



PERMIT #

B0501506

06

NOA No. 22-1119.07
Expiration Date: 12/16/07
Approval Date: 12/12/02
Page 4 of 7

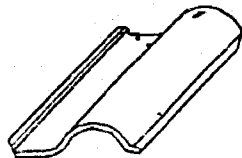


Page 100-101

5. **LABELING**
All bins shall bear the prominent or identifiable marking of the manufacturer's name or logo, or following statement: "Miami-Dade County Product Control Approved".
6. **BUILDING PERMIT REQUIREMENTS**- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 The Name of Manufacturer.
 - 6.1.2 Any other documents required by the Building Official or applicable building codes in order to properly evaluate the installation of the system.

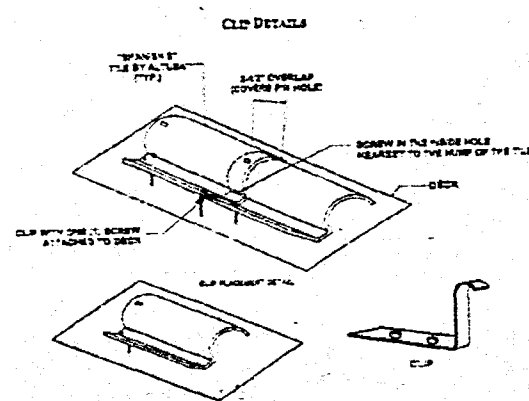
5. **LABELING**
All bins shall bear the prominent or identifiable marking of the manufacturer's name or logo, or following statement: "Miami-Dade County Product Control Approved".
6. **BUILDING PERMIT REQUIREMENTS**- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 The Name of Manufacturer.
 - 6.1.2 Any other documents required by the Building Official or applicable building codes in order to properly evaluate the installation of the system.

PROFILE DRAWINGS
ONE PIECE 'S' CLAY ROOF TILE



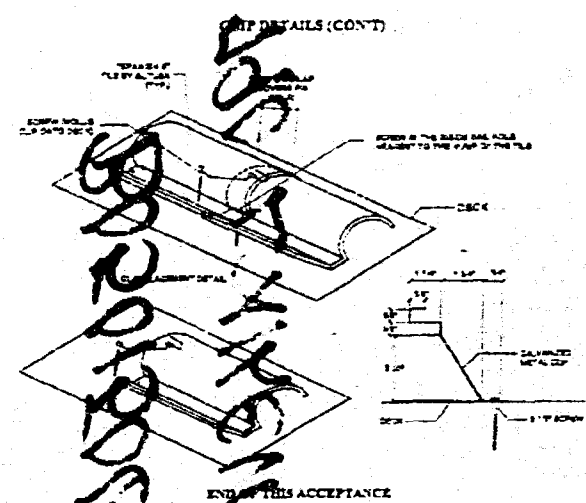
NOA No. 92-111582
Expiration Date: 12/16/97
Approval Date: 12/12/92
Page 5 of 7

