

Eurotech Industries, Inc.
4201 NE 12 Terrace
Fort Lauderdale, FL 33334

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 Outswing Entrance Door-LMI

APPROVAL DOCUMENT: Drawing No. W04-01 Rev C, titled "Aluminum Outswing Entrance Door", sheets 1 through 5 of 5, dated 01/15/04 and last revised on FEB 01, 2012, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact**Limitations:**

1. See Design Pressure capacity Single doors Vs glazing types and double doors Vs water ratings in sheet 2.
2. Single or double doors may be mulled with approved clipped mullion or sidelites or transom (under separate approvals), lower design rating shall apply and such installation to be reviewed & approved by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 revises NOA # 09-0310.05 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (transferred from file # **09-0310.05**)
2. Drawing No. **W04-01 Rev C**, titled "Aluminum Outswing Entrance Door", sheets 1 through 5 of 5, dated 01/15/04 and last revised on FEB 01, 2012, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (transferred from file # 09-0310.05)

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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with installation diagram of aluminum outswing door, prepared by Hurricane Engineering Testing Inc., Test Report No(s). **HETI- 08-2021, 08-2022, 08-2023 and 08-2024**, all dated 03/15/08, signed and sealed by Candido Font, P.E.

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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with installation diagram of aluminum outswing door, prepared by Hurricane Engineering Testing Inc., Test Report No(s). **HETI- 03-1882, 08-1889, 08-18890 and 08-2024**, dated 01/15/04 thru 02/09/2004, all signed and sealed by Rafael E. Droz-Seda, P.E. (transferred from file # **08-0507.10**)

3. Tensile Test prepared by Hurricane Engineering & Testing, Test No. **HETI-04-T100**, dtd 01/29/04, tested per ASTM E8-01, signed & sealed by Rafael E. Droz-Seda, P.E.

C. CALCULATIONS

1. Anchor verification calculations, complying with FBC 2010, prepared by Al Farooq Corporation, dated FEB 02, 2012, signed and sealed by Javad Ahmad, P.E.
2. Anchor Calculations and structural analysis, prepared by Al-Farooq Corp., dated 04/28/08 and last revised on 06-02-09, signed and sealed by Arshad Viqar, P.E. (transferred from file # **09-0310.05**)
3. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

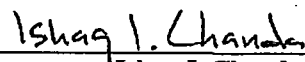
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass @ Plus**", expiring on 11/14/17.
2. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB interlayer**", expiring on 12/11/16.

F. STATEMENTS

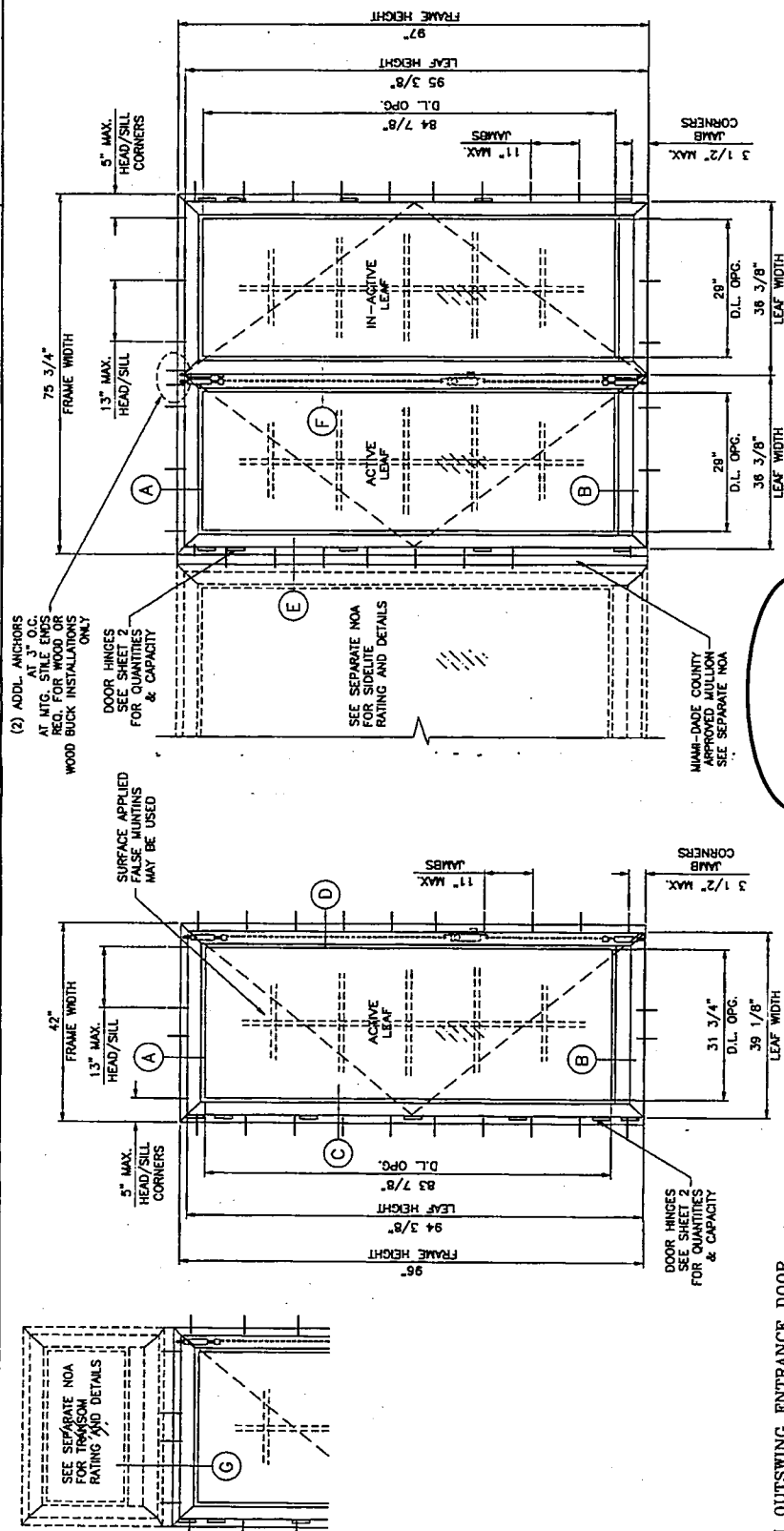
1. Statement letter of conformance to FBC 2010 & no financial interest, prepared by Al Farooq Corporation, dated 01/25/12, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA revises NOA # **09-0310.05**, expiring on June 10, 2014.
2. Test proposal # **07-3527** approved by BCCO.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 12-0208.03
Expiration Date: June 10, 2014
Approval Date: May 03, 2012

date: 01-15-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:



ALUMINUM OUTSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS.
SINGLE AND DOUBLE DOORS IN COMBINATION WITH SIDELITES
ALSO SINGLE AND DOUBLE APPROVED MULLIONS IN BETWEEN,
USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN,
AND ALSO SINGLE AND DOUBLE DOORS WITH OR WITHOUT SIDELITES IN
COMBINATION WITH TRANSOMS USING MIAMI-DADE COUNTY APPROVED
MULLION IN BETWEEN.

