LASON

PERMIT #

B0401489

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MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2538

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 372-2988

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Best Rolling Doors, Inc.
9625 NW 80TH AVENUE
Hialeah Gardens ,FL 33016-2313

Your application for Notice of Acceptance (NOA) of:
Roll-Up Door
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

OFFICE COPY
DADE COUNTY, FLORIDA

The expense of any testing required shall be borne by the manufacturer.

ACCEPTANCE NO: 00-0607.05
EXPIRES: JUN 2 8 2004

Raul Rodriguez
Chief Product Control Division

BUILDING: FOR PERMIT BY
THIS IS THE COVERSHEET. SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
DISCIPLINE: CONDITIONS
CONCURRENCY: BUILDING CODE & PRODUCT REVIEW COMMITTEE
PLUMBING:

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

STRUCTURAL:
ENGINEERING:
ARCHITECTURAL:
ACCESSIBILITY:
ELEVATOR:

APPROVED: 06/28/2001 As Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

Best Rolling Doors, Inc.

ACCEPTANCE NO: 00-0607.05
APPROVED: JUN 2 8 2001
EXPIRES: JUN 2 8 2004

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE:
1.1 This approves a roll up door with maximum dimensions of 16'-0" wide x 28'-6" high as described in section 2 of this Notice of Acceptance. It is designed to comply with the South Florida Building Code, 1994 edition for Miami-Dade County (S.F.B.C.). For the locations where the pressure requirements, as determined by the S.F.B.C. chapter 23, do not exceed the design pressure rating values indicated on the approved drawings.

2.0 PRODUCT DESCRIPTION:
2.1 The Best roll-Up Door and its components shall be built in strict compliance with the following documents: Drawing No. 99-157, sheets 1 and 3 of 3, titled "ROLL-UP DOOR", prepared by Tilteco Inc. dated 05/05/99 and with latest revision on 01/20/01. The drawing shall bear the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3.0 LIMITATION:
3.1 Units with dimensions equal to or smaller than those shown on the approved drawing shall qualify under this approval.
3.2 This approval requires the manufacturer to do testing of all coils used to fabricate door slats under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County Approved Laboratory selected and paid by the manufacturer. Every 3 months, 4 times a year the manufacturer shall mail to this office a copy of the Test Reports with confirmation that the specimens were selected from coils at the manufacturer's production facilities and a notarized statement from the manufacturer that only coils with yield strength of 40 ksi or more shall be used to make door panels for DADE COUNTY under this Notice of Acceptance.

4.0 INSTALLATION:
4.1 The Roll-Up Door and its components shall be installed in strict compliance with the approved drawings.
4.2 The installation of this door does not require a hurricane protection system.
4.3 The door operating mechanism (not included on this approval) shall be certified by Underwriters Laboratories or other recognized agency.

5.0 LABELLING:
5.1 Each door shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement "Miami Dade County Product Control Approved"

6.0 BUILDING PERMIT REQUIREMENTS:
6.1 Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance including duplicate copies of the approved drawings, identified in section 2; clearly marked to show the components selected for the proposed installation.
6.1.2 Any other document required by the building Official or the S.F.B.C. in order to properly evaluate the installation of this system.

Candido Font, PE, Sr. Product Control Examiner
Product Control Division

Best Rolling Doors, Inc.

ACCEPTANCE NO: 00-0607.05
APPROVED: JUN 2 8 2001
EXPIRES: JUN 2 8 2004

NOTICE OF ACCEPTANCE STANDARD CONDITIONS:

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.

2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering professions.

4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
   a) Unsatisfactory performance of this product or process;
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.

6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer need not reseal the copies.

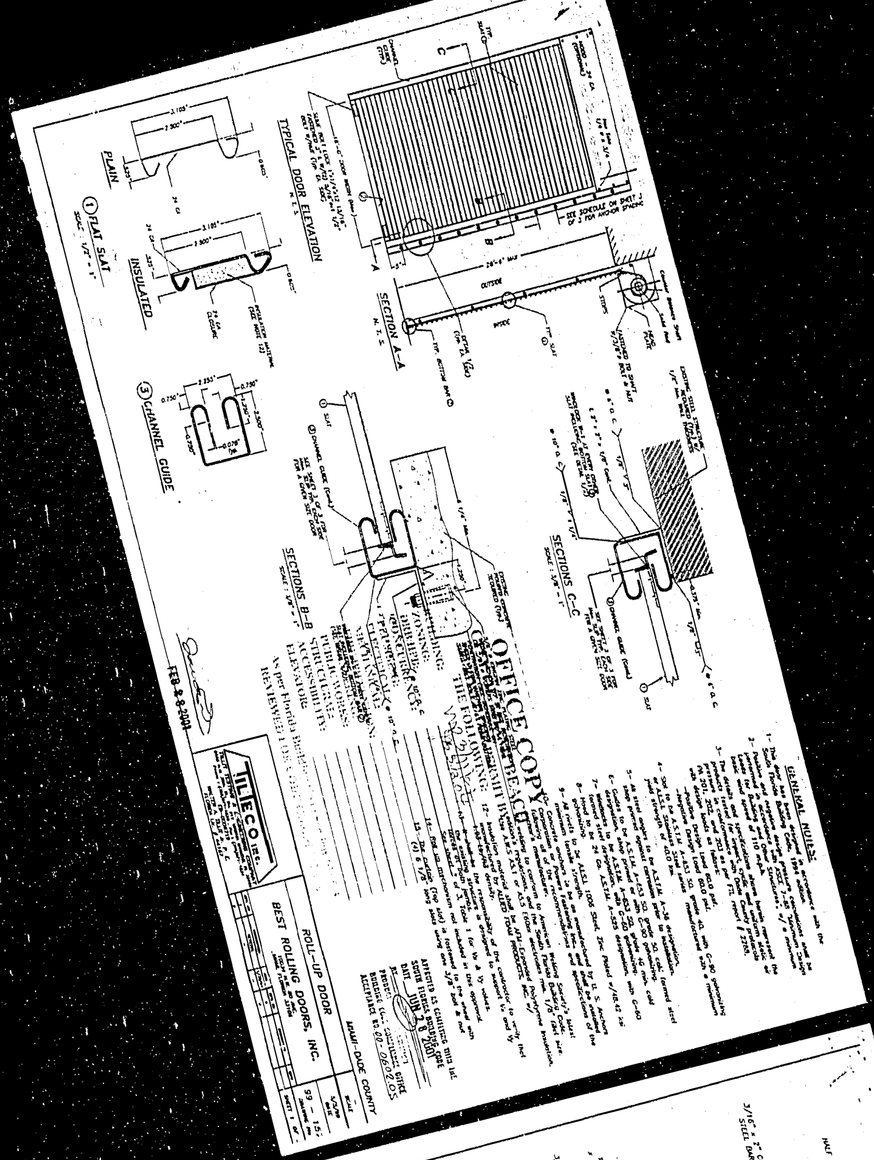
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

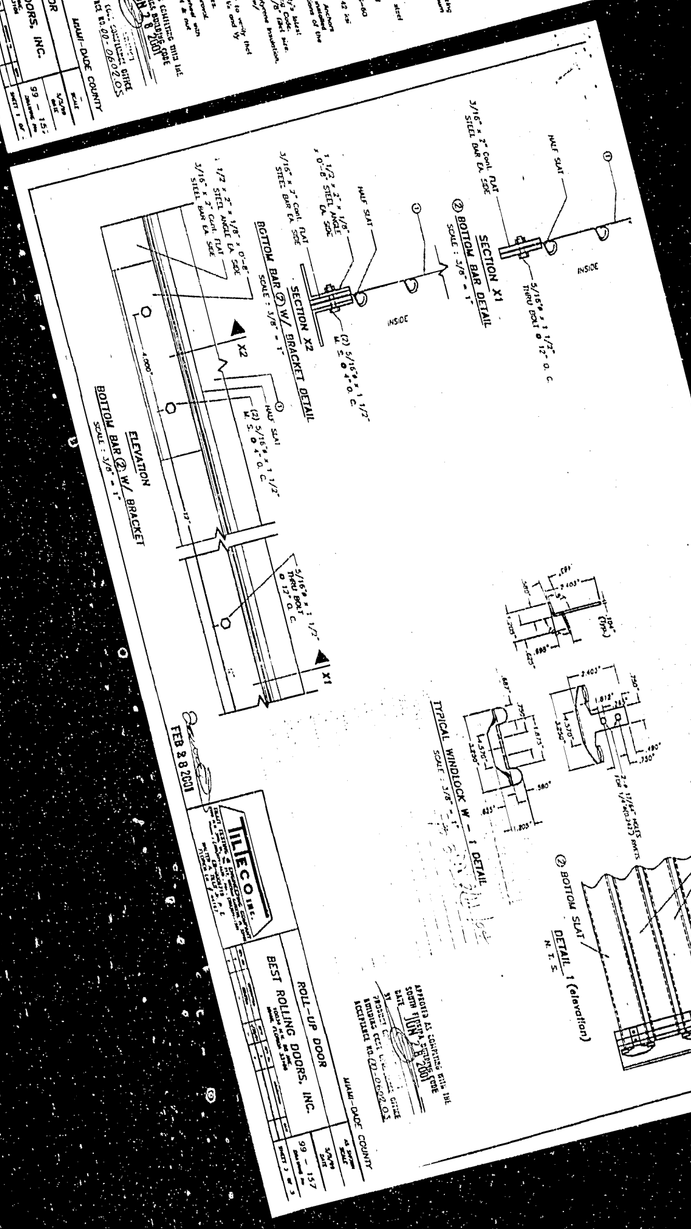
9. This Acceptance contains pages 1, 2, and this last page 3.

Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE.

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GENERAL NOTES:
OFFICE COPY
SECTION A-A
SECTIONS C-C
SECTIONS B-B
TYPICAL DOOR ELEVATION
1 FLAT SLAT
INSULATED
3 CHANNEL GUIDE
ILLECO
ROLL-UP DOOR
BEST ROLLING DOORS, INC.
MIAMI-DADE COUNTY
FEB 2 8 2001

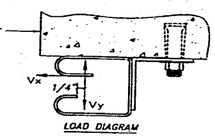

SECTION X1
BOTTOM BAR DETAIL
SECTION X2
BOTTOM BAR (2) W/ BRACKET DETAIL
ELEVATION
BOTTOM BAR (2) W/ BRACKET
TYPICAL WINDLOCK W - 1 DETAIL
BOTTOM SLAT
DETAIL 1 (elevation)
ILLECO
ROLL-UP DOOR
BEST ROLLING DOORS, INC.
MIAMI-DADE COUNTY
FEB 2 8 2001

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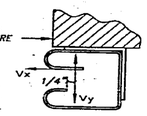
Vx & Vy REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft.)	SLAT (in)	Vx (Lb/Ft)	Vy (Lb/Ft)	ANCHOR SPACING			
					FOR Min. f'c = 2000 psi CONCRETE		FOR Min. f'c = 4000 psi CONCRETE	
					TYPE 1 *	TYPE 2 **	TYPE 1 *	TYPE 2 **
+50.0, -50.0	8'-0" OR LESS	1/16"	2127	225	9"	12"	12"	12"
	12'-0"	1/8"	2617	300	7"	11"	9 1/2"	12"
	14'-0"	3/16"	2787	350	6 1/2"	10"	8 1/2"	12"
	16'-0"	5/16"	2681	400	6 1/2"	9 1/2"	8 1/2"	12"
+60.0, -60.0	8'-0" OR LESS	1/16"	2667	270	7 1/2"	11 1/2"	9 1/2"	12"
	12'-0"	1/8"	3205	350	6"	9"	8"	12"
	14'-0"	3/16"	3392	420	5 1/2"	8"	9 1/2"	12"
	16'-0"	5/16"	3253	480	5 1/2"	8"	8"	12"

EXISTING STRUCTURE



LOAD DIAGRAM



EXISTING STRUCTURE

LOAD DIAGRAM

* TYPE 1 ANCHOR : 5/8" ø KINGPIN ZINC PLATING WEDGE ANCHOR W/ 5" MINIMUM EMBEDMENT.

** TYPE 2 ANCHOR : 5/8" ø POWERS RAWL BOLT W/ 4" MINIMUM EMBEDMENT.

MAXIMUM SPACINGS FOR f'c = 3000 psi CONCRETE MAY BE INTERPOLATED IN BETWEEN f'c = 2000 psi AND f'c = 4000 psi.

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING:
ZONING:
FIRE/PE:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:
As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 2 8 2001
BY
PRODUCT CONTROL SECTION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0602.05

MIAMI-DADE COUNTY

TILECO INC.	ROLL-UP DOOR	SCALE
TILE TESTING & ENGINEERING CONSULTANTS	BEST ROLLING DOORS, INC.	5/4/99 DATE
	10534 N.W. 80 AVE. MIAMI, FLORIDA 33166	99 - 157 DRAWING No.

FEB 0 9 2000

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1561
(305) 375-2901 FAX (305) 375-2908

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

SHIELD SHUTTERS, INC.
7272 N.W. 25TH Street
Miami, Florida 33122

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: 0.036" (min.) Galvanized Steel Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 02-355, titled " 20 gage Galvanized Steel Storm Panel ", sheets 1 through 8 of 8, including sheet 1A, total of 9 sheets, prepared by Tilteco, Inc., dated June 12, 2002, last revision #1 dated June 12, 2002, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the 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 **revises NOA # 00-1013.05** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Helmy A. Makar, P.E.

NOA No **02-0619.04**
Expiration Date: 12/31/2005
Approval Date: 07/01/2002
Page 1

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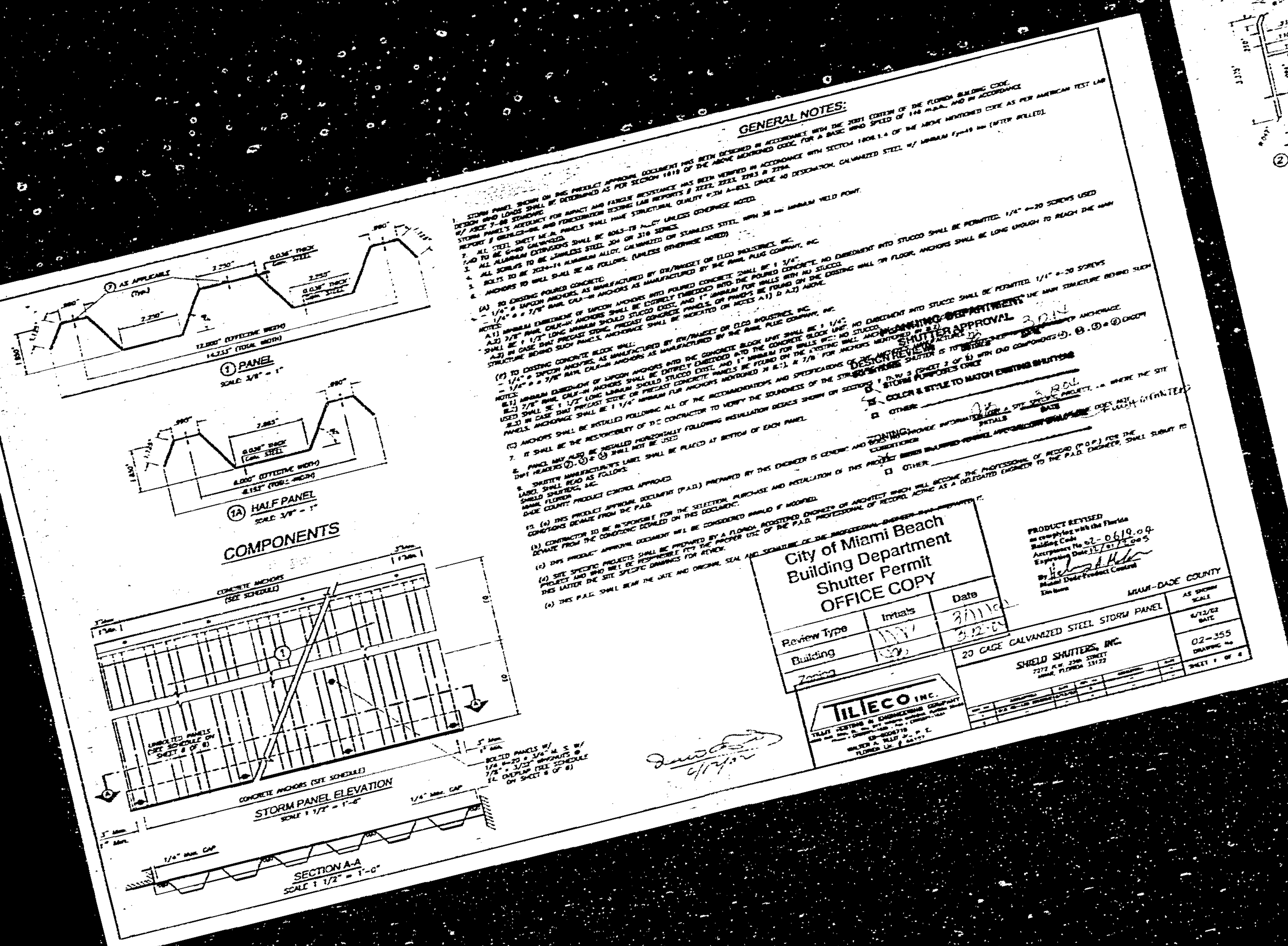
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

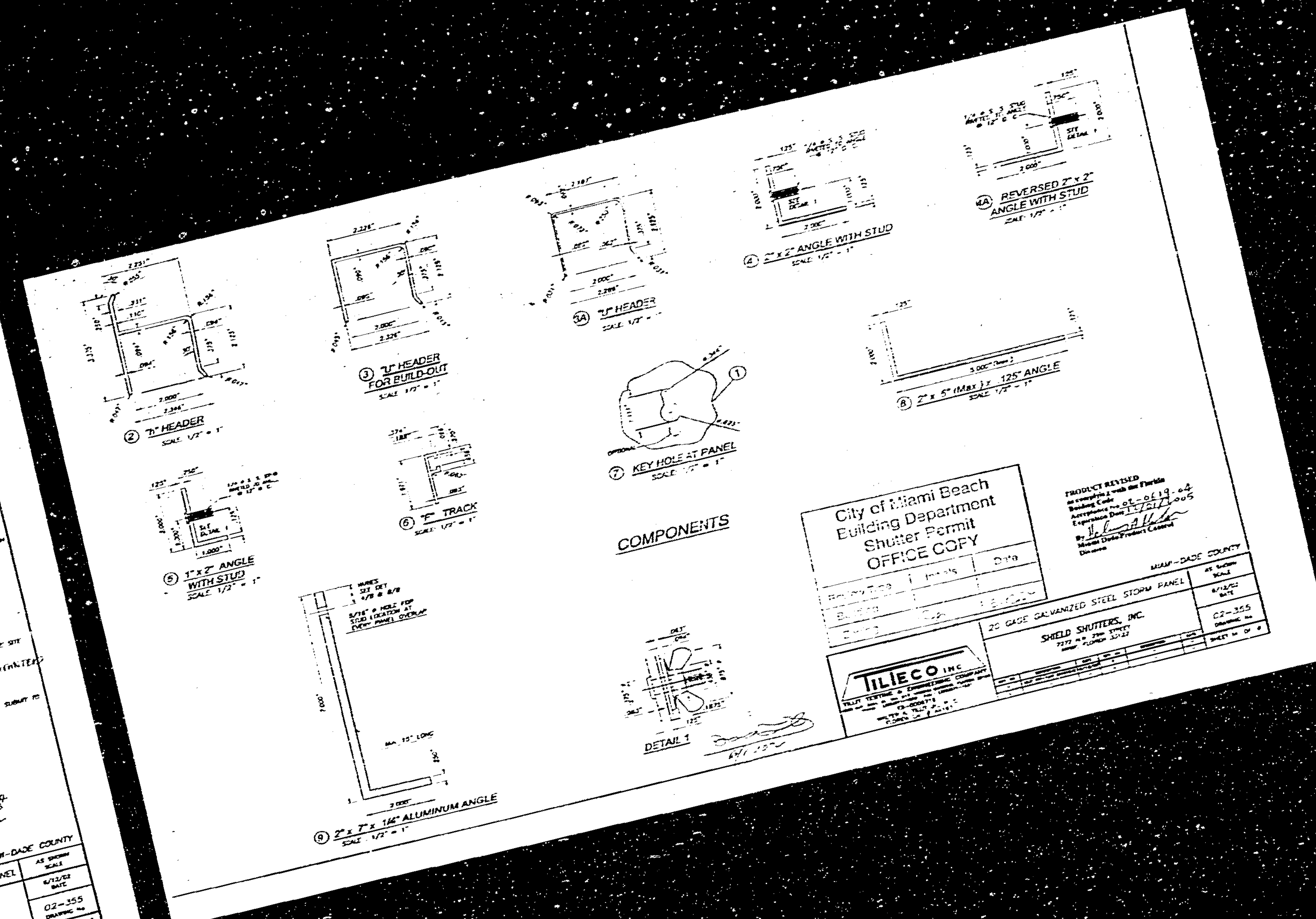
BUILDING: _____
ZONING: _____
DRB/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ACCESSIBILITY: _____
ELEVATOR: _____

As per Florida Building Code Section 104.5.A
REVIEWED FOR CODE COMPLIANCE

Mr. Jim Sivers

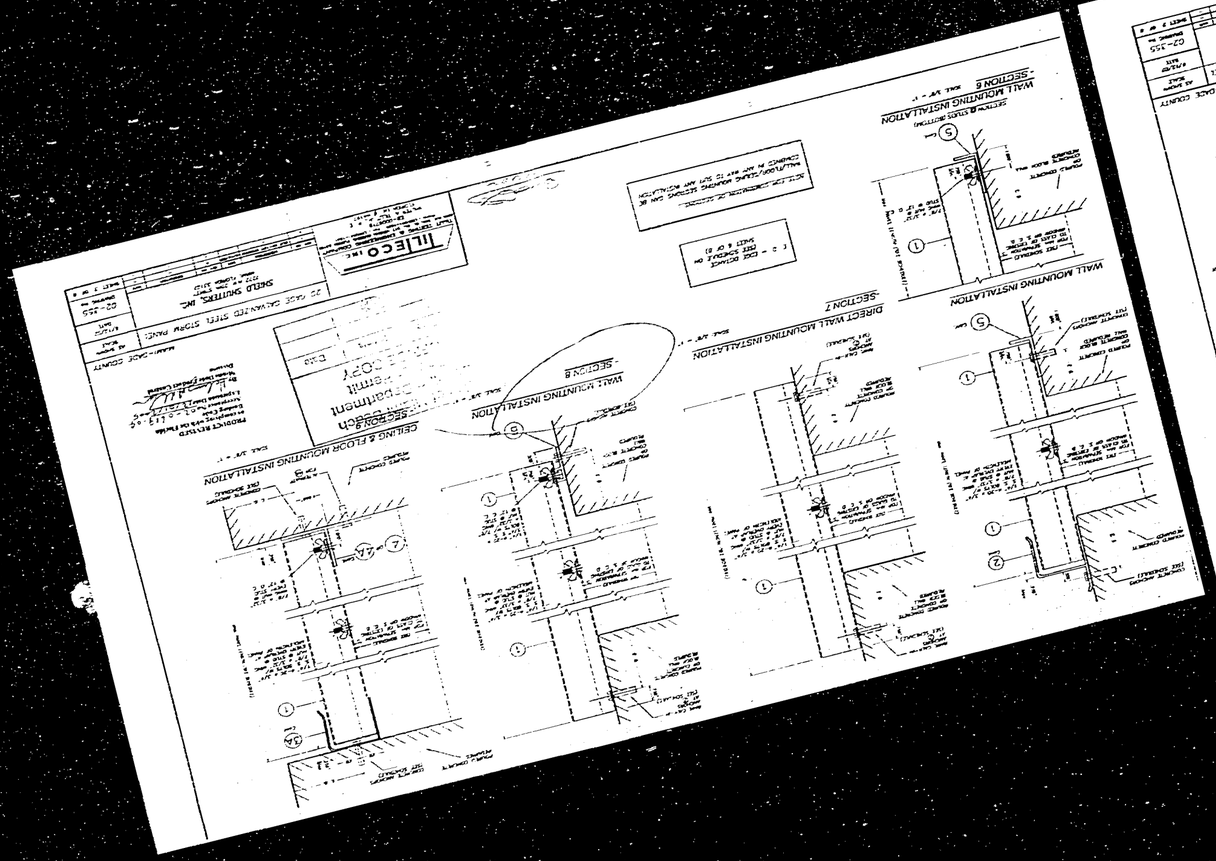
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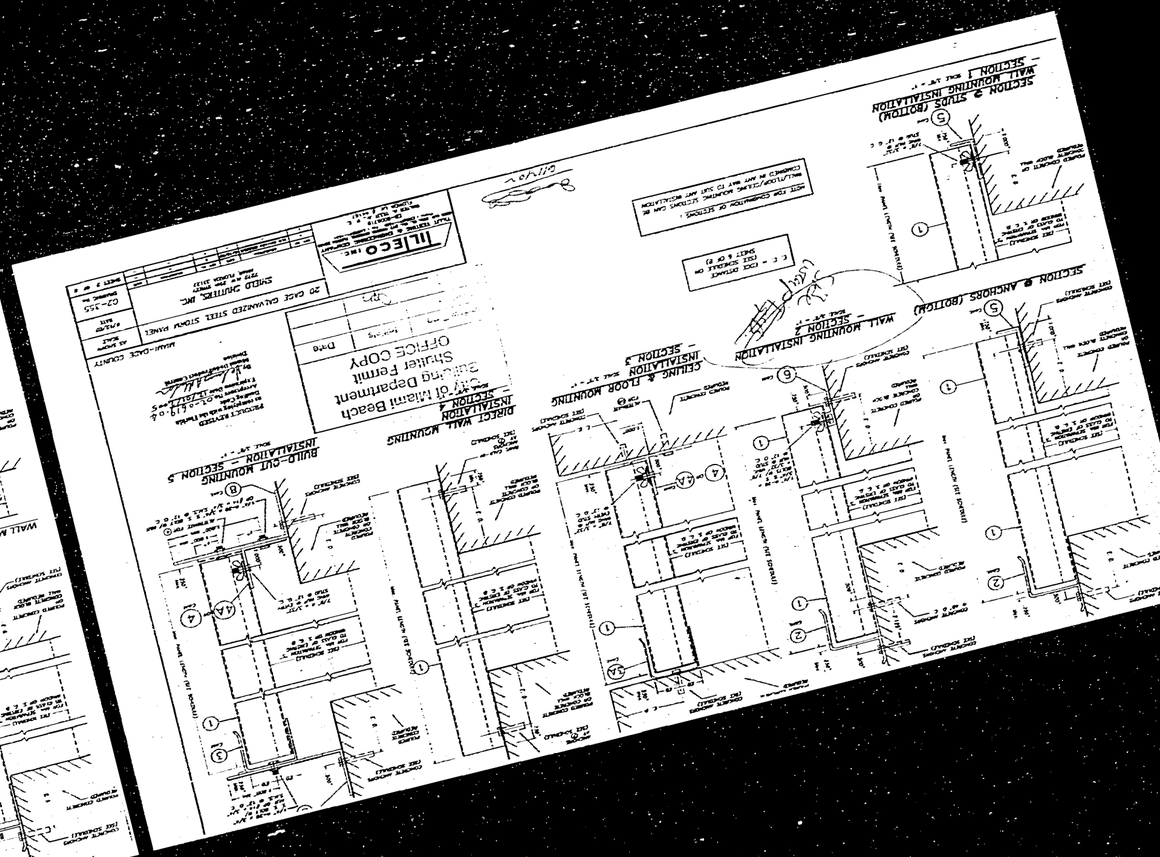

GENERAL NOTES:
① PANEL
SCALE 3/8" = 1"
1A HALF PANEL
SCALE 3/8" = 1"
COMPONENTS
CONCRETE ANCHORS (SEE SCHEDULE)
STORM PANEL ELEVATION
SCALE 1 1/2" = 1'-0"
SECTION A-A
SCALE 1 1/2" = 1'-0"
SHUTTER APPROVAL
DESIGN REVIEW
STORM PURPOSES ONLY
COLOR & STYLE TO MATCH EXISTING SHUTTERS
City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY
Review Type
Initials
Date
Building
Zoning
PRODUCT REVISED
as complying with the Florida Building Code
MIAMI-DADE COUNTY
20 GAGE GALVANIZED STEEL STORM PANEL
SHIELD SHUTTERS, INC.
02-355
TILTECO INC.

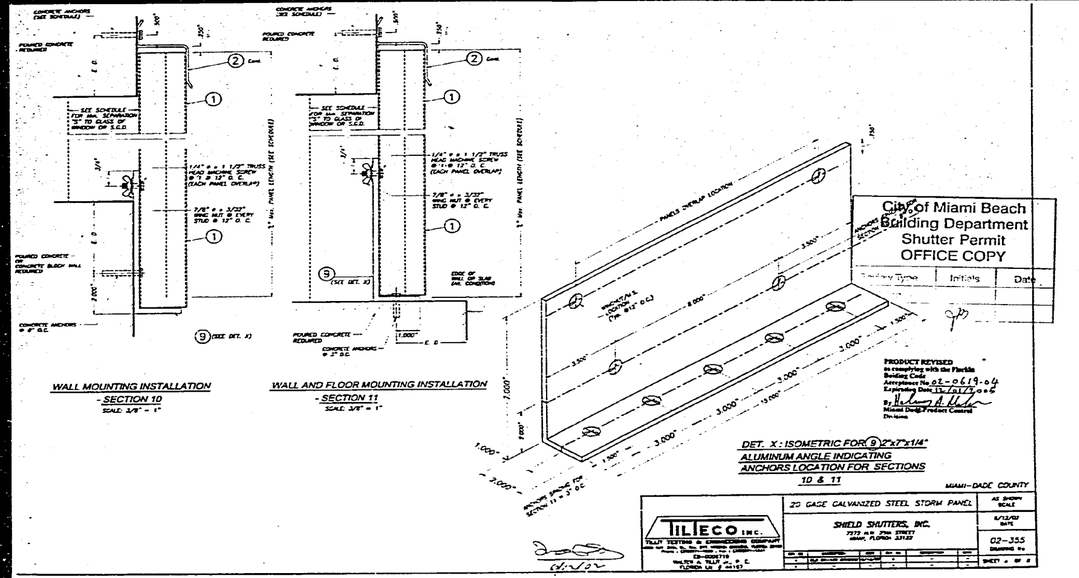

② "h" HEADER
SCALE 1/2" = 1"
③ "U" HEADER FOR BUILD-OUT
SCALE 1/2" = 1"
3A "U" HEADER
SCALE 1/2" = 1"
④ 2" x 2" ANGLE WITH STUD
4A REVERSED 2" x 2" ANGLE WITH STUD
⑤ 1" x 2" ANGLE WITH STUD
SCALE 1/2" = 1"
⑥ "F" TRACK
SCALE 1/2" = 1"
⑦ KEY HOLE AT PANEL
⑧ 2" x 5" (Max.) x .125" ANGLE
SCALE 1/2" = 1"
⑨ 2" x 7" x 1/4" ALUMINUM ANGLE
SCALE 1/2" = 1"
DETAIL 1
COMPONENTS
City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY
PRODUCT REVISED
as complying with the Florida Building Code
MIAMI-DADE COUNTY
20 GAGE GALVANIZED STEEL STORM PANEL
SHIELD SHUTTERS, INC.
02-355
TILTECO INC.

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SHIELD SHUTTERS, INC.
22 GAGE GALVANIZED STEEL STORM PANEL
SECTION 8
WALL MOUNTING INSTALLATION
SECTION 7
DIRECT WALL MOUNTING INSTALLATION
SECTION 6
CEILING & FLOOR MOUNTING INSTALLATION
City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY


SECTION 1
WALL MOUNTING INSTALLATION
SECTION 2
CEILING & FLOOR MOUNTING INSTALLATION
SECTION 3
DIRECT WALL MOUNTING INSTALLATION
SECTION 4
BUILD-OUT MOUNTING INSTALLATION
SECTION 5
SECTION 6 ANCHORS (BOTTOM)
SECTION 7 STUDS (BOTTOM)
WALL MOUNTING INSTALLATION
SECTION 8
WALL MOUNTING INSTALLATION



WALL MOUNTING INSTALLATION
- SECTION 10
SCALE: 3/8" = 1"

WALL AND FLOOR MOUNTING INSTALLATION
- SECTION 11
SCALE: 3/8" = 1"

DET. X : ISOMETRIC FOR (9) 2"x7"x1/4" ALUMINUM ANGLE INDICATING ANCHORS LOCATION FOR SECTIONS 10 & 11

City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY

Review Type	Initials	Date
Building		
Zoning		

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0619.04
Expiration Date: 12/31/12
By:
Miami-Dade Product Control Division

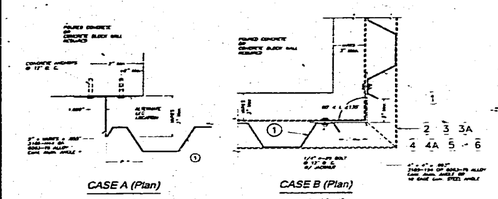
MIAMI-DADE COUNTY

TILLECO INC.
TILLEY TESTING & ENGINEERING COMPANY
FL-0000716
WALTER A. TILLEY JR., P.E.
FLORIDA LIC. # 44167

20 GAGE GALVANIZED STEEL STORM PANEL

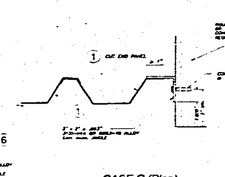
SHIELD SHUTTERS, INC.
7373 N.W. 35th STREET
MIAMI, FLORIDA 33122

AS SHOWN
SCALE
6/12/02
DATE
02-355
DRAWING No.
SHEET 2 OF 8

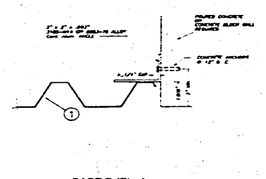


CASE A (Plan)
SCALE: 1/4" = 1"

CASE B (Plan)
SCALE: 1/4" = 1"



CASE C (Plan)
SCALE: 1/4" = 1"



CASE D (Plan)
SCALE: 1/4" = 1"

* ANGLE MAY BE NEGLECTED IF MAXIMUM BUILD-OUT IS 2" & PANEL PROJECTION "P" (PASSED OPENING) IS 2"

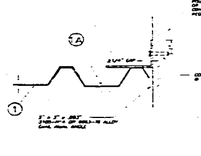
END CLOSURES DETAILS

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM PANEL LENGTH "L" SCHEDULE

MAXIMUM DESIGN PRESSURE RATING "P" (p.s.f.)	MAX. PANEL LENGTH "L" (ft.) (SEE SECTION 10)	MINIMUM SEPARATION TO GLASS	APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	PANEL REINFORCEMENT
+62.0, -73.0	8'-0" OR LESS	2 3/4"	1	N/A
+62.0, -66.0	8'-0" OR LESS	2 7/8"	2 & 3	N/A
+62.0, -66.0	5'-0" OR LESS	2 1/16"	4	N/A
+62.0, -66.0	>5'-0" TO 8'-11 1/2"	2 5/8"	4	N/A
+62.0, -66.0	7'-11 1/4" OR LESS	2 7/8"	5	N/A
+62.0, -66.0	8'-0" TO 11'-0"	2 5/8"	6	* BOLT
+62.0, -66.0	>8'-11 1/2" TO 11'-0"	3"	7	* BOLT
+62.0, -66.0	>8'-0" TO 11'-0"	3"	8	* BOLT
+62.0, -66.0	>8'-0" TO 11'-0"	5 3/8"	9	* BOLT
+62.0, -75.0	8'-0" OR LESS	2 3/8"	10	N/A
+62.0, -75.0	8'-0" OR LESS	2 7/8"	11	N/A

N/A = NOT APPLICABLE

* 1/4" ø-20 x 3/4" S. S. BOLTS W/ 7/8" x 3/32" WING NUT & STUD @ EVERY OVERLAP AT MIDLENGTH OF PANEL



CASE E (Plan)
SCALE: 1/4" = 1"

City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY

Review Type	Initials	Date
Building		
Zoning		

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0619.04
Expiration Date: 12/31/2005
By:
Miami-Dade Product Control Division

MIAMI-DADE COUNTY

TILLECO INC.
TILLEY TESTING & ENGINEERING COMPANY
FL-0000716
WALTER A. TILLEY JR., P.E.
FLORIDA LIC. # 44167

25 GAGE GALVANIZED STEEL STORM PANEL

SHIELD SHUTTERS, INC.
7373 N.W. 35th STREET
MIAMI, FLORIDA 33122

AS SHOWN
SCALE
6/12/02
DATE
02-355
DRAWING No.
SHEET 3 OF 8

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MAXIMUM DESIGN PRESSURE RATING "W" (p ≤ ±) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS INTO CONCRETE AND C.B.S. STRUCTURES *

E.D. = EDGE DISTANCE

MINIMUM DESIGN LOAD "W" (p ≤ ±)	MAXIMUM ANCHORS SPACING FOR E.D. = 3 1/2" **				APPLICABLE TO SECTIONS A OR B ANY COMBINATION OF THESE	MAXIMUM PANEL LENGTH "L" (FT.)
	SPACING		MAX. CALF-AIR			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+62.0, -66.0	12"	N/A	12"	N/A	1 (TOP)	6'-3" OR LESS
	12"	12"	12"	12"	2 (TOP)	
	12"	N/A	12"	N/A	2 (BOTTOM)	
	12"	12"	12"	12"	3 (TOP)	
	12"	N/A	12"	N/A	3 (BOTTOM)	
	N/A	N/A	12"	12"	4 (TOP/BOTTOM)	
	12"	12"	12"	12"	5 (TOP)	
	12"	N/A	12"	N/A	5 (BOTTOM)	
+62.0, -66.0	12"	8"	12"	12"	1 (TOP)	6'-3" TO 8'-0"
	12"	N/A	12"	N/A	1 (BOTTOM)	
	12"	8"	12"	12"	2 (TOP)	
	12"	N/A	12"	N/A	2 (BOTTOM)	
	12"	8"	12"	12"	3 (TOP)	
	12"	N/A	12"	N/A	3 (BOTTOM)	
	12"	N/A	12"	12"	4 (TOP/BOTTOM)	
	12"	N/A	12"	12"	5 (TOP)	
	N/A	N/A	12"	12"	5 (BOTTOM)	
	12"	8"	12"	6"	4 (TOP/BOTTOM)	
+62.0, -88.0	12"	N/A	12"	6"		

MINIMUM DESIGN LOAD "W" (p ≤ ±)	MAXIMUM ANCHORS SPACING FOR E.D. = 3 1/2" **				APPLICABLE TO SECTIONS A OR B ANY COMBINATION OF THESE	MAXIMUM PANEL LENGTH "L" (FT.)
	SPACING		MAX. CALF-AIR			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+62.0, -88.0	12"	N/A	12"	9 1/2"	6 (TOP)	8'-0" OR LESS
	12"	6 1/2"	12"	6"	6 (BOTTOM)	
	N/A	N/A	12"	6"	7 (TOP/BOTTOM)	
	N/A	N/A	8"	N/A	6 (TOP)	
	N/A	6 1/2"	12"	6"	8 (BOTTOM)	
	8"	N/A	8"	N/A	9 (TOP)	
	12"	N/A	9 1/2"	N/A	7 (BOTTOM)	
+62.0, -88.0	5 1/2"	N/A	8"	8"	10 (TOP)	
	8"	8"	8"	8"	10 (BOTTOM)	
	8"	8"	8"	N/A	11 (TOP)	
+62.0, -75.0	3"	N/A	3"	N/A	11 (BOTTOM)	
	8"	N/A				
	3"	N/A				

* SEE SHEET 7 & 8 OF 8 FOR ANCHORAGE TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME OR MASONRY.

** MAXIMUM ANCHOR SPACING ARE VALID FOR 3 1/2" EDGE DISTANCE FOR E.D. LESS THAN 3 1/2" ANCHOR SPACING TO BE MULTIPLYING SPACINGS SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS:

ACTUAL E.D.	FACTOR	
	MASONRY	WOOD, CALF-AIR
3"	.89	.75
2 1/2"	.71	.50
2"	.50	-

City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY
Review Type | Initials | Date
Building
Zoning

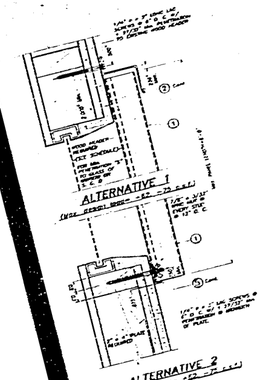
PRODUCT REVIEWED
As complying with the Florida Building Code
Approval No. 03-1219.06
Expiration Date 12/31/07
By
Miami-Dade County Product Control Division

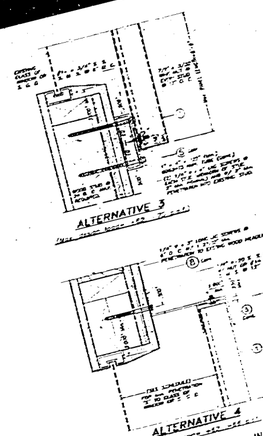
MIAMI - DADE COUNTY

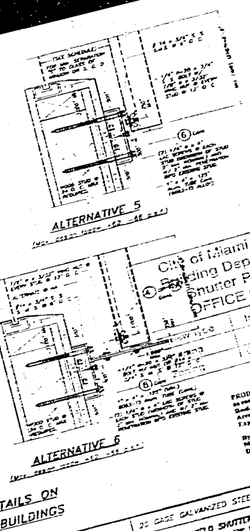
20 GAGE GALVANIZED STEEL STORM PANEL — SHEET 6 OF 8 — 03-1219.06

SHIELD SHUTTERS, INC.
7373 N. LINCOLN AVENUE
SKOKIE, ILLINOIS 60077

TILLECO INC.
CONSULTING & ENGINEERING CORPORATION
7373 N. LINCOLN AVENUE, SUITE 303
SKOKIE, ILLINOIS 60077-3309
PH. (847) 679-7179 F. E.







WALL MOUNTING INSTALLATION — SECTIONS A

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

NOTES:
1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH DESIGN LOADS AS SHOWN ON SHEET 1 TO BE DESIGNED FOR BY OTHERS.
2. MIN. 2" x 4" NOM. WOOD STUDS @ 24" O.C. MAX. SPACING OF ANCHORS.
3. MIN. 15 LB. FELT PAPER OVER PLYWOOD OR WOOD SHEATHING.
4. FOR ANCHORAGE TO CONCRETE OR MASONRY WALLS REFER TO ENGINEERING DRAWING No. 03-1219.06 SHEET 5 OF 8.

NOTE FOR CONSTRUCTION OF OPENING:
WALL MOUNTING SECTIONS CAN BE REMOVED IF ANY WAY TO SUIT ANY INSTALLATION

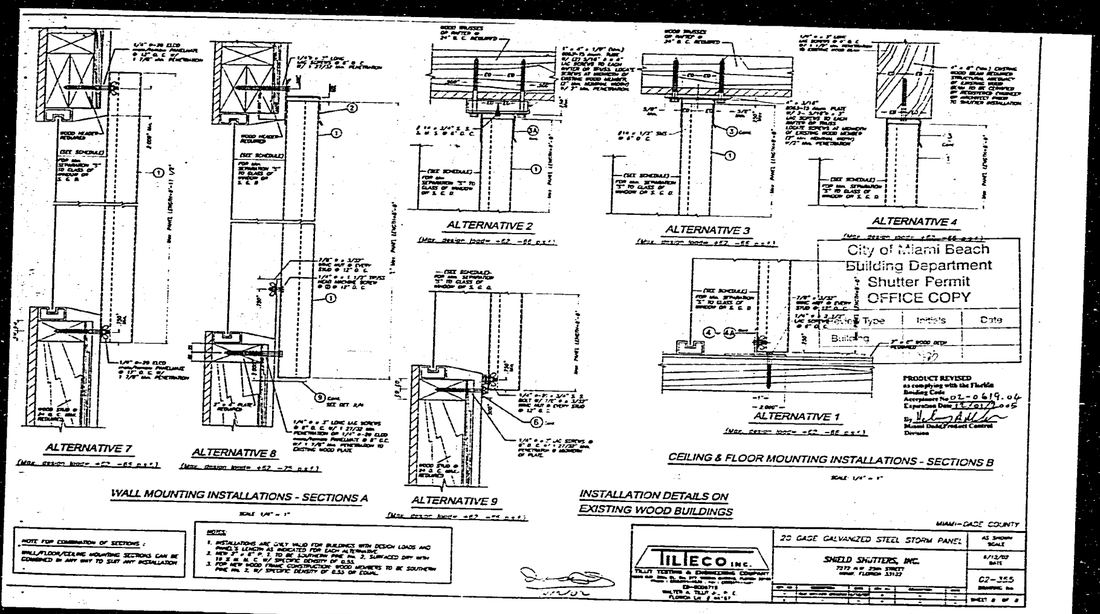
MIAMI - DADE COUNTY

20 GAGE GALVANIZED STEEL STORM PANEL — SHEET 7 OF 8 — 03-1219.06

SHIELD SHUTTERS, INC.
7373 N. LINCOLN AVENUE
SKOKIE, ILLINOIS 60077

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CONSULTING & ENGINEERING CORPORATION
7373 N. LINCOLN AVENUE, SUITE 303
SKOKIE, ILLINOIS 60077-3309
PH. (847) 679-7179 F. E.

30



City of Miami Beach
Building Department
Shutter Permit
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Permit Type	Issued	Date
Building		

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 01-0619.06
Expiration Date 11/30/07
By: [signature]
Miami-Dade Product Control Division

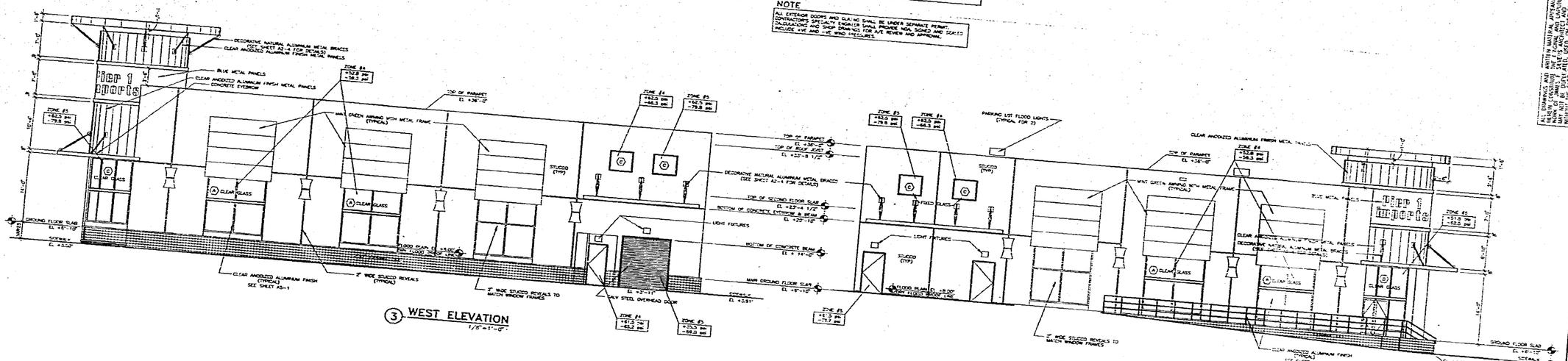
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DRY FLOOD PROOFING NOTES

1. ALL ELEVATIONS AT NGVD.
2. DRY FLOOD PROOFING SHALL BE AT +8'-0" NGVD.
3. AT ALL CMU WALLS BELOW +8'-0" NGVD, FILL ALL CELLS WITH CONCRETE AND PROVIDE 1-#5 BAR EACH CELL.
4. PROVIDE FLOOD BARRIERS, AS REQUIRED, TO ELEVATION +8'-0" NGVD.
5. ALL OPENINGS BELOW +11'-0" NGVD. SUBMIT UNDER SEPARATE PERMIT.
6. PROVIDE BENTONITE (OR APPROVED EQUAL) WATERPROOFING BELOW SLABS.

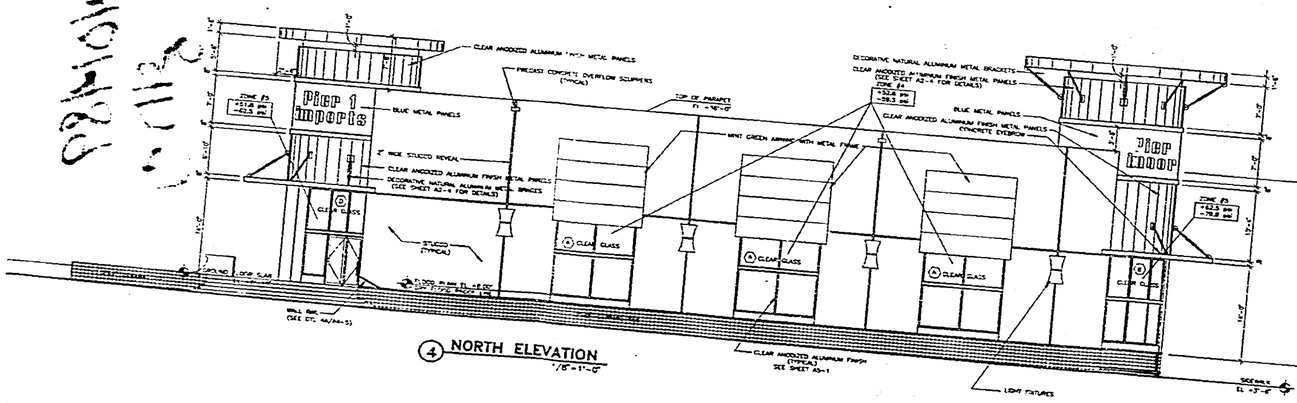
NOTE

ALL EXTERIOR DOORS AND GLAZING SHALL BE UNDER A SEPARATE PERMIT.
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD.
CALCULATIONS AS WELL AS SHOP DRAWINGS SHALL PROVIDE NOA, FL NUMBER AND SEALED INCLUDE +VE AND -VE WIND PRESSURES.

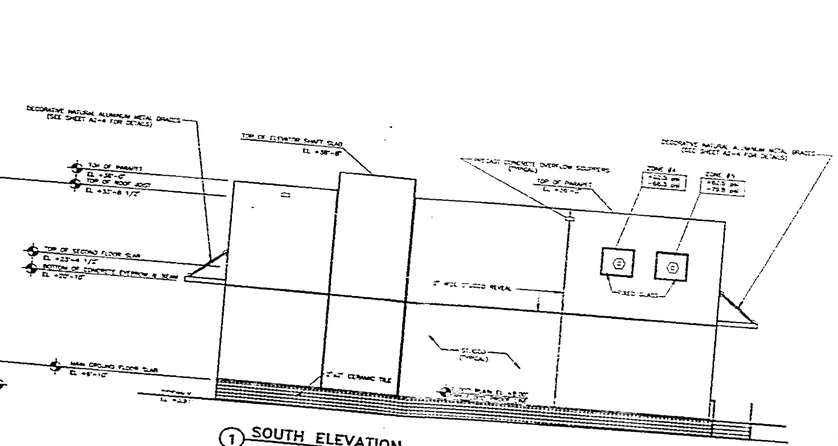


3 WEST ELEVATION
1/8"=1'-0"

2 EAST ELEVATION
1/8"=1'-0"



4 NORTH ELEVATION
1/8"=1'-0"



1 SOUTH ELEVATION
1/8"=1'-0"

PLANNING DEPARTMENT
SHUTTER APPROVAL
DESIGN REVIEW: _____ _____
CONDITIONS: INITIALS DATE
☐ : STORM PURPOSES ONLY
☐ : COLOR & STYLE TO MATCH EXISTING SHUTTERS
☐ OTHER: _____
ZONING: _____ _____
CONDITIONS: INITIALS DATE
☐ PLANS REVIEWED TO SCALE - NO BALCONY ENCLOSURE
☐ OTHER: _____

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL UNPUBLISHED WORK OF THE ARCHITECT AND THE SAME MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF JAMES F. SILVERS ARCHITECT (C) 2003

DATE: 10 DEC 03

JAMES F. SILVERS ARCHITECT
1100-5TH STREET MIAMI BEACH, FL.
ARCHITECT/DEVELOPER 305/672-0801

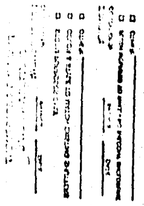
SILVERSQUARE
BUILDING #2 - PIER 1 IMPORTS
1130 5th STREET MIAMI BEACH, FLORIDA

A3-1

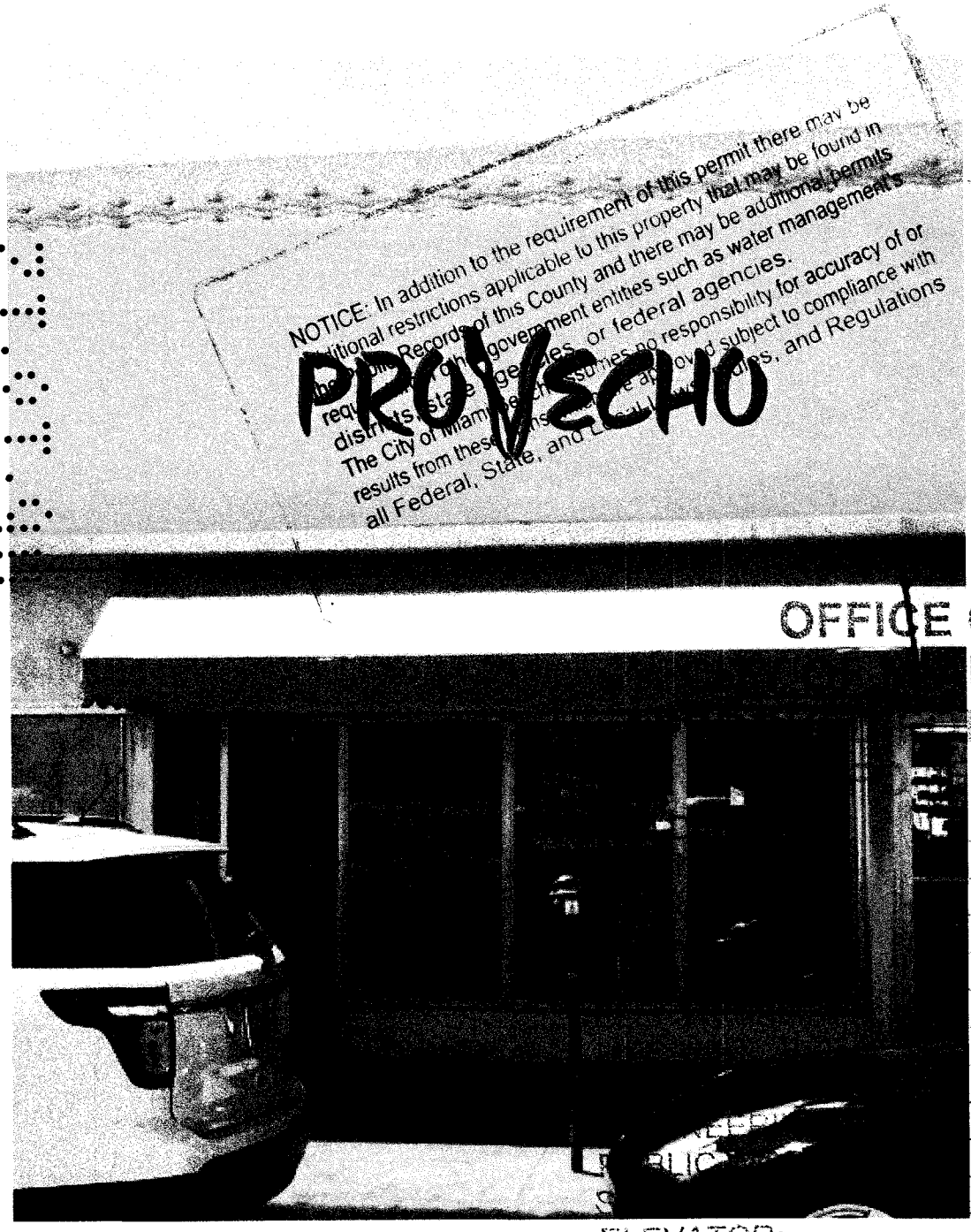
98-10-1105
10-11-98
A11

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B0401489
1100 5th S



30



19.8' SQF
20' SQF MAX

16'

PROVECHO

1120 15TH STREET

TWIN CITY REALTY

NORTH ELEVATION

SUNSHINE ELECTRICAL CONTRACTOR
1300 SW 85TH CT
MIAMI, FL 33144
305.265.4958

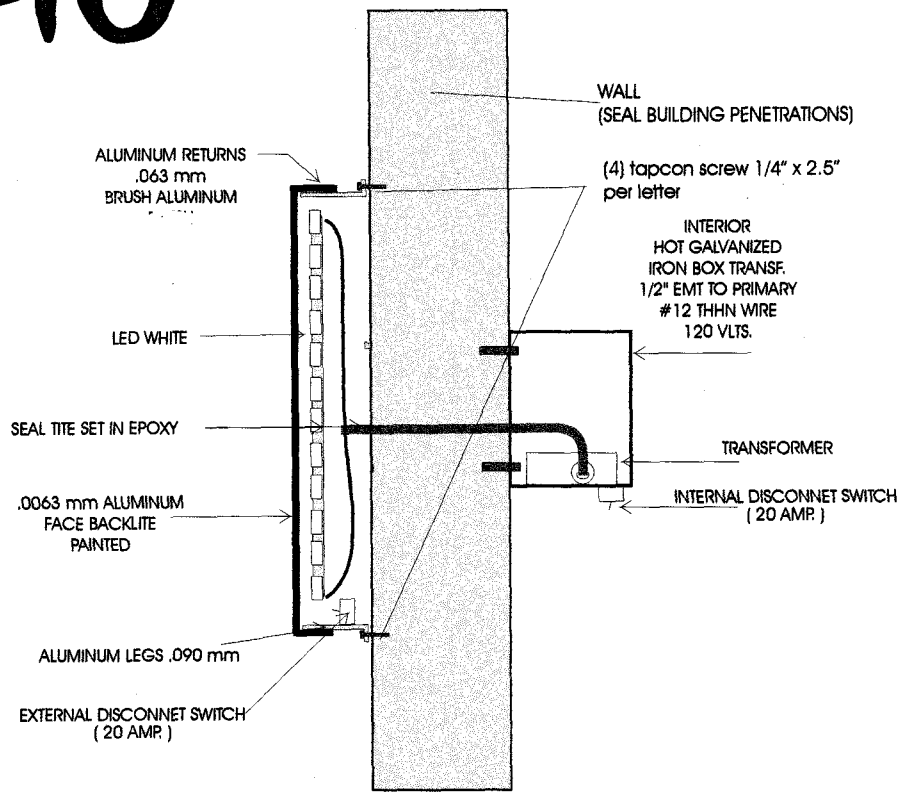
PROVECHO

8'-6" X 2'-4"

PANEL A
250 RATING
BREAKER # 3
TOTAL LOAD: 150 AMP

ELECTRICAL SPECS
1-120 VAC POWER SUPPLY
1-20 AMP CIRCUIT
1-20 AMP INTERNAL DISCONNET SWITCH
TOTAL LOAD:1 AMP
GROUNDING/BOUNDING AS PER NEC 250
PRIMARY WIRE # 12 THHN/THWN
FACE JUMP LETTER BY LETTER

MOUNTING DETAIL
REVERSE CHANNEL LETTERS



THE SIGN AS PER ASCE 7-05
AND 2104 F.B.C. WIND LOADT
175 MPH EXPOSURE "C"
IMPORTANCE FACTOR 1.0

ELECTRICAL DATA

- 20 AMPS CIRCUIT # 12-14
1- T101 TIMER
DISCONNECT SWITCH AT SIGN.