REF ID: A66164



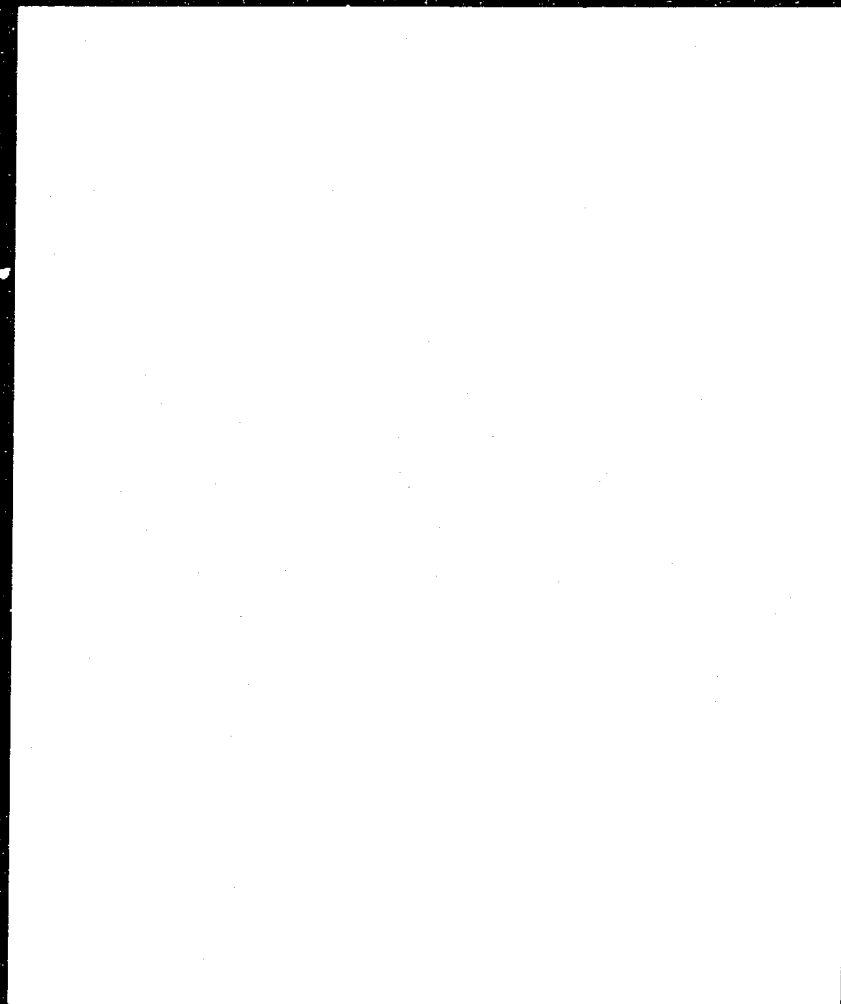
NOA No.: 02-111543
Expiration Date: 12/16/97
Approval Date: 12/12/92
Page 6 of 7

REF ID: A66524



END OF THIS ACCEPTANCE

NOA No.: 21-111581
Expiration Date: 12/16/97
Approval Date: 12/12/92
Page 7 of 7



B0501506
790 LXIHEVIEW 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 Building/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 Enclsoure/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 DAVID 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
NOTARY PUBLIC STATE OF FLORIDA
(Seal) Antonio Tomassone
Commission # DD659618
Expires: APR. 04, 2011
BONDED THRU ATLANTIC BONDING CO., INC.

Sworn to and subscribed before me this _____ day of _____, 20____.
(Seal)

Sworn to and subscribed before me this 15 day of May, 2007
NOTARY PUBLIC STATE OF FLORIDA
(Seal) Antonio Tomassone
Commission # DD659618
Expires: APR. 04, 2011
BONDED THRU ATLANTIC BONDING CO., INC.

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 May, 2007

by: _____

() Personally Known

(☒) Produced Identification - Type of Identification

Driver License

[Signature]
Signature of Notary Public

NOTARY PUBLIC STATE OF FLORIDA
(Seal) Antonio Tomassone
Commission # DD659618
Expires: APR. 04, 2011
BONDED THRU ATLANTIC BONDING CO., INC.

Application Approved By: _____

Permit Clerk

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 improved 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 20 07, by: _____

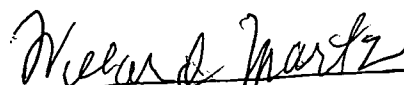
() Personally Known (X) Produced Identification - Type of Identification DRIVER LICENSES



Signature of Notary Public

(Seal)

NOTARY PUBLIC-STATE OF FLORIDA
Antonio Tomassone
Commission # DD659618
Expires: APR. 04, 2011
BONDED THRU ATLANTIC BONDING CO., INC.



Signature of Owner



MIAMIBEACH

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 for 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.