LOWER DESIGN PRESSURES FROM DOOR, SIDELITE 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 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 THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED

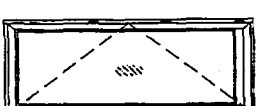
Engr. JAYAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

~~FEB 01 1987~~

PRODUCT REVISED
as complying with the Florida
Building Code
Application No. 12-0208-03
Expiration Date: JUNE 10, 2014
13607.1. Chan

The image shows three distinct dot patterns arranged vertically. The top pattern is a circle formed by 12 dots. The middle pattern is a cross formed by 13 dots. The bottom pattern is a square formed by 16 dots.





DESIGN LOAD CAPACITY - PSF			
SINGLE (X) DOORS			
DOOR SIZE	GLASS TYPE 'A'	EXT. (+)	INT. (-)
2/6	75.0	85.0	85.0
3/0	75.0	85.0	85.0
3/6	75.0	85.0	85.0
3/0	75.0	85.0	85.0
3/6	75.0	85.0	85.0
3/0	75.0	85.0	85.0
3/6	75.0	85.0	85.0

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

LOCKS SINGLE DOORS:
3 POINT LOCK SYSTEM AT ACTIVE LOCK STILE 36" FROM BOTTOM, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.
STRIKE PLATE 1-1/4" X 1/4" X 16-1/4" LONG ATTACHED WITH (2) #8 X 3/4" SMS

HINGES SINGLE DOORS:
TWO-HANDED COMB HING EXTRUDED ALUMINUM BRIDGE 2 BY 'GRESSE' (5) PER LEAF 92-1/2" FROM TOP OF DOOR

DESIGN LOAD CAPACITY - PSF			
SINGLE (X) DOORS			
DOOR SIZE	GLASS TYPE 'B'	EXT. (+)	INT. (-)
2/6	100.0	140.0	140.0
3/0	100.0	140.0	140.0
3/6	100.0	140.0	140.0
2/6	100.0	140.0	140.0
3/0	100.0	140.0	140.0
3/6	100.0	140.0	140.0
2/6	100.0	140.0	140.0
3/0	100.0	140.0	140.0
3/6	100.0	140.0	140.0

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

LOCKS SINGLE DOORS:
MANUALLY OPERATED CONCEALED FLUSH BOLTS AT TOP AND BOTTOM OF ACTIVE LEAF PART #02181 ATTACHED WITH (4) #10 X 1-1/2" SMS.
3 POINT LOCK SYSTEM AT ACTIVE LOCK STILE 36" FROM BOTTOM, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.
STRIKE PLATE 1-1/4" X 1/4" X 16-1/4" LONG ATTACHED WITH (2) #8 X 3/4" SMS

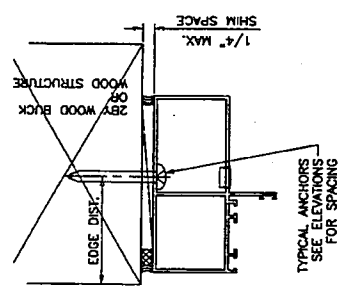
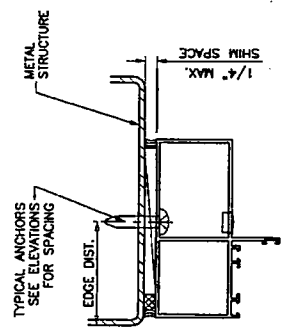
HINGES SINGLE DOORS:
TWO-HANDED COMB HING EXTRUDED ALUMINUM BRIDGE 2 BY 'GRESSE' (7) PER LEAF AT 7/0 AND 8/0 DOORS AT 3", 9" AND 28-3/8" FROM TOP AND BOTTOM, ONE AT MIDSPAN (5) PER LEAF AT 6/8 DOORS AT 3", 9" AND 28-3/8" FROM TOP AND BOTTOM

DESIGN LOAD CAPACITY - PSF			
DOUBLE (XX) DOORS			
DOOR SIZE	GLASS TYPE 'A' OR 'B'	EXT. (+)	INT. (-)
5/0	75.0	75.0	75.0
6/4	75.0	75.0	75.0
5/0	75.0	75.0	75.0
6/4	75.0	75.0	75.0
5/0	75.0	75.0	75.0
6/4	75.0	75.0	75.0

LOADS SHOWN ABOVE ARE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
LIMIT EXTERIOR (+) LOADS TO 48 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

LOCKS DOUBLE DOORS:
ACTIVE LEAF:
MANUALLY OPERATED CONCEALED FLUSH BOLTS AT TOP AND BOTTOM OF ACTIVE LEAF PART #02181 ATTACHED WITH (4) #8 X 1-1/2" SMS.
3 POINT LOCK SYSTEM AT ACTIVE LOCK STILE 36" FROM BOTTOM, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.
INACTIVE LEAF:
MANUALLY OPERATED CONCEALED FLUSH BOLTS AT TOP AND BOTTOM OF INACTIVE LEAF PART #02168 ATTACHED WITH (4) #8 X 1-1/2" SMS.

HINGES DOUBLE DOORS:
TWO-HANDED COMB HING EXTRUDED ALUMINUM BRIDGE 2 BY 'GRESSE' (5) PER LEAF AT 6", 12", 35", 63-1/2" AND 92-1/2" FROM TOP OF DOOR

