



PERMIT #

B0501506

06

30501506

MIAMI-DADE COUNTY, FLORIDA
A DIVISION OF THE FLORIDA DEPARTMENT OF
144 WEST FLAGLER STREET, SUITE 100
MIAMI, FLORIDA 33130-4900
(305) 375-2401 FAX (305) 375-2599

NOTICE OF ACCEPTANCE (NOA)

ALUMINUM (USA) Inc.
4821 NW 7th Avenue
Miami, FL 33142

SCOPE
This NOA is issued under the applicable rules and regulations governing the use of construction materials. The document submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Director of Rules and Appeals (DORA) to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

The NOA shall be valid after the requirements stated below. The Miami-Dade County Product Control Division (DCPC) and the AHJ (to areas other than Miami-Dade County) review the NOA to ensure that the product or material listed for quality assurance purposes. If the product or material fails to perform in the approved 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 quality assurance. NOA reserves the right to revoke the approval if it is determined by Miami-Dade County Product Control Division that the product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been tested and approved with the Miami-Dade County Hurricane Zone of the Florida Building Code.

DESCRIPTION: Alcoa 95 Clay Roof Tile

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" and "Approved for use in Miami-Dade County, Florida." If the manufacturer's name or logo is not on the product, there has been no change in the applicable building code which affects the performance of the product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the material, use, and/or installation of the product or process. Miami-Dade County will not be responsible for any products, materials, or services provided for any other purposes and, accordingly, terminate this NOA. Failure to comply with any terms of this NOA shall be cause for suspension and revocation of NOA.

ADVERTISEMENTS in NOA notices provided by the Miami-Dade County, Florida, and followed by the expiration date may be displayed in an electronic format. Any portion of the NOA is duplicated or otherwise used without the permission of the Miami-Dade County Product Control Division is prohibited.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributor and shall be available for inspection at the job site at the request of the Building Official.

This NOA covers pages 1 through 7.
The referenced document was reviewed by Frank Zullo, ASCE

NOA No: 05-111823
Expiration Date: 12/18/07
Approval Date: 12/12/02
Page 1 of 7

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Roofing Tiles
Material: Clay

1. SCOPE
This roofing assembly using Alcoa Clay Tiles, as manufactured by Alcoa (USA) Inc. is approved in Section 2 of the Miami-Dade County Building Code, provided that the design and construction complies with the requirements of the Miami-Dade County Building Code, and that the assembly shall be used as a permanent roof system.

2. PRODUCT DESCRIPTION

Manufacturer's Approval	Dimensions	Test Specification	Product Description
Alcoa Clay Tiles 95	L = 18 1/2" W = 12 1/2" 1/2" thick	TAS 112	High profile clay roof tile. For gable roof or other pitched roof applications.
Tile Fastener	Length: 1 1/2" Diameter: 1/8" Material: 304 Stainless Steel	TAS 112	Approved for use in clay roof tiles. For use in gable roof and other pitched roof applications. Manufactured for each tile profile.
Clay	L = 18 1/2" W = 12 1/2" 1/2" thick	PA 114	Tile slip
Clay	L = 18 1/2" W = 12 1/2" 1/2" thick	PA 114	L Shaped tile slip

2.1 SUBMITTED EVIDENCE:

Test Agency	Test Number	Test Name/Notes	Date
The Center for Applied Engineering, Inc.	04-211	Static Uplift Testing PA 112 (Alcoa Tile)	April 1994
The Center for Applied Engineering, Inc.	04-714	Static Uplift Testing PA 112 (Alcoa Tile)	May 1994
The Center for Applied Engineering, Inc.	04-7001	Static Uplift Testing PA 112 (Alcoa Tile)	Feb 1997
The Center for Applied Engineering, Inc.	04-7002	Static Uplift Testing PA 112 (Alcoa Tile)	Oct 1994
The Center for Applied Engineering, Inc.	04-7003	Static Uplift Testing PA 112 (Alcoa Tile)	May 2002
Calken Corporation Testing	04-7004	PA 112	October 2001
Redland Technology, Inc.	04-7005	PA 112	Dec 1991

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Test Agency	Test Number	Test Name/Notes	Date
Redland Technology, Inc.	04-7001	Static Uplift Testing PA 112 (Alcoa Tile)	Feb 1997
Redland Technology, Inc.	04-7002	Static Uplift Testing PA 112 (Alcoa Tile)	Aug 1994
Redland Technology, Inc.	04-7003	Static Uplift Testing PA 112 (Alcoa Tile)	May 2002
Redland Technology, Inc.	04-7004	Static Uplift Testing PA 112 (Alcoa Tile)	Oct 1994
Water Engineering, Inc.	04-7005	Water Penetration Resistance Testing PA 112 (Alcoa Tile)	March 1999
Water Engineering, Inc.	04-7006	Water Penetration Resistance Testing PA 112 (Alcoa Tile)	March 1999
Water Engineering, Inc.	04-7007	Water Penetration Resistance Testing PA 112 (Alcoa Tile)	February 1999
Water Engineering, Inc.	04-7008	Water Penetration Resistance Testing PA 112 (Alcoa Tile)	April 1999
Water Engineering, Inc.	04-7009	Water Penetration Resistance Testing PA 112 (Alcoa Tile)	December 1999

3. LIMITATIONS

- For limited use as shown on the approved drawings. For a complete list of limitations, see the Miami-Dade County Building Code, Section 2.
- Approved for use in accordance with TAS 112, approved by Miami-Dade County Product Control Division. For use in Miami-Dade County, Florida, and other areas where allowed by the Authority Having Jurisdiction (AHJ).
- Minimum installation shall be in accordance with the applicable Roofing Applications Standards listed in Section 2.
- NOA is not intended to be used for any other purposes and, accordingly, terminate this NOA. Failure to comply with any terms of this NOA shall be cause for suspension and revocation of NOA.
- This approval is for wood deck applications. Minimum deck requirements shall be in accordance with applicable building code.

4. INSTALLATION

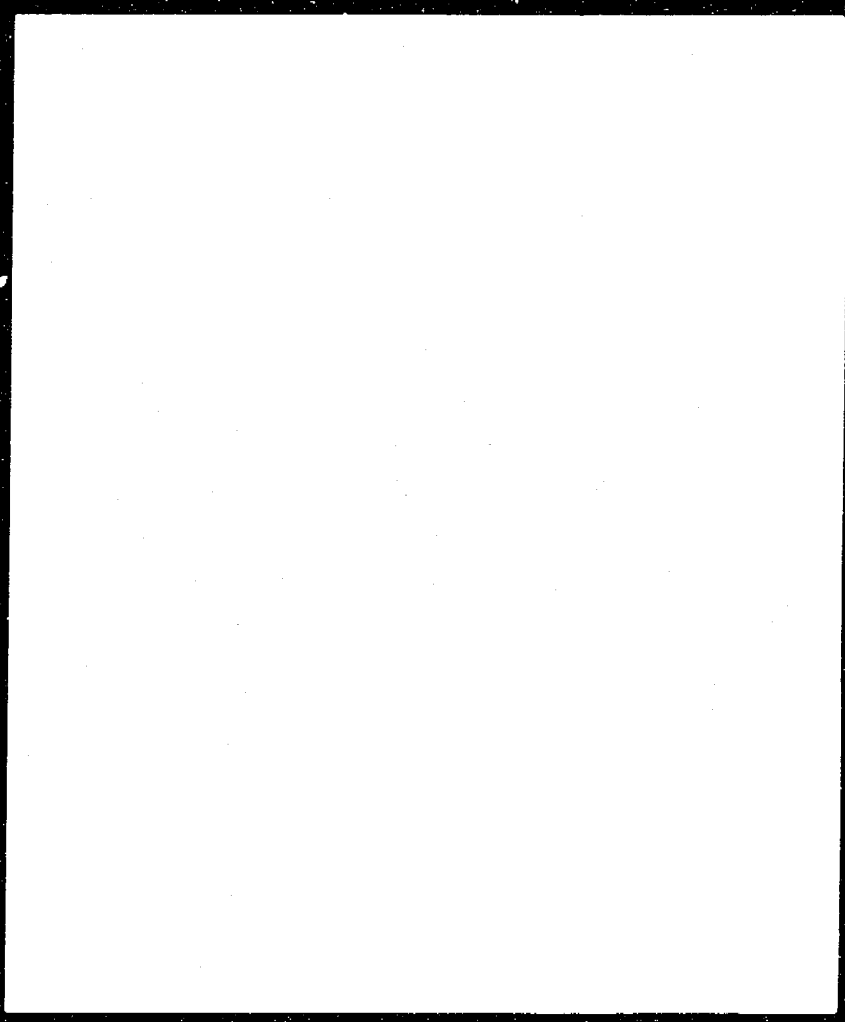
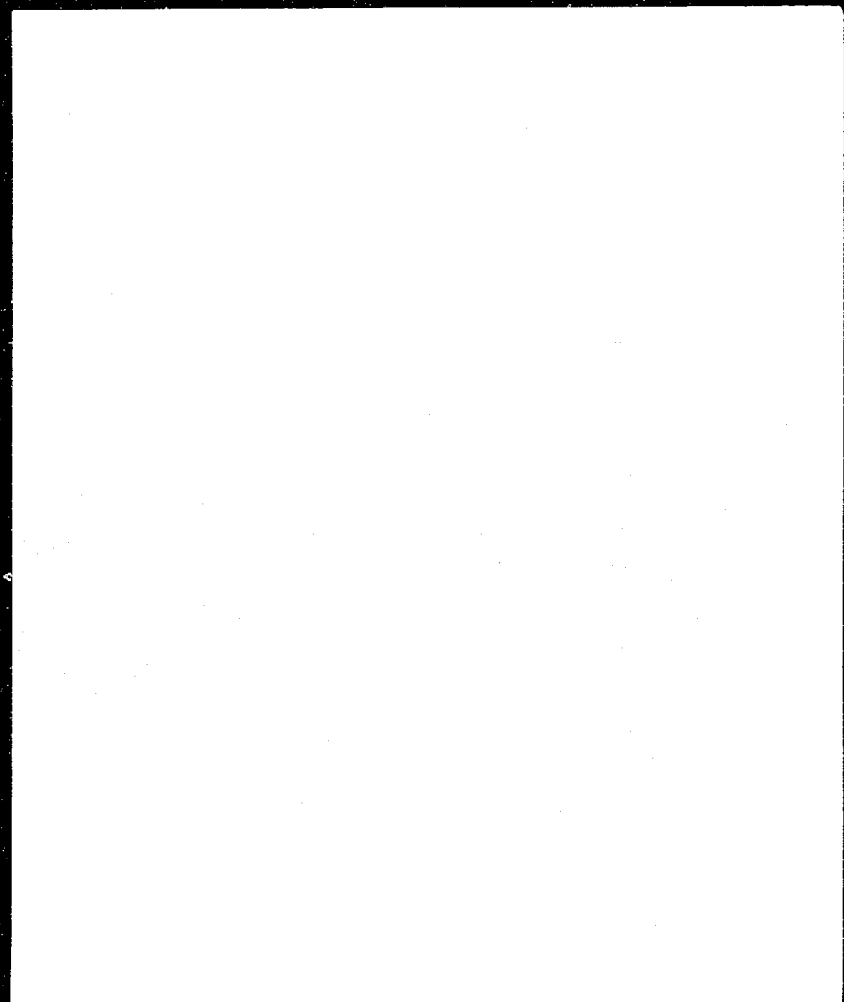
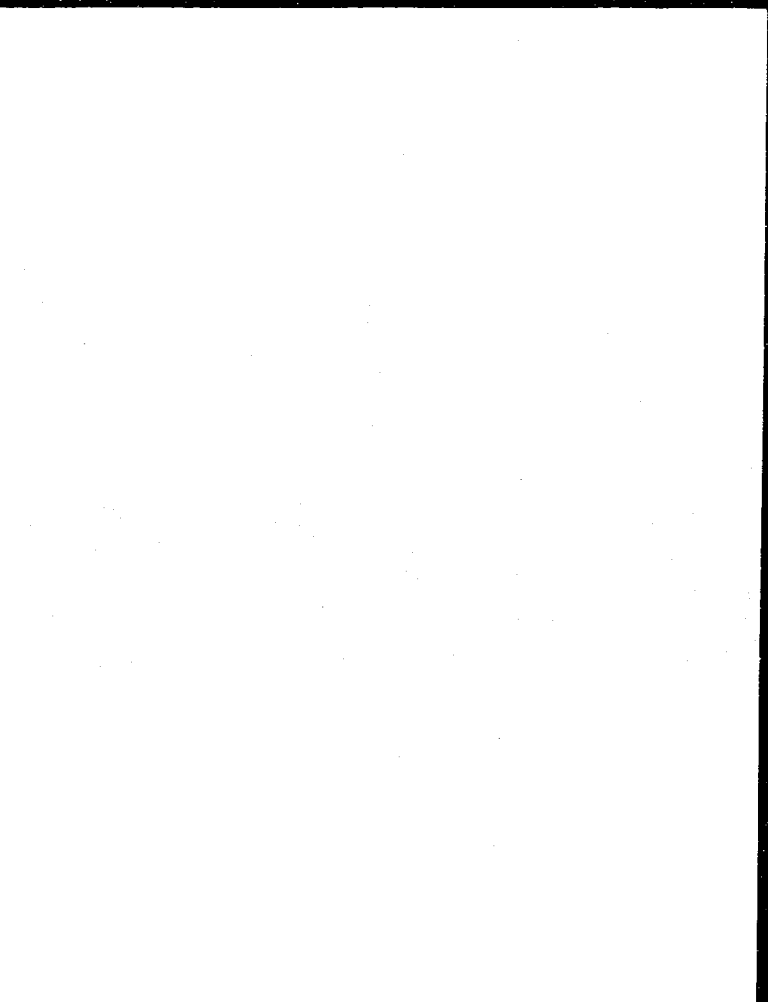
- Alcoa Clay Tiles 95 Clay Roof Tile shall be installed in strict accordance with Roofing Applications Standards PA 112, PA 113, and PA 114.
- See the Authority Having Jurisdiction (AHJ) for additional requirements.

Table 1: Average Weight (W) and Dimensions (L x W)

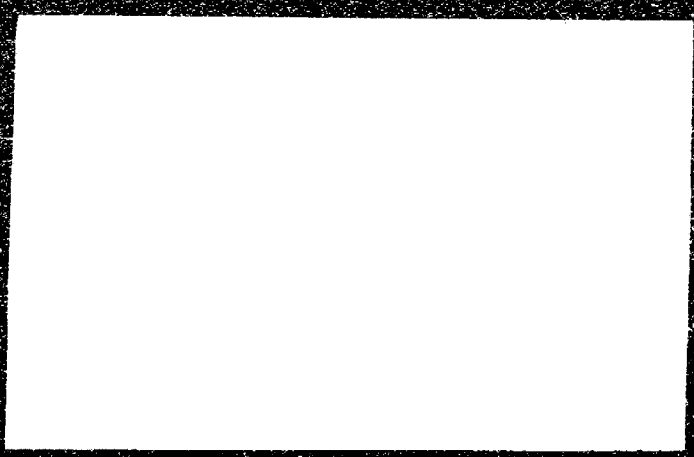
Tile Profile	Weight (W)	Length (L)	Width (W)
Clay Tile 95	2.5	18 1/2"	12 1/2"

NOA No: 05-111823
Expiration Date: 12/18/07
Approval Date: 12/12/02
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06



B0501506
790 LAKENVIEW DR



CITY OF MIAMI BEACH
Building Department
1700 Convention Ctr Drive, 2nd Floor
Miami Beach, Florida 33139
Inspections: (305) 673-7370 Office: (305) 673-7610

Bldg Small Work Permit

07-05-2007

Activity Number: B0705103

Status: APPROVED

Issued By: BUILSANK

Site Address: 790 LAKEVIEW DR MBCH
Parcel #: 32220221370

Applied: 06/19/2007
Approved: 07/05/2007
Completed:
To Expire: 01/01/2008

Valuation: \$4,800.00

Applicant: DAVILA MILTON A JR
9412 NW 45TH ST
SUNRISE 33351
954-584-0304

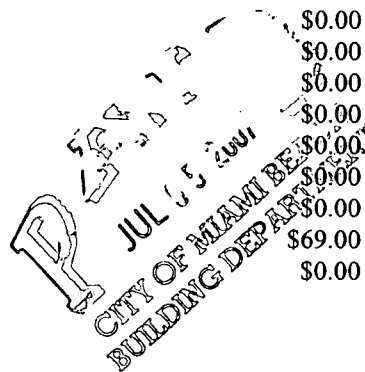
Property Owner: WILLARD H MARTZ
790 LAKEVIEW DR
MIAMI BEACH FLA 331402632

Description: POOL MARBLE PAVERS AROUND EXISTING POOL
Inspector Area: S Class Code: R3

DETAIL LIST

Alteration/Repair Fees

Alteration Bulding/Structures - Per Costs:	\$0.00	\$0.00
Awning, Canopy, Patio Cover - Per Costs:	\$0.00	\$0.00
Area Under Roof - RADON - Per Sq.Ft.:	0	\$0.00
Walk-Thru - Per Valuation:	\$0.00	\$15.00
Repairs to Building/Structure - Per Costs:	\$0.00	\$0.00
Roofing or Re-roofing - Per Sq.Ft.:	0	\$0.00
Window/Doors - Per # of:	0	\$0.00
Signs 36-4 (Writer/Erect) - Per Sq.Ft.:	0	\$0.00
Fence and/or Wall - Per Linear Feet:	0	\$0.00
Partial Demo (Struct, Sign, Wall) - Per Costs:	\$0.00	\$0.00
Swimming Pool - Per Gallon:	0	\$0.00
Painting - Per Costs:	\$0.00	\$0.00
Sandblasting - Per Costs:	\$0.00	\$0.00
Paving - Per Sq.Ft.:	1200	\$69.00
Concrete Slab - No Paving - Per Sq.Ft.:	0	\$0.00
Trees - Per # of:	0	
Hedges - Per Linear Feet:	0	
Groundcover - Per Sq.Ft.:	0	
Landscaping Fee:		\$0.00
Other Fees:		\$0.00
Penalty Fee (If Applicable):		\$0.00



Activity Number: B0705103**Fire Safety Fees**

New Building or Addition - Per Sq.Ft.:	0	\$0.00
Storage/Industrial Bldg - E & F Occup - Per Sq.Ft.:	0	\$0.00
Greenhouse/Argiculture on Premises - Per Sq.Ft.:	0	\$0.00
Screen Enclosure/Trail on Premises - Per Sq.Ft.:	0	\$0.00
SS Underground Tanks/App Shelter - Per #:	0	\$0.00
Construction not shown Above - Per Costs:	\$0.00	\$0.00
Alt/Repair Building/Structure - Per Costs:	\$0.00	\$0.00

Marine Structure Fee

Dock Area - Per Sq.Ft.:	0	\$0.00
Seawall - Per Linear Feet:	0	\$0.00
Boat Lifts, Davits, Hoist - Per # of:	0	\$0.00
Batter, Mooring, Dock Piles - Per # of:	0	\$0.00
Marine Structure Alt/Repair - Per Costs:	\$0.00	\$0.00

SFBC Compliance Surcharge

New Const/Add - Res/Mult-Fam/Comm - Per Sq.Ft.:	0	\$0.00
New Const/Add - Strg/Ind/Msc - Per Sq.Ft.:	0	\$0.00
Cost for Other Construction:		\$0.00

Training Fee

Training Fee:		\$5.00
Sanitation Fee:		\$20.00

Additional Fees

1st Reinspection:		\$0.00
Continued Reinspections - Per # of:	0	\$0.00
Building Joint Inspections - Per # of:	0	\$0.00
Change of Contractor Per # of:	0	\$0.00
Permit Extension - Per # of:	0	\$0.00

Residential Card:

Commercial Card:

Permit Card Replacements: \$0.00

Lost Plan Fee - SF: \$0.00

Lost Plan Fee - Other: \$0.00

Overtime Inspection Fees: \$0.00

Total of All Fees: \$112.00

Total of Payments: \$112.00

Balance Due: \$0.00



MIAMIBEACH

BUILDING DEPARTMENT

1700 Convention Center Drive
Miami Beach, FL 33139
Office: 305-673-7610 Fax: 305-673-7857

11/2-20

WORK PERMIT APPLICATION

FLORIDA BUILDING CODE IN EFFECT

DATE 05/15/07 PERMIT # B0705103

If subsidiary or revision, provide the Master building permit number here B: _____

IS THIS PERMIT ASSOCIATED WITH A VIOLATION? If so; BV# _____

For **DEMOLITION** provide the year the structure was built _____ Historic District Yes No

Type of Property Single Family Commercial Multi-Family/Condo

TYPE OF IMPROVEMENT: Building Electrical Plumbing Mechanical REVISION

Describe POOL MARBLE PAVERS AROUND EXISTING POOL

Job Value \$ 4,800 Square Feet 1,200 Linear Feet _____ Pool Gallonage _____ No. of units _____

Job Address 790 LAKEVIEW DRIVE

Folio # _____ Unit # _____

City MIAMI BEACH State FL Zip 33140 Phone 954-274-0105

Owner/Owner-Builder WILLARD H. MARTZ Drivers License No. _____

Address 790 LAKEVIEW DRIVE

City MIAMI BEACH State FL Zip 33140 Phone _____

Fee Simple Titleholder's Name (if other than owner) _____

Address _____

City _____ State _____ Zip _____ Phone _____

Contractor MILTON A DAVIDA JR License No. CGC031401

Address 518 SE 8th Ave

City DEERFIELD BEACH State FL Zip 33441 Phone 954-347-0676

Cell# _____ Fax # _____

Architect _____ License No. _____

Address _____

City _____ State _____ Zip _____ Phone _____

Engineer _____ License No. _____

Address _____

City _____ State _____ Zip _____ Phone _____

PLEASE COMPLETE SHADED AREAS

BUILDING WORK PERMIT APPLICATIONS ARE AVAILABLE ON THE MIAMI BEACH WEBSITE AT :WWW.MIAMIBEACHFL.GOV

Exp Permits

Bonding company Name N/A

Address _____

City _____ State _____ Zip _____ Phone _____

Mortgage Lender's Name N/A

Address _____

City _____ State _____ Zip _____ Phone _____

This application is hereby made to obtain a permit to do the work and installations as indicated. I certify that all work will be performed to meet the standards of all laws and construction regulations in this jurisdiction. I understand that **SEPARATE PERMITS** are required for *Electrical, Mechanical, Plumbing, Signs, Swimming Pools, Spas, Windows, Sliding Glass Doors and Roofing.*

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and Zoning.

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.

* If the contractor is going to be hired by the tenant, check here.

Willard Martz
Signature of Owner or Agent

N/A
Signature of Tenant

Milton A Davila
Signature of Qualifier

WILLARD MARTZ
Printed Name of Owner or Agent

Printed Name of Tenant

MILTON A Davila
Printed Name of Qualifier

Date 5/15/07

Date _____

Date 5/15/07

[Signature]
Signature of Notary Public

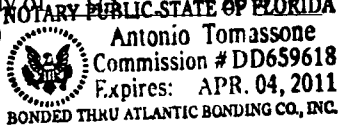
Signature of Notary Public

[Signature]
Signature of Notary Public

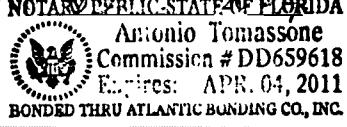
Identification DL

Identification _____

Identification DL

Sworn to and subscribed before me this 15 day of May 2007


Sworn to and subscribed before me this _____ day of _____ 20____.

Sworn to and subscribed before me this 15 day of May 2007


WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. NOTICE OF COMMENCEMENT SHOULD BE FILED AT: 22 NW 1ST STREET, MIAMI, FL

STATE OF FLORIDA

COUNTY OF DADE

WILLARD MARTZ
Print Owner's Name

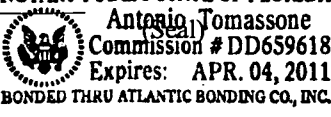
Willard Martz
Owner's Signature

Sworn to and subscribed before me this 15 day of 05

2007, by: _____

() Personally Known (X) Produced Identification - Type of Identification Driver License

[Signature]
Signature of Notary Public

NOTARY PUBLIC STATE OF FLORIDA


Application Approved By: _____
Permit Clerk



MIAMIBEACH

BUILDING DEPARTMENT

1700 Convention Center Drive
Miami Beach, FL 33139
Office: 305-673-7610 Fax: 305-673-7857

OWNER/BUILDER AFFIDAVIT

Disclosure Statement 489.103 (7) State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improve it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have license required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

For your information the Owner/Builder may become liable and responsible for the employees he hires to assist in the construction project. This responsibility may include the following where required by Law:

- A) Worker's compensation (for workers injured on the job)
- B) Social Security Tax (must be deducted from the employees wages and matched with the owner's funds)
- C) Unemployment Compensation (may or may not be required)
- D) Liability Coverage
- E) Federal Withholding Tax

I acknowledge that as an Owner/Builder, I WILLARD H. MARTZ am obligated to actually, physically, build the structure or do the work which I have permitted.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Miami Beach Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Miami-Dade County, i.e. masonry, drywall, carpentry. Contractors licensed by the Miami-Dade County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

I will assume full responsibility as an Owner/Builder Contractor and will personally supervise of do all work allowed by law on the permitted structure.

Property owner address 790 LAKE VIEW DRIVE, MIAMI BCH, FL 33140

Permit address (explain difference) _____

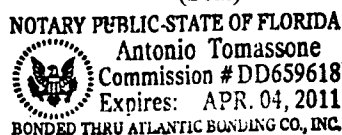
Telephone Number 954-274-0105 /

Sworn to and subscribed before me this 15 day of 05 2007, by: _____

() Personally Known (X) Produced Identification - Type of Identification DRIVER LICENSES

[Signature]
Signature of Notary Public

(Seal)



Willard H. Martz
Signature of Owner



BUILDING DEPARTMENT

1700 Convention Center Drive

Miami Beach, FL 33139

Office: 305-673-7610 Fax: 305-673-7857

CONSTRUCTION LIEN LAW FOR OWNERS

NOTE: IF YOU SIGNED AS THE OWNER'S AGENT YOU ARE RESPONSIBLE FOR DELIVERING THIS INFORMATION SHEET TO THE OWNER OF THE PROPERTY.

WARNING TO OWNER

Florida's Construction Lien Law (Chapter 713, Part One, Florida Statutes) requires the recording with the Clerk of the Courts a Notice of Commencement for real property improvements greater than \$2,500.00. However, it does not apply to the repair or replacement of an existing heating or air conditioning system less than \$5000.00 in value. This notice must be signed by you, the property owner. *Under Florida law, those who work on your property or provide materials and are not paid, have a right to enforce their claim for payment against your property. This claim is known as a construction lien.*

YOU MUST FILE A NOTICE OF COMMENCEMENT

For your protection under the Construction Lien Law and to avoid the possibility of paying twice or improvements to real property, you must record a Notice of Commencement in the Clerk of the Court's Office. You also must provide a certified copy of the recorded document at the construction site. The Notice of Commencement must be signed by you, the owner contracting the improvements, and not by your agent. The Notice of Commencement form, provided with this application packet, must be completed and recorded within 90 days before starting the work. A copy of the payment bond, if any is required by you and purchased by the contractor, must be attached as part of the Notice of Commencement when recorded. If improvements described in the Notice of Commencement are not actually started within 90 days after the recording of the Notice, a new Notice of Commencement must be recorded. You lose your protection under the Construction Lien Law if the payments are made to the contractor after the expiration of the Notice of Commencement. The Notice is good for one (1) year after the recording date or up to the date specified under item nine of the form. Florida law requires the Building Department to be a second source of information concerning the improvements made on real property.

YOU MUST POST THE NOTICE OF COMMENCEMENT AT THE JOB SITE

By law, the Building Department is required to verify at the first inspection, after the building permit is issued, that a certified copy of the recorded Notice of Commencement, with attached bonds if any, is posted at the construction site. Failure to show the inspector a certified copy of the recorded Notice will result in a disapproved inspection, (Florida Statute 713.135(1) (d)).

NOTICE TO OWNER FROM SUBCONTRACTORS AND SUPPLIERS

You may receive a Notice to Owner from subcontractors and material suppliers. This notice advises you that the sender is providing services or materials. Subcontractors and suppliers must serve a Notice to Owner within 45 days of commencing work to preserve their ability to lien your property. If your address changes from that given in the Notice of Commencement, you should record a corrected Notice reflecting your current address. This is done to help ensure you will receive all notices.

RELEASE OF LIEN FROM CONTRACTOR

Prior to paying the contractor, you need to receive a Release of Lien and Affidavit to the extent of payments from the general contractor. The Release of Lien and Affidavit shall state either that all the subcontractors and suppliers have been paid or list those unpaid and the amount owed. The contractor is required to list on the Release of Lien and Affidavit any subcontractor or supplier that has not been paid. That amount may be withheld from the contractor's pay and paid directly to the subcontractor or suppliers after 10 days written notice to the contractor. If the balance due to the contractor is not sufficient to pay in full all subcontractors and suppliers listed on the contractor's affidavit, you may wish to consult an attorney. The general contractor shall furnish a final Release of Lien and Affidavit to the owner indicating all subcontractors and suppliers have been paid at the time he requests final payment. You can rely on the affidavit in making final payment to the general contractor. If you make final payment to the general contractor without obtaining the affidavit, your property can be liened for non-payment if the general contractor fails to pay the subcontractors or suppliers. You should always obtain a Release of Lien and Affidavit from the contractor to the extent of any payments being made.

PO705103

1,200 SF

SCOPE OF WORK: POOL MARBLE PAVER BORDER

OWNER: WILLARD H. MARTZ

ADDRESS: 790 LAKEVIEW DRIVE MIAMI BEACH FL 33140

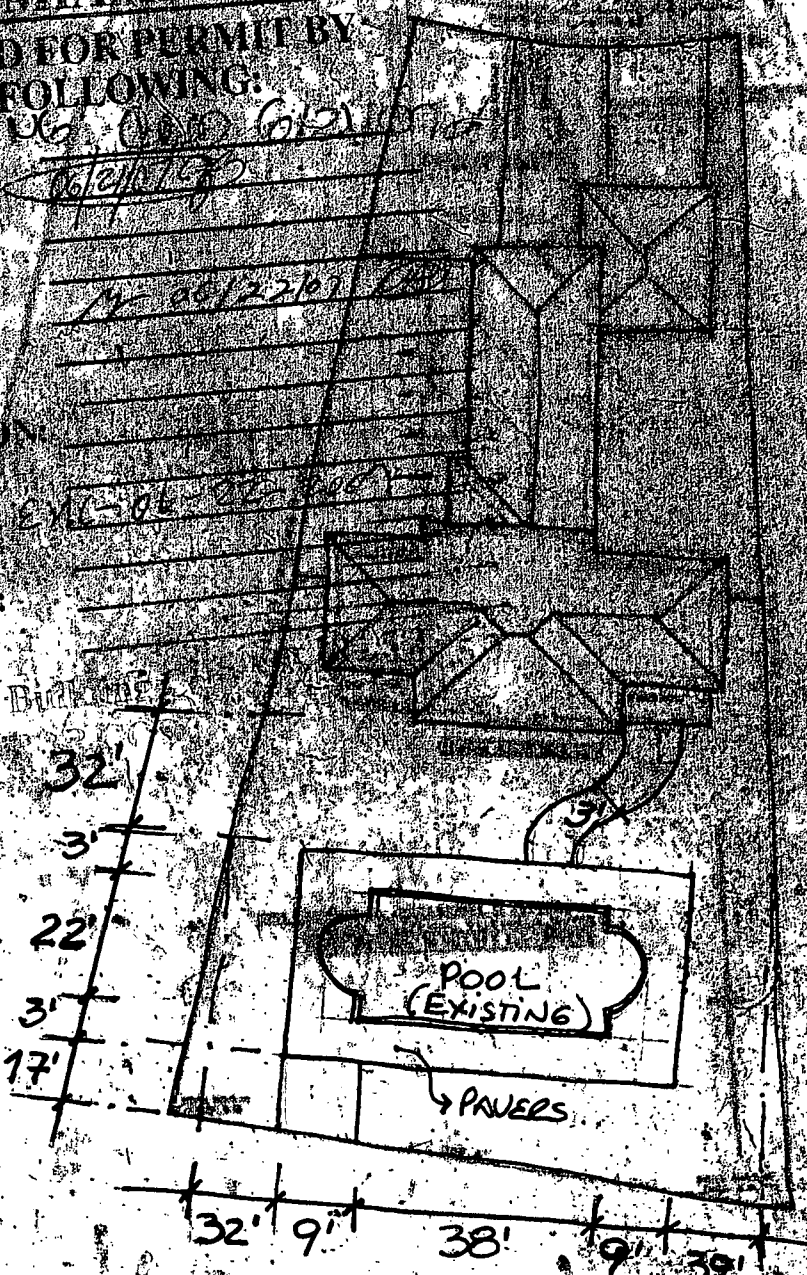
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

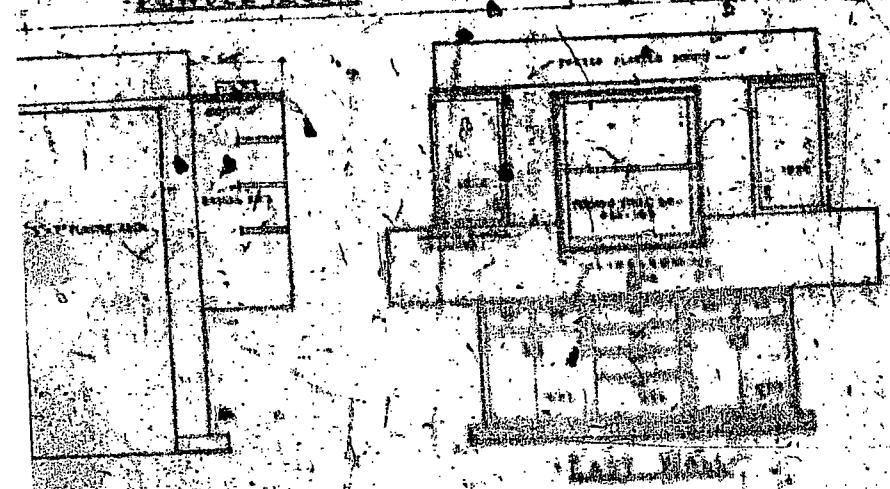
BUILDING
ZONING
DRE/HPB
CONCURRENCY
PLUMBING

MECHANICAL

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 requirements such as water treatment from other governmental entities, state agencies, or federal agencies. The City of Miami Beach requires that all plans which are approved subject to compliance with Federal, State and Local Laws, Codes and Regulations.



Pool & Plot Plan



POWDER ROOM

PLAN REVIEW NOTICE

Phone 305-673-7080

Fax 305-673-7028

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

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.)

OFFICE COPY
CITY OF MIAMI BEACH

EMC-06-22-2007

APPROVED FOR PERMIT BY
THE FOLLOWING:

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

WOOD GRATING ✓

POOL DECK
PAVERS ON

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

BOND 5103

790 Lakeview
Drive.

B1205223



MIAMI BEACH

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: B1205223

Date: 8-22-12

Job Address: 790 LAKE VIEW DR

Folio No.: 02-3222-0222-1370

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): <i>Plan and Specification, Survey Cost, Permit Fees, Swimming Pools, detached structures (garages, storages, cabanas), Landscaping, Fences, Yard light, Not Built-ins Appliances and Furniture.</i>		
Estimated Construction Cost	General Contractor Cost	Owner Cost
Demolition & Removal	\$ 3500.00	
Building & Structural Elements	272.40	
Roofing	500.00	
Doors & Windows	0.00	
Railing	0.00	
Interior Finish, Floor Covering, Painting	11,009.95	
Cabinets and Furniture-Built-ins	15,092.92	
Appliances-Built-ins	3500.00	
Other Building related Items	7358.00	
Electrical including Fixtures	14,316.00	
Elevator	0.00	
Mechanical-HVAC-equipments	5,200.00	
Plumbing including Fixtures	1,366.00	
Overhead and Profit	12,423.00	
Sub Total Construction Cost	\$ 74,538.33	\$
Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes	\$ 74,538.33	



MIAMI BEACH

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	0.00	
Fences, Pavers, Sidewalks, Site Improvements	0.00	
Yard Light	0.00	
Other and detached: garages, storage and cabanas	0.00	
Sub Total Cost	\$ 0.00	\$
Sub Total Construction Cost Estimate for non FEMA 50% Rule Purposes	\$ 0.00	

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	\$ 74,538.33
Sub Total Construction Cost Estimate for Non FEMA 50% Rule Purposes- Part II	\$ 0.00
Total Construction Cost Estimate. (Add Part I and Part II of Construction Cost)	\$ 74,538.33

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.

Willard Martz

 Signature of Owner

STATE OF FLORIDA
 COUNTY OF Miami Dade


Sworn to and Subscribed before me this 28 day of August 2012, by:

Willard Martz

Personally known Produced Identification - Type of Identification Florida D.L.

Melody Rodriguez

 Signature of Notary Public




MELODY RODRIGUEZ
 Commission # DD 849139
 Expires April 26, 2013
 Bonded Thru Troy Pain Insurance 800-385-7019

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

Hector Sire
 Signature of Qualifier / Contractor

STATE OF FLORIDA
 COUNTY OF Dade

Sworn to and Subscribed before me this 28 day of Aug 2012, by:
Hector Sire

[] Personally known [] **Professional Identification** Type of
 Identification  MY COMMISSION #EE122256
 EXPIRES: OCT 08, 2015
 Bonded through 1st State Insurance
[Signature]
 Signature of Notary Public

Part V: Building Department Use Only

A	Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes.	\$	74,538.33
B	Over Five Year Improvements	\$	2,850.00
C	Total Improvements	\$	77,388.33
D	Building Tax Assessed Value	\$	538,049.00
E	Building Appraised Market Value	\$	
F	Improvements Cost Ratio (C/E or C/D)	%	14.38

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

C. Guerrero
 Engineering Inspector Name

[Signature] 9/06/12
 Engineering Inspector Signature and Date

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

 Name

 Signature and Date

B1205223



MIAMI BEACH

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: B1205223

Date: 8-22-12

Job Address: 790 LAKE VIEW DR

Folio No.: 02-3222-0222-1370

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): <i>Plan and Specification, Survey Cost, Permit Fees, Swimming Pools, detached structures (garages, storages, cabanas), Landscaping, Fences, Yard light, Not Built-ins Appliances and Furniture.</i>		
Estimated Construction Cost	General Contractor Cost	Owner Cost
Demolition & Removal	\$ 3500.00	
Building & Structural Elements	272.40	
Roofing	500.00	
Doors & Windows	0.00	
Railing	0.00	
Interior Finish, Floor Covering, Painting	11,009.95	
Cabinets and Furniture-Built-ins	15,092.92	
Appliances-Built-ins	3500.00	
Other Building related Items	7358.00	
Electrical including Fixtures	14,316.00	
Elevator	0.00	
Mechanical-HVAC-equipments	5,200.00	
Plumbing including Fixtures	1,366.00	
Overhead and Profit	12,423.00	
Sub Total Construction Cost	\$ 74,538.33	\$
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MIAMI BEACH

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	0.00	
Fences, Pavers, Sidewalks, Site Improvements	0.00	
Yard Light	0.00	
Other and detached: garages, storage and cabanas	0.00	
Sub Total Cost	\$ 0.00	\$
Sub Total Construction Cost Estimate for non FEMA 50% Rule Purposes	\$ 0.00	

Part III: Total Construction Cost (Note: The construction cost will be validated by Plan Examiners)	
Estimated Construction Cost	
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Part IV: Signature Required

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Willard Martz
Signature of Owner

STATE OF FLORIDA
COUNTY OF Miami Dade

Sworn to and Subscribed before me this 28 day of August 2012, by:
Willard Martz

Personally known Produced Identification - Type of Identification Florida D.L.