ALL ELECTRICAL COMPONENTS ARE U.L. LISTED
SIGN GROUNDED ACCORDING TO NEC CODE 250
ELECTRIC SIGN COMPLIES TO U.L. 2161

QTY	SOURCE	TYPE	AMPS	
1	Transformer		1.0	1.0
			TOTAL	1.0

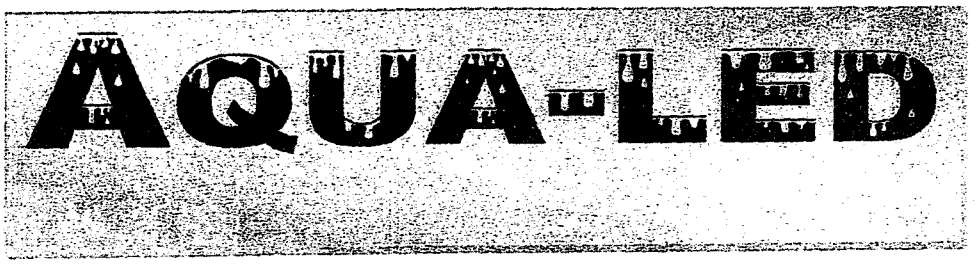
FASTENER TABLE

MOUNTING HARDWARE	BUILDING CONSTRUCTION		
	MASONRY	WOOD	METAL
1/4" BOLTS THROUGH WALL	X	X	X
1/4" LAG BOLTS W/ LEAD SHIELDS	X		
1/4" LAG BOLTS	HALLOW BLOCK ONLY	X	
1/4" TOGGLE BOLTS		X	X
1/4" SLEEVE ANCHORS	X		
1/4"x 2.5" TAPCON SCREWS	X		

PROVECHO
1120 15TH STREET
TWIN CITY REALTY
NORTH ELEVATION

SUNSHINE ELECTRICAL CONTRACTOR
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MIAMI, FL 33144
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Transco takes LED lighting to a new level !



All the features you could ask for in a LED module

- **Superior Color Temperature** – Our whites are outstanding behind 7328 or 2447 plastic. Available in 5800°K (Sign White), 4500°K (Warm White) and 7000°K (Day White).
- **Tri-LED** - Contains three die inside the LED chip. This gives the product its brightness and color rendition. (cheaper LEDs have single or dual)
- **Competitively Priced** - A rare combination of brightness and quality at an economical price.
- **Rugged Construction** - A plus for shop conditions or on the service truck. Solder-free connections for maximum strain relief.
- **Low Power Consumption** - Only 0.60 watts per module; 3 modules per foot. Each 60 watt power supply can run up to 33 ft./99 modules.
- **Rated IP65** - Rated for a product that can withstand light water contact in signs. Not designed for full immersion in water or water applied under pressure.
- **Available in the Following Colors** - 3 Whites (W5800, W4500, W7000), Red, Blue, Green and Amber.

TRANSCO
Powering the World is Our Profession

AQUA-LED SM

Transco Inc. (800)-869-6366 Transco@transco-usa.com www.transco-usa.com

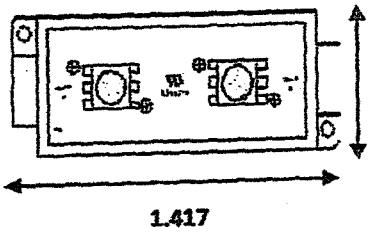
Rev 8 4-14-11

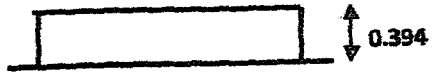
AQUA-LED℠

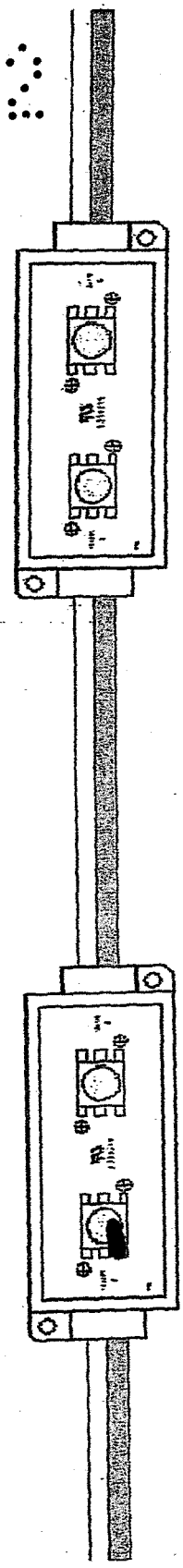
SERIES

Color	White (3) Amber
Quantity of LED Lamps	2 SMD Ultra Bright Wide Viewing Angle (Type B)
Power Consumption	0.60 Watts/Module; 3 Modules/Foot
Working Voltage	12 Volts DC
Working Current	25mA (max working current)
Viewing Angle	120 Degrees
Lumens per Foot	Whites (102), Red (36), Green (36), Blue (18)
Ambient Temperature	-20 °C - +60 °C
Storage Temperature	-40 °C - +60 °C
Waterproof Rank	IP65
Module Dimension	1.417 in. L x 0.629 in. W x 0.394 in. H
Module Spacing	2.480 in.
Package	45 Modules (15ft.)/Bag; 2 Bags/Box
UL File Data	E313209* Class 2 LED Module - Suitable for use in Dry, Damp and Wet Locations
Warranty	3 Years

* Recently added; Also refer to E314210







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W. Columbia, SC 29171
(800) 869-6366
transco@transco-usa.com
www.transco-usa.com

NEW SIGN

08.3.12



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MIAMI, FL 33144
305.265.4958

PROVECHO
1120 15TH STREET
TWIN CITY REALTY
NORTH ELEVATION

12-04168

1100 15th St.

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

BUILDING:
ZONING:
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL: AV 6/18/12
ELEVATOR:

TRI-COUNTY ENGINEERING
& INSPECTIONS, INC.
www.tricountyinspection.com



Replacement Cost Estimate

Prepared For:

ARRP Miami LLC

Property Estimated:

1100 15th St

Miami Beach, FL 33139

Inspection Date:

01/14/2014

Report Date

01/15/2014

Prepared by:

TRI-COUNTY ENGINEERING & INSPECTIONS, INC.
1007 N Federal Hwy
Suite 224
Fort Lauderdale, FL 33304
954/ 767-5955 O
954/603-8832 F
info@tricountyinspection.com

Tri County Engineering & Inspections, Inc
www.tricountyinspection.com

954 767-5955 Broward
561 880-7930 Palm Beach
305 747-9445 Dade

Prepared For:		**Inspection Date:**	01/14/2014
Insured:	ARRP Miami LLC	**Person Interviewed:**	Owner
Address:	1100 15th St	**Inspected By:**	WSP
City, State, Zip:	Miami Beach, FL 33139	**Ordered By:**	
Policy Number:		**Agency:**	

REPLACEMENT COST SUMMARY:

	SQ.FT.	X	$/SQ.FT.	=	TOTAL
Structure 1	6,722	X	$89.50	=	$601,596.00
Structure 2	n/a	X	n/a	=	n/a
Structure 3	n/a	X	n/a	=	n/a
Structure 4	n/a	X	n/a	=	n/a
Structure 5	n/a	X	n/a	=	n/a
Structure 6	n/a	X	n/a	=	n/a
Total	6,722				$601,596.00

UNDERWRITING SUMMARY

ADDITIONAL STRUCTURES

Number of Additional Structures:	n/a
Comb. Value of Add. Structures:	n/a
% of Appraised Coverage "A":	n/a

BUILDING INFORMATION

Year Built:	1945
Construction Type:	ISO 2 JM
Exterior Wall Cover:	CBS
Roof Cover:	Built up
Roof Cover Age:	10
Roof Cover Condition:	Good
Building Condition:	Good

ALARM SYSTEM

Fire Alarm/Monitoring:	No
Burglar Alarm/Monitoring:	No
Monitoring Company:	N/A
Monitoring Company Phone #:	N/A
Monitoring Company Verification:	No
Residential Sprinkler System:	No
Additional Alarm Components	Fire Extinguishers

FIRE PROTECTION

Protection Class at Risk:	01
Fire Protection District:	Miami Beach, FL 33139
Distance to Fire Station:	2.125 miles
Paid or Volunteer:	Paid
Estimated Response Time:	5 min
Distance to Fire Hydrant:	50 yards
Available Fire Protection:	

REPLACEMENT COST

Appraised Replacement Cost:	$601,596.00
Depreciated Cost:	-$312,830.00
Replacement Cost w/ Depreciation:	$288,766.00

OCCUPANCY & SECURITY

Occupancy Type:	Stores or shops
Fencing:	Yes
External Security:	No
Gated Community:	Yes
Security Patrolled:	No

NATURAL HAZARDS

Brush/Wildfire:	No
Earthquake:	No
Earth Movement:	No
Slope:	Flat
Hurricane:	Yes

ADDITIONAL EXPOSURES

Employees:	No
Dogs:	No
Other Pets/Livestock:	No
Home Business Exposure:	n/a
Wood Stoves	No
Other Exposures:	n/a

ADDITIONAL COMMENTS

Tri County Engineering
& Inspections, Inc
www.tricountyinspection.com

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305 747-9445 Dade

UNDERWRITING NARRATIVE REPORT

REPLACEMENT COST: The appraised replacement cost of $89.50 is in line with current building cost for this type of construction in this area. Based on independent pricing research and local knowledge of this area. The structure is average in replacement cost. The structure is a ISO 2 JM , CBS, gflat/built up, 1 level retail building .

ADDITIONAL STRUCTURES:

Structures:	SQ.FT.		$/SQ.FT.		Estimated Cost:
n/a		X		=	
n/a		X		=	
n/a		X		=	

Number of Additional Structures
Combined Total n/a
Percentage of Appraised Coverage "A" Amount

Additional Structures Descriptions, Usage & Hazards: n/a

OVERALL BUILDING CONDITION:

Building Condition: Good

Roof Cover: Built up

Plumbing, Electrical, HVAC Systems Updates: Plumbing, Electrical & HVAC appears to be in working condition.

Home Under Renovation or Remodeling: No construction was noted at the time of inspection

ALARM SYSTEM:

Fire Alarm Components, Coverage & Locations: No Standard Fire alarm in building other then smoke detectors

Residential Sprinkler System: No Sprinkler system

FIRE PROTECTION:

Summary: Standard fire extinguishers on property

Available Water Supply:
City

Access:

OCCUPANCY:

Type & Extent: Store or shop

Risk Factor:

Pool: No Pool

Dogs or other live stock: No

Any other risks: n/a

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www.tricountyinspection.com

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561 880-7930 Palm Beach
305 747-9445 Dade

HURRICANE SUPPLEMENT

Prepared For:		**Inspection Date:**	01/14/2014
Insured:	ARRP Miami LLC	**Person Interviewed:**	Owner
Address:	1100 15th St	**Inspected By:**	WSP
City, State, Zip:	Miami Beach, FL 33139	**Ordered By:**	
Policy Number:		**Agency:**	

Risk Location

Located in Dade County

Building Construction

Year Built:	1945
Construction Type:	ISO 2 JM
Number of Stories:	1
Basement Type:	n/a

Was the building designed to withstand a category 4 or 5 hurricane? Yes

Occupancy

Occupancy:	Store or shop
Occupied During Hurricane Season?	Yes
Occupied By:	Store or shop
Occupied By:	n/a
Is there a functioning backup generator?	No

Roof Details

Roof Age:	10
Roof Style:	Flat
Roof Cover:	Built up

Glass Openings

Are all glass openings protected with shutters and/or impact resistant glass?	No
Are skylights present?	No
Are there glass openings in the garage doors?	n/a
Do garage doors have hurricane bracing?	n/a

Exterior Exposures

Are exterior statues, fountains, sculptures present?	No
Are items secured to the ground?	n/a
Is there a boat or a yacht?	No

Commercial Building Valuation Report

Policy : ESTIMATE-439042 1/30/2014

INSURED ARRP Miami LLC
1100 15th St
Miami Beach, FL 33139

Effective Date:
Expiration Date:
Cost as of: 12/2013

BUILDING ARRP Miami LLC
1100 15th St
Miami Beach, FL 33139

Location Adjustments

Climatic Region: 1 - Warm
High Wind Region: 2 - Moderate Damage
Seismic Zone: 0 - No Damage

SECTION 1

SUPERSTRUCTURE

Occupancy: 100% Store or Shop, General
Story Height: 16 ft.
Construction Type: 100% Joisted Masonry (ISO 2)
Number of Stories: 1
Gross Floor Area: 6,722 sq. ft.
Irregular Adjustment: None
Construction Quality: 2 - Average

Adjustments

Depreciation: 48%
Effective Age: 40 years
Condition: Good
Hillside Construction:
Degree of Slope: Level
Site Accessibility: Excellent
Site Position: Unknown
Soil Condition: Excellent

Fees

Architect Fees: 7% is included
Profit and Overhead: 20% is included

SUMMARY OF COSTS	Reconstruction	Exclusion
SUPERSTRUCTURE		
Site Preparation		1,318
Foundations	33,675	19,777
Foundation Walls, Interior Foundations, Slab On Ground		
Exterior	230,394	
Framing, Exterior Wall, Structural Floor, Roof		
Interior	107,888	
Floor Finish, Ceiling Finish, Partitions		
Mechanicals	195,789	3,315

MS/B costs include labor and material, normal profit and overhead as of date of report. Costs represent general estimates which are not to be considered a detailed quantity survey. These costs include generalities and assumptions that are common to the types of structures represented in the software.

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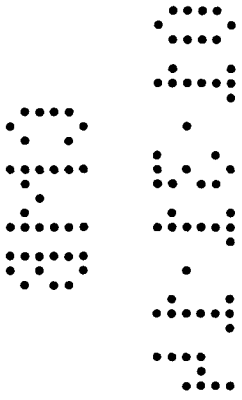
Commercial Building Valuation Report

Policy : ESTIMATE-439042 1/30/2014

Heating, Cooling, Fire Protection, Plumbing, Electrical, Elevators			
Built-ins		33,851	
SUBSTRUCTURE			
TOTAL RC SECTION 1		**$601,596**	**$24,410**
TOTAL ACV	Depreciated Cost (52%) Age & Condition-69 years old & Good	**$312,830**	**$12,693**

TOTAL RC BUILDING	**ARRP Miami LLC**	**$601,596**	**$24,410**
TOTAL ACV		**$312,830**	**$12,693**

	Reconstruction	sq. ft.	$/sq. ft.	Depreciated
VALUATION GRAND TOTAL	**$601,596**	6,722	**$89.50**	**$312,830**



MS/B costs include labor and material, normal profit and overhead as of date of report. Costs represent general estimates which are not to be considered a detailed quantity survey. These costs include generalities and assumptions that are common to the types of structures represented in the software.

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Commercial Building Valuation Report

Policy : ESTIMATE-439042 1/30/2014

INSURED ARRP Miami LLC
1100 15th St
Miami Beach, FL 33139

Effective Date:
Expiration Date
Cost as of: 12/2013

BUILDING: SUPERSTRUCTURE	Reconstruction	sq. ft.	$/sq. ft.	Depreciated
Section 1: 100% Store or Shop, General	$601,596	6,722	$89.50	$312,830

BUILDING: SUBSTRUCTURE	Reconstruction	sq. ft.	$/sq. ft.	Depreciated
SECTION 1:	$0	0	$0.00	$0

Section Totals	Reconstruction	sq. ft.	$/sq. ft.	Depreciated
SECTION 1: 100% Store or Shop, General	$601,596	6,722	$89.50	$312,830
BUILDING TOTAL, ARRP Miami LLC	**$601,596**	**6,722**	**$89.50**	**$312,830**
BUILDING INSURANCE SUMMARY				
100% Co-insurance Requirement	**$601,596**			**$312,830**
VALUATION GRAND TOTAL	**$601,596**	**6,722**	**$89.50**	**$312,830**

MS/B costs include labor and material, normal profit and overhead as of date of report. Costs represent general estimates which are not to be considered a detailed quantity survey. These costs include generalities and assumptions that are common to the types of structures represented in the software.

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City of Miami Beach

Minimum Requirements for Non-licensed Commercial Residential and Commercial Nonresidential Inspections/Valuations

Certification

Name of the firm or key personnel completing the inspection/valuation:

Tri-County Engineering & Inspections, Inc

I, W Scott Pluto, certify that I, or the entity listed above, have/has at least three years experience in the field of commercial property inspections, commercial risk assessment, and commercial property replacement cost evaluation.

Date 01/14/2014 Position Senior Appraiser/Inspector

License # (if applicable): CGC1507049

Property

Property Owner's Name ARRP Miami LLC

Property Address 1100 15th St

City

State, Zip Miami Beach, FL 33139

Valuation Requirements

- Inspections must include an estimate of the replacement cost for every structure to be covered.
- The method used to determine the cost of rebuilding the structures must be the current version of the calculation system. The system and version must be clearly indicated on the valuation documentation.
- Inspections must also include clear photographs of any building and ancillary structure the applicant/ policyholder wishes to insure:
  - Main structure
  - Pools
  - Docks, etc.
- If multiple buildings are identical, or nearly so, representative photographs may be used.
- Photographs of any existing damage must also be included.

Valuation Information

- Year of construction 1945
- Total number of units 6
- Number of owner-occupied units 0
- Number of units rented on a long-term lease of 12 months or more 6
- Number of units rented on a daily, weekly, or monthly basis 0
- Number of units with time share occupancy 0
- What is the distance to tidal water? 0.5 miles +/-

To be completed for each building

Identify the building being inspected 1100 15th St

Total square footage 6,722

What is the overall condition of the structure? Excellent ○ Good ◉ Fair ○ Poor ○

Give a detailed description of the following characteristics:

- Year of construction 1945
- Number of stories 1
- Size of units Varies
- Construction analysis of the:
  - Floors Concrete slab
  - Walls CBS
  - Roof Wood rafters with a wood deck
- Common area floor coverings Concrete
- Foundation type Slab
- Roof type Built up
- Roof shape Flat
- Any customized features and materials (e.g. custom countertops, marble tile, etc)
  n/a
- Diagram of square footage on a separate page

Give a detailed description and condition of the following items:

- Fire places No Fireplaces were note
- Porches No Porches was noted
- Decks No Decks were noted
- Balconies No Balconies were noted

List the type and condition of all ancillary structures on the property, including buildings, pools, etc.
Store or shop

Are there any business exposures?
■ Yes No ☐
If Yes, describe the exposure and square footage of the area. Pizza store

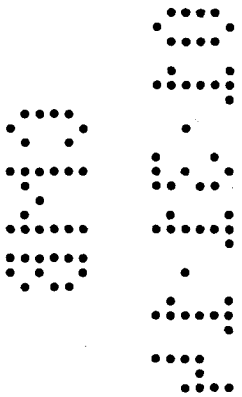
Are there any cooking exposures beyond what would normally be expected in a residential unit?

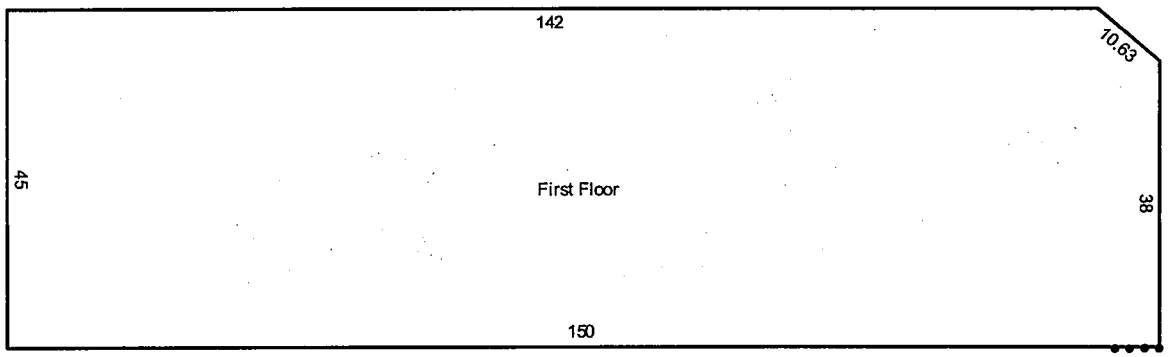
■ Yes No ☐

If Yes, describe the exposure.

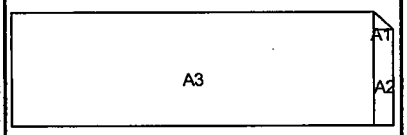
Pizza store

Describe any other property or liability hazards n/a





Calculation



Summary

Living Area	
First Floor	6722.0
Total Living Area	6722.0

Detail

Living Area	
First Floor	6722.0
A1: 1/2 * 8.0 * 7.0 = 28.0	
A2: 8.0 X 38.0 = 304.0	
A3: 45.0 X 142.0 = 6390.0	
Total Living Area	6722.0

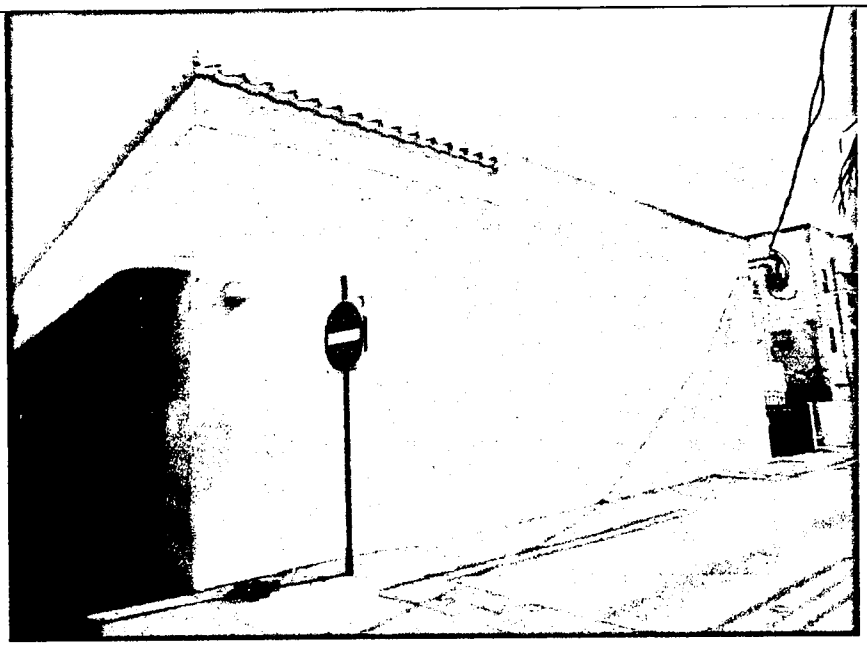
Grand Total

Living Area	6722.0
Garage Area	
Porch Area	
Patio/Deck Area	
Misc. Area	
Basement Area	
Storage Area	
Lot Area	


1100

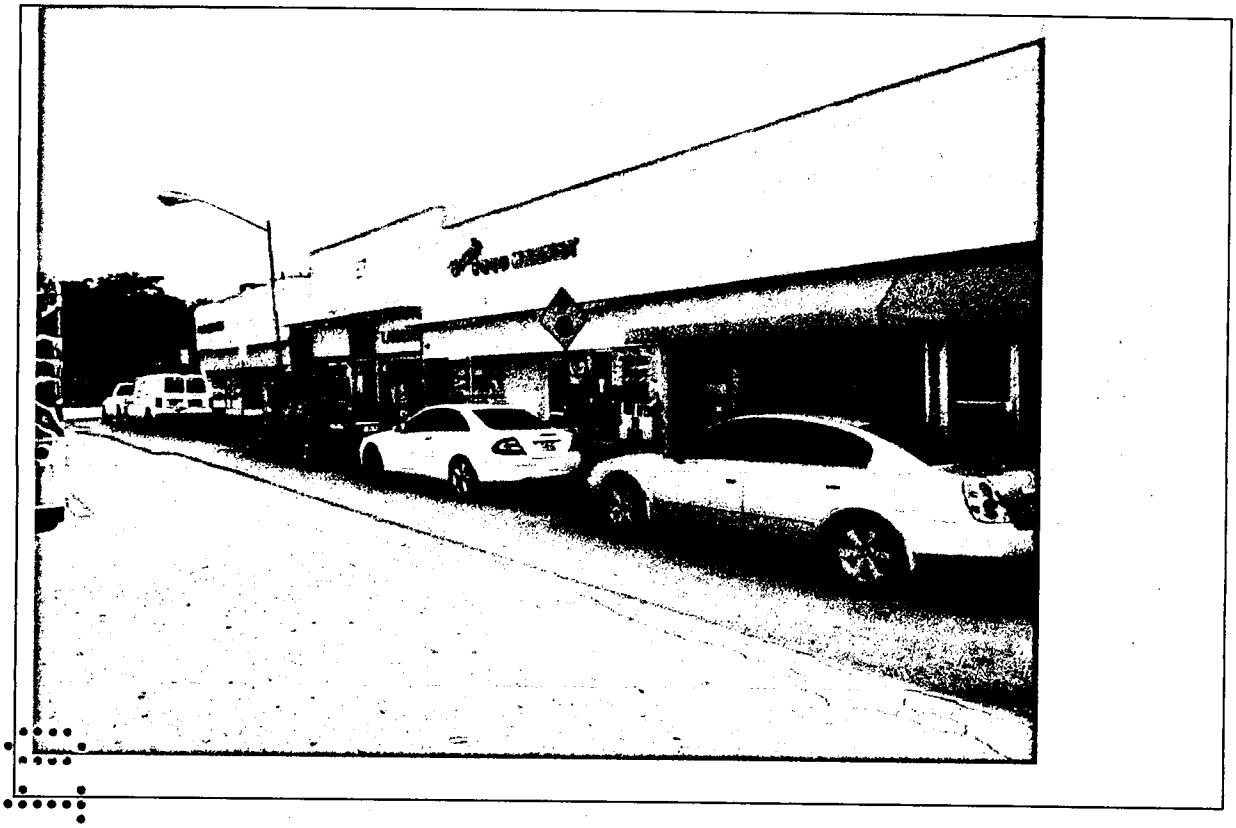


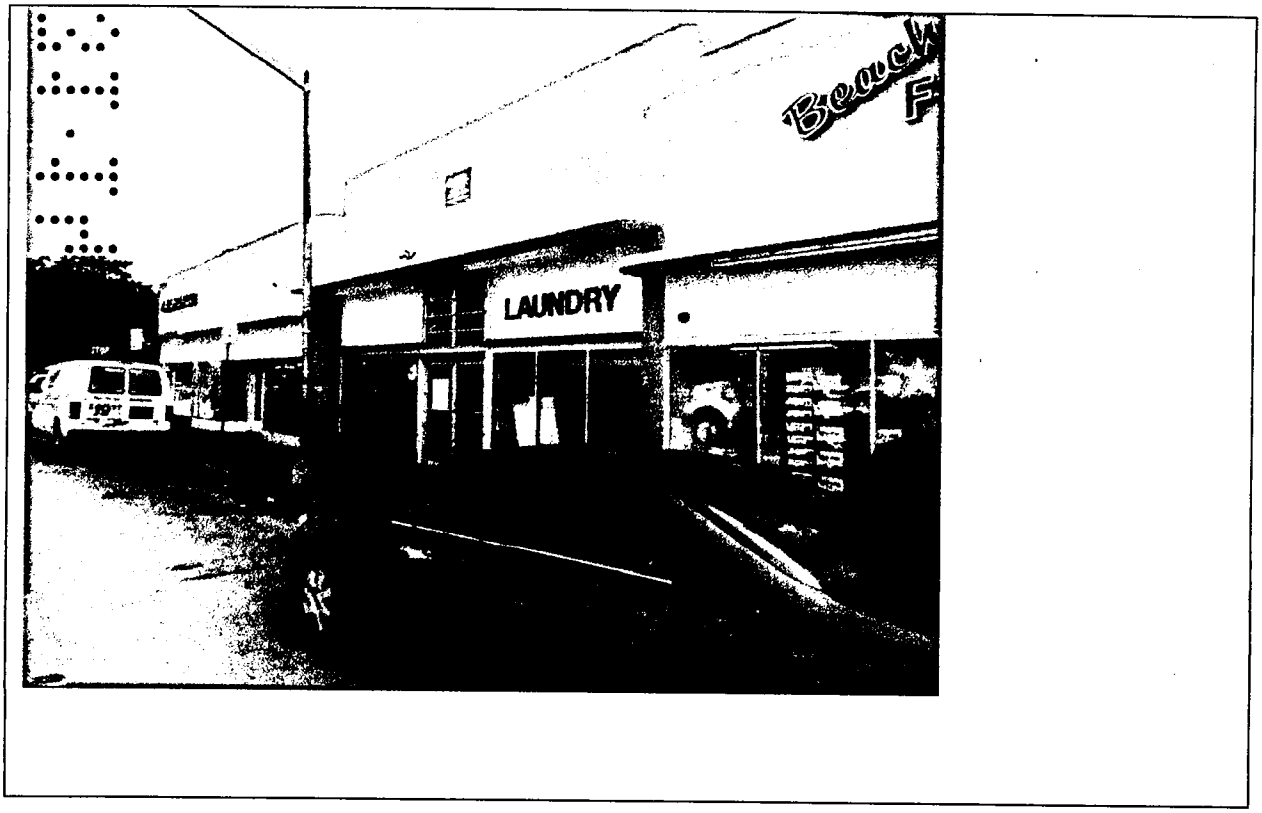
TRI-COUNTY ENGINEERING & INSPECTIONS





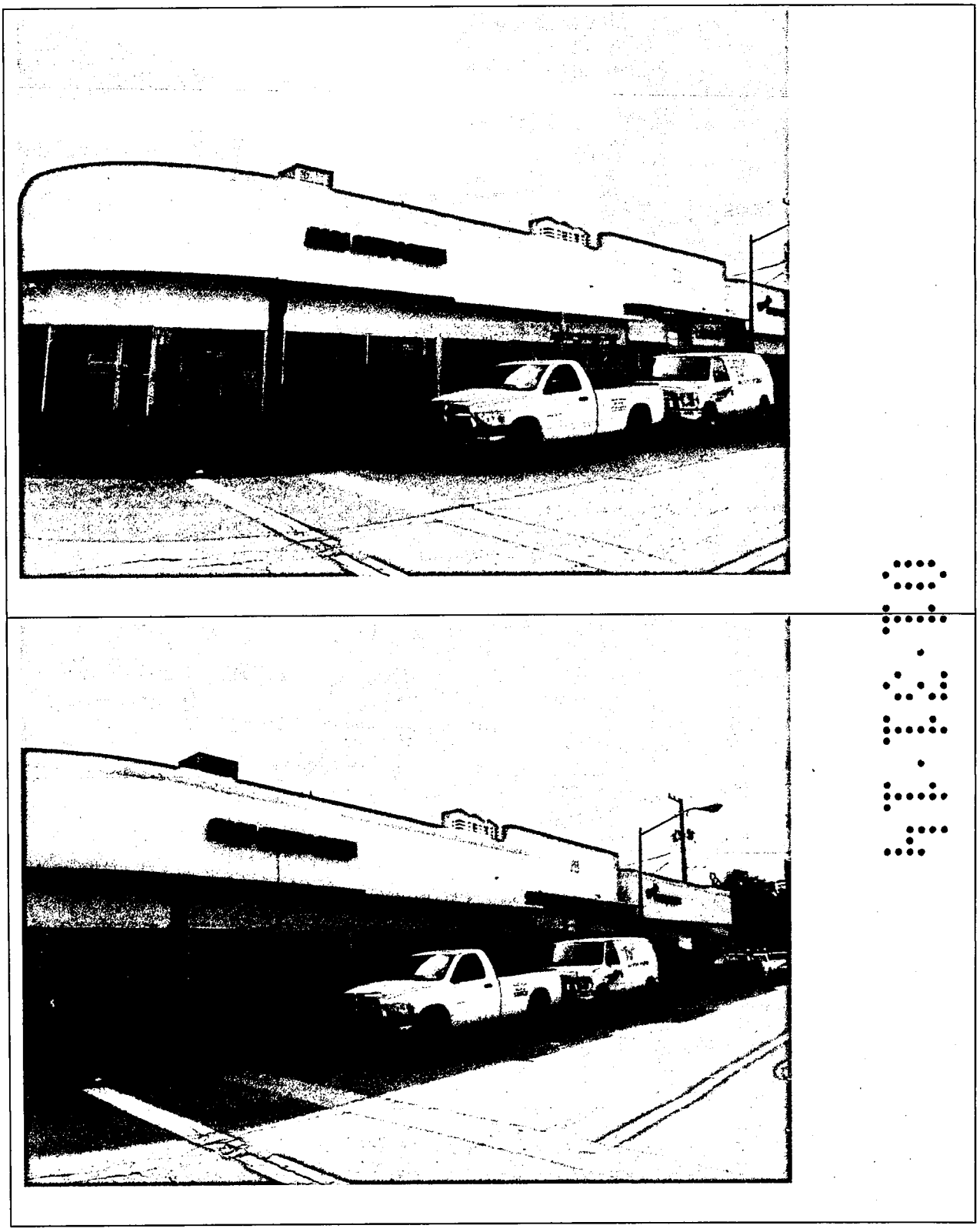
TRI-COUNTY ENGINEERING & INSPECTIONS





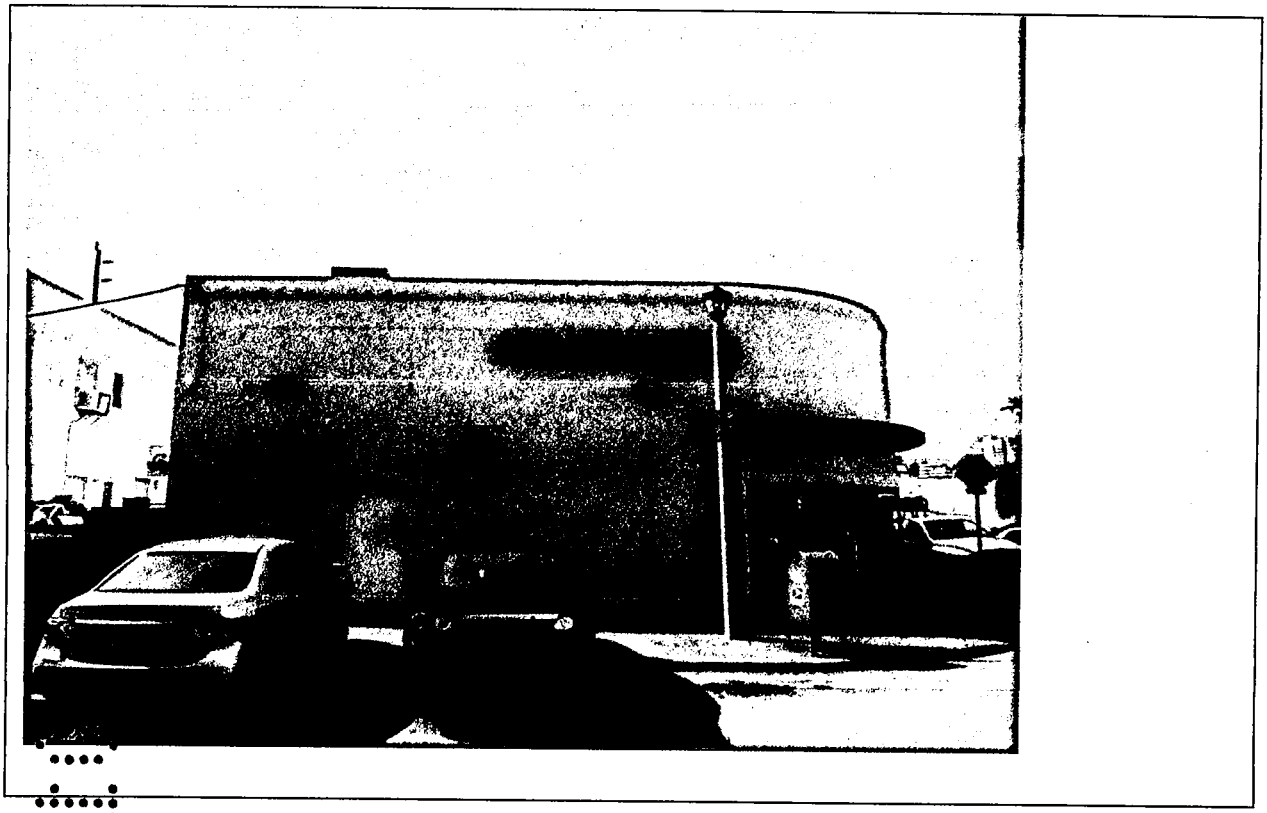
TRI-COUNTY ENGINEERING & INSPECTIONS, INC
305/747-9445 954/767-5955 561/880-7930

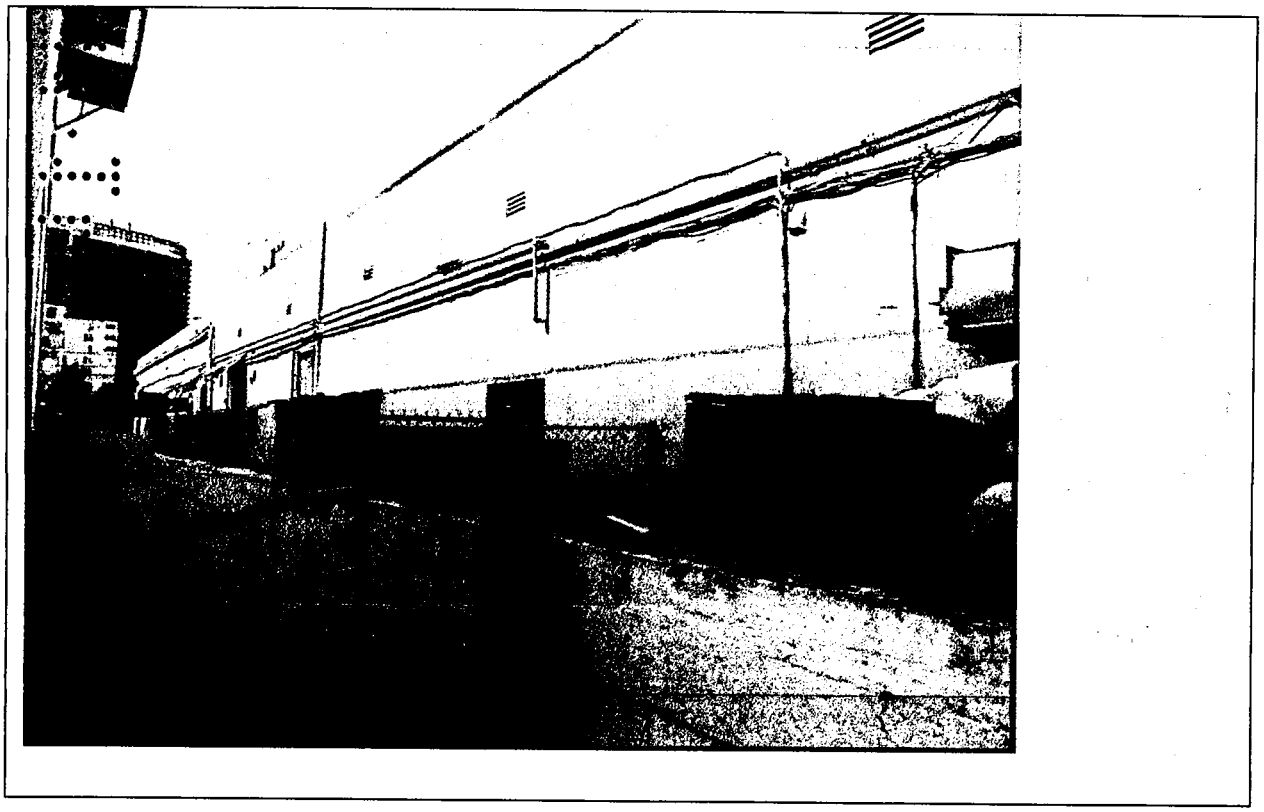
TRI-COUNTY ENGINEERING & INSPECTIONS



TRI-COUNTY ENGINEERING & INSPECTIONS, INC
305/747-9445 954/767-5955 561/880-7930

TRI-COUNTY ENGINEERING & INSPECTIONS





TRI-COUNTY ENGINEERING & INSPECTIONS, INC
305/747-9445 954/767-5955 561/880-7930

GENERAL UNDERLYING ASSUMPTIONS

Legal Matters:

- The legal description used in this report is assumed to be correct, but it may not necessarily have been confirmed by survey. No responsibility is assumed in connection with a surveyor for encroachments or overlapping or other discrepancies that might be revealed thereby. Any sketches included in the report are only for the purpose of aiding the reader in visualizing the property and are not necessarily a result of a survey.
- No responsibility is assumed for an opinion of legal nature, such as to ownership of the property or condition of title.
- The inspectors assume the title to the property to be marketable; that, unless stated to the contrary, the property is appraised as an unencumbered fee, which is not used in violation of acceptable ordinances, statutes or other governmental regulations.

Unapparent Conditions:

- The inspectors assume that there are no hidden or unapparent conditions of the property, subsoil or structures which would render it more or less valuable than otherwise comparable property. The inspectors are not experts in determining the presence or absence of hazardous substances, defined as all hazardous or toxic materials, waste, pollutants or contaminants (including, but not limited to, asbestos, PCB, UFFl, or other raw materials or chemicals) used in construction or otherwise present on the property.
- The inspectors assume no responsibility for the studies or analysis, which would be required to conclude the presence or absence of such substances or for loss as a result of the presence of such substances. The client is urged to retain an expert in this field, if desired. The value estimate is based on the assumption that the subject property is not so affected.

Information and Data:

- Information, estimates and other data furnished to the inspectors and contained in the report, were obtained from sources considered reliable and believed to be true and correct. However, no responsibility for accuracy of such items furnished the inspectors can be assumed by the inspectors.
- All mortgages, liens, encumbrances, and servitude have been disregarded unless so specified within the report. The subject property is estimated as though under responsible ownership and competent management.

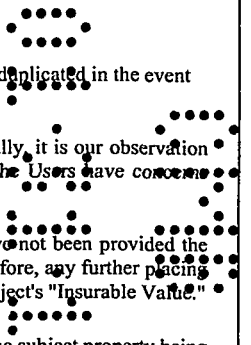
Zoning and Licenses:

- It is assumed that all applicable zoning and use regulations and restrictions have been complied with, unless a nonconforming use has been stated, defined and considered in the valuation.
- It is assumed that the subject property complies with all applicable federal, state and local environmental regulations and laws unless noncompliance is stated, defined and considered in the valuation.
- It is assumed that the information relating to the location of or existence of public utilities that has been obtained through a verbal inquiry from the appropriate utility authority, or has been ascertained from visual evidence is correct. No warranty has been made regarding the exact location or capacities of public utility systems.
- It is assumed that all licenses, consents or other legislative or administrative authority from local, state or national governmental or private entity or organization have been, or can be, obtained or renewed for any use on which the value estimate contained in the valuation report is based.

ASSUMPTIONS AND LIMITED CONDITIONS FOR REPLACEMENT COSTS

Insurable Value:

- Insurable value typically refers to the building improvement reproduction costs less the costs of those items which do not need to be duplicated in the event of destruction. In addition to all site improvements, those items include foundation, certain indirect costs, etc.



- The Users of this report are cautioned, however, that the inspectors are not Insurance Inspectors or Casualty Underwriters. Typically, it is our observation that lenders require Insurance in the amount of the Insurable Value or Loan Amount, which eve is higher. We suggest that if the Users have concerns regarding the Insurable Value estimated herein, an Insurance Adjuster or other expert be consulted

- We have not been provided a copy of the insurance policy, and have no knowledge of its inclusion or exclusions. Further, we have not been provided the insurance agent's identity of information regarding their policies in placing coverage, and have had no discussions with them. Therefore, any further placing of coverage will be without our input. We therefore assume no responsibility for the amount of insurance coverage placed, or the subject's "Insurable Value."

- The inspectors assume no liability for the Insurable Value estimate provided and does not guarantee that any estimate will result in .he subject property being fully insured for any possible loss that may be sustained. The inspector recommends that an insurance professional be consulted, in addition to this estimate of Insurable Value. The Insurable Value estimate may not be a reliable indication of replacement or reproduction cost for any date other than the effective date of this report due to changing costs of labor and materials and due to changing building codes and governmental regulations and requirements.

PURPOSE OF THE REPORT:

- The purpose of this report is to provide the inspector's best estimate for a replacement cost estimate for the subject real property as of the date of inspection above. See Assumptions And Limiting Conditions Above.

REPLACMENT COST

- Replacement cost is provided, not insurable value, since the inspector does not have a copy of the subject's insurance policy. Each policy is different, and has specific inclusions and exclusions of various items, Secondly the inspectors are not a professional construction cost estimator, and must rely on currently available published cost estimated sources such as the Marshall and Swift for data. Lastly, replacement costs for the subject property may be significantly higher after natural disasters.

Intended Use of Report:

- The intended use of this report is to assist in determining a replacement cost for the subject.

Estimate Development and Reporting Process

In preparing this report, the inspector did:

1. Inspect the exterior of the improvements.
2. Researched the cost data, which could be applied to the subject building.
3. Applied the cost data to arrive at the estimated replacement cost.

Description of Real Estate Estimated:

- The inspector inspected the Subject property of this report which is improved with a structure. An exterior inspection was made of the improvements. The inspector took measurements at the time of inspection. Construction quality was noted by observation. The inspector has relied on measurements taken during the inspection and compared with those figures found in the tax roll. We utilized the RSMeans e2value to determine the replacement cost.

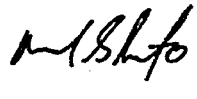
Legal

- This insurance inspection report is based on the data collected on the inspection date. No consideration has been given to material premiums and additional items needed to conform to building codes, ordinances; or demolition in connection with reconstruction or the removal of destroyed risk items. The **values of the land and site improvements have not** been included. No responsibility is assumed for legal matters, questions of survey, opinions of title, soil or sub-soil conditions, engineering or other technical matters. **This report is NOT a Real Estate Appraisal. Insurance report only**
- It is the responsibility of the insured to obtain a legal opinion and interpretation of association documents as to adherence to Florida insurance statutes.
- This insurance inspection report is not a guarantee or warranty of any kind. We do not assume any liability for damages which may result from this report. We are not responsible for conditions this report fails to disclose. The report is valid for one year. This insurance inspection report should be updated at least once a year.
- Neither our employment nor our compensation in connection with this report is in anyway contingent upon the conclusions reached; this report sets forth all the assumptions and limiting conditions affecting the analysis, insurable analysis and conclusions contained herein; **Tri-County Engineering & Inspections, Inc.**, makes no warranties or representations regarding the insurance report conclusions found in this report.
- The authors of this report shall not be required to give testimony or appear in court or at any administrative proceeding relating to this inspection report. The conclusions in this insurance inspection report utilize acceptable insurance methods only. The Association, by accepting this insurance report, agrees to release TCE& I. from any claims, demands or damages. The insured , in consideration of TCE&I performing the insurance analysis report, hereby agrees to indemnify, defend and hold harmless **Tri-County Engineering & Inspections, Inc.** from and against any and all liability, damages, losses, claims, demands or lawsuits arising out of or relating to this insurance analysis report. Acceptance of and use of this report constitutes acceptance of the above statements.

Certification

- I hereby certify that to the best of my knowledge and belief, and except as otherwise noted in this report:
- The statements of fact contained in this report are believed to be true and correct.
- The reported analyses, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, unbiased, professional analyses and conclusions.
- I have no present or prospective interest in the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved.
- This replacement cost estimate assignment was not based on a requested minimum valuation, a specific valuation, or the approval of a loan.
- Neither the replacement cost estimate assignment nor our compensation is contingent upon the reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value estimate, the attainment of a stipulated result, or the occurrence of a subsequent event.
- No person unless so stated, provided significant professional assistance to the person signing this report.
- Tri-County Engineering & Inspections, Inc. certifies that we meet or exceed Citizens Property Insurance Standards for the execution of Replacement Cost Estimates.

I, William Scott Pluto , certify that or Tri-County Engineering & Inspections, Inc, have/has at least five (5) years experience in the field of commercial property inspections, commercial risk assessment, and commercial property replacement cost evaluation.



William Scott Pluto CGC
Tri-County Engineering & Inspections, Inc.
Senior Appraiser
Certified General Contractor
CGC1507049

MIAMIBEACH
BUILDING DEPARTMENT
1700 Convention Center Drive, 2nd Floor
Miami Beach, Fl, 33139
Phone: (305) 673-7610 Fax: (305) 673-7857

Owner/ Qualifier / Contractor Estimate Construction Cost Affidavit
(To be submitted for the main/master permits or the stand alone permits)

Permit Number: B1401230 **Date:** 1/13/14

Job Address: 1100 15 ST **Folio No.:** 32340180680

The construction cost should include the work under the main Permit and all associated permits.

Part I: FEMA 50% Related Construction Cost		
Items to be excluded from Estimate Construction Cost for Part I (FEMA 50% Related Construction Cost): *Plan and Specification, Survey Cost, Permit Fees, Swimming Pools, detached structures (garages, storages, cabanas), Landscaping, Fences, Yard light , Not Built-ins Appliances and Furniture.*		
Estimated Construction Cost	**General Contractor Cost**	**Owner Cost**
Demolition & Removal		
Building & Structural Elements		
Roofing		
Doors & Windows	$90'000	$90'000
Railing		
Interior Finish, Floor Covering, Painting		
Cabinets and Furniture-Built-Ins		
Appliances-Built-Ins		
Other Building related Items		
Electrical including Fixtures		
Elevator		
Mechanical-HVAC-equipments		
Plumbing including Fixtures		
Overhead and Profit		
Sub Total Construction Cost	$ $90'000	$ 90'000
Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes	$	

MIAMIBEACH
BUILDING DEPARTMENT
1700 Convention Center Drive, 2nd Floor
Miami Beach, Fl, 33139
Phone: (305) 673-7610 Fax: (305) 673-7857

Part II: Non Related FEMA 50% Construction Cost		
Estimated Construction Cost	**General Contractor Cost**	**Owner Cost**
Swimming Pools		
Fences, Pavers, Sidewalks, Site Improvements		
Yard Light		
Other and detached: garages, storage and cabanas		
Sub Total Cost	$	$
Sub Total Construction Cost Estimate for non FEMA 50% Rule Purposes	$	

Part III: Total Construction Cost (Note: The construction cost will be validated by Plan Examiners)	
Estimated Construction Cost	
Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes-Part I	$ 90,000
Sub Total Construction Cost Estimate for Non FEMA 50% Rule Purposes- Part II	$
Total Construction Cost Estimate. (Add Part I and Part II of Construction Cost)	$ 90,000

Part IV: Signature Required

If the improvements cost will increase at any point during the proposed construction, It is Owner and the Contractor of Record responsibility to submit the revised improvements cost to the Building Department for review and approval.

_____
Signature of Owner

STATE OF FLORIDA
COUNTY OF Dade

Sworn to and Subscribed before me this 13 day of 01 20 14, by:

_____

[ ] Personally known [✓] Produced Identification - Type of Identification ID Driver

_____
Signature of Notary Public

OSCAR SERGIO CUEVA
MY COMMISSION # EE 851033
EXPIRES: March 9, 2017
Bonded Thru Notary Public Underwriters

MIAMIBEACH
BUILDING DEPARTMENT
1700 Convention Center Drive, 2nd Floor
Miami Beach, Fl, 33139
Phone: (305) 673-7610 Fax: (305) 673-7857

Signature of Qualifier / Contractor

STATE OF FLORIDA
COUNTY OF Dade

Sworn to and Subscribed before me this 12 day of Jan 20 14, by:

[/] Personally known [ ] Produced Identification - Type of Identification

OSCAR SERGIO CUEVA
MY COMMISSION # EE 851033
EXPIRES: March 9, 2017
Bonded Thru Notary Public Underwriters

Signature of Notary Public

Part V: Building Department Use Only

A	**Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes.**	$	90,000 ≥
B	**Over Five Year Improvements**	$	47,000 ≥
C	**Total Improvements**	$	137,000 ≥
D	**Building Tax Assessed Value**	$	224,116 ≤
E	**Building Appraised Market Value**	$	288,766 ≥
F	**Improvements Cost Ratio (C/E or C/D)**	%	47.4%

If improvements cost exceed 40% of the Building Tax Value, a building appraised market Value is required for evaluation of Improvement Cost Ratio.

Check one box:

☐ **New Construction and Substantial Improvement** ☒ **Existing Building and Non Substantial Improvement**

Flood Plain Compliance Reviewer

01 31 14
Flood Plain Compl Reviewer signature and date

Note: Over $1,000,000.00 Improvements Cost requires Chief Flood Plan Compliance Division Approval, over $50,000,000.00 Improvements Cost requires Building Director Approval.

Name

Signature and Date

5582 N.W. 7th STREET SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE: (305) 264-2660
FAX: (305) 264-0229

Nova Surveyors Inc.

LAND SURVEYORS

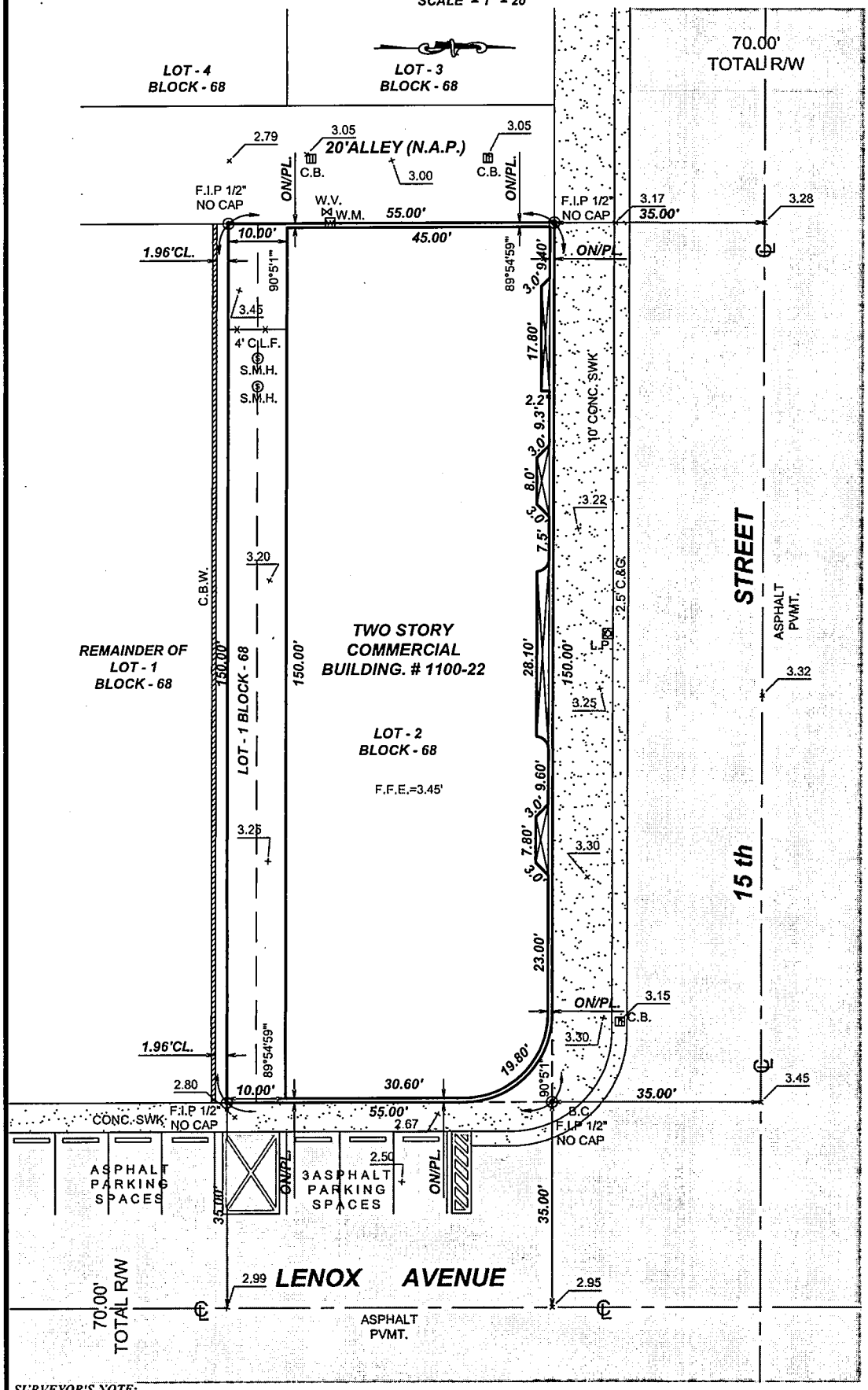
SURVEY No. 13-0000707-1

SHEET No. 2 OF 2

DRAWN BY: AL.

BOUNDARY SURVEY

SCALE = 1" = 20'



SURVEYOR'S NOTE:

- There may be Easements recorded in the Public Records not shown on this Survey.
- The purpose of this Survey is for use in obtaining Title Insurance and Financing and should not be used for Construction purposes.

B1401230

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Enviralum Industries, Inc.
5100 NW 72nd Avenue
Miami, FL 33166

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 RER-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. RER 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: Series "ENV-350": Outswing Aluminum Entrance Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W12-30**, titled "Series ENV-350 Outswing Entrance Door (L.M.I.)", sheets 1 through 10 of 10, dated 06/08/12, with revision A dated 08/23/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

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, model/series, 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.**

MIAMI-DADE COUNTY APPROVED

9/14/12

NOA No. 12-0706.05
Expiration Date: September 17, 2017
Approval Date: September 17, 2012

Enviralum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W12-30**, titled "Series ENV-350 Outswing Entrance Door (L.M.I.)" sheets 1 through 10 of 10, dated 06/08/12, with revision A dated 08/23/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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) 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 marked-up drawings and installation diagram of an outswing aluminum double entrance door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6920**, dated 05/19/12, signed and sealed by Marlin D. Brinson, P.E. with addendum letters dated 09/06/12 and 09/12/12, signed by Manny Sanchez, CEO
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) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Drop Test per ANSI Z97.1-2009

   along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6678**, dated 03/20/12, and addendum letter dated 08/23/12, all signed and sealed by Marlin D. Brinson, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC–2010, prepared by Al–Farooq Corporation, dated 06/18/12 and 09/14/12, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0706.05
Expiration Date: September 17, 2017
Approval Date: September 17, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co.**, Inc. for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11–0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated June 28, 2012, issued by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Testing Proposal No. **10–1236** issued by Product Control, dated 12/20/10, revised on 01/05/11, signed by Manuel Perez, P.E.

G. OTHER

1. None.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0706.05
Expiration Date: September 17, 2017
Approval Date: September 17, 2012

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	COVER PAGE, GENERAL NOTES, GLAZING DETAILS
2	SINGLE & DOUBLE DOORS TYP. ELEVATIONS & CAPACITY
3	SINGLE & DOUBLE DOORS WITH TRANSOM, ELEVATIONS & CAPACITY CHART
4	LOCK OPTIONS & LIMITATIONS
5	HORIZONTAL RAILS, HEAD/SILL DETAILS & TYPICAL ANCHORS
6	VERTICAL STILES, JAMB DETAILS
7	TRANSOM HEAD/SILL/JAMB DETAILS
8	PARTS DRAWINGS
9	BILL OF MATERIALS & HINGE OPTIONS
10	CORNER CONSTRUCTION DETAILS

SERIES ENV-350
ALUMINUM OUTSWING ENTRANCE DOOR

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THESE DOORS MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPR'D LARGE MISSILE IMPACT RESISTANT STOREFRONT SYSTEM. LOWER DESIGN PRESSURE FROM DOOR OR STOREFRONT APPROVAL WILL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

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

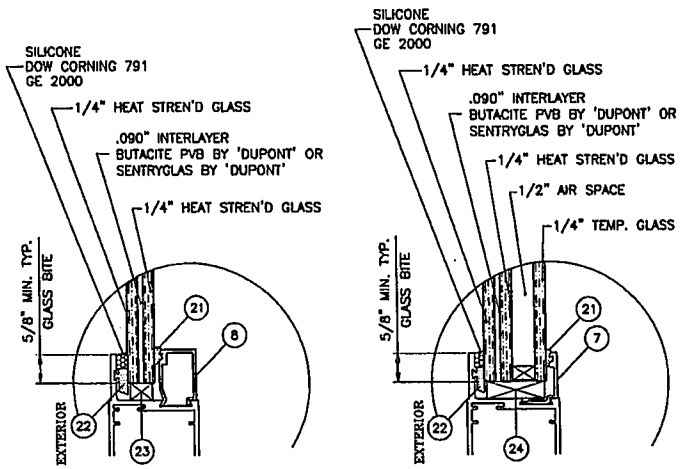
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.