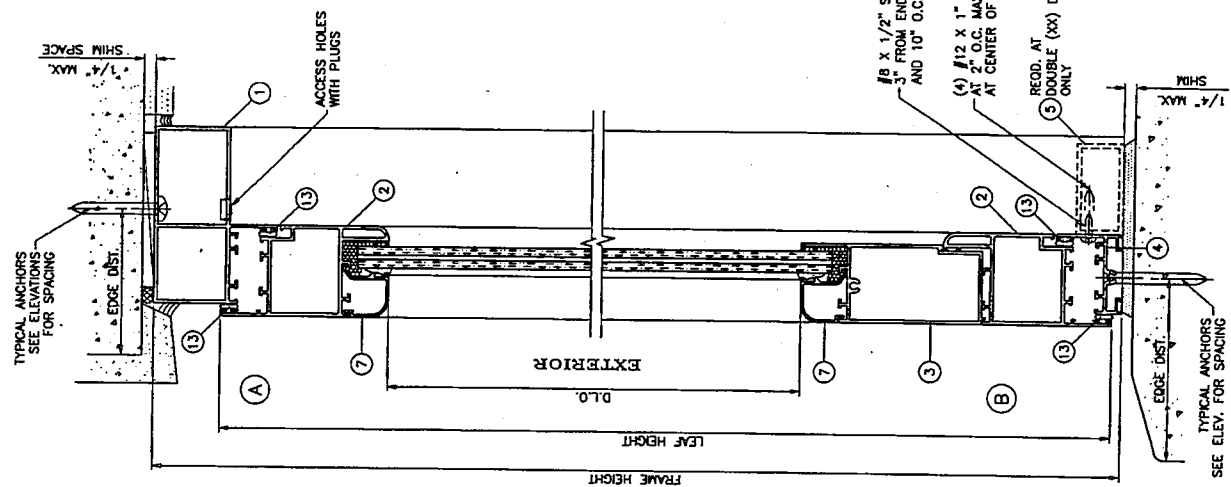
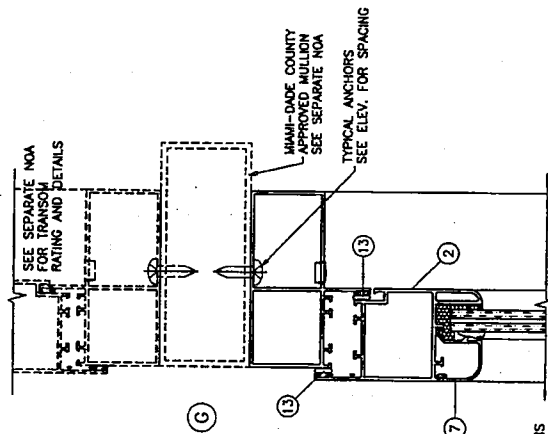
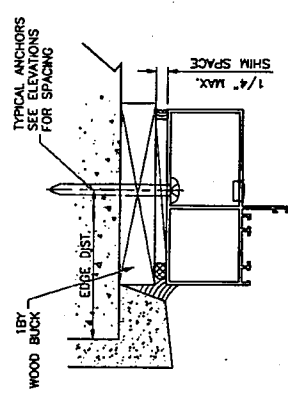


WOOD BUCKS AND METAL STRUCTURE NOT BY EUROTECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON BY TELCO (F_y=177 KSI, F_y=155 KSI)
 INTO 2x4-4x8-6x8-OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 #14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. MIN. (F_y = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

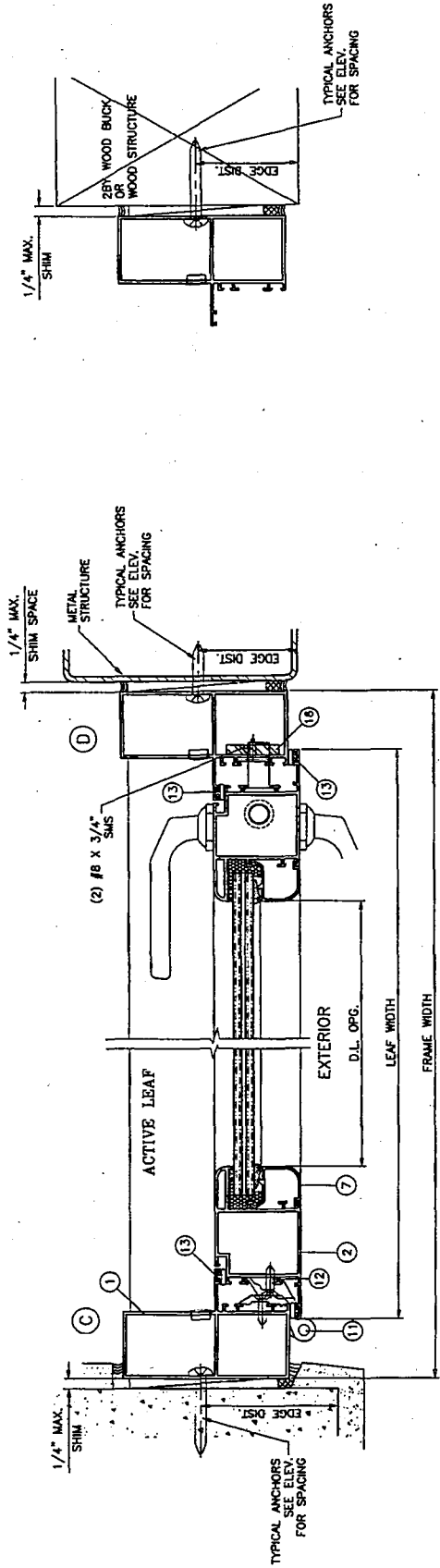
TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'_c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'_m = 2000 PSI MIN.
SEALANTS:
 ALL FRAME AND LEAF CORNERS AND JOINTS SEALED WITH
 ADSEAL OR TEKNA 50729 SEALANTS.

ENG. JAMES AHMED
 FLA. REG. # 70592
 C.A.N. 3538
 FEB 21 2012

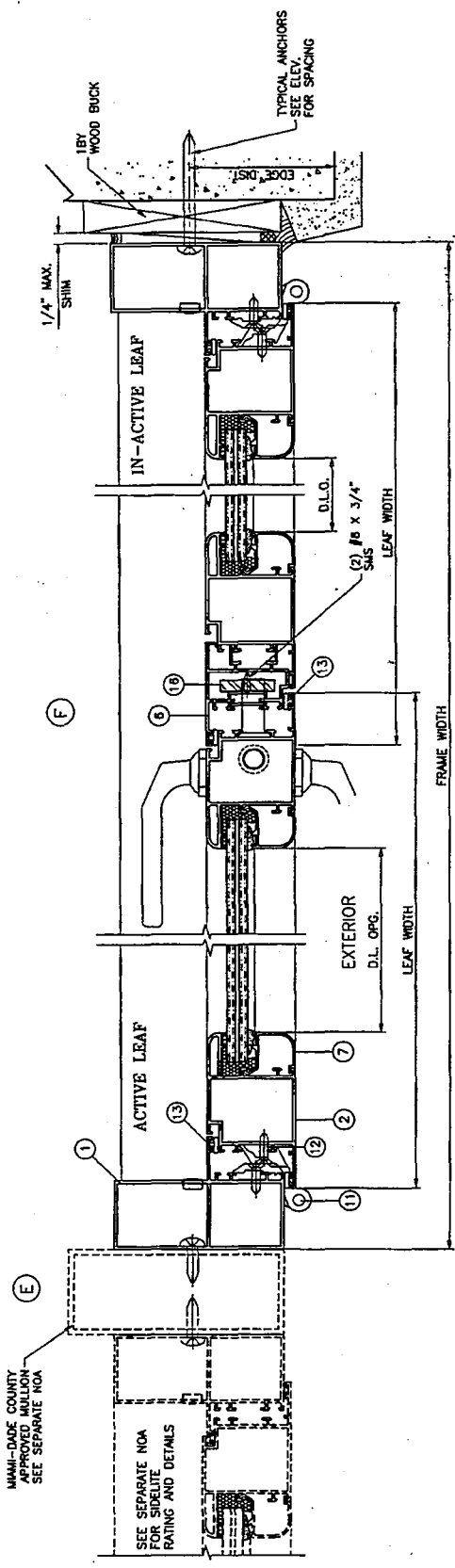


#8 X 1/2" SMS
 3" FROM ENDS
 AND 10" O.C. MAX.
 (4) #12 X 1" SMS
 AT 2" O.C. MAX.
 AT CENTER OF SILL
 REED. AT
 DOUBLE (XX) DOORS
 ONLY