OWNER: [REDACTED]
ADDRESS: 790 LAKEVIEW DRIVE MIAMI BEACH FL 33140

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
THE FOLLOWING:

**BUILDING:
ZONING:
DRAWING:
CONCURRENCY:
PLUMBING:**

ELECTRICAL
MECHANICAL

RECEIVED

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 treatment plants, state agencies, or federal agencies. The City of Miami Beach assumes responsibility for securing all necessary approvals and permits from these plans which are approved subject to compliance with local laws, rules, codes and Regulations.

SOUTH WALL

POWDER ROOM

Room & Plot Plan

PLAN REVIEW NOTICE

Phone 305-673-7080

Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.

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

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

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

OFFICE COPY
CITY OF MIAMI BEACH

ENC-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:

COLO 6/20/07 ✓

POOL DECK
PAVERS ON

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

BOND 5103

790 Lakeview
Drive.



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: B1205223Date: 8-22-12Job Address: 790 LAKE VIEW DRFolio 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): Plan and Specification, Survey Cost, Permit Fees, Swimming Pools, detached structures (garages, storages, cabanas), Landscaping, Fences, Yard light, Not Built-ins Appliances and Furniture.		
Estimated Construction Cost	General Contractor Cost	Owner Cost
Demolition & Removal	\$ 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	
<p><i>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.</i></p>	
<p><u>Willard Martz</u></p> <p>Signature of Owner</p>	
<p>STATE OF FLORIDA COUNTY OF <u>Miami Dade</u></p>	
<p>Sworn to and Subscribed before me this <u>28</u> day of <u>August</u> 20<u>12</u>, by:</p> <p><u>Willard Martz</u></p>	
<p><input type="checkbox"/> Personally known <input checked="" type="checkbox"/> Produced Identification - Type of Identification <u>Florida D.L.</u></p> <p><u>Melody Rodriguez</u></p> <p>Signature of Notary Public</p>	<p> MELODY RODRIGUEZ Commission # DD 849139 Expires April 26, 2013 Bonded Thru Troy Pain Insurance 800-385-7019</p>

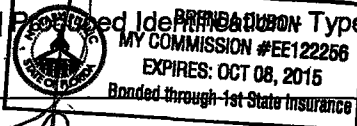
MIAMI BEACH
BUILDING DEPARTMENT
 1700 Convention Center Drive, 2nd Floor
 Miami Beach, FL, 33139
 Phone: (305) 673-7610 Fax: (305) 673-7857

Hector Sire
 Signature of Qualifier / Contractor

STATE OF FLORIDA
 COUNTY OF Dade

Sworn to and Subscribed before me this 28 day of Aug 20 12, by:
Hector Sire

[] Personally known [] Notarized Identification Type of
 Identification Notary Public
 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

C. Guerrero 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



MIAMI BEACH

BUILDING DEPARTMENT

1700 Convention Center Drive, 2nd Floor

Miami Beach, FL 33139

Phone: (305) 673-7610 Fax: (305) 673-7857

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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

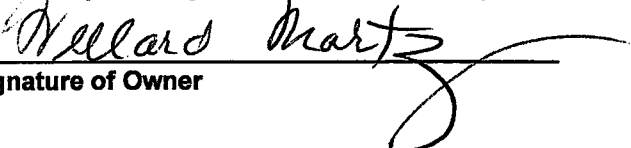
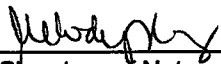

1700 Convention Center Drive, 2nd Floor

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	
<i>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.</i>	
 Signature of Owner	
STATE OF FLORIDA COUNTY OF <u>Miami Dade</u>	
Sworn to and Subscribed before me this <u>28</u> day of <u>August</u> 20 <u>12</u> , by: <u>Willard Martz</u>	
<input type="checkbox"/> Personally known <input checked="" type="checkbox"/> Produced Identification - Type of Identification <u>Florida D.L.</u>	
 Signature of Notary Public	