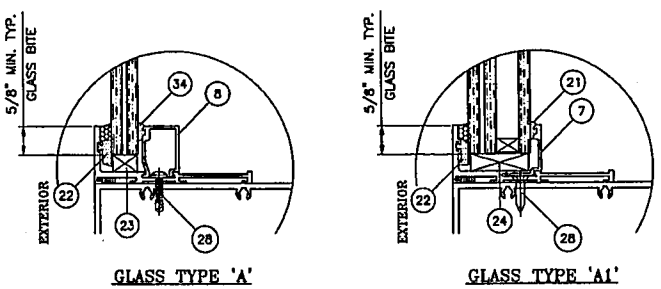
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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.



GLASS TYPE 'A' GLASS TYPE 'A1'

GLAZING DETAILS DOOR



GLASS TYPE 'A' GLASS TYPE 'A1'

GLAZING DETAILS TRANSOM

INSTRUCTIONS:

USE DRAWING AS FOLLOWS.

1. SELECT SINGLE OR DOUBLE DOORS FROM SHEET 2 OR SINGLE OR DOUBLE DOORS WITH TRANSOM FROM SHEET 3.
2. SELECT DOOR AND FRAME SIZE.
3. DETERMINE Dp RATING FROM SHEET 2 OR 3.
4. SELECT GLASS TYPE A OR A1 FROM SHEET 1.
5. SELECT LOCK OPTION AND CORRESPONDING MAX. DESIGN LOAD FROM SHEET 4.
6. SELECT ANCHORING CONDITION AND CORRESPONDING ANCHOR TYPE AND NUMBER OF ANCHORS FROM SHEET 5.
7. SELECT JAMB OPTIONS FROM SHEET 6.
8. SELECT HINGE OPTION FROM SHEET 9.
9. DETERMINE FINAL DESIGN PRESSURE FOR THE SYSTEM, TAKEN AS THE LOWEST OF ALL Dp VALUES OBTAINED.

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

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

SEP 14 2012

Approved as complying with the Florida Building Code
Date Sept. 17, 2012
NOA# 12-0706.05
Miami Dade Product Control
By

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W12-30ENV

SERIES ENV-350 OUTSWING ENTRANCE DOOR (L.M.I.)

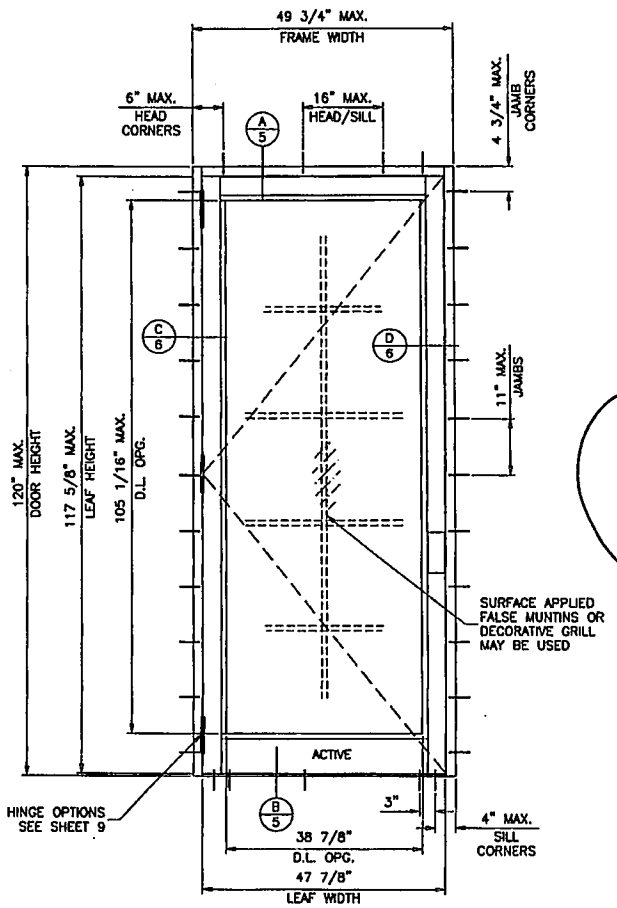
ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL. 33166
TEL. (786) 251-0204 FAX. (305) 385-7749

revisions:			
no	date	by	description
A	08.23.12		REV. PER RER COMMENTS

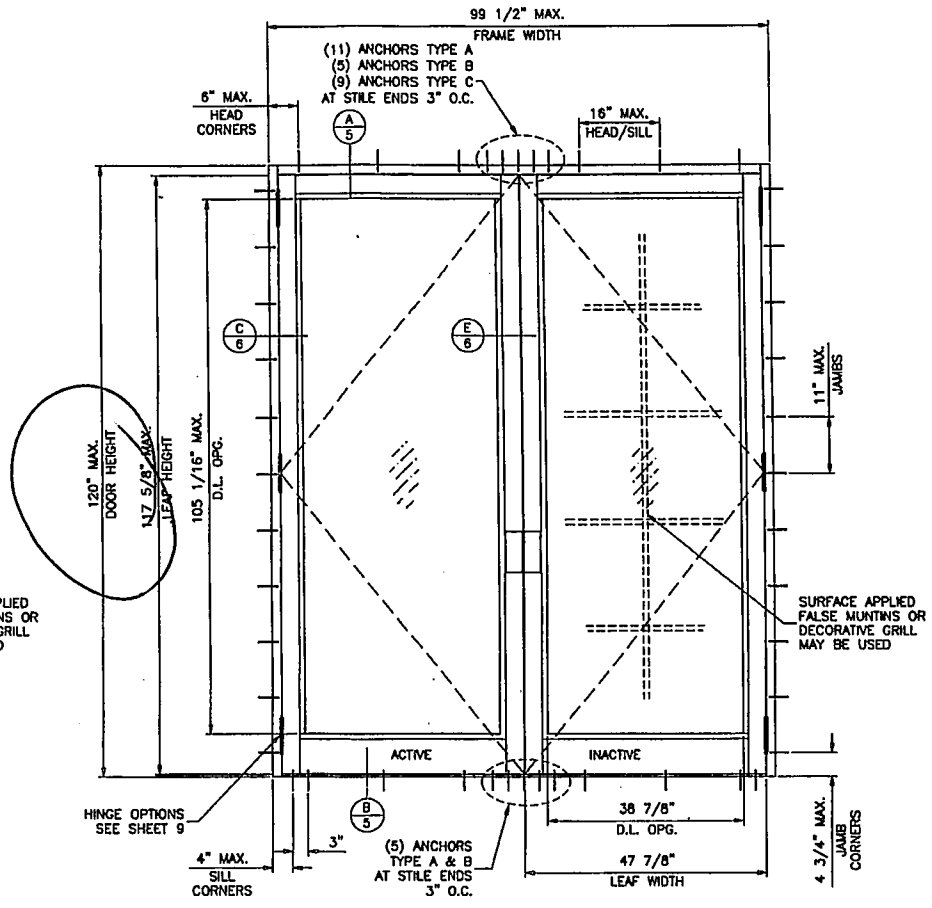
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W12-30

sheet 1 of 10



(X)



(XX)

GLASS D.L.O. DIMS.
D.L.O. HEIGHT = DOOR FRAME HEIGHT - 14.9375"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.8125"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 21.875")/2

DESIGN PRESSURE RATING			IMPACT RATING	REMARKS
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED		
POSITIVE	NOT APPROVED	+100 PSF	LARGE AND SMALL MISSILE IMPACT RESISTANT	SEE SHEET 4 FOR LOCK OPTIONS AND LIMITATIONS
NEGATIVE		-100 PSF		

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W12-30ENV

SERIES ENV-350 OUTSWING ENTRANCE DOOR (LMI)

ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL. 33166
TEL (786) 251-0204 FAX. (305) 385-7749

revisions:			
no	date	by	description
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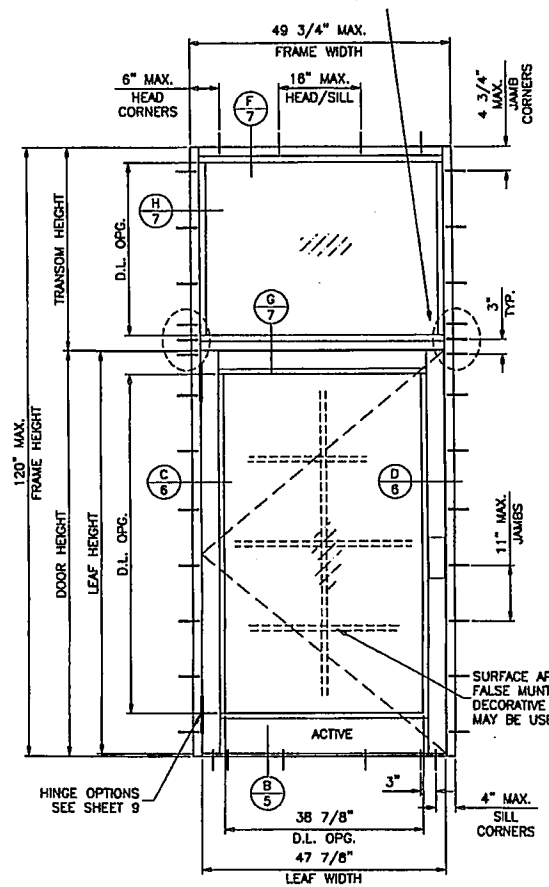
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dr. by: HAMID
chk. by:

drawing no.
W12-30

sheet 2 of 10

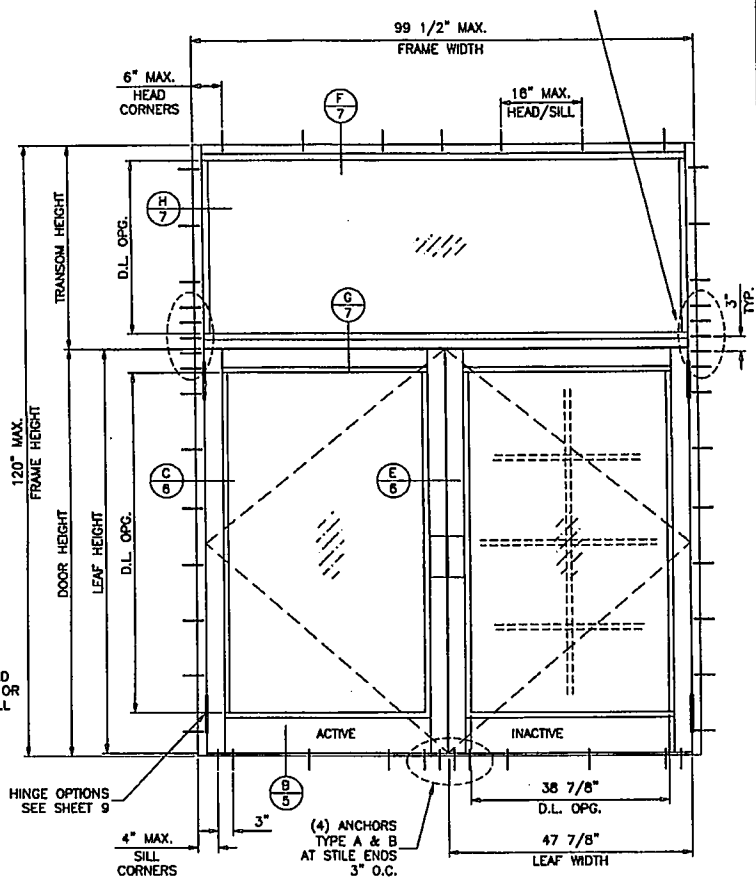
SINGLE OR DOUBLE DOORS WITH TRANSOM CAPACITY - PSF NOT APPROVED WHERE WATER INFILTRATION RESISTANCE IS REQUIRED					
FRAME/TRANSOM WIDTH		DOOR HEIGHT	TRANSOM HEIGHT	WITHOUT REINF. EXT.(+) INT.(-)	WITH REINF. EXT.(+) INT.(-)
37-3/4" (X)	75-1/2" (XX)	80"	24"	75.0	75.0
			30"	75.0	75.0
			36"	75.0	75.0
			40"	75.0	75.0
40-3/4" (X)	81-1/2" (XX)		24"	75.0	75.0
			30"	75.0	75.0
			36"	71.8	75.0
			40"	69.0	75.0
43-3/4" (X)	87-1/2" (XX)		24"	75.0	75.0
			30"	65.4	75.0
			36"	61.4	75.0
			40"	58.9	75.0
46-3/4" (X)	93-1/2" (XX)		24"	60.6	75.0
			30"	56.5	75.0
			36"	52.9	75.0
			40"	50.7	75.0
49-3/4" (X)	99-1/2" (XX)		24"	52.9	75.0
			30"	49.3	75.0
			36"	46.0	75.0
37-3/4" (X)	75-1/2" (XX)	84"	24"	75.0	75.0
			30"	75.0	75.0
			36"	75.0	75.0
40-3/4" (X)	81-1/2" (XX)		24"	75.0	75.0
			30"	73.8	75.0
			36"	69.4	75.0
43-3/4" (X)	87-1/2" (XX)		24"	67.4	75.0
			30"	63.2	75.0
			36"	59.3	75.0
46-3/4" (X)	93-1/2" (XX)		24"	58.3	75.0
			30"	54.6	75.0
			36"	51.2	75.0
49-3/4" (X)	99-1/2" (XX)		24"	50.9	75.0
			30"	47.5	75.0
			36"	44.5	73.8
37-3/4" (X)	75-1/2" (XX)	90"	24"	75.0	75.0
			30"	75.0	75.0
40-3/4" (X)	81-1/2" (XX)		24"	74.5	75.0
			30"	70.1	75.0
43-3/4" (X)	87-1/2" (XX)		24"	63.9	75.0
			30"	60.0	75.0
46-3/4" (X)	93-1/2" (XX)		24"	55.3	75.0
			30"	51.8	75.0
49-3/4" (X)	99-1/2" (XX)		24"	48.2	75.0
			30"	45.2	73.8
37-3/4"	75-1/2"	96"	24"	75.0	75.0
40-3/4"	81-1/2"		24"	70.8	75.0
43-3/4"	87-1/2"		24"	60.7	75.0
46-3/4"	93-1/2"		24"	52.5	75.0
49-3/4"	99-1/2"		24"	45.8	73.8

ANCHOR TYPE	WITHOUT REINF.	WITH REINF.
A	2	3
B & C	2	2

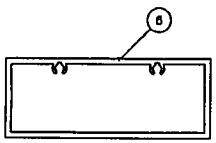


(O/X)

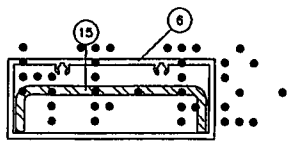
ANCHOR TYPE	WITHOUT REINF.	WITH REINF.
A	4	5
B & C	3	4



(O/XX)



TRANSOM WITHOUT REINF.



TRANSOM WITH REINF.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
SEP 17 2012

Approved as complying with the Florida Building Code
Date Sept. 17, 2012
NOA# 12-0706.05
Miami Dade Product Control
By: Manuel Perez

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W12-30ENV

SERIES ENV-350 OUTSWING ENTRANCE DOOR (LM.I.)

ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL. 33166
TEL. (786) 251-0204 FAX. (305) 385-7749

revisions:			
no	date	by	description
A	08.23.12		REV. PER RER COMMENTS

date: 06-08-12
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W12-30
sheet 3 of 10

LOCK OPTIONS:

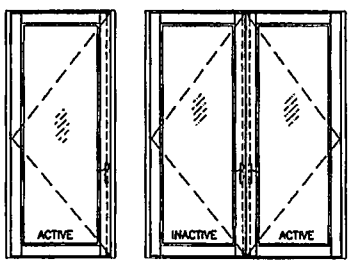
STD. 3 POINT LOCK
MAX. FRAME HEIGHT = 120 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = 100 PSF

ACTIVE LEAF:

3 POINT LOCK SYSTEM BY 'INTERLOCK' AT 39" FROM BOTTOM
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS

INACTIVE LEAF:

2 POINT LOCK SYSTEM BY 'INTERLOCK' AT 39" FROM BOTTOM
HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL
FASTENED TO INACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS



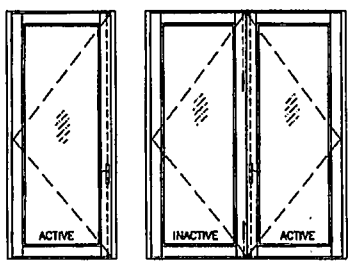
STD. 3 POINT LOCK
MAX. FRAME HEIGHT = 120 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = 100 PSF

ACTIVE LEAF:

THREE POINT LOCK SYSTEM SERIES 2222 BY 'REGENT HARDWARE'
KEY OPERATED FROM EXTERIOR AND THUMB TURN ON INTERIOR WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE
LOCATED AT 34" FROM BOTTOM OF LEAF

INACTIVE LEAF:

MANUALLY OPERATED TWO POINT LOCK SYSTEM BY 'REGENT HARDWARE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE
FASTENED WITH
(2) #8-32 X 1/4" PH MACHINE SCREWS



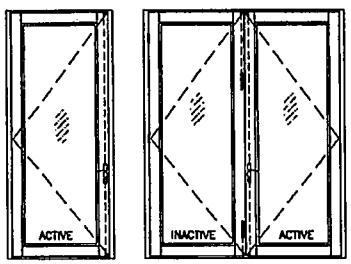
STD. 3 POINT LOCK
MAX. FRAME HEIGHT = 120 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = 100 PSF

ACTIVE LEAF:

KEY OPERATED THREE POINT LOCK SYSTEM BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:

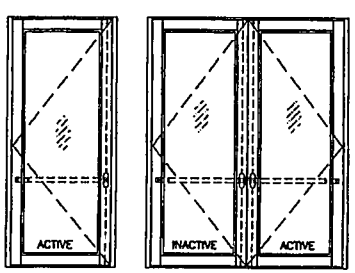
MANUALLY OPERATED TWO POINT LOCK SYSTEM BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE
FASTENED WITH
(2) #8-32 X 1/4" PH MACHINE SCREWS



PANIC EXIT DEVICE
MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = 75 PSF

ACTIVE & INACTIVE LEAF:

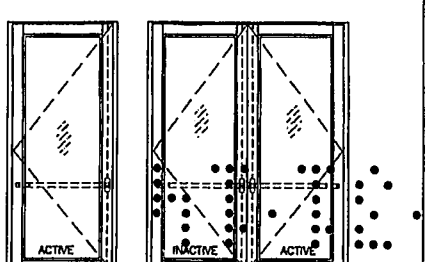
CONCEALED VERTICAL ROD PANIC EXIT DEVICE # 5770 BY 'REGENT HARDWARE' LOCATED AT 40" FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #10 X 3/8" FH SELF DRILLING SCREW AT ONE END AND
(2) #10 X 1/2" FH SELF DRILLING SCREWS AT OTHER END



PANIC EXIT DEVICE
MAX. FRAME HEIGHT = 120 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = 100 PSF

ACTIVE & INACTIVE LEAF:

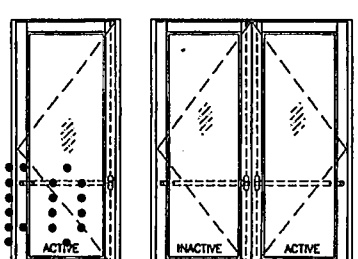
CONCEALED VERTICAL ROD PANIC EXIT DEVICE # G86 BY 'ADAMS RITE' LOCATED AT 40" FROM SILL AT EACH LEAF.
FASTENED WITH
(2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
(2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END



PANIC EXIT DEVICE
MAX. FRAME HEIGHT = 120 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = 100 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE PRECISION 2800 BY 'STANLEY' LOCATED AT 40" FROM SILL AT EACH LEAF.
FASTENED WITH
(2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
(2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END



Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3536
SEP 14 2012

Approved as complying with the Florida Building Code
Date: Sept. 11, 2012
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Miami Dade Product Control
By: Manuel Perez

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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COMP-ANL\W12-30ENV

SERIES ENV-350 OUTSWING ENTRANCE DOOR (L.M.I.)

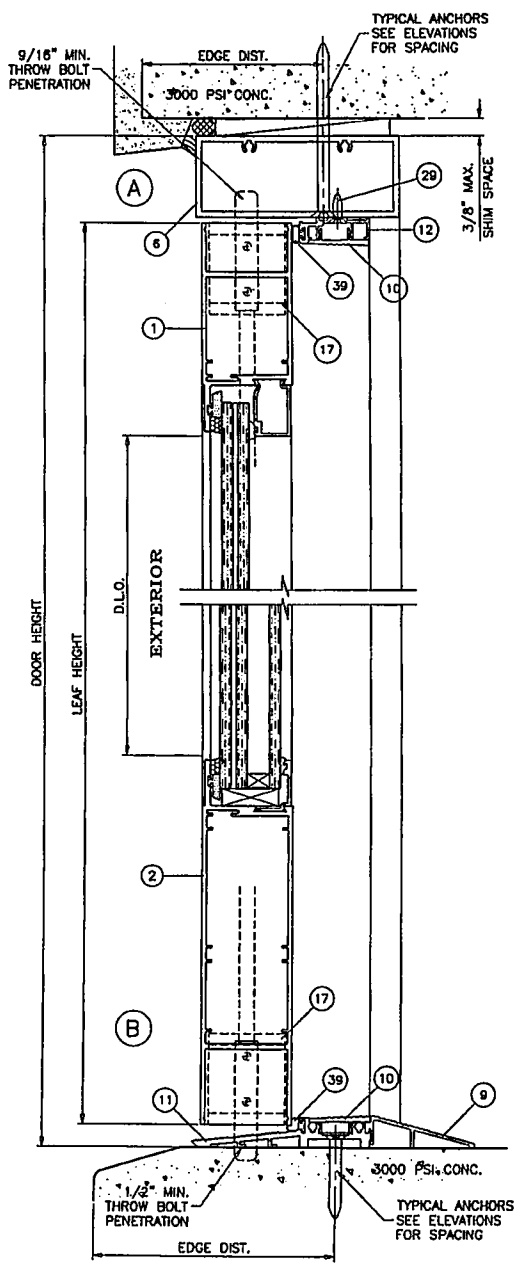
ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL 33166
TEL. (786) 251-0204 FAX. (305) 385-7749

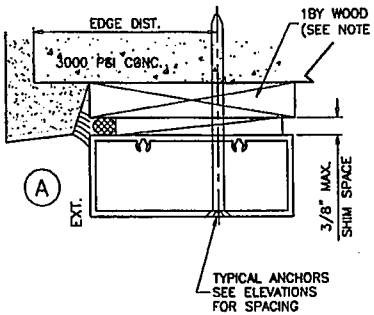
revisions:		
no	date	by description
A	08.23.12	NO CHANGE THIS SHEET

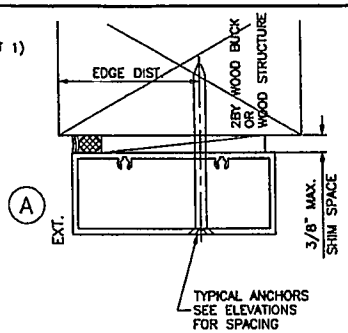
date: 08-08-12
scale: 3/8" = 1"
dr. by: HAMD
chk. by:

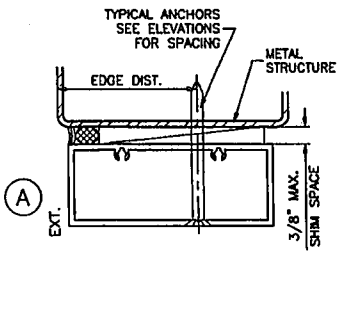
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W12-30

sheet 4 of 10









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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE OR MASONRY
WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES
WITH 1-7/8" MIN. PENETRATION INTO WOOD

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE OR MASONRY
WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 3" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.

TYPE 'C'

1/4" DIA. SELF DRILLING SCREWS ST/ST (GRADE 5 CRS)
INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70582
C.A.N. 3538

SEP 17 2012

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Miami Dade Product Control
By

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W12-30ENV

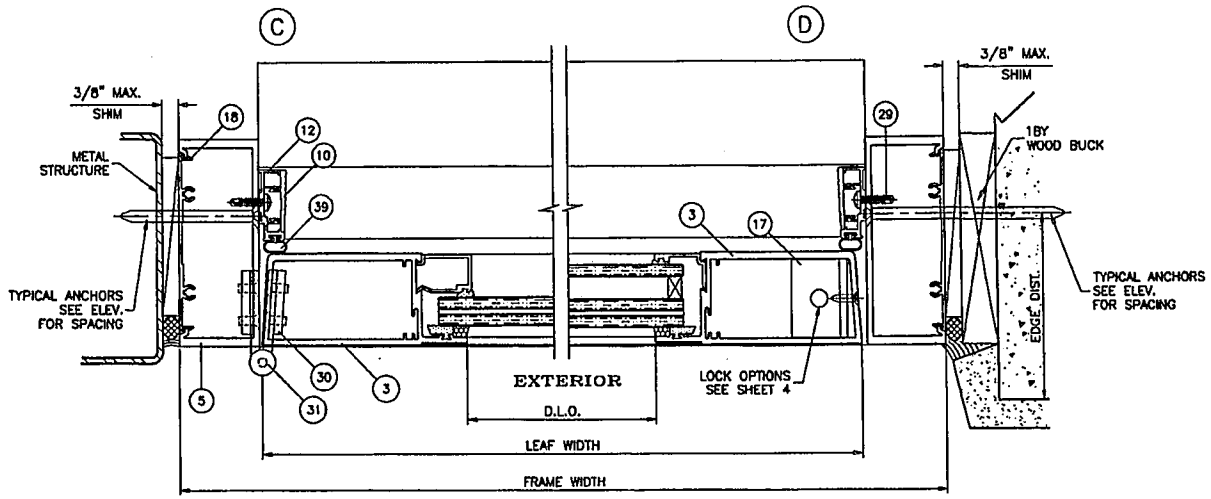
SERIES ENV-350 OUTSWING ENTRANCE DOOR (LMI)

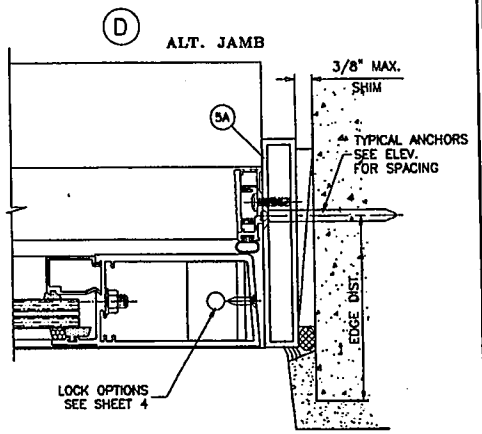
ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL 33166
TEL (786) 251-0204 FAX. (305) 385-7749

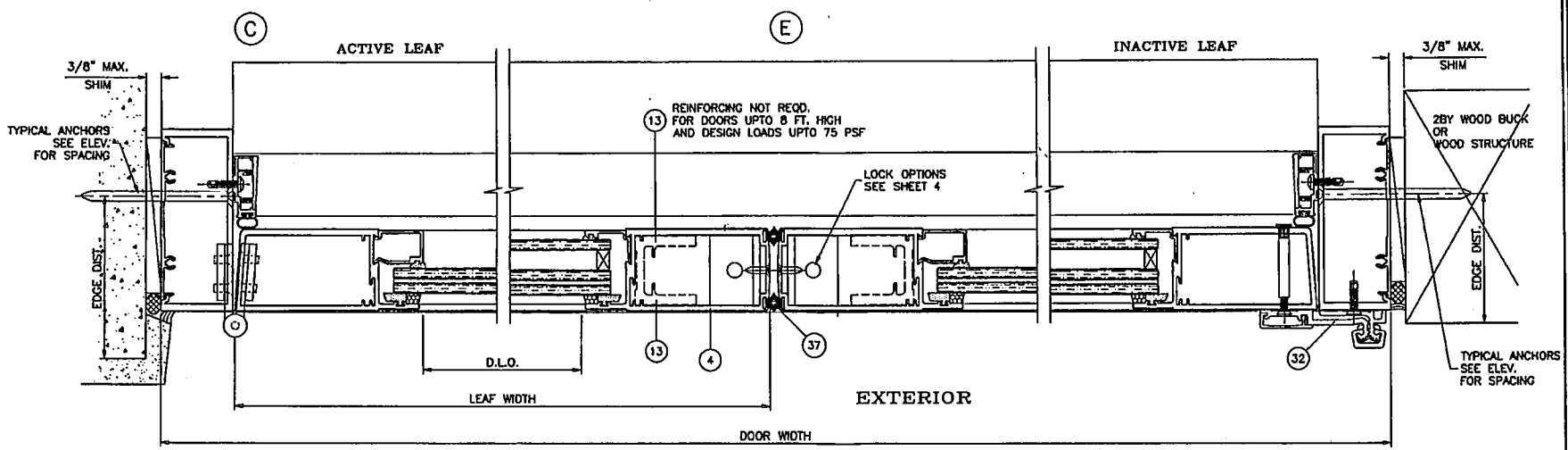
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dr. by: HAMID
chk. by:

drawing no.
W12-30
sheet 5 of 10







DOOR DETAILS

Engr: JAVAD AHMAD
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FLA. PE # 70592
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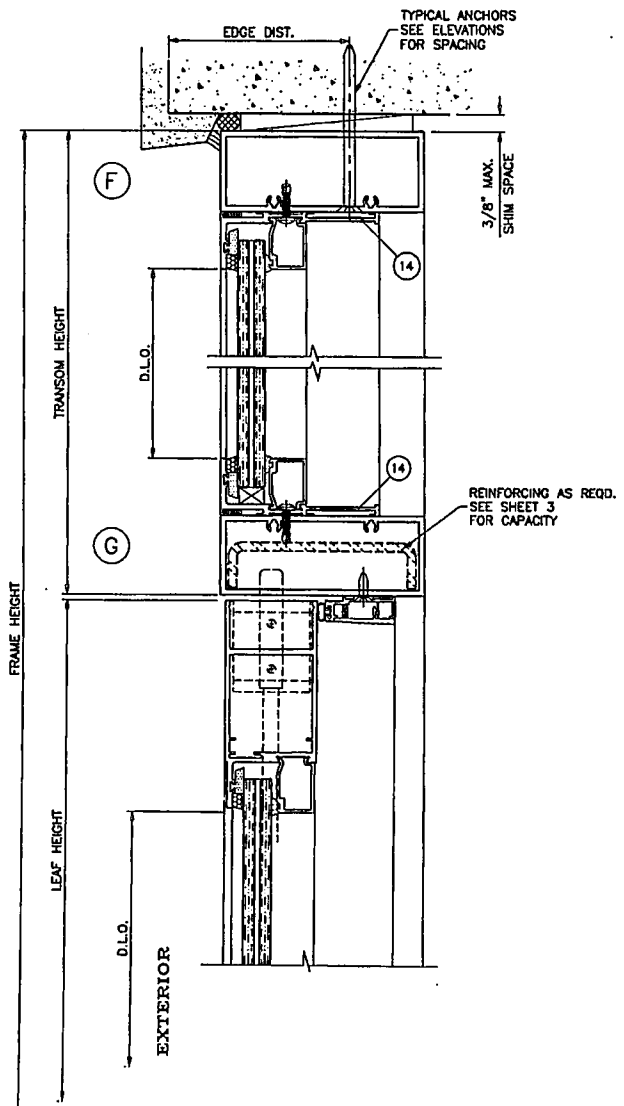
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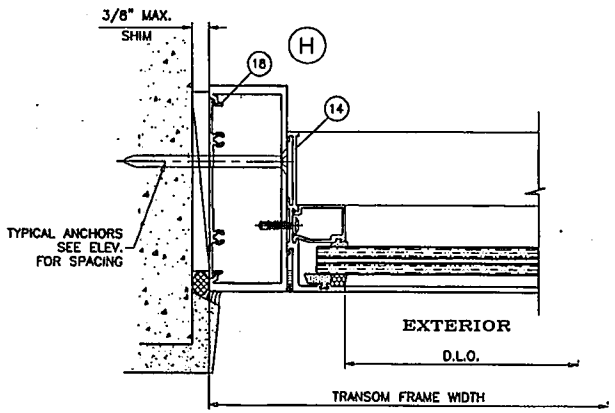
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chk. by:

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sheet 6 of 10





TRANSOM DETAILS

Engr: JAVAD AHMAD
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SERIES ENV-350 OUTSWING ENTRANCE DOOR (L.M.I.)

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MIAMI, FL. 33166
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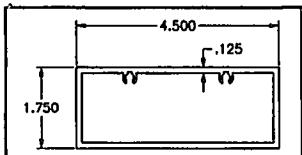
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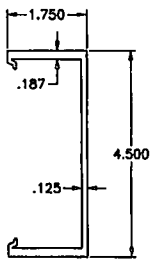
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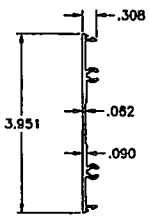
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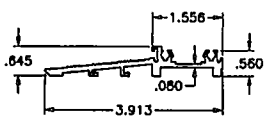
6 FRAME HEAD



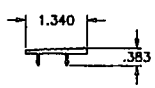
5 FRAME JAMB



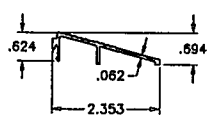
16 FLAT FILLER



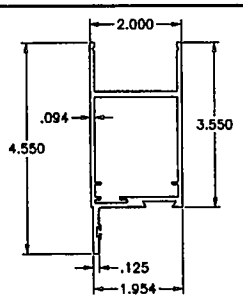
11 THRESHOLD



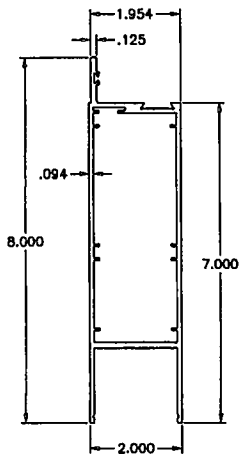
10 THRESHOLD/DOOR STOP COVER



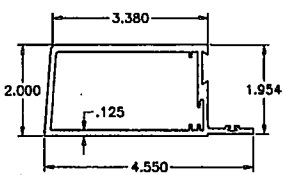
9 ADA THRESHOLD RAMP



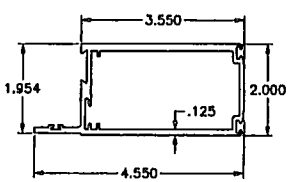
1 TOP RAIL



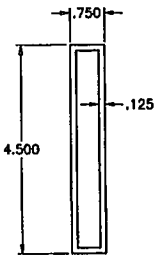
2 BOTTOM RAIL



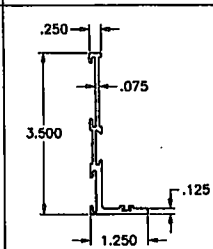
3 HINGE STILE



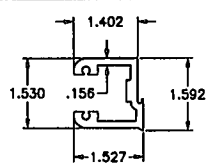
4 LOCK STILE



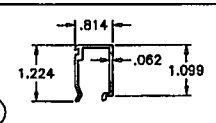
5A ALT. FRAME JAMB



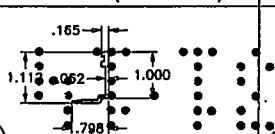
14 TRANSOM SASH



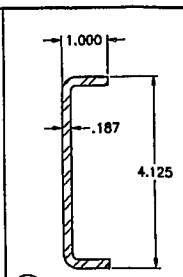
15 SHEAR BLOCK



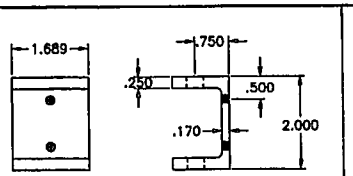
8 GLASS STOP (LAM. GLASS)



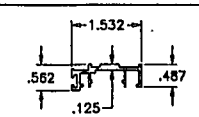
7 GLASS STOP (INSUL. LAM. GLASS)



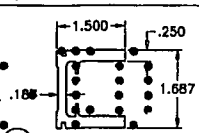
15 STEEL CHANNEL REINF.



17 GUIDE CHANNEL FOR TOP & BOTTOM PIN



12 DOOR STOP



13 STILE REINFORCEMENT

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SERIES ENV-350 OUTSWING ENTRANCE DOOR (L.M.L.)

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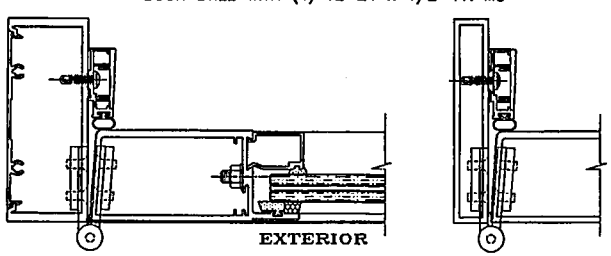
sheet 8 of 10

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ENV-351	1/ LEAF	TOP RAIL	6063-T6	ENVIRALUM
2	ENV-352	1/ LEAF	BOTTOM RAIL	6063-T6	ENVIRALUM
3	ENV-353	1/ LEAF	HINGE STILE	6063-T6	ENVIRALUM
4	ENV-354	1/ LEAF	LOCK STILE	6063-T6	ENVIRALUM
5	ENV-355	2/ DOOR	FRAME JAMB	6063-T6	ENVIRALUM
5A	–	2/ DOOR	ALT. FRAME JAMB	6063-T6	ENVIRALUM
6	ENV-356	1/ DOOR	FRAME HEAD	6063-T6	ENVIRALUM
7	ENV-357	4/ LITE	GLASS STOP (INSULATED GLASS)	6063-T6	ENVIRALUM
8	ENV-358	4/ LITE	GLASS STOP (LAMINATED GLASS)	6063-T6	ENVIRALUM
9	ENV-359	AS REQD.	ADA THRESHOLD RAMP	6063-T6	ENVIRALUM
10	ENV-3510	AS REQD.	THRESHOLD/DOOR STOP COVER	6063-T6	ENVIRALUM
11	ENV-3511	1/ DOOR	THRESHOLD	6063-T6	ENVIRALUM
12	ENV-3512	3/ DOOR	DOOR STOP	6063-T6	ENVIRALUM
13	ENV-3513	AS REQD.	STILE REINFORCEMENT, REQD. FOR DOORS ABOVE 8 FT. HIGH	6063-T6	ENVIRALUM
14	ENV-3515	4/ TRANSOM	TRANSOM SASH	6063-T6	ENVIRALUM
15	ENV-ST2	AS REQD.	1" X 4-1/8" X 1" X 3/16" THK. CHANNEL	STEEL	ENVIRALUM
16	ENV-3516	1/ LEAF CORNER	SHEAR BLOCK	6063-T6	ENVIRALUM
17	ENV-GC01	2/ LEAF	GUIDE CHANNEL FOR TOP & BOTTOM PIN	6063-T6	ENVIRALUM
18	ENV-454	AS REQD.	FLAT SNAP, 3" LONG	6063-T6	ENVIRALUM
19	–	–	–	–	–
20	–	–	–	–	–
21	ENV-G04	AS REQD.	INTERIOR GASKET	EPDM	GLAZING RUBBER PRODUCTS
22	ENV-G06	AS REQD.	SPACER GASKET	EPDM	GLAZING RUBBER PRODUCTS
23	ENV-SB01	1/ QUARTER POINT	3/8" X 1/2" X 2" SETTING BLOCKS, DUROMETER 70±5	EPDM	GLAZING RUBBER PRODUCTS
24	ENV-SB02	1/ QUARTER POINT	3/8" X 1-1/4" X 2" SETTING BLOCKS, DUROMETER 70±5	EPDM	GLAZING RUBBER PRODUCTS
25	DOW 791	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
26	GE SCS2000	AS REQD.	GLAZING COMPOUND	SILICONE	GE MOMENTIVE
27	#12 X 1-1/2	4/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HWH SMS, AT 16" O.C.
28	#8 X 5/8"	AS REQD.	TRANSOM SASH SCREWS	ST. STEEL	AT 3" FROM ENDS & 12" O.C.
29	#8 X 5/8"	AS REQD.	DOOR STOP ASSEMBLY SCREWS, @ 3" FROM ENDS & 20" O.C.	ST. STEEL	HWH SMS
30	ENV-BP1	2/ HINGE	HINGE BACKING PLATE, 1-1/2" X 1/4" THK. X 8-3/8" LONG	ALUMINUM	–
31	4001	3/ LEAF	4-1/2" X 4" BUTT HINGES	ST. STEEL	REGENT HARDWARE
32	SL-21	1/ LEAF	CONT. GEAR HINGE	ALUMINUM	SELECT PRODUCTS LTD.
32A	PEMKO-FS	1/ LEAF	CONT. GEAR HINGE	ALUMINUM	PEMKO
33	1/4-20 X 1"	10/ LEAF	CORNER BLOCK ASSEMBLY	ST. STEEL	HEX HEAD BOLT W/ WASHER
34	ENV-G01	AS REQD.	FIXED INTERIOR GASKET	EPDM	GLAZING RUBBER PRODUCTS
35	–	–	–	–	–
36	–	–	–	–	–
37	ENV-WP1	AS REQD.	WOOL PILE W'STRIPPING	TRILOBAL YARN	ULTRAFAB
38	ENV-WP2	AS REQD.	WOOL PILE W'STRIPPING	TRILOBAL YARN	ULTRAFAB
39	ENV-BG1	AS REQD.	BULB W'STRIPPING, (.475 BULB W/ FLAP X .270 BK.)	EPDM	ULTRAFAB

HINGES:

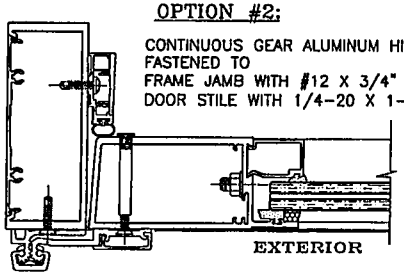
OPTION #1:

4" X 4-1/2" X .130" THK. ST. STEEL KNUCKLE HINGE
SERIES 4001 BY 'REGENT HARDWARE' 3 PER LEAF
TOP/BOTTOM HINGES AT 7" FROM EACH END
CENTER HINGE AT MIDSPAN
FASTENED TO
FRAME JAMB WITH (4) 12-24 X 1/2" FH MS
DOOR STILE WITH (4) 12-24 X 1/2" FH MS



OPTION #2:

CONTINUOUS GEAR ALUMINUM HINGE PEMKO-FS & SELECT SL-21
FASTENED TO
FRAME JAMB WITH #12 X 3/4" FH SCREWS AT 6" O.C.
DOOR STILE WITH 1/4-20 X 1-1/4" FH MS WITH SEX BOLT AT 6" O.C.



SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

Engr: JAVAD AHMAD
CIVIL
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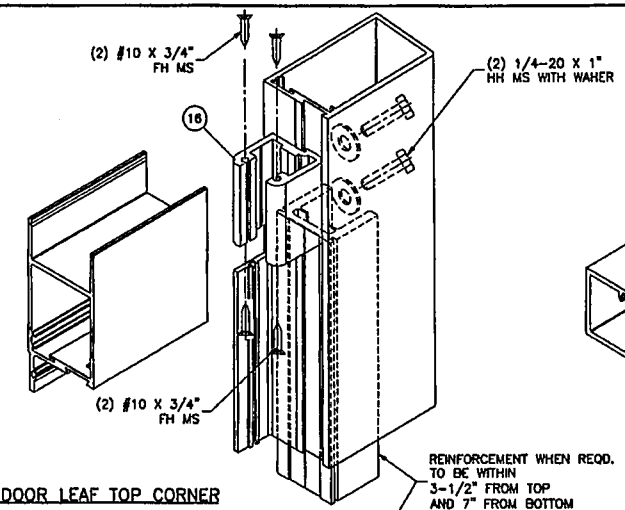
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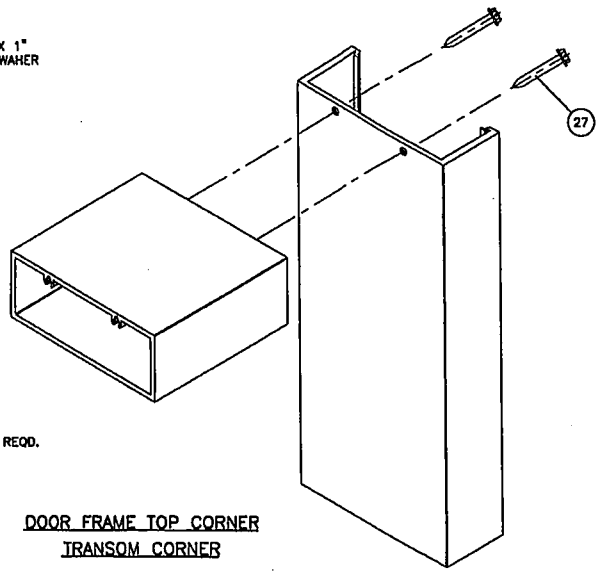
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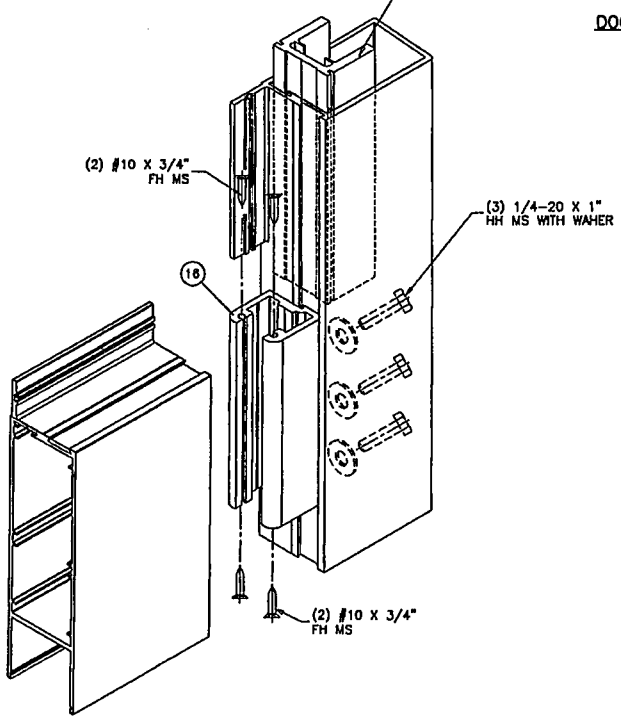
sheet 9 of 10



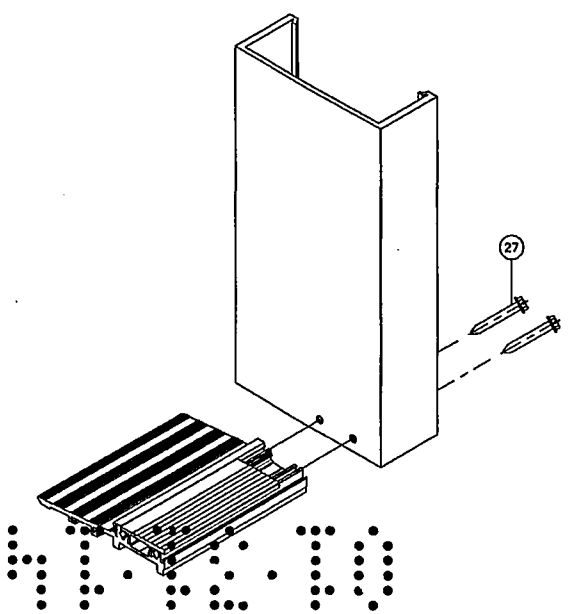
DOOR LEAF TOP CORNER



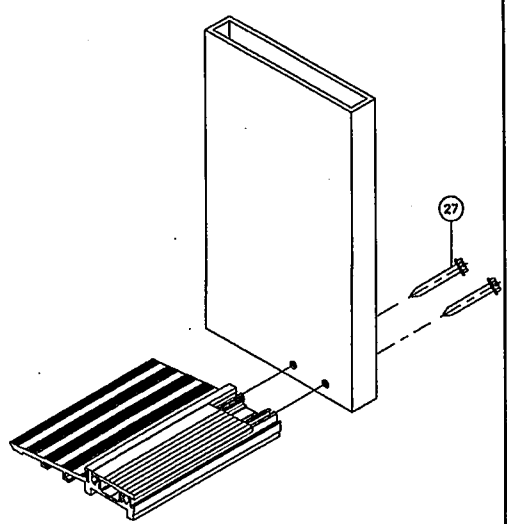
DOOR FRAME TOP CORNER
TRANSOM CORNER



DOOR LEAF BOTTOM CORNER



DOOR FRAME BOTTOM CORNER



Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3536
SEP 14 2012

Approved as complying with the Florida Building Code
Date Sept. 17, 2012
NOA# 12-0706.05
Miami Dade Product Control
By Manuel Perez

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-5975
COMP-ANL\W12-30ENV

SERIES DNV-350 OUTSWING ENTRANCE DOOR (L.M.I.)

ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL 33166
TEL. (786) 251-0204 FAX. (305) 385-7749

revisions:		
no	date	by description
A	08.23.12	REV. PER RER COMMENTS

date: 06-06-12
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W12-30

sheet 10 of 10

COVER SHEET

Wind Pressure Calculations

Project:

1100 15th St

Miami Beach, FL 33139

B1401230

INFINITY ENGINEERING

Infinity Engineering Services, Inc.

14746 SW 60 St
Miami, FL 33193
Tel: 786-287-3922

www.InfinityEng.us
CA# 26963



Michael Brito, PhD, PE
PE# 66360

DESIGN WIND PRESSURE FOR WALL COMPONENTS & CLADDING

ASCE 7-10 (C&C < 60 ft)

Wind speed (mph) $V = 175 \cdot mph$

Mean Roof Height $h = 20 \cdot ft$

Risk_Category := "II"

Exposure_Category = "D"

$K_{zt} = 1.00$ $K_d = 0.85$ $K_z = 1.08$

$q_z := 0.6 \cdot 0.00256 \cdot K_z \cdot K_{zt} \cdot K_d \cdot V^2 \cdot \frac{lb}{ft^2} = 43.31 \cdot psf$

WALL PRESSURES

	Zone 4			Zone 5	
A_j =	$P4p_j$ =		$P4n_j$ =	$P5p_j$ =	$P5n_j$ =
1.00	51.1	·psf	-55.4 ·psf	51.1	·psf -68.4 ·psf

FIND DISTANCE "a":

Length of Building (ft): $L := 45 \cdot ft$

Width of Building (ft): $w := 150 \cdot ft$

$a_0 := \min[(0.1 \cdot \min(w, L)), (0.4 \cdot h)] = 4.50\,ft$

$a := \max[(3 \cdot ft), a_0, 0.04 \cdot \min(w, L)] = 4.50\,ft$

DISTANCE "a" (ft):

$a = 4.50\,ft$

B40125

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Mr. Glass Doors & Windows, Inc.
7440 N. W. 66 Street
Miami, FL. 33166

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 RER-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. RER 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: Series "MG-500" Aluminum Outswing French Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W11-40**, titled "Series MG-500 Alum. Outswing French Door (L.M.I.)", sheets 1 through 10.1 of 11, dated 07/20/11, prepared by AL-Farooq Corporation, with revision "A" dated 03/29/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Renewal 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 Resistant

LIMITATION:

1. The Single Door with Transom is limited to Maximum Design Pressure, DP = ± 90 PSF;
2. Only Single Door w/ High Threshold option Items E-2B (part no. ES-9026) including E-2C (part no. ES-9027) is rated for external positive +120 PSF Water Resistant Rating.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION 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 No. 12-0517.23** and 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 **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

NOA No. 13-0820.12
Expiration Date: October 13, 2018
Approval Date: September 19, 2013

Mr. Glass Doors & Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under previous NOA No. 11–0720.10)
2. Drawing No. **W11–40**, titled "Series MG–500 Alum Outswing French Door (L.M.I.)", sheets 1 through 10.1 of 11, dated 07/20/11, prepared by AL–Farooq Corporation, with revision "**A**" dated 03/29/12, signed and sealed by Javad Ahmad, P. E.
   (Submitted under previous NOA No. 12–0517.23)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202–94
   2) Large Missile Impact Test per FBC, TAS 201–94
   3) Cyclic Wind Pressure Loading per SFBC, PA 203–94
   along with marked–up drawings and installation diagram of a single (X) aluminum outswing door, issued by Fenestration Testing lab, Inc., Test Report No. **FTL–5992**, dated 09/09/09, re–issued on 02/02/11, signed and sealed by Marlin D. Brisson, P. E.
   (Submitted under previous NOA No. 11–0720.10)
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) 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 an Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–5554**, dated 05/10/08, signed and sealed by Carlos S. Rionda, P. E.
   (Submitted under previous NOA No. 10–0301.03)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202–94
   2) Large Missile Impact Test per FBC, TAS 201–94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   along with marked–up drawings and installation diagram of an Alum. Outswing Entrance Door, prepared by FTL, Inc., Test Report No. **FTL–5556**, dated 04/27/08, signed and sealed by Carlos S. Rionda, P. E.
   (Submitted under previous NOA No. 10–0301.03)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Al–Farooq Corporation, dated 01/08/10, 06/15/10, 11/02/10, 12/17/10 and last revised on 01/13/11, signed and sealed by Javad Ahmad, P. E.
   (Submitted under previous NOA No. 12–0517.23)
2. **Glazing complies with ASTM E1300–04**

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13–0820.12
Expiration Date: October 13, 2018
Approval Date: September 19, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13–0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and complying with **FBC–2010**, dated 08/07/13, signed, sealed and issued by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **FTL–5992**, dated 09/09/09, re–issued on 02/02/11, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Marlin D. Brinson, P. E.
   (Submitted under previous NOA No. 11–0720.10)
3. Proposal No. **09–0165** issued by Product Control, dated 07/02/09, signed by Ishaq Chanda, P. E.
   (Submitted under previous NOA No. 11–0720.10)
4. Laboratory compliance letters for Test Reports No.'s **FTL–5554**, dated 05/10/08 and **FTL–5556**, dated 04/27/08, both issued by Fenestration Testing Laboratory, Inc., both signed and sealed by Carlos S. Rionda, P. E.
   (Submitted under previous NOA No. 10–0301.03)
5. Proposal No. **07–4070** issued by Product Control, dated 02/22/08, signed by Ishaq Chanda, P. E.
   (Submitted under previous NOA No. 10–0301.03)

G. OTHERS

1. Notice of Acceptance No. **12–0517.23**, issued to Mr. Glass Doors & Windows, Inc. for their Series "**MG–500 Aluminum Outswing French Door – L.M.I.**", approved on 08/23/12 and expiring on 10/13/13.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13–0820.12
Expiration Date: October 13, 2018
Approval Date: September 19, 2013

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

SERIES MG500
ALUMINUM OUTSWING ENTRANCE DOOR

SEE CHARTS ON THIS SHEET FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.

SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.

DOORS CAN ALSO BE USED WITH SERIES MG5000 OR SERIES 9500 STOREFRONT SYSTEM UNDER SEPARATE APPROVAL.
FOR DOORS WITH STOREFRONT SYSTEM SEE SEPARATE NOA FOR DOOR MULLION CAPACITY AND ANCHORING REQUIREMENTS.

THE LOWEST VALUE RESULTING FROM DOOR CAPACITY CHARTS OR STOREFRONT NOA WILL APPLY TO ENTIRE SYSTEM.

DOORS ARE NOT APPROVED FOR INSTALLATION WHERE WATER RESISTANCE IS REQUIRED EXCEPT SINGLE DOORS USING ES-9026 (HIGH THRESHOLD OPTION) IS APPROVED FOR WATER INFILTRATION RESISTANCE.

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

1BY OR 2BY 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.

TABLE #1 — DOORS LOAD CAPACITY - PSF
SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)

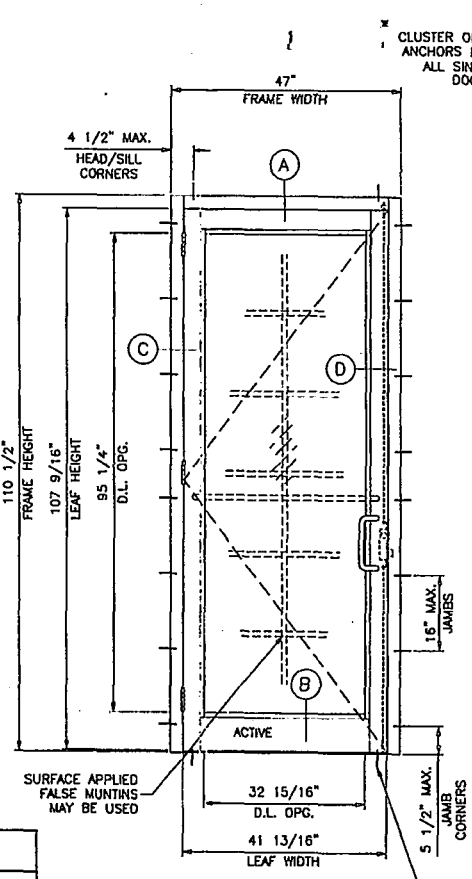
DOOR DIMS.		GLASS		LOCKS			HINGES	
		TYPE 'A'	TYPE 'B'/'C'	OPTION #1	OPTION #2	OPTION #3	OPTION #1	OPTION #2
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
40"	110-1/2"	80.0	120.0	80.0	90.0	120.0	80.0	120.0
47"	110-1/2"	80.0	120.0	80.0	90.0	120.0	80.0	120.0

SEE SHEET 8 FOR GLASS TYPES DESCRIPTION
SEE SHEET 9 FOR LOCKS AND HINGES DESCRIPTION

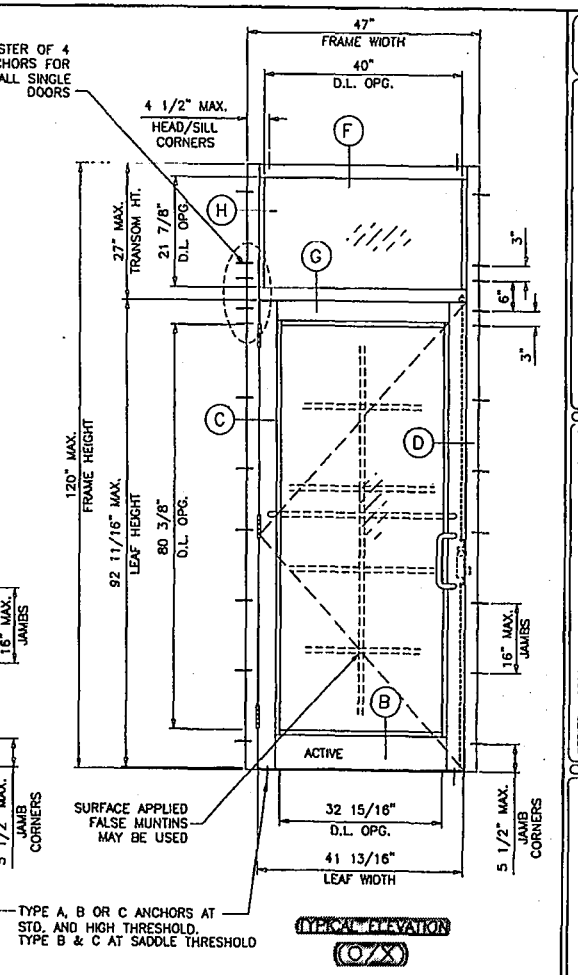
TABLE #2 — ANCHORS LOAD CAPACITY - PSF
SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)

DOOR DIMS.		1/2" SHIM SPACE		1/4" SHIM SPACE		
		ANCHOR TYPE 'B'	ANCHOR TYPE 'C'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'D'
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
40"	110-1/2"	102.0	120.0	109.0	120.0	120.0
47"	110-1/2"	87.0	115.0	93.0	117.0	120.0

SEE SHEET 3 FOR ANCHOR DESCRIPTION



TYPICAL ELEVATION
(X)



TYPICAL ELEVATION
(O/X)

PRODUCT REVISED
as complying with the Florida
Building Code 12-05|7.23
Acceptance No
Expiration Date 10/13/2013
By
Miami Dade Product Control

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

SINGLE DOORS WITH OR WITHOUT TRANSOMS USE CHARTS AS FOLLOWS FOR THE CORRESPONDING DOOR SIZE

1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE 1.
2- FOR ANCHORS TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE 2.
3- TRANSOMS FOR SINGLE DOORS ARE LIMITED TO ±90.0 PSF.
THE LOWEST VALUES FROM STEPS 1, 2 AND 3 WILL GOVERN.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
APR 25 2012

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0820.12
Expiration Date 10/13/2018
By
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (LMI.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:

no	date	by	description
A	03.29.12		UPDATED TO 2010 FBC

date: 07-15-11
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

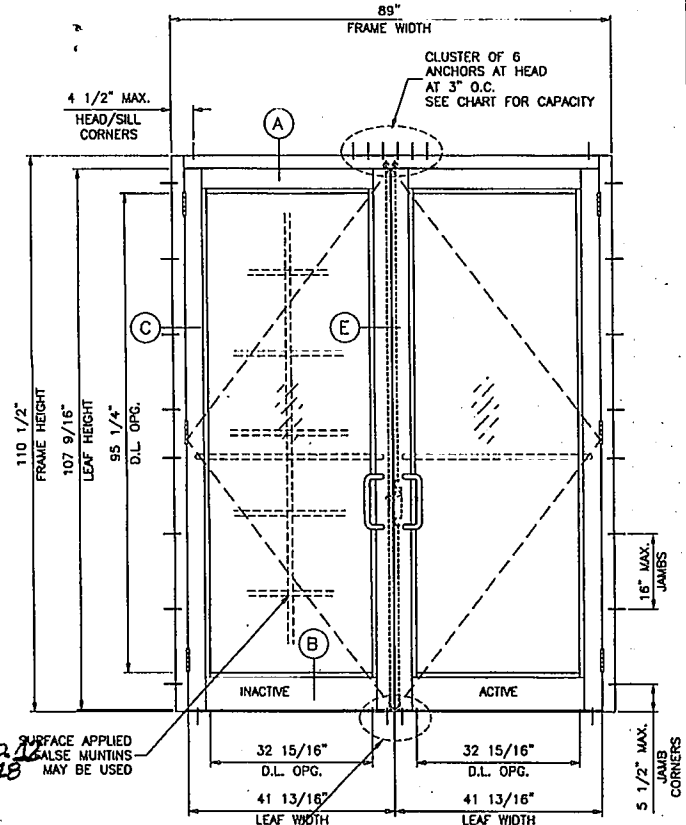
drawing no.
W11-40

sheet 1 of 10.1

DOUBLE DOORS WITH OR WITHOUT TRANSOMS
USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE

1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE 3.
2- FOR JAMB ANCHORS, TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE 4.
3- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE 5.
4- USE TYPE AA, BB OR CC ANCHORS AT SILL AS APPLICABLE. SEE SADDLE SILL ANCHOR CAPACITY - SEE TABLE 5A BELOW.