FIGURE REVISED
 in accordance with the Florida
 Building Code
 Amendment No. 12-0205.03
 Adopted on 12/14/14
 By: [Signature]
 James I. Ahmed



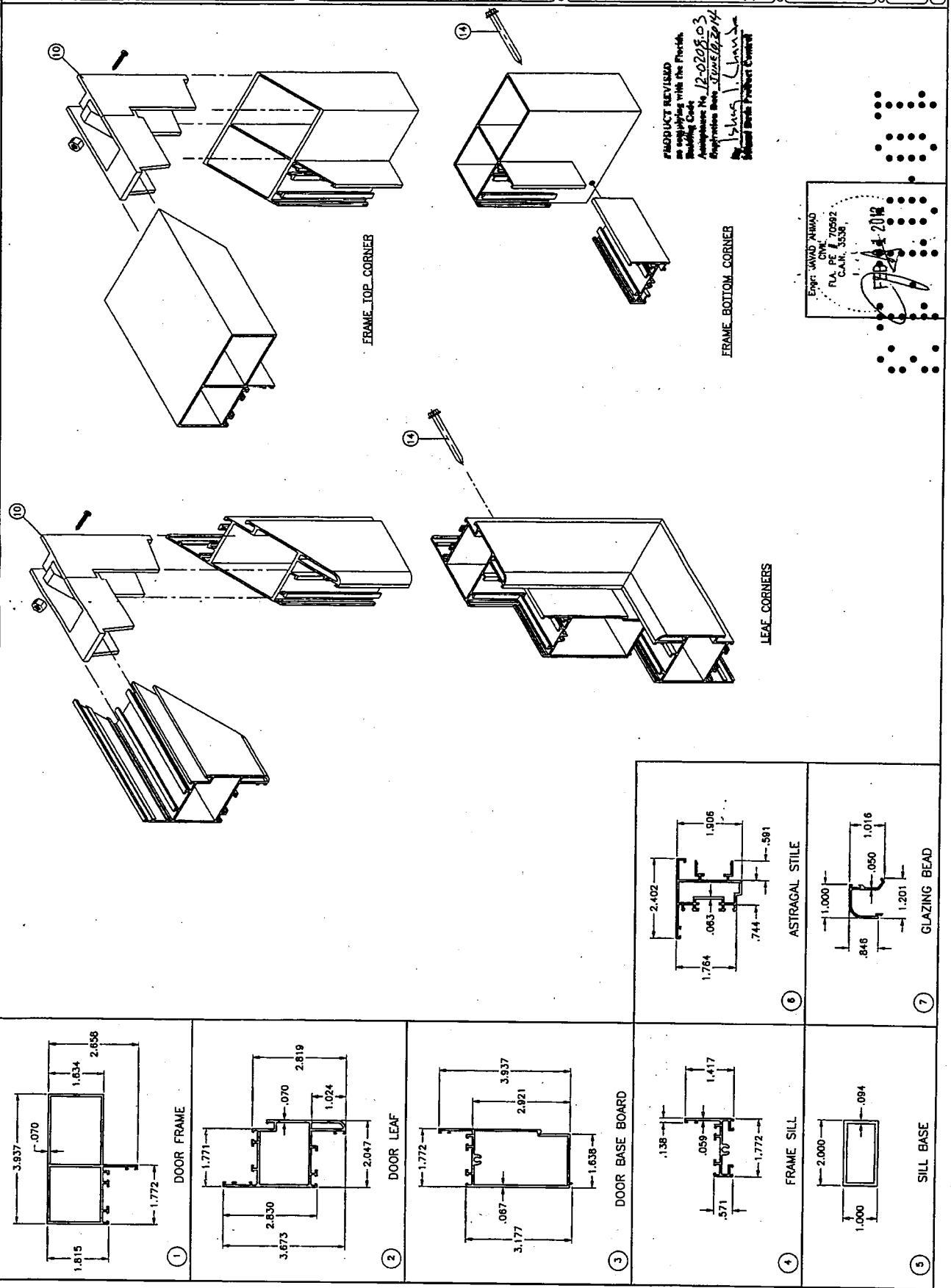
SINGLE DOOR



DOUBLE DOOR

Eng: JAVAD AHMAD
 CIVIL
 F.L.A. PE # 70392
 C.A.N. #3338
 PRODUCT REVISED
 as complying with the Florida
 Building Code
 Amendment No. 12-0208, 03
 Registration No. 210712
 Date: 11/14/12
 JAVAD AHMAD

3
 2
 1
 0



0320

MARK	Window/Door SGD, mull	WIDTH (in)	HEIGHT (in)	Window/door replaced? (y/n)	Product Approval #	Allowable pressure see NOAA		Req'd Wind Pressure, see calc's		Shutter required? (y/n)	Product rated for impact? (y/n)	Comments
						(+) psf	(-) psf	(+) psf	(-) psf			
1	FD	36.75	79	y	12-0208.03	75	85	50.4	54.8	n	y	Office
2	FD	38	81	y	12-0208.03	75	85	50.4	54.8	n	y	Office

- NOTES**
- 1 Replace existing doors or windows as designated with new doors w/ current Miami Dade product approval or State of Florida product approval
 - 2 No change in rough opening sizes) were made. The existing opening is not to be modified.
 - 3 All door frames to be attached through existing wood backs with a 3/16" diameter "Tapcon" screws minimum embedment into the concrete/masonry shall be not less than 1-1/4". Quantity and spacing of fasteners shall be in accordance with the NOAA and/or manufacturer's specifications.
 - 4 Windows or impact resistance is required in accordance with the "Existing Building Florida Building Code" section 507.3, "area required is greater than 25% of total aggregate area".
 - 5 Wind design pressures are calculated in accordance with ASCE 7-10, Method 2, see attached calculations.
 - 6 We have attempted to accurately depict the field conditions based on information submitted by others. This information may be lacking but we respectfully submit that this does not impact our calculations. If there is a substantial difference, then notify this engineer for a revised plan/calculation.