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 20 12, by:
Hector Sire

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

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 _____



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	
<p>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.</p>	
<p><u>Willard Martz</u> Signature of Owner</p>	
<p>STATE OF FLORIDA COUNTY OF <u>Miami Dade</u></p>	
<p>Sworn to and Subscribed before me this <u>28</u> day of <u>August</u> 20<u>12</u>, by: <u>Willard Martz</u></p>	
<p>[] Personally known [x] Produced Identification - Type of Identification <u>Florida D.L.</u></p>	
<p><u>Melody Rodriguez</u> Signature of Notary Public</p>	



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

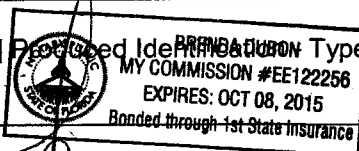
COUNTY OF Dade

Sworn to and Subscribed before me this 22 day of Aug 20 12, by:

Hector Sire

[] Personally known [] Not Used 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

C. Guerrero 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

A2. 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

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: ☐ NAD 1927 ☒ 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 crawlspace or enclosure(s):

- a) Square footage of crawlspace or enclosure(s) N/A sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A
c) Total net area of flood openings in A8.b N/A sq in
d) Engineered flood openings? ☐ Yes ☒ No

A9. For a building with an attached garage:

- a) Square footage of attached garage N/A sq ft
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 A9.b N/A sq in
d) Engineered flood openings? ☐ Yes ☒ 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.

☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date N/A ☐ CBRS ☐ 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

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

Date 07-28-2012

Telephone 33144

P.L.S. 3064

PLACE
SEAL
HERE

7-26-12

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 Name

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 ImprovementG8. 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

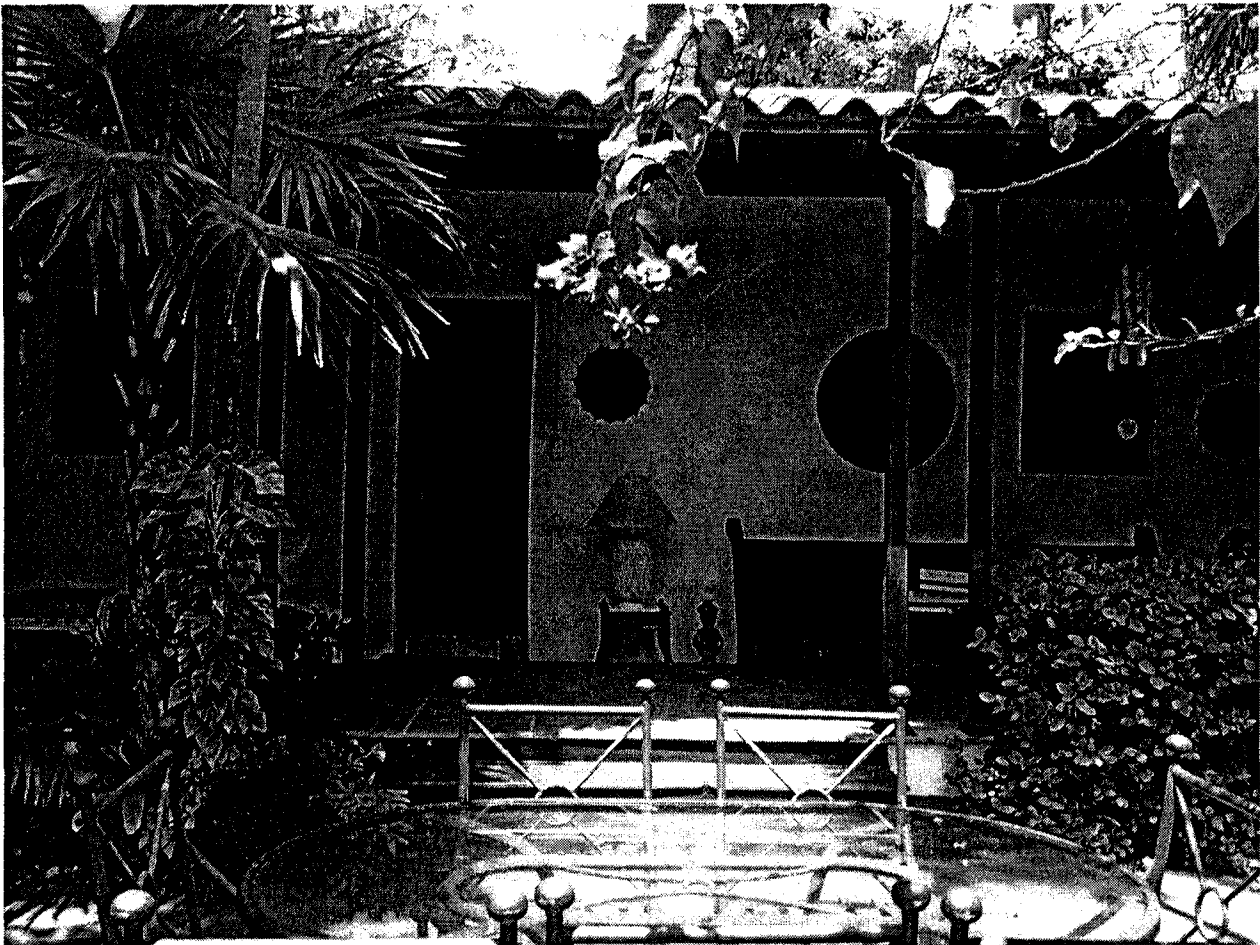
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
790 LAKE VIEW DRIVE