Melody Rodriguez
Signature of Notary Public



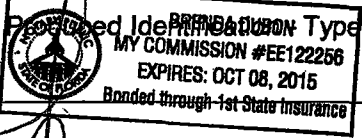
MELODY RODRIGUEZ
Commission # DD 849139
Expires April 26, 2013
Bonded Thru Troy Pain Insurance 800-385-7019

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

Hector Sire
 Signature of Qualifier / Contractor

STATE OF FLORIDA
 COUNTY OF Dade

Sworn to and Subscribed before me this 28 day of Aug 2012, by:
Hector Sire

[] Personally known [] Personal Identification Type of Identification

[Signature]
 Signature of Notary Public

Part V: Building Department Use Only

A	Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes.	\$	74,538.33
B	Over Five Year Improvements	\$	2,850.00
C	Total Improvements	\$	77,388.33
D	Building Tax Assessed Value	\$	538,049.00
E	Building Appraised Market Value	\$	
F	Improvements Cost Ratio (C/E or C/D)	%	14.38

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

C. Guerrero
 Engineering Inspector Name

[Signature] 9/06/12
 Engineering Inspector Signature and Date

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

 Name

 Signature and Date



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Date: 8-22-12

Job Address: 790 LAKE VIEW DR

Folio No.: 02-3222-0222-1370

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Estimated Construction Cost	General Contractor Cost	Owner Cost
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Part IV: Signature Required

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Willard Martz
Signature of Owner

STATE OF FLORIDA
COUNTY OF Miami Dade

Sworn to and Subscribed before me this 28 day of August 2012, by:
Willard Martz

Personally known Produced Identification - Type of
Identification Florida D.L.

Melody Rodriguez
Signature of Notary Public



MELODY RODRIGUEZ
Commission # DD 849139
Expires April 26, 2013
Bonded Thru Troy Fain Insurance 800-385-7019

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Hector Sire
 Signature of Qualifier / Contractor

STATE OF FLORIDA

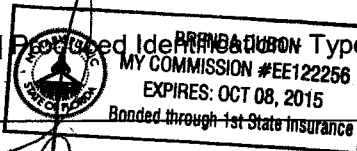
COUNTY OF Dade

Sworn to and Subscribed before me this 28 day of Aug 2012, by:

Hector Sire

[] Personally known [] Produced Identification Type of

Identification



Hector Sire
 Signature of Notary Public

Part V: Building Department Use Only

A	Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes.	\$	74,938.33
B	Over Five Year Improvements	\$	2,850.00
C	Total Improvements	\$	77,388.33
D	Building Tax Assessed Value	\$	538,049.00
E	Building Appraised Market Value	\$	
F	Improvements Cost Ratio (C/E or C/D)	%	14.38

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

C. Guerrero
 Engineering Inspector Name

[Signature] 9/06/12
 Engineering Inspector Signature and Date

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

Name

Signature and Date

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name WILLARD H MARTZ	For Insurance Company Use
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 790 LAKE VIEW DRIVE	Policy Number
City MIAMI BEACH State FL ZIP Code 33140	Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) FOLIQ: 02-3222-0222-1370, PB 14 PG 42 . Miami-Dade county, Florida.	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL	
A5. Latitude/Longitude: Lat. 25.8241 Long. 80.1308	Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.	
A7. Building Diagram Number 1-A	
A8. For a building with a crawspace or enclosure(s):	A9. For a building with an attached garage:
a) Square footage of crawspace or enclosure(s) N/A sq ft	a) Square footage of attached garage N/A sq ft
b) No. of permanent flood openings in the crawspace or enclosure(s) within 1.0 foot above adjacent grade N/A	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A
c) Total net area of flood openings in A8.b N/A sq in	c) Total net area of flood openings in A9.b N/A sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number 120635 : MIAMI BEACH		B2. County Name MIAMI-DADE		B3. State FLORIDA	
B4. Map/Panel Number 0269	B5. Suffix L	B6. FIRM Index Date 09-11-2009	B7. FIRM Panel Effective/Revised Date 09-11-2009	B8. Flood Zone(s) AH	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 9.0'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input checked="" type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date N/A <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.
Benchmark Utilized **D132-R** Vertical Datum **NGVD-1929**
Conversion/Comments **N/A**

Check the measurement used.

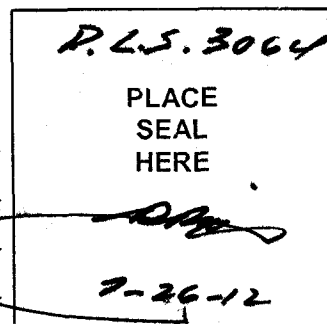
a) Top of bottom floor (including basement, crawspace, or enclosure floor) 6.31	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor N/A	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) N/A	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) 5.01	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 6.15	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) 4.77	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) 4.78	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Certifier's Name ROBERTO BRIZUELA	License Number 3064
Title PROF. LAND SURVEYOR	Company Name ROBERTO BRIZUELA & ASSOC
Address 7319 WEST FLAGLER STREET	City MIAMI State FL
Signature	Date 07-28-2012 Telephone 33144



IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

790 LAKE VIEW DRIVE

City MIAMI BEACH State FL ZIP Code 33140

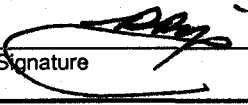
Insurance Company
Policy Number
Company Name/Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments NOTE: CROWN OF ROAD: 4.17'

C2 (a)(e) : TYPE OF EQUIPMENT: AIR CONDITIONER

Signature 

Date 07-28-2012

Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).

a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.

E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.

E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

G7. This permit has been issued for: New Construction Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters (PR) Datum _____

G10. Community's design flood elevation _____ feet meters (PR) Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
790 LAKE VIEW DRIVE

City MIAMI BEACH State FL ZIP Code 33140

For Insurance Company Use
Policy Number
Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page on the reverse.

FRONT VIEW:



Building Photographs

Continuation Page

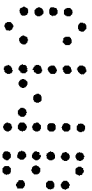
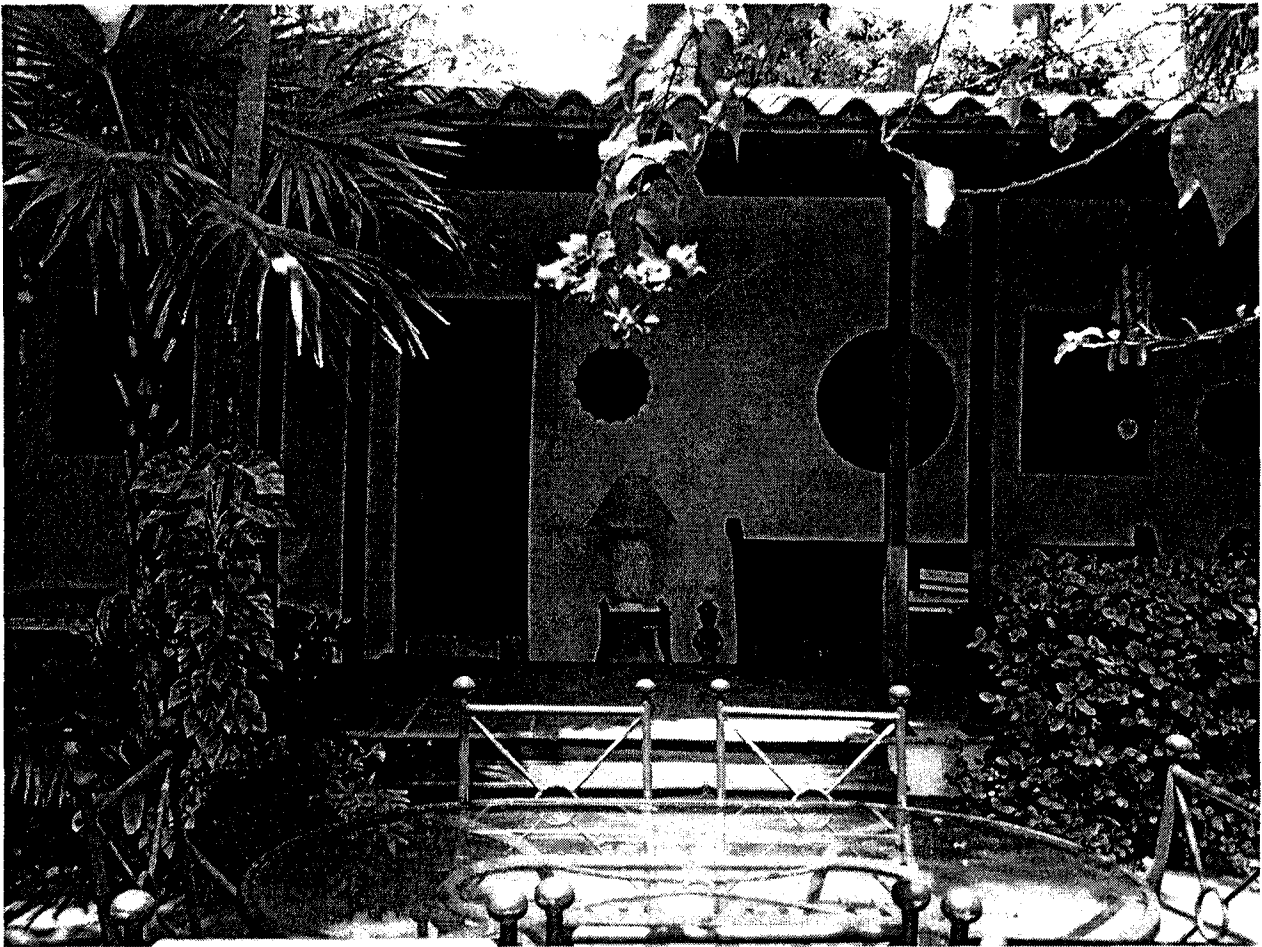
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790 LAKE VIEW DRIVE

City MIAMI BEACH State FL ZIP Code 33140

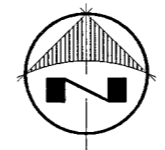
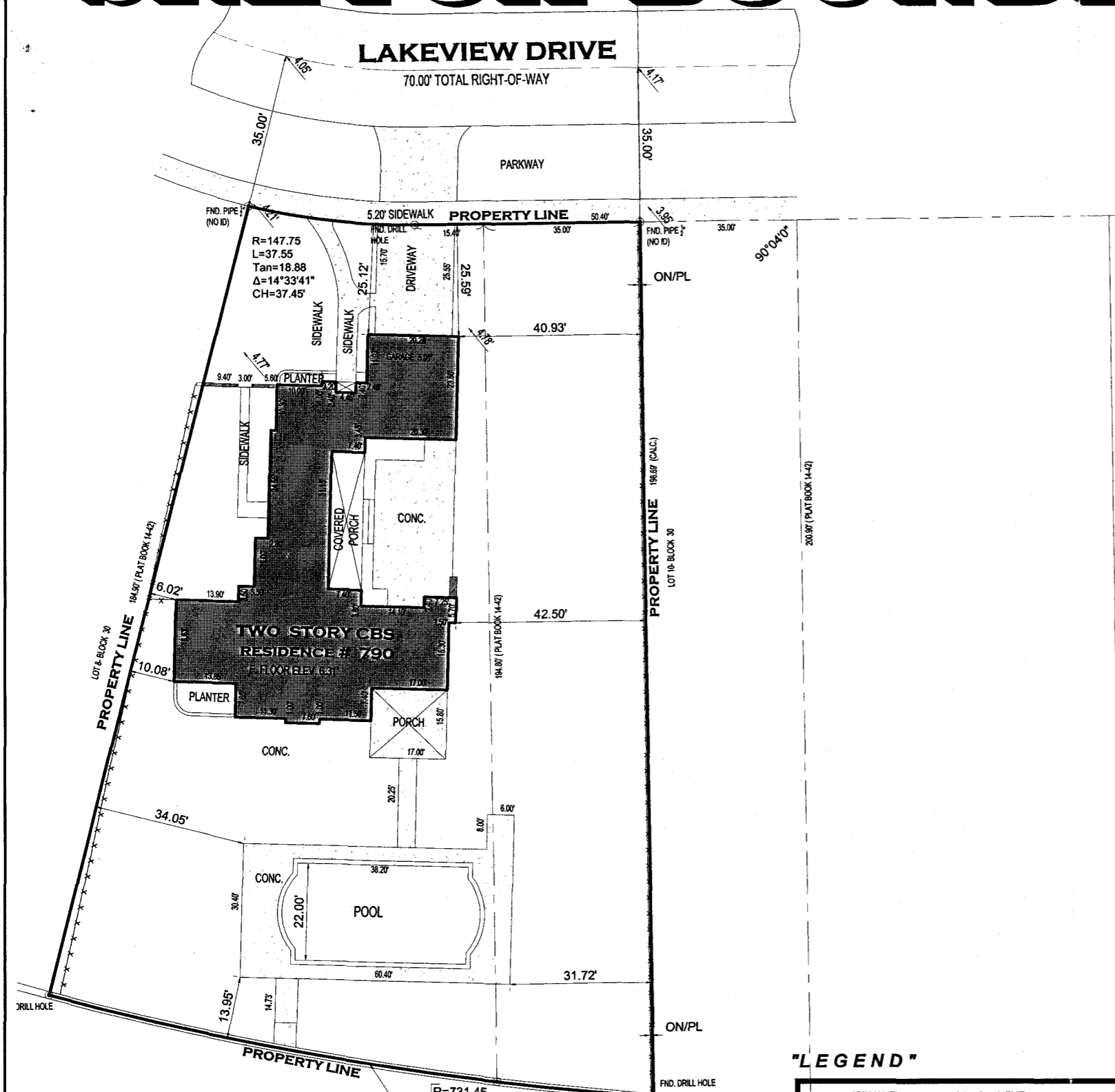
For Insurance Company Use
Policy Number
Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."

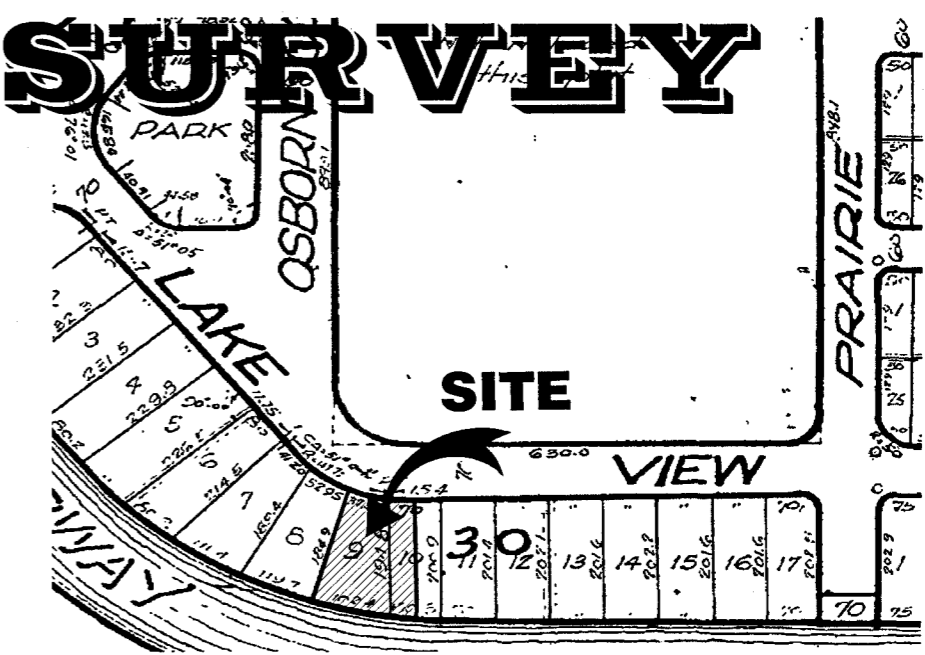
REAR VIEW:



SKETCH BOUNDARY SURVEY



SCALE: 1"=30'



ADDRESS: 790 LAKE VIEW DRIVE, MIAMI BEACH, FL 33140

LOCATION MAP

LEGAL DESCRIPTION:

Folio No.: 02-3222-022-1370

Lot 9 and the West 1/2 of Lot 10, Block 30 of LAKE VIEW, according to the Plat thereof as recorded in Plat Book 14 at Page 42 of the Public Records of Dade County, Florida a/k/a 790 Lakeview Drive, Miami Beach, Dade County, Florida

SURVEYOR'S NOTES:

- 1.) EXAMINATION OF ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING THIS PROPERTY.
- 2.) LOCATION AND IDENTIFICATION OF UTILITIES IF ANY ARE SHOWN IN ACCORDANCE WITH RECORDED PLAT.
- 3.) OWNERSHIP IS SUBJECT TO OPINION OF TITLE.
- 4.) TYPE OF SURVEY: " SPECIFIC PURPOSE SURVEY" (NOT A BOUNDARY SURVEY)
- 5.) THIS SURVEY IS NOT VALID UNLESS SIGNED AND SEALED BY THE SURVEYOR OF RECORD.
- 6.) ALL RIGHT OF WAYS SHOWN ARE PUBLIC UNLESS OTHERWISE NOTED.
- 7.) LANDS SURVEYED AS DESCRIBED.
- 8.) NO UNDERGROUND INSTALLATIONS ON IMPROVEMENTS HAVE BEEN LOCATED, EXCEPT AS NOTED.

NOTE: THIS SURVEY HAS BEEN PREPARED FOR EXCLUSIVE USE OF THE ENTITIES NAMED HEREON. THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTY.

FLOOD ZONE INFORMATION

Community Number	Panel Number	Suffix	Date of Firm Index	Firm Zone	Base Flood Elev.
120651	0308	L	09/11/2009	AE	8.0'

SOURCE ELEVATION PROVIDED BY DADE COUNTY SURVEY DEPARTMENT
 RELATIVE TO MEAN SEA LEVEL NATIONAL GEODETIC VERTICAL DATUM OF 1929
 LOCATOR INDEX: 4051 NW BENCHMARK NO. D132-R ELEVATION: 8.23'

NOTE: THIS SURVEY IS INTENDED FOR MORTGAGE OR REFINANCE PURPOSE ONLY, EXCLUSIVELY FOR THIS USE BY THOSE TO WHOM IT IS CERTIFIED. THIS SURVEY IS NOT TO BE USED FOR CONSTRUCTION, PERMITTING, DESIGN OR ANY OTHER USE WITHOUT WRITTEN CONSENT OF ROBERTO BRIZUELA.

"LEGEND"

- | | |
|---------------------------------------|---|
| P.R.M. - PERMANENT REFERENCE MONUMENT | U.E. - UTILITY EASEMENT |
| P.C.P. - PERMANENT CONTROL POINT | W.F. - WOOD FENCE |
| F.I.P. - FOUND IRON PIPE | M - MEASURE |
| S.I.P. - SET IRON PIPE 1/2" STAMPED | R - RECORD |
| F.D.H. - FOUND DRILL HOLE | S.N.D. - SET NAIL & DISC STAMPED P.L.S. |
| S.D.H. - SET DRILL HOLE | F.N.D. - FOUND NAIL & DISC |
| CL - CENTER LINE | C.B.S. - CONCRETE BLOCK STRUCTURE |
| RES - RESIDENCE | ENC. - ENCROACHMENT |
| L.F.E. - LOWEST FLOOR ELEVATION | P.W. - RIGHT OF WAY |
| F.F.E. - FINISH FLOOR ELEVATION | CL - CLEAR |

ROBERTO R. BRIZUELA & ASSOCIATES

Land Surveyors

OFFICE:
 7319 WEST FLAGLER STREET
 MIAMI, FLORIDA 33144
 PHONE: (305) 551-4393
 FAX: (305) 266-6112

JOB NUMBER: 12-07-156
 FIELD BOOK:
 FIELD WORK DATE: 07-28-2012
 REVISIONS 1:
 REVISIONS 2:
 REVISIONS 3:

I HEREBY CERTIFY THAT THE ATTACHED "SKETCH OF SURVEY" OF THE ABOVE DESCRIBED PROPERTY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS RECENTLY SURVEYED UNDER MY DIRECTION, AND THAT THERE ARE NO ENCROACHMENTS OTHER THAN THOSE SHOWN, AND MEETS THE INTENT OF THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS IN CHAPTER 61 G 17 OF FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES.

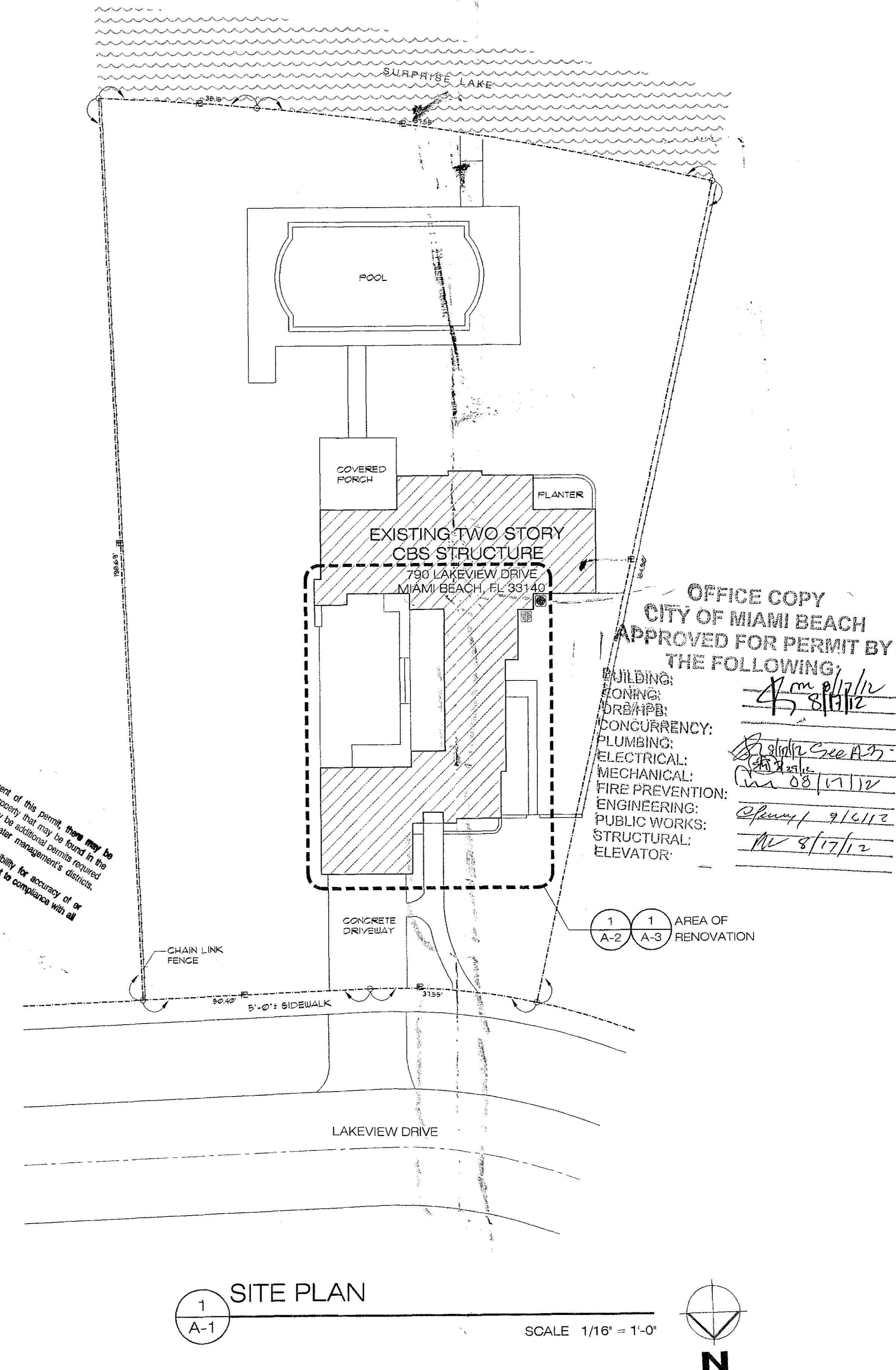
ROBERTO R. BRIZUELA
 PROFESSIONAL LAND SURVEYOR
 No. 3064
 STATE OF FLORIDA

Interior Renovation

Dr. Willard Martz

790 Lakeview Drive, Miami Beach

PROJECT DATA		DEMOLITION NOTES																																																																			
ZONING DISTRICT	R9-3	1. CAREFULLY REMOVE, TOTALLY OR PARTIALLY, INDICATED WALLS, FILL OR CUT AND GRIND ANY UNEVEN, LOW OR HIGH FLOOR AREAS AS NECESSARY TO MAKE ENTIRE FINISH FLOOR FLUSH AND UNIFORM.																																																																			
NET LOT AREA	23,151 S.F.	2. WHERE WALL/PARTITIONS ARE TO BE REMOVED, FINISH DAMAGED SURFACES (CEILING & WALLS) TO MATCH EXISTING.																																																																			
LEVEL OF ALTERATION	LEVEL 2 ALTERATION	3. BEFORE PAINTING EXISTING SURFACES, INSPECT THE ENTIRE AREA INVOLVED, PROPERLY PREPARE SURFACES TO RECEIVE PAINT, PATCH TO MATCH ADJACENT SURFACES WHERE NECESSARY.																																																																			
SCOPE OF WORK		FLOOR PLAN LEGEND																																																																			
WORK IN THE CONTRACT CONSISTS IN GENERAL OF THE FOLLOWING:		<ul style="list-style-type: none"> WALL OR BUILDING SECTION DETAILS NORTH ARROW HEIGHT FROM FINISH FLOOR FINISH FLOOR ELEVATION CENTER LINE BREAK LINE REVISION 																																																																			
1. RENOVATION OF EXISTING KITCHEN & HALL: - REPLACE WALL, CEILING & FLOOR FINISHES - REPLACE CEILING-MOUNTED FIXTURES - REPLACE CABINETS - REPLACE SINK & APPLIANCES - REPLACE CEILING & EXTERIOR WALL INSULATION																																																																					
2. ELECTRICAL WORK: - REPLACE ELECTRICAL PANEL - NEW ELECTRICAL SERVICE & SUBFEED WIRING - NEW GFI OUTLETS IN KITCHEN																																																																					
3. REPLACE A/C CONDENSING UNIT, AIR HANDLER & CORRESPONDING DUCTWORK																																																																					
GENERAL NOTES		DRAWING INDEX																																																																			
1. THESE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC, THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS. 2. ITEMS NOT EXPRESSLY SET FORTH BUT WHICH ARE REASONABLY IMPLIED OR NECESSARY FOR THE PROPER PERFORMANCE OF THIS WORK SHALL BE INCLUDED. 3. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE BASIS FOR PROPER COMPLETION OF THE PROJECT. 4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2010 EDITION. 5. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE THE FOLLOWING: 5.1. PRIOR TO STARTING WORK: 5.1.1. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. 5.1.2. LOCATE CONCEALED AND UNDERGROUND UTILITIES, PIPES, CONDUITS, ETC. 5.1.3. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE EXISTING CONDITIONS. 5.2. CONSTRUCTION MEANS AND METHODS. 5.3. EXERCISE DUE CARE DURING DEMOLITION, EXCAVATION AND CONSTRUCTION TO PROTECT WORKERS, PEDESTRIANS AND EXISTING CONSTRUCTION. 5.4. PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION AND KEEP THE SITE CLEAN & FREE OF DEBRIS. 5.5. DO NOT LOAD NEW OR EXISTING STRUCTURES BEYOND THEIR DESIGNED CAPACITY AND SHALL PROVIDE ALL SHORING AND BRACING REQUIRED DURING CONSTRUCTION. 5.6. COMPLY WITH THE SAFETY REQUIREMENTS OF LOCAL, STATE OF FLORIDA CODES AND FEDERAL LAWS.		<table border="1"> <thead> <tr> <th colspan="2">ARCHITECTURAL</th> <th colspan="4">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>A-1 COVER SHEET, PROJECT DATA</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>02</td> <td>A-2 EXISTING/DEMOLITION PLAN</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>03</td> <td>A-3 PROPOSED FLOOR PLAN, PARTIAL CEILING PLAN</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th colspan="2">MECHANICAL</th> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>04</td> <td>M-1 MECHANICAL PLAN</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>05</td> <td>M-2 MECHANICAL NOTES, DETAILS</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th colspan="2">ELECTRICAL</th> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>06</td> <td>E-1 ELECTRICAL PLAN</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>07</td> <td>E-2 ELECTRICAL NOTES, DETAILS & SCHEDULES</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ARCHITECTURAL		REVISIONS				NO.	DESCRIPTION	1	2	3	4	01	A-1 COVER SHEET, PROJECT DATA					02	A-2 EXISTING/DEMOLITION PLAN					03	A-3 PROPOSED FLOOR PLAN, PARTIAL CEILING PLAN					MECHANICAL						04	M-1 MECHANICAL PLAN					05	M-2 MECHANICAL NOTES, DETAILS					ELECTRICAL						06	E-1 ELECTRICAL PLAN					07	E-2 ELECTRICAL NOTES, DETAILS & SCHEDULES				
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ARCHITECT SOUTHEAST DESIGN ASSOCIATES, INC. MANUEL PEREZ-VICHOT, A.I.A. 627 ELDRON DR. #101, MIAMI SPRINGS, FL 33166 T 305.871.1648 F 305.871.1734 E MPEREZ@SEDAINC.COM WWW.SEDAINC.COM	MECHANICAL & ELECTRICAL ENGINEER R12 ENGINEERS, INC. ROLANDO GUARDO, P.E. 2000 NW 89 FL 135, DORAL, FL 33172 T 305.418.0065 F 305.460.3531 E ROLANDO@R12ENG.COM																																																																				



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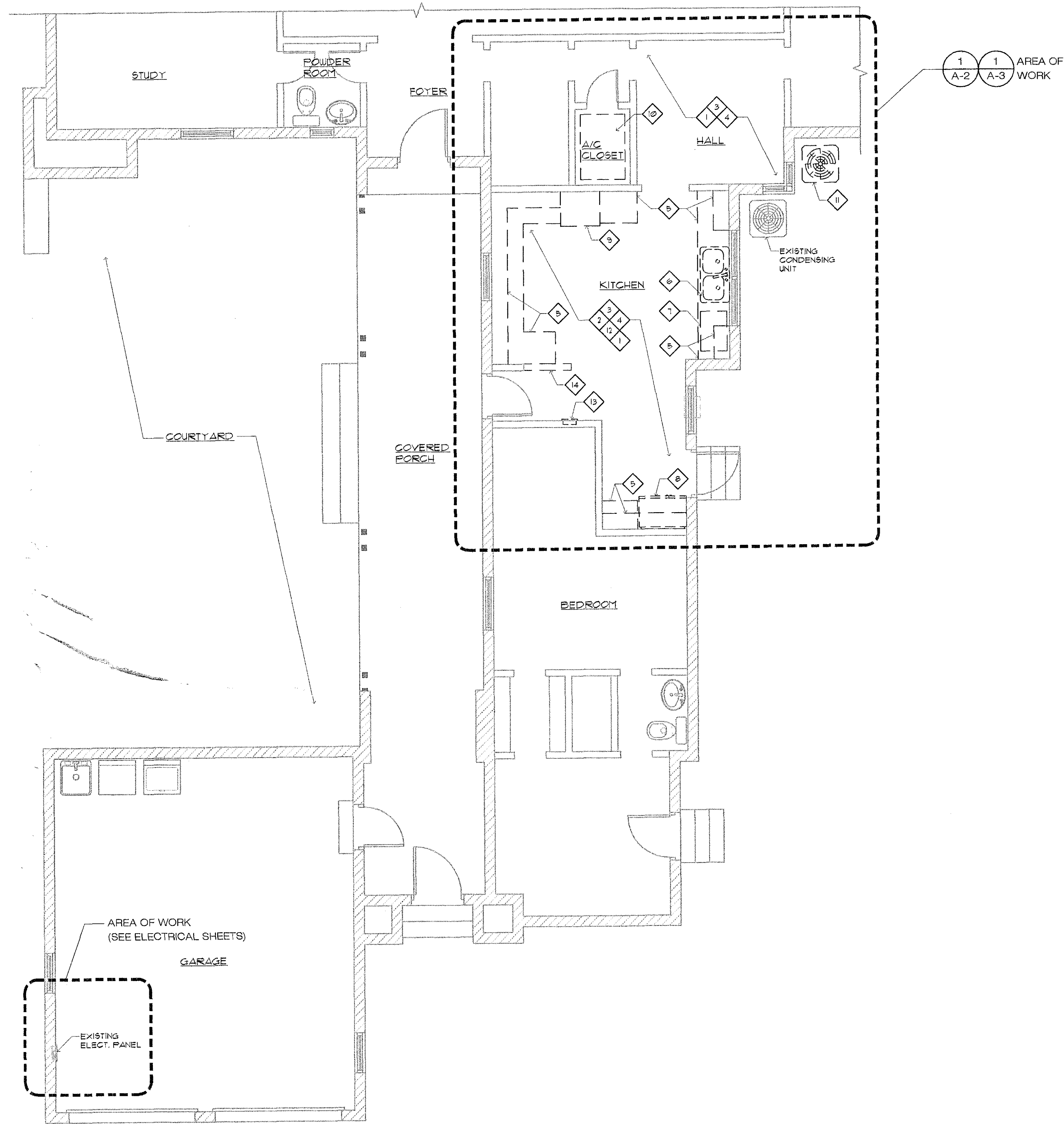
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 ZONING: [Signature]
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 MECHANICAL: [Signature]
 FIRE PREVENTION: [Signature]
 ENGINEERING: [Signature]
 PUBLIC WORKS: [Signature]
 STRUCTURAL: [Signature]
 ELEVATOR: [Signature]

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 the County and there may be additional permits required from other agencies of the County and there may be additional permits required from other agencies of the State and there may be additional permits required from the City of Miami Beach. The City of Miami Beach assumes no responsibility for accuracy of the results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

SOUTHEAST DESIGN ASSOCIATES, INC.
 Architectural Planning
 State Certified Architect Corporation
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Consultant:
 Interior Renovations
 Dr. Willard Martz
 790 Lakeview Drive
 Miami Beach, FL 33140
 Project: Dr. Willard Martz
 Owner: Dr. Willard Martz



LEGEND

	EXISTING CMU WALL
	EXISTING STUD PARTITION
	EXISTING TO BE REMOVED

DEMOLITION LEGEND

1	REMOVE CEILING-MOUNTED FIXTURES
2	REMOVE CEILING (INCLUDING CEILING-MOUNTED FIXTURES)
3	REMOVE FLOOR FINISH
4	REMOVE BASEBOARD
5	REMOVE COUNTER & CABINET
6	REMOVE SINK
7	REMOVE DISHWASHER
8	REMOVE REFRIGERATOR
9	REMOVE OVEN
10	REMOVE AIR HANDLER
11	REMOVE A/C CONDENSING UNIT
12	REMOVE & REPLACE EXTERIOR WALL INSULATION
13	REMOVE ELECTRICAL PANEL
14	REMOVE LOW WALL

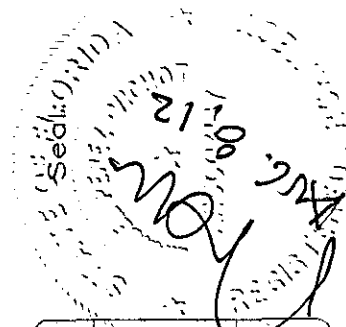
1
A-2
EXISTING / DEMOLITION PLAN
 GROUND FLOOR SCALE 1/4" = 1'-0"

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 Architecture Planning Design
 State Certified Architect Corporation
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Consultant:

Project:
Interior Renovations
Dr. Willard Hertz
 790 Lakeside Drive
 Miami Beach, FL 33140
 Owner: Dr. Willard Hertz



NO.	REVISIONS	DATE

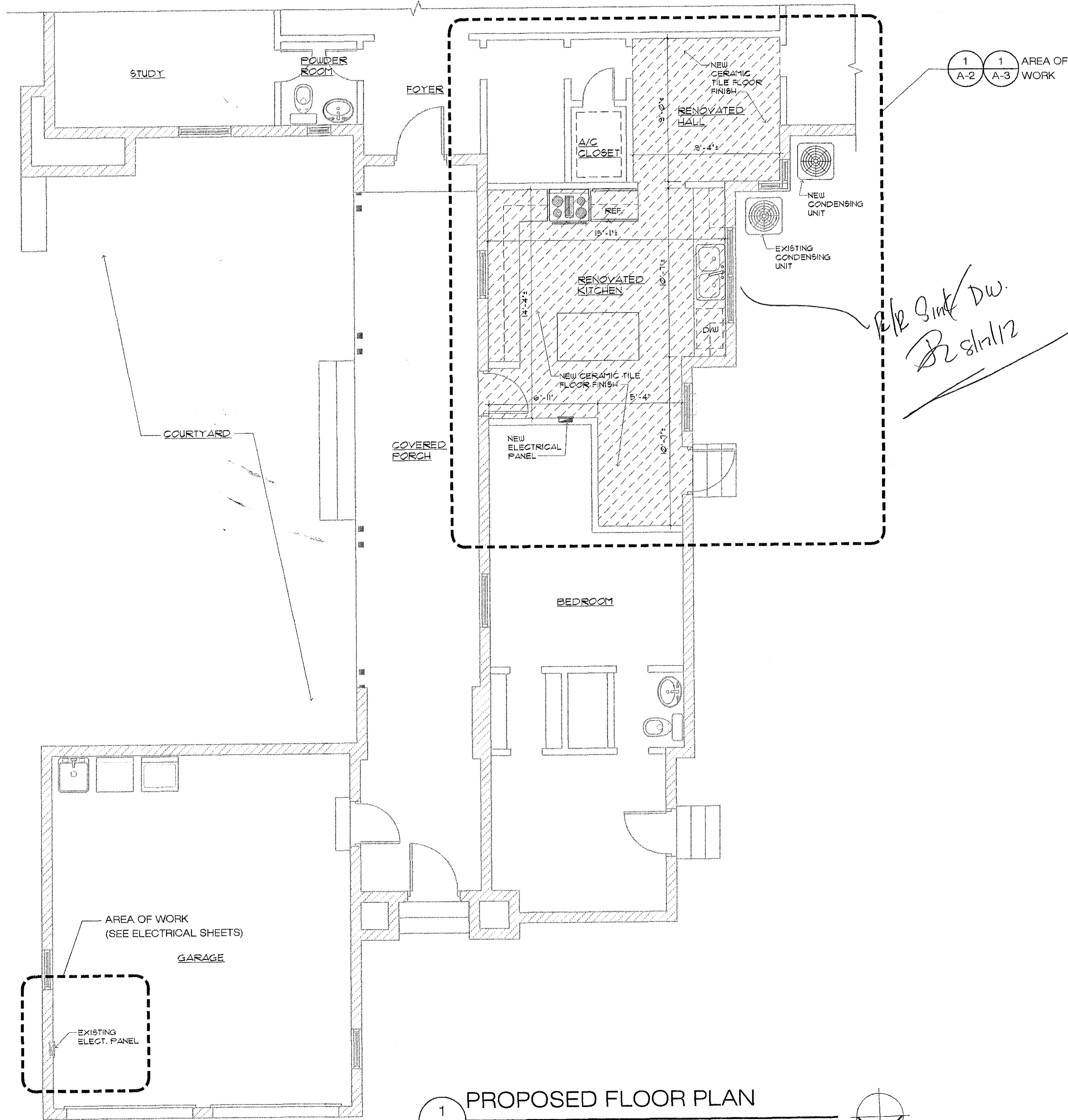
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 CADD FILE NAME: 1233-A2
 ISSUED DATE: 07/31/10
 SCALE: AS SHOWN
 DRAWN BY: OS
 DRAWING TITLE: EXISTING/DEMO PLAN
 SHEET NO. **A-2**
 OF A-3
 SHEET 2 OF 1