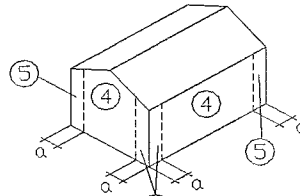
For theta < 10 degrees the GCp values have been reduced by 10%									
		Exterior AEM of component (ft²)		GCp (positive, AEM)		GCp (negative, S)		P positive	
Opening Mark	Width (in)	Height (in)	Area (ft²)	GCp	GCp	GCp	P	P	P
1	36.75	79.0	21.3	0.83	-0.91	-1.17	50.4	-51.9	positive
2	36.0	81.0	21.9	0.83	-0.94	-1.17	50.4	-54.8	negative

V(gale)	175	15th FBC for HV52, or Fig. 26.5-1a
Risk Category	II	Table 1-1, page 2
Exposure	4	Section 26.7
Length of Building (ft)	159	
Width of Building (ft)	49	
Mean Roof Height (ft)	49	
K _z	1.23	Table 30.3-1
K _d	0.85	Table 26.6-1, page 110
K _c	1	Figure 30.4-1, page 112
pitch of roof theta	0/12	0.0 degrees
	0/12	Reduction factor for slope of roof
q (psf)	81.42	Velocity Wind Pressure @ mean roof height
GC _p	0.83	-0.91
a1	4.00	100% of width 1
a2	12.00	100% of width 2
a3	16	0.67x mean roof height
x	4.00	End Zone distance



$$F_z = q_s \left(C_{fz} - C_{fz0} \right)$$

See Table 6-7, p. 621

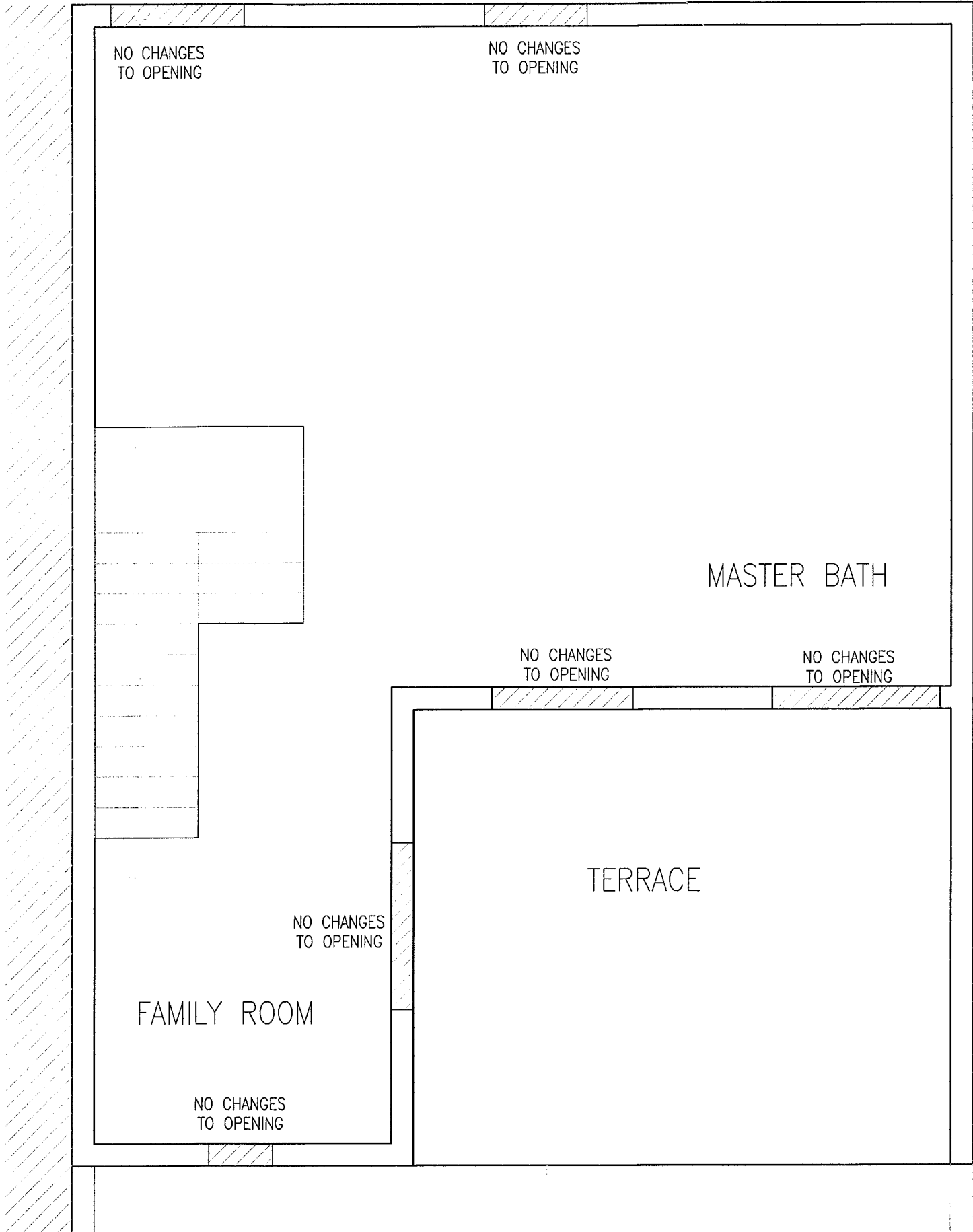


$$P = q \left[\frac{GCp}{GCp} - GCp \right]$$

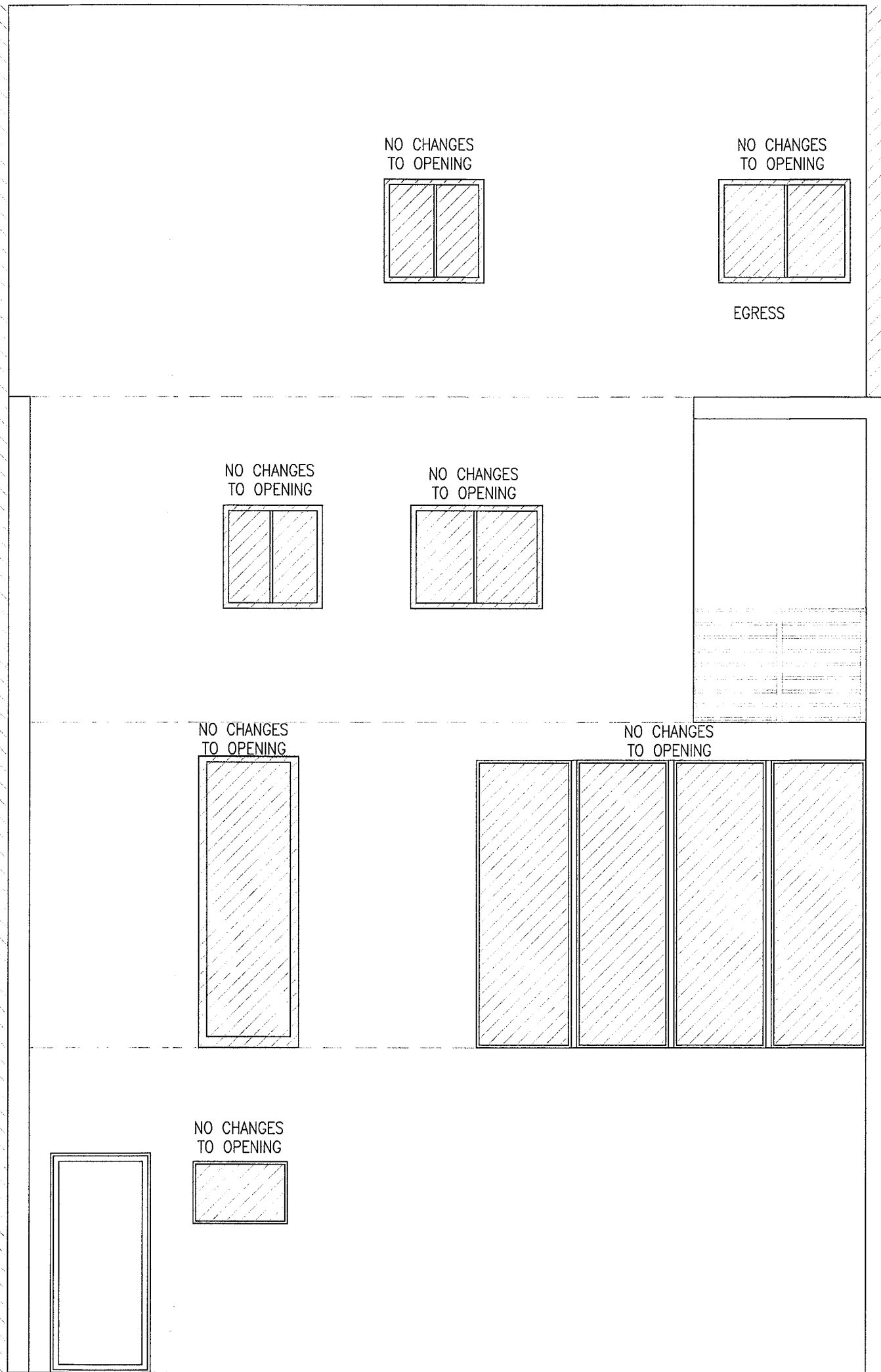
INSPECTOR NOTE
NEW STRUCTURAL COMPONENTS WERE DESIGNED BASED ON THE FBC 2010, AND ASCE 7-10, 175 MPH (3 SEC), EXP. D. RISK CAT. 2.