City MIAMI BEACH State FL ZIP Code 33140

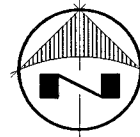
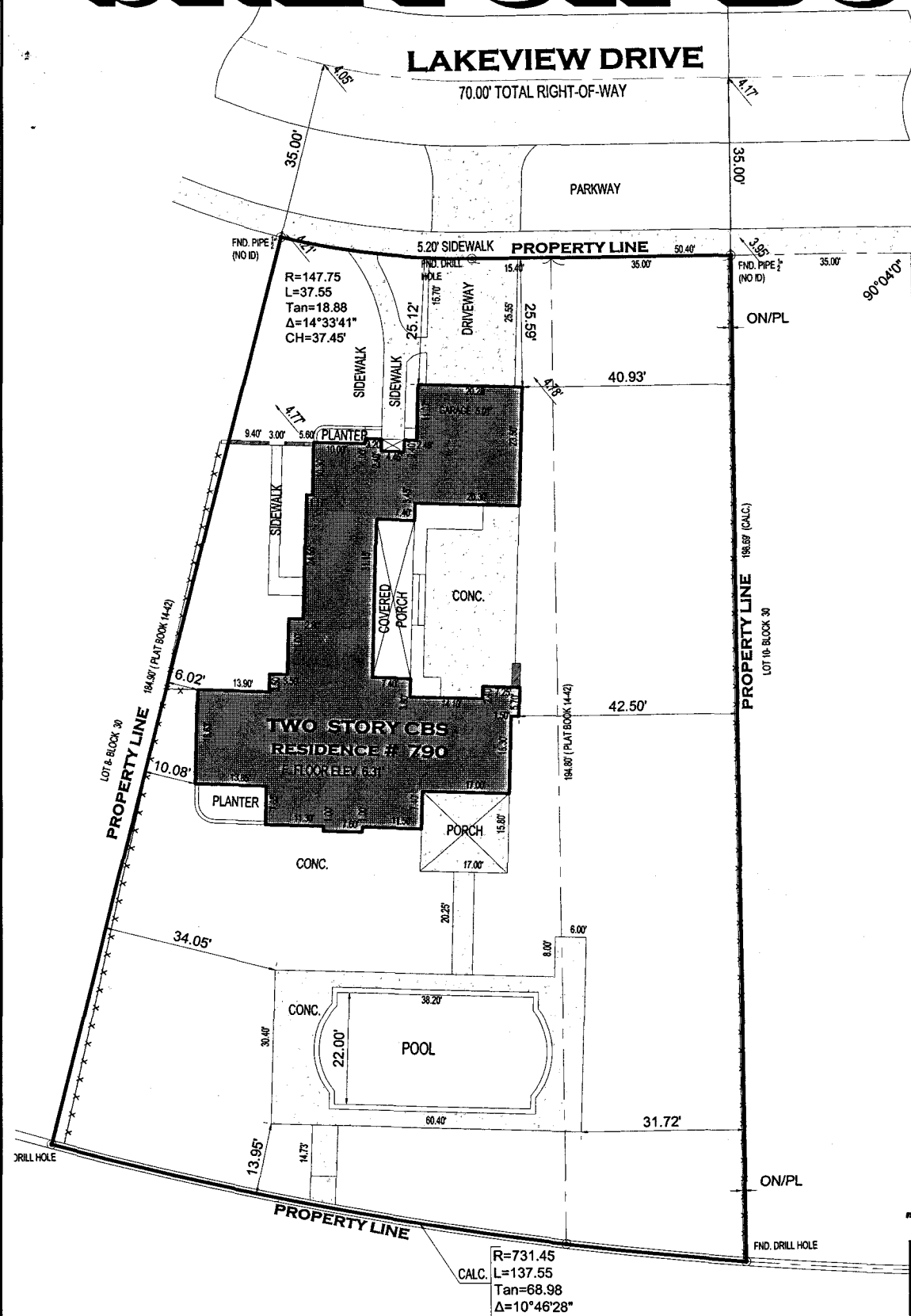
For Insurance Company Use
Policy Number
Company NAIC Number