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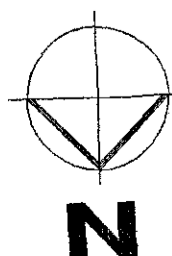
LEGEND	
	NEW CERAMIC FLOOR TILE AREA
	EXISTING CMU WALL
	EXISTING STUD PARTITION

- | CONSTRUCTION NOTES | |
|--------------------|---|
| 1. | REPLACE LATH & PLASTER CEILING SOFFIT AT HALL TO FACILITATE REPLACEMENT OF HVAC DUCTWORK. |
| 2. | REPLACE LATH & PLASTER WALLS AT KITCHEN WITH 1/2" GYPSUM BOARD ON 3/8" FURRING STRIPS. |
| 3. | REPLACE EXTERIOR WALL & CEILING INSULATION AT KITCHEN & HALL. |
| 4. | SUBMIT KITCHEN CABINET SHOP DRAWINGS FOR REVIEW AND APPROVAL. |
| 5. | COORDINATE CERAMIC TILE, BASEBOARD & PAINT FINISHES WITH OWNER. |
| 6. | COORDINATE WORK WITH MECHANICAL & ELECTRICAL DRAWINGS. |

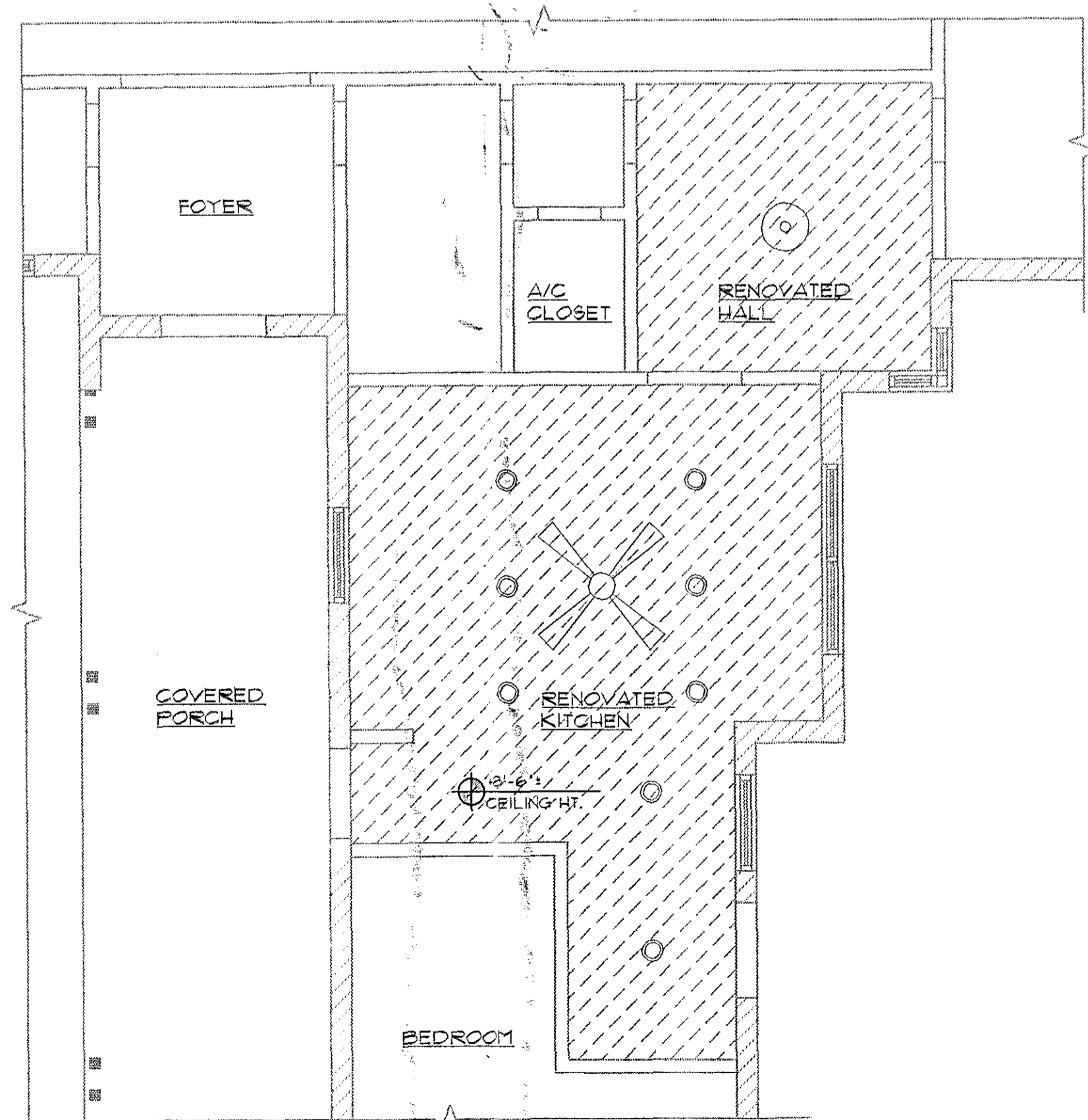
- | PAINT NOTES | |
|----------------------------------|--|
| A. PRODUCTS | USE THE INDICATED PRODUCTS OF BENJAMIN MOORE OR USE EQUAL PRODUCTS APPROVED IN ADVANCE BY THE OWNER. COLORS LATER SELECTED BY THE OWNER. |
| B. EXECUTION | 1. PREPARE SUBSTRATE AND APPLY PAINT COATINGS IN STRICT ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER. WALL PREPARATION INCLUDES PATCHING OR REPLACING SUBSTRATE AS REQUIRED TO ACHIEVE A UNIFORM FINISH, WITH NO VISIBLE VARIATION THROUGHOUT WALL SURFACE. |
| 2. | CONTRACTOR SHALL PAINT SURFACE UP TO THE NEXT CHANGE IN LEVEL. |
| 3. | PAINTING SCHEDULE: |
| 3.1. MASONRY/CEMENTIOUS SURFACES | 3.1.1. PRIMER - 1 COAT MOORECRAFT VINYL LATEX PRIMER SEALER
3.1.2. FINISH - 2 COATS MOORECRAFT LATEX SEMI-GLOSS ENAMEL |
| 3.2. WOOD | 3.2.1. PRIMER - 1 COAT MOOREWHITE PRIMER
3.2.2. FINISH - 2 COATS MOORE EGGSHELL FINISH PAINT |
| 3.3. DRYWALL | 3.3.1. PRIMER - 1 COAT MOORECRAFT VINYL LATEX PRIMER SEALER
3.3.2. FINISH - 2 COATS MOORECRAFT LATEX SEMI-GLOSS ENAMEL |



1 PROPOSED FLOOR PLAN
A-3 GROUND FLOOR SCALE 1/4" = 1'-0"



CEILING LEGEND	
	NEW 5/8" GYPSUM BOARD CEILING ON 3/8" FURRING STRIPS
	EXISTING CMU WALL
	EXISTING STUD PARTITION
	NEW CEILING FAN
	NEW CHANDELIER
	NEW LIGHT FIXTURES



2 PARTIAL CEILING PLAN
A-3 SCALE 1/4" = 1'-0"



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Consultant:

Project:
Interior Renovations
Dr. Willard Martz
150 Lakewood Drive
Miami Beach, FL 33140
Owner: Dr. Willard Martz

AC 12-12-12
12/12/12

NO.	REVISIONS	DATE

COMMISSION NO.: 1233
CADD FILE NAME: 1233-A3
ISSUED DATE: 07/31/12
SCALE: AS SHOWN
DRAWN BY: OS
DRAWING TITLE: FLOOR, CEILING PLANS
SHEET NO.

A-3
OF A-3
SHEET 3 OF 7

HVAC LEGEND:

- AIR HANDLING UNIT
- DESIGNATION FOR SUPPLY DIFFUSER
- DESIGNATION FOR RETURN REGISTER
- THERMOSTAT
- CEILING DIFFUSER
- RETURN AIR GRILLE
- SIDEWALL DIFFUSER
- DUCTWORK
- FLEX DUCTWORK
- EXHAUST FAN (CEILING TYPE)
- CONNECT TO EXISTING
- EXISTING TO REMAIN.

KEY NOTES

- ① PROVIDE MIN. 4" CLEARANCE AROUND AHU.
- ② THERMOSTAT SHALL BE PROGRAMMABLE
- ③ A/C CLOSET DOOR SHALL BE METAL FULLY LOUVER DOOR.
- ④ ALL MATERIALS EXPOSED WITHIN THE RETURN PLENUM CLOSET SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50.
- ⑤ REFRIGERANT PIPING TO CONDENSING UNIT - SIZE AS PER MANUFACTURER RECOMMENDATIONS.
- ⑥ REFER TO ARCHITECTURAL DRAWINGS FOR CEILING COORDINATION.

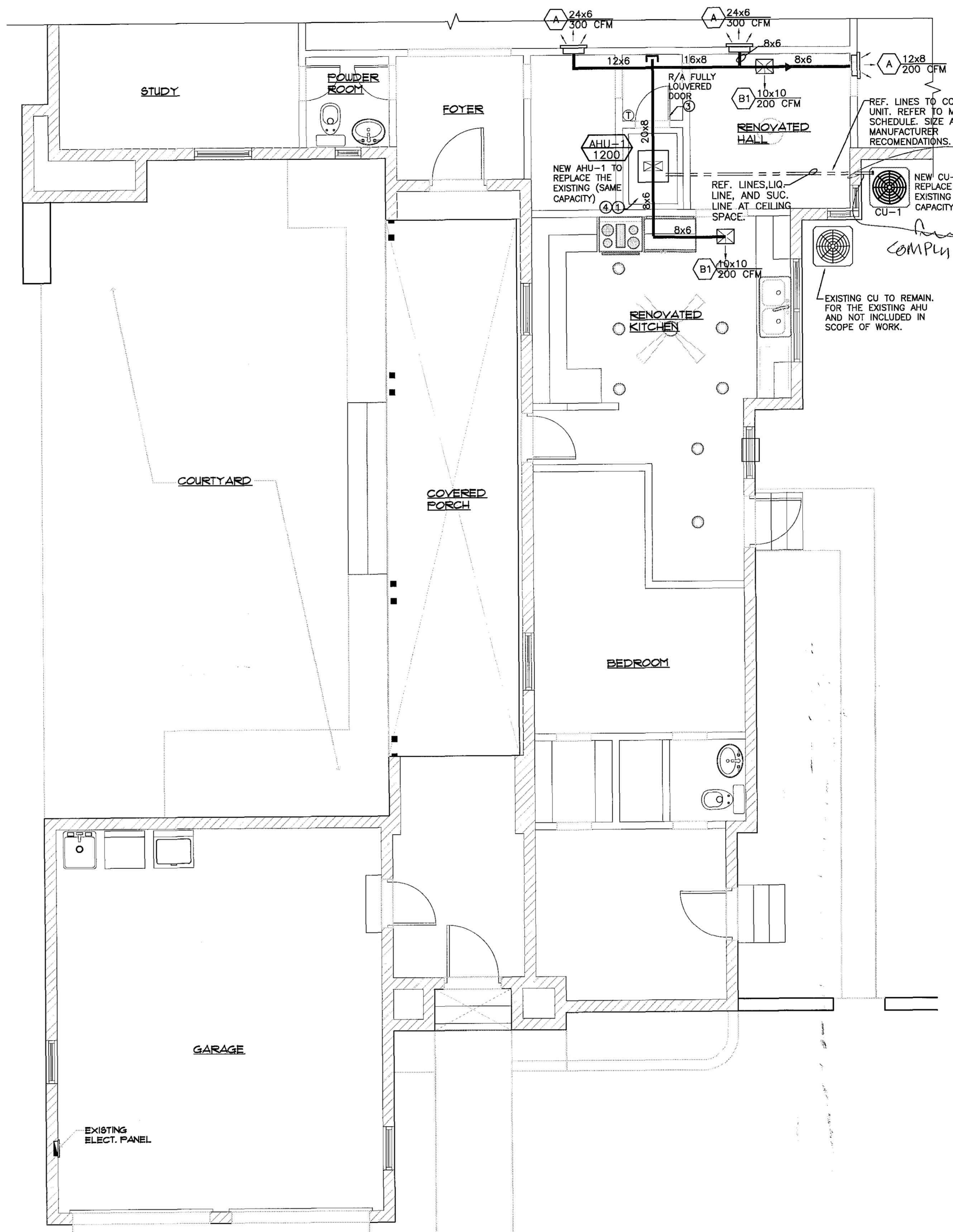
SCOPE OF WORK

THE NATURE OF THIS PROJECT INVOLVES:

- 1- REPLACE EXISTING 3 TON AIR-HANDLER AND CONDENSING UNIT AT FIRST FLOOR.
- 2- REPLACE CORRESPONDING DUCTWORK AT FIRST FLOOR (IN THE SAME AREA)

NOTES OF THIS SHEET

CONTRACTOR TO BE VERIFY ON SITE ALL EXISTING CONDITIONS PRIOR TO THE BID AND SHALL IMMEDIATELY BRING TO THE ARCHITECT'S ATTENTION ANY DISCREPANCIES OR CONDITIONS WHICH IN THE CONTRACTOR'S OPINION MAY AFFECT THE EXECUTION OF THE WORK.



REF. LINES TO CONDENSING UNIT. REFER TO M-2 FOR SCHEDULE. SIZE AS PER MANUFACTURER RECOMMENDATIONS.

NEW CU-1 TO REPLACE THE EXISTING (SAME CAPACITY)

EXISTING CU TO REMAIN FOR THE EXISTING AHU AND NOT INCLUDED IN SCOPE OF WORK.

08/17/14
COMPLY WITH F.M.C. 301.14

MECHANICA FLOOR PLAN

1 M-1 GROUND FLOOR SCALE 1/4" = 1'-0"

SOUTHEAST DESIGN ASSOCIATES, INC.
ARCHITECTS
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Miami, FL
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ERM
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3000 NW 36th St, Suite 111
Tel: 305 410 9777
Fax: 305 410 9778
www.ermcorp.com

Project:
Interior Renovations
Dr. Willard Martz
780 Lakewood Drive
Miami Beach, FL 33142
Owner:
Dr. Willard Martz

Seal:

NO.	REVISIONS	DATE

COMMISSION NO.: 1233
CADD FILE NAME: 1233-A2
ISSUED DATE: 07/31/12
SCALE: AS SHOWN
DRAWN BY: CS
DRAWING TITLE: MECHANICAL PLAN
SHEET NO. M-1
OF M-1
SHEET 1 OF 2

A/C SCHEDULE RESIDENTIAL	
UNIT NUMBER	AHU-1
TYPE	SPLIT DX
SUPPLY CFM	1200
SENSIBLE CAPACITY, MBTU/HR.	25.6
TOTAL CAPACITY, MBTU/HR.	36.8
HEATER CAPACITY (KW)	5.0
AIR TEMP. CONDENSER	95 F
AIR TEMP. ENT. EVAP., DB/WB	80/67
REFRIGERANT	R-410A
AIR HANDLING UNIT	
DIMENSION (WxDxH) IN	21X22X35
WEIGHT (LBS)	-
MODEL	RBHP21J11SH2
MANUFACTURER	RHEEM
POWER SUPPLY	208/240-1P
MCA (Amp)	22.4
MOP (Amp)	30
FLA-HP	-
CONDENSING UNIT	
DIMENSION (HxWxD) IN	23X45X32
WEIGHT (LBS)	95
MODEL	RANL036JAZ
MANUFACTURER	RHEEM
POWER SUPPLY	240-1P
MCA (Amp)	24
MOP (Amp)	40
FAN FLA	-
COMPRESSOR QTY./TYPE	1/SCROLL
COMPRESSOR RLA-LRA	112 LRA
REFRIGERANT PIPE LIQUID/SUCTION (IN)	3/8 / 7/8
SEER	14.0

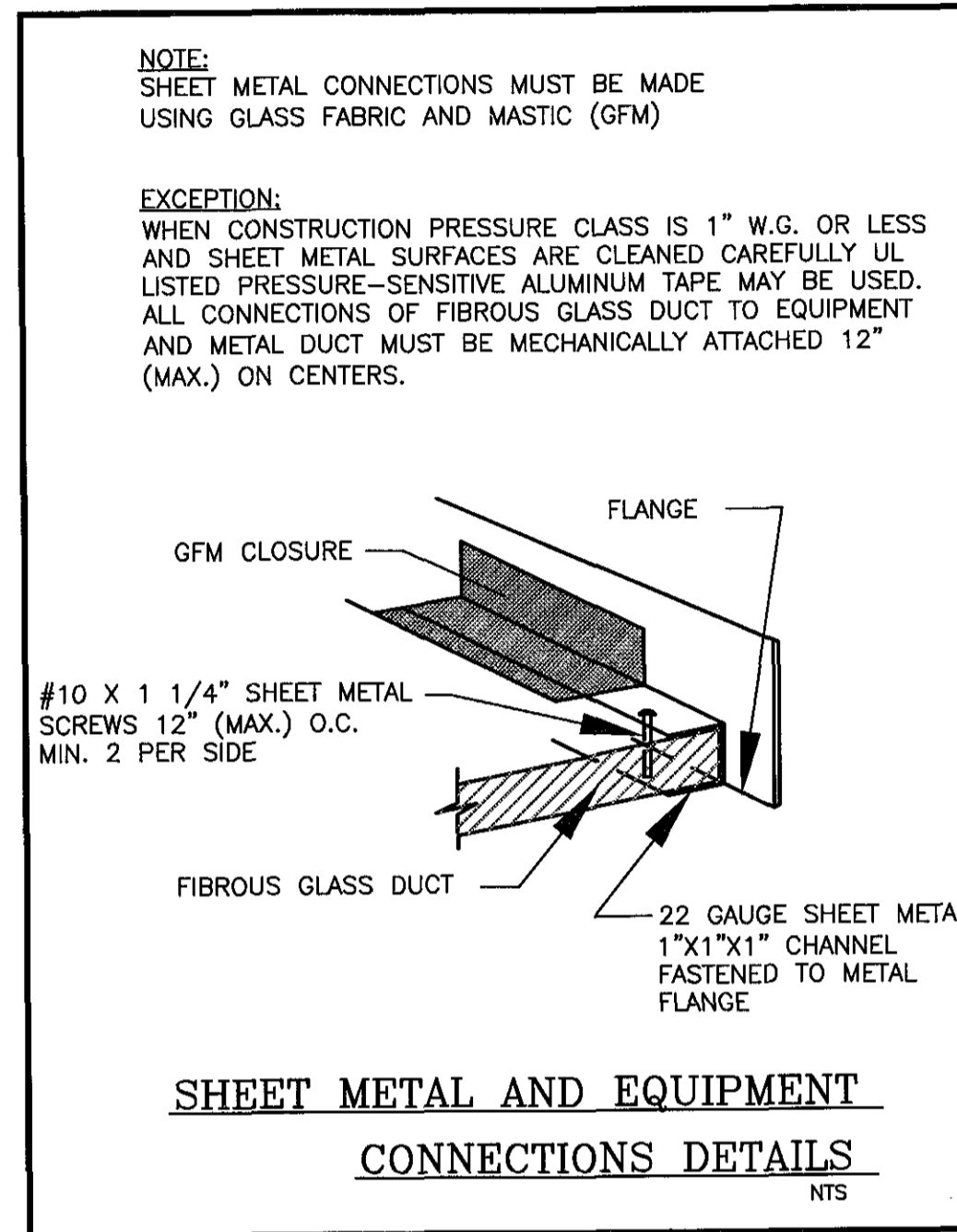
PROVIDED WITH FACTORY INSTALLED CIRCUIT BREAKER.
A/C SCHEDULE (USED THIS MANUFACTURER OR EQUAL APPROVAL)
REFRIGERANT LINES AS PER MANUFACTURER RECOMMENDATIONS.

AIR DISTRIBUTION SCHEDULE					
SYMBOL	TYPE	TYPE	MANUFACTURER	MODEL	REMARKS
(A)	SUPPLY	SUPPLY SIDEWALL DIFFUSER	AIR GUIDE	VH-1-0B	DOUBLE DEFLECTION REGISTER WITH INDIVIDUALLY ADJUSTABLE WITH OPPOSED BLADE DAMPER
(B)	SUPPLY	CEILING DIFFUSER	AIR GUIDE	CB-0B	CEILING DIFFUSER WITH OPPOSED BLADE DAMPER
(C)	RETURN	RETURN GRILLE	AIR GUIDE	RA-CB-0B	RETURN REGISTER WITH OPPOSED BLADE DAMPER

PATTERN:
B=2-WAY CORNER B1=1-WAY B2=2-WAY B3=3-WAY B4=4-WAY

USE SIZES SHOWN ON DRAWINGS

NOTES:
1. ALL AIR DISTRIBUTION SHALL BE OF EXTRUDED ALUMINUM CONSTRUCTION, FINISH TO BE SELECTED BY ARCHITECT.
2. NECK SIZE SHALL MATCH SIZE AND CONFIGURATION OF CONNECTED DUCTWORK INDICATED ON PLAN DRAWINGS.
3. REFER TO PLAN FOR QUANTITY, LOCATION AIR, THROW PATTERN AND SIZES.



HVAC		
HVAC DESIGN REQUIREMENTS	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER(S)		X
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR		X
CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

GENERAL NOTES

A- SCOPE OF WORK
ALL WORK SHALL CONFORM WITH THE 2010 FLORIDA BUILDING CODE AND FLORIDA MECHANICAL CODE 2010, NFPA, ASHRAE, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES. WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, AND PERFORMING ALL OPERATIONS IN CONNECTION WITH THE FURNISHING OF ALL AIR CONDITIONING, HEATING AND VENTILATION WORK AS SHOWN ON DRAWINGS, HEREIN SPECIFIED AND/OR EQUAL EQUIPMENT SUBMITTED FOR APPROVAL.

B- AIR CONDITIONING SYSTEM OF SPLIT TYPE.
SHALL CONSIST OF CONDENSING UNIT AND AIR HANDLING UNIT AS INDICATED ON DRAWINGS. SYSTEM SHALL BE PROVIDED COMPLETE WITH FRAMES AND ENCLOSURES, WIRING, NECESSARY CONTROLS REFRIGERANT CHARGE AND OIL CHARGE, STRIP HEATER, INTERCONNECTING PIPES AND FILTER BOX. REFRIGERANT LINES SHALL BE OF COPPER OF THE PRECHARGED, PRE-INSULATED TYPE FURNISHED AND SIZED BY SUPPLIER OF EQUIPMENT. PROVIDE SMOKE DETECTORS TO SHUT OFF UNIT.

C- GUARANTEE
CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE COVERING ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.

D- CONTRACTOR SHALL PROVIDE POSITIVE MEANS FOR BALANCING EACH INDIVIDUAL AIR CONDITIONING SUPPLY AIR OUTLET, AS PER SCHEDULES & DRAWINGS, SYSTEMS SHALL BE BALANCED AGAINST THE ACTUAL INSTALLED STATIC PRESSURE.

E- BEFORE SUBMITTING HIS FINAL PROPOSAL, THE CONTRACTOR SHALL EXAMINE THE SITE OF THE PROPOSED WORK TO DETERMINE THE EXISTING CONDITIONS THAT MAY AFFECT HIS WORK AS HE WILL BE RESPONSIBLE FOR ANY ASSUMPTIONS MADE BY HIM IN REGARDS THERETO.

F- ANY APPARATUS, APPLIANCE, MATERIAL WORK OR INCIDENTAL ACCESSORIES OR MINOR DETAILS NOT SHOWN BUT NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

G- DUCTWORK
1) DUCTWORK SHALL BE FIBER BOARD FOR ALL INDOOR AIR CONDITIONED SUPPLY AND RETURN DUCTWORK. SHEET METAL DUCTS SHALL BE USED FOR EXHAUST, AND NON-CONDITIONED OUTSIDE AIR INTAKE. EXTERIOR (EXPOSED TO WEATHER) AIR CONDITIONED SUPPLY & RETURN DUCTS SHALL BE INTERNALLY INSULATED SHEETMETAL (R-8 MIN.) MADE TOTALLY WATER PROOF. -TOILET EXHAUST AIR DUCTWORK AND DOMESTIC CLOTHES DRYER SHALL BE SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
2) GLASS FIBER DUCTWORK SHALL BE "OWENS CORNING" RECTANGULAR DUCT SYSTEM TYPE HD-FR OR EQUAL, 1.5 IN. INSULATION R-6.0, CONFORMING TO APPLICATION MANUAL PUB. # 5-GL-2024 & DESIGN GUIDE, PB. # 5-IN-2617 FOR ALL ATTIC CONDITION SPACES. NON-ATTIC CONDITIONS 1.0 IN. INSULATION (R-4.2) CONFORMING TO MANUALS PUB. #5-GL-2024 & DESIGN GUIDE, PB. # 5-IN-2617.
3) METAL DUCTS SHALL BE IN ACCORDANCE WITH LATEST ISSUE OF THE LOW VELOCITY DUCT CONSTRUCTION STANDARDS, PUBLISHED BY THE "SHEET METAL AND AIR CONDITIONED CONTRACTORS NATIONAL ASSOCIATION, INC." AND THE LATEST PUBLICATION OF GUIDE & DATA BOOK OF THE AMERICAN SOCIETY OF HEATING, VENTILATING AND AIR CONDITIONING ENGINEERS.

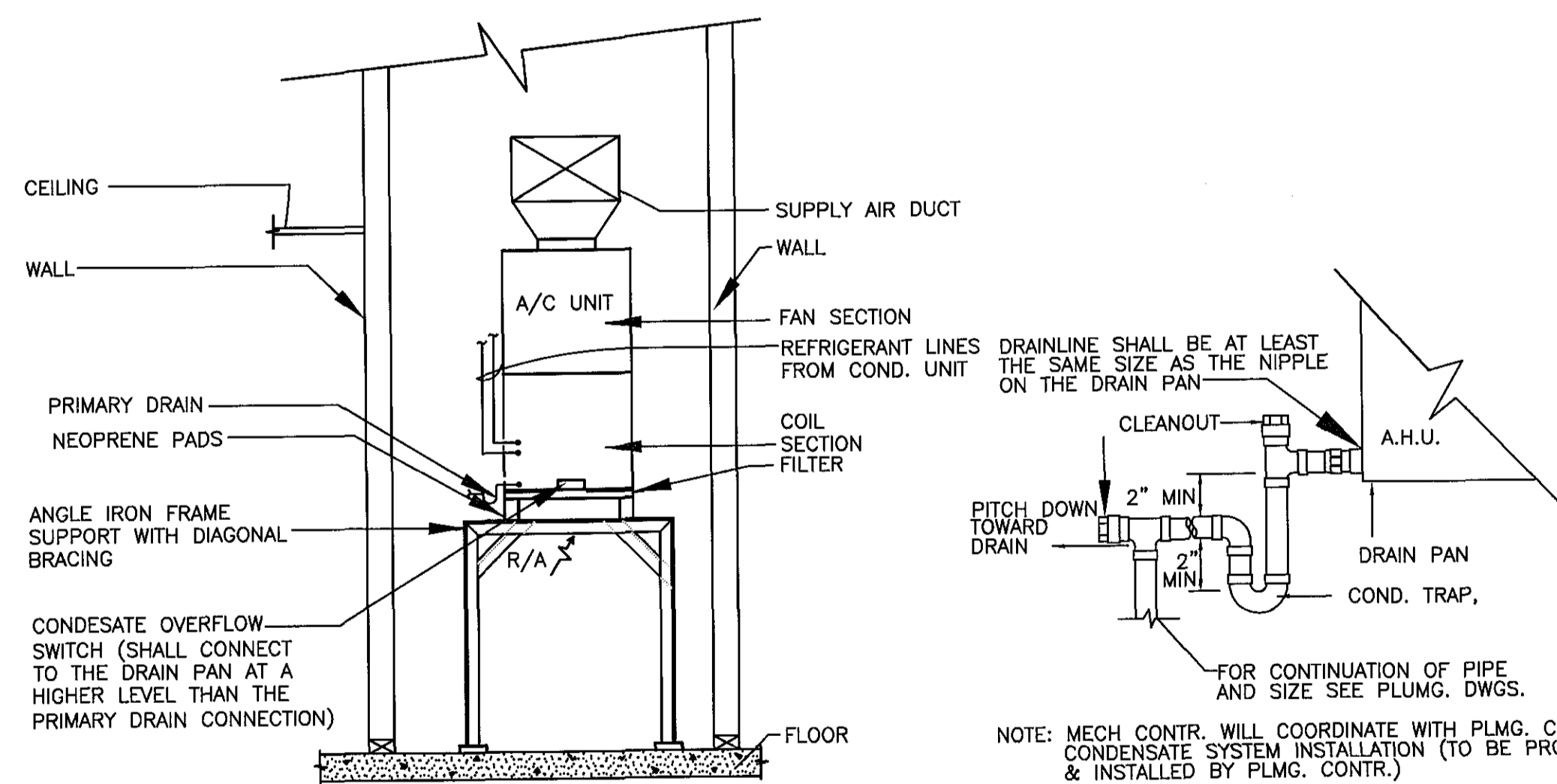
H- CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL COSTS INCURRED RESULTING FROM SUBSTITUTION OF EQUIPMENT AS WELL AS THE PERFORMANCE AND SPACE REQUIREMENTS OF SUCH EQUIPMENT.

I- VIBRATION ISOLATION
PROVIDE SUPPORTS OR MOUNTS FOR ALL EQUIPMENT LOCATED WITHIN THE BUILDING STRUCTURE POWERED BY ONE HORSEPOWER OR LARGER MOTOR. FLEXIBLE PIPING CONNECTIONS SHALL BE PROVIDED FOR ALL PIPING CONNECTED TO EQUIPMENT MOUNTED OR SUPPORTED BY VIBRATION ISOLATORS.

J- TESTS
ALL TESTS SHALL BE PERFORMED AS REQUIRED DURING THE DIFFERENT STAGES OF WORK AND A FINAL 24 HOUR MINIMUM RUNNING TEST SHALL BE DONE AFTER ALL OTHER TESTS AND BALANCING OPERATIONS HAVE BEEN DONE.

K- SUBMIT SHOP DRAWINGS FOR ACCEPTANCE BY THE ARCHITECT AND/OR ENGINEER BEFORE PROCEEDING WITH PURCHASE OR INSTALLATION OF THE EQUIPMENT AND MATERIALS.

L- CONDENSATE PIPING
CONDENSATE PIPING SHALL BE OF PVC SCHED. 40, EXCEPT INSIDE A/C PLENUM SPACES WHERE COPPER PIPING SHALL BE INSTALLED.



AIR HANDLING UNIT MOUNTING DETAIL

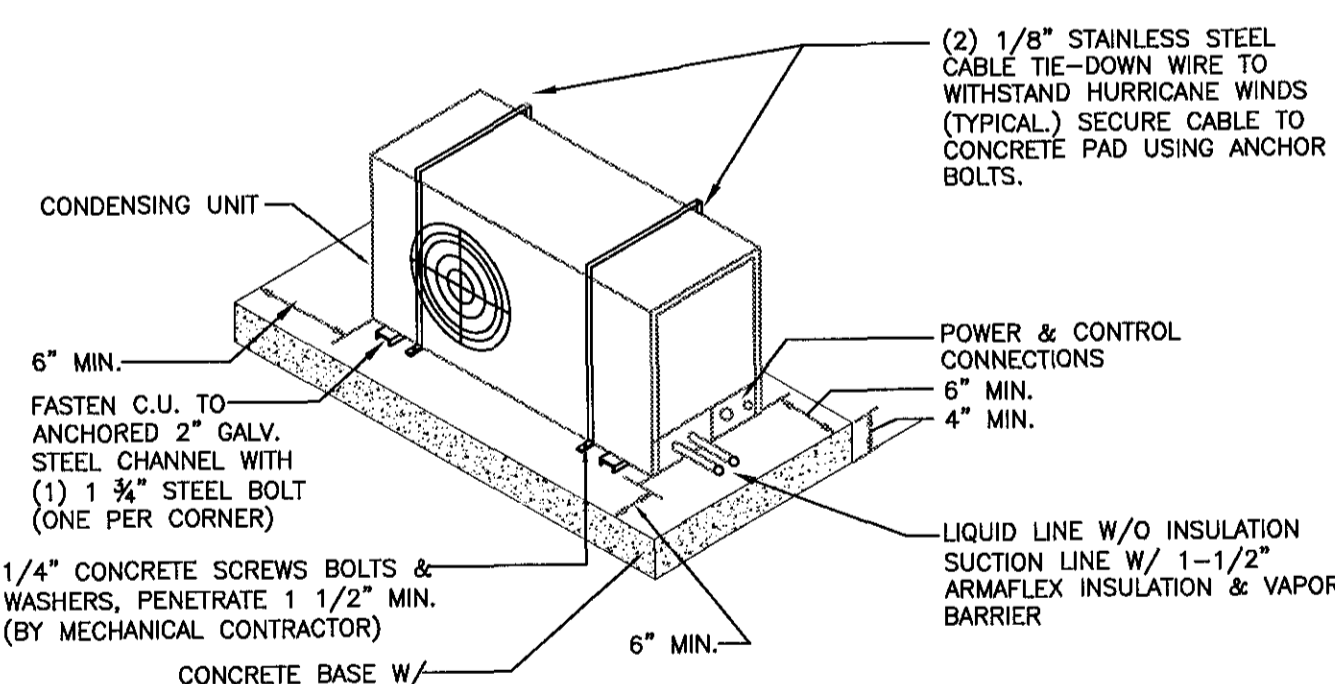
N.T.S.

- CONDENSATE DRAIN AND TRAP SHALL BE SCHEDULE 80 CPVC WITHOUT INSULATION OR SCHEDULE 40 CPVC WITH 1/2" ARMAFLEX IN ACCORDANCE WITH LOCAL BUILDING CODE. MECHANICAL CONTRACTOR SHALL INSTALL TRAP AND HORIZONTAL CONNECTION TO VERTICAL RISER. FOR SIZE AND TERMINATION SEE MECHANICAL DRAWING
- PROVIDE 4" CLEARANCE AROUND UNIT AS PER FBC-MECH-603.1.3
- PROVIDE FACTORY INSTALLED CONDENSATE OVERFLOW SWITCH FOR AHU, WIRED TO STOP THE AHU FAN IN CASE OF OVERFLOW.
- LONG-LINE ACCESSORIES REQUIRES FOR TUBING SETS BETWEEN 50 AND 175 FT.
- PROVIDE 3/4" ARMAFLEX INSULATION THICKNESS FOR THE SUCTION LINES
- PROVIDE WITH FACTORY INSTALLED HEATER

CONDENSATE DRAIN TRAP DETAIL

N.T.S.

NOTE: MECH CONTR. WILL COORDINATE WITH PLMG. CONTR. CONDENSATE SYSTEM INSTALLATION (TO BE PROVIDED & INSTALLED BY PLMG. CONTR.)

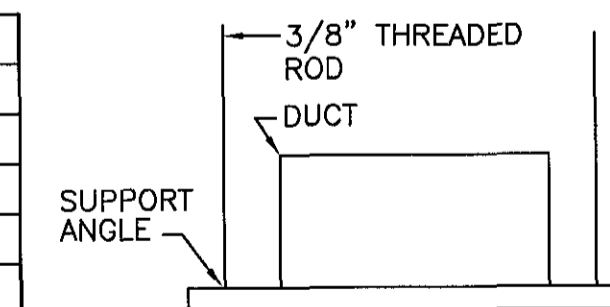


CONDENSING UNIT DETAIL

N.T.S.

CONDENSING UNIT INSTALLATION SHALL COMPLY WITH FLORIDA MECHANICAL CODE 2010, SECTION 301.12 WIND RESISTANCE AND 307.2.1 FLORIDA RESIDENTIAL BUILDING 2010

DUCT WIDTH	SUPPORTS
TO 23"	10' CENTERS (1X1X1/8L)
23 1/2" TO 26 1/2"	10' CENTERS (1X1X1/8L)
27" TO 34 1/2"	10' CENTERS (1X1X1/8L)
35" TO 40"	6" CENTERS (1X1X1/8L)
40 1/2" TO 45"	5" CENTERS (11/4X11/4X1/8L)
45 1/2" TO 52"	4 1/2" CENTERS (11/2X11/2X1/8L)
52 1/2" TO 60"	4" CENTERS (11/2X11/2X1/8L)
61" TO UP	42" CENTERS (2X2X1/8L)



HANGERS FOR RECTANGULAR DUCTS

N.T.S.

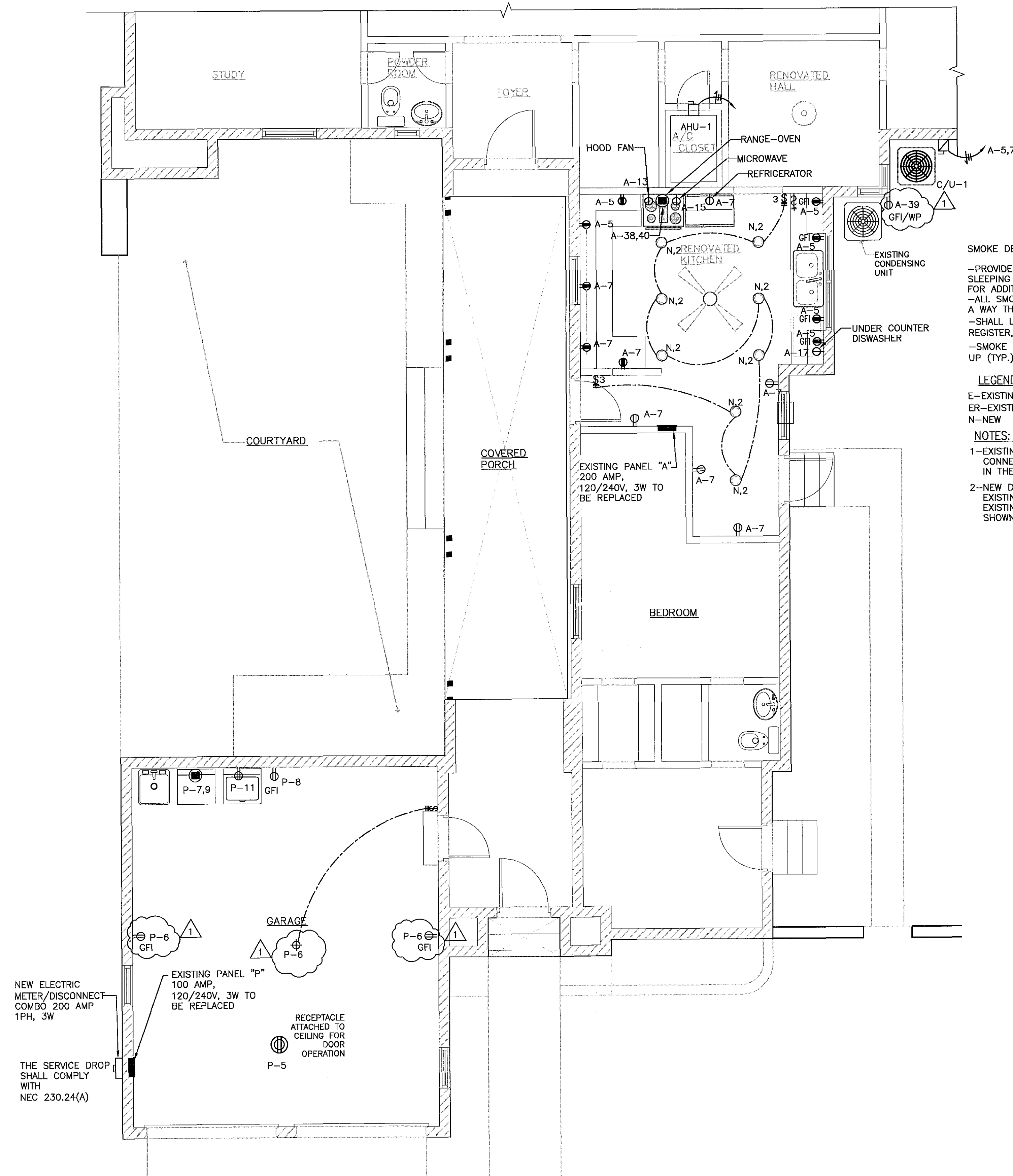
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Sheet:
 NO. REVISIONS DATE
 1233
 CADD FILE NAME:
 1233-A2
 ISSUED DATE:
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 SCALE:
 AS SHOWN
 DRAWN BY:
 CS
 DRAWING TITLE:
 MECHANICAL PLAN
 SHEET NO.
 M-2
 OF M-X
 SHEET 2 OF 2



SMOKE DETECTOR NOTES:

- PROVIDE SMOKE DETECTOR INSIDE AND OUTSIDE OF SLEEPING AREAS AS PER 313.1 FOR NEW AND 313.1.1 FOR ADDITION, FBC.
- ALL SMOKE DETECTORS TO BE INTERCONNECTED IN SUCH A WAY THAT ALL OPERATE SIMULTANEOUSLY.
- SHALL LOCATE SMOKE DETECTOR MIN. 3' FROM REGISTER, BATH OR KITCHEN DOOR (TYP.)
- SMOKE DETECTOR WILL BE 110V SOURCE BATTERY BACK UP (TYP.)