INSPECTOR NOTE
REPAIRS ARE OF A LEVEL 1 ALTERATION IN ACCORDANCE WITH 403.1 OF THE EXISTING BUILDING CODE.

INSPECTOR NOTE
ALL ESCAPE WINDOWS "EGRESS" SHALL PROVIDE A CLEAR OPENING OF 20"Wx24"H MINIMUM WITH NO OBSTRUCTIONS.

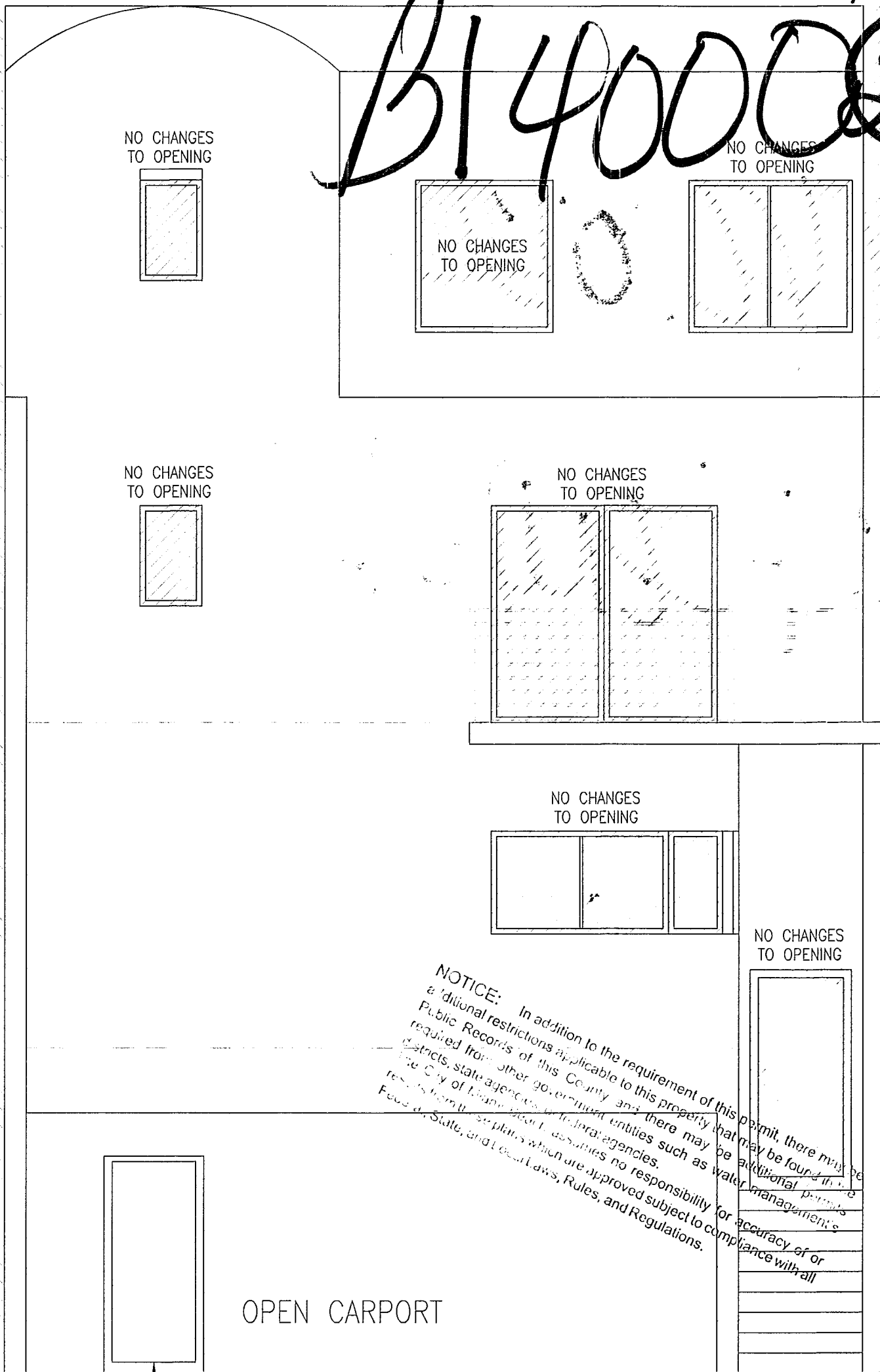


4th FLOOR PLAN
SCALE: 1/4" = 1'-0"