THE LOWEST VALUES FROM STEPS 1, 2, 3 AND 4 WILL GOVERN.



TYPICAL ELEVATION
(XX)

SEE SHEET 3 FOR ELEVATION (O/XX)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0820.12
Expiration Date 10/13/2018
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0517.23
Expiration Date 10/13/2013
By
Miami Dade Product Control

ANCHORS AT SILL
CLUSTER OF 4 AT 3" O.C.
TYPE 'A', 'B' OR 'C' AT STD. & HIGH THRESHOLD
TYPE 'B' OR 'C' AT SADDLE THRESHOLD
HEAD OR SILL ANCHORS MAY CONTROL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

TABLE #3 DOORS LOAD CAPACITY - PSF
DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX)

DOOR DIMS.		GLASS		LOCKS			HINGES	
		TYPE 'A'	TYPE 'B'/'C'	OPTION #1	OPTION #2	OPTION #3	OPTION #1	OPTION #2
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
[illegible]	[illegible]	[illegible]	90.0	80.0	90.0	90.0	80.0	90.0
89"	110-1/2"	80.0	80.0	80.0	80.0	80.0	80.0	90.0

SEE SHEET 8 FOR GLASS TYPES DESCRIPTION
SEE SHEET 9 FOR LOCKS AND HINGES DESCRIPTION

TABLE #4 JAMB ANCHORS LOAD CAPACITY - PSF
DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX)

DOOR DIMS.		1/2" SHIM SPACE		1/4" SHIM SPACE		
		ANCHOR TYPE 'B'	ANCHOR TYPE 'C'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'D'
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
75"	110-1/2"	90.0	90.0	90.0	90.0	90.0
89"	110-1/2"	87.0	90.0	90.0	90.0	90.0

SEE SHEET 3 FOR ANCHOR DESCRIPTION

TABLE #5 HEAD ANCHORS LOAD CAPACITY - PSF
DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX)

DOOR DIMS.		1/2" SHIM SPACE		3/8" SHIM SPACE			1/4" SHIM SPACE				
		ANCHOR TYPE 'B'	ANCHOR TYPE 'C'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'	ANCHOR TYPE 'D'
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
75"	98-1/2"	80.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
89"	98-1/2"	69.0	90.0	76.0	90.0	90.0	90.0	90.0	90.0	90.0
75"	110-1/2"	90.0	90.0	80.0	90.0	90.0	90.0	90.0	90.0	90.0
89"	110-1/2"	79.0	90.0	68.0	90.0	90.0	83.0	90.0	90.0	90.0

SEE SHEET 3 FOR ANCHOR DESCRIPTION

TABLE #5A SADDLE SILL ANCHORS LOAD CAPACITY - PSF
SINGLE OR DOUBLE DOORS WITH OR WITHOUT TRANSOMS

DOOR DIMS.		ANCHOR TYPE 'B'	ANCHOR TYPE 'C'
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
75"	98-1/2"	86.0	90.0
89"	98-1/2"	72.0	90.0
75"	110-1/2"	76.0	90.0
89"	110-1/2"	64.0	86.0

SEE SHEET 3 FOR ANCHOR DESCRIPTION

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
APR 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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TEL (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

SERIES-M6500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:			
no	date	by	description
A	03.29.12		NO CHANGE THIS SHEET

date: 07-15-11
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W11-40
sheet 2 of 10.1

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE WITH 1-3/8" EMBED)

DIRECTLY INTO C90 FILLED BLOCK (JAMBS ONLY)
WITH 1-1/4" MIN. EMBED INTO MASONRY

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B' 1/4" DIA KWIK CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE WITH 1-3/8" EMBED)

DIRECTLY INTO C90 FILLED BLOCK (JAMBS ONLY)
WITH 1-1/2" MIN. EMBED INTO MASONRY

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'C' 5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE WITH 1-3/8" EMBED

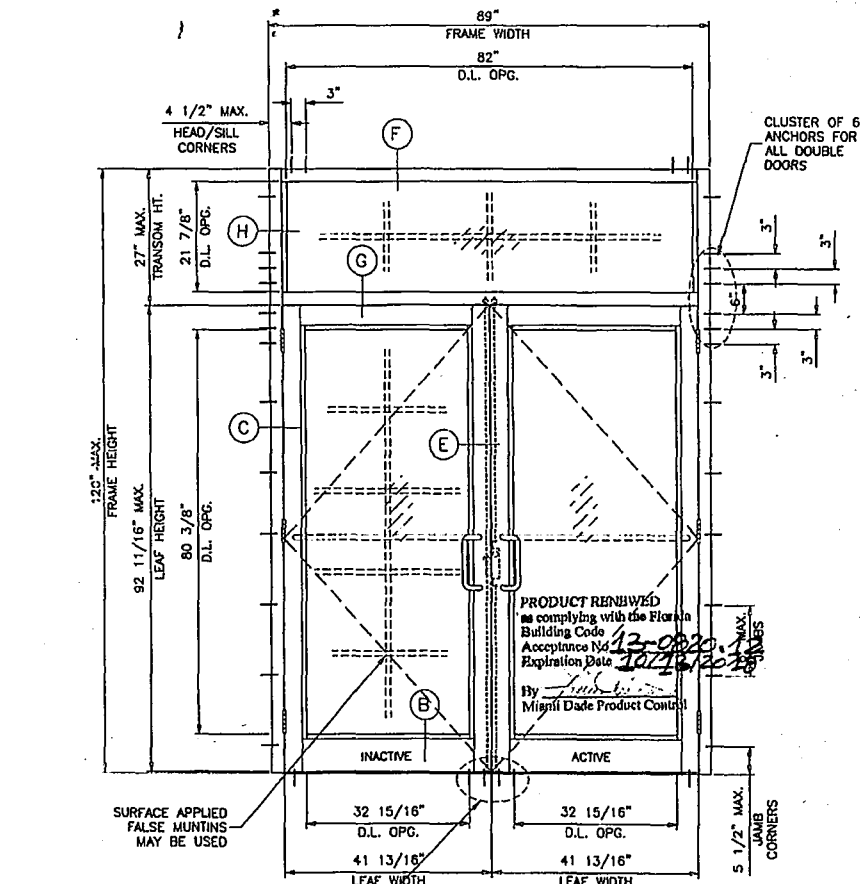
DIRECTLY INTO C90 FILLED BLOCK (JAMBS ONLY)
WITH 1-1/2" MIN. EMBED INTO MASONRY

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2-1/2" MIN. (AT HEAD/SILL)
INTO CONCRETE AND MASONRY = 2-3/4" MIN. (AT JAMBS)
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'D' (HEAD OR JAMB)
#14 SMS OR SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
D: INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



TYPICAL ELEVATION
(10/XXX)

SEE CHARTS ON SHEET 2 FOR DOOR AND TRANSOM LOAD CAPACITY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0517.23
Expiration Date 10/13/2013
By
Miami Dade Product Control

1x OR 2x WOOD BUCKS AND METAL STRUCTURES NOT BY MR. GLASS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr: JAVAD AHVAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

APR 25 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.L.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL (305) 470-8284 FAX. (305) 470-8285

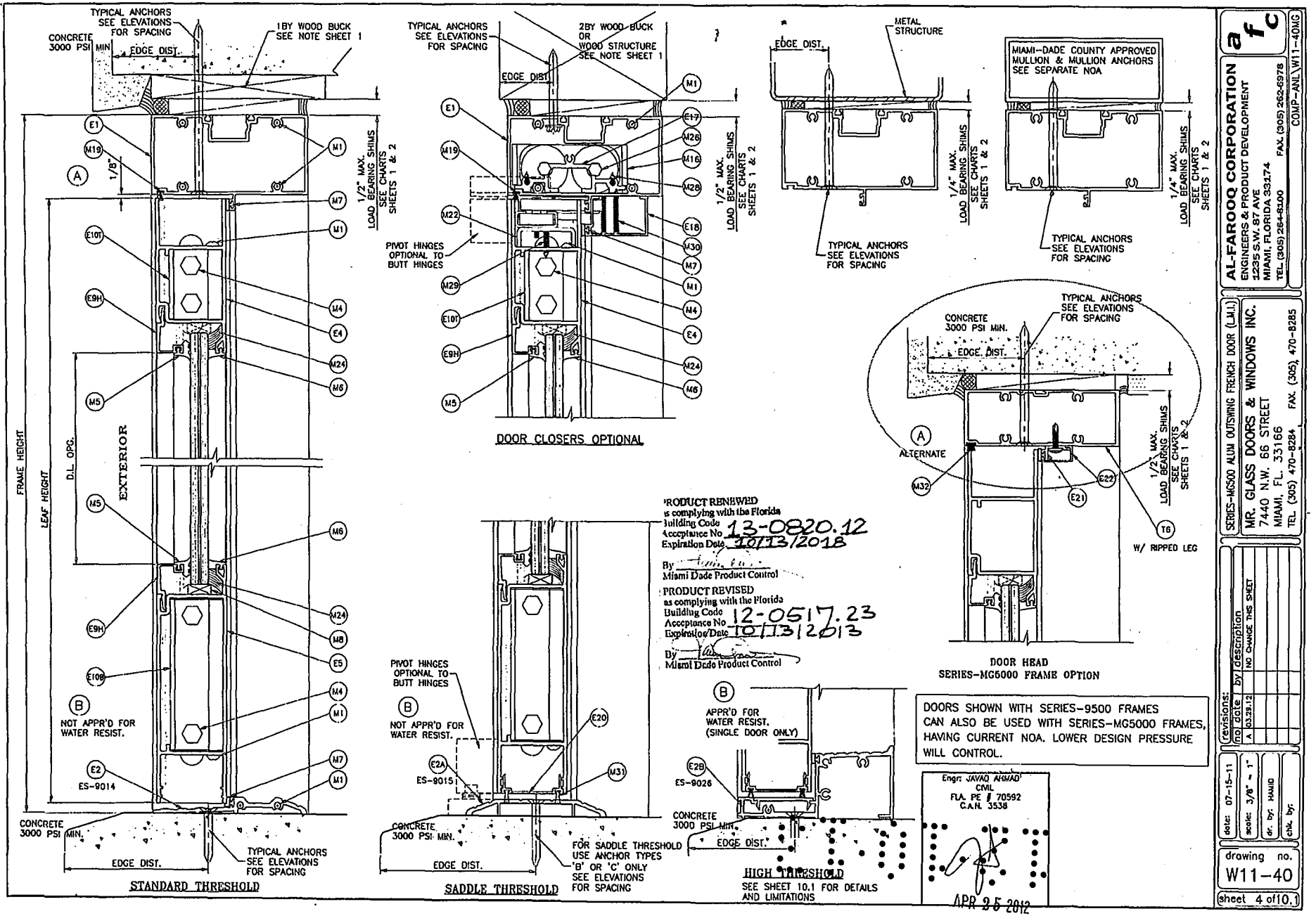
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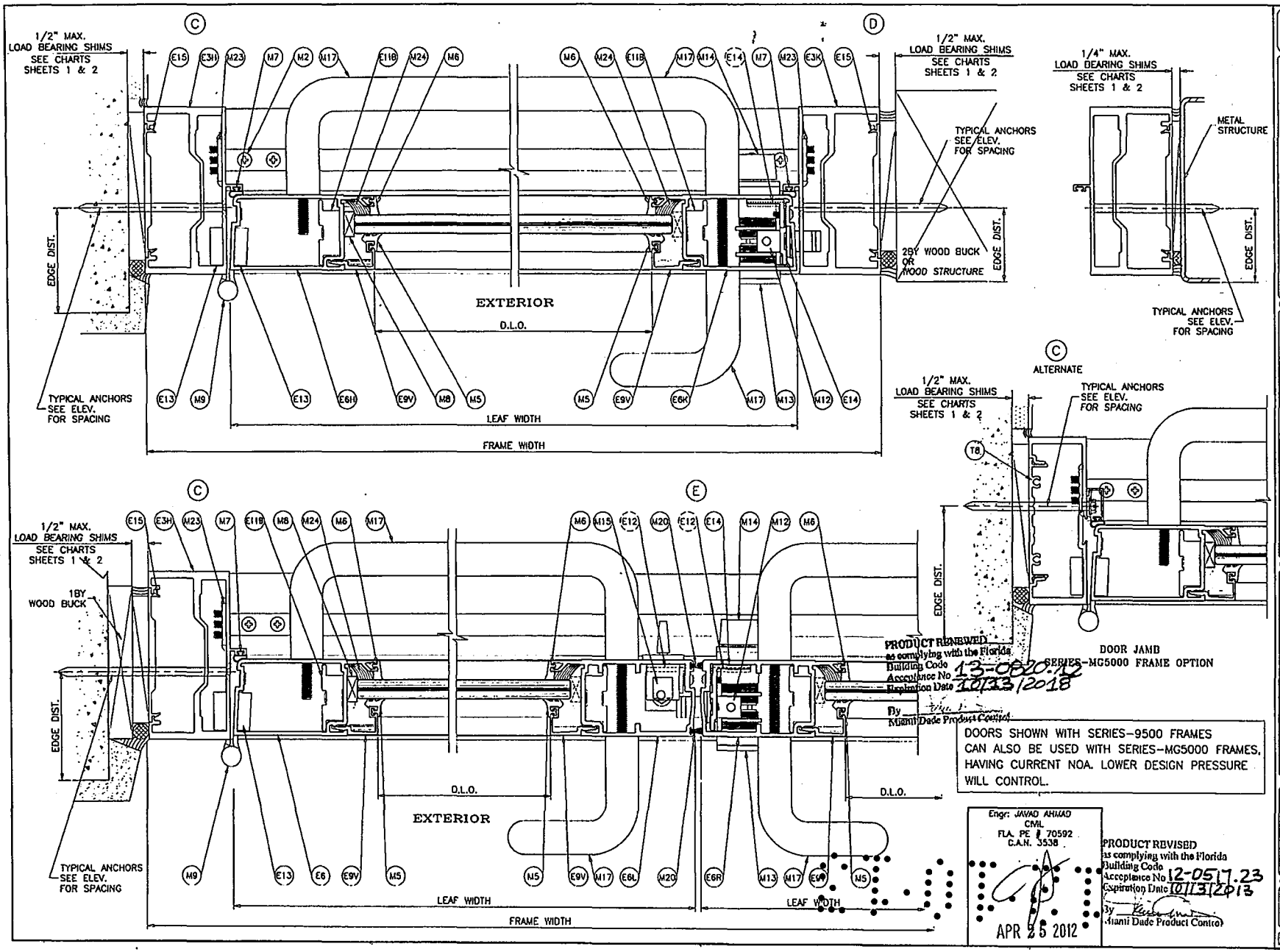
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dr. by: HAMID
chk. by:

drawing no.
W11-40

sheet 3 of 10.1


TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING
CONCRETE 3000 PSI MIN.
EDGE DIST.
1BY WOOD BUCK SEE NOTE SHEET 1
FRAME HEIGHT
LEAF HEIGHT
D.L. OPG.
EXTERIOR
1/8"
1/2" MAX. LOAD BEARING SHIMS SEE CHARTS SHEETS 1 & 2
NOT APPR'D FOR WATER RESIST.
ES-9014
CONCRETE 3000 PSI MIN.
EDGE DIST.
TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING
STANDARD THRESHOLD
2BY WOOD BUCK OR WOOD STRUCTURE SEE NOTE SHEET 1
PIVOT HINGES OPTIONAL TO BUTT HINGES
DOOR CLOSERS OPTIONAL
METAL STRUCTURE
1/4" MAX. LOAD BEARING SHIMS SEE CHARTS SHEETS 1 & 2
MIAMI-DADE COUNTY APPROVED MULLION & MULLION ANCHORS SEE SEPARATE NOA
PRODUCT RENEWED
is complying with the Florida Building Code
Acceptance No 13-0820.12
Expiration Date 10/13/2018
By Miami Dade Product Control
PRODUCT REVISED
as complying with the Florida Buildlng Code
Acceptance No 12-0517.23
Expiration/Date 10/13/2013
By Miami Dade Product Control
ALTERNATE
W/ RIPPED LEG
DOOR HEAD
SERIES-MG5000 FRAME OPTION
ES-9015
SADDLE THRESHOLD
FOR SADDLE THRESHOLD USE ANCHOR TYPES 'B' OR 'C' ONLY SEE ELEVATIONS FOR SPACING
APPR'D FOR WATER RESIST. (SINGLE DOOR ONLY)
ES-9026
HIGH THRESHOLD
SEE SHEET 10.1 FOR DETAILS AND LIMITATIONS
DOORS SHOWN WITH SERIES-9500 FRAMES CAN ALSO BE USED WITH SERIES-MG5000 FRAMES, HAVING CURRENT NOA. LOWER DESIGN PRESSURE WILL CONTROL.
Engr: JAVAQ AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538
APR 25 2012
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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TEL. (305) 264-8300 FAX. (305) 262-6978
COMP-ANL\W11-40MG
SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285
revisions:
no date by description
A 03.29.12 NO CHANGE THIS SHEET
date: 07-15-11
scale: 3/8" = 1"
dr. by: HAMID
chk. by:
drawing no. W11-40
sheet 4 of 10.1

END



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

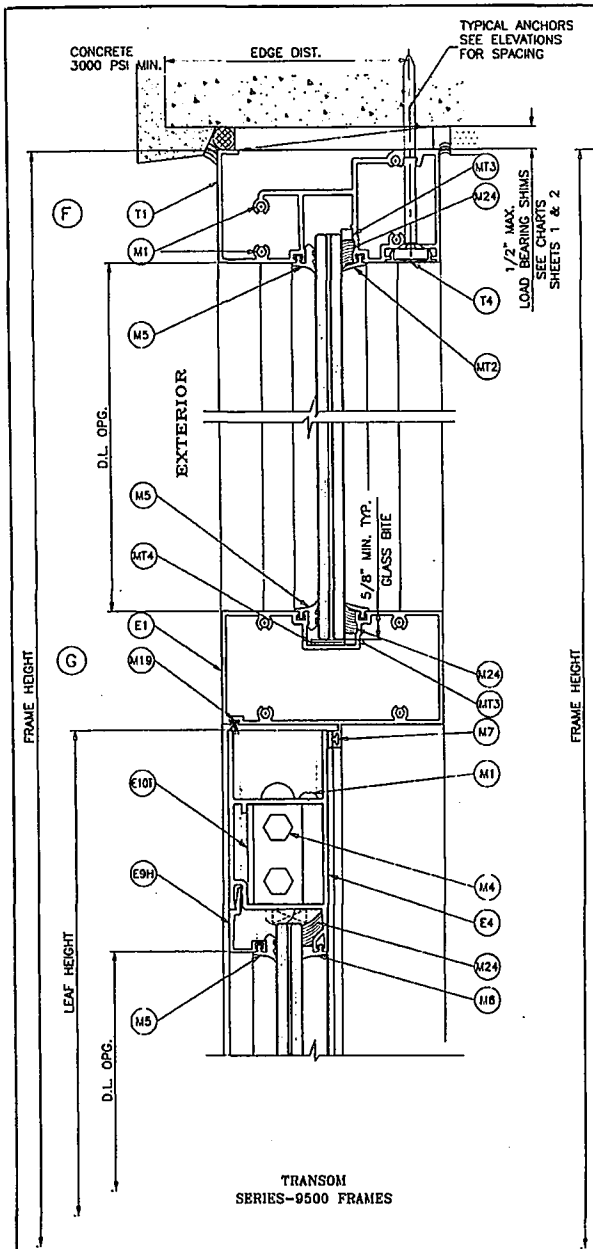
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chk. by:

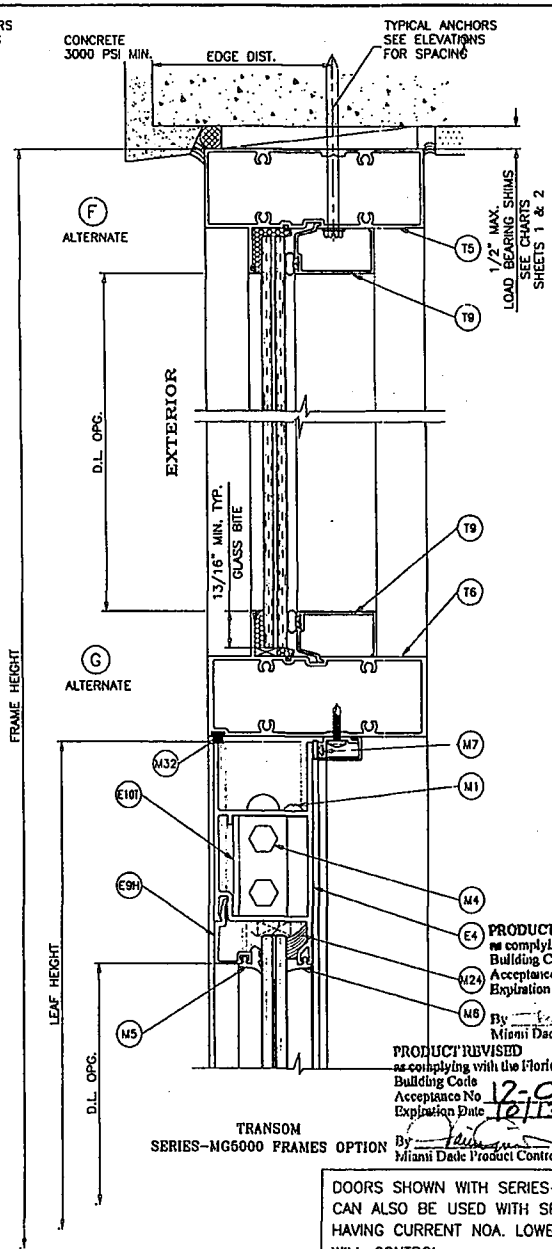
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sheet 5 of 10.1

END



TRANSOM
SERIES-9500 FRAMES

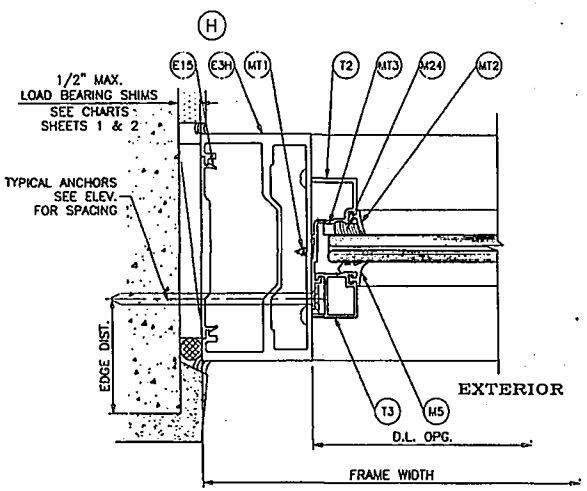


TRANSOM
SERIES-MG5000 FRAMES OPTION

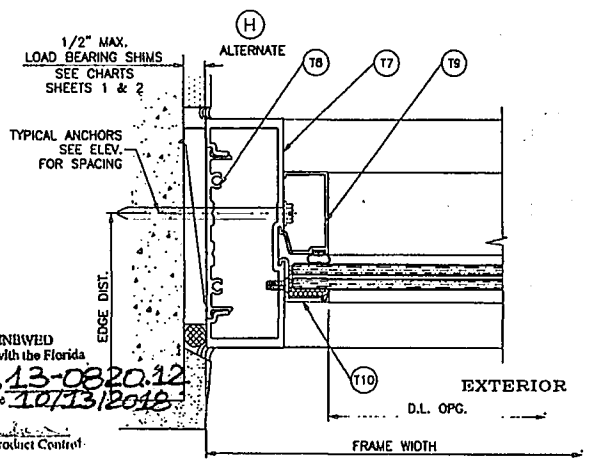
PRODUCT RENEWED
as complying with the Florida
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Acceptance No 13-0820.12
Expiration Date 10/13/2018
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
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Acceptance No 12-0517.23
Expiration Date 10/13/2013
By
Miami Dade Product Control

DOORS SHOWN WITH SERIES-9500 FRAMES CAN ALSO BE USED WITH SERIES-MG5000 FRAMES HAVING CURRENT NOA. LOWER DESIGN PRESSURE WILL CONTROL.



TRANSOM
SERIES-9500 FRAMES



TRANSOM JAMB
SERIES-MG5000 FRAMES OPTION

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
APR 25 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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COMP-ANL\W11-40MG

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

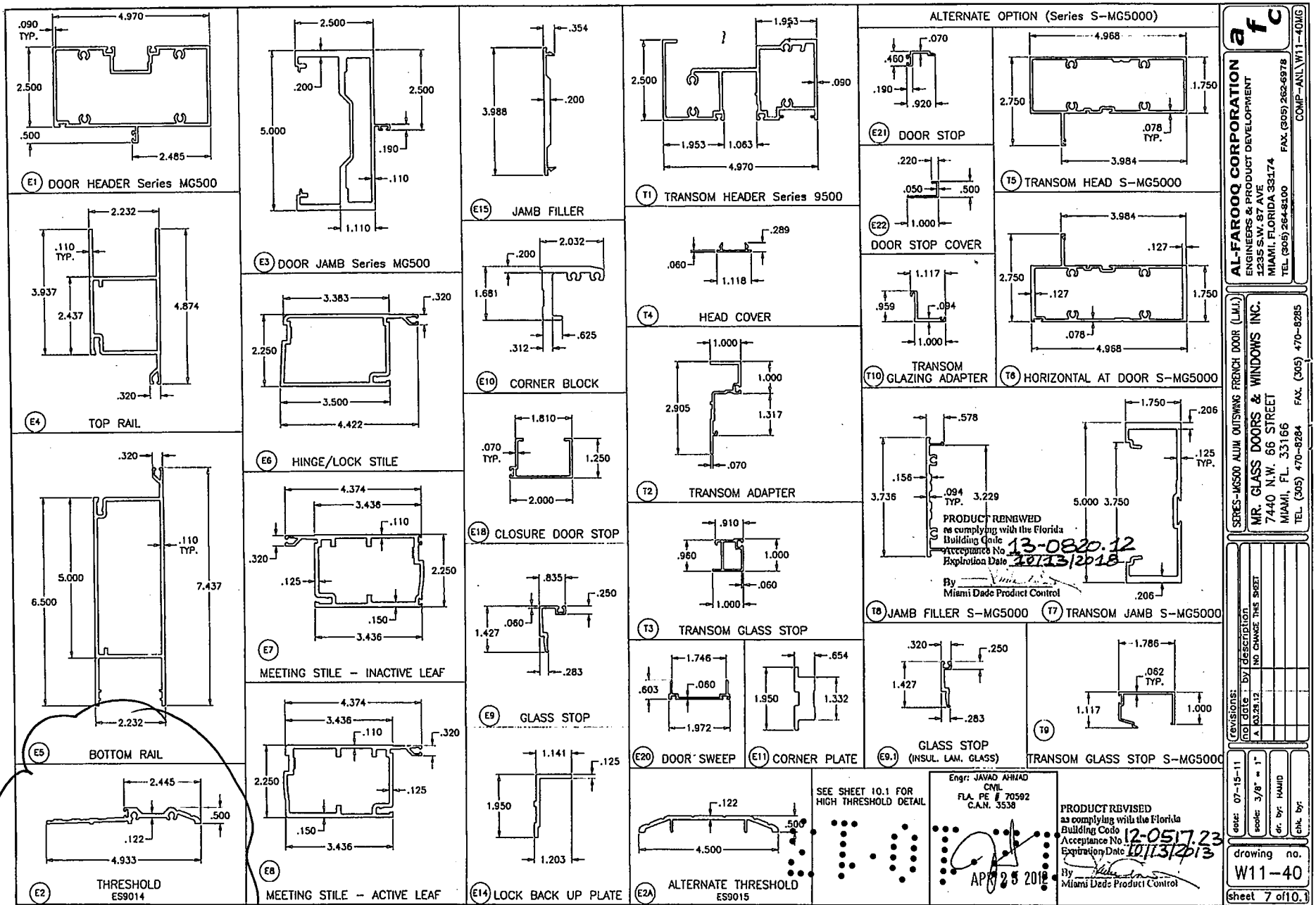
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dr. by: HAMID
chk. by:

drawing no.
W11-40

sheet 6 of 10.1



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

SERIES-MG500 ALUM. OUTSWING FRENCH DOOR (J.M.I.)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

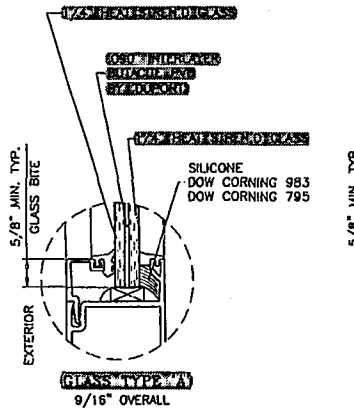
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chk. by:

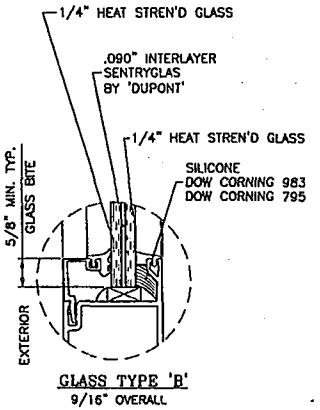
drawing no. W11-40
sheet 7 of 10.1

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES9012	1	DOOR HEADER	6063-T6	-
E2	ES9014	1	STANDARD THRESHOLD	6063-T6	-
E2A	ES9015	1	SADDLE THRESHOLD	6063-T6	-
E2B	ES-9026	1	HIGH THRESHOLD	6063-T6	-
E2C	ES-9027	1	THRESHOLD COVER	6063-T5	-
E3H	ES9013	2	DOOR JAMB - HINGE	6063-T6	-
E4	ES9001	2	TOP RAIL	6063-T5	-
E5	ES9002	2	BOTTOM RAIL	6063-T6	-
E6H	ES9003	2	HINGE/LOCK STILE	6063-T5	-
E7	ES9006	1	MEETING STILE - INACTIVE LEAF	6063-T5	-
E8	ES9007	1	MEETING STILE - ACTIVE LEAF	6063-T5	-
E9H	ES9004	4	HORIZONTAL GLASS STOP	6063-T5	-
E9V	ES9004	4	VERTICAL GLASS STOP	6063-T5	-
E9.1	ES-9029	4	GLASS STOP (INSUL. LAM. GLASS)	6063-T5	-
E10T	ES9008	4	CORNER BLOCK -TOP	6063-T5	-
E10B	ES9008	4	CORNER BLOCK - BOTTOM	6063-T5	-
E11T	ES9009	4	CORNER PLATE - TOP	6063-T5	-
E11B	ES9009	4	CORNER PLATE - BOTTOM	6063-T5	-
E12	ES9010	4	SUPPORT ANGLE	6063-T5	3/4" X 1" X 1/8" X 9" LONG
E13	ES9011	AS REQD.	HINGE BACKUP PLATE REINFORCEMENT	6063-T5	-
E14	ES9020	1	LOCK BACKUP PLATE REINFORCEMENT	6063-T5	-
E15	ES9016	AS REQD.	JAMB FILLER	6063-T6	-
E16	ES9017	AS REQD.	REINFORCEMENT	6063-T6	-
E17	ES9021	1/ CLOSER	CLOSER SUPPORT CLIPS (PAIR)	6063-T5	-
E18	ES9022	1	CLOSER DOOR STOP	6063-T5	-
E19	ES9023	1/ CLOSER	CLOSER COVER PLATE	6063-T5	-
E20	ES9005		DOOR SWEEP	-	-
E21	ES9051		DOOR STOP	-	-
E22	ES9052		DOOR STOP COVER	-	-
M1		28	#12 x 1" P.H. ST/ST SMS	-	-
M2		AS REQD.	#12 - 24 x 1/2" F.H. ST/ST MS	-	-
M3		18	#8 - 32 x 1/2" P.H. ST/ST MS	-	-
M4		16	3/8" - 16 x 1" HEX. BOLT	-	-
M5	ESMG500-G01	AS REQD.	WEDGE GASKET	EPDM	DUROMETER 70
M6	ESMG500-G02	AS REQD.	SPACER GASKET	EPDM	DUROMETER 70
M7	ESMG500-G03	AS REQD.	BULB VINYL, BASE-POLYPROPILENE, BULB-TPE	-	ULTRAFAB, DUROMETER 73
M8	ESMG500-B1	8	SETTING BLOCK	EPDM	DUROMETER 80
M9		AS REQD.	HINGE 4 1/2" x 4"	-	-
M9A		AS REQD.	OFFSET PIVOT HINGE	ALUMINUM	-
M12		1	3 POINT LOCK	-	-
M13		1	KEY CYLINDER	-	-
M14		1	THUMBTURN	-	-
M15		1	2 POINT LOCK	-	-
M16		1/ LEAF	DOOR CLOSURE	-	-
M17		2	PUSH - PULL	-	-
M19	W13273NK	AS REQD.	PILE - HEADER	-	-
M20	W23451NK	AS REQD.	PILE - MTG STILES	-	-
M22	-	1/ CLOSER	CHANNEL SPACER 5/8" X 1-3/4"	-	-
M23		2	THRESHOLD CLIP	-	-
M24		AS REQD.	STRUCTURAL SILICONE	-	-
M25		AS REQD.	SILICONE	-	-
M26		2/ CLOSER	1/4 - 20 x 2" HEX. BOLT	-	-
M27		3/ CLOSER	#10 x 1" P.H. ST/ST SMS	-	-
M28		6/ CLOSER	#10 x 3/4" F.H. ST/ST SMS	-	-
M29		3/ CLOSER	#10 x 1" F.H. ST/ST SMS	-	-
M30		AS REQD.	#8 x 1 1/2" F.H. ST/ST SMS	-	-
M31	W13351NK	AS REQD.	PILE - DOOR SWEEP	-	-
M32	W13275NK	AS REQD.	PILE - HEADER	-	-

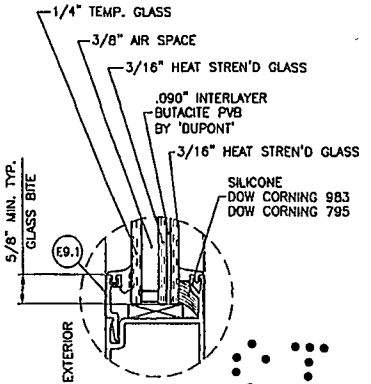
ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
T1	ES9506		TRANSOM HEADER Series 9500	6063-T6	-
T2	ES9019		TRANSOM ADAPTER	6063-T5	-
T3	ES9018		TRANSOM GLASS STOP	6063-T5	-
T4	ES9502		HEAD COVER	6063-T5	-
MT1			#10 x 1/2" F.H. ST/ST SMS	-	-
MT2			TRIM GASKET	SILICONE	-
MT3			INTERIOR SPACER 1/4" x 1/4"	FOAM	-
MT4			SETTING BLOCKS 1/16" x 3/4"	EPDM	DUROMETER 65
T5	ES8005	AS REQD.	TRANSOM HEAD S-MG5000	6005-T6	-
T6	ES8013	AS REQD.	HORIZONTAL AT DOOR S-MG5000	6005-T6	-
T7	ES8012	AS REQD.	TRANSOM JAMB S-MG5000	6005-T6	-
T8	ES8003	AS REQD.	JAMB FILLER S-MG5000	6005-T5	-
T9	ES8006	AS REQD.	TRANSON GLASS STOP S-MG5000	6063-T5	-
T10	ES8014	AS REQD.	TRANSOM GLAZING ADAPTER	6063-T6	-



GLASS TYPE 'A'
9/16" OVERALL



GLASS TYPE 'B'
9/16" OVERALL



GLASS TYPE 'C'
1-1/8" OVERALL

GLAZING OPTIONS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0820.12
Expiration Date 10/13/2018
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
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Expiration Date 10/13/2013
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Engr: JAVAD AHMAD
CIVIL
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APR 26 2012

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-9100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (LAM.)

MR. GLASS DOORS & WINDOWS INC.
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revisions:

no	date	by	description
A	03.29.12		SILICONE REV.

date: 07-15-11
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W11-40

sheet 8 of 10.1

LOCKS: (See Table #1 or #3 for Load Capacities)

OPTION #1:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'JACKSON PANIC SYSTEM' #1285 LOCATED AT 41"
FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

OR

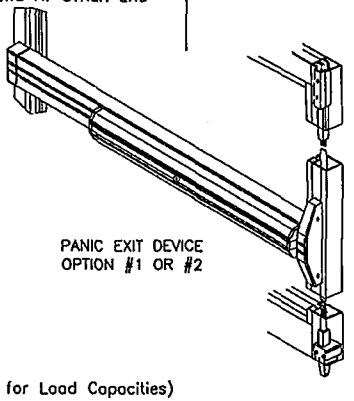
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'ADAMS RITE' LOCATED AT 40" FROM SILL
AT EACH LEAF.
FASTENED WITH
(2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
(2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END

OPTION #2:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'JACKSON PANIC SYSTEM' #2086 LOCATED AT 41"
FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'DOR-O-MATIC' LOCATED AT 40" FROM SILL
AT EACH LEAF.
FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS AT ONE END



PANIC EXIT DEVICE
OPTION #1 OR #2

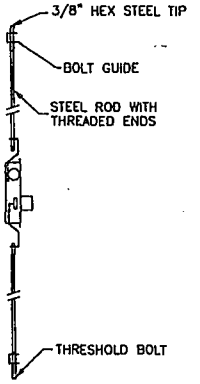
OPTION #3:

ACTIVE LEAF:

KEY OPERATED THREE POINT LOCK SYSTEM BY
'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP &
BOTTOM OF LOCK STILE AND A THUMB TURN ON THE
INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:

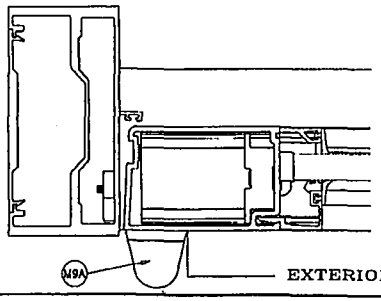
MANUALLY OPERATED TWO POINT LOCK SYSTEM BY
'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP &
BOTTOM OF LOCK STILE AND A THUMB TURN ON THE
INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
FASTENED WITH
(2) #8-32 X 1/4" PH MACHINE SCREWS



HINGES: (See Table #1 or #3 for Load Capacities)

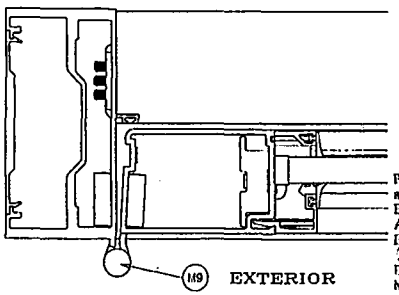
OPTION #1:

OFFSET PIVOT HINGES
ALUMINUM AT TOP AND BOTTOM
FASTENED TO FRAME AND THRESHOLD WITH
#10-24 X 1/2" FH THREAD CUTTING SCREWS
(2) AT THRESHOLD, (2) AT JAMB BOTTOM
(3) AT FRAME HEAD
HEAVY DUTY BRASS OR BRONZE AT MIDSPAN
FASTENED TO FRAME AND LEAF WITH
(4) 1/4-20 X 5/8" MS



OPTION #2:

4 X 4-1/2" ST. STEEL BALL BEARING BUTT HINGES
LOCATED AT
11" FROM TOP & BOTTOM AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP



PRODUCT RENEWED
as complying with the Florida
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as complying with the Florida
Building Code
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By
Miami Dade Product Control

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

APR 25 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-40MG

SERIES-MG300 ALUM OUTSWING FRENCH DOOR (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:

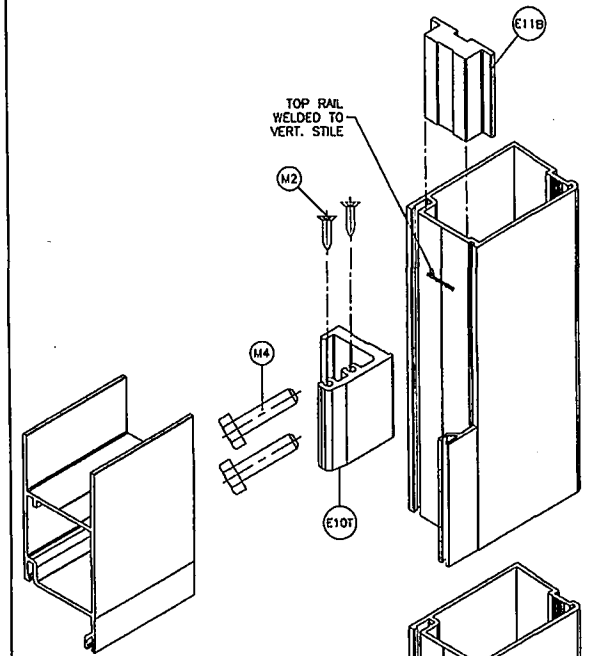
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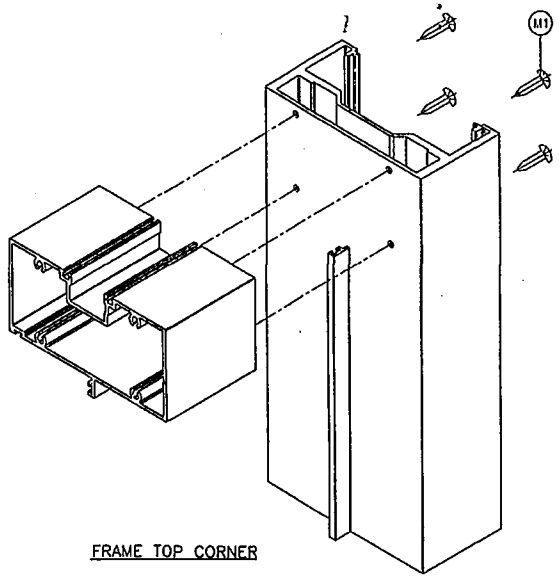
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dr. by: HAMID
chk. by:

drawing no.
W11-40

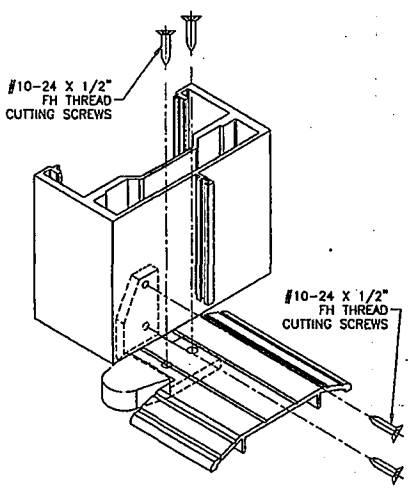
sheet 9 of 10.1

3NO

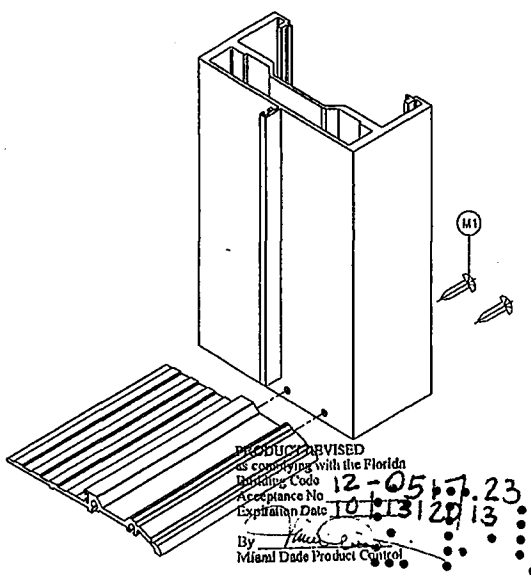




FRAME TOP CORNER

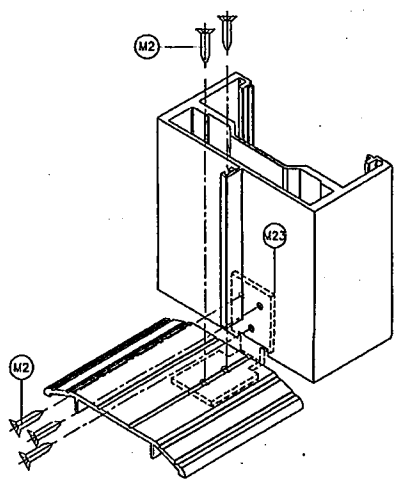


PIVOT THRESHOLD CORNER



THRESHOLD CORNER

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0517.23
Expiration Date 10/13/2013
By
Miami Dade Product Control



THRESHOLD CORNER

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
APR 05 2012

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 13-0820.12
Expiration Date 10/13/2018
By
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W11-40MG

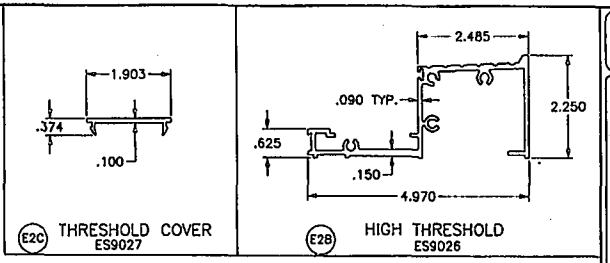
SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL (305) 470-8284 FAX. (305) 470-8285

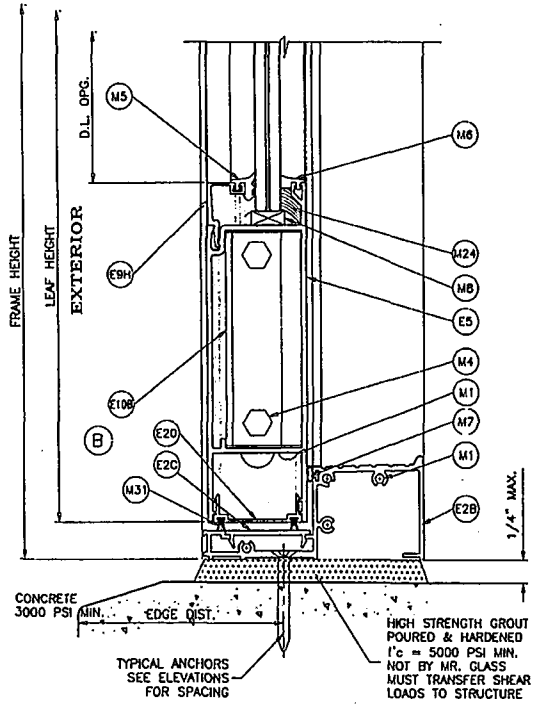
revisions:

no	date	by	description
A	03.29.12		NO CHANGE THIS SHEET

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scale: 3/8" = 1'
dr. by: HAMID
chk. by:

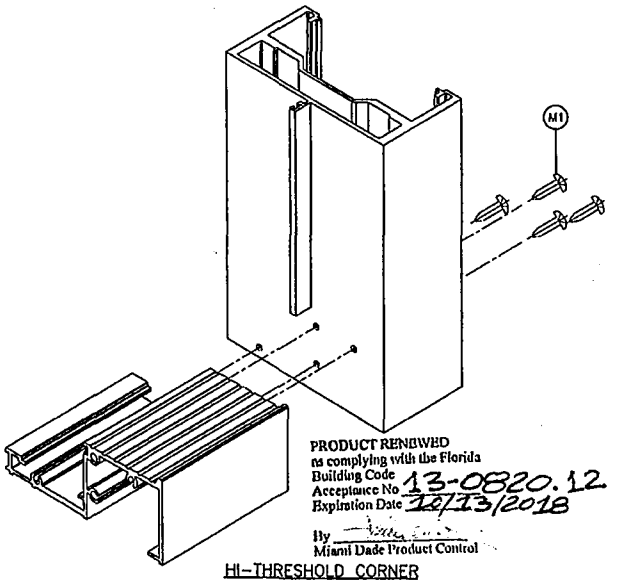
drawing no.
W11-40
Sheet 10 of 10.





HIGH THRESHOLD OPTION

APPROVED FOR WATER RESISTANCE WHEN USED WITH SINGLE DOORS
NOT APPROVED FOR WATER RESISTANCE WHEN USED WITH DOUBLE DOORS



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0820.12
Expiration Date 12/13/2018
By
Miami Dade Product Control

HI-THRESHOLD CORNER

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0517.23
Expiration Date 12/13/2018
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA PE # 70592
C.A.N. 3538
APR 25 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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SERIES-WG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
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TEL (305) 470-8284 FAX. (305) 470-8285

revisions:		
no	date	by description
A	03.28.12	NO CHANGE THIS SHEET

date: 07-15-11
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W11-40

sheet 10.1 of 10.1

END

B140215

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Mr. Glass Doors & Windows, Inc.
7440 NW 66th Street
Miami, FL 33166

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 RER - 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. RER 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: Series "MG5000" Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W11-39**, titled "Series MG5000 Alum. Window Wall System (L.M.I.)", sheets 1 through 12 of 12, dated 07/15/11, with revision A dated 03/05/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

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, model/series, 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# 12-0328.06** and 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.**

MIAMI-DADE COUNTY APPROVED

3/5/13

NOA No. 13-0107.03
Expiration Date: April 03, 2018
Approval Date: March 14, 2013

Mr. Glass Doors & Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W11-39**, titled "Series MG5000 Alum Window Wall System (I..M.I.)" Sheets 1 through 12 of 12, dated 07/15/11, with revision A dated 03/05/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
   (Submitted under previous NOA#12-0328.06)

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 an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5447**, dated 12/19/07, signed and sealed by Michael R. Wenzel, P.E.
   (Submitted under previous NOA # 08-1114.16)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and FBC 2007, prepared by Al–Farooq Corporation, dated 09/02/08, signed and sealed by Humayoun Farooq, P.E.
   (Submitted under previous NOA#11-0720.09)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co.**, Inc. for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11–0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont Butacite® PVB Interlayer"** dated 09/08/11, expiring on 12/11/16.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0107.03
Expiration Date: April 03, 2018
Approval Date: March 14, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

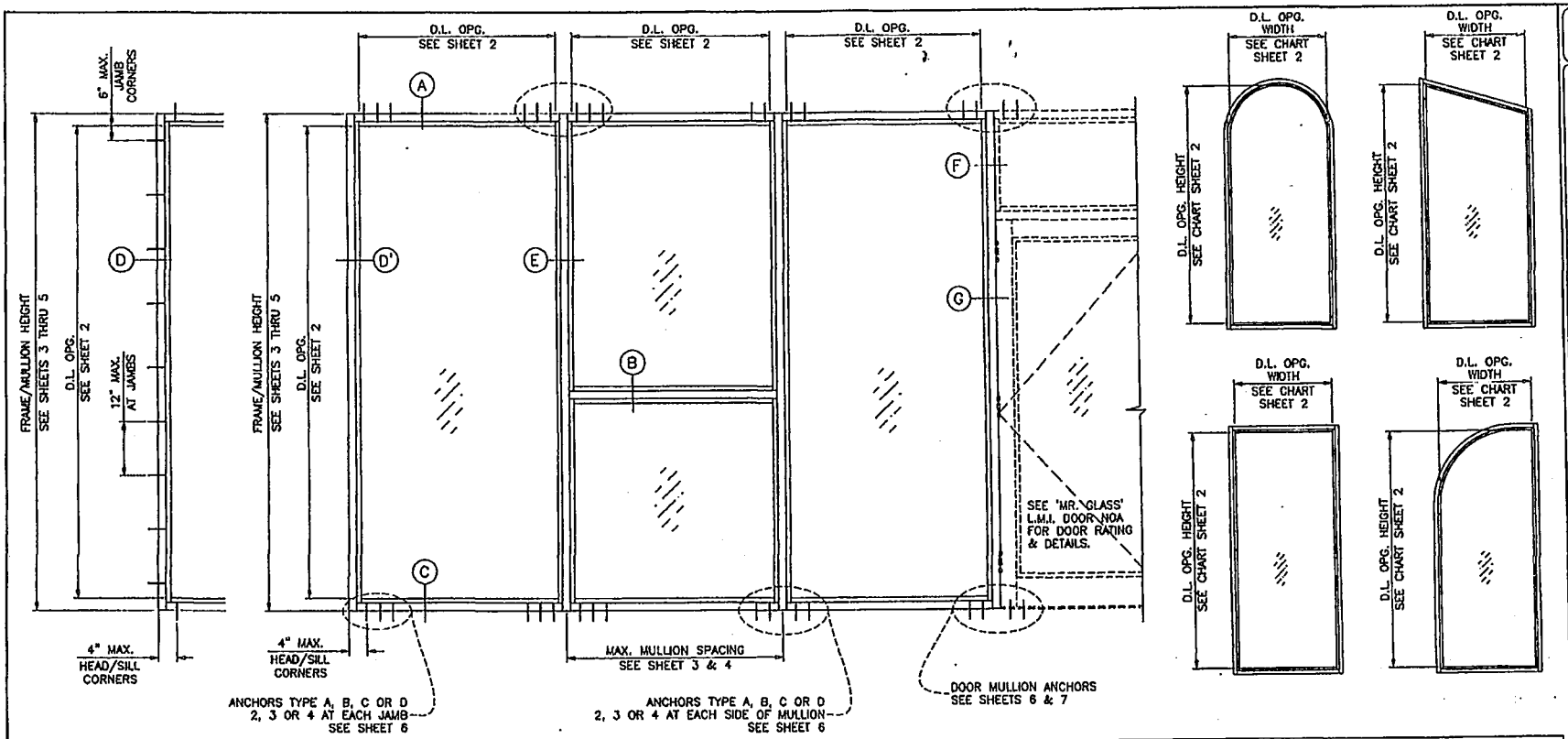
F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, dated December 19, 2012, signed and sealed by Javad Ahmad, P.E.
2. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 05, 2012, signed and sealed by Javad Ahmad, P.E. ***(Submitted under previous NOA#12-0328.06)***

G. OTHER

1. Notice of Acceptance No. **12-0328.06**, issued to Mr. Glass Doors & Windows, Inc. for their Series "MG5000" Aluminum Window Wall System – L.M.I., approved on 06/07/12 and expiring on 04/03/13.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0107.03
Expiration Date: April 03, 2018
Approval Date: March 14, 2013



TYPICAL ELEVATION

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES. SINGLE LITES MAY BE INSTALLED VERTICALLY AS SHOWN ABOVE OR HORIZONTALLY.

SERIES MG5000 ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT
SHUTTERS ARE NOT REQUIRED.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2 SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3 CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 THRU 7 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4 USING CHARTS ON SHEETS 6 & 7 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5 THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
LARGE MISSILE IMPACT

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 12-0107.03
Expiration Date April 3 2018
By Manuel Perez
Miami-Dade Product Control

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0328.06
Expiration Date APRIL 3, 2013
By Manuel Perez
Miami-Dade Product Control

MAR-07-2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W11-39MG

SERIES MG5000 ALUM. WINDOW WALL SYSTEM (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:

no	date	by	description
A	03.05.12		UPDATED TO 2010 FBC

date: 07-15-11
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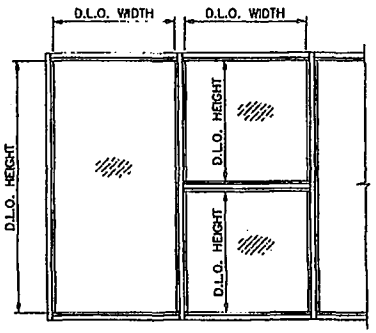
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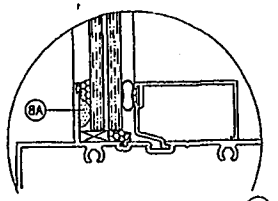
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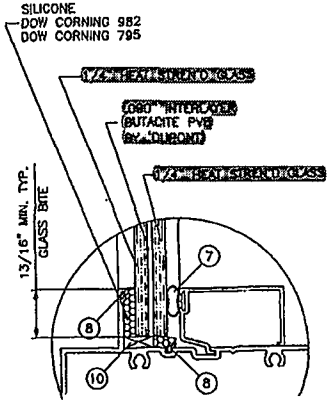
GLASS LOAD CAPACITY – PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)/INT.(–)	EXT.(+)/INT.(–)
[illegible]		[illegible]	130.0
32"		80.0	130.0
36"		80.0	130.0
40"	[illegible]	80.0	130.0
44-1/4"		80.0	130.0
48"		80.0	130.0
52"		80.0	130.0
56-1/4"		80.0	130.0
28"		80.0	130.0
32"		80.0	130.0
36"		80.0	130.0
40"	90-1/2"	80.0	130.0
44-1/4"		80.0	130.0
48"		80.0	130.0
52"		80.0	130.0
28"		80.0	130.0
32"		80.0	130.0
36"		80.0	130.0
40"	96-1/2"	80.0	130.0
44-1/4"		80.0	130.0
48"		80.0	130.0
52"		80.0	127.2
28"		80.0	130.0
32"		80.0	130.0
36"		80.0	130.0
40"	102-1/2"	80.0	130.0
44-1/4"		80.0	130.0
48"		80.0	128.9
28"		80.0	130.0
32"		80.0	130.0
36"	108-1/2"	80.0	130.0
40"		80.0	130.0
44-1/4"		80.0	130.0
[illegible]		[illegible]	130.0
[illegible]		[illegible]	130.0
[illegible]	[illegible]	[illegible]	130.0
[illegible]		[illegible]	130.0
[illegible]		[illegible]	130.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS).

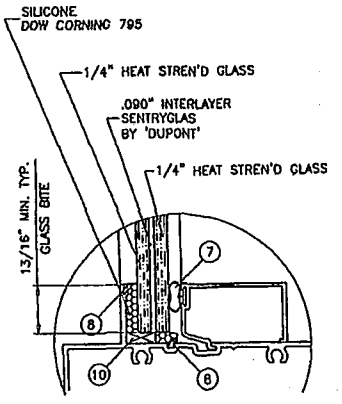




ALTERNATE BUTTON BUMPER (8A)
IN LIEU OF VINYL SPACER (8)



GLASS TYPE (A)



GLASS TYPE 'B'

GLAZING OPTIONS

GLASS

PRODUCT RENEWED
as complying with the Florida
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Expiration Date April 3, 2018
By [signature]
Miami-Dade Product Control

PRODUCT REVISED
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Expiration Date APR 15, 2013
By [signature]
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MAR 07 2012

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STORE W11-39MG

SERIES MG5000 ALUM WINDOW WALL SYSTEM (LAM.)