LEGEND

E-EXISTING TO REMAIN
 ER-EXISTING RELOCATED
 N-NEW

NOTES:

- 1-EXISTING DEVICES RELOCATED TO BE CONNECTED TO EXISTING CIRCUITS IN THE AREA
- 2-NEW DEVICES TO BE CONNECTED TO EXISTING CIRCUITS IN THE AREA FOR EXISTING DEVICES UNLESS CIRCUITS SHOWN

NEW ELECTRIC METER/DISCONNECT COMBO 200 AMP 1PH, 3W

THE SERVICE DROP SHALL COMPLY WITH NEC 230.24(A)

EXISTING PANEL "P" 100 AMP, 120/240V, 3W TO BE REPLACED

RECEPTACLE ATTACHED TO CEILING FOR DOOR OPERATION P-5

2
E-1 PROPOSED ELECTRICAL PLAN
 GROUND FLOOR SCALE 1/4" = 1'-0"

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Seal:

NO.	REVISIONS	DATE
1	B.D.C.	8/23/12

COMMISSION NO.: 1233
 CADD FILE NAME: 1233-A2
 ISSUED DATE: 07/31/12
 SCALE: AS SHOWN
 DRAWN BY: OS
 DRAWING TITLE: FLOOR PLANS
 SHEET NO. E-1
 OF E-2
 SHEET 1 OF 2

NEW ELECTRICAL PANEL SCHEDULE "A"											
TYPE : PANEL BOARD MOUNTING : SURFACE LOCATION : REFER TO FLOOR PLAN			22,000 A.I.C.			MAINS : MLO BUS RATING : 200 AMP VOLTAGE : 240/120V-1PHASE-3WIRE-S/N					
DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE TRIP	CKT. No.	A	B	CKT. No.	POLE TRIP	LOAD (V.A.)	WIRE & COND. SIZE	DESCRIPTION
AHU-1	#10-1/2"	SEE CALC.	2 30	1			2	1 20	1,500	#12-1/2"	EXISTING
SMALL APPLIANCES	#12-1/2"		1 20	5			4	1 20	1,500	#12-1/2"	EXISTING
SMALL APPLIANCES	#12-1/2"		1 20	7			6	1 20	1,200	#12-1/2"	EXISTING
REFRIGERATOR	#12-1/2"		1 20	9			8	1 20	1,200	#12-1/2"	EXISTING
SPACE				11			10	2 30		#10-1/2"	EXISTING AHU-12
MICROWAVE	#12-1/2"		1 20	13			12	2 30		#10-1/2"	EXISTING C/U-2
HOOD FAN	#12-1/2"		1 20	15			14	2 30		#10-1/2"	EXISTING C/U-2
DISHWASHER	#12-1/2"		1 20	17			16	2 30		#10-1/2"	EXISTING C/U-2
EXISTING	#12-1/2"		1 20	19			18	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	21			20	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	23			22	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	25			24	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	27			26	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	29			28	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	31			30	1 20		#12-1/2"	EXISTING
EXISTING	#12-1/2"		1 20	33			32	1 20		#12-1/2"	EXISTING
C/U-1 (NON COINCIDENT)	#8-3/4"		2 40	37			34	1 20		#12-1/2"	EXISTING
EXTERIOR GFI	#12-1/2"		1 20	39			36	1 20		#12-1/2"	EXISTING
				41			38	2 60		#6-1"	RANGE OVEN
				42			40	2 60		#6-1"	RANGE OVEN

NOTE: PROVIDE ARC FAULT INTERRUPTION TYPE CIRCUIT BREAKER FOR ALL NEW RECEPTACLES EXCEPT KITCHEN, GARAGE, GFI & EXTERIOR, ACCORDING NEC 210.

SECTION 406.11.- NEW 15 AND 20A RECEPTACLES TO BE LISTED TAMPER RESISTANT RECEPTACLES.

LOAD CALCULATION PANEL "A"
 AREA S.F. = 3,000 S.F. AT 3 VA/S.F. = 9,000 VA
 SMALL APPLIANCES = 2x1,500 = 3,000
 MICROWAVE = 1,000 VA
 RANGE OVEN = 12,000 VA
 REFRIGERATOR = 1,000 VA
 FAN HOOD = 1,200 VA
 DISHWASHER = 1,200 VA
 WATER HEATER = 4,500 VA
 TOTAL A/C = 12,192 VA
 EXTERIOR GFI = 400 VA
 TOTAL CONNECTED LOAD = 46,492 VA
 TOTAL CONNECTED AMPS = 194 AMP

NEW ELECTRICAL PANEL SCHEDULE "P" (FUTURE POOL)											
TYPE : PANEL BOARD NEMA 4 MOUNTING : SURFACE LOCATION : SEE FLOOR PLAN			10,000 A.I.C.			MAINS : MCB 100A BUS RATING : 100 AMP VOLTAGE : 240/120V-1PHASE-3WIRE-S/N					
DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE TRIP	CKT. No.	A	B	CKT. No.	POLE TRIP	LOAD (V.A.)	WIRE & COND. SIZE	DESCRIPTION
FILTER PUMP	#12-1/2"	3840	2 20	1			2	1 20	1,500	#12-1/2"	POOL LIGHTS ***
GARAGE DOOR	#12-1/2"	1000	1 20	3			4	1 20	1,500	#12-1/2"	POOL DECK LIGHTS ***
DRYER	#10-1/2"	5,000	2 30	7			6	1 20	1,200	#12-1/2"	GARAGE GFI & LIGHT
WASHER	#12-1/2"	1500	1 20	11			8	1 20	1,200	#12-1/2"	LAUNDRY RECEPTACLE

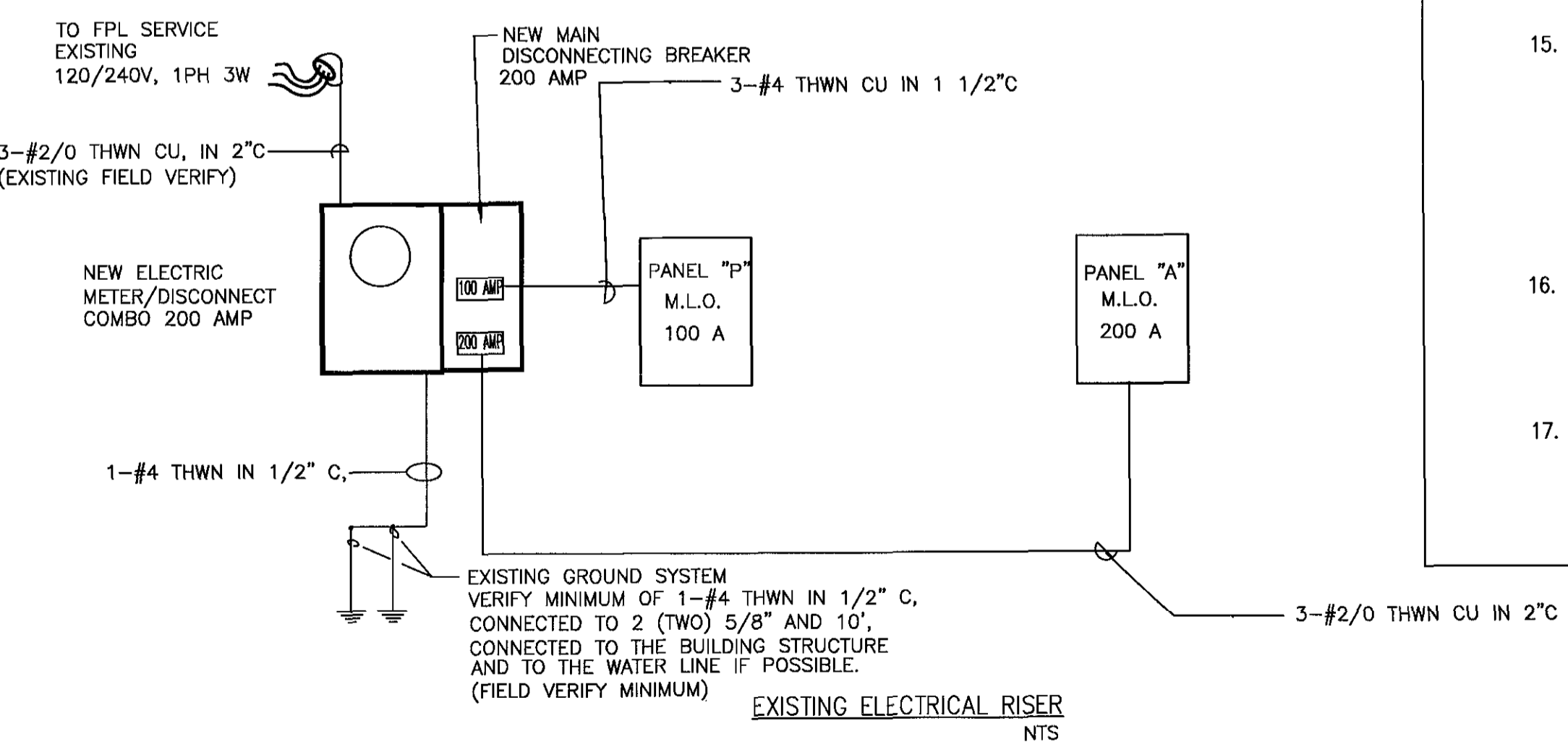
NOTE: PROVIDE #12 GROUND WIRE FOR ALL LANDSCAPING, EXTERIOR AND POOL LIGHTS. *** - PROVIDE TIMER CONTROL

LOAD CALCULATION PANEL "P"
 POOL & POOL DECK LIGHTS = 3,000 VA
 FILTER PUMP = 3,840 VA
 CLOTHES WASHER = 1,500 VA
 CLOTHES DRYER = 5,000 VA
 LAUNDRY RECEPTACLE = 1,500 VA
 GARAGE RECEPT. & LIGHTS = 1,200 VA
 GARAGE DOOR = 1,000 VA
 TOTAL CONNECTED LOAD = 17,040 VA
 TOTAL CONNECTED AMPS = 71 AMP

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊕	TOGGLE SWITCH, SINGLE POLE, 20 A	⊕	SMOKE DETECTOR-SINGLE STATION
⊕	TOGGLE SWITCH, THREE WAY, 20 A	⊕	ELECTRICAL JUNCTION BOX
⊕	TOGGLE SWITCH, FOUR WAY, 20 A	⊕	TELEVISION OUTLET
⊕	DIMMER SWITCH RATED FOR CKT LOAD	⊕	TELEPHONE OUTLET
⊕	SINGLE RECEPTACLE, 20A, 120V	⊕	DISC. SWITCH- POLE AMP FUSE
⊕	DUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 18" A.F.F.	⊕	DISC. SWITCH- NEMA 3R
⊕	QUADRUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 18" A.F.F.	⊕	ELECTRICAL PANEL FLUSH MOUNTED
⊕	DUPLEX RECEPTACLE, 20A, 120V W/ GROUND FAULT CIRCUIT INTERRUPT	⊕	POWER BRANCH CKT HOME RUN HATCH MARKS DENOTE # OF WIRE /- DENOTE GROUND WIRE
⊕	DUPLEX RECEPTACLE, 20A, 120V W/ WEATHERPROOF, 20 A	⊕	FAN MOTOR
⊕	FLOOR MTD DUPLEX RECEPT, 120V, 20A	⊕	A.F.F. ABOVE FINISHED FLOOR
⊕	SPECIAL PURPOSE RECEPTACLE	⊕	GFI GROUND FAULT INTERRUPTOR
⊕	WALL MTD LIGHT FIXTURE	⊕	WP WATER PROOF
⊕	SURFACE MOUNTED LIGHT FIXTURE	⊕	C CONDUIT
⊕	RECESSED MOUNTED LIGHT FIXTURE	⊕	E.C. EMPTY CONDUIT
⊕	VAPOR PROOF RECESSED LIGHT	⊕	DOOR BELL BUTTON
⊕	UNDER CABINET LIGHT/COVE LIGHT	⊕	DOOR BELL
⊕	RECESSED WALL WASHER LGT FIXT.	⊕	FLOOR MOUNTED RECEPTACLE
⊕	RECESSED LOW VOLTAGE LGT FIXT.	⊕	FLOOR MOUNTED TELEPHONE OUTLET
⊕	SURFACE MOUNTED FLUORESC. LGT.	⊕	RECESSED FLOOR MOUNTED LIGHT FIXTURE
⊕	POOL LIGHT	⊕	DATA/TELEPHONE OUTLET
⊕	DOUBLE FLOOD LIGHT FIXTURE	⊕	RECESSED FLUORESCENT LIGHT FIXTURE
⊕	SPEAKER	⊕	RECESSED FLUORESCENT LIGHT FIXTURE
⊕		⊕	STEP LIGHTING
⊕		⊕	UNDERWATER/WATER FOUNTAINING LIGHT

LOAD CALCULATION DEMAND

CONNECTED LOAD PANEL A = 46,492 VA
 CONNECTED LOAD PANEL P = 17,040 VA
 CONNECTED LOAD TOTAL = 63,532 VA
 FIRST 10,000 VA AT 100% = 10,000 VA
 REMAINDER AT 40% = 21,413 VA
 TOTAL A/C = 12,192 VA
 TOTAL DEMAND LOAD = 43,605 VA
 TOTAL DEMAND AMPS = 182 AMP
 SERVICE CAPACITY = 200 AMPS



ELECTRICAL NOTES AND LEGEND
 N.T.S.

ELECTRICAL NOTES

- ALL WORK SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE GOVERNING EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), LOCAL AND STATE CODES AND ANY OTHER APPLICABLE CODES AND STANDARDS.
- ALL WIRING SHALL BE COPPER (CU) THWN INSULATION. IF ALUMINUM WIRES ARE USED:
 - TO PREVENT OVERHEATING AT CONNECTION POINTS USE OXIDE INHIBITING COMPOUND FOR STRIPPED PORTION OF CONDUCTORS INSIDE CONNECTORS.
 - A PREVENTIVE MAINTENANCE PLAN IS NECESSARY TO ENSURE A RELIABLE SERVICE INCLUDING VISUAL INSPECTIONS AND TESTS FOR SPLICES AND CONNECTION POINTS (CORROSION AND TIGHTNESS PRINCIPALLY). INSPECTION INTERVALS OF 2 YEARS MAXIMUM ARE STRONGLY RECOMMENDED.
- ALL CIRCUIT BREAKERS SHALL BE RATED AT MINIMUM OF 10,000 AIC.
- PRIOR TO INSTALLATION OF ROUGH ELECTRICAL WIRING, CHECK NAMEPLATE DATA OF ALL EQUIPMENT FOR REQUIRED VOLTAGES, MINIMUM CIRCUIT AMPACITY, AND OVERCURRENT PROTECTION.
- ELECTRICAL CALCULATIONS WERE BASED ON INFORMATION PROVIDED BY ELECTRICAL CONTRACTOR AND OWNER AGENT. ELECTRICAL CONTRACTOR TO VERIFY LOAD FOR EACH CIRCUIT AND ADJUST ACCORDINGLY, CHANGES TO BE REFLECTED IN THE DRAWINGS.
- ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- ALL NEW CONDUCTORS SHALL BE RUN IN CONDUIT (METALLIC TYPE) UNLESS OTHER TYPES CAN BE USED AS PER NEC:
 - PVC SCH. 40 WHEN INSTALLED 12" UNDER SLABS ON GRADE OR WHEN EMBEDDED IN CONCRETE WALLS OR SLABS.
 - MC CABLE CAN BE INSTALLED ACCORDING TO NEC 330.10 AND 330.12.
 - IMC WHEN INSTALLED CONCEALED IN MASONRY WALLS, DRY WALLS OR SUSPENDED CEILINGS, ALSO WHEN INSTALLED IN INTERIORS EXPOSED UP TO 8' AFF.
 - EMT INTERIORS EXPOSED ABOVE 8' AFF AND AT ANY HEIGHT IN ELECTRICAL, MECHANICAL AND TELECOMMUNICATION ROOMS.
- CONDUCTORS IN VERTICAL RACEWAYS TO BE SUPPORTED IN EVERY ELECTRICAL ROOM OR AS REQUIRED TO FULFILL THE FOLLOWING REQUIREMENTS:

WIRE SIZE	NO FARTHER THAN
1/0 AWG AND SMALLER	100 FEET
FROM 2/0 TO 4/0	80 FEET
OVER 4/0 THRU 350KCMIL	60 FEET
OVER 350KCMIL THRU 500KCMIL	50 FEET
OVER 500KCMIL THRU 750KCMIL	40 FEET
- IF PVC CONDUITS ARE USED FOR UNDERGROUND FEEDERS, A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250 - 122 MUST BE INSTALLED AND CONDUIT SIZE INCREASED AS REQUIRED.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR INSTALLATION OF MECHANICAL EQUIPMENT.
- RISERS ARE DIAGRAMMATIC ONLY. THEY DO NOT SHOW EVERY BEND REQUIRED FOR THE INSTALLATION. ELECTRICAL CONTRACTOR TO FIND BEST POSSIBLE ROUTE FOR ALL CIRCUITS.
- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
- OUTLES IN OPPOSITE SIDES ON FIRE RATED WALLS TO BE 24" HORZ. APART (MIN). AND FIRE PROTECTED.
- ALL SMOKE DETECTORS TO BE LOCATED 3' APART MIN. FROM A/C OUTLETS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER FOR LIGHTING CONTROL SYSTEM IN COMMON AREAS OF THE BUILDING AND VERIFY INSTALLATION FOR OUTLETS, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.
- ALL PANELS SHALL BE CLEARLY LABELED ON THE OUTSIDE FOR QUICK AND EASY IDENTIFICATION. ALL CIRCUITS IN ALL PANELS SHALL BE CLEARLY IDENTIFIED AND SHALL APPEAR WITH COMPLETE INFORMATION (DESCRIPTION OF CIRCUIT, BREAKER SIZE, NUMBER OF POLES AND BREAKER POSITION NUMBERS) ON THE PANEL DIRECTORIES. IN ADDITION, THE VOLTAGE, PHASE AND AMP RATING OF THE PANEL SHALL CLEARLY BE IDENTIFIED ON THE INSIDE DOOR. THE ABOVE APPLIES FOR ANY AND ALL EXISTING TO REMAIN PANEL BOARDS AND CIRCUITS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT FIRE STOPPING MEASURES ARE PROVIDED PER LOCAL BUILDING DEPT. REQUIREMENTS. THE FIRE STOPPING MATERIAL AND ITS INSTALLATION SHALL BE UL APPROVED. ALL FIRE STOPPING MATERIAL SHALL BE NON WATER SOLUBLE.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THESE DRAWINGS AND SHALL VISIT AND BECOME FAMILIAR WITH THE JOB SITE AND ALL EXISTING CONDITIONS PRIOR TO BID. ANY QUESTIONS, COMMENTS, DISCREPANCIES OR PERCEIVED AMBIGUITIES SHALL BE DISCUSSED WITH THE ENGINEER PRIOR TO BID.

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Spec: [Blank]

NO.	REVISIONS	DATE
1	B.D.C.	8/23/12

COMMISSION NO.: 1233
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 AS SHOWN
 DRAWN BY:
 OS
 DRAWING TITLE: ELECTRICAL NOTES AND LEGEND
 SHEET NO. E-2
 OF E-2
 SHEET 2 OF 2

NEW ELECTRICAL PANEL SCHEDULE 'A'													
TYPE : PANEL BOARD			MOUNTING : SURFACE			22,000 A.I.C.			MAINS : MLO				
LOCATION : REFER TO FLOOR PLAN									BUS RATING : 200 AMP				
									VOLTAGE : 240/120V-1PHASE-3WIRE-S/N				
DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE	TRIP	CKT. No.	A	B	CKT. No.	POLE	TRIP	LOAD (V.A.)	WIRE & COND. SIZE	DESCRIPTION
AHU-1	#10-1 1/2"	SEE CALC.	2	30	1			2	1	20	SEE CALC.	**#12-1/2"	EXISTING
SMALL APPLIANCES	#12-1/2"		1	20	5			4	1	20		**#12-1/2"	EXISTING
SMALL APPLIANCES	#12-1/2"		1	20	7			6	2	30		**#10-1/2"	WATER HEATER
REFRIGERATOR	#12-1/2"		1	20	9			10	2	30		**#10-1/2"	EXISTING AHU-12
SPACE					11			12					
MICROWAVE	#12-1/2"		1	20	13			14	2	30		**#10-1/2"	EXISTING C/U-2
HOOD FAN	#12-1/2"		1	20	15			16	30				
DISHWASHER	#12-1/2"		1	20	17			18	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	19			20	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	21			22	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	23			24	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	25			26	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	27			28	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	29			30	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	31			32	1	20		**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20	33			34	1	20		**#12-1/2"	EXISTING
C/U-1 (NON COINCIDENT)	#8-3/4"	SEE CALC.	2	40	35			36	2	40		#6-1"	RANGE OVEN
			1	20	39			40		60			
					41			42					

NOTE: PROVIDE ARC FAULT INTERRUPTION TYPE CIRCUIT BREAKER FOR ALL NEW RECEPTACLES EXCEPT KITCHEN, GARAGE, GFI & EXTERIOR, ACORDING NEC 210. ** - EXISTING WIRE, FIELD VERIFY MINIMUM

SECTION 406.11.- NEW 15 AND 20A RECEPTACLES TO BE LISTED TAMPER RESISTANT RECEPTACLES.

LOAD CALCULATION PANEL "A"
 AREA S.F. = 3,000 S.F. AT 3 VA/S.F. = 9,000 VA
 SMALL APPLIANCES = 2x1,500 = 3,000
 MICROWAVE = 1,000 VA
 RANGE OVEN = 12,000 VA
 REFRIGERATOR = 1,000 VA
 FAN HOOD = 1,200 VA
 DISHWASHER = 1,200 VA
 WATER HEATER = 4,500 VA
 TOTAL A/C = 12,192 VA
 46,092 VA
 TOTAL CONNECTED LOAD = 46,092 VA
 TOTAL CONNECTED AMPS = 192 AMP

NEW ELECTRICAL PANEL SCHEDULE 'P' (FUTURE POOL)													
TYPE : PANEL BOARD NEMA 4			MOUNTING : SURFACE			10,000 A.I.C.			MAINS : MCB 100A				
LOCATION : SEE FLOOR PLAN									BUS RATING : 100 AMP				
									VOLTAGE : 240/120V-1PHASE-3WIRE-S/N				
DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE	TRIP	CKT. No.	A	B	CKT. No.	POLE	TRIP	LOAD (V.A.)	WIRE & COND. SIZE	DESCRIPTION
FILTER PUMP	#12-1/2"	3840	2	30	1			2	1	20	1,500	#12-1/2"	POOL LIGHTS ***
GARAGE DOOR	#12-1/2"	1000	1	20	3			4	1	20	1,500	#12-1/2"	POOL DECK LIGHTS ***
DRYER	#10-1/2"	5,000	2	30	7			6	1	20	1,200	#12-1/2"	GARAGE GFI & LIGHT
WASHER	#12-1/2"	1500	1	20	9			8	1	20	1,200	#12-1/2"	LAUNDRY RECEPTACLE
					11			10					
					12			12					
					13			14					
					15			16					
					17			18					
					19			20					
					21			22					
					23			24					

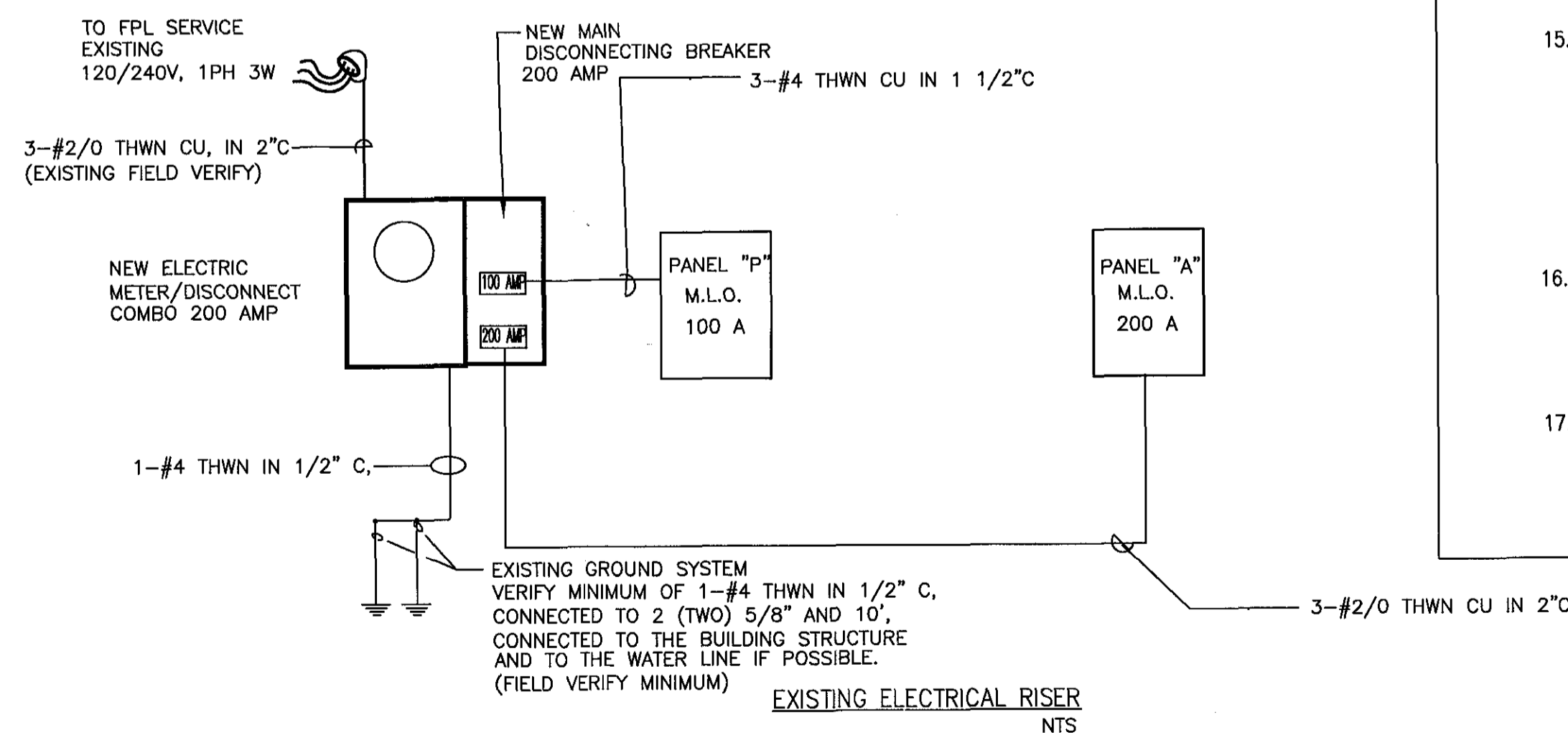
NOTE: PROVIDE #12 GROUND WIRE FOR ALL LANDSCAPING, EXTERIOR AND POOL LIGHTS. *** - PROVIDE TIMER CONTROL

LOAD CALCULATION PANEL "P"
 POOL & POOL DECK LIGHTS = 3,000 VA
 FILTER PUMP = 3,840 VA
 CLOTHES WASHER = 1,500 VA
 CLOTHES DRYER = 5,000 VA
 LAUNDRY RECEPTACLE = 1,500 VA
 GARAGE RECEPT. & LIGHTS = 1,200 VA
 GARAGE DOOR = 1,000 VA
 TOTAL CONNECTED LOAD = 17,040 VA
 TOTAL CONNECTED AMPS = 71 AMP

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊞	TOGGLE SWITCH, SINGLE POLE, 20 A	⊞	SMOKE DETECTOR-SINGLE STATION
⊞3	TOGGLE SWITCH, THREE WAY, 20 A	⊞	ELECTRICAL JUNCTION BOX
⊞4	TOGGLE SWITCH, FOUR WAY, 20 A	TV	TELEVISION OUTLET
⊞D	DIMMER SWITCH RATED FOR C&T LOAD	☐	TELEPHONE OUTLET
⊞	SINGLE RECEPTACLE, 20A, 120V	☐ 2 30 20	DISC. SWITCH- POLE AMP FUSE
⊞	DUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 18" A.F.F.	☐	DISC. SWITCH- NEMA 3R
⊞	DUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 48" A.F.F.	☐	ELECTRICAL PANEL FLUSH MOUNTED
⊞	QUADRAPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 18" A.F.F.	☐	POWER BRANCH CKT HOWE RUN HATCH MARKS DENOTE # OF WIRE /- DENOTE GROUND WIRE
⊞GFI	DUPLEX RECEPTACLE, 20A, 120V W/ GROUND FAULT CIRCUIT INTERRUPT	☐	FAN MOTOR
⊞WP	DUPLEX RECEPTACLE, 20A, 120V W/ WEATHERPROOF, 20 A	☐	A.F.F. ABOVE FINISHED FLOOR
⊞	FLOOR MTD DUPLEX RECEPT, 120V, 20A	☐	GFI GROUND FAULT INTERRUPTOR
⊞	SPECIAL PURPOSE RECEPTACLE	☐	WP WATER PROOF
☐	WALL MTD LIGHT FIXTURE	☐	C CONDUIT
☐	SURFACE MOUNTED LIGHT FIXTURE	☐	E.C. EMPTY CONDUIT
☐	RECESSED MOUNTED LIGHT FIXTURE	☐	☐ DOOR BELL BUTTON
☐	VAPOR PROOF RECESSED LIGHT	☐	☐ DOOR BELL
☐	UNDER CABINET LIGHT/COVE LIGHT	☐	☐ FLOOR MOUNTED RECEPTACLE
☐	RECESSED WALL WASHER LGT FIXT.	☐	☐ FLOOR MOUNTED TELEPHONE OUTLET
☐	RECESSED LOW VOLTAGE LGT FIXT.	☐	☐ RECESSED FLOOR MOUNTED LIGHT FIXTURE
☐	SURFACE MOUNTED FLUORESC. LGT.	☐	☐ POOL LIGHT
☐	POOL LIGHT	☐	☐ DATA/TELEPHONE OUTLET
☐	DOUBLE FLOOD LIGHT FIXTURE	☐	☐ RECESSED FLUORESCENT LIGHT FIXTURE
☐	SPEAKER	☐	☐ RECESSED FLUORESCENT LIGHT FIXTURE
		☐	☐ STEP LIGHTING
		☐	☐ UNDERWATER/WATER FOUNTAINS LIGHT

LOAD CALCULATION DEMAND

CONNECTED LOAD PANEL A	=	46,092 VA
CONNECTED LOAD PANEL P	=	17,040 VA
CONNECTED LOAD TOTAL	=	63,132 VA
FIRST 10,000 VA AT 100%	=	10,000 VA
REMAINDER AT 40%	=	21,253 VA
TOTAL A/C	=	12,192 VA
TOTAL DEMAND LOAD	=	43,445 VA
TOTAL DEMAND AMPS	=	181 AMP.
SERVICE CAPACITY	=	200 AMPS



ELECTRICAL NOTES AND LEGEND

N.T.S.

ELECTRICAL NOTES

- ALL WORK SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE GOVERNING EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), LOCAL AND STATE CODES AND ANY OTHER APPLICABLE CODES AND STANDARDS.
- ALL WIRING SHALL BE COPPER (CU) THWN INSULATION. IF ALUMINUM WIRES ARE USED:
 - TO PREVENT OVERHEATING AT CONNECTION POINTS USE OXIDE INHIBITING COMPOUND FOR STRIPPED PORTION OF CONDUCTORS INSIDE CONNECTORS.
 - A PREVENTIVE MAINTENANCE PLAN IS NECESSARY TO ENSURE A RELIABLE SERVICE INCLUDING VISUAL INSPECTIONS AND TESTS FOR SPLICES AND CONNECTION POINTS (CORROSION AND TIGHTNESS PRINCIPALLY). INSPECTION INTERVALS OF 2 YEARS MAXIMUM ARE STRONGLY RECOMMENDED.
- ALL CIRCUIT BREAKERS SHALL BE RATED AT MINIMUM OF 10,000 AIC.
- PRIOR TO INSTALLATION OF ROUGH ELECTRICAL WIRING, CHECK NAMEPLATE DATA OF ALL EQUIPMENT FOR REQUIRED VOLTAGES, MINIMUM CIRCUIT AMPACITY, AND OVERCURRENT PROTECTION.
- ELECTRICAL CALCULATIONS WERE BASED ON INFORMATION PROVIDED BY ELECTRICAL CONTRACTOR AND OWNER AGENT. ELECTRICAL CONTRACTOR TO VERIFY LOAD FOR EACH CIRCUIT AND ADJUST ACCORDINGLY, CHANGES TO BE REFLECTED IN THE DRAWINGS.
- ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- ALL NEW CONDUCTORS SHALL BE RUN IN CONDUIT (METALLIC TYPE) UNLESS OTHER TYPES CAN BE USED AS PER NEC:

WIRE SIZE	NO FARTHER THAN
1/0 AWG AND SMALLER	100 FEET
FROM 2/0 TO 4/0	80 FEET
OVER 4/0 THRU 350KCMIL	60 FEET
OVER 350KCMIL THRU 500KCMIL	50 FEET
OVER 500KCMIL THRU 750KCMIL	40 FEET
- IF PVC CONDUITS ARE USED FOR UNDERGROUND FEEDERS, A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250 - 122 MUST BE INSTALLED AND CONDUIT SIZE INCREASED AS REQUIRED.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR INSTALLATION OF MECHANICAL EQUIPMENT.
- RISERS ARE DIAGRAMMATIC ONLY. THEY DO NOT SHOW EVERY BEND REQUIRED FOR THE INSTALLATION. ELECTRICAL CONTRACTOR TO FIND BEST POSSIBLE ROUTE FOR ALL CIRCUITS.
- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
- OUTLES IN OPPOSITE SIDES ON FIRE RATED WALLS TO BE 24" HORZ. APART (MIN). AND FIRE PROTECTED.
- ALL SMOKE DETECTORS TO BE LOCATED 3' APART MIN. FROM A/C OUTLETS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER FOR LIGHTING CONTROL SYSTEM IN COMMON AREAS OF THE BUILDING AND VERIFY INSTALLATION FOR OUTLETS, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.
- ALL PANELS SHALL BE CLEARLY LABELED ON THE OUTSIDE FOR QUICK AND EASY IDENTIFICATION. ALL CIRCUITS IN ALL PANELS SHALL BE CLEARLY IDENTIFIED AND SHALL APPEAR WITH COMPLETE INFORMATION (DESCRIPTION OF CIRCUIT, BREAKER SIZE, NUMBER OF POLES AND BREAKER POSITION NUMBERS) ON THE PANEL DIRECTORIES. IN ADDITION, THE VOLTAGE, PHASE AND AMP RATING OF THE PANEL SHALL CLEARLY BE IDENTIFIED ON THE INSIDE DOOR. THE ABOVE APPLIES FOR ANY AND ALL EXISTING TO REMAIN PANEL BOARDS AND CIRCUITS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT FIRE STOPPING MEASURES ARE PROVIDED PER LOCAL BUILDING DEPT. REQUIREMENTS. THE FIRE STOPPING MATERIAL AND ITS INSTALLATION SHALL BE UL APPROVED. ALL FIRE STOPPING MATERIAL SHALL BE NON WATER SOLUBLE.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THESE DRAWINGS AND SHALL VISIT AND BECOME FAMILIAR WITH THE JOB SITE AND ALL EXISTING CONDITIONS PRIOR TO BID. ANY QUESTIONS, COMMENTS, DISCREPANCIES OR PERCEIVED AMBIGUITIES SHALL BE DISCUSSED WITH THE ENGINEER PRIOR TO BID.

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

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 ARCHITECTURE PLUMBING
 State Certified Architect Corporation
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 Dr. Willard Martz
 790 Lakeview Drive
 Miami Beach, FL 33140
 Owner:
 Dr. Willard Martz

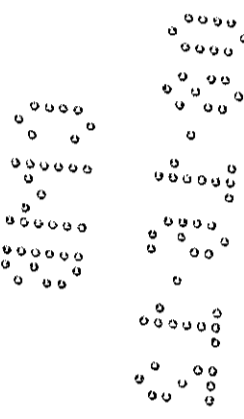
NO.	REVISIONS	DATE

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 ISSUED DATE: 07/31/12
 SCALE:
 AS SHOWN
 DRAWN BY:
 OS
 DRAWING TITLE: ELECTRICAL NOTES AND LEGEND
 SHEET NO. BACK

OF E-2
 SHEET 2 OF 2

B1205223

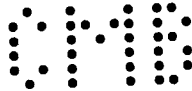
790 Lakeview Dr



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 CITY OF MIAMI BEACH
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 DRB/HPE: [Signature]
 CONCURRENCY: [Signature]
 PLUMBING: [Signature]
 ELECTRICAL: [Signature]
 MECHANICAL: [Signature]
 FIRE PREVENTION: [Signature]
 ENGINEERING: [Signature]
 PLUMBING WORKS: [Signature]
 STRUCTURAL: [Signature]
 ELEVATOR: [Signature]



DEPARTMENT OF PERMITTING, ENVIRONMENT AND REGULATORY AFFAIRS (PERA)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidadecounty.gov/development/

PGT Industries
 1070 Technology Drive
 North Venice, FL 34275

B1300223

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "FD-101" Outswing Aluminum French Door w/wo Sidelites - L.M.I.

APPROVAL DOCUMENT: Drawing No. **110058-1**, titled Series "Alum. French Door & Sidelites, Impact", sheets 1 through 10 of 10, dated 02/22/07 with revision "D" dated 08/14/12, prepared by manufacture, signed and sealed by Lynn Miller, 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

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.

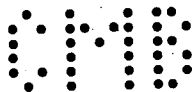
This NOA revises and renews NOA No. 11-1013.22 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



J. Gascon
8/21/12

NOA No. 12-0516.02
 Expiration Date: **October 18, 2017**
 Approval Date: **August 30, 2012**
 Page 1



PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 110058-1, titled Series "Alum. French Door & Sidelites, Impact", sheets 1 through 10 of 10, dated 02/22/07 with revision "D" dated 08/14/12, prepared by manufacture, signed and sealed by Lynn Miller, P. E.