1
FD
+50.4
-54.8
12-0208.03

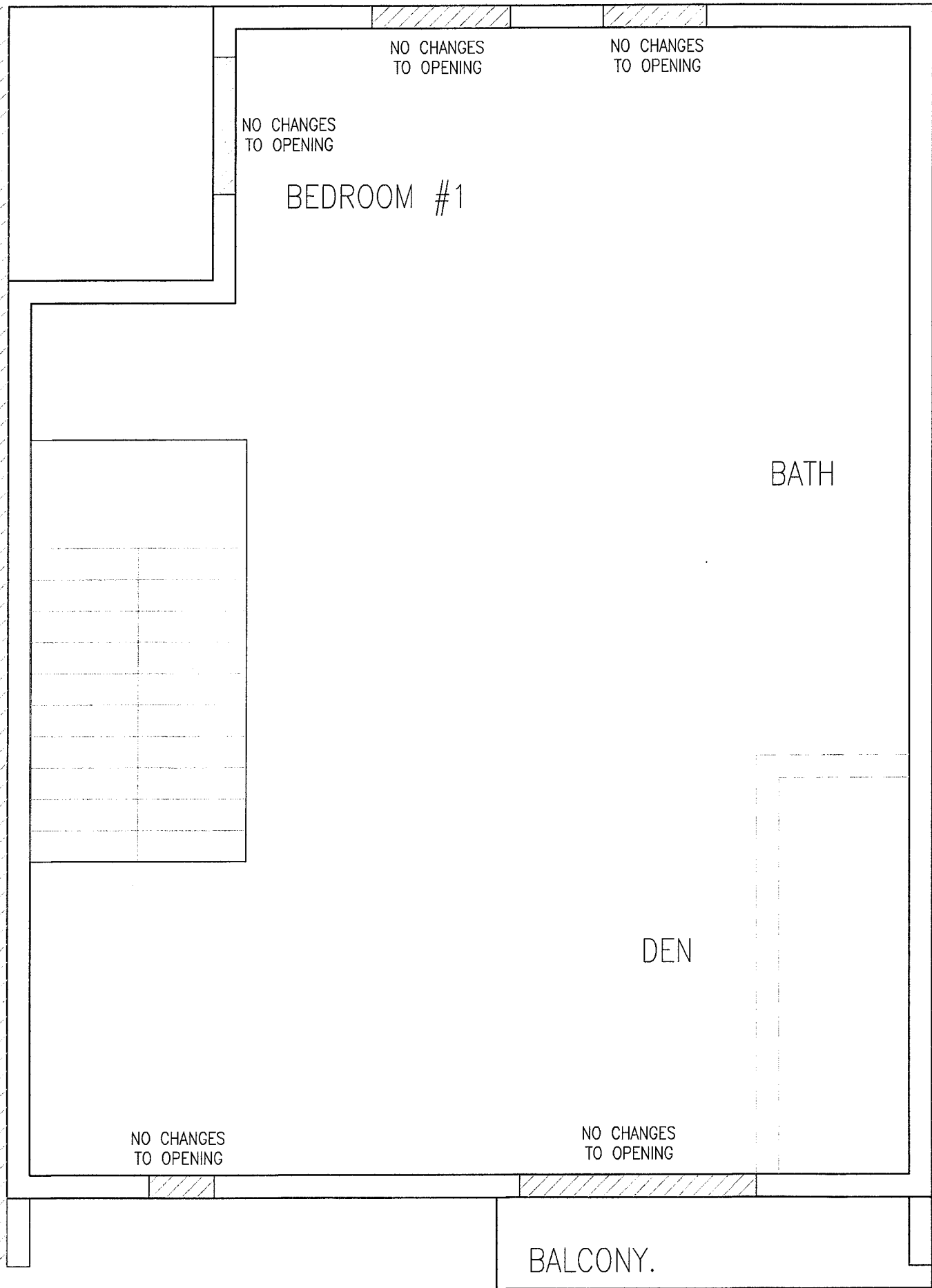
PARTIAL REAR ELEVATION
SCALE: 1/4" = 1'-0"



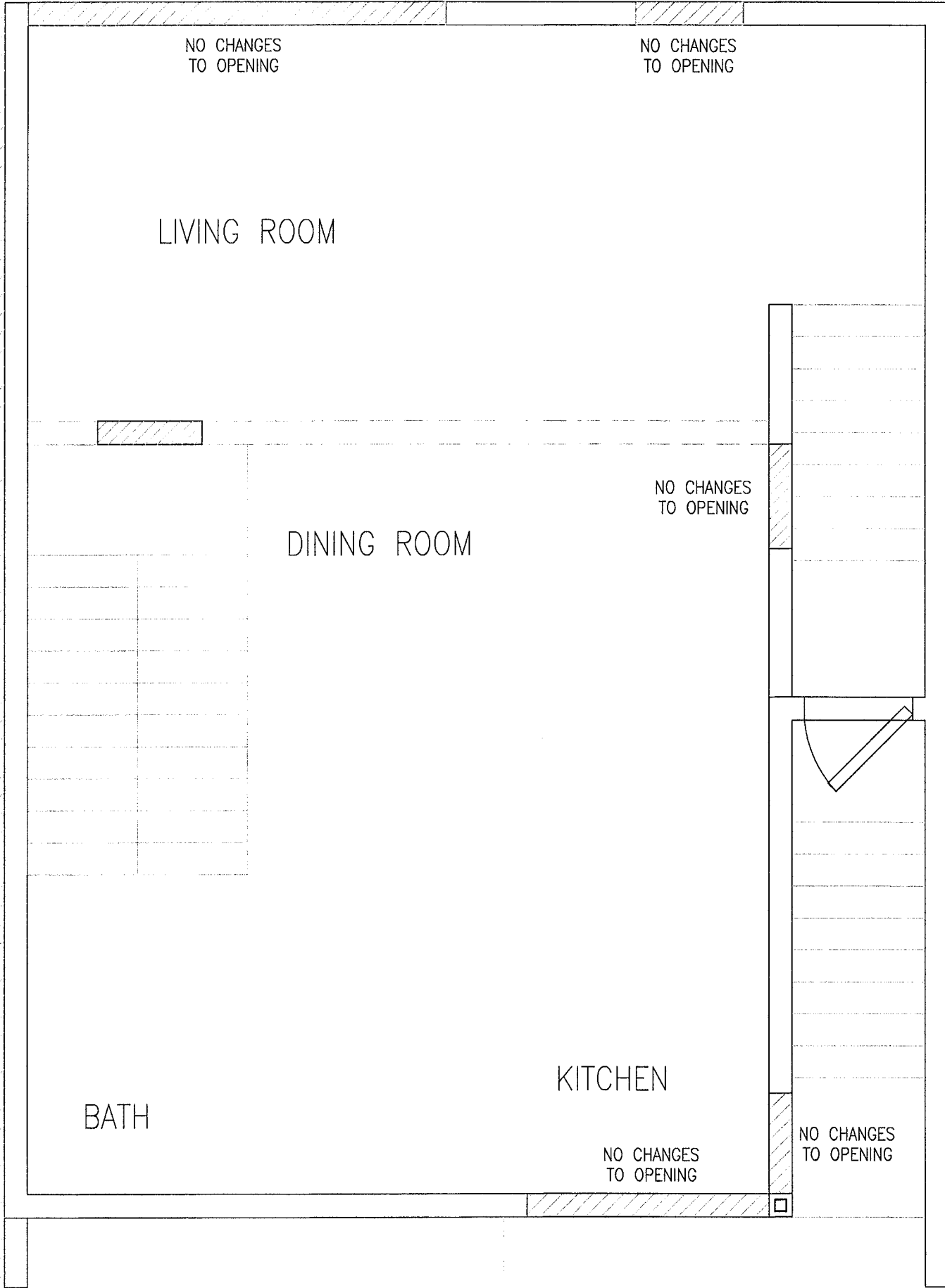
2
FD
+50.4
-54.8
12-0208.03

PARTIAL FRONT ELEVATION
SCALE: 1/4" = 1'-0"