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revisions:
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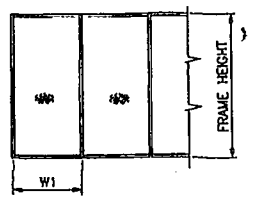
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chk. by:

drawing no.
W11-39
sheet 2 of 12

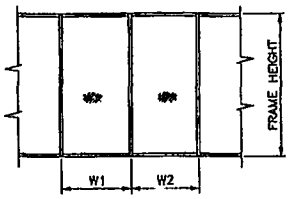
MULLION LOAD CAPACITY - PSF
MULLIONS WITHOUT INTERMEDIATE HORIZONTALS

NOMINAL DIMS.		JAMB 'J1' MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J2' JAMB 'J3' MULL 'M3'	JAMB 'J3' MULL 'M4'	UNANCHORED JAMB OPTIONS MULL OPTIONS
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
30"		130.0	130.0	130.0	130.0	
36"		130.0	130.0	130.0	130.0	
42"		130.0	130.0	130.0	130.0	
48"		130.0	130.0	130.0	130.0	
54"		130.0	130.0	130.0	130.0	
60"		130.0	130.0	130.0	130.0	
30"		130.0	130.0	130.0	130.0	
36"		130.0	130.0	130.0	130.0	
42"	90"	130.0	130.0	130.0	130.0	
48"		130.0	130.0	130.0	130.0	
54"		121.7	130.0	130.0	130.0	
60"		113.7	130.0	130.0	130.0	
30"		130.0	130.0	130.0	130.0	
36"		130.0	130.0	130.0	130.0	
42"	96"	119.9	130.0	130.0	130.0	
48"		107.5	130.0	130.0	130.0	
54"		98.4	130.0	127.9	130.0	
60"		91.5	130.0	118.4	130.0	
30"		130.0	130.0	130.0	130.0	
36"		126.4	130.0	130.0	130.0	
42"	98-1/2"	110.5	130.0	130.0	130.0	
48"		99.0	130.0	130.0	130.0	
54"		90.5	130.0	120.8	130.0	
58"		85.9	130.0	114.4	130.0	
30"		130.0	130.0	130.0	130.0	
36"		113.4	130.0	130.0	130.0	
42"	102"	99.0	130.0	130.0	130.0	
48"		88.8	130.0	123.2	130.0	
54"		80.7	129.9	111.8	130.0	
56"		78.6	126.4	108.7	129.9	
30"		112.4	130.0	130.0	130.0	
36"		95.0	130.0	130.0	130.0	
42"	108"	82.8	130.0	122.5	130.0	
48"		73.8	118.8	106.9	130.0	
53"		66.1	109.8	100.2	119.7	
30"		104.8	130.0	130.0	130.0	
36"		88.5	130.0	130.0	130.0	
42"	110-1/2"	77.1	123.9	116.8	130.0	
48"		68.7	110.5	103.7	124.0	
52"		64.3	103.4	96.9	115.8	
30"		95.3	130.0	130.0	130.0	
36"		80.4	129.3	126.1	130.0	
42"	114"	69.9	112.5	109.4	130.0	
48"		62.3	100.1	97.1	116.0	
50"		60.1	96.7	93.7	112.0	
30"		81.5	130.0	130.0	130.0	
36"		68.8	110.4	113.5	130.0	
42"	120"	59.6	95.9	98.3	117.5	
48"		53.0	85.2	87.1	104.1	

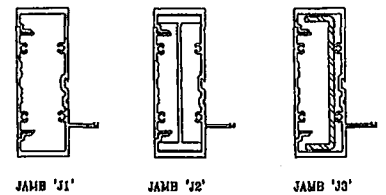
NOTE:
INTERPOLATION BETWEEN WIDTHS ALLOWED.

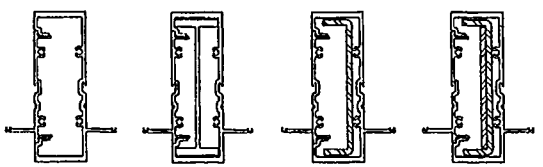


WIDTH (W) = W1
AT FRAME JAMB



WIDTH (W) = $\frac{W1 + W2}{2}$
AT FRAME MULLION





MULLIONS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3530

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0107.03
Expiration Date April 4, 2018
By Manuel Perez
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0328.06
Expiration Date APRIL 2, 2013
By Manuel Perez
Miami-Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W11-39MG

SERIES WS5000 ALUM WINDOW WALL SYSTEM (LMI)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:
no. date | by | description
A 10.05.12 | | NO CHANGE THIS SHEET

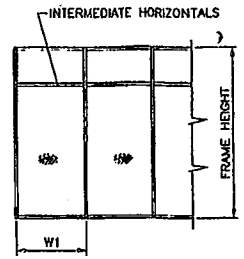
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scale: -
dr. by: HAMID
chk. by:

drawing no.
W11-39

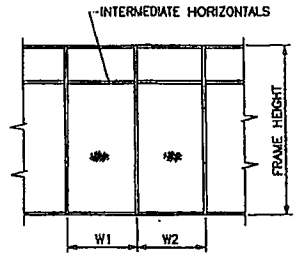
sheet 3 of 12

MULLION LOAD CAPACITY - PSF
MULLIONS WITH INTERMEDIATE HORIZONTALS

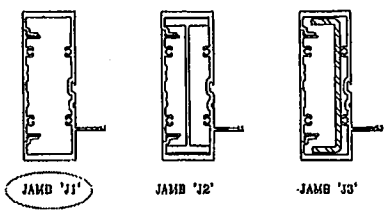
NOMINAL DIMS.		JAMB "J1" MULL "M1"	JAMB "J1" MULL "M2"	JAMB "J2" JAMB "J3" MULL "M3"	JAMB "J3" MULL "M4"	UNANCHORED JAMB OPTIONS MULL OPTIONS
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
30"	78"	130.0	130.0	130.0	130.0	
36"		130.0	130.0	130.0	130.0	
42"		130.0	130.0	130.0	130.0	
48"		130.0	130.0	130.0	130.0	
54"		130.0	130.0	130.0	130.0	
60"		130.0	130.0	130.0	130.0	
30"	90"/96"	130.0	130.0	130.0	130.0	
36"		130.0	130.0	130.0	130.0	
42"		130.0	130.0	130.0	130.0	
48"		130.0	130.0	130.0	130.0	
54"		116.1	130.0	130.0	130.0	
60"		108.3	130.0	127.2	130.0	
30"	90"	130.0	130.0	130.0	130.0	
36"		130.0	130.0	130.0	130.0	
42"		130.0	130.0	130.0	130.0	
48"		118.0	130.0	130.0	130.0	
54"		104.9	130.0	130.0	130.0	
60"		94.4	130.0	117.5	130.0	
30"	96"	130.0	130.0	130.0	130.0	
36"		129.8	130.0	130.0	130.0	
42"		111.1	130.0	130.0	130.0	
48"		97.2	130.0	129.0	130.0	
54"		86.4	130.0	114.7	130.0	
60"		77.8	125.1	103.2	123.4	
30"	96-1/2"	130.0	130.0	130.0	130.0	
36"		120.0	130.0	130.0	130.0	
42"		102.8	130.0	130.0	130.0	
48"		90.0	130.0	122.6	130.0	
54"		80.0	128.7	109.0	130.0	
58"		74.5	119.8	101.4	121.2	
30"	102"	129.7	130.0	130.0	130.0	
36"		108.1	130.0	130.0	130.0	
42"		92.6	130.0	130.0	130.0	
48"		81.0	130.0	114.3	130.0	
54"		72.0	115.9	101.6	121.4	
58"		69.5	111.7	98.0	117.1	
30"	108"	109.2	130.0	130.0	130.0	
36"		91.0	130.0	130.0	130.0	
42"		78.0	125.5	116.5	130.0	
48"		68.3	109.8	102.0	121.9	
53"		61.8	99.5	92.3	110.4	
30"	110-1/2"	102.0	130.0	130.0	130.0	
36"		85.0	130.0	129.9	130.0	
42"		72.8	117.2	111.3	130.0	
48"		63.7	102.5	97.4	116.4	
52"		58.8	94.6	89.9	107.4	
30"	114"	92.9	130.0	130.0	130.0	
36"		77.4	124.5	122.0	130.0	
42"		66.3	108.7	104.6	125.0	
48"		58.0	93.4	91.5	109.4	
50"		55.7	89.6	87.6	105.0	
30"	120"	79.6	128.1	130.0	130.0	
36"		66.4	106.7	110.1	130.0	
42"		56.9	91.5	94.4	112.6	
48"		49.8	80.1	82.6	98.7	

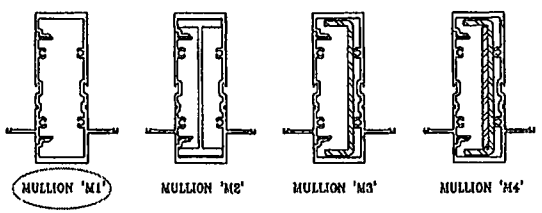


WIDTH (W) = W1
AT FRAME JAMB



WIDTH (W) = $\frac{W1 + W2}{2}$
AT FRAME MULLION





NOTE:
INTERPOLATION BETWEEN WIDTHS ALLOWED.

MULLIONS

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0107.03
Expiration Date April 3, 2018
By Maurice Perez
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0328.06
Expiration Date April 3, 2013
By Maurice Perez
Miami Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

STOREW11-39MG

SERIES MS5000 ALUM WINDOW WALL SYSTEM (I.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:			
(no)	date	by	description
A	03.05.12		NO CHANGE THIS SHEET

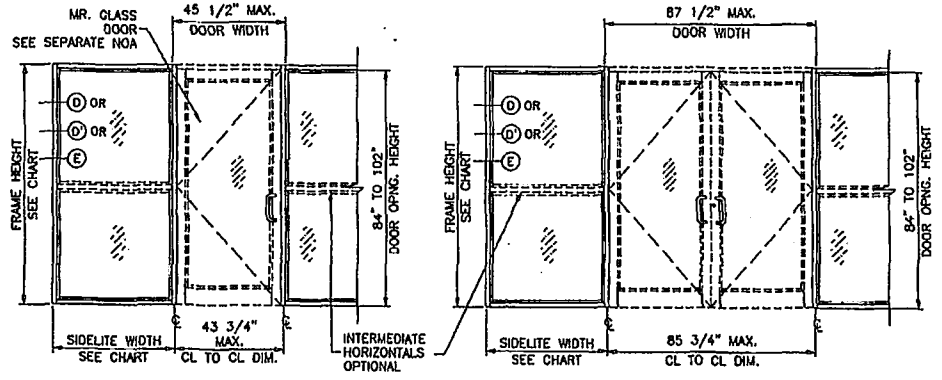
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ckd. by:

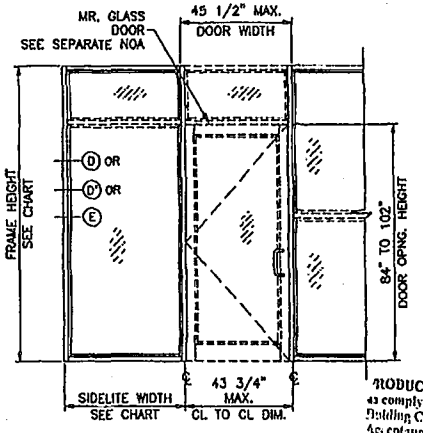
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W11-39

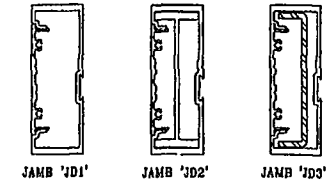
sheet 4 of 12

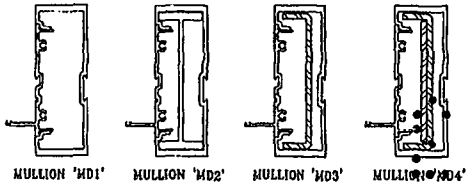
DOOR MULLION LOAD CAPACITY-PSF					
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	JAMB 'JD1' MULL 'MD1' EXT. (+) INT. (−)	JAMB 'JD1' MULL 'MD2' EXT. (+) INT. (−)	JAMB 'JD2' JAMB 'JD3' MULL 'MD3' EXT. (+) INT. (−)	JAMB 'JD3' MULL 'MD4' EXT. (+) INT. (−)
32	86-1/2	120.0	120.0	120.0	120.0
36		120.0	120.0	120.0	120.0
42		120.0	120.0	120.0	120.0
48		120.0	120.0	120.0	120.0
54		120.0	120.0	120.0	120.0
60		119.4	120.0	120.0	120.0
32	98-1/2	109.5	120.0	120.0	120.0
36		104.2	120.0	120.0	120.0
42		97.2	120.0	120.0	120.0
48		91.1	120.0	120.0	120.0
54		85.7	120.0	116.6	120.0
32	110-1/2	77.6	120.0	116.4	120.0
36		73.8	114.4	112.7	120.0
42		68.8	106.7	105.1	120.0
48		64.5	100.0	98.5	117.7

DOOR MULLION LOAD CAPACITY-PSF					
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	JAMB 'JD1' MULL 'MD1' EXT. (+) INT. (−)	JAMB 'JD1' MULL 'MD2' EXT. (+) INT. (−)	JAMB 'JD2' JAMB 'JD3' MULL 'MD3' EXT. (+) INT. (−)	JAMB 'JD3' MULL 'MD4' EXT. (+) INT. (−)
32	98-1/2	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0
54		85.7	90.0	90.0	90.0
32	110-1/2	77.6	90.0	90.0	90.0
36		73.8	90.0	90.0	90.0
42		68.8	90.0	90.0	90.0
48		64.5	90.0	90.0	90.0
32	114	70.6	90.0	90.0	90.0
36		67.2	90.0	90.0	90.0
42		62.7	90.0	90.0	90.0
48		58.7	90.0	90.0	90.0
32	120	60.6	90.0	90.0	90.0
36		57.6	89.4	90.0	90.0
42		53.8	83.3	89.1	90.0
48		50.4	78.1	83.5	90.0









DOOR-WINDOWALL TRANSITION MULLION

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 13-0107.03
Expiration Date April 3, 2018
By Miami-Dade Product Control

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3838

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 12-0328.06
Expiration Date Sept. 4, 2013
By Miami-Dade Product Control

MAR 07 2013

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-9378
STORE\W11-39MG

SERIES M65000 ALUM. WINDOW WALL SYSTEM (LMI.)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:

no	date	by	description
A	03.05.12		NO CHANGE THIS SHEET

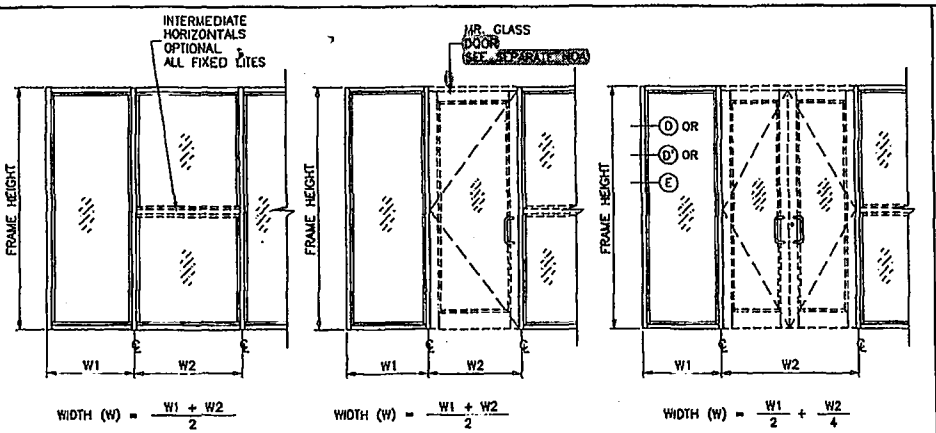
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scale: -
dr. by: HAMID
chk. by:

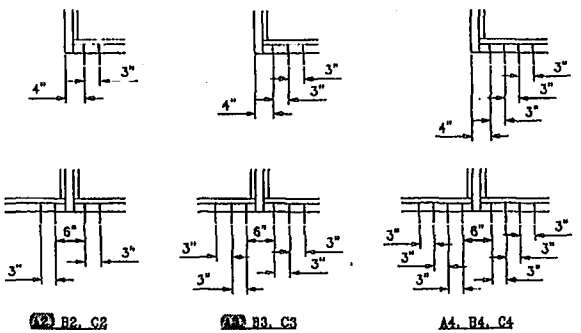
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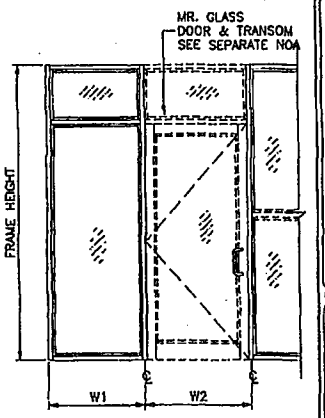
sheet 5 of 12

ANCHOR LOAD CAPACITY – PSF
EXT.(+) & INT.(–)

NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B' & 'D'			ANCHORS TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2/D2	B3/D3	B4/D4	C2	C3	C4
30"	72"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		108.4	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		93.0	130.0	130.0	122.3	130.0	130.0	130.0	130.0	130.0
48"		81.3	122.0	130.0	107.0	130.0	130.0	123.3	130.0	130.0
54"		72.3	108.4	130.0	95.1	130.0	130.0	109.6	130.0	130.0
60"		65.1	97.6	130.0	85.6	128.4	130.0	98.7	130.0	130.0
30"	78"	120.1	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		100.1	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		85.8	128.7	130.0	112.9	130.0	130.0	130.0	130.0	130.0
48"		75.1	112.6	130.0	98.8	130.0	130.0	113.8	130.0	130.0
54"		66.7	100.1	130.0	87.8	130.0	130.0	101.2	130.0	130.0
60"		60.1	90.1	120.1	79.0	118.5	130.0	91.1	130.0	130.0
30"	84"	108.3	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		90.3	130.0	130.0	118.8	130.0	130.0	130.0	130.0	130.0
42"		77.4	116.1	130.0	101.8	130.0	130.0	117.3	130.0	130.0
48"		67.7	101.5	130.0	89.1	130.0	130.0	102.7	130.0	130.0
54"		60.2	90.3	120.4	79.2	118.8	130.0	91.3	130.0	130.0
60"		54.2	81.2	108.3	71.3	106.9	130.0	82.1	123.2	130.0
30"	90"	104.1	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		86.8	130.0	130.0	114.1	130.0	130.0	130.0	130.0	130.0
42"		74.4	111.5	130.0	97.8	130.0	130.0	112.8	130.0	130.0
48"		65.1	97.6	130.0	85.6	128.4	130.0	98.7	130.0	130.0
54"		57.8	86.8	115.7	76.1	114.1	130.0	87.7	130.0	130.0
60"		52.1	78.1	104.1	68.5	102.7	130.0	78.9	118.4	130.0
30"	96"	97.6	130.0	130.0	128.4	130.0	130.0	130.0	130.0	130.0
36"		81.3	122.0	130.0	107.0	130.0	130.0	123.3	130.0	130.0
42"		69.7	104.6	130.0	91.7	130.0	130.0	105.7	130.0	130.0
48"		61.0	91.5	122.0	80.3	120.4	130.0	92.5	130.0	130.0
54"		54.2	81.3	108.4	71.3	107.0	130.0	82.2	123.3	130.0
60"		48.8	73.2	97.6	64.2	96.3	128.4	74.0	111.0	130.0
30"	98-1/2"	95.1	130.0	130.0	125.1	130.0	130.0	130.0	130.0	130.0
36"		79.3	118.9	130.0	104.3	130.0	130.0	120.2	130.0	130.0
42"		67.9	101.9	130.0	89.4	130.0	130.0	103.0	130.0	130.0
48"		59.6	89.2	118.9	78.2	117.3	130.0	90.2	130.0	130.0
54"		52.8	79.3	105.7	69.5	104.3	130.0	80.1	120.2	130.0
30"	102"	91.9	130.0	130.0	120.8	130.0	130.0	130.0	130.0	130.0
36"		76.5	114.8	130.0	100.7	130.0	130.0	116.1	130.0	130.0
42"		65.6	98.4	130.0	86.3	129.5	130.0	99.5	130.0	130.0
48"		57.4	86.1	114.8	75.5	113.3	130.0	87.1	130.0	130.0
54"		51.0	76.5	102.1	67.1	100.7	130.0	77.4	116.1	130.0
30"	108"	86.8	130.0	130.0	114.1	130.0	130.0	130.0	130.0	130.0
36"		72.3	108.4	130.0	95.1	130.0	130.0	109.6	130.0	130.0
42"		62.0	93.0	123.9	81.5	122.3	130.0	94.0	130.0	130.0
48"		54.2	81.3	108.4	71.3	107.0	130.0	82.2	123.3	130.0
30"	110-1/2"	84.8	127.2	130.0	111.6	130.0	130.0	128.6	130.0	130.0
36"		70.7	106.0	130.0	93.0	130.0	130.0	107.1	130.0	130.0
42"		60.6	90.8	121.1	79.7	119.5	130.0	91.8	130.0	130.0
48"		53.0	79.5	106.0	69.7	104.6	130.0	80.4	120.5	130.0
30"	114"	82.2	123.3	130.0	108.1	130.0	130.0	124.6	130.0	130.0
36"		68.5	102.7	130.0	90.1	130.0	130.0	103.9	130.0	130.0
42"		58.7	88.1	117.4	77.2	115.8	130.0	89.0	130.0	130.0
48"		51.4	77.1	102.7	67.6	101.4	130.0	77.9	116.8	130.0
30"	120"	78.1	117.1	130.0	102.7	130.0	130.0	118.4	130.0	130.0
36"		65.1	97.6	130.0	85.6	128.4	130.0	98.7	130.0	130.0
42"		55.8	83.7	111.5	73.4	110.1	130.0	84.6	126.9	130.0
48"		48.8	73.2	97.6	64.2	96.3	128.4	74.0	111.0	130.0







ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
D2 = (2) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
D3 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
D4 = (4) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

ANCHORS

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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 13-0107.03
Expiration Date April 3, 2018
By Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0328.06
Expiration Date April 3, 2013
By Miami-Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-5100 FAX. (305) 262-6978
STORE: W11-39MG

SERIES MC5000 ALUM. WINDOW WALL SYSTEM (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

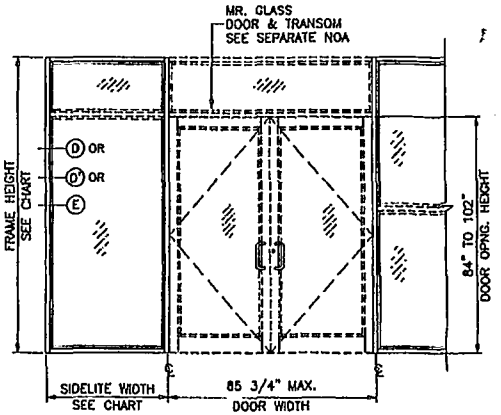
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chk. by:

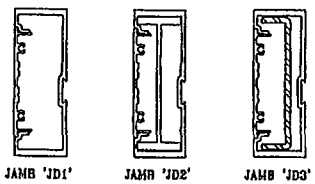
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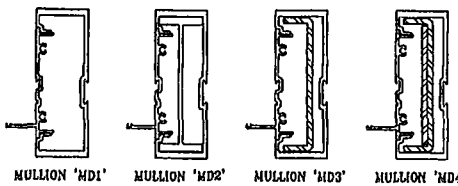
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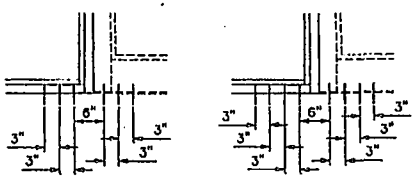
DOOR MULLION LOAD CAPACITY-PSF					
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	JAMB 'JD1' MULL 'MD1' EXT. (+) INT. (-)	JAMB 'JD1' MULL 'MD2' EXT. (+) INT. (-)	JAMB 'JD2' JAMB 'JD3' MULL 'MD3' EXT. (+) INT. (-)	JAMB 'JD3' MULL 'MD4' EXT. (+) INT. (-)
30	96	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0
54		85.4	90.0	90.0	90.0
60		81.0	90.0	90.0	90.0
30	102	86.3	90.0	90.0	90.0
36		80.9	90.0	90.0	90.0
42		76.2	90.0	90.0	90.0
48		71.9	90.0	90.0	90.0
54		68.2	90.0	90.0	90.0
30	108	69.6	90.0	90.0	90.0
36		65.4	90.0	90.0	90.0
42		61.7	90.0	90.0	90.0
48		58.5	90.0	88.3	90.0
30	114	57.2	88.7	90.0	90.0
36		53.9	83.6	85.3	90.0
42		51.0	79.0	80.7	90.0
48		48.3	74.9	76.6	90.0
30	120	47.6	74.1	78.7	90.0
36		45.1	69.9	74.4	88.9
42		42.7	66.2	70.5	84.2
48		40.5	62.8	67.0	80.1



ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B' & 'D'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	A3	A4	B3/D3	C3
30	96	79.6	90.0	90.0	90.0
36		75.5	90.0	90.0	90.0
42		71.8	90.0	90.0	90.0
48		68.4	90.0	90.0	90.0
54		65.4	86.0	86.0	90.0
60		62.6	82.3	82.3	90.0
30	102	76.4	90.0	90.0	90.0
36		72.4	90.0	90.0	90.0
42		68.8	90.0	90.0	90.0
48		65.5	86.2	86.2	90.0
54		62.5	82.3	82.3	90.0
30	108	73.5	90.0	90.0	90.0
36		69.6	90.0	90.0	90.0
42		66.0	86.9	86.9	90.0
48		62.9	82.7	82.7	90.0
30	114	70.8	90.0	90.0	90.0
36		67.0	88.1	88.1	90.0
42		63.5	83.6	83.6	90.0
48		60.4	79.5	79.5	90.0
30	120	68.3	89.9	89.9	90.0
36		64.5	84.9	84.9	90.0
42		61.2	80.5	80.5	90.0
48		58.1	76.5	76.5	88.1







A3, B3, C3 A4

ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF DOOR MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF DOOR MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION
D3 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF DOOR MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF DOOR MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

TRANSITION MULLION ANCHORS

DOOR-WINDOWALL TRANSITION MULLION

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 13-0107.03 Expiration Date 4-2-2018 By Miami-Dade Product Control

Engr. JAVAD AHMAD CIVIL FLA. PE # 70582 C.A.H. 3538

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0328.06 Expiration Date 3-1-2013 By Miami-Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
STORE\W11-39MG

SERIES MS300 ALUM WINDOW WALL SYSTEM (I.M.U.)

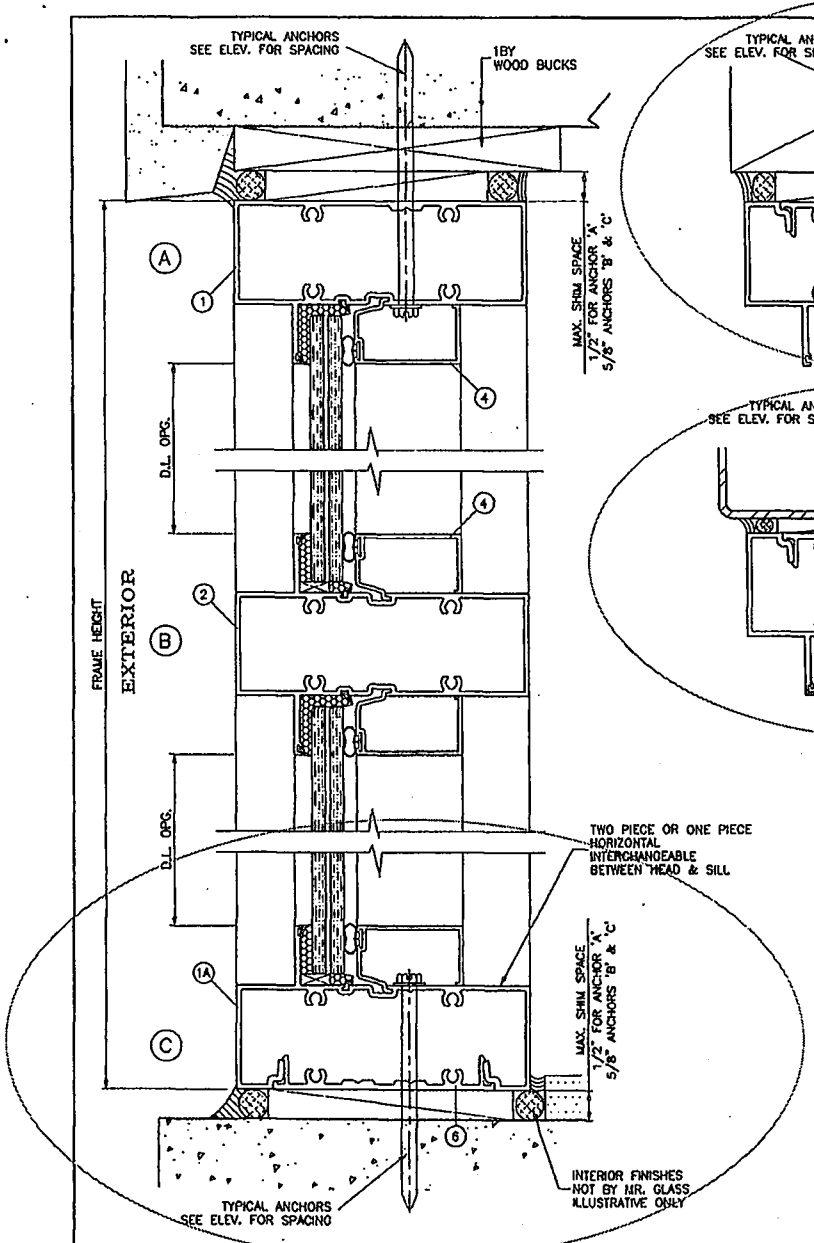
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL 33166
TEL (305) 470-8284 FAX (305) 470-8285

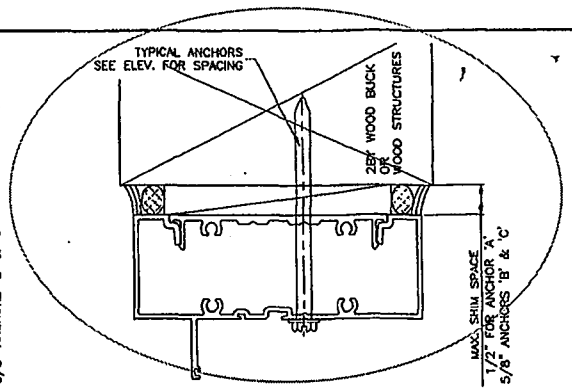
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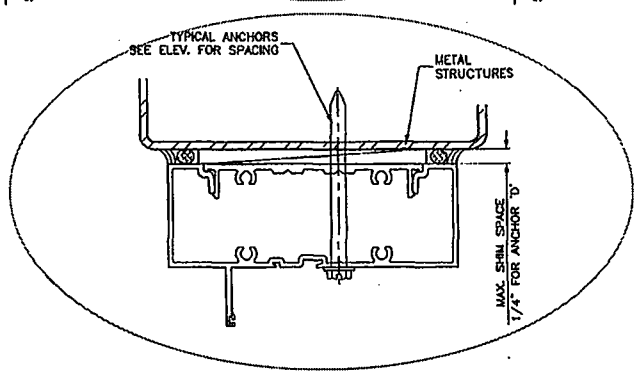
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dr. by: HAMID
chk. by:

drawing no. W11-39

sheet 7 of 12







TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA ULTRACON BY 'ELCO'

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONC.

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

1/4" DIA HILTI KWIK CON II BY 'HILTI'

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONC.

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 3" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'C'

5/16" DIA ULTRACON BY 'ELCO'

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONC.

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 3" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'D'

#14 SMS OR SELF DRILLING SCREWS ST/ST

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0107.03
Expiration Date Jan. 2, 2018
By Manuel Perez
Miami Dade Product Control

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

WOOD BUCKS AND METAL STRUCTURES NOT BY MR. GLASS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0328.06
Expiration Date April 5, 2013
By Manuel Perez
Miami Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6378
STORE W11-39MG

SERIES MG5000 ALUM WINDOW WALL SYSTEM (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

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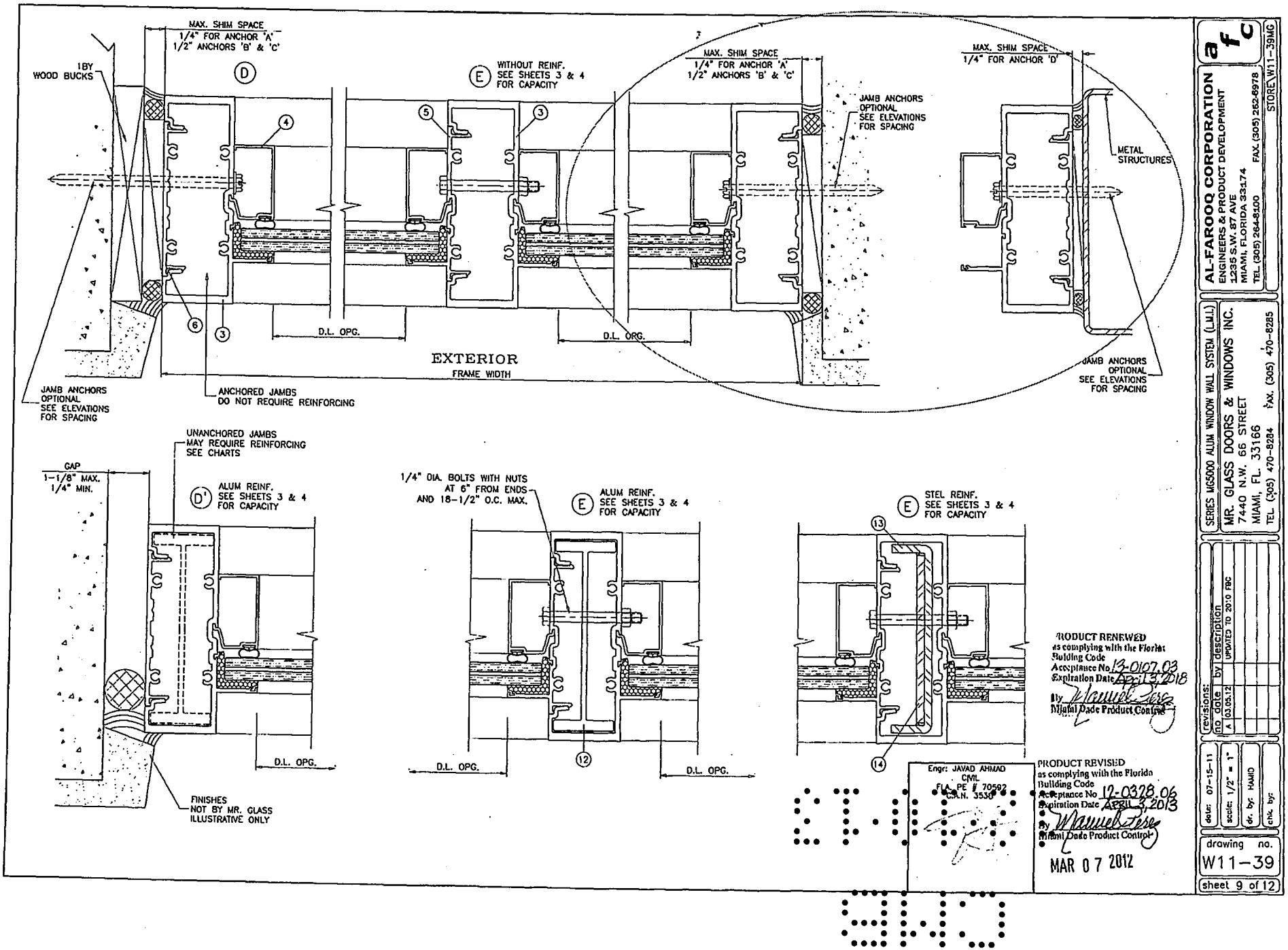
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dr. by: HAMD
chk. by:

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W11-39

sheet 8 of 12

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PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0107.03
Expiration Date April 3, 2018
By
Miami-Dade Product Control

Engr: JAVAD AHMAD
CMI
FLA. PE # 70592
C.A.N. 3530

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0328.06
Expiration Date APRIL 3, 2013
By
Miami-Dade Product Control

MAR 07 2012

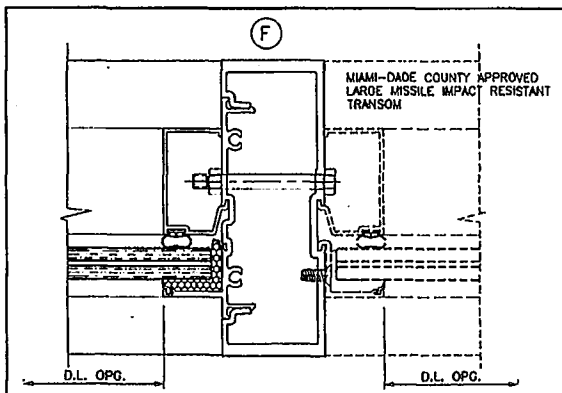
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W11-39MC

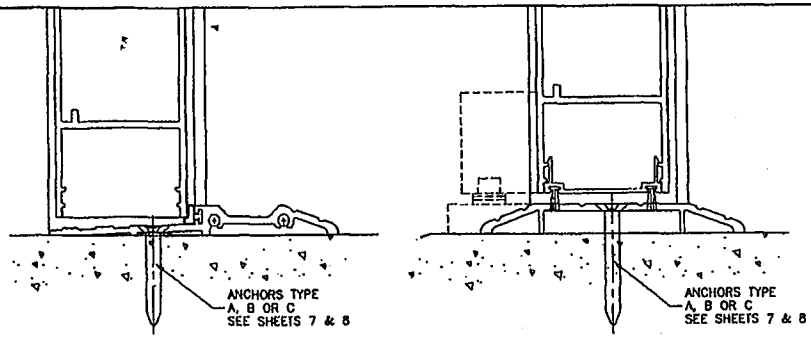
SERIES MG5000 ALUM. WINDOW WALL SYSTEM (J.M.I.)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

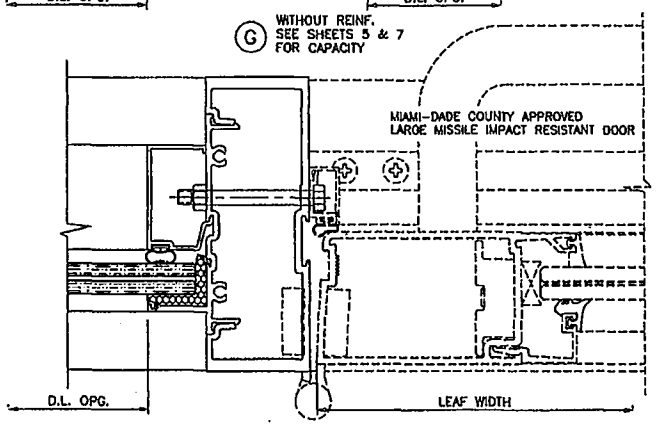
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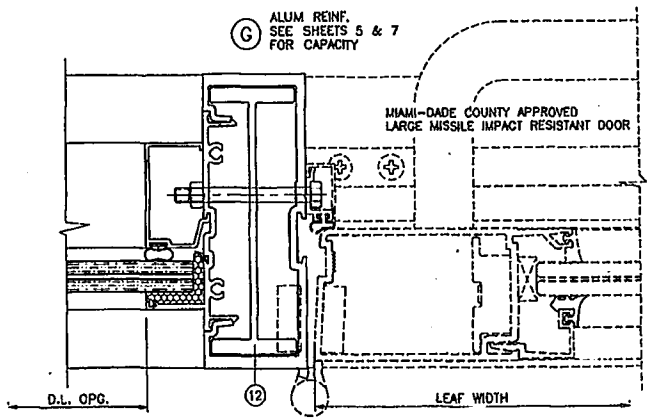
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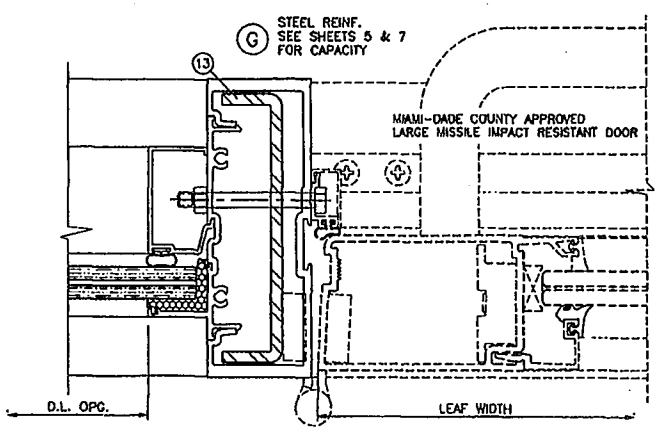
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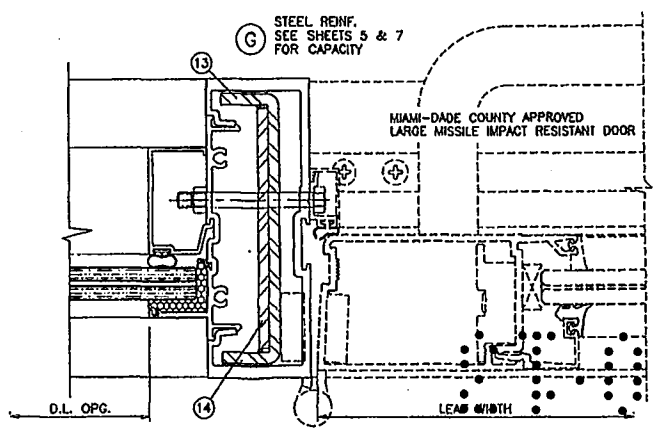












SEE SEPARATE NOA FOR DESIGN LOAD CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS NOA OR STOREFRONT SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 13-0107.03
Expiration Date April 3, 2018
By Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0328.06
Expiration Date April 2, 2013
By Miami-Dade Product Control

Engr: JAVAD AHMAD, CIVIL
FLA. PE # 70592
C.A.N. 3538

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

STORE\W11-39MG

SERIES MS5000 ALUM WINDOW WALL SYSTEM (LMU)

MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL. 33166
TEL (305) 470-8284 FAX (305) 470-8285

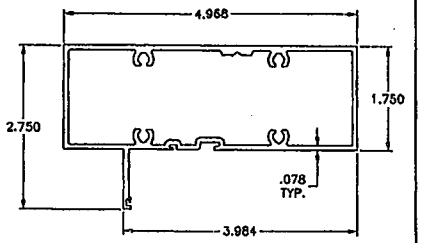
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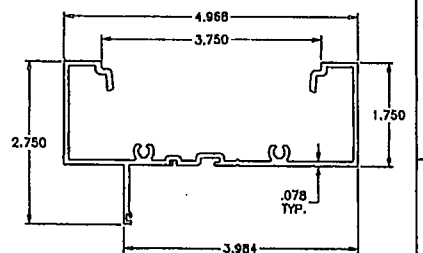
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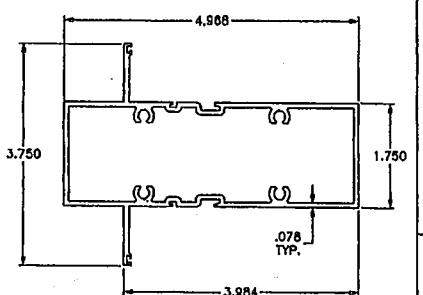
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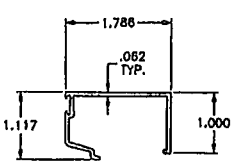
① HOLLOW FRAME HEAD/SILL



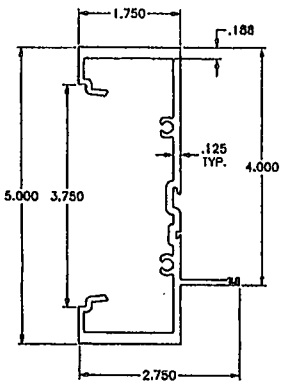
(1A) OPEN BACK FRAME HEAD/SILL



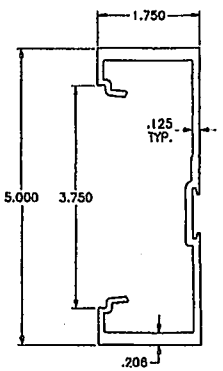
② INTERMEDIATE HORIZONTAL



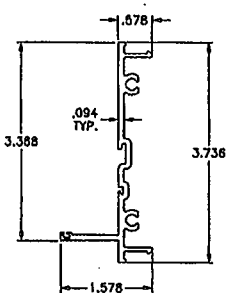
④ GLASS STOP



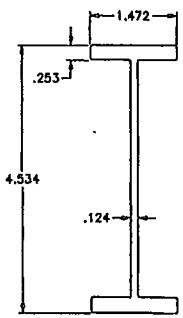
③ FRAME JAMB/MULLION



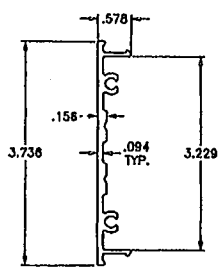
(3A) DOOR MULLION



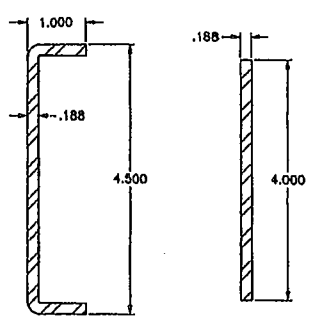
⑤ MULLION SNAP-IN MATE



⑫ STIFFENER



⑥ SHEAR CLIP



⑬ STEEL REINFORCING
36 KSI MIN.

⑭

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES8005	AS REQD.	HOLLOW FRAME HEAD/SILL	6005-T5	-
1A	ES8007	AS REQD.	OPEN BACK FRAME HEAD/SILL	6063-T6	-
2	ES8004	AS REQD.	INTERMEDIATE HORIZONTAL	6063-T6	-
3	ES8001	AS REQD.	FRAME JAMB/MULLION	6005-T5	-
3A	-	AS REQD.	DOOR MULLION	6005-T5	-
4	ES8006	AS REQD.	GLASS STOP	6063-T5	-
5	ES8002	AS REQD.	MULLION SNAP-IN MATE	6005-T5	-
6	ES8003	AS REQD.	SHEAR CLIP	6005-T5	-
7	-	AS REQD.	INTERIOR BULB GASKET	VINYL	-
8	ES8009	AS REQD.	SPACER/SILICONE STOP	VINYL	-
8A	-	AS REQD.	BUTTON BUMPER	SILICONE	-
9	-	-	-	-	-
10	-	AS REQD.	SETTING BLOCK AT 1/4" POINTS	NEOPRENE	3/16" X 1/2" X 2" LONG
11	#12 X 1-1/2"	4/ CORNER	ASSEMBLY SCREWS PHSMS	STEEL	-
12	-	AS REQD.	MULLION STIFFENER	6005-T5	-
13	-	AS REQD.	MULLION REINFORCING CHANNEL	STEEL	-
14	-	AS REQD.	MULLION REINFORCING BAR	STEEL	-

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 12-0107.03
Expiration Date April 3, 2013
By Miami Dade Product Control

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0328.06
Expiration Date April 3, 2013
By Miami Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
STORE W11-39MG

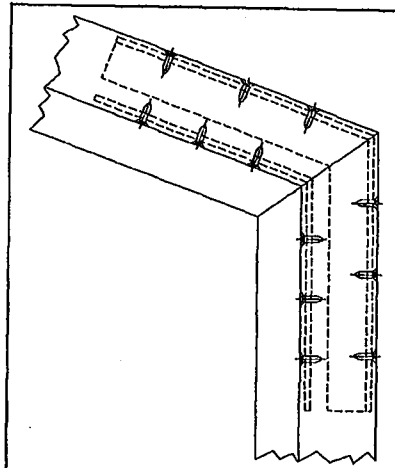
SERIES MG5000 ALUM WINDOW WALL SYSTEM (LMI.)

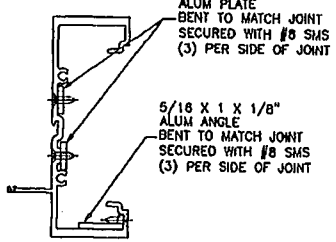
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL 33166
TEL (305) 470-8284 FAX. (305) 470-8285

revisions:
no | date | by | description
A | 03.05.12 | | UPDATED TO 2010 FBC

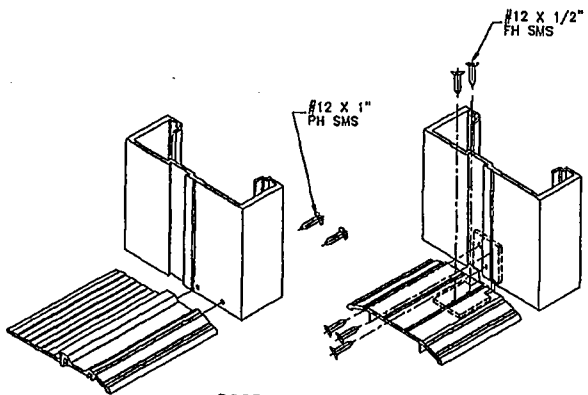
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W11-39
sheet 11 of 12

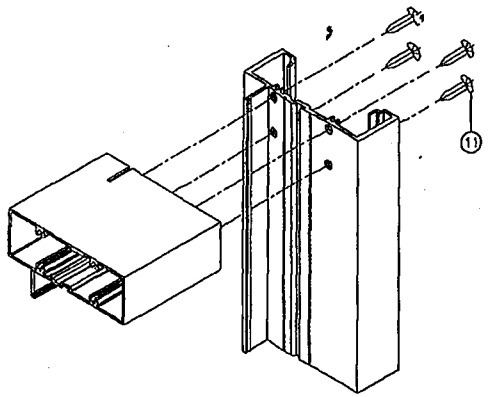


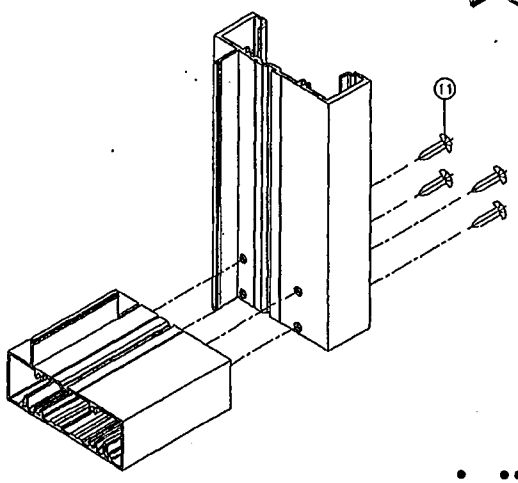


CIRCULAR OR ANGLED CORNERS

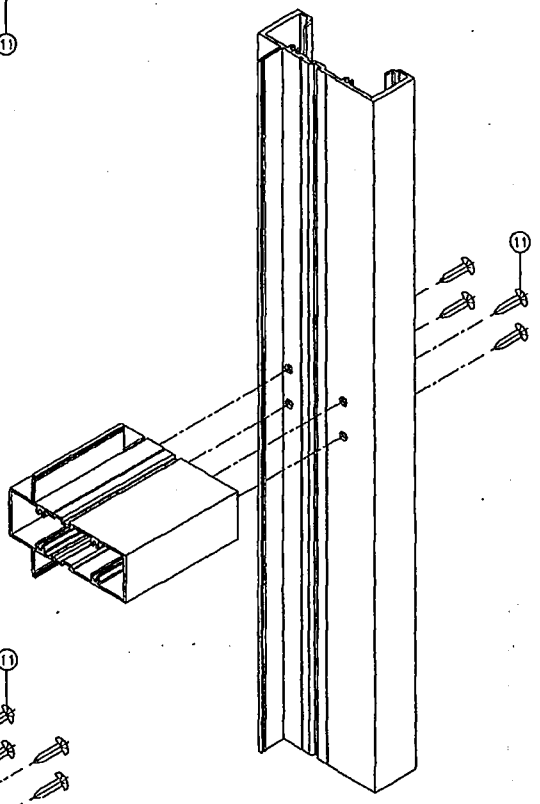


DOOR MULLION CORNER





RECT. OR SQUARE CORNERS



HORIZONTAL CORNER

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0107.03
Expiration Date April 2, 2018
By
Miami Dade Product Control

Engr. JAVAD AHMAD
CIVIL
FLA. PE #.70592
C.A.H. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0328.06
Expiration Date April 2, 2013
By
Miami Dade Product Control

MAR 07 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W11-39NG

SERIES MX5000 ALUM WINDOW WALL SYSTEM (LWU)
MR. GLASS DOORS & WINDOWS INC.
7440 N.W. 66 STREET
MIAMI, FL 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

revisions:			
no	date	by	description
A	03.05.12		NO CHANGE THIS SHEET

date: 07-15-11
scale: -
dr. by: HAMID
chk. by:

drawing no.
W11-39
sheet 12 of 12

INFINITY ENGINEERING

14746 SW 60 St, Miami, FL 33193
t: 786-287-3922
www.InfinityEng.us

Comment Response Sheet

2 January 2014

To: Adalberto Viciedo, PE
RE: 1100 15th St, Miami Beach, FL 33139

- This permit includes modifications to the existing elevation. The permit type shall be alteration/remodeling. Building review is required.
  - No response required.

- Provide demolition plans. Clearly show existing structural elements to be removed and to remain.
  - A demolition plan can be provided if required, but it will merely denote that the existing storefront is to be removed. We are replacing the existing storefront which does not have any structural components. We are placing a structural framework of steel tubes though none is currently existing.

- Provide structural plans and sections and clearly identify existing structure to remain that will support the proposed storefront.
  - The existing structure will not be modified. There is a large concrete wall/beam above the storefront that spans the opening of the storefront. The framework we are providing is independent of the existing structure.

- Structural steel framing:

  a) Provide plan view details for architectural piers of different shapes with vertical tube inside. Provide design information for framing of those piers. Provide detail for joint between those piers and the storefront jamb.
  - There are no architectural piers. The storefront will consist of the glazing and steel framework. Plans have been updated to more accurately reflect this. Please see added "Section A" & "Angled Jamb Detail" on Sheet 2.

  b) Provide calculations for members and their connections. Include horizontal member with eccentric bolts meeting the wall at 90 or 135 degree angles.
  - Since we are not modifying the structure of the building, the steel framework only carries the wind loading from the storefront. This loading is minimal considering the sizes of the members and of the anchors.

  c) Provide weld detail for joint of three members (two horizontal tubes meeting at 90 or 135 degree angles with vertical tube)
  - Please see "Weld Detail" on Sheet 2.

Please feel free to contact me if you have any questions or need additional information.

Michael Brito, PhD, PE
Principal

NOTE:

ALL OPENINGS TO HAVE WIND PRESSURE OF +51.1/-68.4 PSF.

GENERAL NOTES:

1. ALL STRUCTURES DESIGNED IN ACCORDANCE WITH 2010 FLORIDA BUILDING CODE AND ASCE 7-10 (V=175 MPH, RISK CATEGORY '2', MEAN ROOF HEIGHT =20 FT, EXPOSURE CATEGORY 'D').
2. ALL STEEL PLATES TO BE ASTM A36. STRUCTURAL BOLTS TO BE A325. TUBES TO BE ASTM A500 GR. B (FY = 45 KSI).
3. ALL CONNECTIONS NOT EXPLICITLY MARKED, TO BE FULLY WELDED: TYP 1/8"
4. NOTIFY ENGINEER OF ANY ERRORS/OMISSIONS FOUND OR IF ANY PART OF THE DRAWINGS IS NOT UNDERSTOOD.
5. ONLY OPENINGS MARKED ARE PART OF THIS PERMIT.
6. ALL DIMENSIONS TO BE FIELD VERIFIED.
7. ALL PRODUCTS TO BE INSTALLED AS PER THEIR NOA.
8. REFER TO PRODUCT APPROVAL FOR SPECIFIC MATERIAL INFO.

B1401230

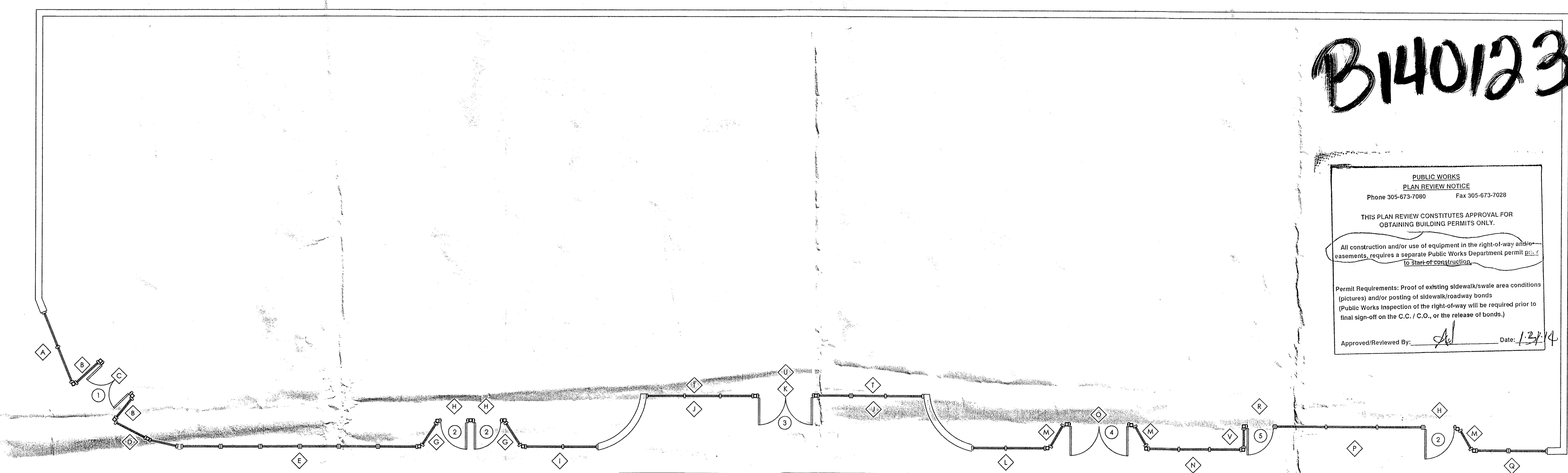
PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.

Permit Requirements: Proof of existing sidewalk/swale area conditions (pictures) and/or posting of sidewalk/roadway bonds (Public Works Inspection of the right-of-way will be required prior to final sign-off on the C.C. / C.O., or the release of bonds.)