B. TESTS

1. Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of an Aluminum outswing French Door with Sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-6864, dated 04/02/12, signed and sealed by Marlin D. Brinson, P. E.
2. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) 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, and TAS 202-94along with marked-up drawings and installation diagram of an Aluminum outswing French Door with Sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5212, dated 05/05/07, signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No. 07-0629.10)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by manufacture, dated 10/11/11, signed and sealed by Lynn Miller, P. E.
(Submitted under previous NOA No. 07-0629.10)
2. Glazing complies with ASTM E1300-02/04

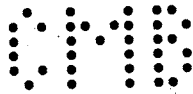
D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.01 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. 11-0325.05 issued to Solutia, Inc. for their "Saflex and Vanceva clear and color interlayers" dated 05/05/11, expiring on 05/21/16.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0516.02
Expiration Date: October 18, 2017
Approval Date: August 30, 2012



PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance and complying with **FBC-2010**, issued by manufacture, dated 05/14/12, signed and sealed by Lynn Miller, P. E.
2. Statement letter of no financial interest, issued by manufacture, dated 05/14/12, signed and sealed by Lynn Miller, P. E.
3. Laboratory compliance letter for Test Report No. **FTL-6864**, issued by Fenestration Testing Laboratory, Inc. dated 04/02/12, signed and sealed by Marlin D. Brinson, P. E.
4. Proposal issued by Product Control, dated 02/15/12, signed by Jaime D. Gascon, P. E.
5. Laboratory compliance letter for Test Report No. **FTL-5212**, issued by Fenestration Testing Laboratory, Inc. dated 05/05/07, signed and sealed by Carlos S. Rionda, P. E. *(Submitted under previous NOA No. 07-0629.10)*

G. OTHERS

1. Notice of Acceptance No. **11-1013.22**, issued to PGT Industries, for their Series **"FD-101 Outswing Aluminum French Door w/ wo Sidelites - L.M.I."**, approved on 11/23/11 and expiring on 10/18/12.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0516.02
Expiration Date: October 18, 2017
Approval Date: August 30, 2012

NOTES: OUTSWING IMPACT FRENCH DOOR(S) AND SIDE LITE(S)

1. GLAZING OPTIONS:

- A. 3/8" LAMI NOM. (.402") CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS PLUS AN .080 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- B. 3/8" LAMI NOM. (.402") CONSISTING OF (1) LITE OF 1/8" HEAT STRENGTHENED GLASS PLUS AN .080 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- C. 7/16" LAMI NOM. (.465") CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS PLUS AN .080 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- D. 7/16" LAMI NOM. (.465") CONSISTING OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS PLUS AN .080 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- E. 13/16" LAMI IG NOM. (.840") CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS, 1/4" AIRSPACE, (1) LITE OF 1/8" HEAT STRENGTHENED GLASS PLUS AN .080 PVB INTERLAYER OF DUPONT BUTACITE PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.

2. DESIGN PRESSURES: SEE TABLES 1 AND 2 ON SHEET 2.

A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-04.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-04.

3. CONFIGURATIONS: X, O, XX, XO, OX, OXX, OXO, AND OXXX.

4. ANCHORAGE: THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS, SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 8 THROUGH 10.

5. SHUTTERS ARE NOT REQUIRED.

6. SEALANT: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT.

7. REFERENCES:

A. TEST REPORTS FTL-4684, 6212 & 6864; ELCO ULTRACON NOA: 11.0408.01, 12-0126.08; ANS/AF&PA NDS-2006 FOR WOOD CONSTRUCTION AND ADM-2006 ALUMINUM DESIGN MANUAL.

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

9. CONFIGURATIONS WHICH CONTAIN A SIDE LITE TO DOOR CONNECTION:

A. THE LOWER DESIGN PRESSURE FROM TABLE 1, OR 2, PREVAILS.

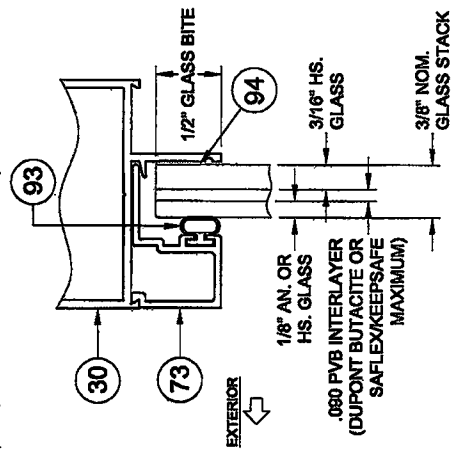
B. FULL LENGTH REINFORCEMENT (ITEM 22 SHOWN IN SECTION E-E, SHEET 6), IS REQUIRED ONLY AT ALL DOOR TO SIDE LITE CONNECTIONS FROM

TABLE 1, SHT. 2. REFER TO TABLE 2, SHT. 2 FOR DOOR TO SIDE LITE CONNECTIONS WHICH DO NOT REQUIRE ITEM 22 REINFORCEMENT.

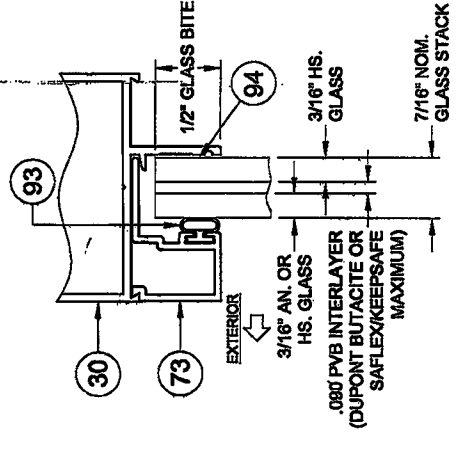
TOPIC	SHEET
GENERAL NOTES.....	1
CONFIGURATIONS.....	1
GLAZING DETAILS.....	1
DESIGN PRESSURES.....	2
ELEVATIONS.....	3
VERT. SECTIONS.....	4
HORIZ. SECTIONS.....	5
PARTS LIST.....	6
EXTRUSIONS.....	6, 7
ANCHORAGE.....	8-10

NOA DRAWING MAP

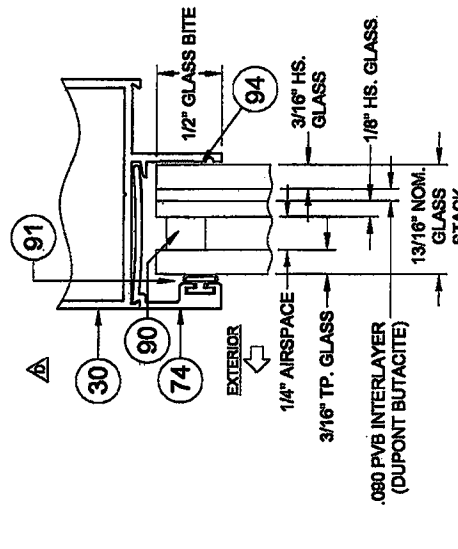
GLASS ABBREVIATIONS
AN. = ANNEALED
HS. = HEAT-STRENGTHENED
TP. = TEMPERED



3/8" LAMI NOM. GLAZING OPTION A OR B, NOTE 1



7/16" LAMI NOM. GLAZING OPTION C OR D, NOTE 1

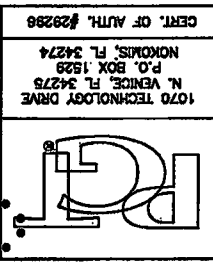


13/16" LAMI IG NOM. GLAZING OPTION E, NOTE 1

PRODUCT RENEWED
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 By Miami Photo Products Control

12-0516-02
 10/18/2017

Rev. No.	D
Sheet	1 OF 10
Scale	N.T.S.
Section/Notes	FD-101
Title	ALUM. FRENCH DOOR & SIDE LITES, IMPACT
Designer	NOTES AND GLAZING DETAILS
Drawn By	J ROSOWSKI
Drawn Date	04/04/12
Revised By	
Revised Date	
Revised Description	NEW TEST REPORT
Revised Date	APR 2012



CERT. OF AUTH. #29298
 NOKOMIS, FL 34274
 1070 TECHNOLOGY DRIVE
 P.O. BOX 1528
 N. VERICE, FL 34278

ANTHONY LYNN MILLER
 LICENSE NO. 68705
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A LYNN MILLER, P.E.
 P.E.#88705

TABLE 1. DESIGN PRESSURES FOR ALL CONFIGURATIONS
 APPROVED CONFIGURATIONS: X, XX, O, OX, XO, OXX, OXX & OXXO
 (FOR DOORS W/ SIDE LITES THE LOWER DP FOR THE DOOR OR SIDE LITE PREVAILS)
 REINFORCEMENT IS REQUIRED AT DOOR & SIDE LITE CONNECTIONS

X WIDTH	XX WIDTH	HEIGHT				
		6" - 79 3/4"	7" - 83 3/4"	87 3/4"	91 3/4"	8" - 95 3/4"
3 ⁰ 37 1/2"	6 ⁰ 71 3/4"	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0
DOORS WITH GLASS TYPES A, B, C, D OR E						
SINGLE SIDE LITES WITH GLASS TYPE A						
27 3/4"	36 1/8"	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0
36 3/4"	36 3/4"	+75.0 -75.0	+74.9 -74.9	+70.4 -70.4	+68.6 -66.6	+63.1 -63.1
SINGLE SIDE LITES WITH GLASS TYPES B, C, D OR E						
36 3/4"	36 3/4"	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0

TABLE 2. DESIGN PRESSURES FOR COMBINED DOOR / SIDE LITES ONLY
 APPROVED CONFIGURATIONS: OX, XO, OXX, OXX & OXXO
 (THE LOWER DP FOR THE DOOR OR SIDE LITE PREVAILS)
 REINFORCEMENT IS NOT REQUIRED AT DOOR & SIDE LITE CONNECTION

X WIDTH	XX WIDTH	HEIGHT				
		6" - 79 3/4"	7" - 83 3/4"	87 3/4"	91 3/4"	8" - 95 3/4"
2 ⁰ 25 1/2"	4 ⁰ 47 3/4"	+58.6 -58.6	+55.4 -55.4	+52.4 -52.4	+49.8 -49.8	+47.4 -47.4
27 1/2"	51 3/4"	+54.9 -54.9	+51.8 -51.8	+49.0 -49.0	+46.5 -46.5	+44.3 -44.3
29 1/2"	55 3/4"	+51.7 -51.7	+48.8 -48.8	+46.1 -46.1	+43.8 -43.8	+41.6 -41.6
2 ⁶ 31 1/2"	5 ⁰ 59 3/4"	+49.0 -49.0	+46.2 -46.2	+43.6 -43.6	+41.4 -41.4	+39.3 -39.3
2 ⁶ 33 1/2"	5 ⁴ 63 3/4"	+43.1 -43.1	+43.1 -43.1	+41.5 -41.5	+39.3 -39.3	+37.3 -37.3
35 1/2"	67 3/4"	+38.1 -38.1	+38.1 -38.1	+38.1 -38.1	+37.5 -37.5	+35.6 -35.6
3 ⁰ 37 1/2"	6 ⁰ 71 3/4"	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0
GLASS TYPES A, B, C, D OR E						
SINGLE LITE						
10 3/4"	12 3/4"	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0	+75.0 -75.0
19"	21 3/4"	+72.4 -72.4	+68.5 -68.5	+65.0 -65.0	+61.9 -61.9	+59.0 -59.0
27 3/4"	36 1/8"	+64.5 -64.5	+61.0 -61.0	+57.8 -57.8	+55.0 -55.0	+52.4 -52.4
36 3/4"	36 3/4"	+52.9 -52.9	+49.9 -49.9	+47.2 -47.2	+44.7 -44.7	+42.6 -42.6
36 3/4"	36 3/4"	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0

NOTES:

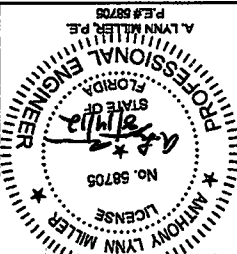
- GLASS TYPES:
 A. 3/8" LAMI (1/8" A, .080 PVB, 3/16" HS)
 B. 3/8" LAMI (1/8" HS, .080 PVB, 3/16" HS)
 C. 7/16" LAMI (3/16" A, .080 PVB, 3/16" HS)
 D. 7/16" LAMI (3/16" HS, .080 PVB, 3/16" HS)
 E. 13/16" LAMI IG (3/16" TP, 1/4" AIRSPACE, 1/8" HS, .080 PVB, 3/16" HS)
- COMBINED DOOR & SIDE LITE WIDTHS FOR TABLE 1 OR 2.
 MAX. OXOX WIDTH = 73 1/2"
 MAX. OXOX WIDTH = 109 1/2"
 MAX. OXOX WIDTH = 107 3/4"
 MAX. OXOX WIDTH = 143 3/4"
- SINGLE DOORS 33 5/8" WIDE OR OVER AND THE OPERABLE PANEL OF DOUBLE DOORS 64 1/8" WIDE OR OVER FROM EITHER TABLE COMPLY WITH THE EGRESS REQUIREMENTS OF THE FBC. NARROWER DOORS MAY BE USED WHERE EGRESS IS NOT REQUIRED BY CODE.
- DESIGN PRESSURES UNDER 40 P.S.F. ARE NOT APPLICABLE IN MIAMI-DADE COUNTY.
- EXAMPLES OF COMBINED DOOR AND SIDE LITE DESIGN PRESSURES:
 EX. A FROM TABLE 1.
 OXO WITH GLASS TYPE A
 30" WIDE x 80" HIGH SINGLE DOOR WITH 28" SIDE LITES
 DESIGN PRESSURE = +87.8 / -87.8 PSF
 EX. B FROM TABLE 1.
 OXO WITH GLASS TYPE A
 68" WIDE x 85" HIGH DOUBLE DOOR WITH 38 1/2" SIDE LITES
 DESIGN PRESSURE = +70.4 / -70.4 PSF
 EX. C FROM TABLE 2.
 OXO WITH GLASS TYPE C
 30" WIDE x 87 3/4" HIGH SINGLE DOOR WITH 28" SIDE LITES
 DESIGN PRESSURE = +43.6 / -43.6 PSF
 EX. D FROM TABLE 2.
 OXO WITH GLASS TYPE C
 63 3/4" WIDE x 80" HIGH DOUBLE DOOR WITH 26" SIDE LITES
 DESIGN PRESSURE = +43.1 / -43.1 PSF
- FOR COMBINED DOOR AND SIDE LITES FROM TABLE 1, WHICH REQUIRED REINFORCEMENT AT DOOR TO SIDE LITE CONNECTION SEE SECTION E-E, SHEET 6 FOR REINFORCEMENT DETAIL.

PRODUCT REVIEWED
 as complying with I.C.C. - Florida
 Building Code
 Approaches No.
 12-0516-02
 Approved by
 Michael E. DeLoe
 Michael E. DeLoe Product Control

DESIGN PRESSURES
 ALUM. FRENCH DOOR & SIDE LITES, IMPACT
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 P.O. BOX 1828
 NOKOMIS, FL 34274
 CERT. OF AUTH. #28296

FD-101
 Scales/Model
 NTS
 Sheet
 2 OF 10
 11005-1
 Rev
 D

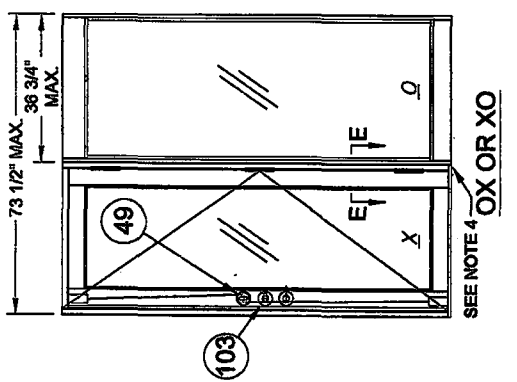
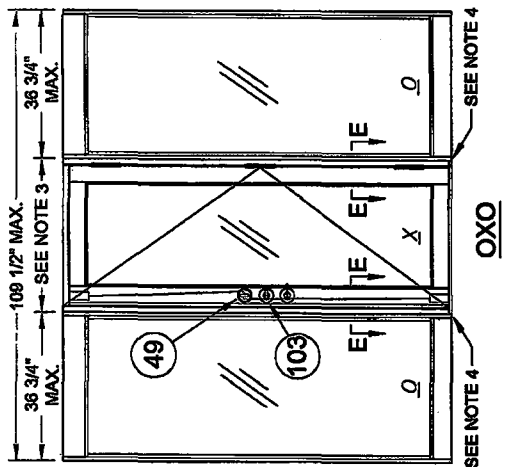
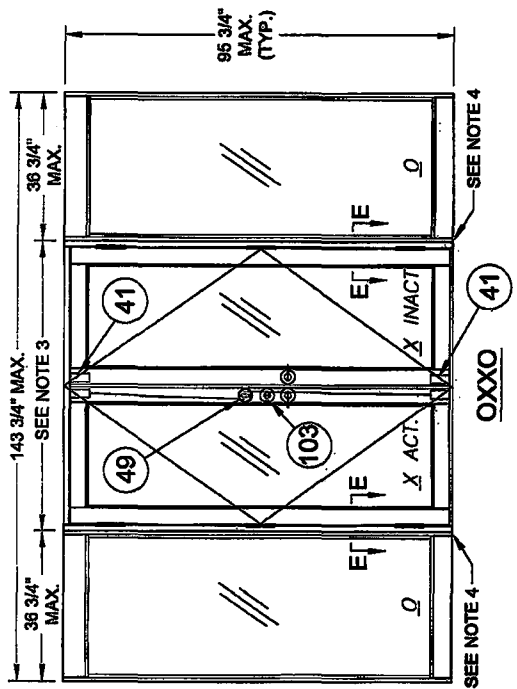
2012
 R. ROSOWSKI
 ADD'D GLASS TYPE
 J ROSOWSKI
 04/04/12
 Drawn By
 Drawn Date



PRODUCT REVIEWED
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 Building Code
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 Expiration Date 11/12/2017
 By: [Signature]
 Miami Dade Product Council

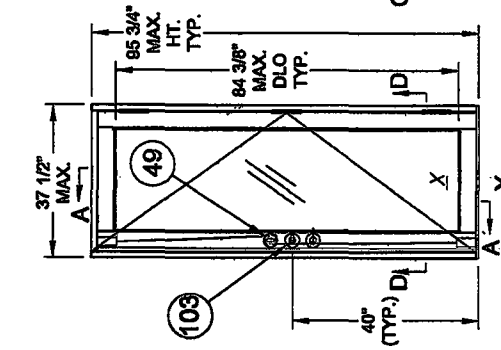
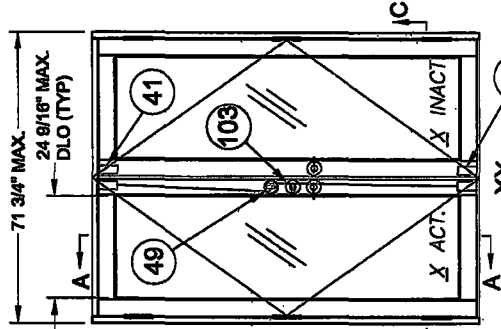
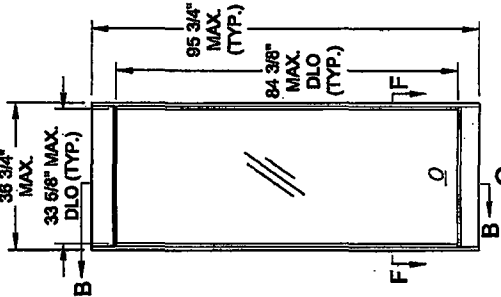
Drawn By: J ROSOWSKI	Drawn Date: 04/04/12	Revision: 2012	Sheet: 3 OF 10	Scale: NTS	Title: ELEVATIONS	Series/Model: FD-101
NO CHANGES THIS SHEET			ALUM. FRENCH DOOR & SIDE LITES, IMPACT		CERT. OF ALTH. #22298	
D			11005-1		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1829 NOKOMIS, FL 34274	

ANTHONY LYNN MILLER
 LICENSE No. 58705
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 P.E.# 88705
 A. LYNN MILLER, P.E.



DOOR
 DLO HEIGHT = HEIGHT -11 3/8"
 DLO WIDTH 'X' = DOOR WIDTH -12 15/16"
 DLO WIDTH 'XX' = DOOR WIDTH/2 -11 5/16"

SIDE LITE
 DLO HEIGHT = HEIGHT -11 3/8"
 DLO WIDTH = WIDTH -3 1/8"



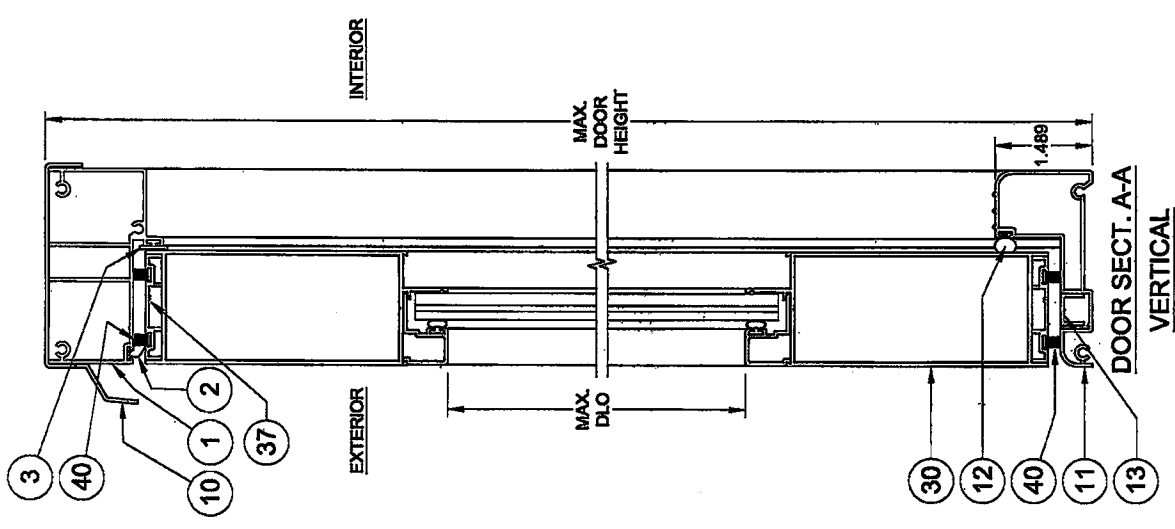
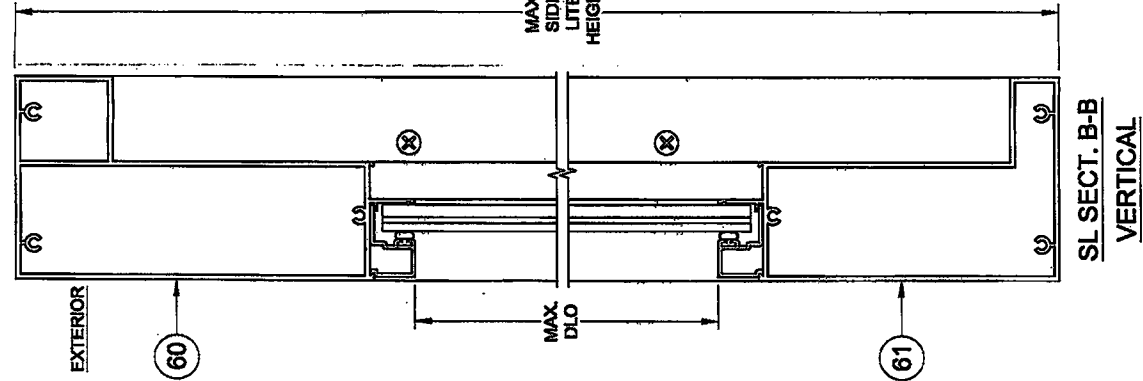
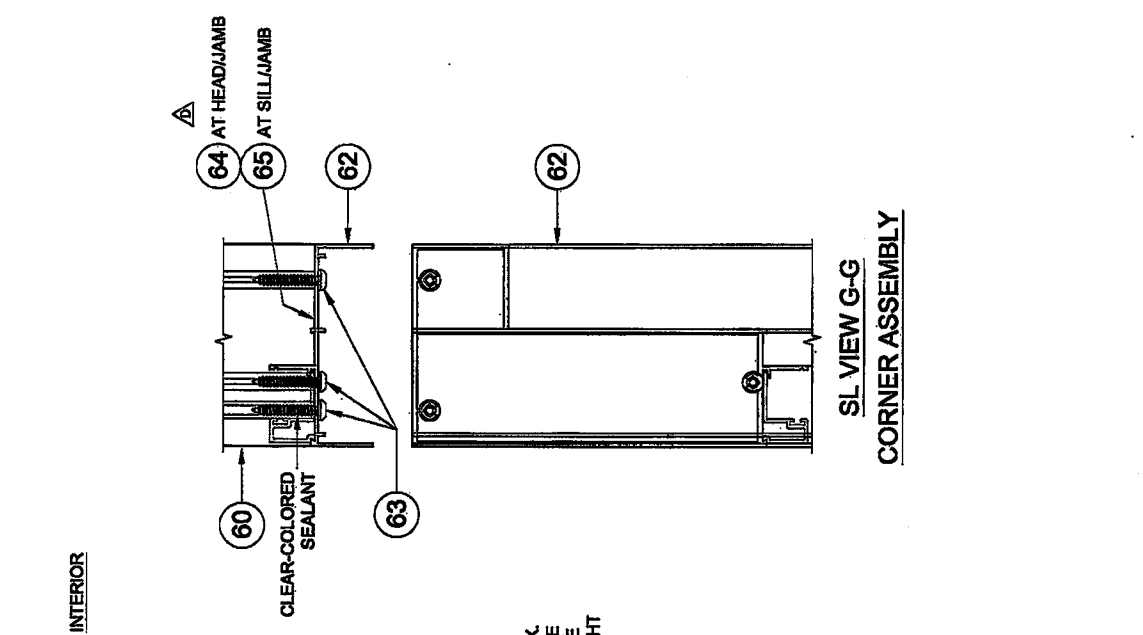
- NOTES:
1. FOR ANCHORAGE DETAILS SEE SHEETS 8 THROUGH 10.
 2. FOR HORIZONTAL AND VERTICAL SECTIONS SEE SHEETS 4 AND 5.
 3. SIDE LITES OVERLAP 'X' AND 'XX' DOORS BY 3/4" WHEN ASSEMBLED TO MAKE 'OX', 'OXO', 'XXO', 'OXX' AND 'OXXO' CONFIGURATIONS.
 4. REINFORCEMENT LOCATION FOR SIDE LITE TO DOOR CONNECTIONS (SEE APPLICABILITY SHEET 2).
 5. CLEAR OPENING FOR 'X' AND 'XX' DOORS AS FOLLOWS: ('X' DOORS = WIDTH - 5.846) ('XX' DOOR = DOOR WIDTH/2 - 4.078)



RCI
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34278
 P.O. BOX 1828
 NOKOMIS, FL 34274
 CERT. OF AUTH. #29298

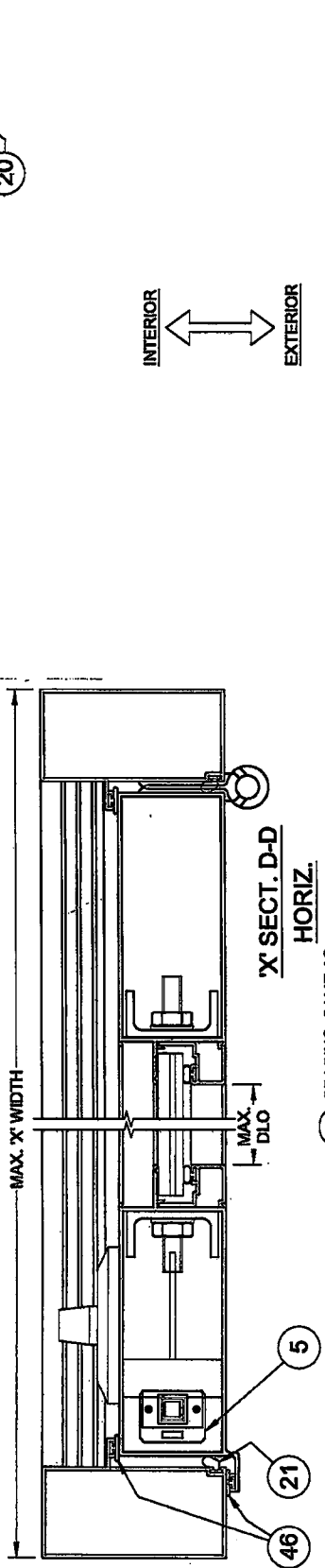
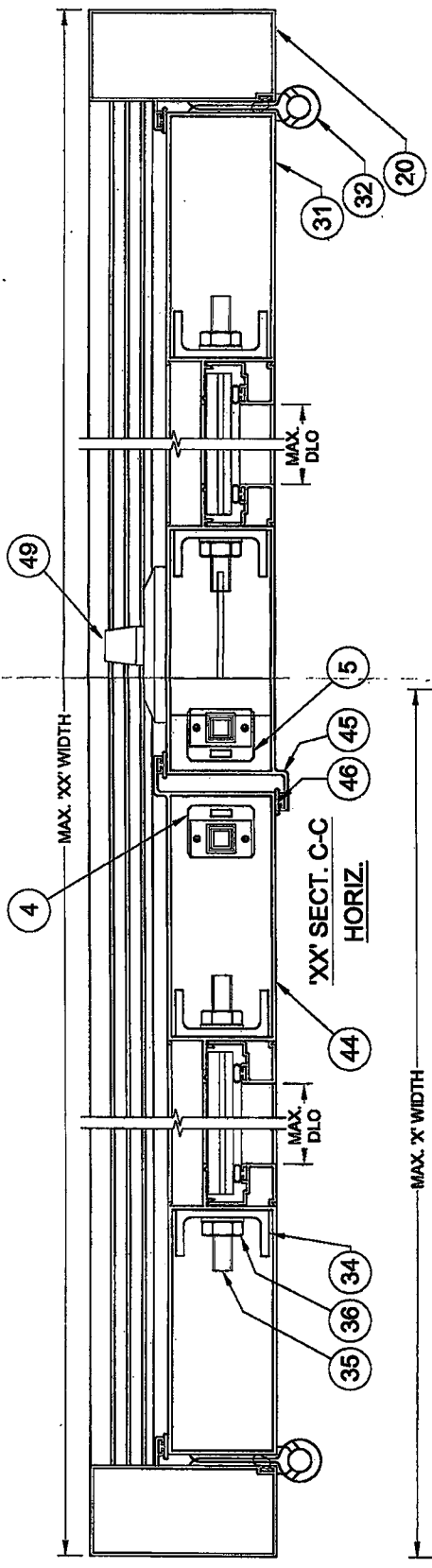
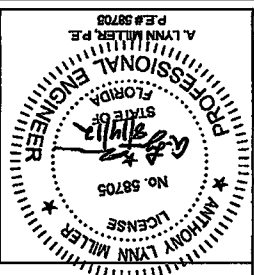
Series/Model: FD-101	Scale: NTS	Sheet: 4 OF 10	Drawing No.: 11005-1
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT			
Description: VERTICAL SECTIONS			
Rev: D	Date: 04/04/12	Drawn By: J ROSOWSKI	Drawn Date: 04/04/12
Rev: D	Date: 2012	Drawn By: J ROSOWSKI	Drawn Date: 04/04/12
Description: GASKET DESCRIPTION			
Description: ADDED HEAD/SILL			

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 Expiration Date 12/31/2012
 BY: [Signature]
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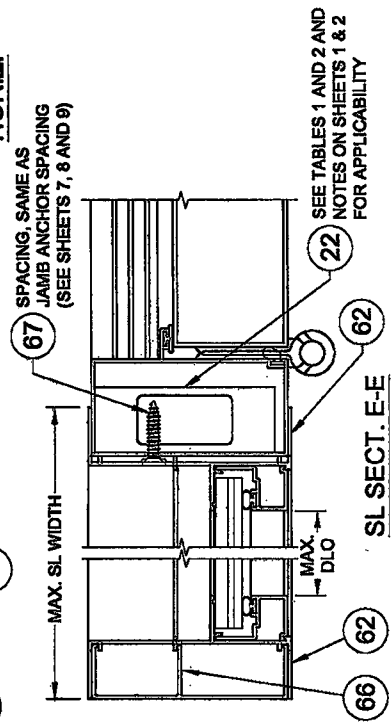
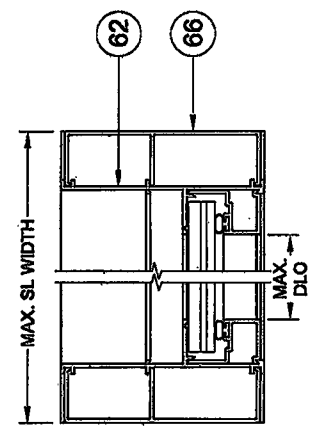


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 Association No. 12-0516-02
 Expiration Date 10/11/2014
 Miami Trade Product Control

Rev. / Date	2012	APR	NO CHANGES THIS SHEET	04/04/12
Drawn By	J ROSOWSKI	Drawn Date		
Series/Model	FD-101	Scale	NTS	5 OF 10
Title	ALUM. FIBERGLASS DOOR & SIDE LITES, IMPACT			
Project	HORIZONTAL SECTIONS			
CERT. OF AUTH. #29298	1070 TECHNOLOGY DRIVE N. VENICE, FL 34278 P.O. BOX 1829 NOKOMIS, FL 34274			

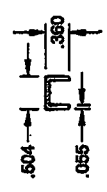


INTERIOR ↔ EXTERIOR

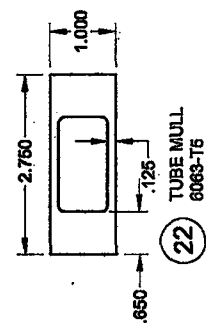


ITEM DWG #	PGT#	DESCRIPTION
1	843B	FRAME HEAD
2	1010	WSTP, Q-LON, 180 X 375 HIGH
3	7070	BULB WEATHERSTRIP, 187 X .300 HIGH
4	955	FLUSHBOLT STRIKEPLATE
5	938	2 PT. LOCK STRIKEPLATE
6	7956A	FRAME HEAD STRIKEPLATE BACKING PLATE
7	7832X12PXP	#8-32 X .500 PH. FL. MS - S.S. W/SILICONE PATCH
8	70995	GASKET (BETWEEN THRESHOLD & FRAME JAMB)
9	70996	GASKET (BETWEEN HEAD & FRAME JAMB)
10	952A	FILLER HEAD ADAPTER
11	611000M	OUTSWING THRESHOLD
12	1670	WSTP, 360 RD FOAM FILL, T-SLOT (AMSBURY#32011)
13	11004A	OUTSWING THRESHOLD CHANNEL COVER
14	11001A	ACETAL SPACER .065 (INHOUSE INJECTION MOLDED)
15	11002A	ACETAL SPACER .095 (INHOUSE INJECTION MOLDED)
16	11003A	ACETAL SPACER .140 (INHOUSE INJECTION MOLDED)
20	915D	FRAME JAMB (OUTSWING)
21	1010	WSTP, Q-LON, 180 X 375 HIGH
22	6608	REINFORCEMENT, 1.000 X 2.750 X 0.650, 6061-T6
23	1140	#8 X 1.500 PH SQ A TIS
24	1048	JAMB SCREW COVER CAP
25	680	STRIKE PLATE INSERT
26	1118	#10 X .750 PH. FL. SMS
27	7070K	BULB WEATHERSTRIP, 187 X .300 HIGH
30	910D	DOOR PANEL, TOP & BOTTOM RAIL
31	911E	DOOR PANEL, SIDE RAIL
32	917	HINGE EXTRUSION
33	1178	#10 X .625 PH. FL. SMS
34	913A	TRUSS CLAMP
35	1130	6716-18 THREADED ROD
36	660	6716-18 FLANGED HEX NUT
37	914A	WEATHERSTRIP CHANNEL
38	7834FP1	#8 X .75 PH. FL. TEK
39	997	GASKET (BETWEEN PANEL HEAD/SILL & PANEL STILES)
40	1023	WSTP, 187 X 260 HIGH, FINSEAL
41	928	SLIDE BOLT ASSY. (INACTIVE PANEL ONLY)
42	1145	#6 X .600 PH FL SMS TYPE BDS
43	1212	SILL DUST PLUG (INACTIVE PNL)
44	983B	DOOR PANEL ASTRAGAL 1 (OUTSWING)
45	984B	DOOR PANEL ASTRAGAL 2 (OUTSWING)
46	1213	WSTP, Q-LON, 180 X .200 HIGH
47	929	LOCK SUPPORT ASSY. (41707 & 41708)
48	1139	#6 X .750 PH. FL. SMS
49	982	2 PT. LOCK ASSY.
50	6R180FS	RUBBER SLEEVE
51	930	STRIKE PL. INSERT (INACTIVE PANEL)
52	931	DEADBOLT STRIKE PLATE
53	1118	#10 X .750 PH FL SMS
54	967	HANDLE STRIKE PLATE
55	1118	#10 X .750 PH FL. SMS

ITEM DWG #	PGT#	DESCRIPTION
60	820D	SIDELITE HEADER
61	821D	SIDELITE SILL
62	816B	SIDELITE JAMB
63	1166	#8 X 1.000 QUAD PN. SMS
64	988	HEAD GASKETS (STOCKING #70988)
65	989	SILL GASKETS (STOCKING #70989)
66	834A	SIDELITE JAMB ADAPTER
67	712653K	#12 X 1.000 SHEET METAL SCREW
70	71267K	SETTING BLOCK, 3/32" X 1/4" X 1" W/PSA, 85 +/- .5 DURO.
71	12422A	SETTING BLOCK, 1/16" X 1/2" X 1" W/PSA, 85 +/- .5 DURO.
72	4222A	BEAD, 7/16"
73	6886	BEAD, 3/8"
74	4087B	BEAD, 13/16" IG
80	6DURAK14	1/4" DURASEAL IG SPACER
91	6TP246	BULB, THIN (USED IN EXTRUDED BEAD)
92	64986	BEAD, INTERIOR
93	1224	BULB, THICK (USED IN EXTRUDED BEAD), 66 +/- 1 DURO.
94	6LAZING SILICONE, DOW 889 OR 883	
95	6GLASS, 3/8" LAMI - 1/8" A, .80 PVB, 3/16" HS	
96	6GLASS, 3/8" LAMI - 1/8" HS, .80 PVB, 3/16" HS	
97	6GLASS, 7/16" LAMI - 3/16" A, .80 PVB, 3/16" HS	
98	6GLASS, 7/16" LAMI - 3/16" HS, .80 PVB, 3/16" HS	
99	6GLASS, 13/16" LAMI IG - 3/16" TP, 1/4" AIRSPACE, 1/8" HS, .80 PVB, 3/16" HS	
103	OFF-THE-SHELF	DEAD BOLT LOCK



13 OUTSWING THRESHOLD CHANNEL COVER 6063-T6

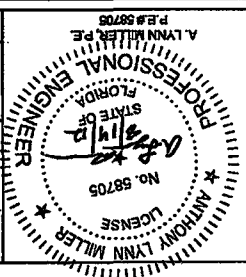


22 TUBE MULL 6063-T6

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Examination Date 04/12/2017
Miami-Dade Product Control