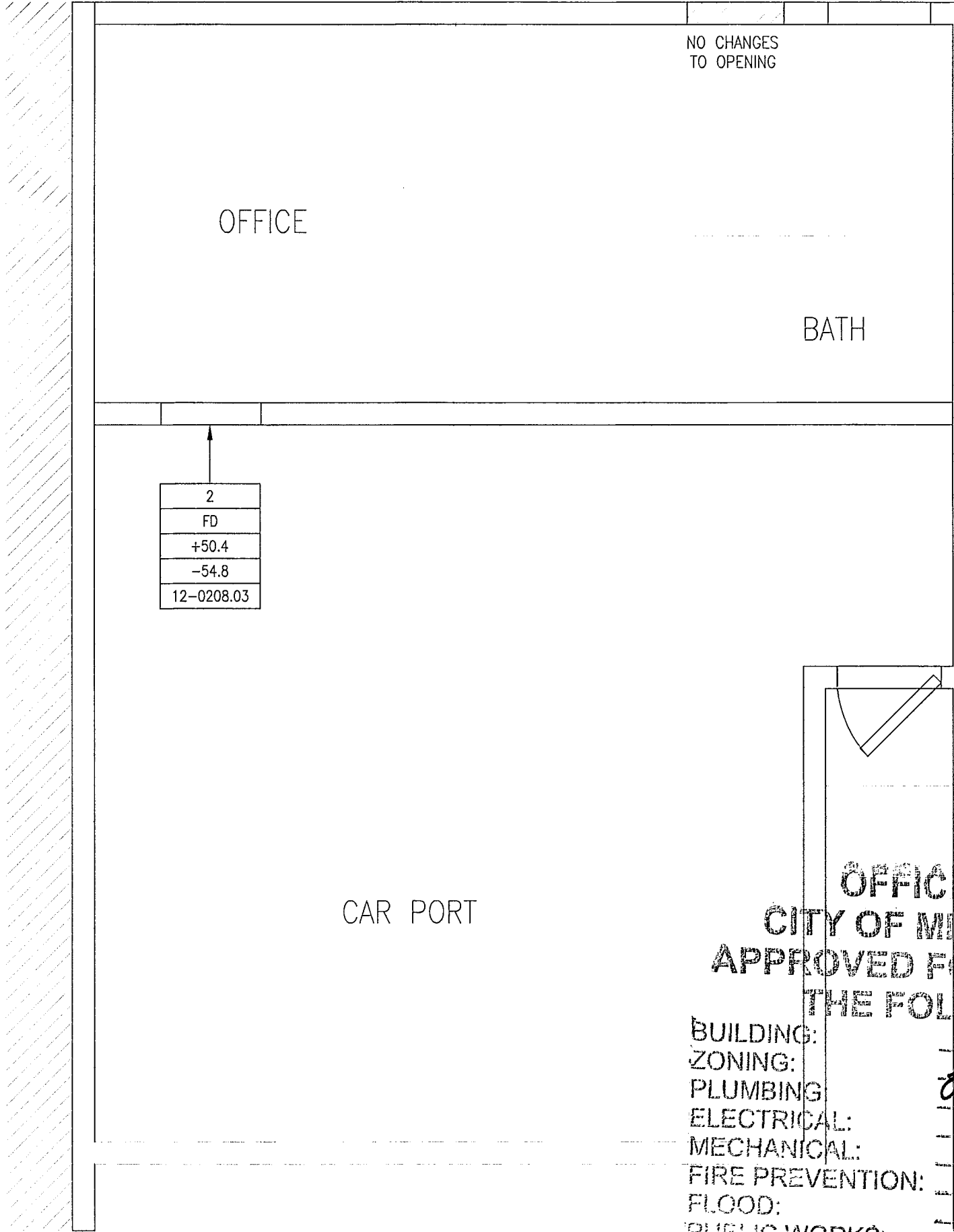
1
FD
+50.4
-54.9
12-0208.03



3rd FLOOR PLAN
SCALE: 1/4" = 1'-0"



2nd FLOOR PLAN
SCALE: 1/4" = 1'-0"



2
FD
+50.4
-54.8
12-0208.03

CAR PORT

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: _____
ZONING: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
FLOOD: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
DATE: 9/26/13
RVD. BY: G.M.D.
DRWN. BY: C.K.

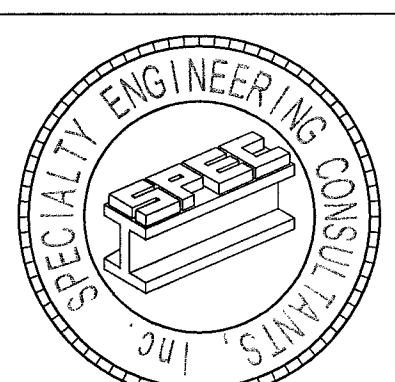
1st FLOOR PLAN
SCALE: 1/4" = 1'-0"

The use of these specifications and plans shall be restricted to the original client and site for which they were prepared. Any reproduction or distribution is expressly limited to such use. Any reproduction, reuse, or disclosure by any method, in whole or in part, is prohibited. These drawings and specifications contain proprietary information and shall remain the property of Specialty Engineering Consultants, Inc.

SHEET INFORMATION
NEW WINDOW AND DOOR INSTALLATIONS

PROJECT INFORMATION
KHALIL RESIDENCE
1024 LENOX AVE
UNIT #6
MIAMI BEACH, FL

CLIENT INFORMATION
FLORIDA HOME IMPROVEMENT
4070 SW 30 AVE
HOLLYWOOD, FL 33312



SPECIALTY ENGINEERING CONSULTANTS, Inc.
1599 SW 30th AVE.
SUITE #20
BOYNTON BEACH, FL 33426
DADE - BROWARD - PALM BEACH
FL. CA. #009217

561 - 752 - 5440 OFFICE
561 - 752 - 5542 FAX

FILE NAME: struct_Khalil_FHA
SCALE: 1/4"=1'-0"
DATE: 9/26/13
RVD. BY: G.M.D.
DRWN. BY: C.K.

REVISION: 0

SEP 26 2013
SEAL: GARY McDUGGLE, PE FL #5214
SHEET # S1 OF 1

SOONIA
B/4002

1024LEWKA