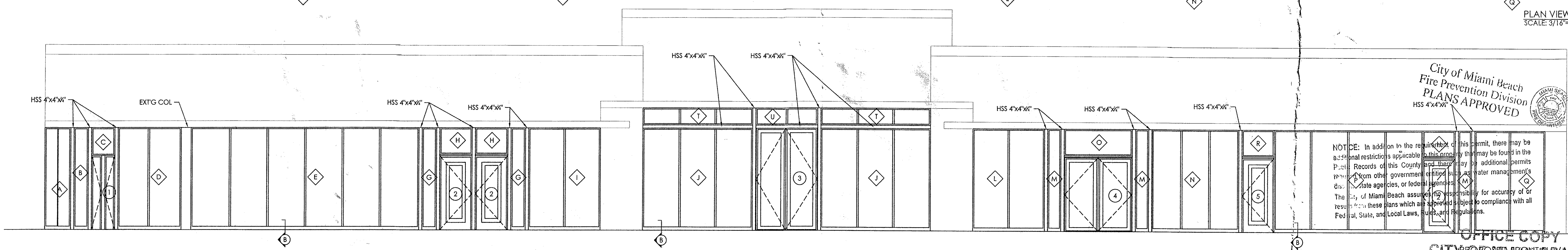
Approved/Reviewed By: [signature] Date: 1.31.14



PLAN VIEW
SCALE: 3/16"=1'-0"

48 HOURS PRIOR TO EXCAVATING CONTRACTOR SHALL CALL FOR LOCATION OF UNDERGROUND UTILITIES
SUNSHINE ONE CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080

City of Miami Beach
Fire Prevention Division
PLANS APPROVED



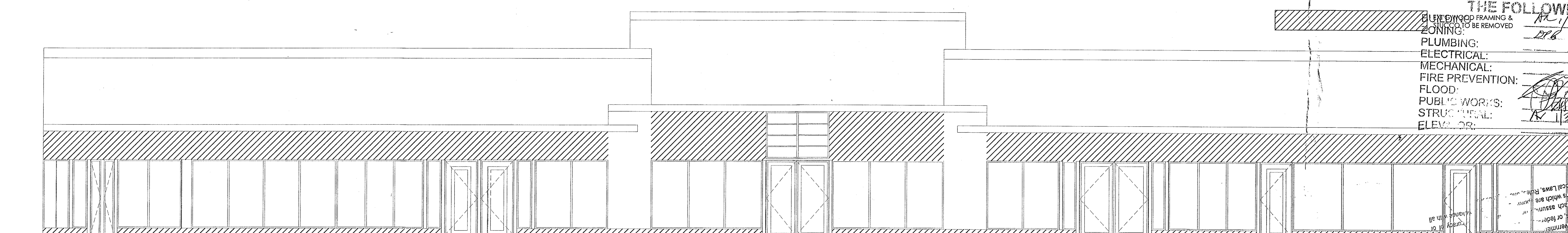
NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this County and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for accuracy of or results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

PROPOSED FRONT ELEVATION
SCALE: 3/16"=1'-0"

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

BUILDING:	1/31/14
ZONING:	DPB 1/31/14
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	
FIRE PREVENTION:	1/31/14
FLOOD:	
PUBLIC WORKS:	1/31/14
STRUCTURAL:	1/31/14
ELEVATOR:	

EXT'G WOOD FRAMING & STUCCO TO BE REMOVED



EXT'G FRONT ELEVATION
SCALE: 3/16"=1'-0"

NOTE: CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.

REVISION HISTORY

WINDOW & DOOR SHOP DRAWINGS
1100 15TH ST
MIAMI BEACH, FL 33139

INFINITY ENGINEERING
14746 SW 60 St, Miami, FL 33193
t: 786-287-3922
www.InfinityEng.us CA# 26963

MICHAEL BRITO, PhD, PE
#66360

Date: 29-Jan-14
Scale: AS SHOWN
Sheet: 1

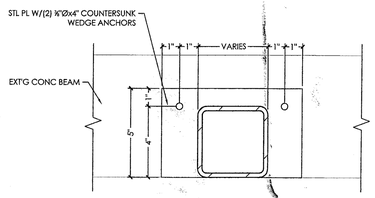


PLATE 'B'
SCALE: 3"=1'-0"

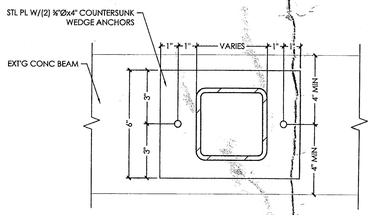
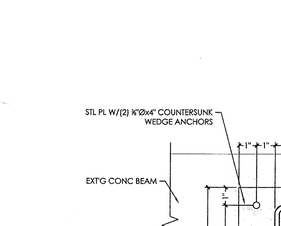
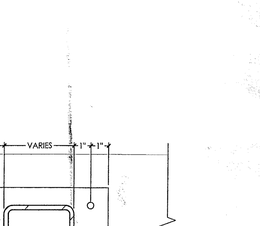


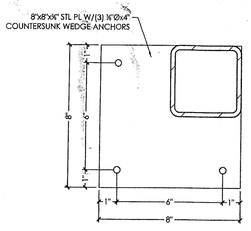
PLATE 'A'
SCALE: 3"=1'-0"



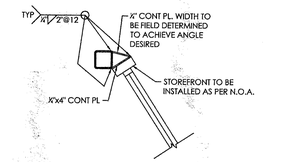
BASE PLATE (ALT 1)
SCALE: 3"=1'-0"



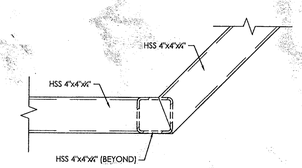
BASE PLATE (ALT 2)
SCALE: 3"=1'-0"

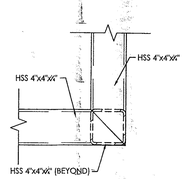


BASE PLATE (ALT 3)
SCALE: 3"=1'-0"

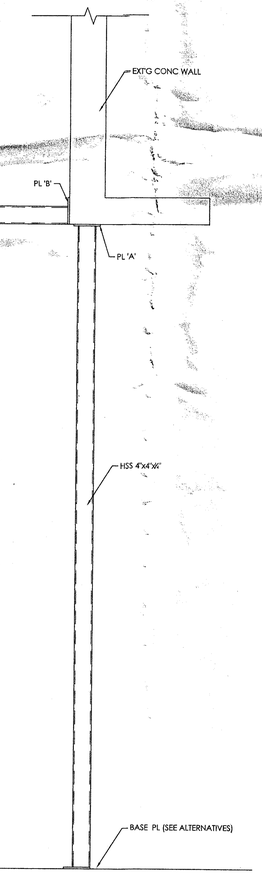


ANGLED JAMB DETAIL
SCALE: 3/4"=1'-0"

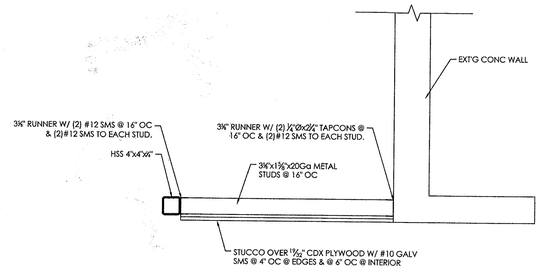




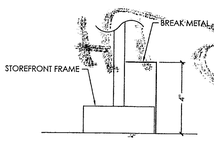
SECTION A
SCALE: 1 1/2"=1'-0"



TYP SECTION
SCALE: 3/4"=1'-0"



TYP CEILING DETAIL
SCALE: 3/4"=1'-0"



SECTION B
SCALE: 3"=1'-0"

WINDOW AND DOOR SCHEDULE

MARK	QTY	MATERIAL	FRAME	TYPE	SIZE (WxH)	MANUFACTURER	NOA	APPLIED LOAD (PSF)	LOAD CAPACITY (PSF)
A	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	188" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
B	2	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	30" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
C	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	63" x 30"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
D	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	90" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
E	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	276" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
G	2	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	40" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
H	3	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	40" x 30"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
I	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	90" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
J	2	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	34" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
L	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	90" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
M	3	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	40" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
N	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	106" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
O	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	886" x 30"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
P	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	70" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
Q	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	92" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
R	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	92" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
S	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	92" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
T	2	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	134" x 20"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
U	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	736" x 20"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
V	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT	256" x 120"	MR. GLASS	13-0107.03	+51.1/-68.4	+130.0/-130.0
1	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	DOUBLE STOREFRONT DOOR	636" x 90¾"	MR. GLASS	13-0820.12	+51.1/-68.4	+80.0/-80.0
2	3	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT DOOR	40" x 90¾"	MR. GLASS	13-0820.12	+51.1/-68.4	+80.0/-80.0
3	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	DOUBLE STOREFRONT DOOR	~~126" x 90¾"~~ (A) 12½ A120	ENVIRALUM INDUSTRIES	12-0706.05	+51.1/-68.4	+100.0/-100.0
4	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	DOUBLE STOREFRONT DOOR	886" x 90¾"	MR. GLASS	13-0820.12	+51.1/-68.4	+80.0/-80.0
5	1	CLEAR LAMINATED IMPACT GLASS (LARGE AND SMALL MISSILE IMPACT)	ANODIZED	STOREFRONT DOOR	386" x 90"	MR. GLASS	13-0820.12	+51.1/-68.4	+80.0/-80.0

NOTE: CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.

DECI JAN 29

REVISION HISTORY

WINDOW & DOOR SHOP DRAWINGS
1100 15TH ST.
MIAMI BEACH, FL 33139

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

INFINITY ENGINEERING
14746 SW 60 St. Miami, FL 33193
t: 786-287-3922
www.InfinityEng.us CA# 26963

MICHAEL BRITO
LICENSE
STATE OF FLORIDA
MICHAEL BRITO, PhD, PE
#66360

Date: 29-Jan-14
Scale: AS SHOWN
Sheet: 2

B1401230
1100 15TH
ST

MIAMI-DADE COUNTY

Department of Regulatory and Economic Resources

Impact Fee Receipt

Process Number: M2016[illegible]2436-0 **Batch:** **Collection Number:** 114868

Folio: 0232340180680 **Site Address:** 1100 15 ST

Fee Payer: AZAITARS CORPORATIONO TO **Collection Date:** 02/04/2016

1111 15TH STREET

MIAMI BEACH, FL 33139

Fee Type	Dist Id	Category Code	Cat Sufix	Category Description	Units	Fee	Extended Amount	Deferral Amount	Deferral Admin
ROAD	8	932	00	HIGH TURNOVER RESTAURANT	671.00	$39.68	$26,628.37		
ROAD	8	820	00	GENERAL RETAIL (0 -10 KSF)	(671.00)	$14.38	($9,652.20)		
						Total:	**$16,976.17**		
						- Deferred Amount:			
						+ Deferred Admin:			
						Total Amount Due:	**$16,976.17**		

Paid Check: $16,976.17

Paid Cash: $0.00

Report run on: February 04, 2016 10:32 AM

Miami-Dade County DERM # _____

Department of Environmental Resources Management

Sewer Capacity Certification Letter Application

dermplanreview@miamidade.gov

West Office 786-315-2800 Downtown Office 305-372-6789

Instructions: You must fill out this application to obtain a sewer certification allocation letter, which is a required step in obtaining your building permit. If you are unfamiliar with the application process, please refer to The Stress Free Guide to sewer certification, available wherever you picked up an application.

Step One: Completely fill out sections 1a, 1b, and 1c and complete the affidavit on the reverse side of this application including the notarized signature of the Property Owner of their Authorized Representative. Assignment of the Authorized Representative must be in the form of a notarized authorization letter from the property owner.

Step Two: Have your utility (if not part of the MDWASD Utility Area) certify the pump station information of your project in Section 2.

Step Three: Once your application has been certified by your utility, bring the completed application to one of DERM'S Plan Review Offices for processing.

In order to serve you better, **YOU MUST COMPLETE** the information in **sections 1a, 1b, and 1c and the Affidavit.**

Please make checks payable to: Miami Dade County.

RESIDENTIAL FEE (single-family & duplex) up to 5 building sites: $90 plus $10 per additional building site

COMMERCIAL FEE: $120 plus $10 per additional building site

APPLICATIONS WILL NOT BE ACCEPTED IF THE NECESSARY INFORMATION AND SIGNATURES ARE NOT PROVIDED.

Section 1a **Applicant Information:**

Name (Title): CEDE DAVID (OWNER)

Company: MIAMI DADE PERMIT SERVICES

Address: 763 COLLINS AVENUE

City: MIAMI BEACH State: FL Zip: 33139

Phone: (786) 299-0671 FAX: _____

Email: CEDEDAVIS.COM

Property Owner Information:

Name (Title): MARK MULAND (OWNER)

Company: ARRP MIAMI LLC

Address: 1100 15 STREET

City: MIAMI BEACH State: FL Zip: 33139

Phone: (786) 299-0671 FAX:

Email:

Section 1b **Property Information**

Project Name: Kabob

Address: 1112 15th Street City: Miami Beach State: FL Zip: 33139

# of units: 1 Type of units: Restaurant Folio: 02-3234-018-0680

Lot and Block #(s): 1/68 Subdivision: Alton

Be sure to include a Lot & Block # for each unit to be developed. You may attach an additional list if necessary. If Lot & Block # are unavailable, submit a track number, survey, site plan or sketch that includes all property boundaries. For undeveloped land, you may submit a master folio number for the entire property.

Section 1c: **Project Details**

Proposed Flow: 1,300 GPD Previous Flow: 145 GPD Estimated completion Date: January 2016

Bldg. Process Number: B1600781 City: Miami Beach Sewer Extension #: 192F

Previous Use: Laundry Mat (1,300 sq. ft.)

Project Description (include sq. ft.): Restaurant (1,300 sq. ft.)

Section 2 **To be completed by utility company only**

Utility Providing Service: City of Miami Beach

Pump Station Receiving Flow: P.S. # 1 Located at: 11th Street & Meridian Court

Sewers Abutting the Property: Yes X No _____ Force-main ___ Gravity X

Lateral Connection: New: __ Existing: X N/A __ Point of Connection: Lenox Court

Utility Official Name: Eric A. Carpenter, Public Works Director Signature: _____ Date: 12/03/15

F:\WORK\$ALL\(1) EMPLOYEE FOLDERS\DEBRA HART\Sewer Allocation Letters\1800 Bay Road-ct.doc

CO.: ct

DERM#: _____ **Date Received:** _____

City of Miami Beach, 1700 Convention Center Drive, Miami Beach, FL 33139, www.miamibeachfl.gov

PUBLIC WORKS DEPARTMENT

Tel: 305.673.7080, Fax: 305.673.7028

WATER AND SEWER VERIFICATION

DATE: December 2, 2015

NAME OF OWNER: ARRP MIAMI LLC

MAILING ADDRESS: 2200 BISCAYNE BLVD., MIAMI, FL 33137

PROPERTY ADDRESS: 1100 15 STREET, MIAMI BEACH, FL 33139-3308

PROPERTY LEGAL DESCRIPTION: COMMERCIAL SUB PB 6-5 LOT 2 & N5FT LOT 1 BLK 68
LOT SIZE 55.000 X 150 OR 17149-4063 0196 4

FOLIO (S) NUMBER: 02-3234-018-0680

The above referenced property is serviced by:

An existing Gravity Sewer Main. 8"

An existing Water Main. 8"

Further approval of all service connection must be obtained from D.E.R.M.

By: _____ 12/03/15

Carey Osbourne
Print Name

SITE NOTES

1. PROVIDE ALL SITE CLEARING, EXCAVATION, FILL, BACKFILL
2. TREES TO REMAIN AND/OR RELOCATE AS SELECTED BY
3. TREES TO BE REMOVED SHALL BE CUT AS DIRECTED BY STUMPS SHALL BE REMOVED FROM THE JOB SITE.
4. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING,
3. UTILITIES PRIOR TO CONSTRUCTION; FOR WATER LINES, IRRIGATION SYSTEMS AND ANY CONCEALED INSTALLATIONS DAMAGED.
5. MAINTAIN BUILDING SITE CLEAN OF CONSTRUCTION DEBRIS
6. IF SIDEWALK IS TO BE PROVIDED, IT SHALL BE DIRECTED
7. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO

CLEANING:

1. IN ADDITION TO REMOVAL OF RUBBISH AND LEAVING BUILDINGS "BROOM CLEAN"
   - A. REPLACE BROKEN GLASS
   - B. REMOVE PAINT SPOTS AND SMEARS,STAINS,MARKS,AND DIRT TO PROVIDE CLEAN SURFACE.
   - C. CLEAN GLASS, HARDWARE, FIXTURES, CASEWORK, AND EQUIPMENT.
   - D. WASH CONCRETE SURFACES,TILE FLOORS, TILE WALLS AND ANY OTHER IMPERVIOUS FLOOR AND WALL SURFACES.

ENVIRONMENTAL PROTECTION:

1. CONTROL AMOUNT OF DUST RESULTING FROM CONSTRUCTION OR DEMOLITION TO PREVENT SPREAD OF DUST TO OTHER BUILDINGS AND TO AVOID CREATION OF A NUISANCE IN SURROUNDING AREAS.USE OF WATER TO CONTROL DUST WILL NOT BE ALLOWED WHEN IT WILL RESULT IN, OR CREATE HAZARDOUS OR OBJECTIONABLE
2. CONDITIONS SUCH AS FLOODING.

TRAFFIC MAINTENANCE: CONDUCT REMOVAL OPERATIONS TO MAINTAIN TRAFFIC ALONG EXISTING STREETS AND WALKS. KEEP PAVED STREETS AND WALKWAYS FREE OF DEBRIS. REMOVE MATERIAL AND OTHER MATTER TRACKED OR FALLEN ONTO TRAFFIC SURFACES.

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DEMOLITION NOTES

1. ORGANIZE AND PERFORM DEMOLITION WORK TO AVOID DAMAGE TO CONSTRUCTION INTENDED TO REMAIN.
2. DEMOLITION AND TRANSPORTATION OF DEBRIS SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS COVERING THESE OPERATIONS. FEES SHALL BE PAID BY THE CONTRACTOR.
3. DEMOLITION AND REMOVAL OPERATIONS SHALL BE CONDUCTED IN AN EXPEDIENT MANNER, WITH PRECAUTIONS TAKEN TO PREVENT DEMOLITION SITE FROM BEING AN "ATRACTIVE NUISANCE".

PERFORM REMOVAL WORK INDICATED ON DRAWINGS IN AN ORDERLY MANNER ACCORDING TO ACCEPTED CONSTRUCTION. PROTECT WORK SPECIFIED TO REMAIN. PROTECT ADJACENT AREAS FROM DAMAGE OR UNDUE DIRT AND DUST. WET DOWN DEBRIS OR RUBBISH, IF NECESSARY,TO MINIMIZE FLYING DUST.

DERM
PLAN REVIEW
FINAL
APPROVAL
DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT
CORE/SEWER (PRINT) Elias D.A. 3.4.16
SIGNATURE DATE
M20160024 36

PUBLIC WORKS
PLAN REVIEW NOTICE

Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

-All work, materials and equipment are to be retained within private property.

-All construction and /or use of equipment in the Right of Way and/or easements will require a separate Public Works Department permit PRIOR TO START OF CONSTRUCTION.

-Prior to start any excavation in the right of way you must contact Sunshine State One Call of Florida (1-800-432-4770) no later than 48 hours prior to the excavate; you cannot start the work if the utilities have not been ...ation at the job site.

SCOPE OF WORK

1– PROPOSED NEW RESTAURANT AT EXISTING VACANT SPACE 1,284 S.F.
2– PROPOSED NEW INTERIOR PARTITIONS
3– CONTRACTOR TO REPAIR EXISTING DEMISSING WALLS
4– PROPOSED KITCHEN WITH HOOD AND FIRE SUPPRESION SYSTEM
5– PROPOSED NEW HIS AND HERS ACCESSIBLE RESTROOMS
6– PROPOSED SEATING AREA FOR 47 OCCUPANTS
7– PROPOSED MECHANICAL WORK TO COMPLY
8– PROPOSED ELECTRICAL WORK TO COMPLY
9– PROPOSED PLUMBING WORK TO COMPLY

LEGAL DESCRIPTION

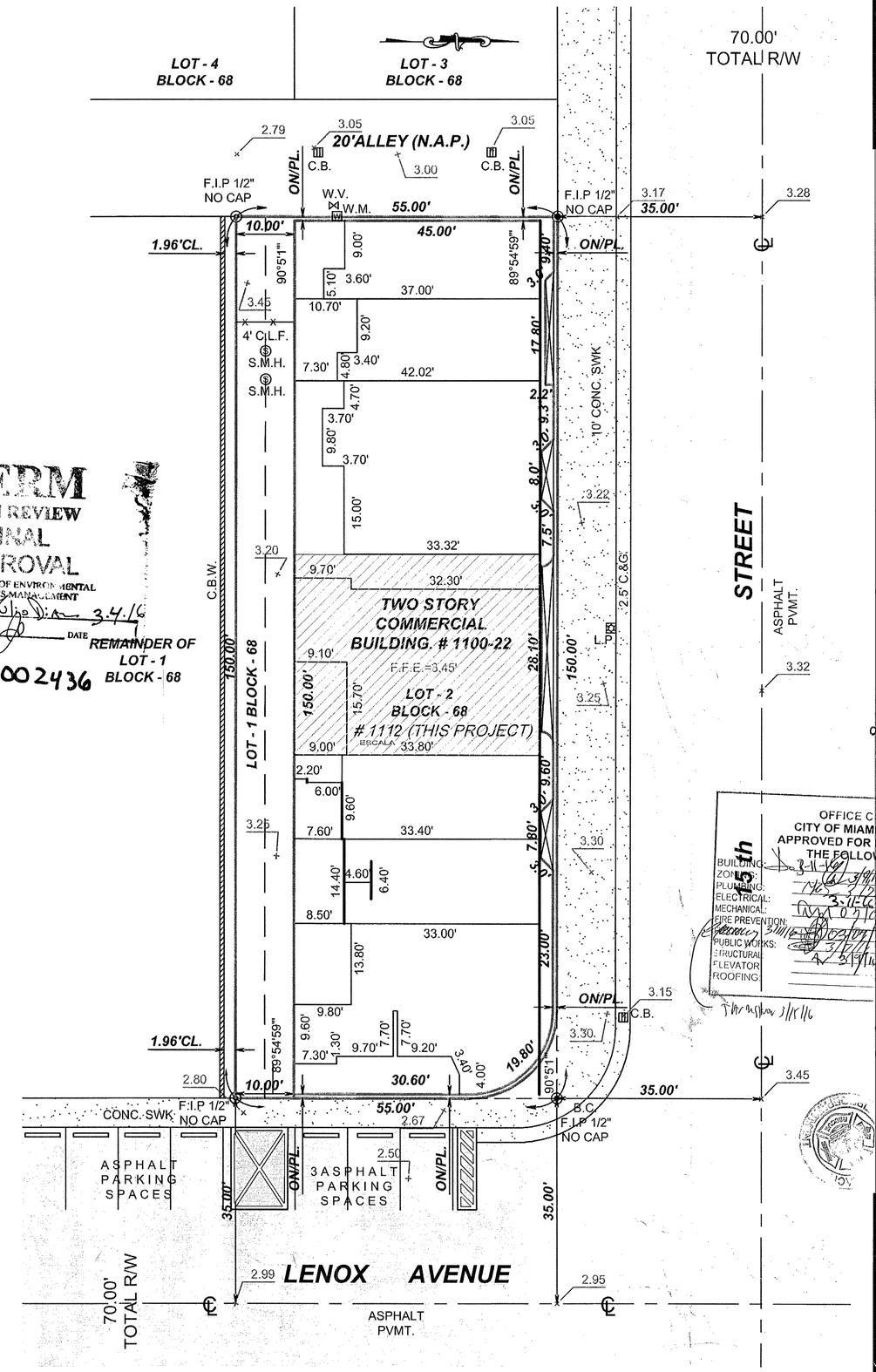
LOT 2 & NORTH 5 FT OF LOT 1 BLOCK 68, OF COMMERCIAL SUB. PB 6, PG 5, OF THE PUBLIC RECORDS OF MIAMI–DADE COUNTY, FLORIDA

ALTERATION LEVEL 2
BUILDING USE CD-1 COMM. LOW DENSITY
EXISTING BUILDING CONSTRUCTION TYPE III (B)
PROPOSED OCCUPANCY CLASSIFICATION A-2
2014 FBC

OCCUPANTS LOAD CALCULATION:

SPACE	AREA	LOAD FACTOR	CAL. LOAD
SEATING AREA	695 SF	1:15 SF	46 OCCUPANTS
KITCHEN	358 SF	1:100 SF	3 OCCUPANTS
TOTAL CALCULATED OCCUPANCY LOAD= 49 OCCUPANTS			

1



REVISIONS		
NUMBER	DESCRIPTION	DATE
1	CITY COMMENTS	12-10-2015

BLUE
SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

THESE DRAWINGS AND DESIGNS ARE THE PROPERTY OF RUBEN J. PUJOL AIA AND ARCHITECH DESIGN GROUP LLC AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN CONSENT.

12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT

THIS SHEET HAS BEEN REVISED/REPLACED ORIGINAL SIGNATURE STAMP REMAINS VALID

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

BUILDING:	3-11-16
ZONING:	3/15/16
PLUMBING:	3/15/16
ELECTRICAL:	3-11-16
MECHANICAL:	03/10/16
FIRE PREVENTION:	3/11/16
PUBLIC WORKS:	3/11/16
STRUCTURAL	
ELEVATOR	
ROOFING	3-11-16

CLIENT: 3/9/16
KABOBS

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

PROJECT ADDRESS:
1112 - 15 STREET,
MIAMI BEACH, FL.

THIS SHEET HAS BEEN REVISED/REPLACED ORIGINAL SIGNATURE STAMP REMAINS VALID

DRAWING TITLE:

SITE PLAN

SCALE: 3/32" = 1'-0"

DESCRIPTION	SEAL AND SIGNATURE:
PROJECT NUMBER: 2015-109	STATE OF FLORIDA RUBEN J. PUJOL AR0010458 REGISTERED ARCHITECT 2/25/16
DATE: 10-06-2015	
DRAWN BY: EF	
APPROVED BY: R.J.P.	
SHEET NUMBER	
1 of 7	

SITE NOTES

1. PROVIDE ALL SITE CLEARING, EXCAVATION, FILL, BACKFILL
2. TREES TO REMAIN AND/OR RELOCATE AS SELECTED BY
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3. UTILITIES PRIOR TO CONSTRUCTION; FOR WATER LINES, IRRIGATION SYSTEMS AND ANY CONCEALED INSTALLATIONS DAMAGED.
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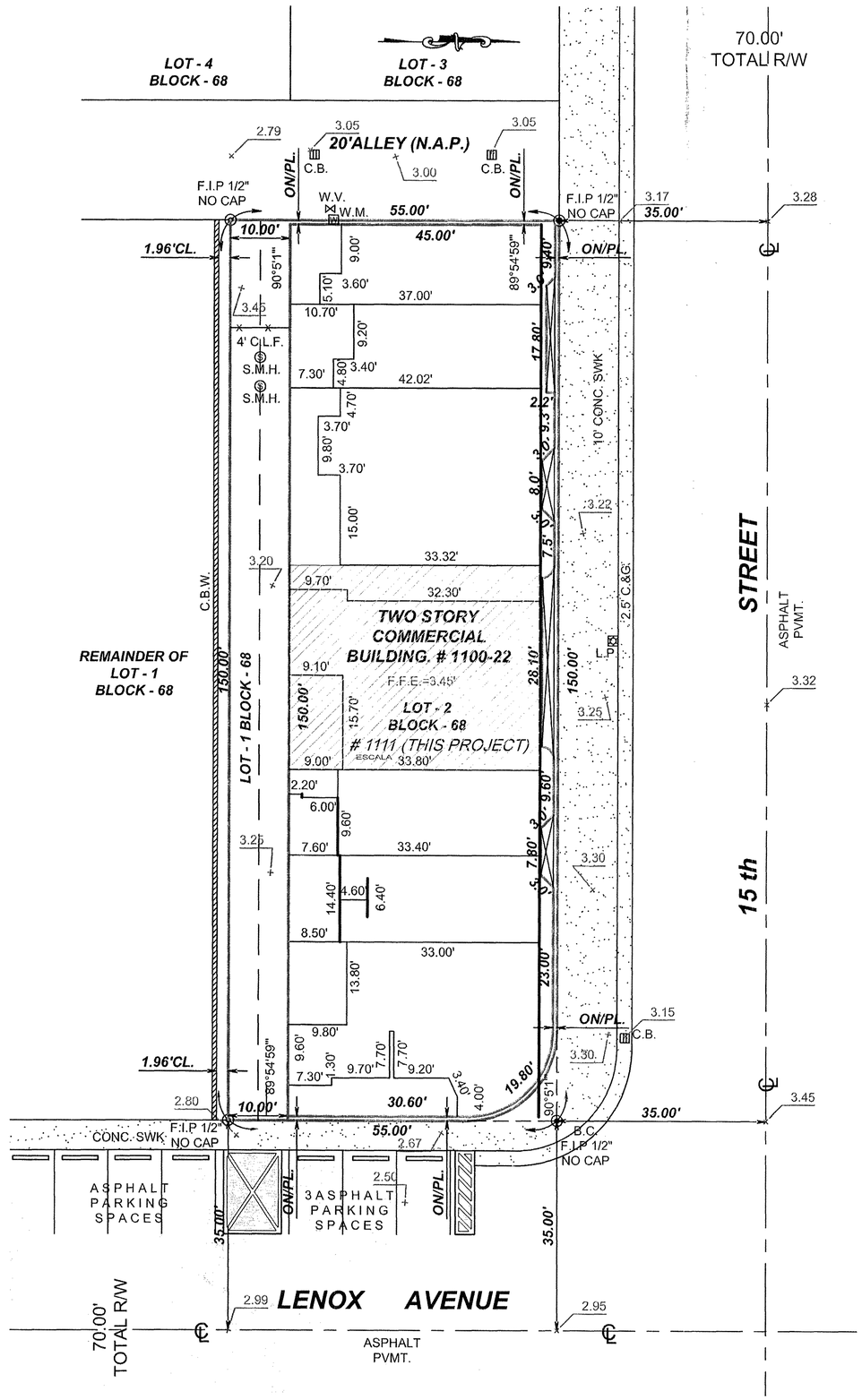
LOT 2 & NORTH 5 FT OF LOT 1 BLOCK 68, OF COMMERCIAL SUB. PB 6, PG 5, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA

ALTERATION LEVEL 2
BUILDING USE CD-1 COMM. LOW DENSITY
EXISTING BUILDING CONSTRUCTION TYPE III (B)
PROPOSED OCCUPANCY CLASSIFICATION A-2
2014 FBC

OCCUPANTS LOAD CALCULATION:

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TOTAL CALCULATED OCCUPANCY LOAD= 40 OCCUPANTS			

2



REVISIONS		
NUMBER	DESCRIPTION	DATE
1	CITY COMMENTS	12-10-2015
2	CITY COMMENTS	03-07-2016

BLUE SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

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12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT

PROJECT ADDRESS:

1112 - 15 STREET,
MIAMI BEACH, FL.

CLIENT:

KABOBS

DRAWING TITLE:

SITE PLAN

SCALE: 3/32" = 1'-0"

DESCRIPTION	
PROJECT NUMBER:	2015-109
DATE:	10-06-2015
DRAWN BY:	EF
APPROVED BY:	R.J.P.
SHEET NUMBER	

A-1

1 of 7

SEAL AND SIGNATURE:

STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT
03/08/16

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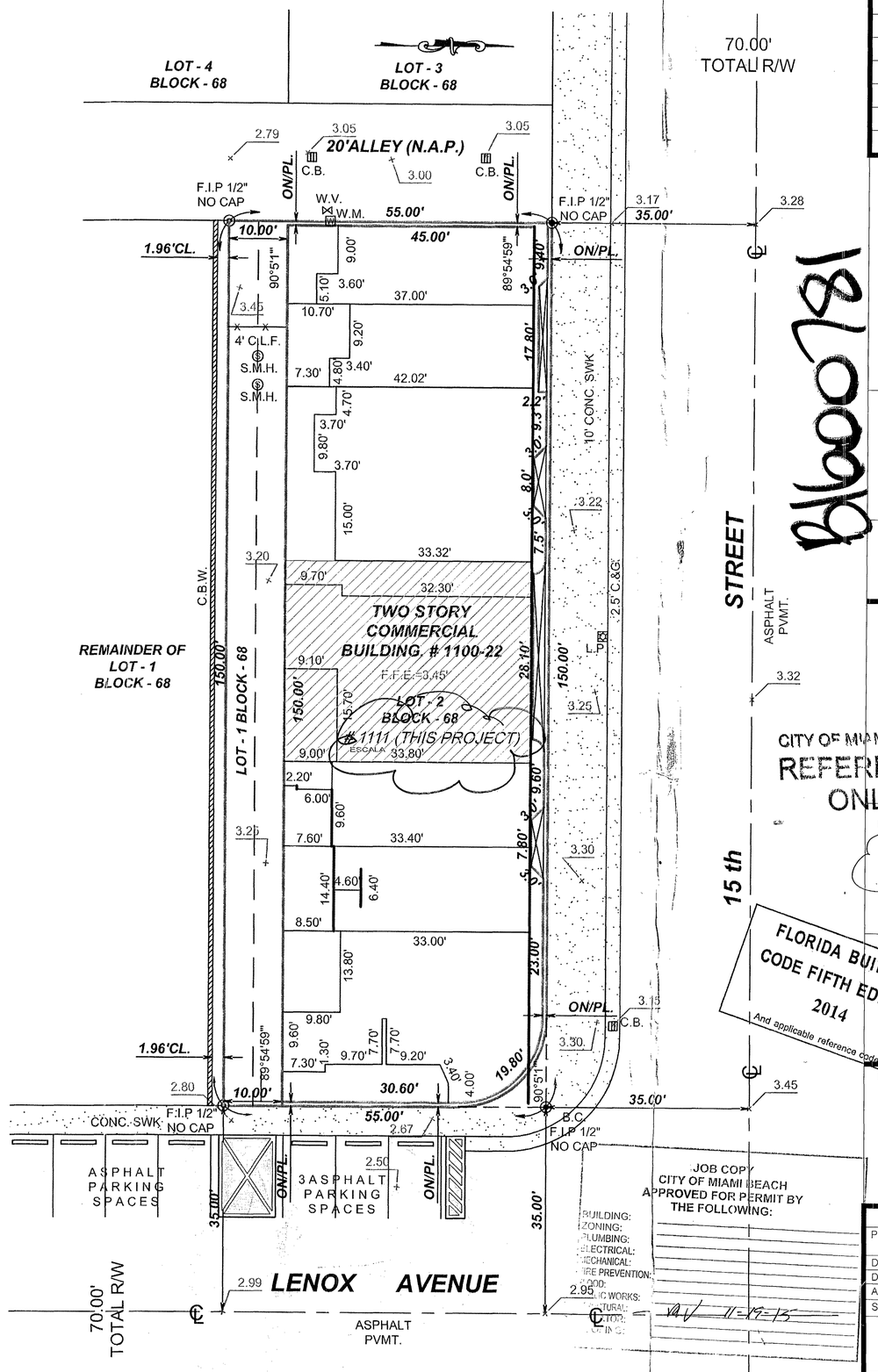
LEGAL DESCRIPTION

LOT 2 & NORTH 5 FT OF LOT 1 BLOCK 68, OF COMMERCIAL SUB. PB 6, PG 5, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA

ALTERATION LEVEL 2
BUILDING USE CD-1 COMM. LOW DENSITY
EXISTING BUILDING CONSTRUCTION TYPE III (B)
PROPOSED OCCUPANCY CLASSIFICATION A-2
2014 FBC

OCCUPANTS LOAD CALCULATION:

SPACE	AREA	LOAD FACTOR	CAL. LOAD
SEATING AREA	695 SF NET	1:15 SF	47 OCCUPANTS
KITCHEN	458 SF GROSS	1:200 SF	2 OCCUPANTS
TOTAL CALCULATED OCCUPANCY LOAD= 49 OCCUPANTS			



JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
PW:
PUBLIC WORKS:
STRUCTURAL:
11-12-15

REVISIONS		
NUMBER	DESCRIPTION	DATE

BLUE SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

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12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT DELI

CITY OF MIAMI BEACH
REFERENCE ONLY

ROAD FIRE SCHOOL
IMPACT FEE PAID
M2016 0002136
FEB 04 2016
MIAMI-DADE COUNTY
APPROVED

PROJECT ADDRESS:
1112 - 15 STREET,
MIAMI BEACH, FL.

FLORIDA BUILDING
CODE FIFTH EDITION
2014
And applicable reference codes

CLIENT:
JANS JENS

DRAWING TITLE:

SITE PLAN

SCALE: 3/32" = 1'-0"

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

DESCRIPTION	SEAL AND SIGNATURE:
PROJECT NUMBER: 2015-109	
DATE: 10-06-2015	
DRAWN BY: EF	
APPROVED BY: R.J.P.	
SHEET NUMBER	

A-1

1 of 7

STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT
11/11/2015

FLORIDA BUILDING
CODE FIFTH EDITION
2014

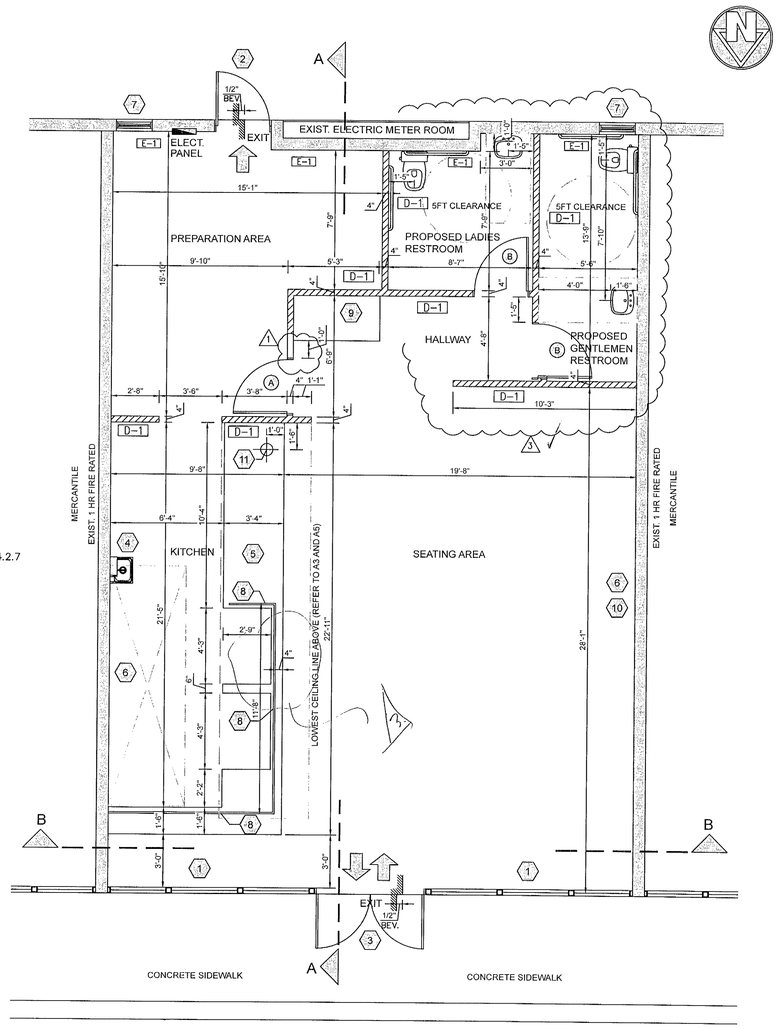
ALTERATION LEVEL 2
EXISTING BUILDING CONSTRUCTION TYPE III (B)
OCCUPANCY CLASSIFICATION ASSEMBLY GROUP A-2

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE, 2010 EDITION AND ALL LOCAL ORDINANCES GOVERNING.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING THE WORK.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SAFETY RELATED O.S.H.A. REQUIREMENTS DURING CONSTRUCTION.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED AND INSURED STATE CERTIFIED GENERAL CONTRACTOR OR BY THE OWNER IF APPROVED BY THE LOCAL BUILDING DEPARTMENT OFFICIAL.
5. CONTRACTOR SHALL REPLACE/REPAIR ALL EXISTING FLOOR COORDINATE WITH OWNER
6. SECONDARY MEANS OF ESCAPE SHALL CONFORM TO N.F.P.A. 22-2.1.2.C. WINDOWS USED AS SECOND MEANS OF ESCAPE MUST PROVIDE A CLEAR OPENING (WHEN FULLY OPENED) OF NOT LESS THAN TWENTY INCHES (20") IN WIDTH, TWENTY FOUR INCHES (24") IN HEIGHT AND 5.7 SQUARE FEET IN AREA; AND THE BOTTOM OF THE OPENING SHALL NOT BE MORE THAN FORTY FOUR INCHES (44") OFF THE FLOOR.
7. WOOD TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR ARCHITECT'S APPROVAL PRIOR TO TRUSS FABRICATION. WOOD TRUSSES SHALL BE DESIGNED BY A FLORIDA REGISTERED P.E.
8. WALL AND CEILING SHALL HAVE SPREAD INDEX OF NOT GREATER THAN 200 AND SMOKE-DEVELOPED INDEX OF NOT GREATER THAN 450 AS PER FBC R302.9
9. ALL INSULATION MATERIAL SHALL HAVE A SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NO MORE THAN 450 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723 – FBC R302.10.1
10. DOOR HANDLES, PULLS, ETC. TO BE EASILY GRASPABLE AND OPERABLE. 2010 FACBC 404.2.7
11. ALL FIRE-RATED/SMOKE WALLS & PARTITIONS SHALL BE PERMANENTLY IDENTIFIED. SIGNAGE SHALL BE REPEATED AT INTERVALS NOT EXCEEDING 30 FT. AND INCLUDE LETTERING NOT LESS THAN 0.5 INCHES IN HEIGHT. SUGGESTED WORDING: "FIRE AND SMOKE BARRIER-PROTECT ALL OPENINGS."-FBC'10 703.6.
12. DOORS TO BE OPENABLE WITH NOT MORE THAN 1 SINGLE RELEASING OPERATION AS PER FBC '10 1008.1.9.2.
13. FIRE RATED DOORS SHALL BE SELF CLOSING IN ACCORDANCE WITH 2010 FBC 715.4.8

FLOOR PLAN NOTES:

1. EXISTING FLOOR TO CEILING GLASS AND ALUMINUM STORE FRONT TO REMAIN
2. EXISTING 36" METAL DOOR TO REMAIN
3. EXISTING 72" DOUBLE STORE FRONT ALUM. GLASS DOOR TO REMAIN. (1)
4. PROPOSED HANDS SINK
5. PROPOSED NEW COUNTER (SEE DETAIL AT A6)
6. CONTRACTOR TO REPAIR EXISTING DEMISSING WALL AS REQUIRED. (1HR FIRE RATED UP TO ROOF DECK)
7. EXISTING WINDOW TO REMAIN
8. PROPOSED FRAMELESS CAT II SFTY GLASS WALL (BY OTHERS)
9. PROPOSED CABINET WITH COUNTER WITH SODA MACHINE ON TOP (BY OTHERS)
10. WOOD SIDING (BY OTHERS/OWNER TO COORDINATE)
11. 8"ø ROUND GARBAGE OPENING



FLOOR PLAN

SCALE: 1/4"=1'-0"

WALL LEGEND

- EXIST. 8" DEMISSING WALL WITH R-11 INSULATION
- EXIST. 8"CBS WALL (EXTERIOR)
- PROPOSED 5 / 8" G.W.B. EA. SIDE ON 3-5 / 8" METAL STUDS 22 GAUGE @ 16"O.C.

APPLICABLE CODES:

2014 FLORIDA BUILDING CODE (FBC)
2014 FLORIDA ACCESIBILITY CODE (FAC)
2014 FLORIDA FIRE PREVENTION CODE, 5TH EDITION (1)

DOOR SCHEDULE

DOOR	TYPE	MATERIAL	SIZE (1)	SADDLE	JAMB	REMARKS
A	H.C. FLUSH	WOOD	3'-0"X6'-8"	NONE	WOOD	PANIC BAR / SELF CLOSING
B	H.C. FLUSH	WOOD	3'-0"X6'-8"	NONE	WOOD	

REQ'D/PROVIDED PLUMBING FIXTURES 2014 FBCP TABLE 403.1: (2)

W/C --------- 1 PER 50 ------ PROVIDED 2 FOR 40 OCCUPANTS
LAVATORIES ---- 1 PER 50 ---- PROVIDED 2 FOR 40 OCCUPANTS

FINISH NOTES:

FLOORING
F1 VINYL COMPOSITION TILE MANUFACTURER: ARMSTRONG
MODEL: 12" X 12" EXCELON
COLOR: STANDARD EXCELON (51836 SHELTER WHITE)
FINISH: SEALED AND POLISHED.
F2 CERAMIC TILE MANUFACTURER: TBD
MODEL: TBD
DIMENSION: TBD
COLOR: TBD
GROUT: TBD
F3 QUARRY TILE MANUFACTURER: "DAL-TILE"
FINISH: NON-SLIP SURFACE
SIZE: 6" X 6"
COLOR: TO BE DETERMINED.
INSTALLATION: SET IN EXPOY GROUT

BASE
B1 MANUFACTURER: TBD
MODEL: QUARRY TILE BASE
COLOR: TBD
B2 MANUFACTURER: TBD
MODEL: TBD
PRODUCT: TBD
COLOR: TBD
B3 MANUFACTURER: TBD
MODEL: VYNIL BASE BOARD
COLOR: TBD

WALLS
P PRIMER
W1 (PAINT 2 COATS MINIMUM REQUIRED)
MANUFACTURER: BENJAMIN MOORE
MODEL: FLAT LATEX #1464 (VERIFY COLOR WITH OWNER)
W2 MANUFACTURER: PITTSBURG
MODEL: No.16-802 EPOXY
COLOR: WHITE (VERIFY COLOR)
PAINTING NOTES:
FOR SURFACE PREPARATION DETAILS & INFORMATION CONTACT
1) "SHERWIN WILLIAMS" AT 1-800-321-8194
ALL COLORS TO BE SELECTED BY A/E & OWNER AT LATER DATE.
2) ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL TO BE PAINTED D.S.C. OF
3) GREY RUSTOLEUM AND ONE FIELD COAT AS SPECIFIED ON DRAWINGS.

CEILING
DROP-IN CEILING:
C1 MANUFACTURER: ARMSTRONG
MODEL: MINABOARD FISSURED No. 7558 CLASS A -ASTM E-84
SIZE: 24"x24"x5/8" LAY-IN FOR 15/16" GRID
15/16" prelude exposed tee grid system.
C2 5/8" GYPSUM WALLBOARD PAINTED WHITE
C3 GREASE RETARDANT ACOUSTIC TILE
NOTE: PROVIDE R-11 BATT INSULATION ABOVE GYPSUM CEILING

MILLWORK
MANUFACTURER: WILSONART (TOILETS)
COLOR: # D-421-60 MIDORI
ALL EXPOSED EXTERIOR SURFACES SHALL BE PLASTIC LAMINATED
ALL INTERIOR OF CASEWORK SHALL BE STANDARD WHITE CABINET LINER

FRAMES AND TRIM
(PAINT 2 COATS MINIMUN REQUIRED)
MANUFACTURER: BENAJAMIN MOORE
MODEL: SATIN FINISH ENAMEL
COLOR: #1464

(1) FBC NOTES:
WALLS AND PARTITIONS WITHING 2 FEET OF URINALS AND WATER CLOSETS, SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 4 FEET ABOVE THE FINISH FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.
INTERIOR WALLS, FLOOR, CEILING, DECORATIONS AND TRIM SHALL COMPLY WITH FBC CHAPTER 8.
WHERE PROVIDED, CHECK-OUT AISLES, SALES COUNTERS, SERVICE COUNTERS, FOOD SERVICE LINES, QEUES AND WAITING LINES, SHALL COMPLY WITH FAC 227 AND 904
WHERE DINING SURFACES ARE PROVIDED FOR THE CONSUMPTION OF FOOD OR DRINK, AT LEAST 5% OF THE SEATING SPACES AND STANDING SPACES AT THE DINING SURFACES SHALL COMPLY WITH F.A.C. 226 AND 902.
ALL INTERIOR FINISHES SHALL COMPLY WITH NFPA 101-10.2.2
WOOD SIDING SHALL BE FLAME RETARDANT.
PROVIDE SPLASH GUARD FOR DEEP FRYERS

FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT MAT.	WAINSCOT HGT.	CEILING MAT.	CEILING HGT.	REMARKS
SEATING AREA	SC	B2	-	GYP. P. W1	GYP. P. W1	GYP. P. W1			GYP C2	12'-0"	GYP. CEILING (SEE SECTION)
SERVING AREA	SC	B2	-	-	GYP. P. W1	-			GYP C2	8'-0"	GYP. DROPPED CEILING (SEE SECTION)
STORAGE ROOM	VCT F1	V B2	GYP. P. W1	GYP. P. W1	GYP. P. W1	GYP. P. W1			ACT C1	8'-0"	2 x 4 FIRE RATED ACOUSTICAL CLG
HALLWAY	SC	CT B2	GYP. P. W1	GYP. P. W1	GYP. P. W1	GYP. P. W1			GYP C2	10'-0"	GYP. CEILING (SEE SECTION)
LADIES RESTROOM	SC	CT B2	GYP. P. W1	GYP. P. W1	GYP. P. W1	GYP. P. W1			GYP C2	10'-0"	GYP. CEILING (SEE SECTION)
MEN RESTROOM	SC	V B3	GYP. P. W1	GYP. P. W1	GYP. P. W1	GYP. P. W1			GYP C2	10'-0"	GYP. CEILING (SEE SECTION)
KITCHEN	QT F3	QT B1	-	P. W1	GYP. P. W1	-			ACT C3	12'-0"	2 x 4 FIRE RATED ACOUSTICAL CLG
PREPARATION AREA	QT F3	QT B1	GYP. P. W1	P. W1	GYP. P. W1	GYP. P. W1			ACT C3	8'-0"	2 x 4 FIRE RATED ACOUSTICAL CLG

LEGEND:

ACT ACOUSTICAL CEILING TILE
CT CERAMIC TILE
SC SMOOTH CONCRETE
V VINYL COVE
P PAINT
VCT VINYL COMPOSITION TILE
GYP GYPSUM WALLBOARD
QT QUARRY TILE

REVISIONS		
NUMBER	DESCRIPTION	DATE
1	CITY COMMENTS	12-20-2015
2	CITY COMMENTS	03-07-2016
3	CITY COMMENTS	03-11-2016

BLUE SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

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12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT

PROJECT ADDRESS:

1112 - 15 STREET,
MIAMI BEACH, FL.

CLIENT:

KABOBS

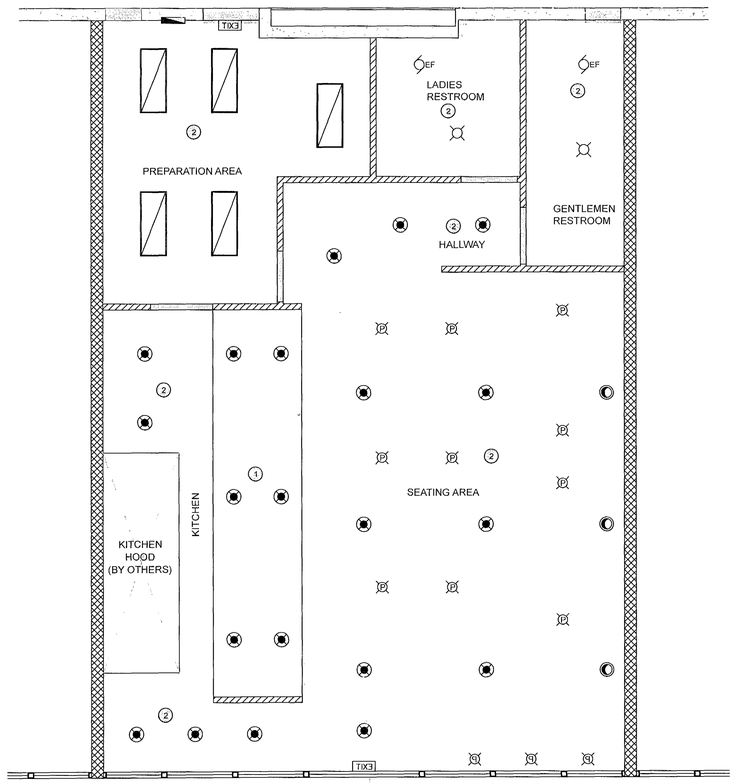
City of Miami Beach
Fire Prevention Division
PLANS APPROVED

DRAWING TITLE:

FLOOR PLAN

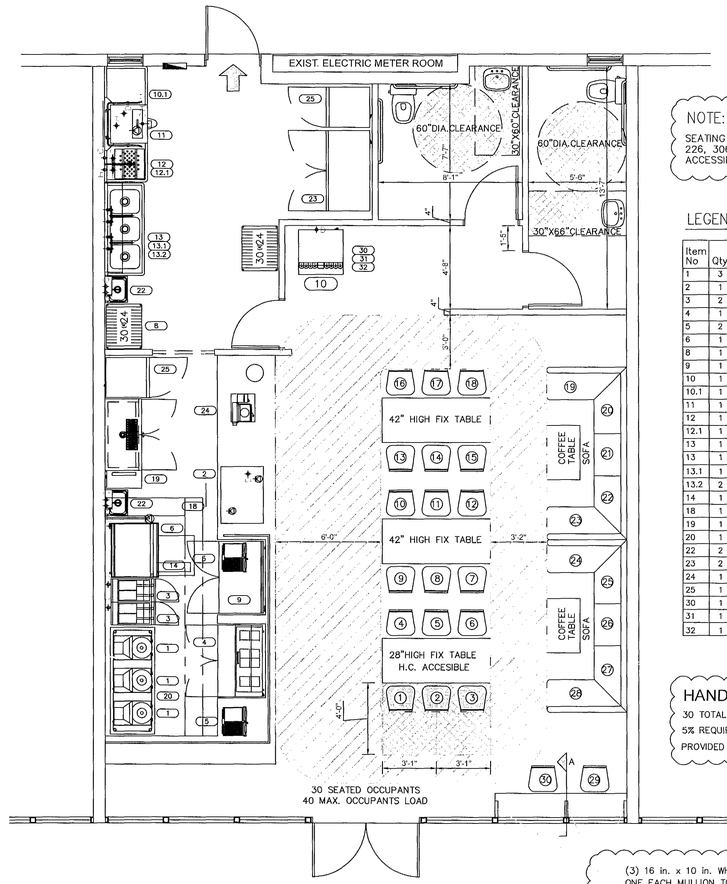
DESCRIPTION	SEAL AND SIGNATURE:
PROJECT NUMBER: 2015-109	
DATE: 10-06-2015	
DRAWN BY: EF	
APPROVED BY: R.J.P.	
SHEET NUMBER	
A-2	
2 of 7	

STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT
3/11/2016



CEILING PLAN

SCALE: 1/4"=1'-0"



15TH STREET

EQUIPMENT / SEATING PLAN

SCALE: 1/4"=1'-0"

NOTE:
SEATING CAPACITY TO COMPLY WITH SECTIONS 226, 306 AND 902 OF THE 2014 FLORIDA ACCESSIBILITY CODE

LEGEND

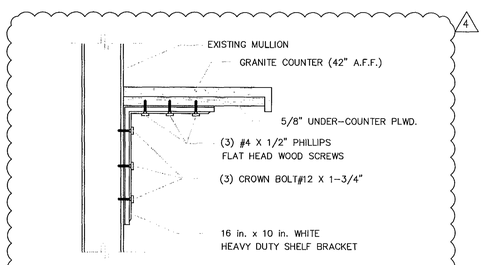
Item No	Qty	Equipment Category
1	3	Broiler, Vertical
2	1	Refrigerated Service Drop-In Counter Case
3	2	Fryer, Deep Fat, Gas
4	1	Refrigerator, Sandwich/Salad Prep
5	2	Panini Grille, Half Smooth/Half Ridged Plate
6	1	Griddle, Gas
8	1	Shelving 30" X 24"
9	1	Refrigerator, Worktop
10	1	Over counter Dispenser, Ice/Beverage
10.1	1	Dishtable, Straight
11	1	Warewasher, Door Type, Low Temp
12	1	Dishtable, Straight
12.1	1	Pre-Rinse Faucet, Deck Mount
13	1	Ice Maker w/o Bin
13	1	Sink, NSF, 3 comp, 16 gauge
13.1	1	Pot Rack, Wall Mount
13.2	2	Faucet, Wall Mount
14	1	Refrigerator, Shorty
18	1	Exhaust Hood System
19	1	Dispenser, Beer
20	1	Custom Worktable 72" x 30"
22	2	Hand Sink, Wall Mount
23	2	Freezer, Reach-In
24	1	KCL POS Terminal
25	1	Refrigerator, Reach-In
30	1	Dispenser, Ice/Beverage
31	1	Ice Maker w/o Bin
32	1	Filter System, Fountain Beverage

HANDICAP ACCESIBLE SEATING
30 TOTAL SEATED OCC.
5% REQUIRED H.C. ACCESIBLE= 1.5
PROVIDED (2) 30" WIDE SPACES.

(3) 16 in. x 10 in. WHITE HEAVY DUTY SHELF BRACKET ONE EACH MULLION TO SUPPORT COUNTER. FASTENED TO MULLION WITH (3) CROWN BOLT#12 X 1-3/4" HEX HEAD SHEET MTL. SCREWS. AND TO 5/8" UNDER-COUNTER PLWD. WITH (3) #4 X 1/2" PHILLIPS FLAT HEAD WOOD SCREWS

LEGEND

	CEILING MOUNTED INCANDESCENT
	PENDANT LIGHT FIXTURE
	RECESSED CAN FIXTURE
	RECESSED EYEBALL FIXTURE
	24"x48" 4 BULB FLUORESCENT
EF	CEILING EXHAUST FAN WITHOUT LIGHT
	CEILING EXHAUST FAN AND LIGHT COMBINATION
EXIT	EXIT SIGN
1	METAL FRAMING STRUCTURE WITH ½"DRYWALL FLAT FINISHED (REFER TO SECTION) 8'-0"AFF.
2	1HR FIRE RATED 5/8" DRYWALL CLG. 12'-0"AFF.(SEE DETAIL@A6)
	METAL FRAME PARTITION TYP. (REFER TO PARTITION DETAIL)
	EXISTING DEMISSING WALL 2HR FIRE RATED (SEE ASSY. DETAIL)
	EXISTING CBS WALL



DETAIL "A"

N.T.S.

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

REVISIONS		
NUMBER	DESCRIPTION	DATE
1	COMMENTS	12-8-15
2	COMMENTS	03-07-2016
3	COMMENTS	03-11-2016
4	COMMENTS	03-14-2016

BLUE SYSTEMS UNITED

RUBEN JUAN PUJOL
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12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT

PROJECT ADDRESS:
1112 - 15 STREET,
MIAMI BEACH, FL.

CLIENT:
KABOBS

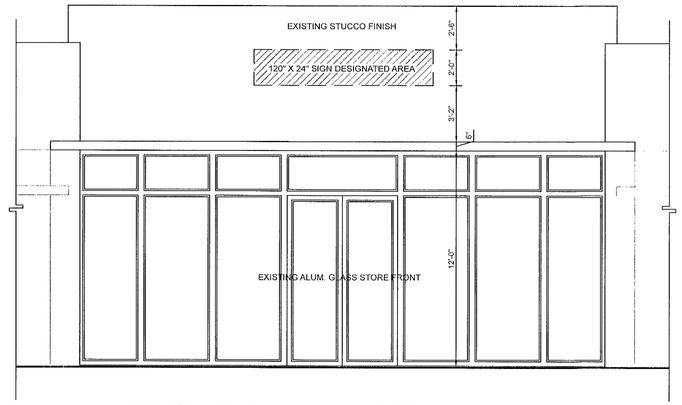
DRAWING TITLE:

EQUIPMENT PLAN
CEILING PLAN

DESCRIPTION	
PROJECT NUMBER:	2015-109
DATE:	10-06-2015
DRAWN BY:	EF
APPROVED BY:	R.J.P.
SHEET NUMBER	
A-3	
3	of 7

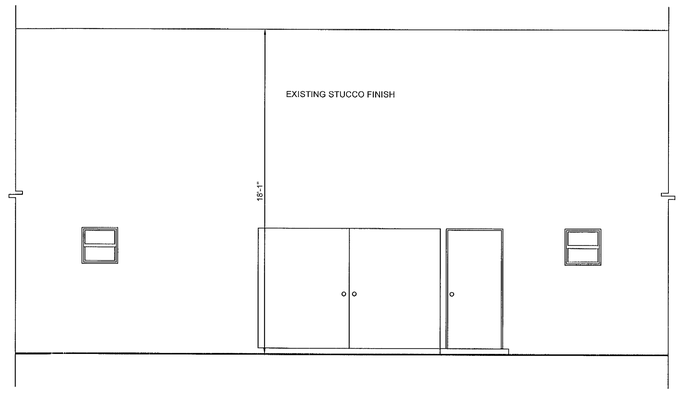
SEAL AND SIGNATURE:

STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT
03/15/2016



FRONT ELEVATION

SCALE: 1/4"=1'-0"



REAR ELEVATION

SCALE: 1/4"=1'-0"

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

REVISIONS		
NUMBER	DESCRIPTION	DATE

BLUE
SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

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12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT DELI

PROJECT ADDRESS:

1112- 15 STREET,
MIAMI BEACH, FL.