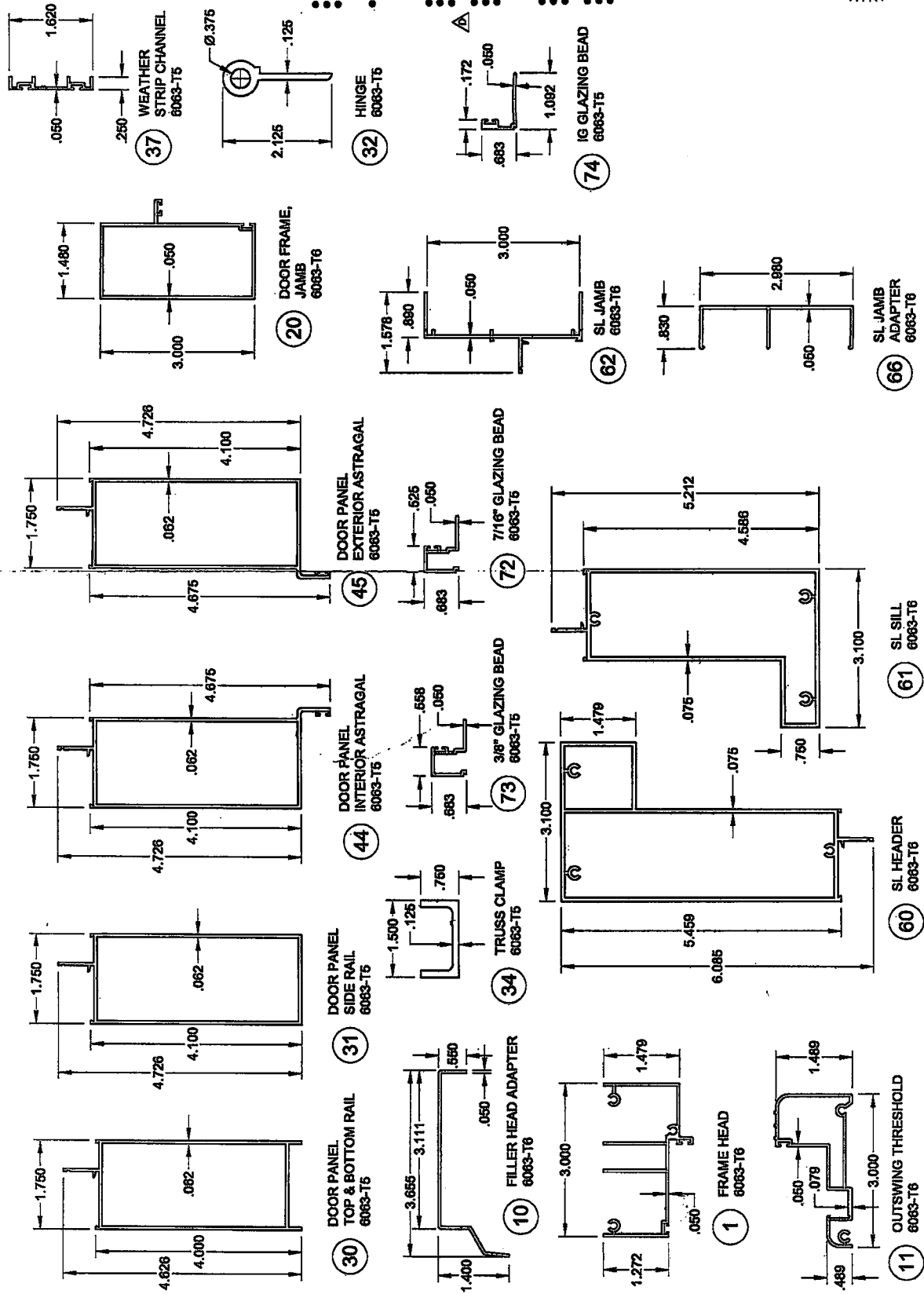
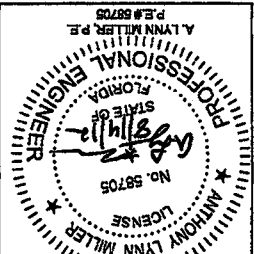
Drawn By: J ROSOWSKI
Date: 04/04/12
Revised: 2012
Description: ADDED NEW PARTS
Title: PARTS LIST
Scale: NTS
Sheet: 6 OF 10
Drawing No: 11005-1
Rev: D

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34278
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #23298



PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Accreditation No. 12-0516.02
 Registration Date 10/11/2017

Rev. 2012	Rev. 2012	Rev. 2012	Rev. 2012	Rev. 2012	Rev. 2012
Drawn By: J ROSOWSKI	Drawn Date: 04/04/12	Check By: J ROSOWSKI	Check Date: 04/04/12	Project: ALUM. FRENCH DOOR & SIDE LITES, IMPACT	Sheet: 7 OF 10
Title: EXTRUSIONS		Series/Model: FD-101		Drawing No. 11005-1	
Designer: J ROSOWSKI		Society: NTS		Rev. D	

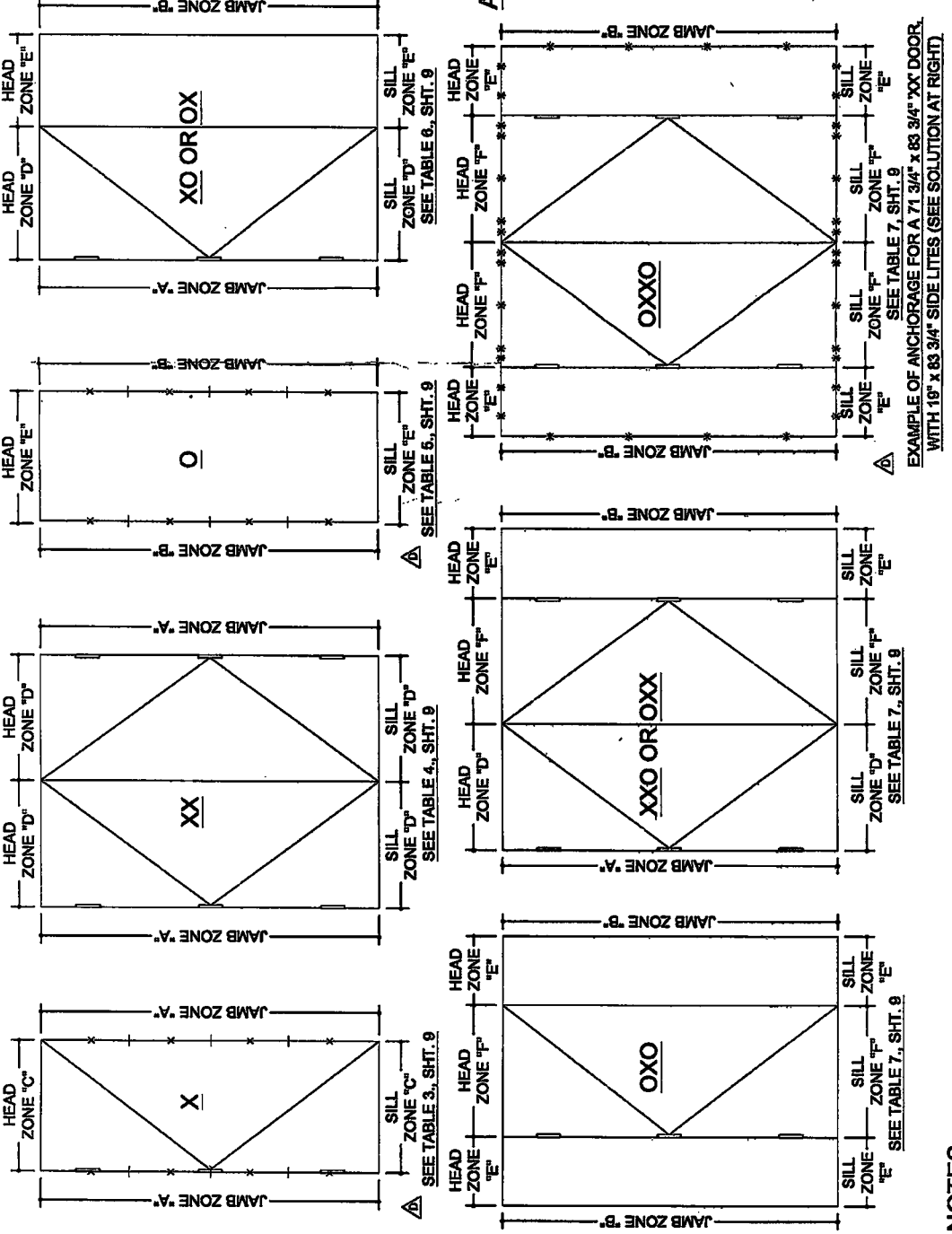


30 DOOR PANEL TOP & BOTTOM RAIL 6063-T6
 31 DOOR PANEL SIDE RAIL 6063-T6
 32 HINGE 6063-T6
 34 TRUSS CLAMP 6063-T6
 37 WEATHER STRIP CHANNEL 6063-T6
 44 DOOR PANEL INTERIOR ASTRAGAL 6063-T6
 45 DOOR PANEL EXTERIOR ASTRAGAL 6063-T6
 50 IG GLAZING BEAD 6063-T6
 60 SL HEADER 6063-T6
 61 SL SILL 6063-T6
 62 SL JAMB 6063-T6
 66 SL JAMB ADAPTER 6063-T6
 72 7/16\"/>

PRODUCT REVIEWED
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 Acceptance No. 12-0516-02
 Approval Date 11/16/17

Title: ANCHORAGE, ELEVATIONS		Scale: NTS		Sheet: 8 OF 10		Drawing No. 11005-1		Rev. D	
Description: ALUM. FRESH-BODR & SIDE LITES, IMPACT		Secton/Block: FD-101		Cert. of Auth. #29298		1070 TECHNOLOGY DRIVE P.O. BOX 1829 N. VENICE, FL 34278 NOKOMIS, FL 34274			
Anchor: 2012		Rev. 0		Rev. 0					
Locations: CLARIFIED ANCHOR		Rev. 0		Rev. 0					
Drawn By: J ROSOWSKI		Rev. 0		Rev. 0		ANTHONY LYNN MILLER LICENSE No. 68705 STATE OF FLORIDA PROFESSIONAL ENGINEER P.E.# 68705			
Drawn Date: 04/04/12		Rev. 0		Rev. 0		A LYNN MILLER, P.E. P.E.# 68705			

* = MINIMUM JAMB ANCHOR LOCATION.
 - = ADDITIONAL JAMB ANCHOR LOCATION, EQUALLY SPACED AS REQUIRED PER TABLES 3-7 ON SHEET 9.
 EXAMPLE ANCHORAGE SOLUTION FOR A CONCRETE OXO INSTALLATION
 A. 19" x 83 3/4" SIDE LITES "B" AND "E" ZONE ANCHORS FROM TABLE 7, SHEET 9.
 PLUS;
 B. 71 3/4" x 83 3/4" XX DOOR ZONE "F" ANCHORS FROM TABLE 4, SHEET 9, EACH "F" ZONE.
 SEE ENCIRCLED VALUES, SHEET 9
 SOLUTION:
 TOTALS (4) TYPE 1 OR 2 ANCHORS EACH JAMB AND 2-6+2 = (14) TYPE 1 OR 2 ANCHORS AT HEAD AND AT SILL.
 * = ANCHOR LOCATION FOR EXAMPLE ABOVE



- NOTES:**
- APPROVED ANCHOR TYPES ARE: 1. 1/4" ELCO TAPCONS 2. 1/4" ELCO SS4 CRETE-FLEX MASONRY ANCHORS 3. #12 SCREWS
 - ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (3" MIN. O.C. FOR CONCRETE); SEE EXAMPLE OXO ANCHOR LAYOUT ABOVE.
 JAMBS (ALL); 13 1/4" MAX. FROM CORNERS AND 23 1/8" MAX. O.C.
 HEAD & SILL OF DOORS; 6" MAX. FROM CORNERS, 6" MAX. FROM ASTRAGAL CENTERS AND 20 7/8" MAX. O.C.
 HEAD & SILL OF SIDE LITES; 6" MAX. FROM CORNERS AND 24 3/4" MAX. O.C.
 - TO DETERMINE ANCHOR QUANTITIES FIND THE CONFIGURATION ABOVE THEN REFER TO THE APPROPRIATE TABLES ON SHEET 9.

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 12-0516-02
Expiration Date 12/18/12

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
NOKOMIS, FL 34274

CERT. OF AUTH. #29298

FD-101
Series/Model
Score
NTS
Sheet
9 OF 10
Drawing No.
11005-1
Rev.
D

ALUM. FRENCH-DOOR & SIDE LITES, IMPACT

ANCHOR QUANTITY LOAD ZONE TABLES

04/04/12

2012

ADDED GLASS TYPE

J ROSOWSKI

Drawn by
Drawn Date

Professional Engineer License No. 68705
ANTHONY LYNN MILLER
FLORIDA
STATE OF
P.O. BOX 1528
NOKOMIS, FL 34274
A LYNN MILLER, P.E.
P.E.#68705

APPROVED ANCHOR TYPES:

1. 1/4" ELCO TAPCONS
2. 1/4" ELCO SS4 CRETE-FLEX MASONRY ANCHORS
3. #12 SCREWS (G5)
4. ENCIRCLED ANCHOR QUANTITIES IN TABLES 4 AND 7 PERTAIN TO THE EXAMPLE ANCHORAGE SOLUTION ON SHEET 8.

TABLE 7. OXO, XXO, OXX & OXXO

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"XX" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
10.75 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
12.75 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
18.00 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
21.75 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
27.75 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
38.13 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL
38.75 x 78.75	4	4	OXO - JAMB	OXO - HEADSILL
			OXO - JAMB	OXO - HEADSILL

TABLE 6. XO & OX

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"X" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
10.75 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
12.75 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
18.00 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
21.75 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
27.75 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
38.13 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL
38.75 x 78.75	4	4	XO - JAMB	XO - HEADSILL
			XO - JAMB	XO - HEADSILL

TABLE 6. O SIDE LITE

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "O" - 10.75 TO 36.75	"O" - 10.75 TO 36.75	WIDTH x HT.	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
10.75 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
12.75 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
18.00 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
21.75 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
27.75 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
38.13 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL
38.75 x 78.75	4	4	O - JAMB	O - HEADSILL
			O - JAMB	O - HEADSILL

**TABLE 4. XX DOORS
(ALSO X DOOR OF XO & OX)**

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "XX" - 47.76 TO 71.76	"XX" - 47.76 TO 71.76	WIDTH x HT.	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
47.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
51.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
55.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
59.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
63.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
67.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
71.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL

TABLE 3. X DOORS

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"X" - 25.50 TO 37.50	WIDTH x HT.	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
25.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
27.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
29.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
31.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
33.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
35.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL
37.50 x 78.75	5	2	X - JAMB	X - HEADSILL
			X - JAMB	X - HEADSILL

USE JAMB ANCHOR FROM TABLE 3, OR 4 FOR EACH ZONE OF APPLICABLE DOOR WIDTH

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"XX" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
10.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
12.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
18.00 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
21.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
27.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.13 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL

USE JAMB ANCHOR FROM TABLE 3, OR 4 FOR EACH ZONE OF APPLICABLE DOOR WIDTH

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"XX" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
10.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
12.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
18.00 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
21.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
27.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.13 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL

USE JAMB ANCHOR FROM TABLE 3, OR 4 FOR EACH ZONE OF APPLICABLE DOOR WIDTH

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"XX" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
10.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
12.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
18.00 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
21.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
27.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.13 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL

USE JAMB ANCHOR FROM TABLE 3, OR 4 FOR EACH ZONE OF APPLICABLE DOOR WIDTH

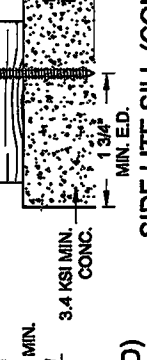
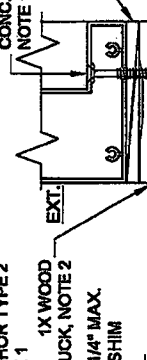
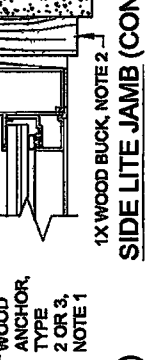
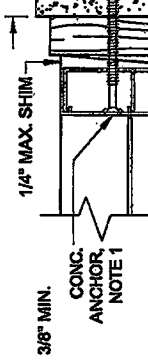
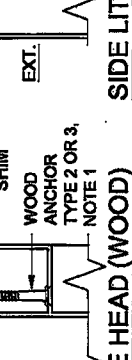
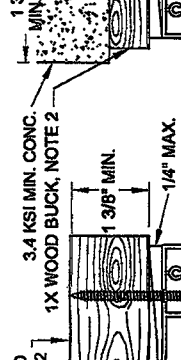
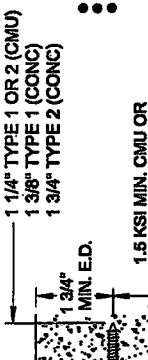
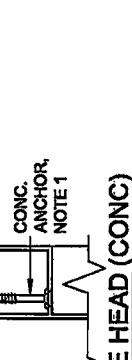
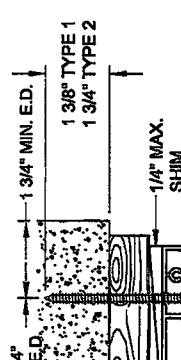
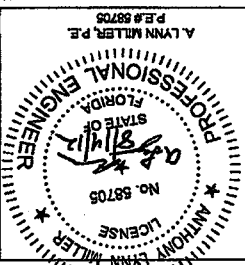
GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"XX" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
10.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
12.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
18.00 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
21.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
27.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.13 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL

USE JAMB ANCHOR FROM TABLE 3, OR 4 FOR EACH ZONE OF APPLICABLE DOOR WIDTH

GLASS TYPES ANCHOR TYPE & SUBSTRATE	LOAD ZONES A, B, C, D, E			
	2.3 WOOD	1.2 CONC	1.2 CONC	1.2 CONC
DOOR WIDTHS "X" - 25.50 TO 37.50	"XX" - 47.76 TO 71.76	SIDE LITE WIDTH x HT.	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
10.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
12.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
18.00 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
21.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
27.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.13 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL
38.75 x 78.75	4	4	XX - JAMB	XX - HEADSILL
			XX - JAMB	XX - HEADSILL

PRODUCT RENewed
 as complying with the Florida
 Building Code
 Acceptance No.
 Expiration Date: 12-05/16.02
 By: [Signature]
 Miami Dade Product Council

Rev: 2012	Drawn By: J ROSOWSKI	Drawn Date: 04/04/12
Rev: 2012	Revised: NO CHANGES THIS SHEET	
Description: ANCHORAGE DETAILS		
Title: ALUM. FRMCH. DOOR & SIDE LITES, IMPACT	Sheet: 10 OF 10	
Scale: NTS	Drawing No: 11005-1	Rev: D
CERT. OF AUTH. #29296		



NOTES:

- FOR CONCRETE INSTALLATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" TAPCONS EMBEDDED 1 3/8" MIN. (TYPE 1) OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN. (TYPE 2). THE MINIMUM DISTANCE FROM CENTER OF ANCHOR TO CONCRETE EDGE IS 1 3/4". FOR WOOD INSTALLATIONS USE #12 SCREWS, G6 (TYPE 3) OR ELCO 1/4" SS4 CRETE-FLEX ANCHORS EMBEDDED 1 3/8" MIN. (TYPE 2).
- WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
- IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT (3400 PSI MIN.), (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL. THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
 PRODUCT CONTROL SECTION
 11805 SW 26th Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

PGT Industries, Inc.
 1070 Technology Drive
 North Venice, FL 34275

B/B/2012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HR-710" Aluminum Horizontal Sliding Window L.M.L.

APPROVAL DOCUMENT: Drawing No. 4127-10, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "E" dated 10/17/2011, prepared by PGT Industries, Inc., dated 02/01/2012, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact 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 revises NOA No. 11-0630.02 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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

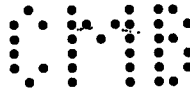


*J. Gascon
2/18/12*

NOA No. 11-1114.04

Expiration Date: December 21, 2016

Approval Date: February 16, 2012



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



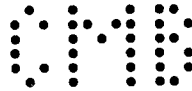
A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No.'s 07-0815.09 and 06-0405.06)
2. Drawing No. 4127-10, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "E" dated 10/17/2011, prepared by PGT Industries, Inc., dated 02/01/2012, signed and sealed by Anthony Lynn Miller, P. E.

B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5330, dated 07/18/2007, signed and sealed by Carlos S. Rionda P. E.
(Submitted under NOA No. 07-0815.09)
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, Type "C" sliding window, Grade 10, per FBC 2411 3.2.1, TAS 202-94 and per ASTM F 842-04
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-4858, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA No. 06-0405.06)
3. 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, Type "C" sliding window, Grade 10, per FBC 2411 3.2.1, TAS 202-94 and per ASTM F 842-04
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-4859, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA No. 06-0405.06)

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.04
Expiration Date: December 21, 2016
Approval Date: February 16, 2012



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by PGT Industries, Inc., dated 10/26/06, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 07-0815.09)
2. Complies with ASTM E1300-98/ 04

D. QUALITY ASSURANCE

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

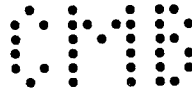
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.01 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. 08-0206.01 issued to Solutia Inc. for their "Saflex HP Glass Interlayer" dated 04/17/2008, expiring on 04/17/2013.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2007 (with the 2009 supplement) and FBC-2010, dated 10/25/11, signed and sealed by Anthony Lynn Miller, P. E.
2. Statement letter of no financial interest and independence, dated 10/25/11, signed and sealed by Anthony Lynn Miller, P. E.
3. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27.001 of the F.B.P.E., dated 10/07/11 signed and sealed by Anthony Lynn Miller, P. E.
4. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 06/29/2011, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 11-0630.02)
5. Laboratory compliance letter for Test Report No. FTL-5330, issued by Fenestration Testing Laboratory, Inc., dated 07/18/2007, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA No. 07-0815.09)

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.04
Expiration Date: December 21, 2016
Approval Date: February 16, 2012



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



F. STATEMENTS (CONTINUED)

6. Laboratory compliance letter for Test Reports No.'s **FTL-4858** and **FTL-4859**, issued by Fenestration Testing Laboratory, Inc., dated 03/08/2006, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA No. 06-0405.06)

G. OTHERS

1. Notice of Acceptance No. **11-0630.02**, issued to PGT Industries, Inc. for their Series "HR-710 Aluminum Horizontal Roller Window - L.M.I.", approved on 08/18/2011 and expiring on 12/21/2016.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.04
Expiration Date: December 21, 2016
Approval Date: February 16, 2012

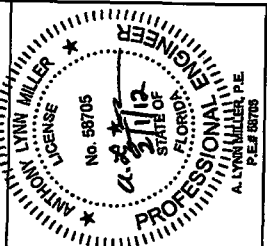
GENERAL NOTES: IMPACT HORIZONTAL ROLLER FLANGED AND INTEGRAL FIN WINDOW

1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2). FOR INSTALLATION ABOVE 30 FT, GLASS TYPES G THRU L MUST HAVE A TEMPERED GLASS CAP.
 - A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - B. 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - E. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - G. 13/16" LAMI (G: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - H. 13/16" LAMI (G: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - I. 13/16" LAMI (G: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - J. 13/16" LAMI (G: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - K. 13/16" LAMI (G: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - L. 13/16" LAMI (G: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
2. CONFIGURATIONS: DX, XO, XOX
3. DESIGN PRESSURES: (SEE TABLES, SHEET 3)
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.
4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE DETAILS.
5. SHUTTERS ARE NOT REQUIRED.
6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.
7. REFERENCES: TEST REPORTS FTL-4858, FTL-4859 AND FTL-5330. ELCO, TEXTRON NOA: 04-0721.01, 03-0226.05 ANS/AF&PA NDS-2005 FOR WOOD CONSTRUCTION ADW-2005 ALUMINIUM DESIGN MANUAL
8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
9. FOR INSTALLATION IN THE HVHZ ABOVE 30 FT, GLASS TYPES G - L SHALL HAVE A TEMPERED I.G. GLASS CAP. BOTH THE DP AND ANCHOR QUANTITY REMAIN UNCHANGED.

NOA DRAWING MAP

SHEET	NOA DRAWING MAP
1	GENERAL NOTES
2	GLAZING DETAILS
3	DESIGN PRESSURES
4	ELEVATIONS
5	VERT. SECTIONS
6	HORIZ. SECTIONS
7	PARTS LIST
8	EXTRUSIONS
9	CORNER DETAILS
10-11	ANCHORAGE

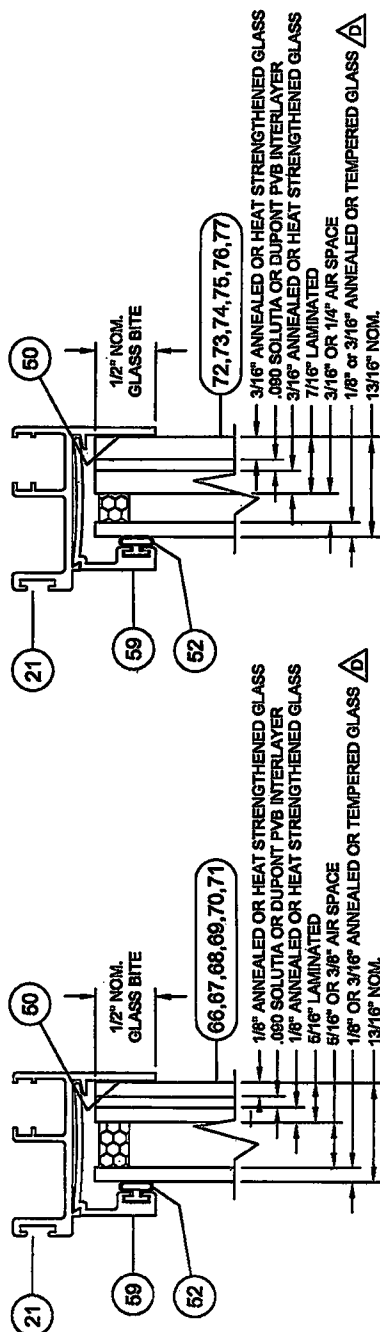
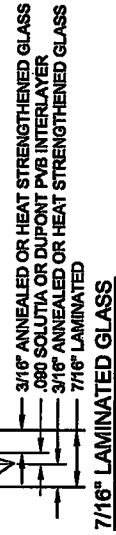
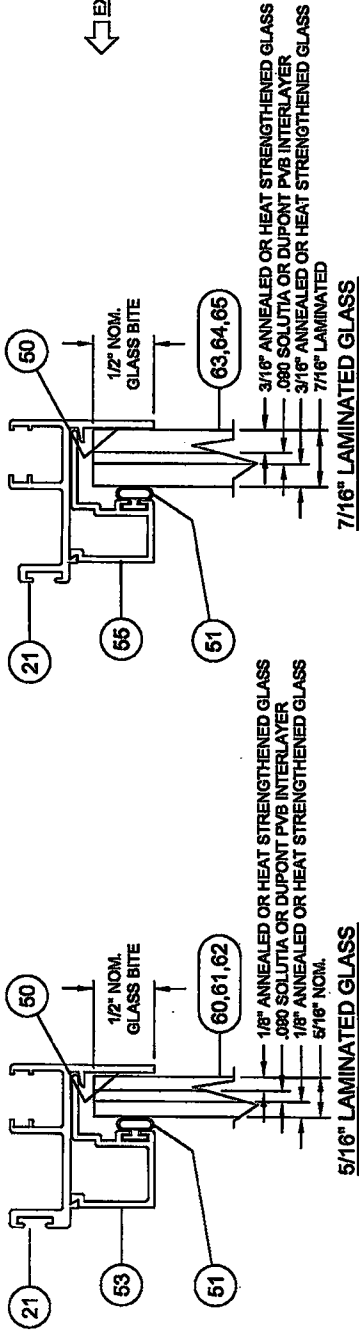
PRODUCT REVISED as complying with the Florida Building Code
 Appointment No. 11-11-12
 Expiration Date: 11-11-12
 By: [Signature]
 Licensed Trade Professional (Contractor)



Rev	Date	Description	By	Check	Scale	Sheet	Total
1	11/17/11	REVISED PER 2010 CODE CHANGE	J.L.	J.L.		1	11
2	02/20/11	ADDED IG CAP TO BE TEMPERED @ 30FT NOTE.	J.L.	J.L.		1	11
3	4/16/07	ADD FTL-5330 TO NOTES 7 & CHG. NOTE 8 TO CURRENT EDIT.	J.L.	J.L.		1	11
4	2/22/08		J.L.	J.L.		1	11

GENERAL NOTES	
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278 P.O. BOX 1629 NOKOMIS, FL 34274	4127-10
PGI Vastly Better	
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT	
HT710	4127-10

EXTERIOR INTERIOR
(ALL SECTIONS)



FOR INSTALLATION IN THE HVHZ ABOVE 30 FT, GLASS TYPES G - L SHALL HAVE A TEMPERED I.G. GLASS CAP. BOTH THE DP AND ANCHOR QUANTITY TO REMAIN UNCHANGED.

Revised By: J.J.	Date: 10/17/11	Revision: E	NO CHANGE THIS SHEET
Revised By: J.R.	Date: 6/22/11	Revision: D	ADDED IG CAP TO BE TEMPERED @ 30FT NOTE
Revised By: F.K.	Date: 4/16/07	Revision: C	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 2/28/08	Checked By: J.J.	Date: 3/23/08

Manufacturer: PGI	1070 TECHNOLOGY DRIVE NOKOMIS, FL 32476
Distributor: Vitally Better	P.O. BOX 1029 NOKOMIS, FL 32474

Product: GLAZING DETAILS	Material: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
Specification: HRP10	Finish: Full
Quantity: 2	Anchor No.: 4127-10
Unit: E	

PRODUCT REVISED as complying with the Florida Building Code Amendments No. 11-111-0004 beginning 1/1/11
By: [Signature] Miami Dade Prefabricated Concrete

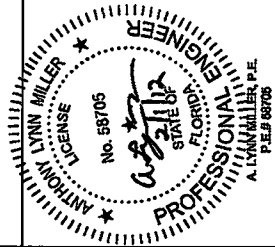


TABLE 1.
XOX (1/4, 1/2, 1/4) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT											
		28"	38"	38 3/8"	48"	50 5/8"	54"	60"	63"				
84"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
106 3/8"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
111"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
UP TO 111"	C,I												
UP TO 111"	D,E,F, J,K,L												

TABLE 2.
XOX (1/3, 1/3, 1/3) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT											
		ALL HEIGHTS UP TO 63"											
TO 86 7/16"	A,B,C, G,H,I												
	D,E,F, J,K,L												
	D,E,F, J,K,L												

TABLE 3.
OX AND XO FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT											
		26"	38"	38 3/8"	48"	50 5/8"	54"	60"	63"				
80"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
66"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
72"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
74"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
UP TO 74"	C,D,E,F, I,J,K,L												

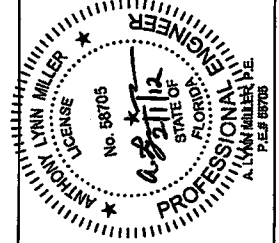
GLASS TYPES: TEST REPORT FTL-4858 (OX), FTL-4859 (OX & XO) AND FTL-5330

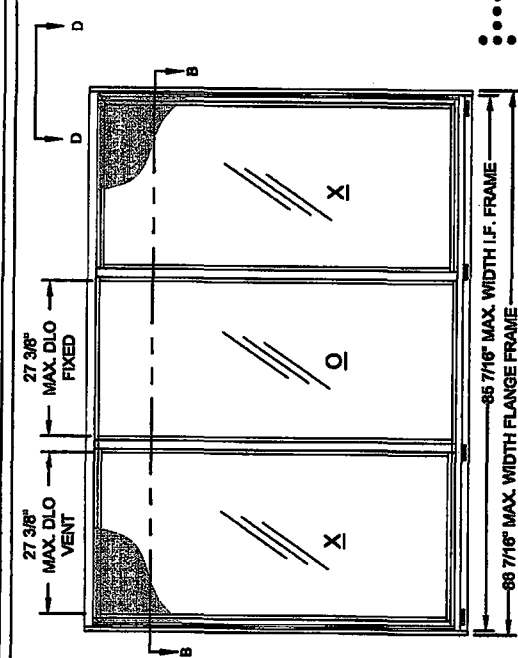
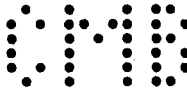
- A. 5/16" LAMI - (1/8" A, .090, 1/8" A)
- B. 5/16" LAMI - (1/8" A, .090, 1/8" HS)
- C. 5/16" LAMI - (1/8" HS, .090, 1/8" HS)
- D. 7/16" LAMI - (3/16" A, .090, 3/16" A)
- E. 7/16" LAMI - (3/16" A, .090, 3/16" HS)
- F. 7/16" LAMI - (3/16" HS, .090, 3/16" HS)
- G. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" A, .090, 1/8" A)
- H. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" A, .090, 1/8" HS)
- I. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" HS, .090, 1/8" HS)
- J. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .090, 3/16" A)
- K. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .090, 3/16" HS)
- L. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .090, 3/16" HS)

Revision: 1/11/11	NO CHANGE THIS SHEET
Drawn By: J.R.	DATE: 6/20/11
Checked By: F.K.	DATE: 4/16/07
Design By: J.J.	DATE: 3/29/06
Project: 1070 TECHNOLOGY DRIVE NOKONIS, FL 34276	P.O. BOX 1828 NOKONIS, FL 34274
Product: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT	Model: 1R716
Finish: 3	Color: 11
Material: NTS	Quantity: 4127-10

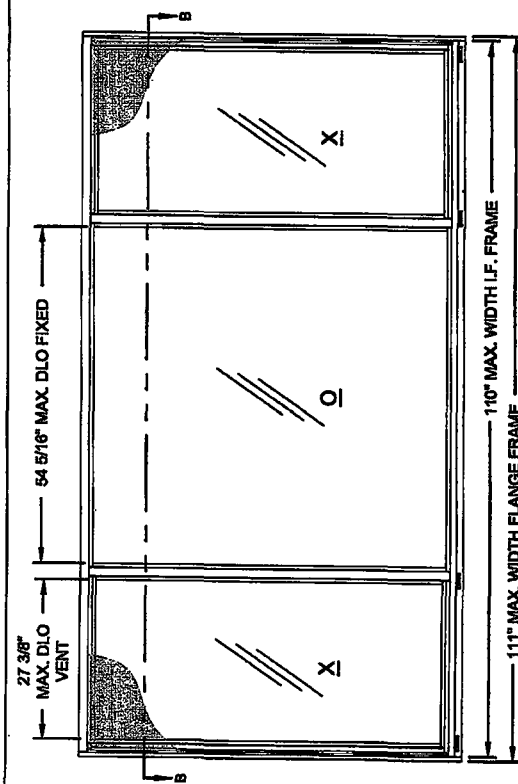
FOR INSTALLATION IN THE HVHZ ABOVE 30 FT. GLASS TYPES G-L SHALL HAVE A TEMPERED LG. GLASS CAP. BOTH THE DP AND ANCHOR QUANTITY REMAIN UNCHANGED.

PRODUCT REVISED as complying with the Florida Building Code Association No. 11/11/10
By: [Signature]
William H. Miller Product Control

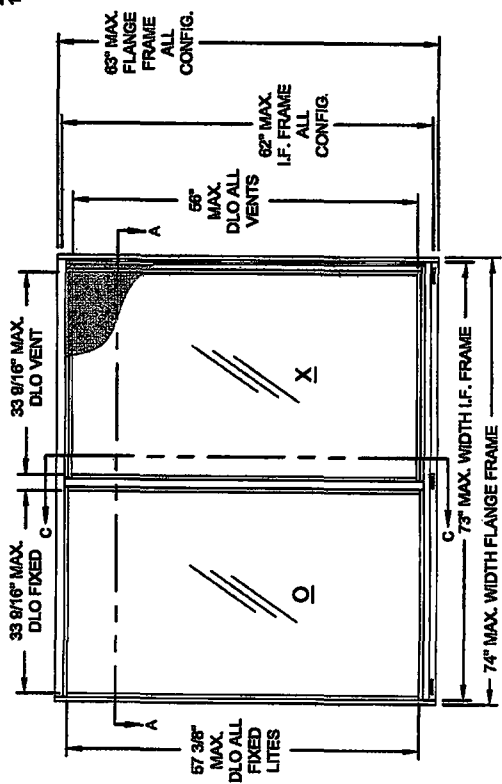




DETAIL C - XOX (1/3-1/3-1/3)

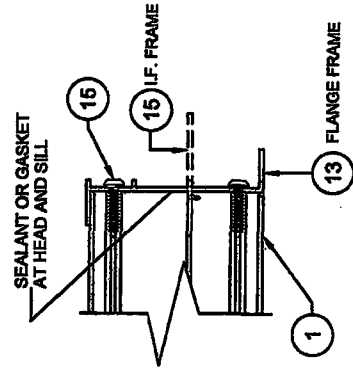


DETAIL B - XOX (1/4-1/2-1/4)



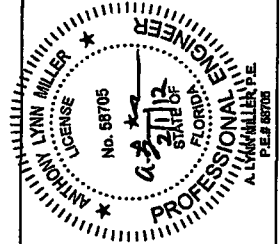
DETAIL A - OX OR XO

NOTE:
1. SEE SHEET 6 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.

