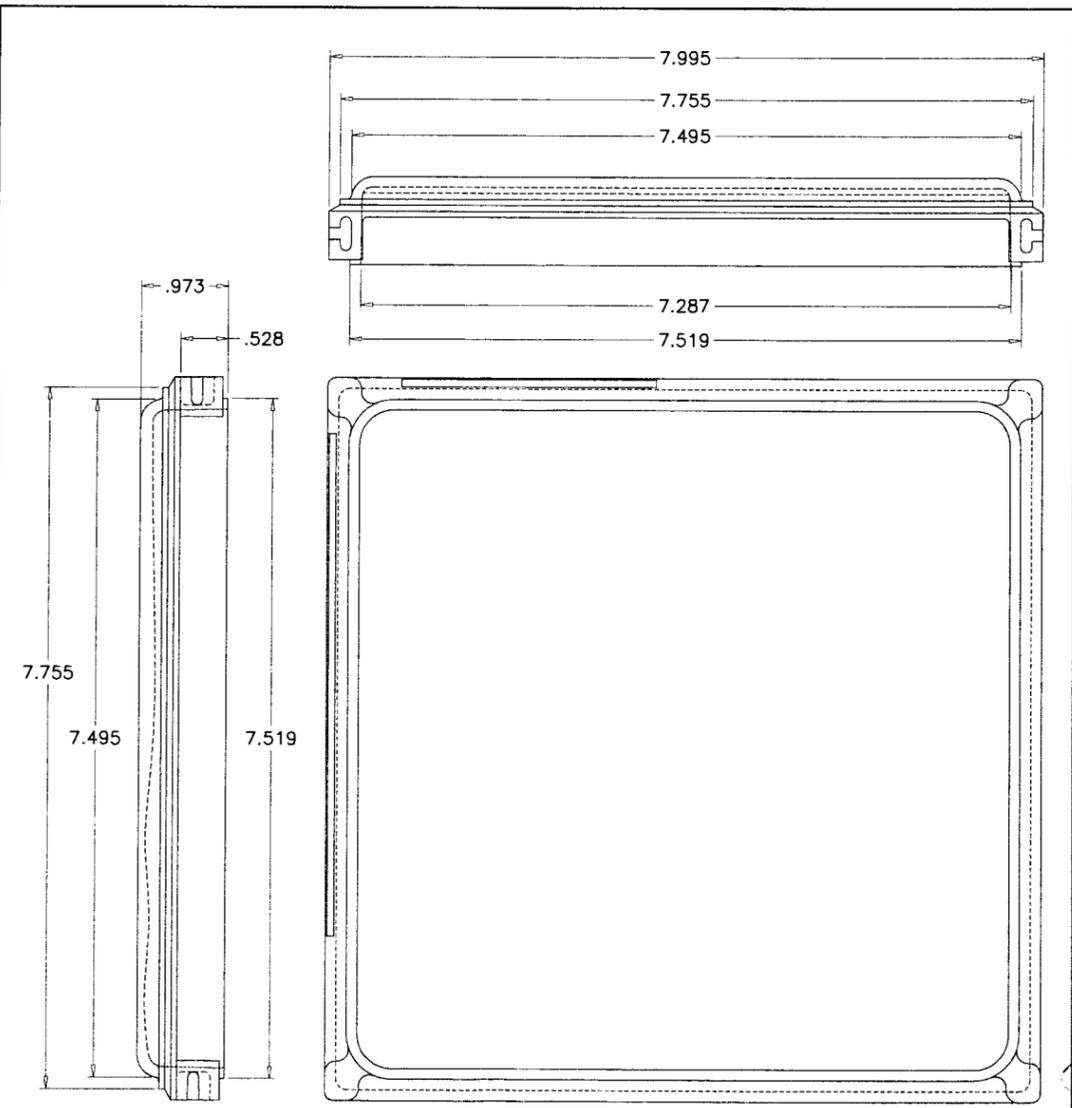
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS
1	-	4/ WDW	FRAME HEAD/SILL/JAMB	6063-T5	-
2	-	4/ WDW	GLAZING STOP	6063-T5	-
3	-	AS REQD.	GLAZING STOP COVER (OPTIONAL)	ALUMINUM	-
4	-	AS REQD.	DOUBLE SIDED GLAZING TAPE	-	-
5	#6 X 3/4"	AS REQD.	GLAZING STOP PH SCREWS	-	AT 3" FROM ENDS & 6" O.C.
6	#6 X 1"	2/ CORNER	FRAME ASSEMBLY SCREWS	-	-



FRAME CORNER



6X6 ACRYLIC BLOCK



8X8 ACRYLIC BLOCK

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

OCT 08 2008

Approved as complying with the
 Florida Building Code
 Date: Nov. 6, 2008
 NDA# 07-0409.02
 Manual Quality Product Control
 Division
 By: *Manuel Perez*

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-12HPI

S-STORM BLOCKER ACRYLIC BLOCK ALUM FIXED WDW.
HY-LITE PRODUCTS, INC.
 101 CALIFORNIA AVE.
 BEAUMONT, CA. 92223
 TEL. (800) 827-3691 FAX. (800) 827-4920

revisions:	no	date	by	description
	A	06.15.07		NO CHANGE THIS SHEET
	B	10.18.07		NO CHANGE THIS SHEET
	C	10.07.08		NO CHANGE THIS SHEET

date: 02-16-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-12
 sheet 3 of 3