CLIENT:

JAN JENS

DRAWING TITLE:

ELEVATIONS

DESCRIPTION	
PROJECT NUMBER:	2015-109
DATE:	10-06-2015
DRAWN BY:	EF
APPROVED BY:	R.J.P.
SHEET NUMBER	

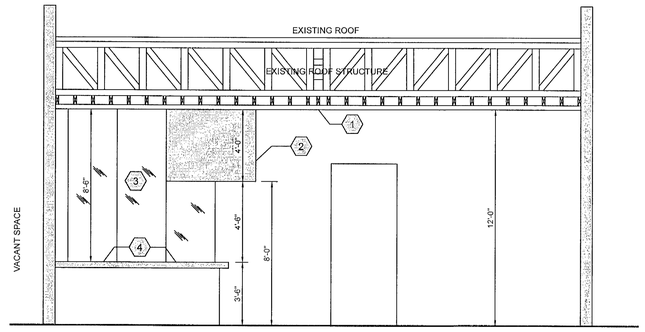
A-4

4 of 7

SEAL AND SIGNATURE:

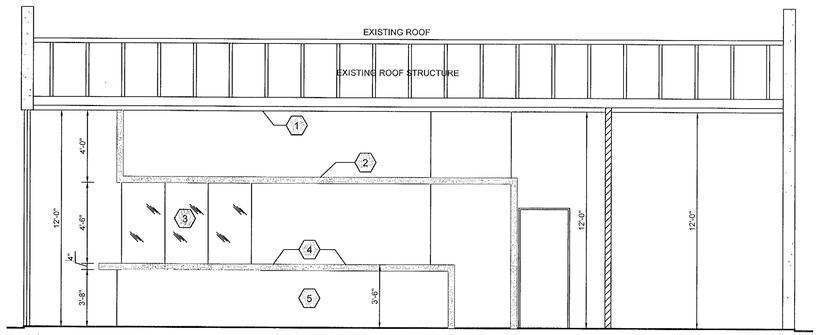
STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT

11/19/2015



SECTION B-B

SCALE: 1/4"=1'-0"

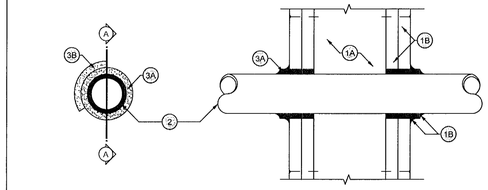


SECTION A-A

SCALE: 1/4"=1'-0"

SECTION NOTES

1. DRYWALL CEILING (AFF 12'-0") REFER TO CLG. DETAIL AT SHEET A-6
2. PROPOSED DECORATIVE CEILING (3-5/8"MTL STUDS @ 16"O.C. EACH WAY, COVERED W/1/2"GWB ALL SIDES) AFF 8'-0"
3. PROPOSED FRAMELESS GLASS WALL / COUNTER TO CEILING (BY OTHERS)
4. PROPOSED COUNTER (OWNER TO COORDINATE)
5. WOOD CLADDING FINISH (OWNER TO COORDINATE)



SECTION 'A-A'

SCALE: N.T.S.

System No. WL-2003

SYSTEM NO. WL2003 (FORMERLY SYSTEM NO. 148) P RATINGS - 1 AND 2 HR (SEE ITEM 3) T RATINGS - 1 AND 2 HR (SEE ITEM 3) L RATING AT AMBIENT - 7 CFM/SQ FT (SEE ITEM 3B) L RATING AT 400 F - LESS THAN 1 CFM/SQ FT (SEE ITEM 3B)

1. WALL ASSEMBLY

THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS RACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.

B. WALLBOARD, GYPSUM* - 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 3-1/8 IN.

2. NONMETALLIC PIPE

NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 POLYVINYL CHLORIDE (PVC) PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS. ONE PIPE TO BE CENTERED IN FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE PIPE AND THE CIRCULAR CUTOUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/4 IN. TO MAX 3/8 IN. PIPE TO BE BE RIDGILY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY.

3. FIRESTOP SYSTEM

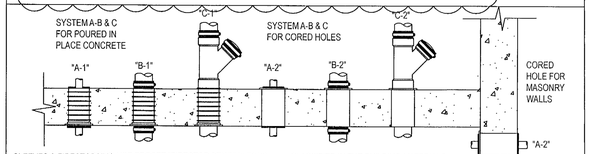
INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F AND T RATINGS FOR THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS.

A. FILL, VOID OR CAVITY MATERIALS* - WRAP STRIP - NOM 1/4 IN. THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL, SUPPLIED IN 2 IN. WIDE STRIPS. NOM 2 IN. WIDESTRIP TIGHTLY WRAPPED AROUND NONMETALLIC PIPE (FOIL SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX. 1-1/4 IN. SUCH THAT APPROX. 3/4 IN. OF THE WRAP STRIP PROTRUDES FROM THE WALL SURFACE. MINNESOTA MINING & MFG. CO. - TYPES FS-195, FS-195+

B. FILL, VOID OR CAVITY MATERIALS* - CAULK-MIN 1/4 IN. DIAM CONTINUOUS BEAD APPLIED TO LEADING EDGE OF WRAP STRIP LAYER (ITEM A) PRIOR TO INSERTION OF WRAP STRIP LAYER INTO ANNULAR SPACE. AFTER INSERTION OF WRAP STRIP LAYER IN ANNULAR SPACE, A NOM 1/4 IN. DIAM CONTINUOUS BEAD IS TO BE APPLIED TO THE WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYERS APPROX. 3/4 IN. FROM THE WALL SURFACE.

MINNESOTA MINING & MFG. CO. - TYPES CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25WB+, (NOTE: L RATINGS APPLY ONLY WHEN TYPE CP-25 WB+ CAULK IS USED.) *BEARING THE UL CLASSIFICATION MARKING.

PROSET SYSTEMS "FIRE PENETRATOR" DETAILS



SLEEVES & FIRESTOPPING USE PROSET "FIRESTOP PENETRATORS," U.L. CLASSIFIED IN THE BUILDING MATERIALS DIRECTORY, TESTED BY ASTM E814. USE ALL APPLICABLE PIPE PENETRATIONS THROUGH FIRE RATED, WALLS OR FLOOR CEILING ASSEMBLIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

A. USE SYSTEM "A" PENETRATORS FOR WATER LINES, HEATING AND COOLING LINES, FIRE STANDPIPE, AND SPRINKLER LINES AND ELECTRIC AND COMMUNICATION CONDUIT.

B. USE SYSTEM "B" PENETRATORS FOR CAST-IRON DWV PIPES CONNECTING STACKS, AND DRAINS.

C. USE SYSTEM "C" PENETRATORS FOR PLASTIC DWV PIPES CONNECTING STACKS, AND DRAINS.

1. USE CAST-IN COUPLING PENETRATORS FOR POURED-IN-PLACE CONCRETE WITH METAL OR WOOD FORMS.

2. USE CORED HOLE COUPLING PENETRATORS FOR CORED HOLES THROUGH CONCRETE FLOORS AND WALLS.

3. USE SPLIT WALL SLEEVE PENETRATORS FOR SLEEVING PIPES THROUGH GYPSUM WALLS.

SYSTEM
"A" UL FILE R10338 PROJECT 83NK24827 SYSTEM
"B" UL FILE R10338 PROJECT 82NK23016,82NK24827 SYSTEM
"C" UL FILE R10338 PROJECT 83NK24827

REVISIONS		
NUMBER	DESCRIPTION	DATE
1	COMMENTS	12-8-15
2	COMMENTS	03-07-2016
3	COMMENTS	03-11-2016

BLUE SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

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Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT

PROJECT ADDRESS:

1112 - 15 STREET,
MIAMI BEACH, FL.

CLIENT:

KABOBS

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

DRAWING TITLE:

GENERAL SECTIONS

DESCRIPTION	
PROJECT NUMBER:	2015-109
DATE:	10-06-2015
DRAWN BY:	EF
APPROVED BY:	R.J.P.
SHEET NUMBER	

A-5

5 of 7

SEAL AND SIGNATURE:

STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT

3/11/2016

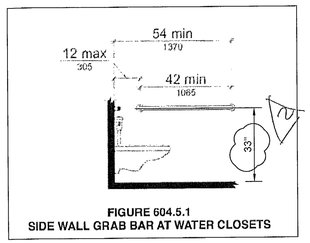


FIGURE 604.5.1
SIDE WALL GRAB BAR AT WATER CLOSETS

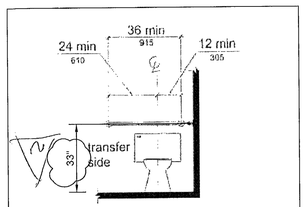


FIGURE 604.5.2
REAR WALL GRAB BAR WATER CLOSETS

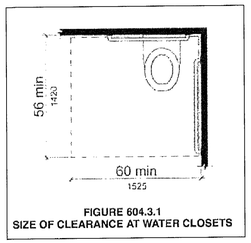
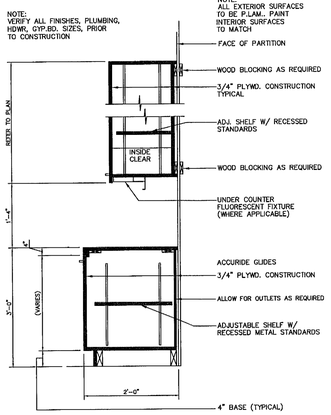
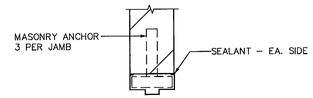


FIGURE 604.3.1
SIZE OF CLEARANCE AT WATER CLOSETS



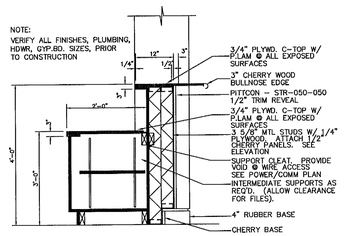
CABINETRY SECTION

N.T.S.



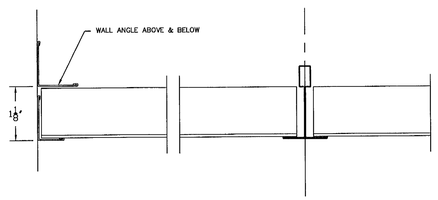
JAMB DETAIL

N.T.S.



FRONT COUNTER SECTION

N.T.S.



CLG. WALL TRIM DETAIL (TYP)

N.T.S.

INTERIOR STUD FRAMING LIMITATIONS CHART

THIS DATA IS BASED ON THE "U.S. GYPSUM CO." PRODUCT DATA FOR THE PURPOSE OF LIMITING THE HEIGHTS OF UNBRACED PARTITIONS. THE USE OF THIS DATA IS TO SET A MAXIMUM HEIGHT STANDARD FOR SUCH PARTITIONS.

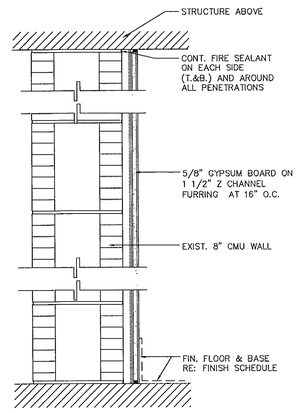
TYPICAL LIMITING HEIGHTS – INTERIOR STUD FRAMING TABLE 1

STUD DESIGN	STUD WIDTH	STUD SPACING	ALLOW. DEFL.	PARTITION HEIGHT ONE LAYER 5/8"	PARTITION HEIGHT TWO LAYERS 5/8"	FURRING ONE LAYER 5/8"
25 GAUGE (.0179 MIN.)						
158ST25	1 5/8"	16"	L/360 L/360	9'6" d 8'5" d	10'6" d 9'0" d	8'3" d 7'3" d
		24"	L/360 L/360	8'3" d 7'3" d	8'9" f 8'0" d	7'3" d 6'3" d
212ST25	2 1/2"	16"	L/360 L/360	12'6" d 10'9" d	13'6" d 11'9" d	11'0" d 9'9" d
		24"	L/360 L/360	10'9" d 9'6" d	11'3" f 10'3" d	9'9" d 8'6" d
358ST25	3 5/8"	16"	L/360 L/360	16'0" d 14'0" d	16'9" f 14'9" d	14'6" d* 12'9" d*
		24"	L/360 L/360	13'6" f 12'3" d	13'6" f 13'0" d	12'8" d* 11'0" d
400ST25	4"	16"	L/360 L/360	17'3" d 15'0" d	17'3" f 15'9" d	15'9" d* 13'9" d
		24"	L/360 L/360	14'3" f 13'0" d	14'3" f 13'9" d	13'9" d* 12'0" d
600ST25	6"	16"	L/360 L/360	20'0" f 20'0" f	20'0" f 20'0" f	20'0" f* 18'9" f
		24"	L/360 L/360	15'0" v 15'0" v	15'0" v 15'0" v	15'0" v* 15'0" v*
22 GAUGE (.0270 MIN.)						
212ST22	2 1/2"	16"	L/360 L/360	13'0" d 11'6" d	14'0" d 12'3" d	12'0" d 10'6" d
		24"	L/360 L/360	11'6" d 10'0" d	12'3" d 10'6" d	10'6" d 9'3" d
358ST22	3 5/8"	16"	L/360 L/360	17'3" d 15'0" d	18'0" d 15'9" d	16'0" d* 14'0" d*
		24"	L/360 L/360	15'0" d 13'0" d	15'9" d 13'9" d	14'0" d* 12'3" d*
400ST22	4"	16"	L/360 L/360	18'6" d 16'3" d	19'3" d 16'9" d	17'3" d* 15'0" d
		24"	L/360 L/360	16'3" d 14'0" d	16'9" d 14'9" d	15'0" d* 13'3" d
600ST22	6"	16"	L/360 L/360	25'3" d 22'0" d	26'0" d 22'9" d	23'9" d* 20'9" d
		24"	L/360 L/360	22'0" d 19'3" d	22'9" d 19'9" d	20'9" d* 18'3" d*
20 GAUGE (.0329 MIN.)						
212ST22	2 1/2"	16"	L/360 L/360	14'0" d 12'3" d	14'9" d 13'0" d	13'0" d* 11'6" d
		24"	L/360 L/360	12'3" d 10'9" d	13'0" d 11'3" d	11'6" d 10'0" d
358ST22	3 5/8"	16"	L/360 L/360	18'3" d 16'0" d	19'0" d 16'6" d	17'3" d* 15'0" d*
		24"	L/360 L/360	16'0" d 14'0" d	16'6" d 14'6" d	15'0" d* 13'3" d
400ST22	4"	16"	L/360 L/360	19'6" d 17'3" d	20'3" d 17'9" d	18'9" d* 16'3" d
		24"	L/360 L/360	17'3" d 15'0" d	17'9" d 15'6" d	16'3" d* 14'3" d*
600ST22	6"	16"	L/360 L/360	26'6" d 23'3" d	27'6" d 24'0" d	25'6" d* 22'3" d*
		24"	L/360 L/360	23'3" d 20'3" d	24'0" d 21'0" d	22'3" d* 19'6" d*

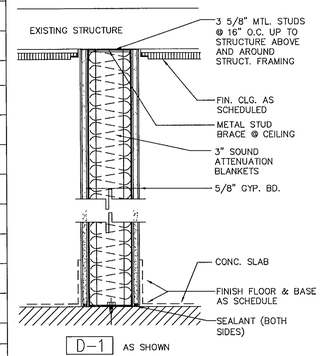
TYPICAL LIMITING HEIGHTS – CHASE WALL PARTITIONS TABLE 2

20 GAUGE (.0329 MIN.)

STUD DESIGN	STUD WIDTH	STUD SPACING	ALLOW. DEFL.	PARTITION HEIGHT GWB BOTH SIDES	PARTITION HEIGHT GWB ONE SIDE
600CH20	6"	24"	L/360	20'11" d	21'2" d



E-1 2 HOUR RATED UL# U905– 5/8" MOISTURE RESISTANT GYP. BOARD



D-1 AS SHOWN

NOTES:

1. LIMITING HEIGHT FOR 5/8" GYPSUM PANELS AND 5 PSF UNIFORM LOAD PERPENDICULAR TO PARTITION OR FURRING.
2. USE ONE–LAYER HEIGHTS FOR UNBALANCED ASSEMBLIES. USE TWO–LAYER HEIGHTS FOR MULTI–LAYER ASSEMBLIES.
3. FOR FURRING, STUD ATTACHED TO TOP AND BOTTOM RUNNERS AND FREE–STANDING UP TO 12'–0" HEIGHT.
4. *STUDS EXCEEDING 12'–0" HEIGHT REQUIRE MID–HEIGHT ANCHOR TO EXTERIOR WALL. ASSEMBLIES WITHOUT FACE PANELS AND CHASE WALLS PARTITIONS REQUIRE VERTICAL CROSS BRACES 4'–0" O.C. MAX. LIMITING CRITERIA D–DEFLECTION, F–BENDING STRESS, V–END REACTION SHEAR.
5. THE TYPICAL PHYSICAL AND STRUCTURAL PROPERTIES AND APPLICABLE TABLES PUBLISHED WITH THIS CHART REPRESENT CHARACTERISTICS AND/OR STEEL STUDS CURRENTLY AVAILABLE FROM A GROUP OF STEEL STUD MANUFACTURERS.
6. GENERAL CONTRACTOR TO CONSULT STUD MANUFACTURER FOR ACTUAL PHYSICAL AND STRUCTURAL PROPERTIES, STUD THICKNESSES AND LIMITING HEIGHT TABLES TO DETERMINE FINAL STUD SELECTION.

REVISIONS		
NUMBER	DESCRIPTION	DATE
1	COMMENTS	12-8-15
2	COMMENTS	03-11-2016

BLUE SYSTEMS UNITED

RUBEN JUAN PUJOL
ARCHITECT , P.A.
A.I.A. AR#0010458 N.A.C.A.

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12237 SW 204th TERR.
Miami,Florida 33177

PROJECT TITLE:

PROPOSED RESTAURANT

PROJECT ADDRESS:

1112 - 15 STREET,
MIAMI BEACH, FL.

CLIENT:

KABOBS

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

DRAWING TITLE:

ARCHITECTURAL DETAILS

DESCRIPTION	
PROJECT NUMBER:	2015-109
DATE:	10-06-2015
DRAWN BY:	EF
APPROVED BY:	R.J.P.
SHEET NUMBER	
A-6	
6	of 7

SEAL AND SIGNATURE:

STATE OF FLORIDA
RUBEN J. PUJOL
AR0010458
REGISTERED ARCHITECT
3/11/2016

B1601044

PROPERTY LINE
CBS FENCE
10'-0"
DUMPSTER SITE
CHAIN LINK FENCE
10'-0"

PAPA JOHN'S
1100 15 ST
MIAMI BEACH, FLA 33139

147'-9"

NOTICE: In addition to the requirement of this permit, there may be additional restrictions applicable to this property that may be found in the public Records of this County and there may be additional permits required from other governmental entities such as water management's districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for acquiring permits results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING: mm 12/2/15
ZONING: [illegible] 12-1015
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION: TA Johnson 12/2/15
FLOOD:
PUBLIC WORKS:
STRUCTURAL: Av 12/2/15
ELEVATOR:
ROOFING:

PAPA JOHN'S

MALL

MOVIE BANK

LAUNDRY
FOOD MARKET

BARBER SHOP

45'-8"

---------- 15 ST ----------

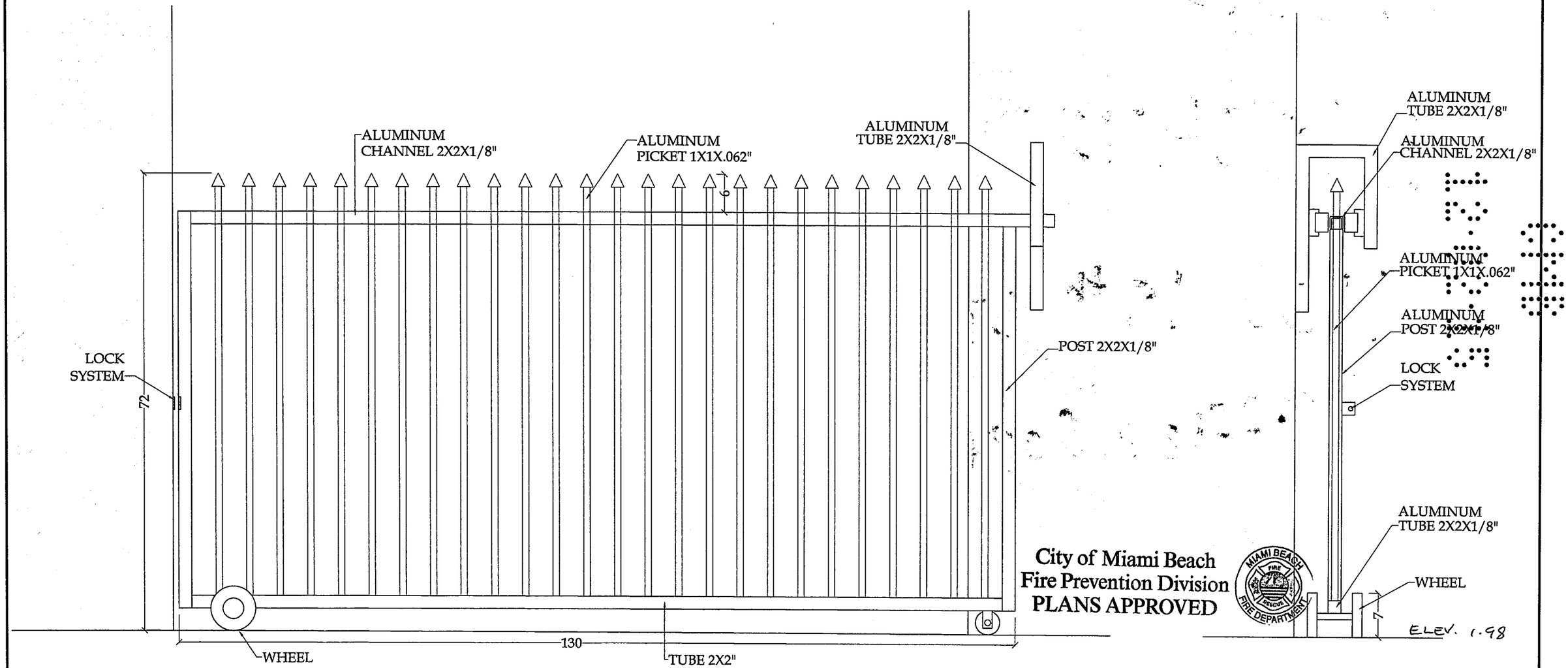
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SITE PLAN

NEW DUMPSTER GATE

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

DUMPSTER GATE



City of Miami Beach
Fire Prevention Division
PLANS APPROVED

MIAMI BEACH FIRE DEPARTMENT

ENGINEERING DEPARTMENT

UNITED
IRON & ALUMINUM CONTRACTOR

B1601044

B1504727

1100 15th ST

Office Copy

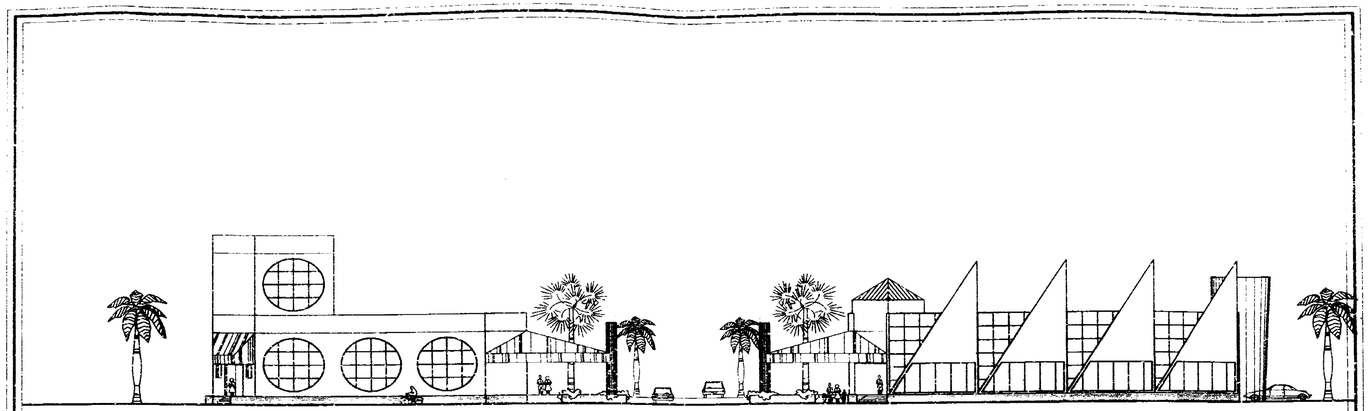
PERMIT NUMBER

B9500334

ADDRESS

45

45



SILVERSQUARE

1100 5th STREET MIAMI BEACH, FL

ZONING DATA

ZONING.....C-PS2
LOT AREA.....0.76 AC = 33,000 SF
FAR (MINIMUM ALLOWED).....2.0 = 66,000 SF
FAR (MAXIMUM ALLOWED).....2.5 = 82,500 SF
FAR (PROPOSED).....0.38 = 12,454 SF
PARKING REQUIRED.....SUBJECT TO MIXED USE
PARKING PROVIDED.....40 SPACES

BUILDING DATA

BUILDING #1
GROSS ENCLOSED FLOOR AREA.....4,167 SF
BUILDING HEIGHT ALLOWED.....75 FT
BUILDING HEIGHT PROPOSED
MAIN ROOF.....24'-10"
PENTHOUSE ROOF.....48'-6"
BUILDING #2
GROSS ENCLOSED FLOOR AREA. .....8,287 SF
BUILDING HEIGHT ALLOWED.....75 FT
BUILDING HEIGHT PROPOSED.....26'-3" FT

SHEET INDEX

ARCHITECTURAL
A1-0.....COVER SHEET
A1-1.....SITE PLAN
A2-1.....BUILDING #1 GROUND FLOOR PLAN
A2-2.....MAIN ROOF & PENTHOUSE PLAN
A2-3.....PENTHOUSE ROOF PLAN
A2-4.....BUILDING #2 GROUND FLOOR PLAN
A2-5.....BUILDING #2 ROOF PLAN
A3-1.....BUILDING #2 ELEVATIONS
A3-2.....BUILDING #1 ELEVATIONS
A4-1.....BUILDING #1 SECTIONS
A4-2.....BUILDING #1 SECTIONS
LANDSCAPING
L1-1.....LANDSCAPE PLAN
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S1-1.....BUILDING #1 FOUNDATION PLAN
S1-2.....BUILDING #2 FOUNDATION PLAN
S1-3.....FOUNDATION DETAILS
S2-1.....BUILDING #1 FRAMING PLAN
S2-2.....BUILDING #1 MAIN ROOF FRAMING PLAN
S2-3.....BUILDING #1 PH ROOF FRAMING PLAN
S2-4.....BUILDING #2 FRAMING PLAN
S2-5.....BUILDING #2 MAIN ROOF FRAMING PLAN
S3-1.....SCHEDULES & NOTES

MECHANICAL
M—.....

NOTICE TO
THIS PLAN
THE PRESENT
BUILDING C
THE AMERICANS
(202) 514-0301 IF YOU
APPLICABILITY OF THE ADA TO THIS PROJECT

DESIGN REVIEW BOARD
BOARD APPROVALS
DIRECTOR
APPR
COND
NOT APPROVED
DATE:
BY:

ELECTRICAL
E—.....

PLUMBING
P—.....

CIVIL
C—.....

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SEP 19 1995
BUILDING DEPARTMENT

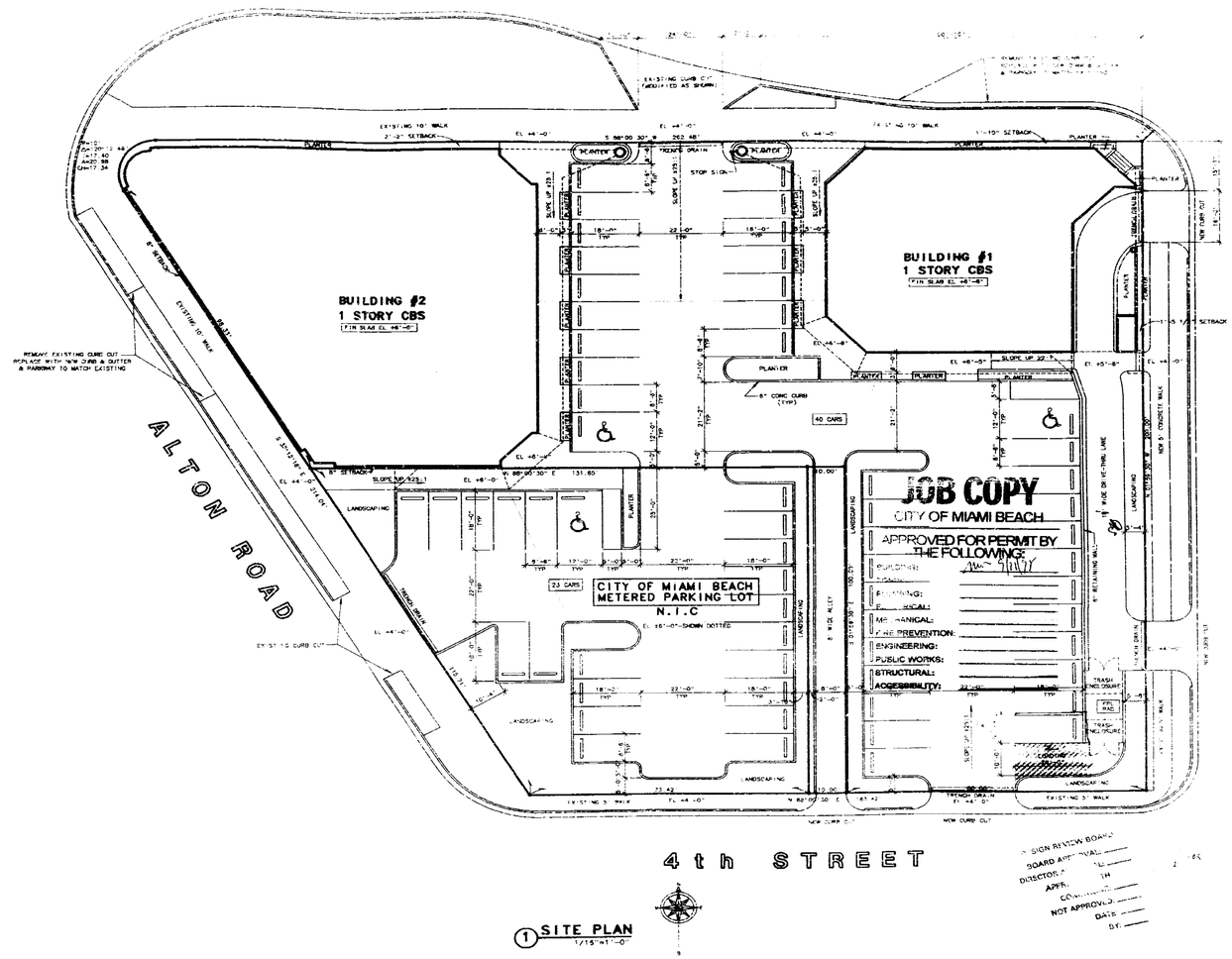
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MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

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1130 5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
COVER SHEET

A1-0

5th STREET



4th STREET

1 SITE PLAN
1/15"=1'-0"

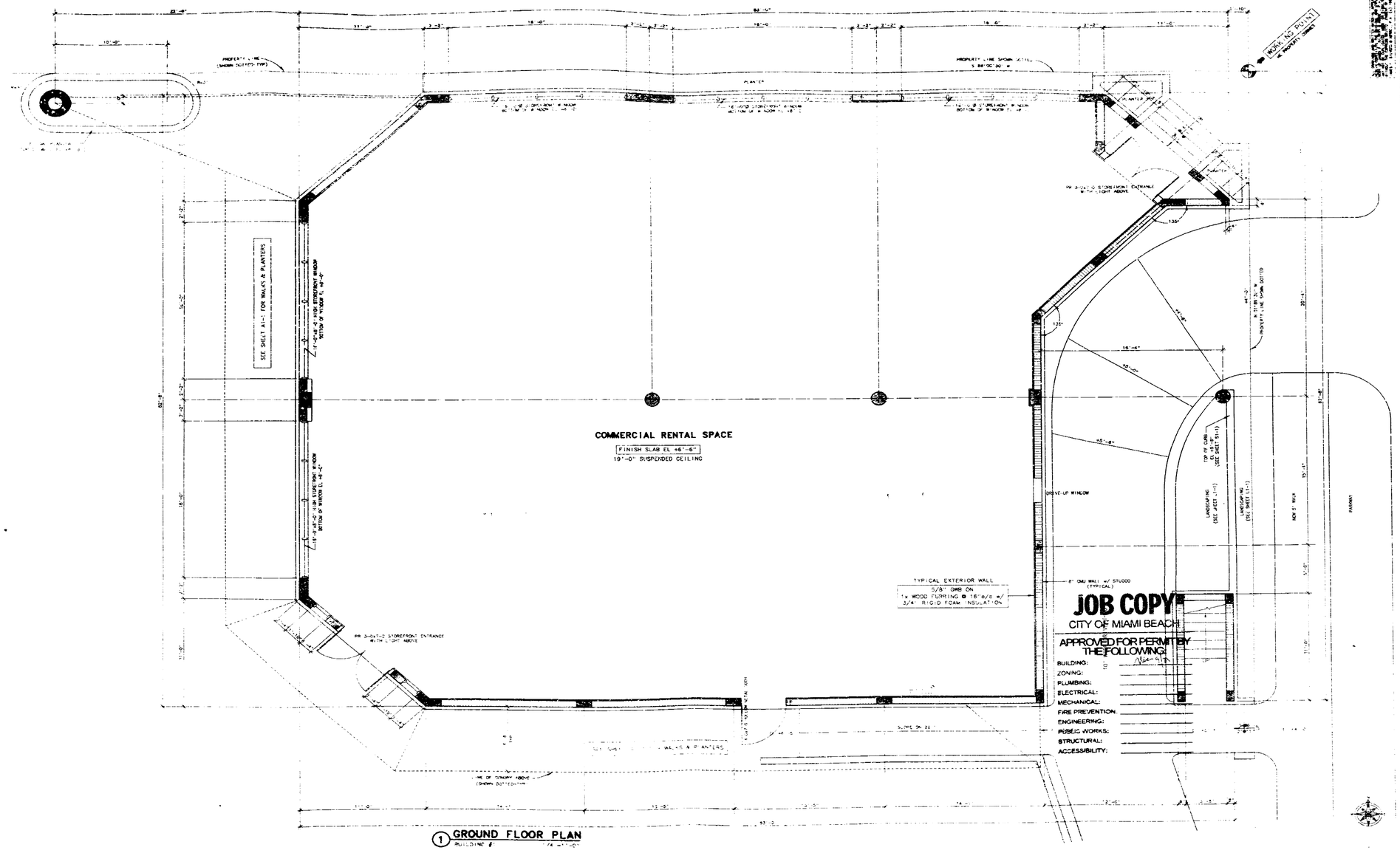
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BOARD APPROVAL
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BY

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ARCHITECT/DEVELOPER 305/672-0301

SILVERSQUARE

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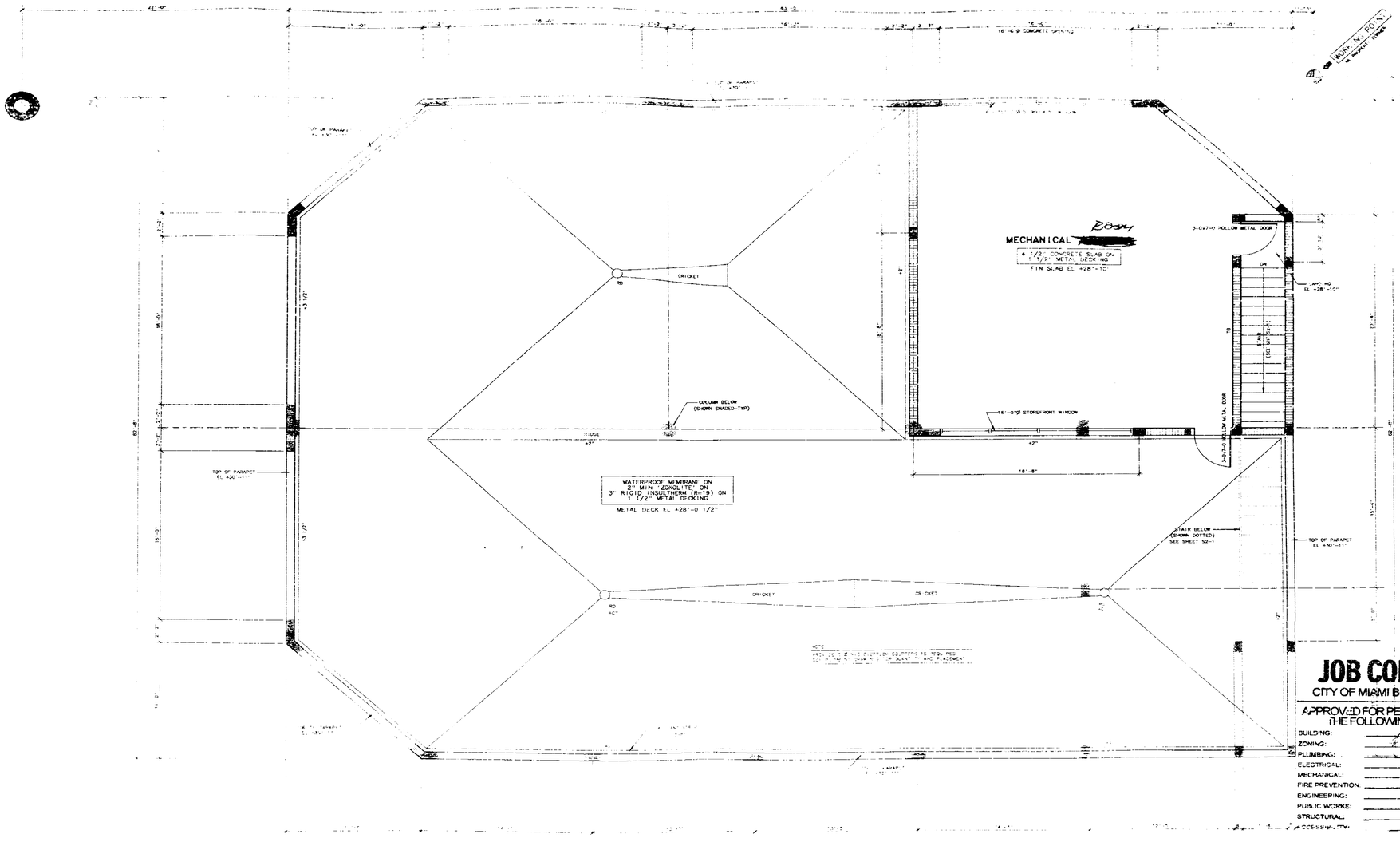


1 GROUND FLOOR PLAN

BUILDING # 1 1/4" = 1'-0"

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ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1109 5th STREET MIAMI BEACH, FLORIDA



1 MAIN ROOF & PENTHOUSE FLOOR PLAN

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BUILDING: _____
ZONING: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ACCESSIBILITY: _____

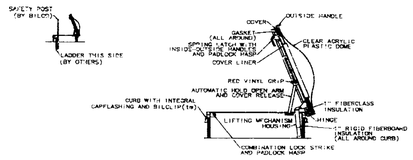
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ARCHITECT/DEVELOPER 305/672-0801

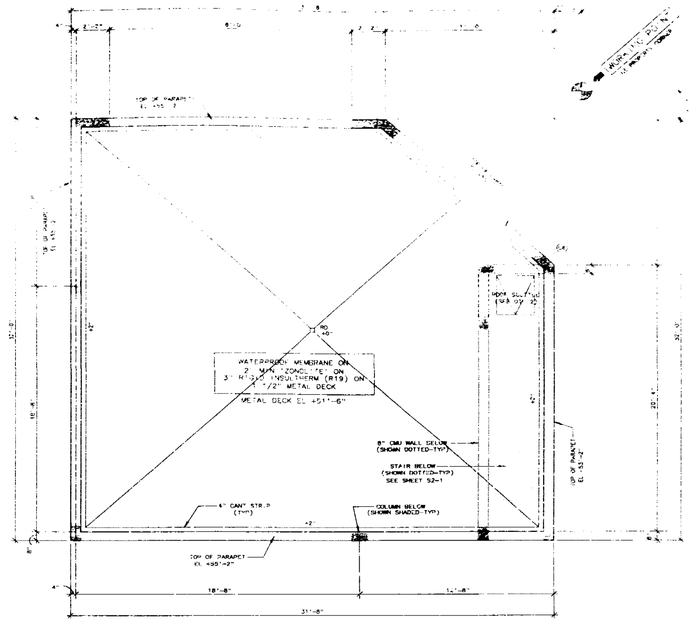
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1100 5th STREET MIAMI BEACH, FLORIDA
BLDG #1 MAIN ROOF & PH FLOOR PLAN

A2-2

45



2 'BILCO' ROOF SCUTTLE TYPE GS
FOR LIGHT & LADDER ACCESS - 2'-6"x3'-0" 1/2"=1'-0"



1 PENTHOUSE ROOF PLAN
1/4"=1'-0"

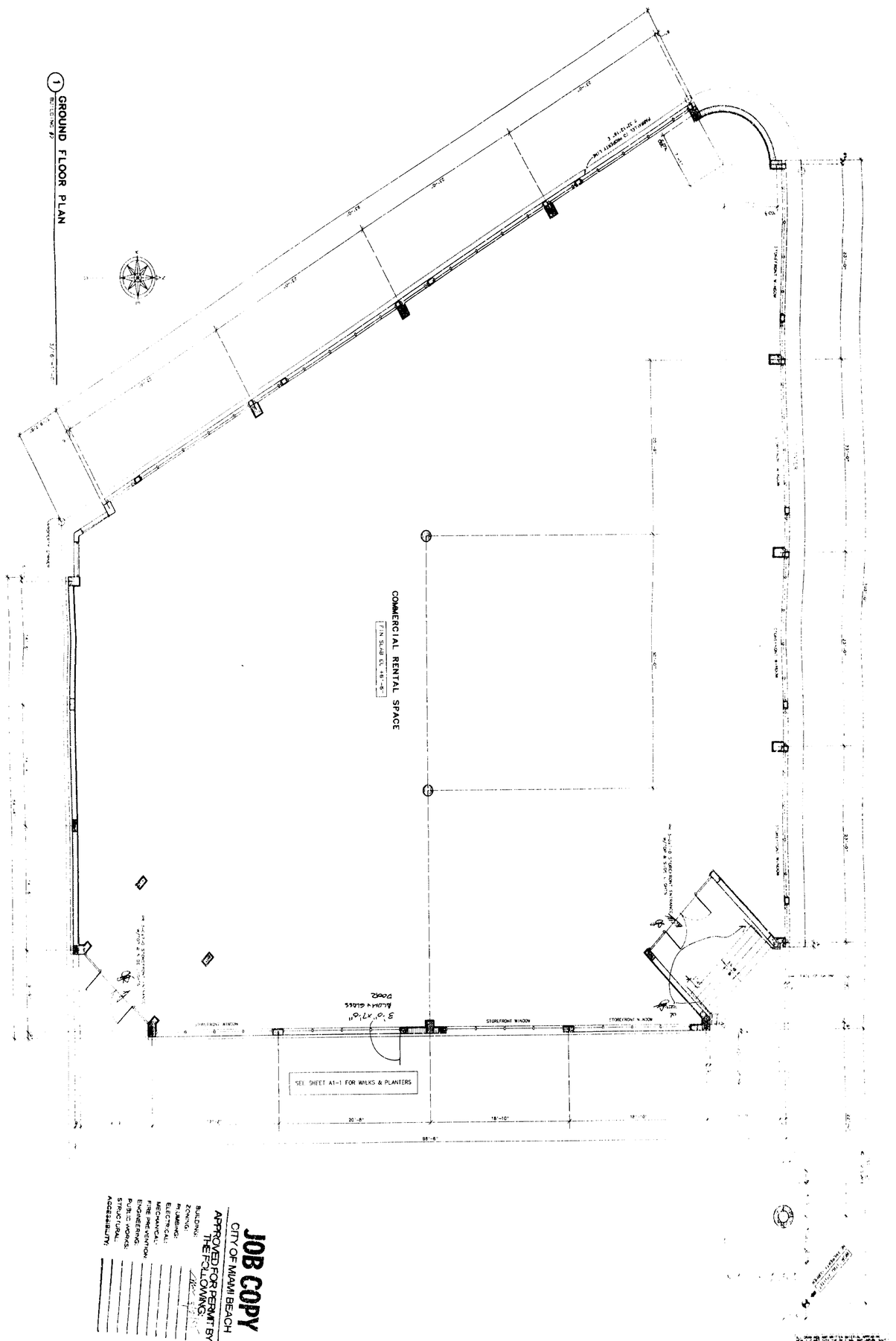
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PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

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DATE: 29 AUG 85

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BLDG #1 PENTHOUSE ROOF PLAN

A2-3



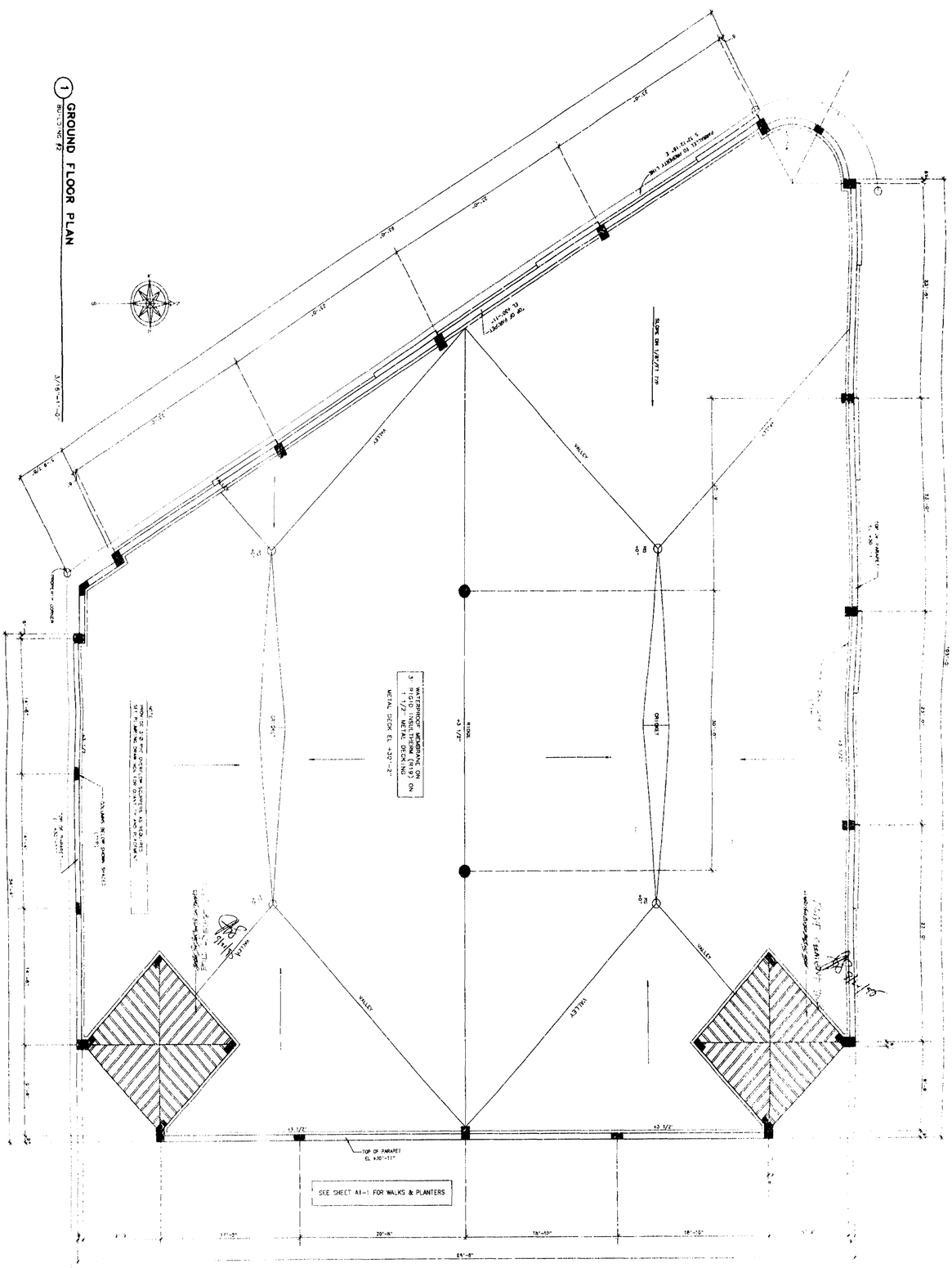
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ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

A2-A

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #2 GROUND FLOOR PLAN

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

DATE 28 AUG 95

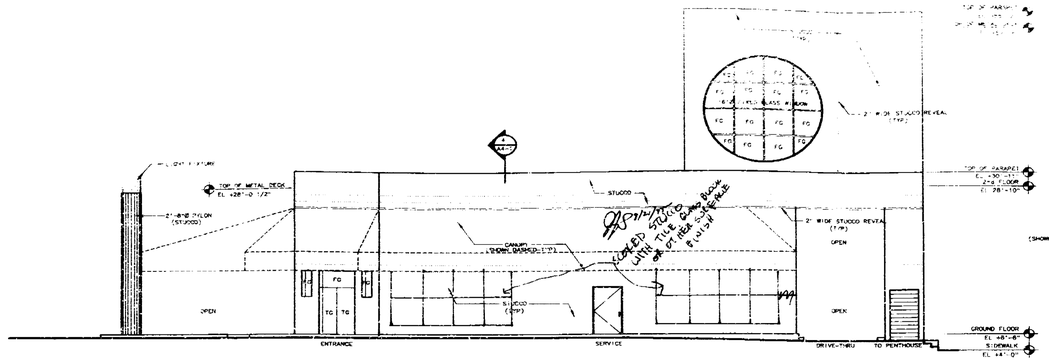


1 GROUND FLOOR PLAN
3/16"=1'-0"

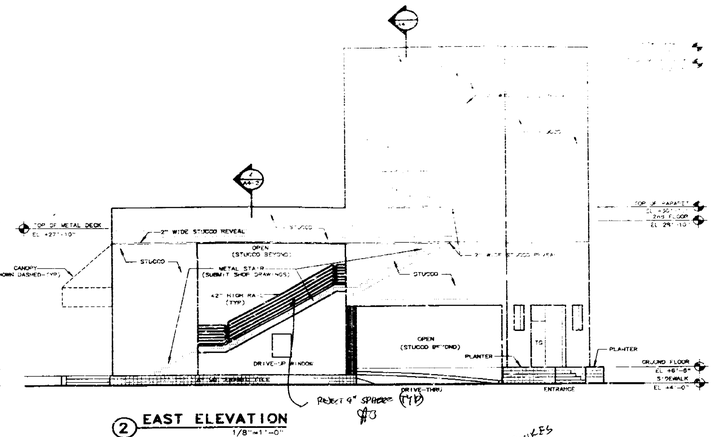
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ZONING:
PLUMBING:
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MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

A2-5	SILVERSQUARE 1100 5th STREET MIAMI BEACH, FLORIDA BUILDING #2 ROOF PLAN		JAMES F. SILVERS & ASSOC., P.A. 1130-5TH STREET MIAMI BEACH, FLA. ARCHITECT/DEVELOPER 305/672-0801	DATE 29 AUG 95

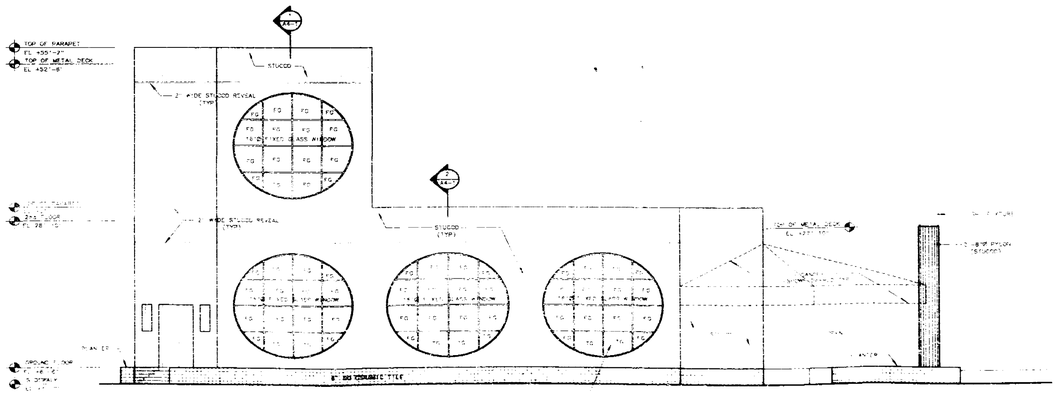
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3 SOUTH ELEVATION
1/8"=1'-0"

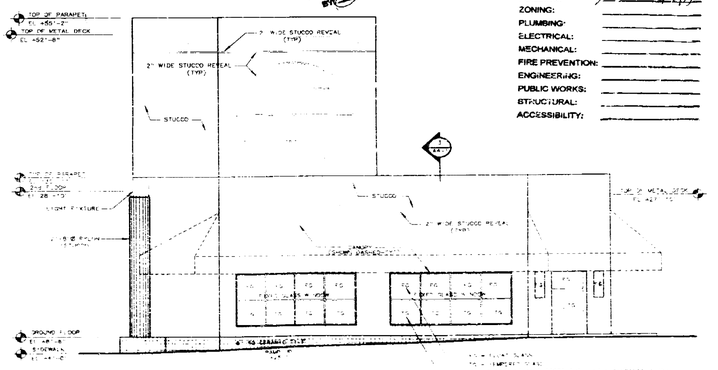


2 EAST ELEVATION
1/8"=1'-0"



4 NORTH ELEVATION
1/8"=1'-0"

NOTE



1 WEST ELEVATION
1/8"=1'-0"

NOTE
FLOOD PROOF ALL WALLS BELOW EL +9'-0" AS REQUIRED.