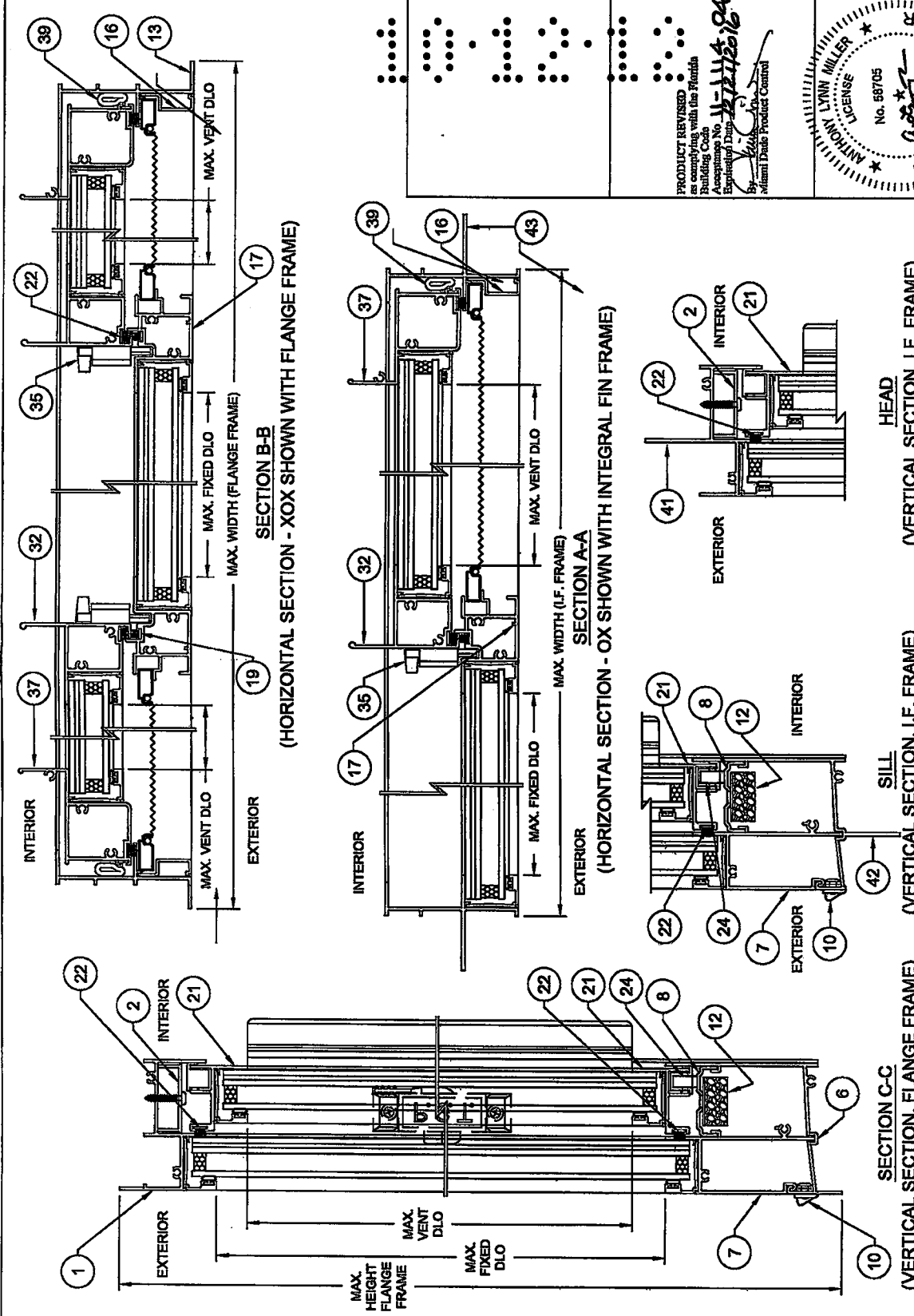
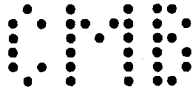


VIEW D-D
(FRAME CORNER CONSTRUCTION)

PRODUCT REVISED
as complying with the Florida
Building Code
Association No. 11-114-04
Expiration Date 11/1/2016
Mitsui Trade Product Control




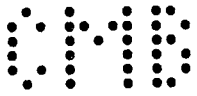
Revised By: J.J.	Date: 10/17/11	Revision: E	NO CHANGE THIS SHEET
Revised By: L.R.	Date: 8/20/11	Revision: D	NO CHANGE THIS SHEET
Revised By: F.K.	Date: 4/15/07	Revision: C	FOR INFORMATION ONLY - MAX. DIMENSIONS AND CORNER CONSTRUCTION DETAIL FROM SET 1, 2.
Revised By: F.K.	Date: 2/28/08	Revision: J.J.	3/22/08
Product Code: HR710	Quantity: 4	Order No: 4127-10	Sheet: E
PGI Vitrally Better			
1070 TECHNOLOGY DRIVE NOKOMIS, FL 32767 P.O. BOX 1028 NOKOMIS, FL 32714			
ELEVATIONS ALUM. HORIZONTAL ROLLER WINDOW, IMPACT			



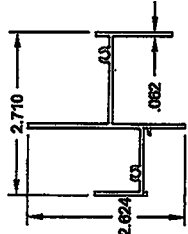
PRODUCT REVISED as complying with the Florida Building Code Amendments No. 11-11-2016, 12-11-2016, 1-11-2016, 2-11-2016, 3-11-2016, 4-11-2016, 5-11-2016, 6-11-2016, 7-11-2016, 8-11-2016, 9-11-2016, 10-11-2016, 11-11-2016, 12-11-2016

ANTHONY LYNN MILLER
LICENSE No. 68705
FLORIDA STATE OF
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P-EN 68705

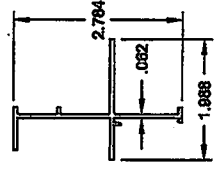
Section	SECTIONS	
Product	ALUM. HORIZONTAL ROLLER WINDOW, IMPACT	
Model No.	HR710	4127-10
Sheet	5 of 11	E
Company	 PGI Validity Better	
Address	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34276 P.O. BOX 1839 NOKOMIS, FL 34274	
Date	10/17/11	NO CHANGE THIS SHEET
Drawn By	J.L.	NO CHANGE THIS SHEET
Checked By	J.R.	NO CHANGE THIS SHEET
Designed By	F.K.	ADD INTEGRAL FIN FRAME, ITEMS 41, 42 AND 43 AND VIEWS.
Revised By	J.L.	3/23/08



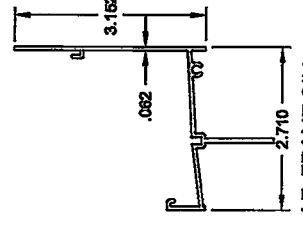
ITEM	DWG#	REV	DESCRIPTION	MAT'L	PG#
66	CLASS	13/16"	LAMI IG-1/8" A (MIN), 3/8" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" A)		
67	"	13/16"	LAMI IG-1/8" A (MIN), 3/8" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" HS)		
68	"	13/16"	LAMI IG-1/8" A (MIN), 3/8" AIR SPACE, 5/16" LAMI (1/8" HS, .090 PVB, 1/8" HS)		
69	"	13/16"	LAMI IG-3/16" A (MIN), 5/16" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" A)		
70	"	13/16"	LAMI IG-3/16" A (MIN), 5/16" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" HS)		
71	"	13/16"	LAMI IG-3/16" A (MIN), 5/16" AIR SPACE, 5/16" LAMI (1/8" HS, .090 PVB, 1/8" HS)		
72	"	13/16"	LAMI IG-1/8" A (MIN), 1/4" AIR SPACE, 7/16" LAMI (3/16" A, .090 PVB, 3/16" A)		
73	"	13/16"	LAMI IG-1/8" A (MIN), 1/4" AIR SPACE, 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)		
74	"	13/16"	LAMI IG-1/8" A (MIN), 1/4" AIR SPACE, 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)		
75	"	13/16"	LAMI IG-3/16" A (MIN), 3/16" AIR SPACE, 7/16" LAMI (3/16" A, .090 PVB, 3/16" A)		
76	"	13/16"	LAMI IG-3/16" A (MIN), 3/16" AIR SPACE, 7/16" LAMI (3/16" A, .090 PVB, 3/16" HS)		
77	"	13/16"	LAMI IG-3/16" A (MIN), 3/16" AIR SPACE, 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)		
90	1014		SCREEN FRAME (HOR. & VER.)	3105-H14 AL	
91	1630		SCREEN CORNER KEY W/RINGS	POLYPROP.	
92	1631		SCREEN CORNER KEY W/OUT RINGS	POLYPROP.	
93	1073		SCREEN SPRING	ST.ST.	
94	1624		SCREEN SPLINE - .135 DIA. FOAM	EM PVC	
95	1635		SCREEN SPLINE - .135 DIA. HARD	EM PVC	
96			SCREEN	CLOTH	



41 I.F. FRAME HEAD #4139, 6063-T6

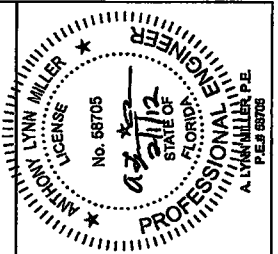


43 I.F. FRAME JAMB #4141, 6063-T6



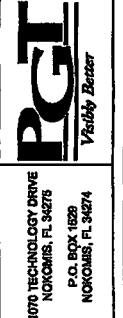
42 I.F. FRAME SILL #4140, 6063-T6

PRODUCT REVISED as complying with the Florida Building Code. Assemblies No. Approved by Department of Building, Miami Beach Product Control.

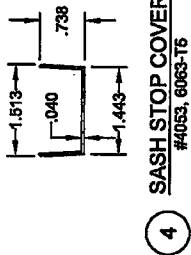
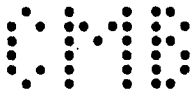


ITEM	DWG#	REV	DESCRIPTION	MAT'L	PG#
1	4102	A	FLANGE FRAME HEAD	6063-T6 AL	612237
2	4025		SASH STOP (STD.) (ANTI LIFT CLIP)	6063-T5 AL	612244
3			#8 X 3/4 PH. PAN HEAD		7834AA
4	4053		SASH STOP COVER (SASH STOP)	6063-T5 AL	
6	4136		FLANGE FRAME SILL	6063-T6 AL	64136
7	4137		SILL ADAPTOR	6063-T6 AL	64137
8	4131		ROLLER TRACK	6063-T6 AL	64131
10	71298		WEEP HOLE COVER	POLYPROP.	71298
12	1626		ADHESIVE OPEN CELL FOAM PAD	7PAD1626	
13	4002	A	FLANGE FRAME JAMB	6063-T6 AL	612225
14	4134		GASKET FOR MAIN FRAME SILL JOINT	74134W/K	
15	1155		#8 X 1.000 QUAD PN. SMS	781PQA	
16	4110	G	SCREEN ADAPTOR	6063-T5 AL	64110G
17	4054	B	FIXED MEETING RAIL	6063HD-T6 AL	64054A
19	4066		WSTP, .187 X .230, FIN SEAL	64066G	
21	4105		SASH TOP & BOTTOM RAIL	6063-T5 AL	612240
22	1683		WSTP, .250 X .270 BACK, FIN SEAL	61683G	
23	225-1		ROLLER HOUSING & GUIDE	42112HD	
24	226		BRASS ROLLER WHEELS	BRASS	7BRWHL2
29	4128		HORIZONTAL ROLLER SASH TOP GUIDE	POLYPROP.	44128N
32	4006	D	SASH MEETING RAIL	6063HS-T6 AL	64006
33	1235		WSTP, .170 X .270 BACK, FIN SEAL	67816G	
35	1096		SWEEP LATCH	DIE-CAST	71096
36	1016		#8 X .625 PH. FL. SMS	7858	
37	4126		SASH SIDE RAIL	6063-T5 AL	64126
38	1683		WSTP, .250 X .270 BACK, FIN SEAL	61683G	
39	7070		BULB WEATHERSTRIP .187 X .275	67070K	
40			LIFT RAIL COVER CAP	74078" C L OR R	
41	4139		I.F. FRAME HEAD	6063-T6 AL	64139
42	4140		I.F. FRAME SILL	6063-T6 AL	64140
43	4141		I.F. FRAME JAMB	6063-T6 AL	64141
50			GLAZING SILICONE, DOW 899, 995 OR EQUIVALENT		
51	1224		VINYL GLAZING BEAD BULB (THICK)	61P24TW.K	
52	1225		VINYL GLAZING BEAD BULB (THIN)	61P24BK	
53	4039	B	GLAZING BEAD - 5/16"	6063-T5 AL	64039B
54	4044	B	GLAZING BEAD - 5/16" W/GRILL KIT	6063-T5 AL	644703
55	4222	A	GLAZING BEAD - 7/16"	6063-T5 AL	64222
56	985	C	GLAZING BEAD - 7/16" W/GRILL KIT	6063-T5 AL	6985
59	4067		GLAZING BEAD - 13/16"	6063-T5 AL	64067
60	CLASS	5/16"	LAMI (1/8" A, .090 PVB, 1/8" A)		
61	"	5/16"	LAMI (1/8" A, .090 PVB, 1/8" HS)		
62	"	5/16"	LAMI (1/8" HS, .090 PVB, 1/8" HS)		
63	"	7/16"	LAMI (3/16" A, .090 PVB, 3/16" A)		
64	"	7/16"	LAMI (3/16" A, .090 PVB, 3/16" HS)		
65	"	7/16"	LAMI (3/16" HS, .090 PVB, 3/16" HS)		

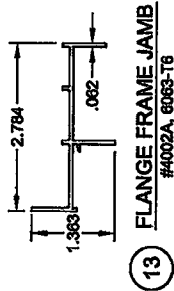
Part No.	QTY	DESCRIPTION	UNIT	REVISION
HR710	6	NTS	6	11
PARTS LIST				4127-10
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT				E



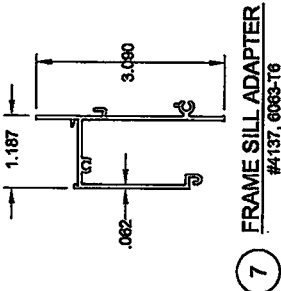
Date	By	Rev	Description
10/11/11	J.L.	E	NO CHANGE THIS SHEET
6/20/11	J.L.	D	ADDED "MINI" TO GLASS TYPES
4/16/07	F.K.	C	ADD ITEMS 41, 42 & 49
3/23/06	J.L.		



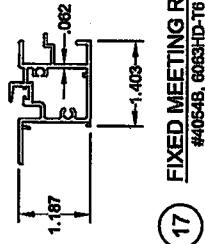
4 SASH STOP COVER
#4063, 6063-T6



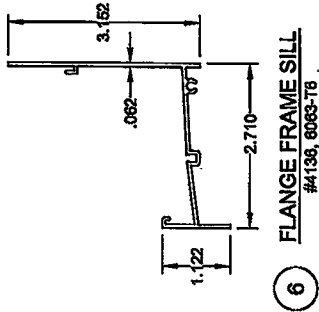
13 FLANGE FRAME JAMB
#4002A, 6063-T6



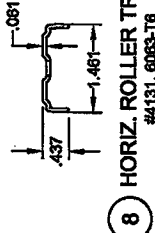
7 FRAME SILL ADAPTER
#4137, 6063-T6



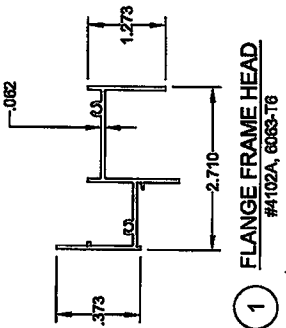
17 FIXED MEETING RAIL
#4054B, 6063HD-T6



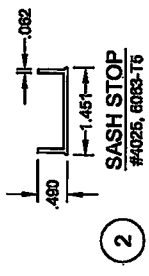
6 FLANGE FRAME SILL
#4138, 6063-T6



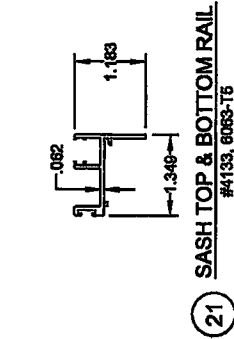
8 HORIZ. ROLLER TRACK
#4131, 6063-T6



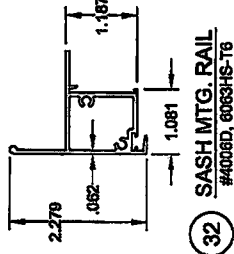
1 FLANGE FRAME HEAD
#4102A, 6063-T6



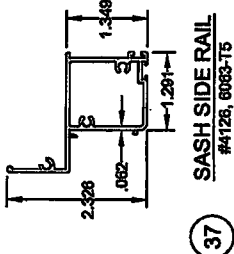
2 SASH STOP
#4026, 6063-T6



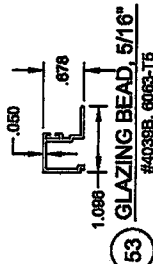
21 SASH TOP & BOTTOM RAIL
#4133, 6063-T6



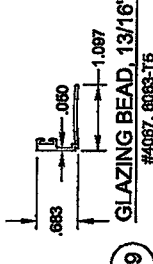
32 SASH MTG. RAIL
#4006D, 6063HS-T6



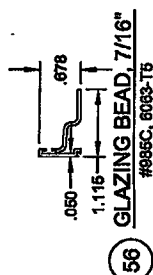
37 SASH SIDE RAIL
#4126, 6063-T6



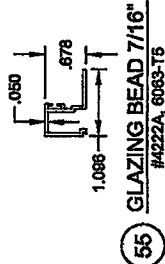
53 GLAZING BEAD, 5/16\"/>



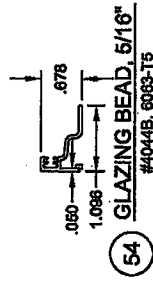
59 GLAZING BEAD, 13/16\"/>



56 GLAZING BEAD, 7/16\"/>

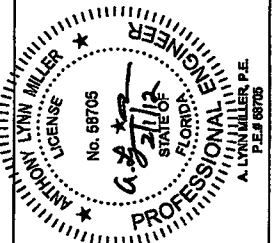


55 GLAZING BEAD 7/16\"/>



54 GLAZING BEAD, 5/16\"/>

PRODUCT REVISED
in full compliance with the Florida
Building Code, Florida
Agency No. 11-1114-04
Expiration Date 12/12/06
by
Michael Deane Product Control



Revision No.	Date	By	Check	Notes
1	10/17/11	J.J.	E	NO CHANGE THIS SHEET
2	6/20/11	J.R.	D	NO CHANGE THIS SHEET
3	4/16/07	F.K.	C	NO CHANGE THIS SHEET
4	2/28/08	F.K.	J.J.	3/23/08

Manufacturer	Extrusions
Product	ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
Model	HR110
Color	Half
Quantity	7 of 11
Order No.	4127-10
Rev.	E

Manufacturer	PGI
Product	ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
Model	HR110
Color	Half
Quantity	7 of 11
Order No.	4127-10
Rev.	E

ANCHOR QUANTITIES, XOX (1/4-1/2-1/4) WINDOWS

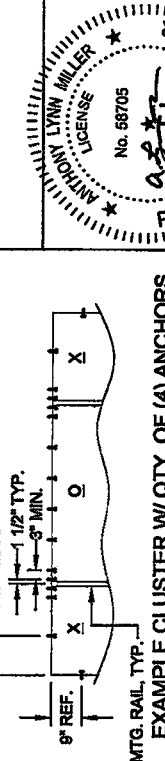
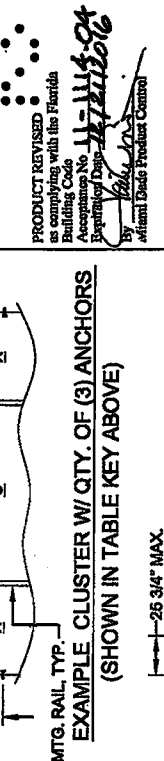
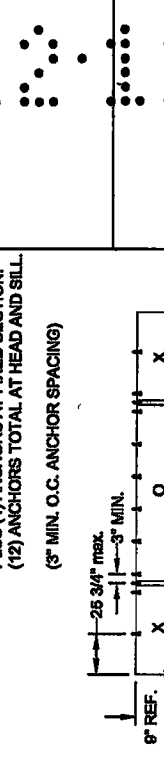
TABLE 4

GLASS TYPES A,B,C,G,H,I | GLASS TYPES D,E,F,J,K,L

ANCHOR TYPE & SUBSTRATE	2,3, WOOD ZONES		1, CONC ZONES		2,3, WOOD ZONES		2, CONC ZONES		1, CONC ZONES	
	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS
53,125 x 38,375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50,625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000 x 38,375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50,625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
74,000 x 38,375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50,625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
84,000 x 38,375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50,625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
108,375 x 38,375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50,625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
111,000 x 38,375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50,625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63,000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3

NOTES:

- ANCHOR TYPES:
1- 1/4" ELCO TAPCONS 2- 1/4" ELCO SS4 CRETE-FLEX 3- #12 STEEL SCREWS (66)
- GLASS TYPES:
A. 5/16" LAMI - (1/8" A, .080, 1/8" A)
B. 5/16" LAMI - (1/8" A, .080, 1/8" HS)
C. 5/16" LAMI - (3/16" A, .080, 3/16" HS)
D. 7/16" LAMI - (3/16" A, .080, 3/16" A)
E. 7/16" LAMI - (3/16" A, .080, 3/16" HS)
F. 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
G. 13/16" LAMI (G - 1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A, .080, 1/8" A)
H. 13/16" LAMI (G - 1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS, .080, 1/8" HS)
I. 13/16" LAMI (G - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .080, 3/16" A)
J. 13/16" LAMI (G - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
K. 13/16" LAMI (G - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
L. 13/16" LAMI (G - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
- WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.
HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE.
26 3/4" MAX. FROM CORNERS.
JAMBS: 9" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.
TABLE KEY:
A O X
1+C3+4+C3+1 3 ANCHOR QUANTITY PER JAMB
HEAD AND SILL ANCHOR QUANTITY.
A CLUSTER OF (3) ANCHORS CENTERED AT EACH MEETING RAIL PLUS (1) ANCHOR AT EACH OPERABLE VENT PLUS (4) ANCHORS AT FIXED SECTION. (12) ANCHORS TOTAL AT HEAD AND SILL. (3" MIN. O.C. ANCHOR SPACING)



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 1-115-04
Expiring Date: 12/31/2016
By: [Signature]
Professional Engineer
Lynn Miller
No. 68705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Lynn Miller, P.E.
A. LYN MILLER, P.E.
P. E.# 80706

ANCHORAGE SPACING, XOX (1/4-1/2-1/4)

ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Model No.	1070	Scale	1/8" = 1'-0"
Drawn By	J.J.	Check	J.J.
Revised By	J.R.	Date	8/20/11
Checked By	F.K.	Date	4/16/07
Drawn For	P.F.	Date	2/28/08
Project	1070	Sheet	6 of 11
Job	NTS	Date	4/27-10
Scale	NTS	Sheet	E

PGI

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 32765
P.O. BOX 1658
NOKOMIS, FL 32764

Visit Us Often

NO CHANGE THIS SHEET
ADDED IS GAP TO BE TEMPERED @ 3/8\"/>

TABLE 6
ANCHOR QUANTITIES, XO & OX WINDOWS

ANCHOR TYPE & SUBSTRATE	GLASS TYPES A,B,G,H						GLASS TYPES C,D,E,F,I,J,K,L						
	2.3, WOOD		2, CONC		1, CONC		2.3, WOOD		2, CONC		1, CONC		
WINDOW SIZE W x V x H	ZONES	JAMBS	HEAD	SILL	ZONES	JAMBS	HEAD	SILL	ZONES	JAMBS	HEAD	SILL	ZONES
37,000 x 38,375	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1
48,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
50,625	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
54,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
60,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
63,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
48,000 x 38,375	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1
48,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
50,625	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
54,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
60,000	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1
63,000	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1
53,125 x 38,375	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1
48,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
50,625	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
54,000	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1
60,000	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1
63,000	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1
60,000 x 38,375	1+C2+1	3	1+C2+1	2	1+C2+1	2	1+C2+1	3	1+C2+1	2	1+C2+1	2	1+C2+1
48,000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1
50,625	1+C3+1	4	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C3+1
54,000	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1
60,000	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1
63,000	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1	4	1+C3+1	3	1+C3+1	3	1+C3+1
66,000 x 38,375	2+C2+2	3	1+C2+1	2	2+C2+2	3	1+C2+1	2	2+C2+2	3	1+C2+1	2	2+C2+2
48,000	2+C2+2	4	1+C2+1	3	2+C2+2	3	1+C2+1	3	2+C2+2	4	1+C2+1	3	2+C2+2
50,625	2+C3+2	4	1+C2+1	3	2+C3+2	3	1+C2+1	3	2+C3+2	4	1+C2+1	3	2+C3+2
54,000	2+C3+2	4	1+C2+1	3	2+C3+2	3	1+C2+1	3	2+C3+2	4	1+C2+1	3	2+C3+2
60,000	2+C3+2	4	1+C3+1	3	2+C3+2	4	1+C3+1	4	2+C3+2	4	1+C3+1	3	2+C3+2
63,000	1+C3+1	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
74,000 x 38,375	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	2	2+C2+2
48,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
50,625	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
54,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
60,000	2+C3+2	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
63,000	1+C3+1	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
66,000 x 38,375	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	2	2+C2+2
48,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
50,625	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
54,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
60,000	2+C3+2	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
63,000	1+C3+1	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
66,000 x 38,375	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	2	2+C2+2
48,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
50,625	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
54,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
60,000	2+C3+2	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
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48,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
50,625	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
54,000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C2+2	4	2+C3+2	3	2+C3+2	3	2+C3+2
60,000	2+C3+2	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2
63,000	1+C3+1	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	2+C4+2	4	1+C3+1	3	2+C4+2

10/17/11
 J.J.
 6/20/11
 J.R.
 4/16/07
 P.K.
 2/28/08
 F.S.

NO CHANGE THIS SHEET
 ADDDED IG CAP TO BE TEMPERED @ 1/2" NOTE.
 CHG. TABLE # TO 6, & SELECT VALUES DUE TO ANCHOR CAP. ADD.

1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34270
 P.O. BOX 1659
 NOKOMIS, FL 34274

PCT
 Visibly Better

ANCHORAGE SPACING, OX AND XO WINDOWS
 ALLUM. HORIZONTAL ROLLER WINDOW, IMPACT
 Substrate: NTS
 Date: 10 of 11
 Drawing No.: 4127-10
 E

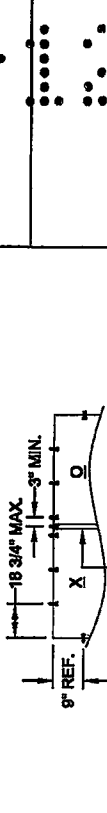
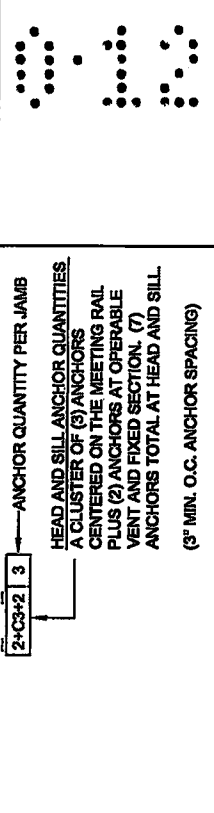
NOTES:

- ANCHOR TYPES:
1 - 1/4" ELCO TAPCONS 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREWS (66)
- GLASS TYPES:
A. 5/16" LAMI - (1/8" A, .080, 1/8" A)
B. 5/16" LAMI - (1/8" A, .080, 1/8" HS)
C. 5/16" LAMI - (3/16" HS, .080, 3/16" A)
D. 7/16" LAMI - (3/16" HS, .080, 3/16" A)
E. 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
F. 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
G. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A, .080, 1/8" A)
H. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS, .080, 1/8" HS)
I. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS, .080, 1/8" HS)
J. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .080, 3/16" A)
K. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .080, 3/16" HS)
L. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN.), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .080, 3/16" HS)

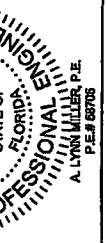
FOR INSTALLATION IN THE HVHZ ABOVE 30 FT. GLASS TYPES G - L SHALL HAVE A TEMPERED I.G. GLASS CAP. BOTH THE DP AND ANCHOR QUANTITY REMAIN UNCHANGED.

- WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.
HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE.
JAMBS: 9" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.

TABLE KEY: $\frac{O}{X}$ ANCHOR QUANTITY PER JAMB

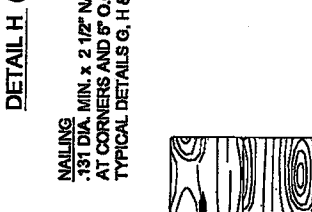
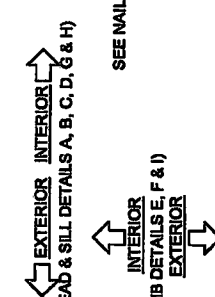
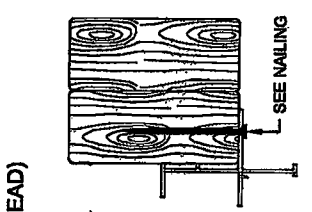
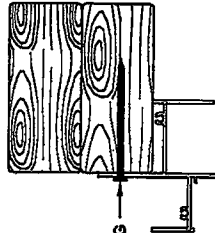
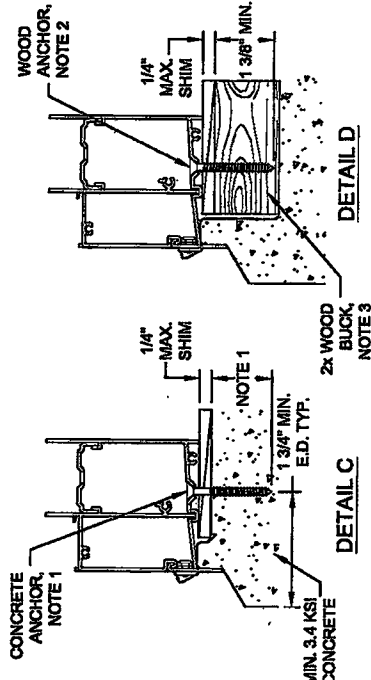
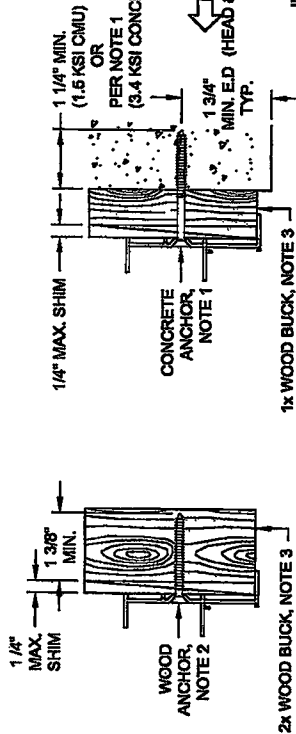
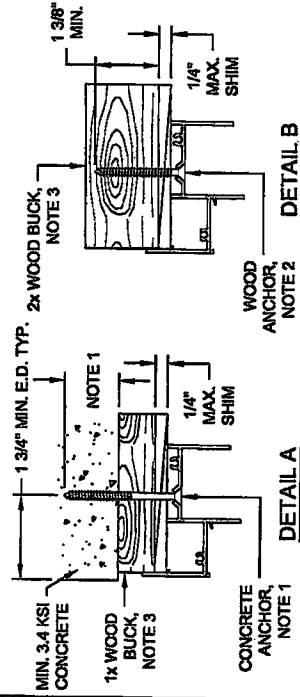


PRODUCT REVISED as complying with the Florida Building Code Amendments No. 11-2119.04 by [Signature] Miami Trade Products Control



NOTES:

- FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS EMBEDDED 1 3/8" MIN. OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". FLATHEAD ANCHORS MUST BE #12 TRIMFIT HEAD.
- FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G6) OR 1/4" SS4 CRETE-FLEX WITH #12 TRIMFIT HEAD.
- WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
- FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T6 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ANCHOR TYPE 2 MAY BE USED.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.



TYPICAL INTEGRAL FIN FRAME SECTIONS

<p>1070 TECHNOLOGY DRIVE NOKOMIS, FL 34675 P.O. BOX 1699 NOKOMIS, FL 34674</p>	<p>RGT Vestibly Builder</p>	<p>11 of 11</p>	<p>4127-10</p>	<p>E</p>
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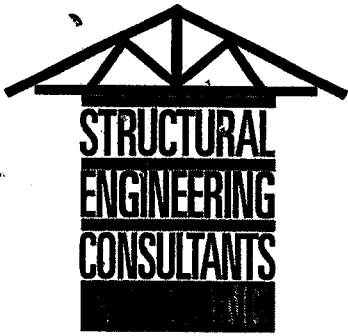
<p>NO CHANGE THIS SHEET</p>	<p>NO CHANGE THIS SHEET</p>
<p>REVISE NOTES 1 & 2 REGARDING TRIMFIT HD. & EMBEDMENT.</p>	<p>ADD LF. FRAME. CHG. NOTE 5 TO FSC. CURRENT EDITION.</p>
<p>DATE: 10/17/11</p>	<p>DATE: 3/23/08</p>
<p>BY: J.L.</p>	<p>BY: J.L.</p>
<p>CHK: J.R.</p>	<p>CHK: J.R.</p>
<p>APP: F.K.</p>	<p>APP: F.K.</p>

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-1114-04 by Miami Dade Product Control

11-1114-04

11-11-2016

ANTHONY LYNN MILLER
No. 58705
FLORIDA
STATE OF
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 89706



WIND CALCULATIONS

INSTALLER:

ASTOR WINDOWS & DOORS

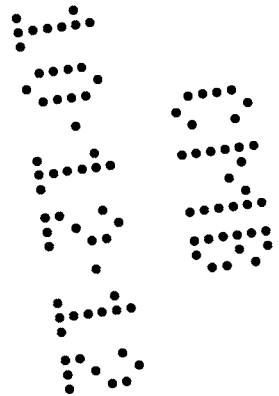
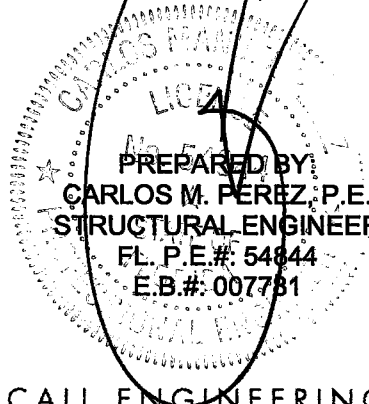
7330 S.W. 42ND STREET
MIAMI, FLORIDA 33155
PHONE: (305) 328-9138
FAX: (305) 418-7541
WEBSITE: WWW.ASTORWINDOWS.COM

PROJECT:

IMPACT WINDOW/ DOOR INSTALLATION AT:

790 LAKEVIEW DRIVE
MIAMI BEACH, FLORIDA
MIAMI-DADE COUNTY

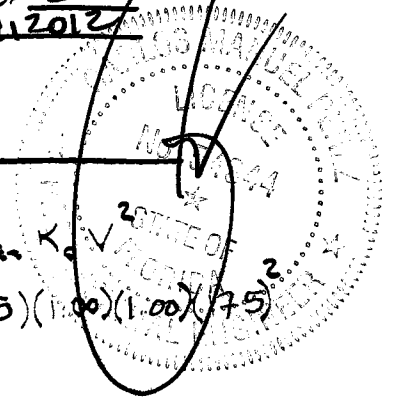
OCTOBER 4, 2012



"YOUR ON-CALL ENGINEERING COMPANY"

9420 S.W. 112TH STREET, MIAMI, FLORIDA 33176
Tel: (786) 242-1720 - Fax: (786) 242-4399

DESIGN CALCULATIONS



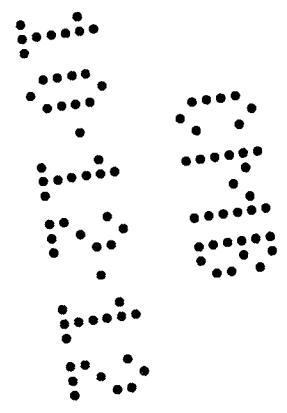
- CODE: ASCE 7-10
- WIND VELOCITY = 175 MPH
- EXPOSURE CATEGORY = D
- RISK CATEGORY = II

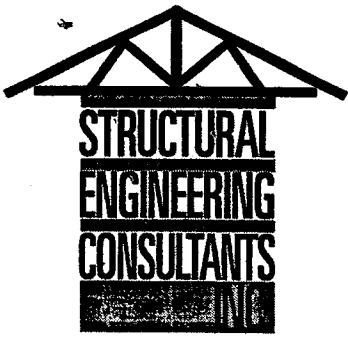
- $q_h = 0.00256 K_h K_{zt} K_d V^2$
- $q_h = 0.00256 (1.105) (1.00) (1.00) (175)^2$
- $q_h = 86.7 \text{ PSF}$

- $K_d = 1.00$; $K_{zt} = 1.00$
- VELOCITY PRESS. EXPOSURE COEF. (K_h) = 1.105
(FROM TABLE 30.3-1)
- ROOF SLOPE = 4/12
- BLDG. "W" @ NARROWEST DIM. = 60'-8"
- MEAN ROOF HEIGHT (h) = 22'-6"
- a (CORNER DISTANCE FOR ZONE 5):
 $a = 0.4 \times 22'-6" = 9'-0"$
 $a = 0.1 \times 60'-8" = 6'-1" \leftarrow$

- $P_{net} = [q_h (GC_p) \pm q_h (GC_e)] \times 0.60$
- * WHERE $GC_e = \pm 0.18$

ZONE:	WINDOWS CRT. AREA = 10 ϕ		DOORS CRT. AREA = 19 ϕ	
	4	5	4	5
$GC_p(+)$	1.00	1.00	0.951	0.951
$GC_p(-)$	-1.10	-1.40	-1.051	-1.302
PRESSURE (+) PSF ALL	+61.4	+61.4	+58.8	+58.8
SUCTION (-) PSF ALL	-66.5	-82.1	-64.0	-77.0





October 4, 2012

City of Miami Beach
Building Department
Miami-Dade County, Florida

Job: Impact Window / Door Installation at:
790 Lakeview Drive, Miami Beach, Florida
RE: Window / Door Units Design Wind Pressures

Dear Sirs:

We hereby attest to the best of our knowledge, belief, and professional judgment that according to the above referenced building's configuration, height, and category that the maximum design pressures for exterior openings are:

WINDOWS:

Positive Design Pressure (Zone 4): 61.4 psf
Negative Design Pressure (Zone 4): 66.5 psf
Positive Design Pressure (Zone 5): 61.4 psf
Negative Design Pressure (Zone 5): 82.1 psf

DOORS:

Positive Design Pressure (Zone 4): 58.8 psf
Negative Design Pressure (Zone 4): 64.0 psf
Positive Design Pressure (Zone 5): 58.8 psf
Negative Design Pressure (Zone 5): 77.0 psf

NOTE: "Zone 5" pressures are applicable to openings that are within 6'-1" of building corners - Refer to calculations.

The above stated design pressures have been determined in accordance with ASCE 7-10 based on the following criteria:

- * Risk Category: II
- * Exposure Category: D
- * Building Mean Roof Height: 22'-6"
- * Basic Wind Speed: 175 mph

Anchor spacings and installation of glazing / window and mullion systems to main structure must be in strict accordance with the Product Control N.O.A. and have not been independently verified by Structural Engineering Consultants, Inc.

If you should happen to have any questions or concerns regarding this or any other matter, please do not hesitate to contact us.

Sincerely,
STRUCTURAL ENGINEERING CONSULTANTS, INC. (E.B.#: 007781)

10/04/12

Carlos M. Perez, P.E., Structural Engineer
FL P.E.#: 54844

"YOUR ON-CALL ENGINEERING COMPANY"

09

14313

B300223

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY

THE FOLLOWING:
A. Cortez

JOB NAME :

RESIDENCE

790 LAKE VIEW DRIVE

MIAMI BEACH , FL

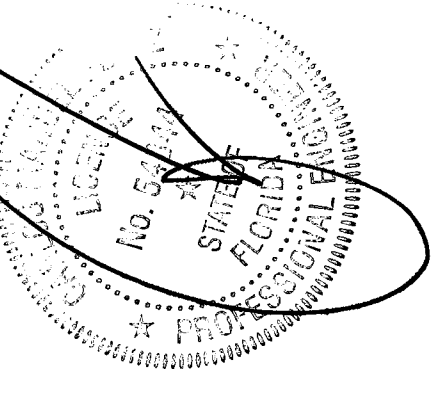
790 Lakeview Dr.

10/12/12
AV 10/12/12

additional restrictions may be found in the Public Records Department. 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.