DESIGN REVIEW BOARD
BOARD APPROVAL: ELDER
DIRECTOR APPROVAL:
APPROVED WITH CONDITIONS: SITE ELL ONLY BUILDING PERMIT REQUIRES SUBMISSION OF A LANDSCAPE PLAN
NOT APPROVED:
DATE: 9-25-95
BY:

JOB COPY
CITY OF MIAMI BEACH
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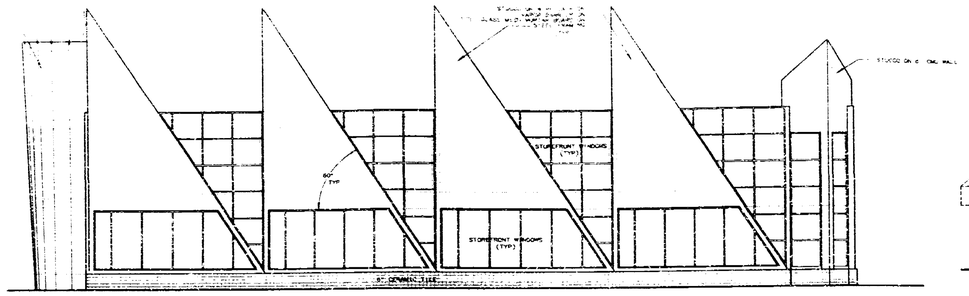
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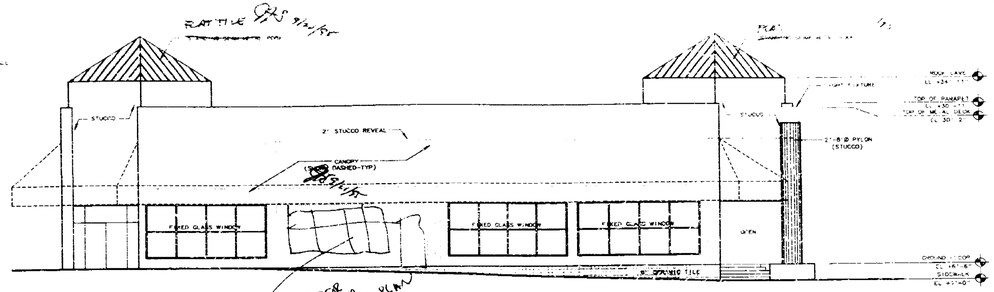
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SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #1 ELEVATIONS

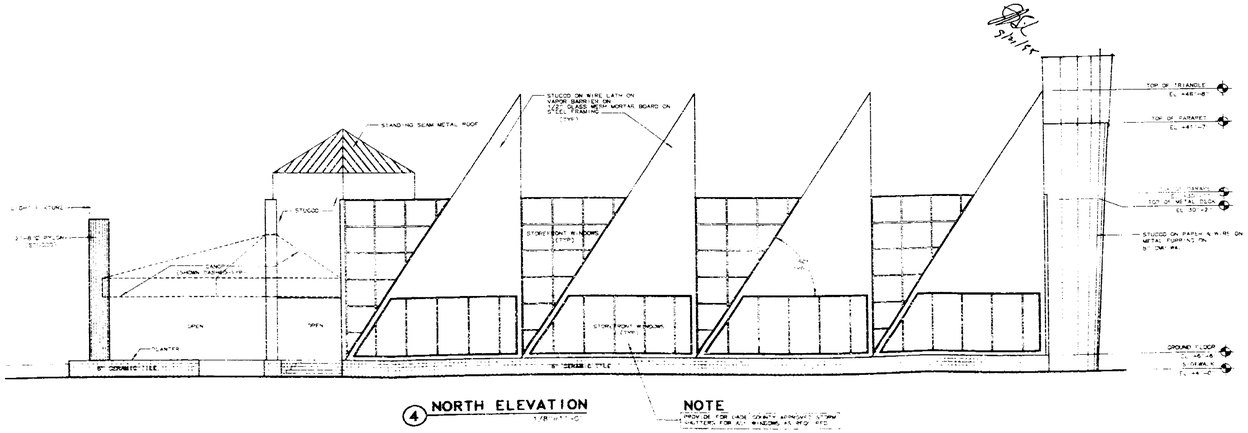
A3-1



3 WEST ELEVATION
1/8"=1'-0"

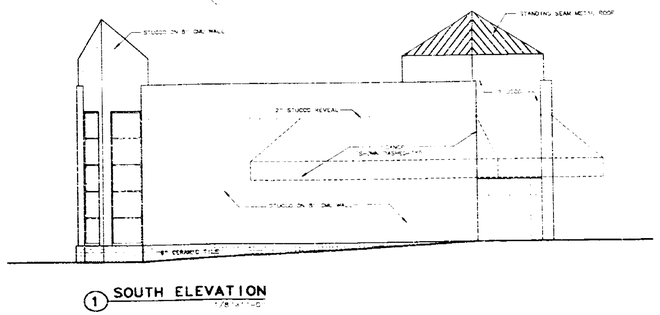


2 EAST ELEVATION
1/8"=1'-0"



4 NORTH ELEVATION
1/8"=1'-0"

NOTE



1 SOUTH ELEVATION
1/8"=1'-0"

JOB COPY
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APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

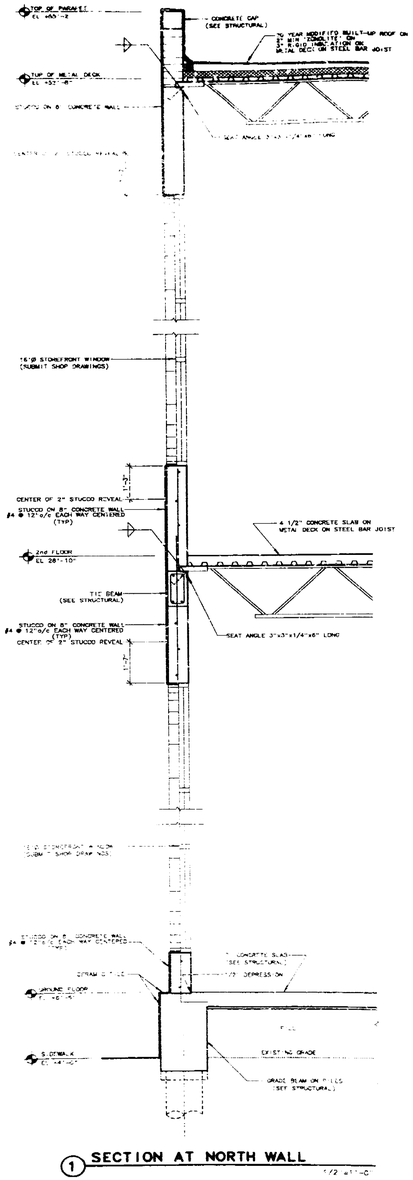
DESIGN REVIEW BOARD
BOARD APPROVAL: #4608
DIRECTOR APPROVAL:
APPROVED WITH
CONDITIONS:
NOT APPROVED:
DATE: 8-30-95

DATE: 29 AUG 95

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

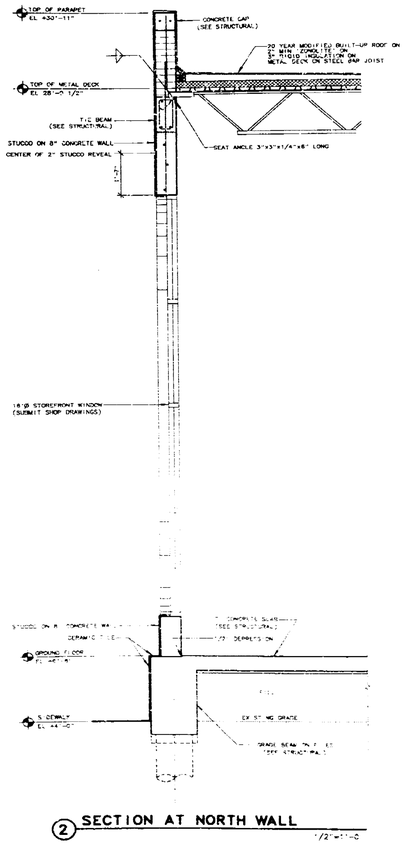
SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #2 ELEVATIONS

A3-2



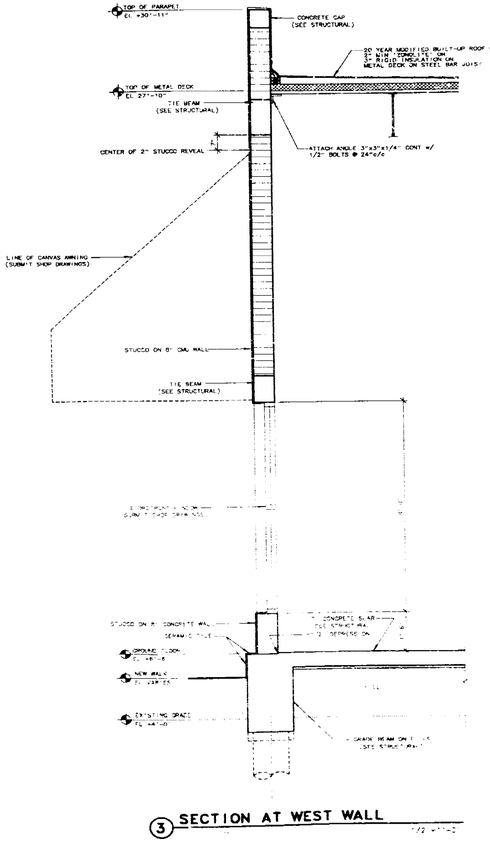
1 SECTION AT NORTH WALL

1/2"=1'-0"



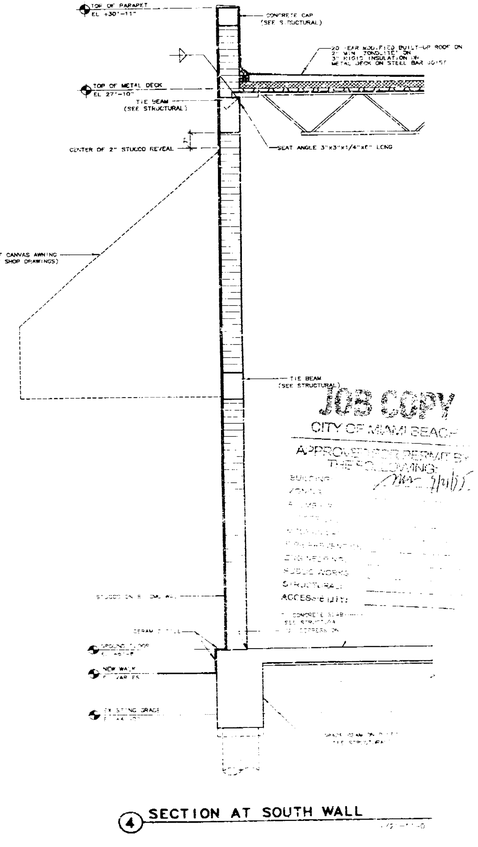
2 SECTION AT NORTH WALL

1/2"=1'-0"



3 SECTION AT WEST WALL

1/2"=1'-0"



4 SECTION AT SOUTH WALL

1/2"=1'-0"

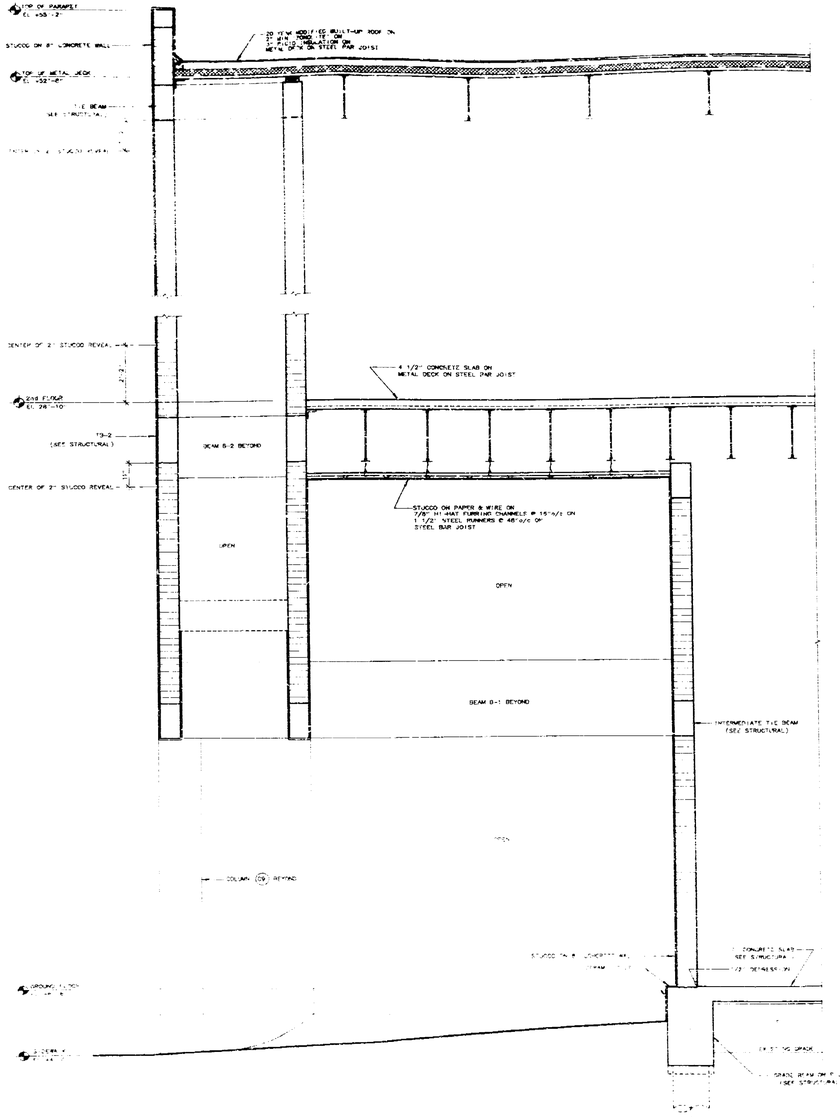
JOB COPY
CITY OF MIAMI BEACH
APPROVED AS NOTED BY
THIS BOARD/DEPT.
DATE
BUILDING
ZONING
EXPOSURE
FLOOD ZONE
SPECIAL AREA
STRUCTURE
ACCESSIBILITY

JAMES F. SILVERS & ASSOC., P.A.
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ARCHITECT/DEVELOPER 305/672-0801

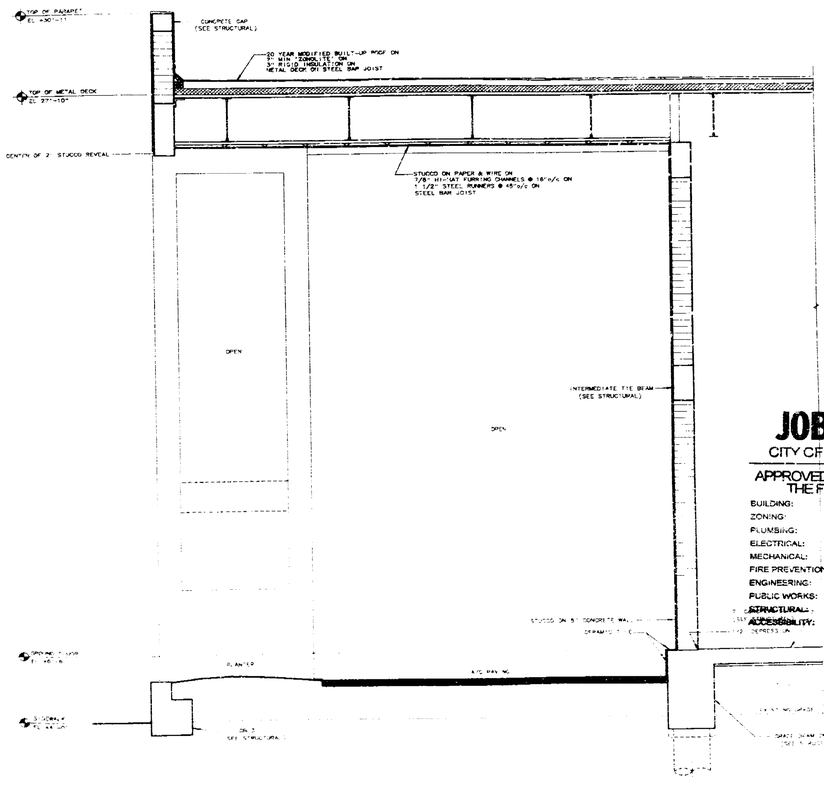
DATE 24 AUG 84

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #1 SECTIONS

A4-1



1 SECTION AT EAST WALL



2 SECTION AT EAST WALL

JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING: 5/21/15
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
~~STRUCTURAL~~:
~~ACCESSIBILITY~~:

DATE: 29 AUG 85

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SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #1 SECTIONS

A4-2

SILVERSQUARE PLANT LIST

MARK	PLANT NAME	QUANTITY	REMARKS
A	ANNUALS	TO BE SPECIFIED	
CH	CHRYSALIDOCARPUS LUTESCENS	4	
QP	QUEEN PALMS	7	
DA	DOUBLE ALEXANDER PALMS	7	
VL	VEITCHIA LINDENII	15	
L	LIRIOPE	250	
FH	FICUS HEDGE	EXISTING	
S	SOD-ST AUGUSTINE	REQUIRED	

CMB PARKING PLANT LIST

MARK	PLANT NAME	QUANTITY	REMARKS
TD	TRAVELER PALM (RAVENALA)	3	
CH	CHRYSALIDOCARPUS LUTESCENS	13	
QP	QUEEN PALMS	7	
MP	MAPAN COCONUT PALMS	5	
FH	FICUS HEDGE	15	
S	SOD-ST AUGUSTINE	AS REQUIRED	

JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

1 LANDSCAPE PLAN

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
LANDSCAPE PLAN

L-1-1

45

1 FOUNDATION & GROUND FLOOR FRAMING PLAN
BUILDING #1
1/4"=1'-0"

JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CLEMENT DIFILLIPPO AIA, PE

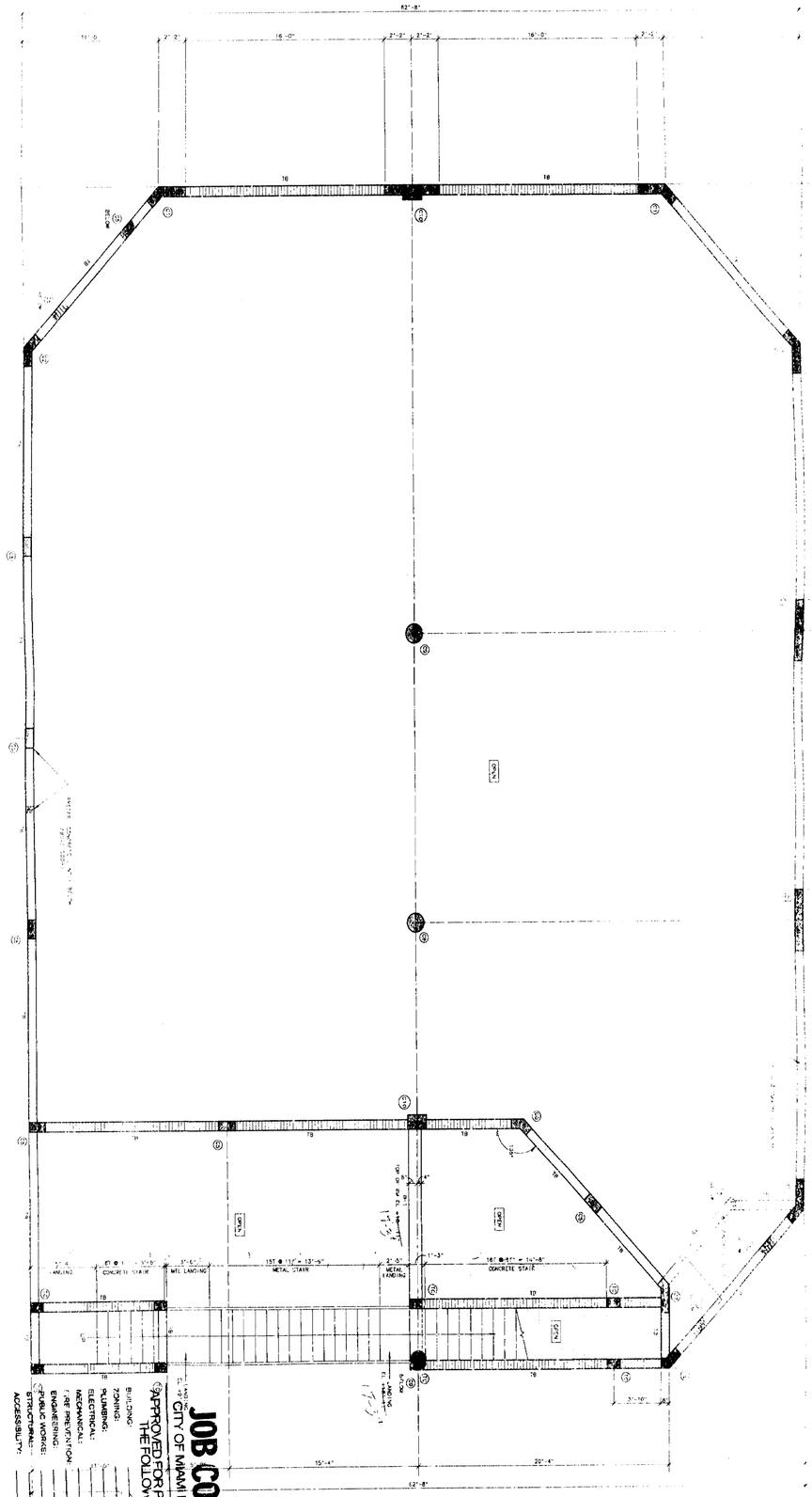
DATE 29 AUG 95

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #1 FOUNDATION

S1-1

45



1 FRAMING PLAN ABOVE INTERMEDIATE TIE BEAM

JOB COPY

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:
ZONING:
PLUMBING:
MECHANICAL:
ELECTRICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CLEMENT DIFILLIPPO AIA PE

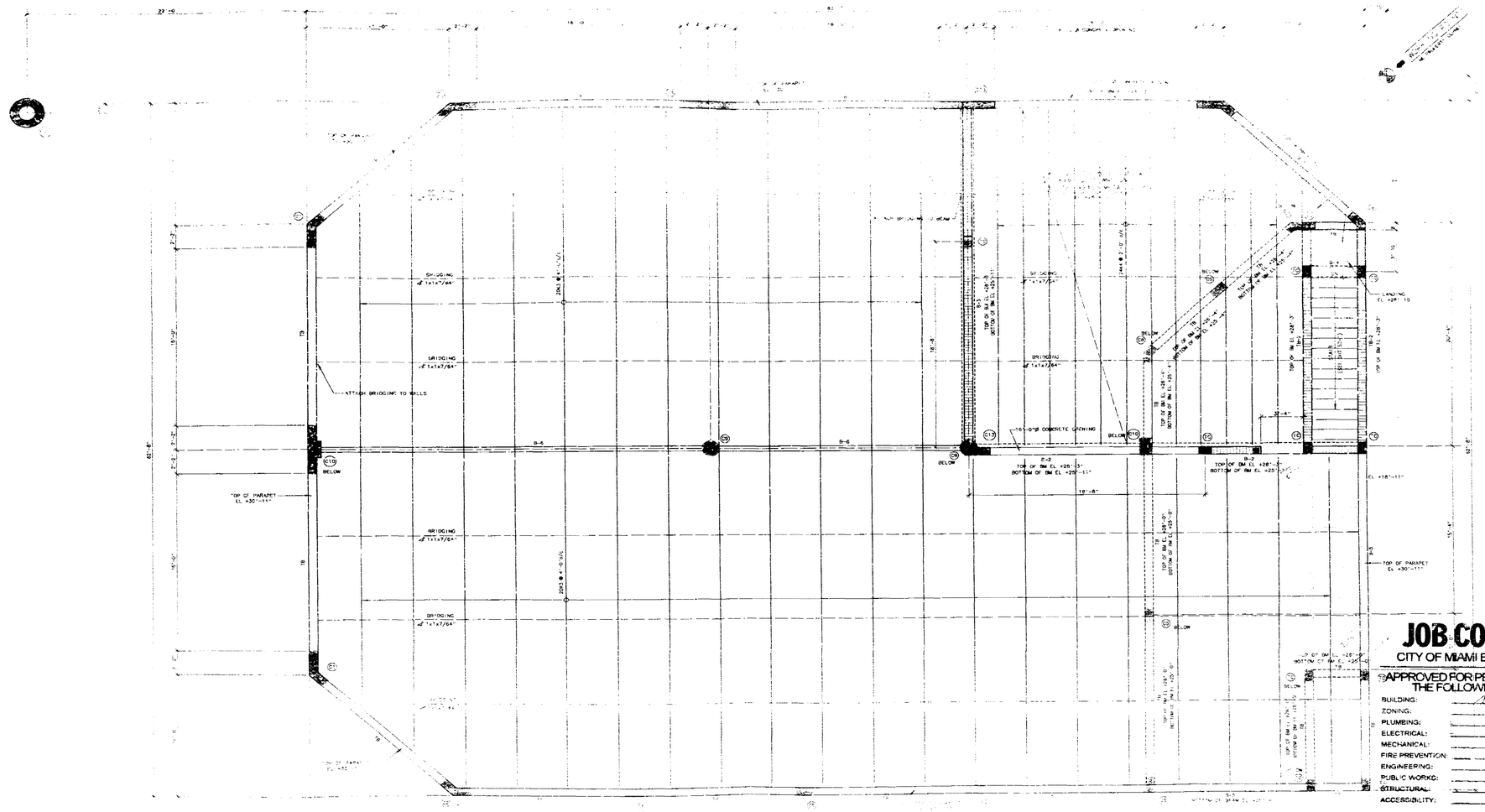
S2-1

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #1 FRAMING PLAN

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

DATE: 29 AUG 85

45



1 MAIN ROOF & PENTHOUSE FRAMING PLAN
BUILDING #1 1/4" = 1'-0"

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

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CLEMENT DIFILLIPPO A.I.A. P.E.

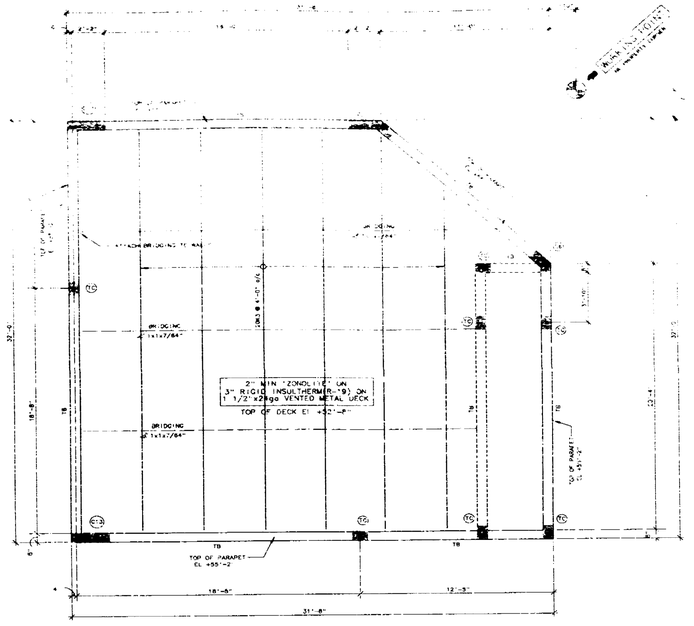
DATE 29 AUG 95

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BLDG #1 MAIN ROOF & PH FRAMING PLAN

S2-2

45



1 PENTHOUSE ROOF FRAMING PLAN
1/4"=1'-0"

NOTE
BOTTOM OF ALL BEAMS SHOWN ON THIS PLAN ARE AT EL +51'-4" UNLESS NOTED OTHERWISE.

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

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

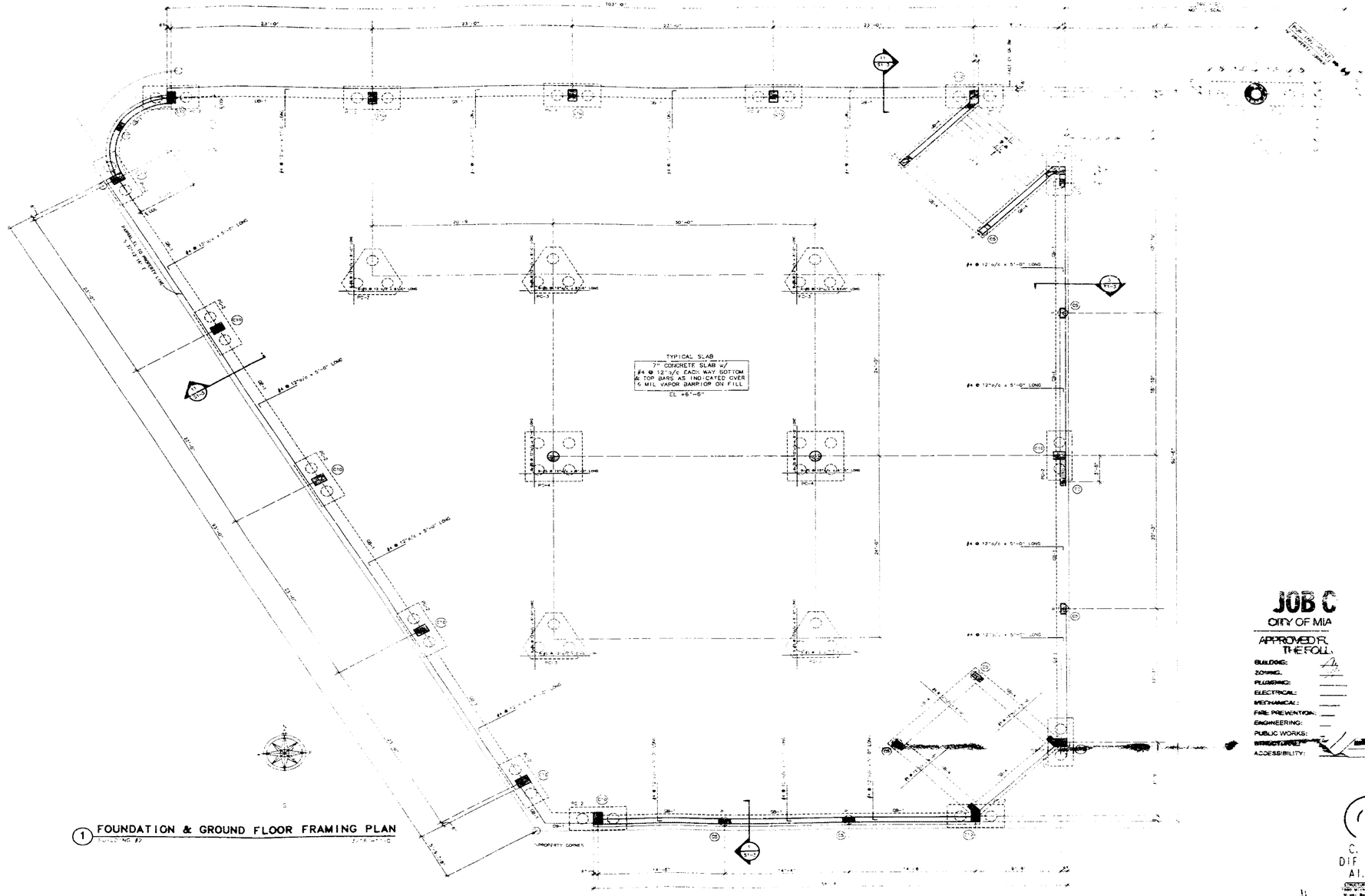
CLEMENT DIFILLIPPO AIA, PE

DATE: 29 AUG 95

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BLDG #1 PENTHOUSE ROOF FRAMING PLAN

S2-3



1 FOUNDATION & GROUND FLOOR FRAMING PLAN

AMES F. SILVERS & ASSOC., P.A.
130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

DATE 29 AUG 95

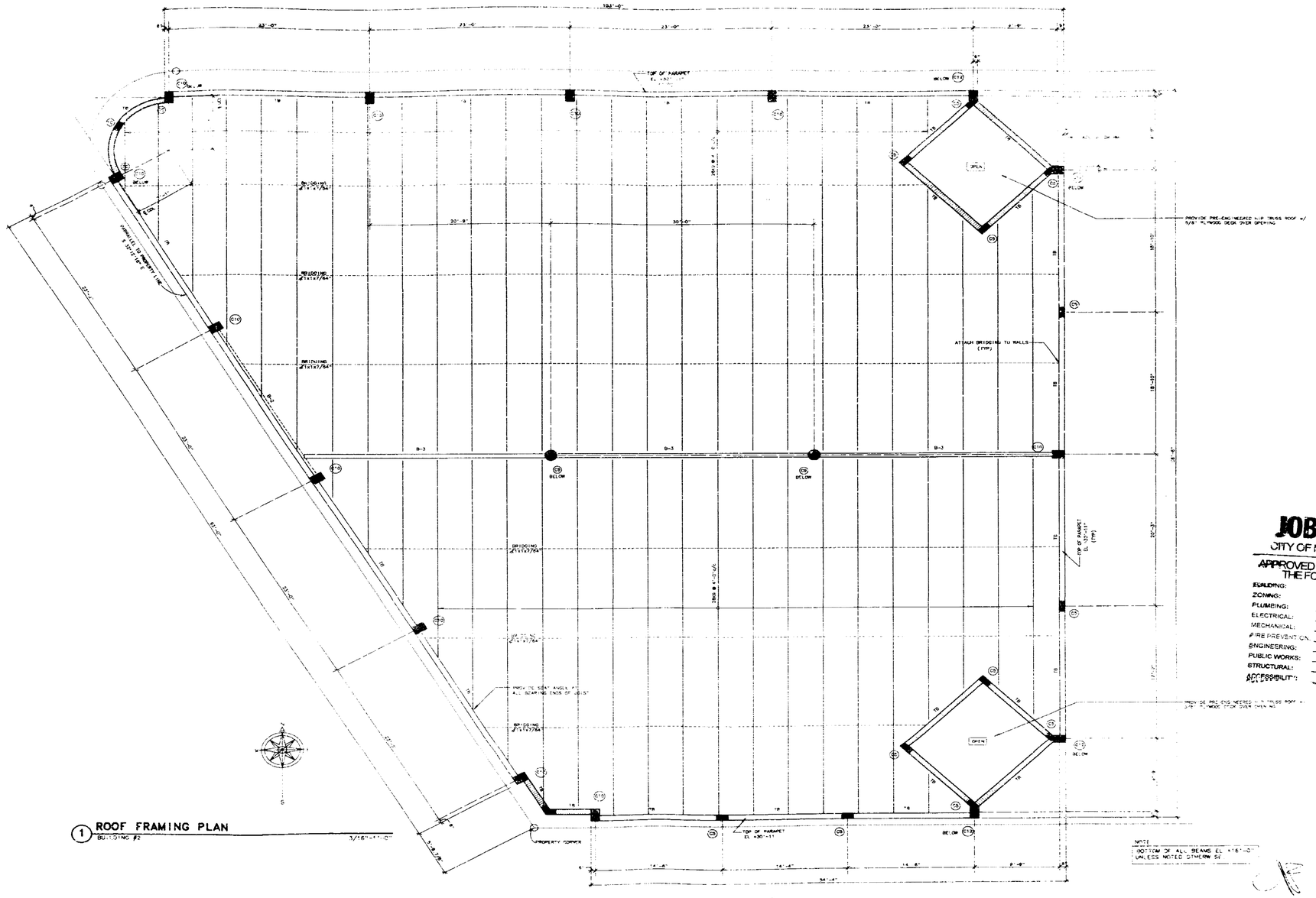
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CITY OF MIA

APPROVED FR
THE FOLL

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURE:
ACCESSIBILITY:

C.
DIF
A1.

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1 ROOF FRAMING PLAN
BUILDING #2 3/16"=1'-0"

JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CLEMENT DIFILLIPPO AIA, PE

DATE - 26 AUG 97

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ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA

BUILDING #2 ROOF FRAMING PLAN

S2-5

45

1 FRAMING PLAN AT INTERMEDIATE TIE BEAM
BUILDING #2

JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT
THE FOLLOWING:
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

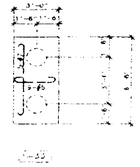
CLEMENT DIFILLIPPO AIA, PE

DATE: 29 AUG 95

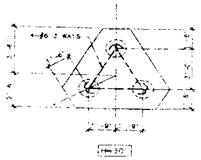
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ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
BUILDING #2 FRAMING PLAN

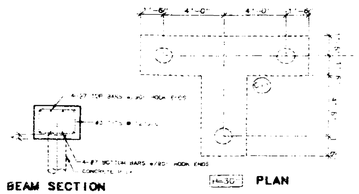
S2-4



17 TYPICAL DETAIL AT PC-2 1/4"=1'-0"

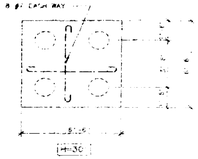


13 TYPICAL DETAIL AT PC-3 1/4"=1'-0"

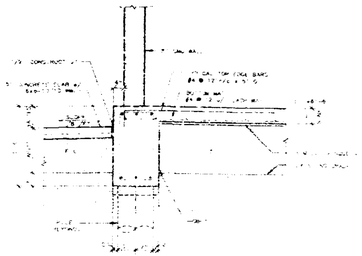


BEAM SECTION PLAN

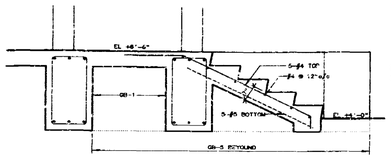
9 TYPICAL DETAIL AT PC-3A 1/4"=1'-0"



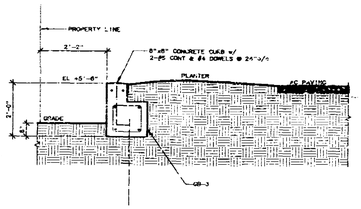
5 TYPICAL DETAIL AT PC-4 1/4"=1'-0"



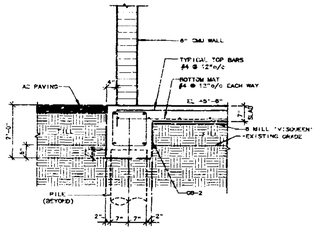
1 TYPICAL DETAIL AT GRADE BEAM GB-1
AT SLOPING WALKS SOUTH CMU WALLS 1/2"=1'-0"



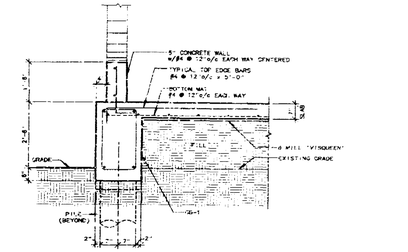
14 DETAIL AT STEPS & PLANTER
BUILDINGS #1 NORTHEAST CORNER 1/2"=1'-0"



10 TYPICAL DETAIL AT GRADE BEAM GB-3
BUILDINGS #1 NORTH OF STAIR 1/2"=1'-0"



5 TYPICAL DETAIL AT GRADE BEAM GB-2
BUILDINGS #1 AT STAIR 1/2"=1'-0"



2 TYPICAL DETAIL AT GRADE BEAM GB-1
BUILDING #1 AT 16 Ø ROUND WINDOWS NORTH WALL 1/2"=1'-0"

GENERAL NOTES

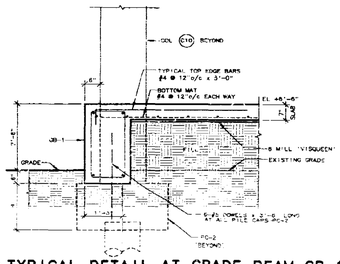
GENERAL:

The Contractor shall review all drawings and report any changes or corrections to the Architect before proceeding with the work. All construction shall conform to the South Florida Building Code and other codes and/or standards as referenced therein.

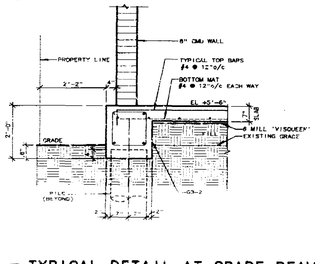
1. SUPERIMPOSED LOADS USED IN DESIGN:
   A. Roof (L.L. = 30 psf) (DL = 5 psf).....45 psf
   B. Building #1 (L.L. = 80 psf) (DL = 25 psf).....105 psf
   C. Building #2 (L.L. = 50 psf) (DL = 25 psf).....75 psf
   D. Building (L.L. = 100 psf) (DL = 10 psf).....110 psf
2. DESIGN STANDARDS:
   A. South Florida Building Code (SFBC),1994 Edition
   B. ACI Building Code 318-83
   C. AISC Steel Construction Manual 8th Edition
3. FOUNDATIONS:
   A. The Geotechnical Report submitted by Wingerter Laboratories shall be followed for all foundation pilings, soil improvements, testing, as required, and procedures for work specifications.
   B. The Geotechnical Engineer shall field check and approve all pile foundations and/or soil testing as required and the contractor shall not proceed without said approvals.
   C. Pile foundations shall be designed for required concrete design loads, and shall be capable of developing the load (length and number) as noted on plans, or as determined by the Soils Report and Building Code forms or.
4. CONCRETE:
   A. All reinforcing and concrete and have at least the following strength after 28 days, unless noted otherwise as:
      1. Concrete and slabs, unless noted otherwise.....3000 psi
      2. Columns.....4000 psi
   B. Concrete tests shall be made and reports submitted as per Code.
   C. All reinforcing bars shall be ASTM A615, Grade 60, U.N.O. Welded wire fabric shall conform to ASTM A185. Welded wire fabric for slabs on grade and for walls shall have a minimum tensile yield strength of 60 ksi. Headed studs shall conform to ASTM A108 with 60 ksi minimum tensile strength and shall be automatically applied welded.
   D. Concrete protection for reinforcement, U.N.O.
      1. Concrete poured against and permanently exposed to earth.....3"
      2. Concrete poured into forms but exposed to weather or earth:
         a. #6 bars or smaller.....2"
         b. Bars larger than #6.....2"
      3. Columns, girders and beams (for main reinforcing, ties and stirrups).....1½"
      4. Slabs and walls not exposed to weather or earth.....¾"
      5. Slabs and walls exposed to weather or earth.....1½"
      6. Balcony slabs (roofs) (slabs) (beams).....¼"
   E. No appliances, conduits, pipes or sleeves are allowed in any concrete beam, girder, or column except as detailed on the structural drawings. All conduits and pipes shall be properly installed and bedded in concrete. Conduits and pipes within slabs shall be placed between top and bottom reinforcing steel. Conduits and pipes shall not be crossed or run closer than 3 diameters center to center. Conduits and pipes shall not be crossed or run closer than 3 diameters center to center. Conduits and pipes shall not be crossed or run closer than 3 diameters center to center.
   F. Field bending of reinforcing steel shall be in accordance with the latest editions of ACI Detailing Manual and ACI Building Code Requirements for Reinforced Concrete.
   G. Provide additional reinforcing as necessary to support reinforcing at openings shown on the drawings.
   H. Provide 2-#5 bars (1 ea. face) with 2'-0" projection around openings in concrete walls and slabs, U.N.O.
   I. Slabs on grade shall have wire mesh 6X6-W1.4xW1.4 welded reinforcing and placed over a vapor barrier. 6" thick slabs shall be placed over well compacted soil with density test made prior to pouring. Slabs on grade shall be constructed in panel sections that shall not exceed 900 square feet and provided with keyed edges. Expansion material, 1/2" thick, shall be placed against adjacent walls, curbs, and at all other adjacent edges.
   J. Provide 6x6-W1.4xW1.4 WWF as minimum reinforcing in mechanical pads. See mechanical drawings for pad locations, pad sizes and pads requiring greater reinforcing.
5. STEEL:
   A. All structural steel shall conform to ASTM A36, except tube columns which shall conform to ASTM A500, Grade B, Fy=46 ksi.
   B. Structural steel shall be detailed, fabricated and erected in accordance with the Eighth Edition of AISC "Manual of Steel Construction and AISC Code of Standard Practice".
   C. All welding and welds shall meet the Structural Welding Code ANSI/AWS D1.1-96. All field welds shall be cleaned, inspect and painted. The precast erector subcontractor shall provide a Florida P.E. certification that all welds meet code standards.
   D. All welders shall have evidence of passing the AWS standard qualification test.
   E. Minimum weld size shall be 3/16" continuous fillet weld, unless note otherwise on the drawings.
6. MASONRY:
   A. All masonry block units shall conform to ASTM C90 standards with block classification (N-1) for 8" C.M.U.
   B. Mortar strength types are as follows:
      TYPES: M.....2500 psi
      S.....1800 psi
      N.....750 psi
      O.....350 psi
   C. Wall types (masonry): Mortar Type (minimum)
      Below grade foundation walls.....(M) (bedded joints)
      Retaining walls.....(M) (bedded joints)
      Exterior and load bearing walls.....(M) (bedded joints)
      Parapet walls.....(M) (bedded joints)
   D. Wall reinforcing: Wall panels shall not exceed 200 sq. ft. between control joints.
      Horizontal reinforcing: 2 - #9 gal. wire @ 16" o/c
      Vertical reinforcing: #5 @ 16" o/c
      Dovetail Anchors.....Galv. 16 ga. @ 16" o/c to match CMU wall (at concrete columns & walls)
      Grouting.....Type M, 2500 psi, 8" slump, fine aggregate grout (pack tightly)
   E. Lintels shall be placed over all wall openings, no exceeding 4 feet, and shall be 8" x 8" precast or poured in place w/ (2) #4 bottom bars, unless noted otherwise. Room to grout shall be provided.
      Lintels shall bear 8" at each end unless otherwise specified.
      Precast lintels shall also be reinforced and of vertical bar ties as per plans.
7. All dimensions on structural drawings shall be checked against architectural.
8. Any means approval must be secured for all substitutions.
9. Verify all openings through floor, roof and walls with mechanical and electrical contractors.
10. During erection of the building, the contractor shall be responsible for temporary bracing to withstand loads to which the structure may be subjected, including erection loads, as long as may be required for joints and unfinished work. All structural framing and partitions are to be in corrugations.

GRADE BEAM SCHEDULE

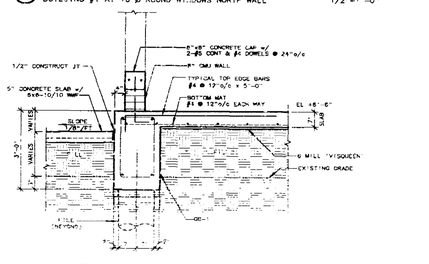
MARK	SIZE	TOP REINF.	BOTTOM REINF.	STIRRUPS	REMARKS
GB-1	8"x24"	#4 @ 12"o/c EACH WAY	#4 @ 12"o/c EACH WAY	#3 @ 12"o/c	
GB-2	8"x24"	#4 @ 12"o/c EACH WAY	#4 @ 12"o/c EACH WAY	#3 @ 12"o/c	
GB-3	8"x24"	#4 @ 12"o/c EACH WAY	#4 @ 12"o/c EACH WAY	#3 @ 12"o/c	
GB-4	8"x24"	#4 @ 12"o/c EACH WAY	#4 @ 12"o/c EACH WAY	#3 @ 12"o/c	
GB-5	8"x24"	#4 @ 12"o/c EACH WAY	#4 @ 12"o/c EACH WAY	#3 @ 12"o/c	
GB-6	8"x24"	#4 @ 12"o/c EACH WAY	#4 @ 12"o/c EACH WAY	#3 @ 12"o/c	



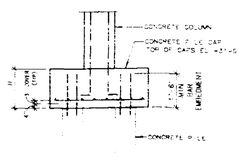
11 TYPICAL DETAIL AT GRADE BEAM GB-1
BUILDING #2 AT WEST & NORTH WALLS 1/2"=1'-0"



7 TYPICAL DETAIL AT GRADE BEAM GB-2
BUILDINGS #1 AT STAIR 1/2"=1'-0"

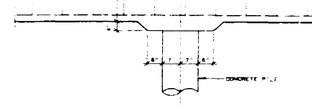


3 TYPICAL DETAIL AT GRADE BEAM GB-1
BUILDINGS #1 & #2 AT 8'x16' WINDOWS 1/2"=1'-0"



NOTE
CONCRETE STRENGTH = f'c = 5000 psi

12 TYPICAL PILE CAP SECTION
NOT TO SCALE



8 TYPICAL DETAIL AT GRADE BEAM GB-1
AT PILE "B" WITHOUT PILE CAP 1/2"=1'-0"

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BUILDING:
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PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CLEMENT DIFILLIPPO AIA, PE
STRUCTURAL — ENGINEER
1001 WEST AVE. SUITE 818
Miami Beach, FL 33139
(305) 672-0301

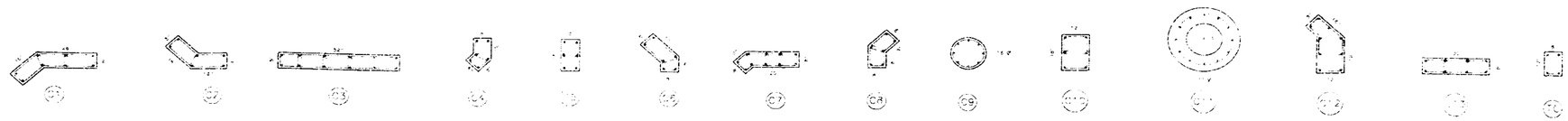
DATE 29 AUG 95

JAMES F. SILVERS & ASSOC., P.A.
1130-5TH STREET MIAMI BEACH, FLA.
ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 5th STREET MIAMI BEACH, FLORIDA
FOUNDATION DETAILS

S1-3

NOTE: FURNISHING SIZES BY OTHERS PROVIDED BY MULTI PRODUCT OR EQUAL AT REQUIRED

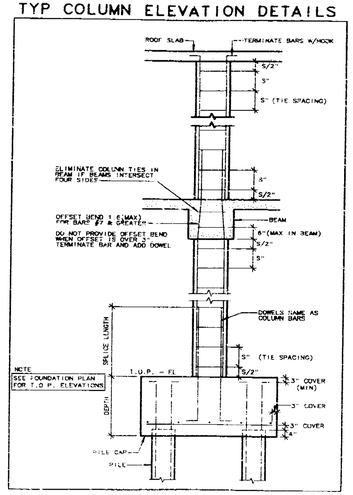


COLUMN SCHEDULE

MARK	SIZE WxH	VERT BARS	TIES	f'c(psi)	LOCATION	REMARKS
C1	*	8#5	#3 @ 12"	4000	BLDG #1	
C2	*	6#5	#3 @ 12"	4000	BLDG #1	
C3	8x52	2#5	#3 @ 12"	4000	BLDG #1	
C4	*	6#5	#3 @ 12"	4000	BLDG #1	
C5	8x16	5#5	#3 @ 12"	4000	BLDGS #1 & #2	
C6	*	5#5	#3 @ 12"	4000	BLDG #1	
C7	*	10#5	#3 @ 12"	4000	BLDG #1	
C8	*	6#5	#3 @ 12"	4000	BLDG #1	
C9	16"Ø	9#6	#3 @ 12"	4000	BLDGS #1 & #2	
C10	12x18	6#6	#3 @ 12"	4000	BLDGS #1 & #2	
C11	32"Ø	12#6	#3 @ 16"	4000	BLDGS #1 & #2	
C12	*	9#6	#3 @ 12"	4000	BLDG #2	
C13	8x30	8#5	#3 @ 12"	4000	BLDG #1	
TC	8x12	4#5	#3 @ 12"	4000	BLDGS #1 & #2	TYPICAL TIE COLUMN

* SEE COLUMN SIZE ABOVE

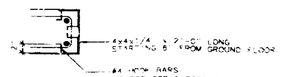
TYP COLUMN ELEVATION DETAILS



COLUMN TIE & LAP SPACING TABLE

VERT BAR	S (spacing) TIE #3	TIE #4	COLUMN SIZE	L (lap)
#5	10"	10"	LEAST DIM.	19"
#6	12"	12"		23"
#7	14"	14"		27"
#8	16"	16"		30"
#9	18"	18"		34"
#10	18"	20"		38"
#11		22"	LEAST DIM.	41"

NOTE: DO NOT USE TIES OR #3 CLIPS @ MORE THAN 10" CLEAR FROM TOP OF PILE OR BEAM OR FOOTING. FIRST TIE TO BE @ 2" FROM TOP OF BEAM OR FOOTING.



TYPICAL COLUMN & WALL GUARDS
TYPICAL FOR ALL CONCRETE ADJACENT TO SLIDING JOINTS

BEAM SCHEDULE-Building #1

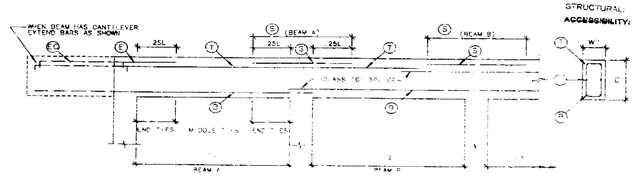
MARK	SIZE WxH	REINFORCING BARS B	T	S	I	EC	E	TIE SPACING BAR	EA END	MIDDLE	REMARKS
B-1	12x36	2#8	2#6	2#6				#3	12"	16"	BOT BM EL +16'-0" (INTERMEDIATE BM)
B-2	12x36	3#7	2#6	2#7				#3	10"	15"	BOT BM EL +25'-11"
B-3	12x28	5#8	2#6				2#6	#4	10"	16"	BOT BM EL +25'-11"
B-4	12x16	2#6	2#6					#3	8"	8"	BOT BM EL +27'-6" (AT TOP OF STAIR)
B-5	8x24	2#8	2#6					#3	10"	15"	BOT BM EL +25'-6" (ABOVE DRIVE-THRU)
B-6	W21x44										STEEL ROOF BEAM
TB	8x16	2#5	2#5					#3	12"	12"	
TB-2	8x21	2#5	2#5					#3	12"	12"	

NOTE: Beam widths noted as 8" may be 7 1/2" wide to align with block walls.

BEAM SCHEDULE-Building #2

MARK	SIZE WxH	REINFORCING BARS B	T	S	I	EC	E	TIE SPACING BAR	EA END	MIDDLE	REMARKS
B-1	12x30	2#7	2#6		2#5			#3	10"	16"	BOT BM EL +16'-0" (INTERMEDIATE BM)
B-2	12x30	2#7	2#6		2#5			#3	10"	16"	TOP BM EL +29'-10"
B-3	W21x44										STEEL ROOF BEAM
TB	8x16	2#5	2#5					#3	12"	12"	
TB-2	8x30	2#5	2#5					#3	12"	12"	

NOTE: Beam widths noted as 8" may be 7 1/2" wide to align with block walls.



BEAM PROFILE & BAR DESCRIPTION

B	Bottom bars with splices permitted over supports
T	Top bars with splices permitted at mid span
S	Top bars over supports, always use longer bar if of equal length
E	Top bars, for end conditions
EC	Top bars for cant. over end (extend 35 bar diameters minimum)
I	Intermediate bars, equally spaced each side

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MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CLEMENT DIFILLIPPO AIA, PE

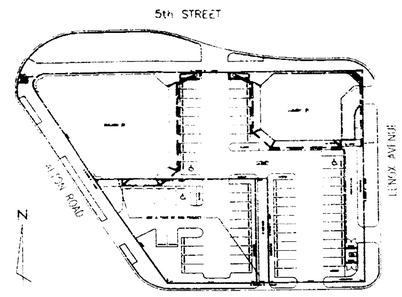
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ARCHITECT/DEVELOPER 305/672-0801

SILVERSQUARE
1100 Sit. STREET MIAMI BEACH, FLORIDA
SCHEDULES & NOTES

S3-1

45



LOCATION MAP
NOT TO SCALE

ONE NUMBER
BEFORE YOU DIG IN FLORIDA
IT'S THE LAW!
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SILVERSQUARE

1100 – 1130 FIFTH STREET
MIAMI BEACH, FLORIDA

NEW GRADING, DRAINAGE AND DRIVEWAY CONNECTION PLAN

GENERAL NOTES AND SPECIFICATIONS

1. THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, AS ADOPTED BY THE STATE OF FLORIDA LEGISLATURE, CHAPTER 72-378 F.S.

2. ALL WORK WITHIN STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (D.O.T.) RIGHT-OF-WAY SHALL CONFORM TO CURRENT STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS, AND BE IN COMPLIANCE WITH THE D.O.T. PERMIT.

3. ALL WORK WITHIN PRIVATE PROPERTY SHALL CONFORM TO CURRENT CITY OF MIAMI BEACH (CMB), DADE COUNTY PUBLIC WORKS DEPARTMENT (DCPWD), AND DADE COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM) STANDARDS AND SPECIFICATIONS.

4. ALL ELEVATIONS REFER TO N.G.V.D.

5. FLOOD CRITERIA ELEVATION FOR THIS PROJECT IS (+5.0).

6. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION.

7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE START OF CONSTRUCTION.

8. EXISTING TOPOGRAPHY WAS TAKEN FROM A SURVEY PREPARED BY ZURWELLE-WHITTAKER, INC.

9. SURFACE COURSE WITHIN PRIVATE PROPERTY SHALL BE 1-INCH THICK ASPHALT TYPE S-1 COMPACTED TO MINIMUM OF 95 PERCENT OF THE LABORATORY COMPACTED DENSITY. ALL WORK PERTAINING TO THE SURFACE COURSE SHALL BE IN ACCORDANCE WITH SECTION 133 OF THE DCPWD MANUAL, PART 2, LATEST EDITION.

10. LIMEROCK BASE WITHIN PRIVATE PROPERTY SHALL BE 8 INCHES THICK COMPACTED TO A MINIMUM OF 98 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180, PRIMED ENTIRE WIDTH. ALL WORK PERTAINING TO THE LIMEROCK BASE SHALL BE IN ACCORDANCE WITH SECTION 51 OF THE DCPWD MANUAL, PART 2, LATEST EDITION.

11. SUBGRADE WITHIN PRIVATE PROPERTY SHALL BE 12 INCHES THICK COMPACTED TO A MINIMUM OF 98 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. MATERIAL SHALL HAVE A MINIMUM CALIFORNIA BEARING RATIO OF 40. ALL WORK PERTAINING TO THE SUBGRADE SHALL BE IN ACCORDANCE WITH SECTION 33 OF THE DCPWD MANUAL, PART 2, LATEST EDITION.

12. CONCRETE SIDEWALKS WITHIN PRIVATE PROPERTY TO BE IN ACCORDANCE WITH DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARD DETAIL SD 210.

13. CATCH BASIN FRAMES AND GRATES WITHIN PRIVATE PROPERTY TO BE IN ACCORDANCE WITH DCPWD STANDARD DETAIL SD 210.

14. DRAINAGE IMPROVEMENTS: PIPES TO BE CORRUGATED ALUMINUM PIPE (A.S.P.), 3" X 1" CORRUGATION PATTERN. PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION B745-81 AND TO AASHTO M-196 AND M-197, CURRENT EDITION. INSTALLATION IN ACCORDANCE WITH DADE COUNTY PWD MANUAL, PART 2, "STORM DRAINAGE SPECIFICATION" SECTION, CURRENT EDITION, AND PIPE PER GATOR CULVERT COMPANY, OR APPROVED EQUAL.

15. ALUMINUM CORRUGATED METAL TRANSMISSION PIPE, 30" DIAMETER AND SMALLER, SHALL BE 14 GAGE, HELICAL CONSTRUCTION, 2-2/3 X 1/2 CORRUGATION PATTERN. PIPE SHALL BE FORMED FROM SHEETS CONFORMING TO THE REQUIREMENTS OF ASTM B-209 ALLOY ALCLAD 3004-H34 AND TO AASHTO M-196 AND M-197, CURRENT EDITION. INSTALLATION AND PIPE PER GATOR CULVERT COMPANY, OR APPROVED EQUAL.

16. DRAINAGE WELLS SHALL BE 24" (2) AND 12" (1) DIAMETER STEEL CASING PIPES CONFORMING TO ASTM A-120. CASINGS TO EXTEND DOWN TO CLASS G-3 WATER. WELLS SHALL BE DRILLED A MINIMUM OF 10' BELOW THE BOTTOM OF THE CASING PIPES, WITH INSTALLATION IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION WELL PERMIT.

17. INTERCEPTOR TANK MANHOLES SHALL BE AS SHOWN ON THE DETAIL SHEET NO. 3.

18. DRAINAGE WELL TESTING – THE 24" DIAMETER DRAINAGE WELLS SHALL BE TESTED FOR MINIMUM CAPACITIES OF 2,700 GPM (4.25' RISE) AND 600 GPM (2.5' RISE). THE 12" DIAMETER DRAINAGE WELL SHALL BE TESTED FOR A MINIMUM CAPACITY OF 300 GPM (2.5' RISE). THE WELL DRILLER MUST SUBMIT A CERTIFIED TEST REPORT TO THE ENGINEER PRIOR TO FINAL CERTIFICATION. THE CONTRACTOR SHALL TEST THE WELLS FOR CAPACITY BY PUMPING WATER IN TO EACH WELL. THE CONTRACTOR MAY UTILIZE ANY TWO WELLS TO TEST THE THIRD.

19. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND TESTED SATISFACTORILY PRIOR TO THE APPLICATION OF ASPHALT PAVEMENT.

20. THE CONTRACTOR SHALL PROVIDE AN INDEPENDENT TESTING LABORATORY TO PROVIDE CERTIFICATION AS TO THE FOLLOWING: A) SUBGRADE THICKNESS AND MINIMUM CBR = 25 AND COMPACTION DENSITY CONFORMS TO SPECIFICATIONS; B) LIMEROCK BASE THICKNESS AND COMPACTION DENSITY CONFORMS TO SPECIFICATIONS; C) ASPHALT SURFACE COURSE THICKNESS AND COMPACTION DENSITY CONFORMS TO SPECIFICATIONS.

21. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AS-BUILT GRADES OF FINISHED PAVEMENT. SUCH GRADES SHALL BE OBTAINED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF FLORIDA. SUCH GRADES SHALL INCLUDE HIGH AND LOW POINTS, CROSS-SECTION OF ROADWAY, AND R/W GRADES FOR DRAINAGE INLETS.

22. THE CONTRACTOR SHALL DELINEATE HIS WORK, INCLUDING STORAGE OF MATERIALS AND EQUIPMENT, WITH MR. JIM SILVERS, A.A.

23. MAINTENANCE OF TRAFFIC TO BE IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEX NUMBER 600.

24. TRENCH DRAINS TO BE ACO MODEL NO. NA 100 WITH IRON GRATES OR APPROVED EQUAL.

25. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND OBTAIN ENGINEER'S APPROVAL PRIOR TO ORDERING.

EARTHWORK

NOTES AND SPECIFICATIONS

ALTERNATE A: STABILIZATION BY GEOTEXTILES

1. GEOTEXTILE: MIRAFI 600X.

2. BACKFILL MATERIAL: SECTION 30, DADE COUNTY PUBLIC WORKS DEPARTMENT (DCPWD) MANUAL, CURRENT EDITION.

3. INSTALLATION:

A. CLEAR AND GRUB SITE: SECTION 24, DCPWD MANUAL, CURRENT EDITION.

B. SMOOTH SURFACE OF EXISTING SOIL, TO AVOID RUTS AND HILLS.

C. UNROLL FABRIC IN SMOOTH SHEETS. OVERLAP JOINTS IN FABRIC BY 4-FEET MINIMUM.

D. AT ALL OUTSIDE EDGES OF AREAS BEING STABILIZED WITH GEOTEXTILE FABRIC, EXCAVATE A TRENCH AT LEAST 4-FEET DEEP, AND DRAPE FABRIC DOWN INSIDE FACE OF TRENCH, THEN BACKFILL TRENCH WITH EXCAVATED MATERIAL.

E. PLACE BACKFILL IN 12-INCH MAXIMUM LIFTS UP TO THE BOTTOM OF THE BASE COURSE. PLACING AND COMPACTION PER SECTION 30, DCPWD MANUAL, CURRENT EDITION.

F. TRUCK DUMP BACKFILL MATERIAL ONTO THE FABRIC, THEN SPREAD WITH LIGHTWEIGHT BULLDOZER. USE VIBRATORY COMPACTOR ONLY AFTER PRELIMINARY COMPACTION OF THE INITIAL 12-INCH THICK LIFT BY A BULLDOZER. NO VEHICLE SHOULD DRIVE DIRECTLY ON THE FABRIC OR WITH LESS THAN 12-INCHES OF CUSHION OVER THE FABRIC.

G. WHERE THE FABRIC MUST BE CUT, TO ALLOW INSTALLATION OF UNDERGROUND UTILITIES OR PLANTING TREES, CUT IN A STRAIGHT LINE AND LEAVE EACH FLAPS FOR INSTALLATION. AFTER INSTALLATION, REPLACE FLAPS, AND OVERLAY WITH STRIPS OF FABRIC, EXTENDING AT LEAST 4 FEET ON EACH SIDE OF THE CUT.

△ REVISION 3/25/98 – ADDED BLDG. ROOF DRAIN TO INTERCEPTOR TANK AND CATCH BASIN PER JIM SILVERS REQUEST

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CITY OF MIAMI BEACH

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BUILDING: _____
ZONING: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: 4-15-98 Parking Lot only
STRUCTURAL: _____
ACCESSIBILITY: _____

☐ PRELIMINARY
☐ NOT FOR CONSTRUCTION
☑ APPROVAL SET
☐ BID SET

555

SILVERSQUARE
1100 – 1130 FIFTH STREET, MIAMI BEACH, FLORIDA

PROPOSED GRADING AND DRAINAGE

SCALE	NONE	FILE	ACADD\SILVERS
DRAWN BY	MP
DATE	MAR., 1996	JOB NO.	27.06
REVISED BY	

ZEVEN DESIGN GROUP, INC.
1680 MERIDIAN AVENUE, SUITE 207 • MIAMI BEACH, FL
TEL (305) 672-1478 FAX (305) 672-5173

COVER SHEET

DRAWING NUMBER 1 OF 3

45