STRUCTURAL ENGINEERING CONSULTANTS, INC.
CERTIFICATE OF AUTH. NO. EB-0007781
CARLOS MANUEL PEREZ, P.E.
STRUCTURAL ENGINEER
FLORIDA P.E. No. 54844

OCT 05 2012

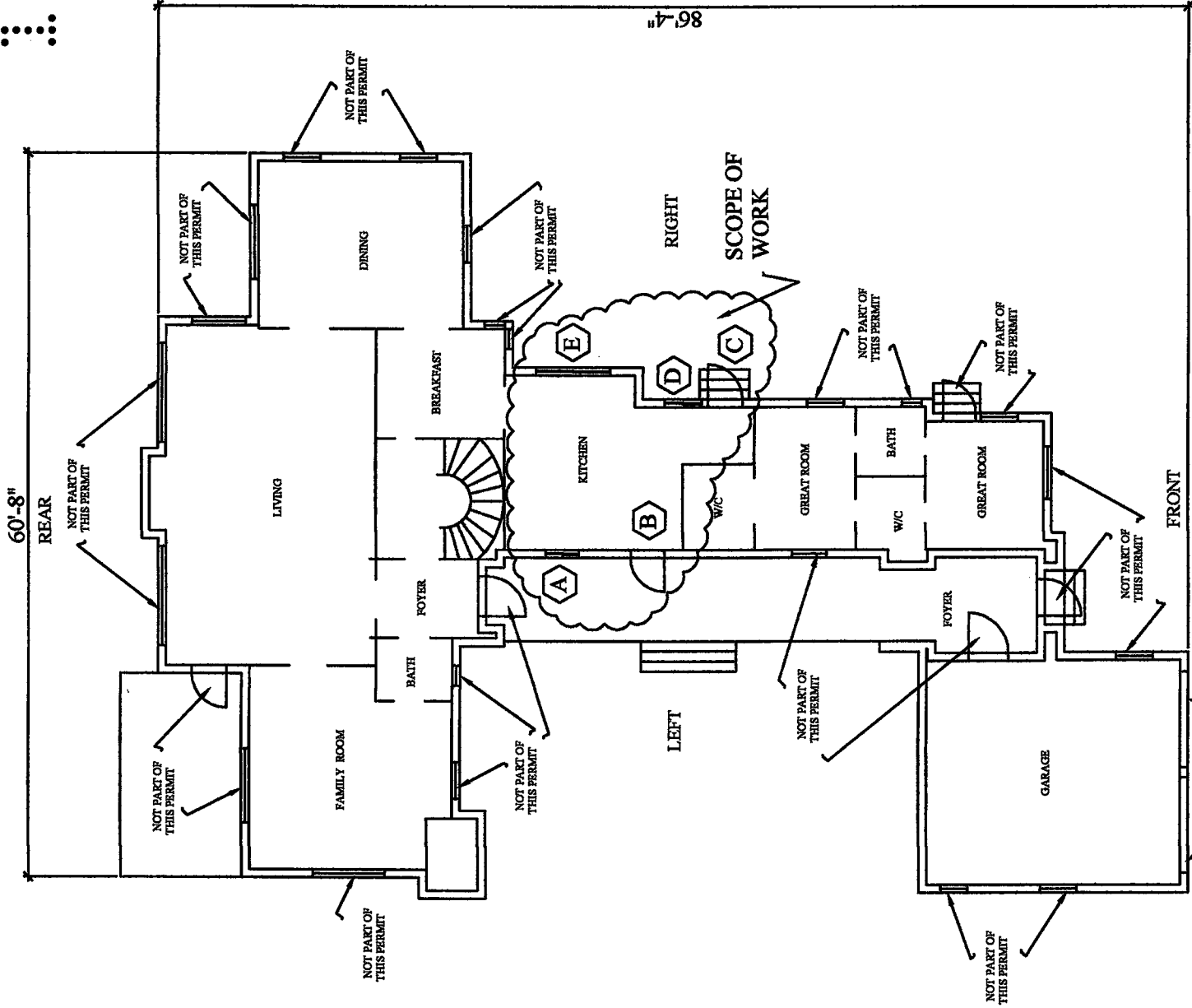


0913

REVISION:

ARCHITECT: PROJECT: RESIDENCE LOCATION: 790 LAKE VIEW DRIVE MIAMI BEACH, FL.

DATE: 10/05/12 SCALE: 3/16" = 1' DWG. BY: M.R.Z. JOB #: 10-2012 1 of 4

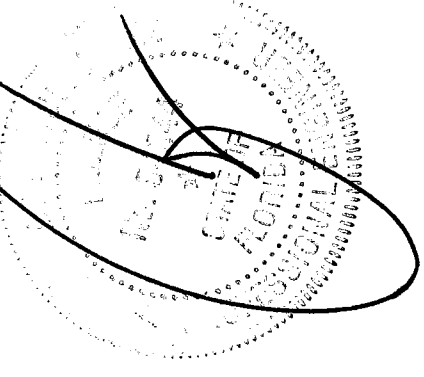


NOTE: MEAN ROOF HEIGHT : 22'-6" ROOF TYPE : 4 : 12

FIRST FLOOR

SPENCER CONSULTANTS, INC. STRUCTURAL ENGINEER FLORIDA P.E. NO. 54044

OCT 05 2012



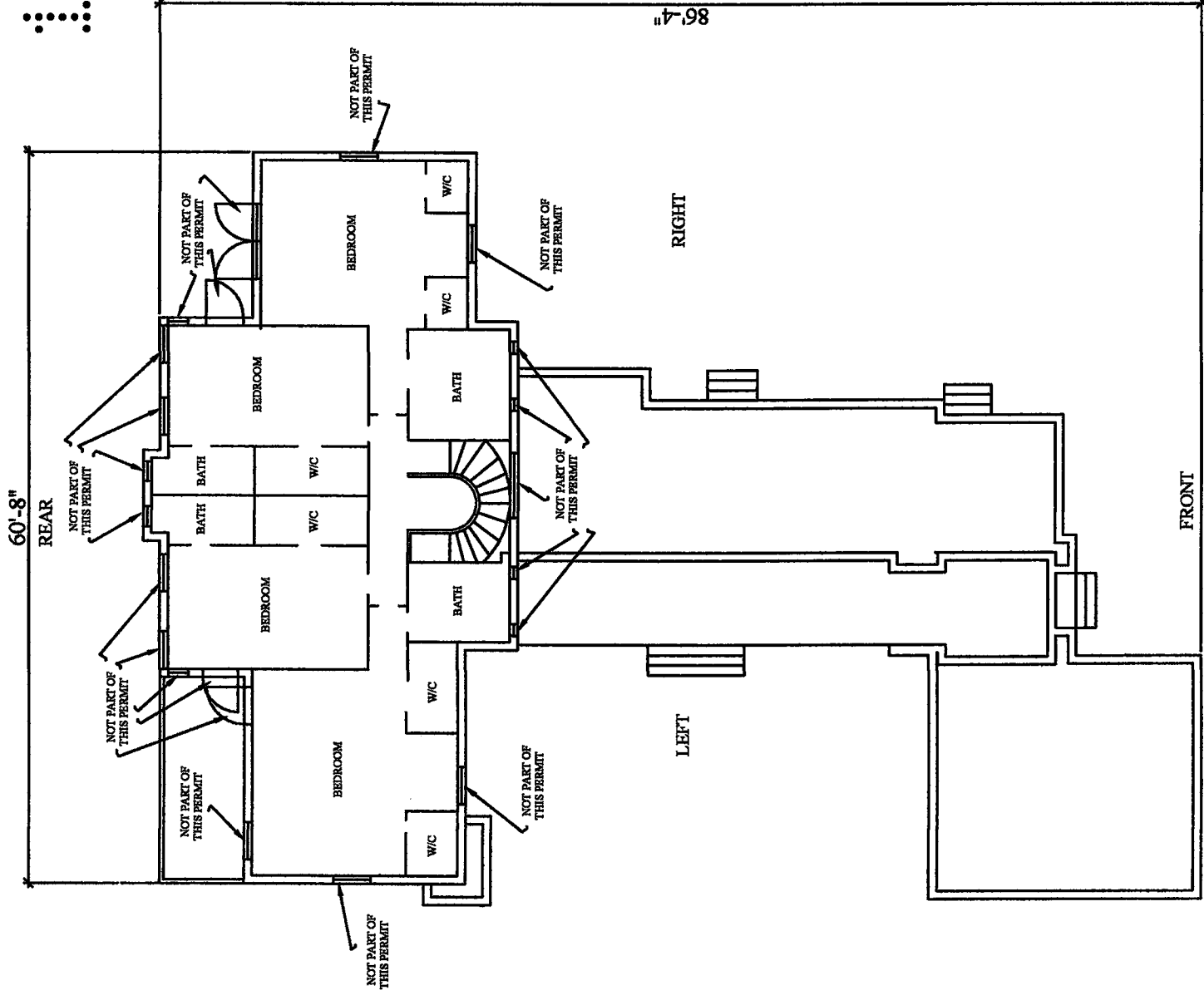
093

093

REVISION:

ARCHITECT: RESIDENCE
PROJECT: MIAMI BEACH, FL.
LOCATION: 790 LAKE VIEW DRIVE

DATE: 10/05/12
SCALE: 3/16" = 1'
DWG. BY: M.R.Z.
JOB #: 10-2012
2 of 4

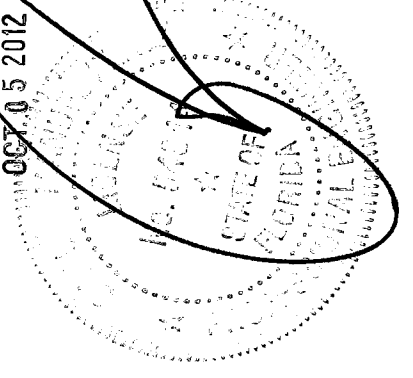


NOTE:
MEAN ROOF HEIGHT : 22'-6"
ROOF TYPE : 4 : 12

SECOND FLOOR

STRUCTURAL ENGINEERING CONSULTANTS, INC.
CERTIFICATE OF AUTH. No. EB-0007781
CARLOS MANUEL PEREZ, P.E.
STRUCTURAL ENGINEER
FLORIDA P.E. No. 54814

OCT 05 2012



09033

REVISION:

ARCHITECT:
PROJECT: RESIDENCE
LOCATION: 790 LAKE VIEW DRIVE
MIAMI BEACH, FL.

DATE: 10/05/12
SCALE: 3/16" = 1'
DWG. BY: M.R.Z.
JOB #: 10-2012

3 of 4

NOTE 1: WINDOW FRAMES/MULLION ANCHORAGE TO MAIN STRUCTURE SHALL BE IN STRICT ACCORDANCE WITH THE UNIT'S NOTICE OF ACCEPTANCE-REFER TO PRODUCTS CONTROLS.

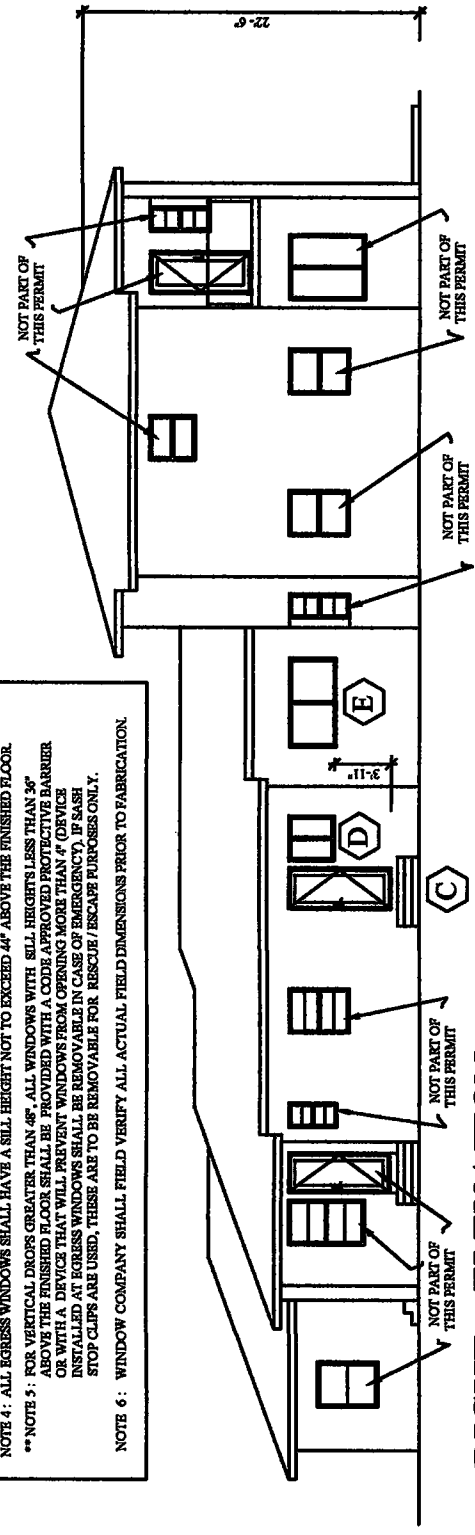
NOTE 2: ONLY THE OPENINGS THAT ARE IDENTIFIED WITH THEIR PRODUCTS CONTROL N.O.A. DESIGN PRESSURES, AND SIZE ARE PART OF THIS PERMIT. ALL OTHER OPENINGS ARE NOT PART OF THIS PERMIT.

NOTE 3: THE MAIN WIND FORCE RESISTING SYSTEM OF THE STRUCTURE (E. BEAMS/COLUMNS/FRAMING/E.T.C) SHALL BE DESIGNED BY OTHERS. THE DESIGNER SHALL UNDERSTAND THE LOADS FORCED BY THE GLAZING. NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THEIR ADEQUACY.

NOTE 4: ALL EGRESS WINDOWS SHALL HAVE A SILL HEIGHT NOT TO EXCEED 44" ABOVE THE FINISHED FLOOR.

**NOTE 5: FOR VERTICAL DROPS GREATER THAN 48" ALL WINDOWS WITH SILL HEIGHTS LESS THAN 36" ABOVE THE FINISHED FLOOR SHALL BE PROVIDED WITH A CODE APPROVED PROTECTIVE BARRIER OR WITH A DEVICE THAT WILL PREVENT WINDOWS FROM OPENING MORE THAN 4" (DEVICE INSTALLED AT EGRESS WINDOWS SHALL BE REMOVABLE IN CASE OF EMERGENCY). IF SASH STOP CLIPS ARE USED, THESE ARE TO BE REMOVABLE FOR RESCUE / ESCAPE PURPOSES ONLY.

NOTE 6: WINDOW COMPANY SHALL FIELD VERIFY ALL ACTUAL FIELD DIMENSIONS PRIOR TO FABRICATION.

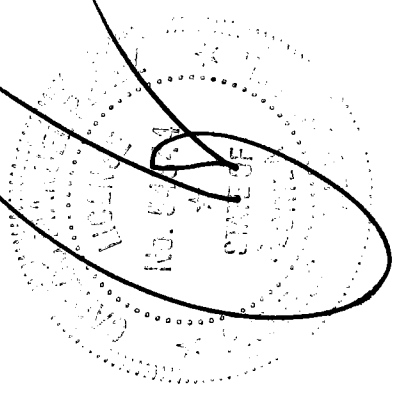


RIGHT ELEVATION

- D 37" X 38-3/8" (XO)
* HR-710P ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.
N.O.A.: 11-111404
ZONE 4: +61.4 -66.5
GLAZING: 5/16" LAMINATED IMPACT RESISTANT GLASS
.090 DUPONT BUTACITE OR SAFLEX KEEPSAFE
MAXIMUM INTERLAYER
INTERIOR LITE: 1/8" ANN. GLASS
- E 74" X 38-3/8" (XO)
* HR-710P ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.
N.O.A.: 11-111404
ZONE 4: +61.4 -66.5
GLAZING: 5/16" LAMINATED IMPACT RESISTANT GLASS
.090 DUPONT BUTACITE OR SAFLEX KEEPSAFE
MAXIMUM INTERLAYER
INTERIOR LITE: 1/8" ANN. GLASS
- C 34-1/2" X 85" (NOMINAL)
FD-101 OUTSWING FRENCH DOOR-L.M.I.
N.O.A.: 12-051602
ZONE 4: +98.8 -64.0
GLAZING: 3/8" LAMINATED IMPACT RESISTANT GLASS
EXTERIOR LITE: 1/8" ANN. GLASS
.090 DUPONT BUTACITE OR SAFLEX KEEPSAFE
MAXIMUM INTERLAYER
INTERIOR LITE: 3/16" THS. GLASS

CONSTRUCTION CONSULTANTS, INC.
REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
CARRIOS MANUEL PEREZ, P.E.
STRUCTURAL ENGINEER
FLORIDA P.E. No. 54874

OCT 05 2012



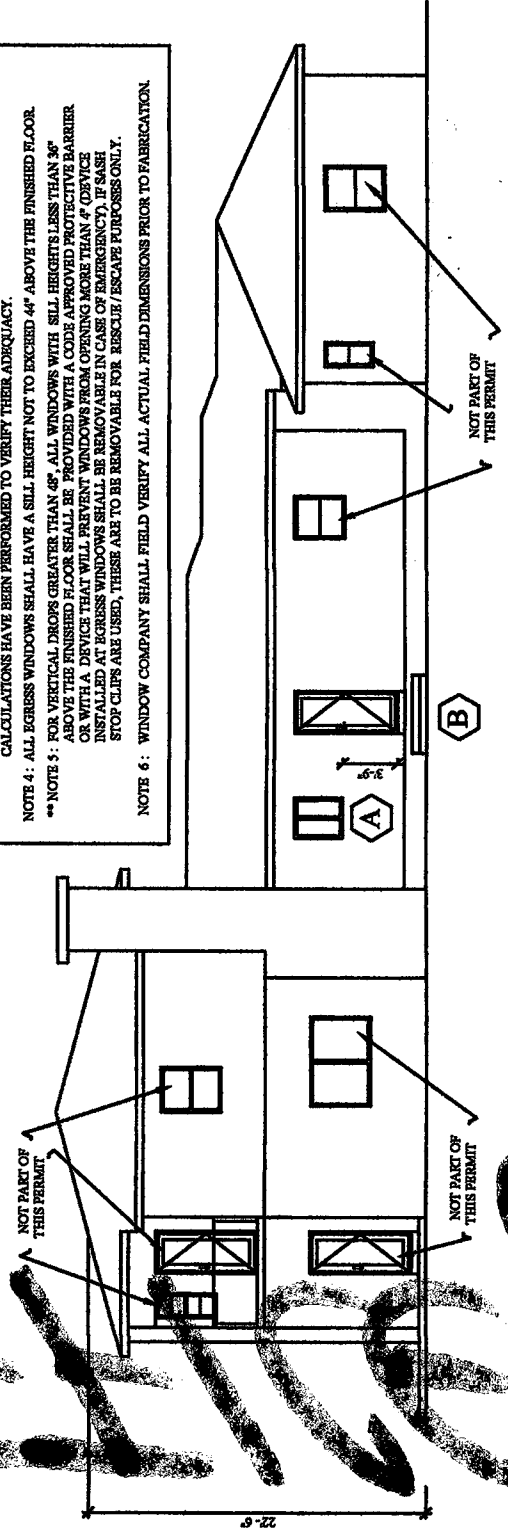
0803

REVISION:

ARCHITECT: PROJECT: RESIDENCE
 LOCATION: 790 LAKE VIEW DRIVE
 MIAMI BEACH, FL.

DATE: 10/05/12
 SCALE: 3/16" = 1'
 DWG. BY: MR.Z.
 JOB #: 10-2012
 4 of 4

NOTE 1: WINDOW FRAMES/MULLION ANCHORAGE TO MAIN STRUCTURE SHALL BE IN STRICT ACCORDANCE WITH THE UNIT'S NOTICE OF ACCEPTANCE-REFER TO PRODUCTS CONTROLS N.O.A. DESIGN PRESSURES, AND SIZE ARE PART OF THIS PERMIT. ALL OTHER OPENINGS ARE NOT PART OF THIS PERMIT.
 NOTE 2: ONLY THE OPENINGS THAT ARE IDENTIFIED WITH THEIR PRODUCTS CONTROL N.O.A. DESIGN PRESSURES, AND SIZE ARE PART OF THIS PERMIT. ALL OTHER OPENINGS ARE NOT PART OF THIS PERMIT.
 NOTE 3: THE MAIN WIND FORCE RESISTING SYSTEM OF THE STRUCTURE (I.E. BEAMS, COLUMNS, FRAMING, ETC) SHALL BE IDENTIFIED BY OWNER TO THE ARCHITECT AND THE ARCHITECT SHALL VERIFY THAT THE CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THEIR ADEQUACY.
 NOTE 4: ALL EGRESS WINDOWS SHALL HAVE A SILL HEIGHT NOT TO EXCEED 4" ABOVE THE FINISHED FLOOR.
 ** NOTE 5: FOR VERTICAL DROPS GREATER THAN 48". ALL WINDOWS WITH SILL HEIGHTS LESS THAN 36" ABOVE THE FINISHED FLOOR SHALL BE PROVIDED WITH A CODE APPROVED PROTECTIVE BARRIER OR WITH A DEVICE THAT WILL PREVENT WINDOWS FROM OPENING MORE THAN 4" (DEVICE INSTALLED AT EGRESS WINDOWS SHALL BE REMOVABLE IN CASE OF EMERGENCY). IF SASH STOP CLIPS ARE USED, THESE ARE TO BE REMOVABLE FOR RESCUE / ESCAPE PURPOSES ONLY.
 NOTE 6: WINDOW COMPANY SHALL VERIFY ALL ACTUAL FIELD DIMENSIONS PRIOR TO FABRICATION.



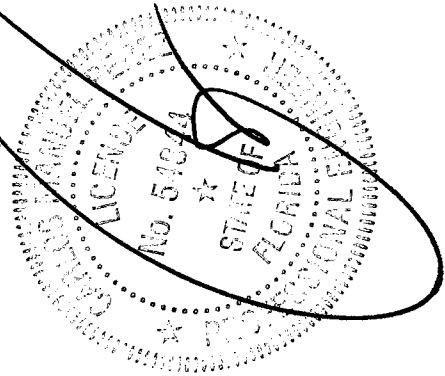
LEFT ELEVATION

"B" 33'-5 1/2" (NOMINAL)
 FD-101 OUTSWING FRENCH DOOR-L.M.L.
 1000 LITE 1/8" ANN. GLASS
 GLAZING: 3/8" LAMINATED IMPACT RESISTANT GLASS
 EXTERIOR LITE: 1/8" ANN. GLASS
 090 DUJONT BUTACTE PVB OR SAFLEX
 KEEPRAE MAXIMUM INTERLAYER
 INTERIOR LITE: 3/16" H.S. GLASS

33" X 36 1/2" (C.O.)
 1000 LITE 1/8" ANN. GLASS
 GLAZING: 3/8" LAMINATED IMPACT RESISTANT GLASS
 EXTERIOR LITE: 1/8" ANN. GLASS
 090 DUJONT BUTACTE OR SAFLEX KEEPRAE
 MAXIMUM INTERLAYER
 INTERIOR LITE: 1/8" ANN. GLASS

STRUCTURAL ENGINEERING CONSULTANTS, INC.
 CERTIFICATE OF AUTH. NO. EG-0007781
 CARLOS MANUEL PEREZ, P.E.
 STRUCTURAL ENGINEER
 FLORIDA P.E. NO. 54044

OCT 05 2012



Handwritten signature: CARLOS MANUEL PEREZ

B1300 223

790 LAKEVIEW
SR

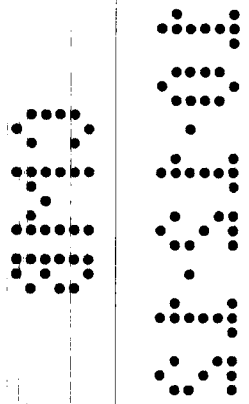
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OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY

THE
A. M. Wilk

BUILDING:
ZONING:
DRENGTH:
COM:
EL:
EL:
ME:
PLUMBING:
ELECTRICAL:
MECHANICAL:
PUMPS:
TANKS:
TUBS:
WATER:
SEWER:
GAS:
RADIATION:
SOUND:
VIBRATION:
WIND:
FLOODING:
ICE:
HAIL:
LIGHTNING:
TORNADO:
OTHER:

10/12/12
A. M. Wilk



NEW ELECTRICAL PANEL SCHEDULE "A"											
TYPE : PANEL BOARD			MOUNTING : SURFACE			LOCATION : REFER TO FLOOR PLAN			22,000 A.I.C.		
MOUNTING : SURFACE			MOUNTING : SURFACE			MOUNTING : SURFACE			MOUNTING : SURFACE		
DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE TRIP	CKT. No.	A	B	CKT. No.	POLE TRIP	LOAD (V.A.)	WIRE & COND. SIZE	DESCRIPTION
AHU-1	#10-1 1/2"	SEE CALC.	2	1			2	1	20	**#12-1/2"	EXISTING
SMALL APPLIANCES	#12-1/2"		1	20			4	1	20	**#12-1/2"	EXISTING
SMALL APPLIANCES	#12-1/2"		1	20			6	2	30	**#10-1/2"	WATER HEATER
REFRIGERATOR	#12-1/2"		1	20			8	1	20		
SPACE				11			10	2	30	**#10-1/2"	EXISTING AHU-12
MICROWAVE	#12-1/2"		1	20			12	2	30	**#10-1/2"	EXISTING C/U-2
HOOD FAN	#12-1/2"		1	20			14	2	30	**#10-1/2"	EXISTING C/U-2
DISHWASHER	#12-1/2"		1	20			16	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			18	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			20	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			22	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			24	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			26	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			28	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			30	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			32	1	20	**#12-1/2"	EXISTING
EXISTING	**#12-1/2"		1	20			34	1	20	**#12-1/2"	EXISTING
C/U-1 (NON COINCIDENT)	#8-3/4"		2	35			36	1	20	**#12-1/2"	EXISTING
EXTERIOR GFI	#12-1/2"		1	20			38	2	60	#6-1"	RANGE OVEN
				41			40	2	60	#6-1"	RANGE OVEN
				41			42				

NOTE: PROVIDE ARC FAULT INTERRUPTION TYPE CIRCUIT BREAKER FOR ALL NEW RECEPTACLES EXCEPT KITCHEN, GARAGE, GFI & EXTERIOR, ACCORDING NEC 210.

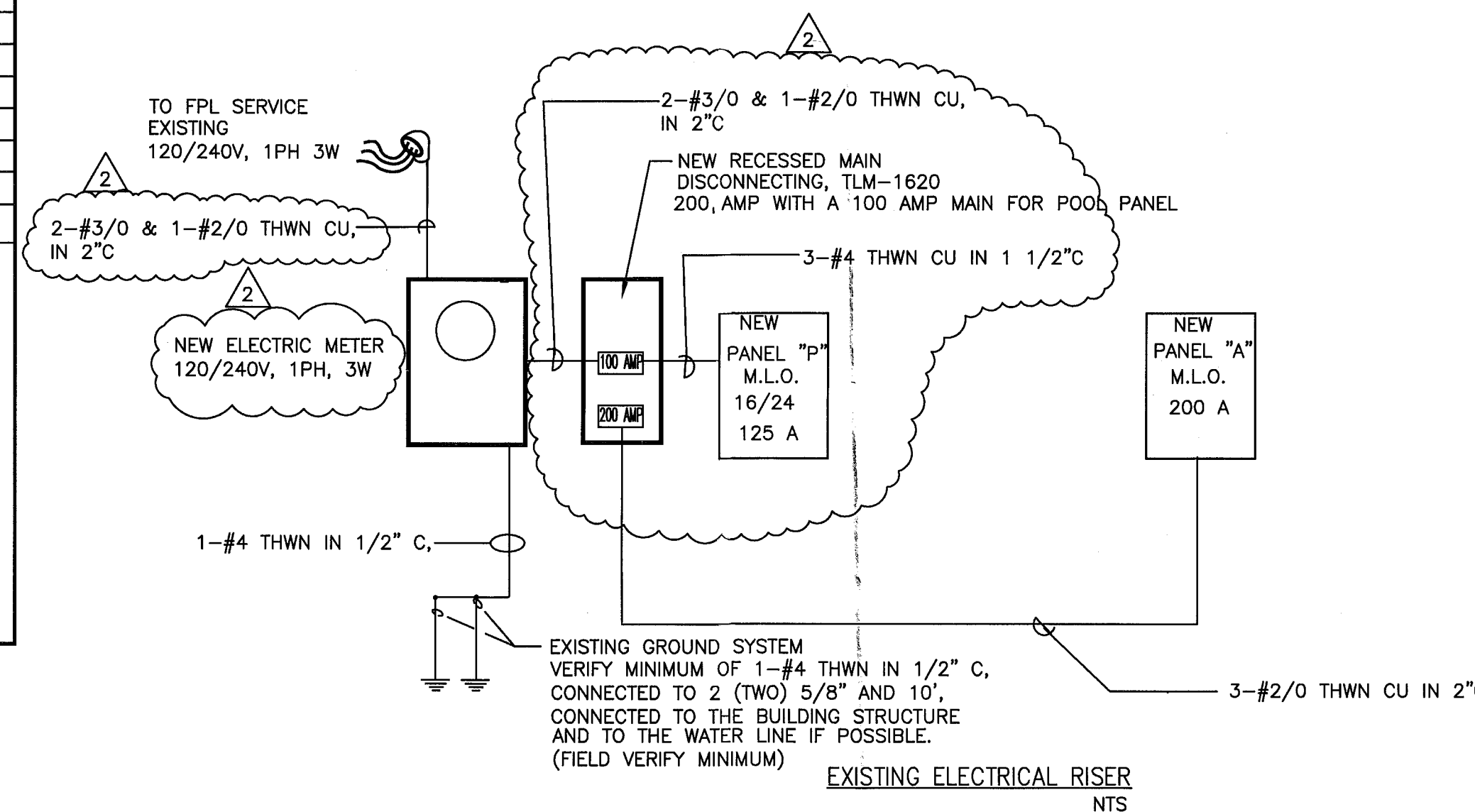
SECTION 406.11.- NEW 15 AND 20A RECEPTACLES TO BE LISTED TAMPER RESISTANT RECEPTACLES.

LOAD CALCULATION PANEL "A"
 AREA S.F. = 3,000 S.F. AT 3 VA/S.F. = 9,000 VA
 SMALL APPLIANCES = 2x1,500 = 3,000
 MICROWAVE = 1,000 VA
 RANGE OVEN = 12,000 VA
 REFRIGERATOR = 1,000 VA
 FAN HOOD = 1,200 VA
 DISHWASHER = 1,200 VA
 WATER HEATER = 4,500 VA
 TOTAL A/C = 12,192 VA
 EXTERIOR GFI = 400 VA
 46,492 VA
 TOTAL CONNECTED LOAD = 46,492 VA
 TOTAL CONNECTED AMPS = 194 AMP

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊞	TOGGLE SWITCH, SINGLE POLE, 20 A	⊞	SMOKE DETECTOR-SINGLE STATION
⊞3	TOGGLE SWITCH, THREE WAY, 20 A	⊞	ELECTRICAL JUNCTION BOX
⊞4	TOGGLE SWITCH, FOUR WAY, 20 A	⊞	TELEVISION OUTLET
⊞D	DIMMER SWITCH RATED FOR CKT LOAD	⊞	TELEPHONE OUTLET
⊞	SINGLE RECEPTACLE, 20A, 120V	⊞	DISC. SWITCH- POLE AMP FUSE
⊞	DUPLEX RECEPTACLE, 20A, 120V WALL. MTD. AT 18" A.F.F.	⊞	DISC. SWITCH- NEMA 3R
⊞	DUPLEX RECEPTACLE, 20A, 120V WALL. MTD. AT 48" A.F.F.	⊞	ELECTRICAL PANEL FLUSH MOUNTED
⊞	QUADPLEX RECEPTACLE, 20A, 120V WALL. MTD. AT 18" A.F.F.	⊞	POWER BRANCH CKT HOME RUN HATCH MARKS DENOTE # OF WIRE /- DENOTE GROUND WIRE
⊞GFI	DUPLEX RECEPTACLE, 20A, 120V W/ GROUND FAULT CIRCUIT INTERRUPT	⊞	FAN MOTOR
⊞WP	DUPLEX RECEPTACLE, 20A, 120V W/ WEATHERPROOF, 20 A	⊞	FLOOR MTD DUPLEX RECEPT, 120V, 20A
⊞	FLOOR MTD DUPLEX RECEPT, 120V, 20A	⊞	A.F.F. ABOVE FINISHED FLOOR
⊞	SPECIAL PURPOSE RECEPTACLE	⊞	GFI GROUND FAULT INTERRUPTOR
⊞	WALL MTD LIGHT FIXTURE	⊞	WATER PROOF
⊞	SURFACE MOUNTED LIGHT FIXTURE	⊞	CONDUIT
⊞	RECESSED MOUNTED LIGHT FIXTURE	⊞	EMPTY CONDUIT
⊞	VAPOR PROOF RECESSED LIGHT	⊞	DOOR BELL BUTTON
⊞	UNDER CABINET LIGHT/COVE LIGHT	⊞	DOOR BELL
⊞	RECESSED WALL WASHER LGT FIXT.	⊞	FLOOR MOUNTED RECEPTACLE
⊞	RECESSED LOW VOLTAGE LGT FIXT.	⊞	FLOOR MOUNTED TELEPHONE OUTLET
⊞	SURFACE MOUNTED FLUORESC. LGT.	⊞	RECESSED FLOOR MOUNTED LIGHT FIXTURE
⊞	POOL LIGHT	⊞	DATA/TELEPHONE OUTLET
⊞	DOUBLE FLOOR LIGHT FIXTURE	⊞	RECESSED FLUORESCENT LIGHT FIXTURE
⊞	SPEAKER	⊞	RECESSED FLUORESCENT LIGHT FIXTURE
⊞		⊞	STEP LIGHTING
⊞		⊞	UNDERWATER/WATER FOUNTAIN LIGHT

LOAD CALCULATION DEMAND

CONNECTED LOAD PANEL A	=	46,492 VA
CONNECTED LOAD PANEL P	=	17,040 VA
CONNECTED LOAD TOTAL	=	63,532 VA
FIRST 10,000 VA AT 100%	=	10,000 VA
REMAINDER AT 40%	=	21,413 VA
TOTAL A/C	=	12,192 VA
TOTAL DEMAND LOAD	=	43,605 VA
TOTAL DEMAND AMPS	=	182 AMP
SERVICE CAPACITY	=	200 AMPS



ELECTRICAL NOTES AND LEGEND

N.T.S.

ELECTRICAL NOTES

- ALL WORK SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE GOVERNING EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), LOCAL AND STATE CODES AND ANY OTHER APPLICABLE CODES AND STANDARDS.
- ALL WIRING SHALL BE COPPER (CU) THWN INSULATION. IF ALUMINUM WIRES ARE USED:
 - TO PREVENT OVERHEATING AT CONNECTION POINTS USE OXIDE INHIBITING COMPOUND FOR STRIPPED PORTION OF CONDUCTORS INSIDE CONNECTORS.
 - A PREVENTIVE MAINTENANCE PLAN IS NECESSARY TO ENSURE A RELIABLE SERVICE INCLUDING VISUAL INSPECTIONS AND TESTS FOR SPICES AND CONNECTION POINTS (CORROSION AND TIGHTNESS PRINCIPALLY). INSPECTION INTERVALS OF 2 YEARS MAXIMUM ARE STRONGLY RECOMMENDED.
- ALL CIRCUIT BREAKERS SHALL BE RATED AT MINIMUM OF 10,000 AIC.
- PRIOR TO INSTALLATION OF ROUGH ELECTRICAL WIRING, CHECK NAMEPLATE DATA OF ALL EQUIPMENT FOR REQUIRED VOLTAGES, MINIMUM CIRCUIT AMPACITY, AND OVERCURRENT PROTECTION.
- ELECTRICAL CALCULATIONS WERE BASED ON INFORMATION PROVIDED BY ELECTRICAL CONTRACTOR AND OWNER AGENT. ELECTRICAL CONTRACTOR TO VERIFY LOAD FOR EACH CIRCUIT AND ADJUST ACCORDINGLY, CHANGES TO BE REFLECTED IN THE DRAWINGS.
- ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- ALL NEW CONDUCTORS SHALL BE RUN IN CONDUIT (METALLIC TYPE) UNLESS OTHER TYPES CAN BE USED AS PER NEC:
 - PVC SCH. 40 WHEN INSTALLED 12" UNDER SLABS ON GRADE OR WHEN EMBEDDED IN CONCRETE WALLS OR SLABS.
 - MC CABLE CAN BE INSTALLED ACCORDING TO NEC 330.10 AND 330.12.
 - IMC WHEN INSTALLED CONCEALED IN MASONRY WALLS, DRY WALLS OR SUSPENDED CEILING, ALSO WHEN INSTALLED IN INTERIORS EXPOSED UP TO 8' AFF.
 - EMT INTERIORS EXPOSED ABOVE 8' AFF AND AT ANY HEIGHT IN ELECTRICAL, MECHANICAL AND TELECOMMUNICATION ROOMS.

CONDUCTORS IN VERTICAL RACEWAYS TO BE SUPPORTED IN EVERY ELECTRICAL ROOM OR AS REQUIRED TO FULFILL THE FOLLOWING REQUIREMENTS:

WIRE SIZE	NO FARTHER THAN
1/0 AWG AND SMALLER	100 FEET
FROM 2/0 TO 4/0	80 FEET
OVER 4/0 THRU 350KCMIL	60 FEET
OVER 350KCMIL THRU 500KCMIL	50 FEET
OVER 500KCMIL THRU 750KCMIL	40 FEET
- IF PVC CONDUITS ARE USED FOR UNDERGROUND FEEDERS, A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250 - 122 MUST BE INSTALLED AND CONDUIT SIZE INCREASED AS REQUIRED.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR INSTALLATION OF MECHANICAL EQUIPMENT.
- RISERS ARE DIAGRAMMATIC ONLY. THEY DO NOT SHOW EVERY BEND REQUIRED FOR THE INSTALLATION. ELECTRICAL CONTRACTOR TO FIND BEST POSSIBLE ROUTE FOR ALL CIRCUITS.
- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
- OUTLES IN OPPOSITE SIDES ON FIRE RATED WALLS TO BE 24" HORZ. APART (MIN). AND FIRE PROTECTED.
- ALL SMOKE DETECTORS TO BE LOCATED 3' APART MIN. FROM A/C OUTLETS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER FOR LIGHTING CONTROL SYSTEM IN COMMON AREAS OF THE BUILDING AND VERIFY INSTALLATION FOR OUTLETS, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.
- ALL PANELS SHALL BE CLEARLY LABELED ON THE OUTSIDE FOR QUICK AND EASY IDENTIFICATION. ALL CIRCUITS IN ALL PANELS SHALL BE CLEARLY IDENTIFIED AND SHALL APPEAR WITH COMPLETE INFORMATION (DESCRIPTION OF CIRCUIT, BREAKER SIZE, NUMBER OF POLES AND BREAKER POSITION NUMBERS) ON THE PANEL DIRECTORIES. IN ADDITION, THE VOLTAGE, PHASE AND AMP RATING OF THE PANEL SHALL CLEARLY BE IDENTIFIED ON THE INSIDE DOOR. THE ABOVE APPLIES FOR ANY AND ALL EXISTING TO REMAIN PANEL BOARDS AND CIRCUITS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT FIRE STOPPING MEASURES ARE PROVIDED PER LOCAL BUILDING DEPARTMENT. 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 GOVERNMENT ENTITIES SUCH AS WATER MANAGEMENT'S DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THESE DRAWINGS AND SHALL VISIT AND BECOME FAMILIAR WITH THE JOB SITE AND ALL EXISTING CONDITIONS PRIOR TO BID. ANY QUESTIONS, COMMENTS, DISCREPANCIES OR PERCEIVED AMBIGUITIES SHALL BE DISCUSSED WITH THE ENGINEER PRIOR TO BID.

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 CITY OF MIAMI BEACH
 APPROVED FOR PERMIT BY
 THE FOLLOWING:

BUILDING: _____
 ZONING: _____
 DRB/HPB: _____
 CONCURSORY: _____
 PLUMBING: _____
 ELECTRICAL: _____
 MECHANICAL: _____
 FIRE PROTECTION: _____
 ENGINEERING: _____
 PUBLIC WORKS: _____
 STRUCTURAL: _____
 ELEVATOR: _____

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NO.	REVISIONS	DATE
1	B.D.C.	8/23/12

COMMISSION No.: 1233
 CADD FILE NAME: 1233-A2
 ISSUED DATE: 07/31/12
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 AS SHOWN
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 DRAWING TITLE:
 ELECTRICAL NOTES AND LEGEND
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 SHEET 2 OF 2

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