If 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."

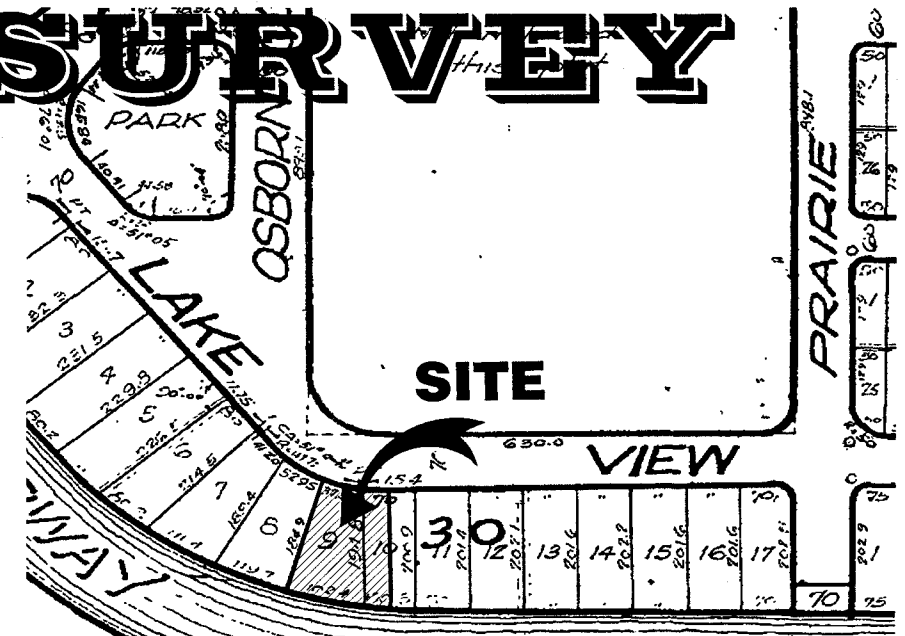
REAR VIEW:



SKETCH BOUNDARY SURVEY



SCALE: 1"=30'



ADDRESS: 790 LAKE VIEW DRIVE, MIAMI B EACH, 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.

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

"LEGEND"

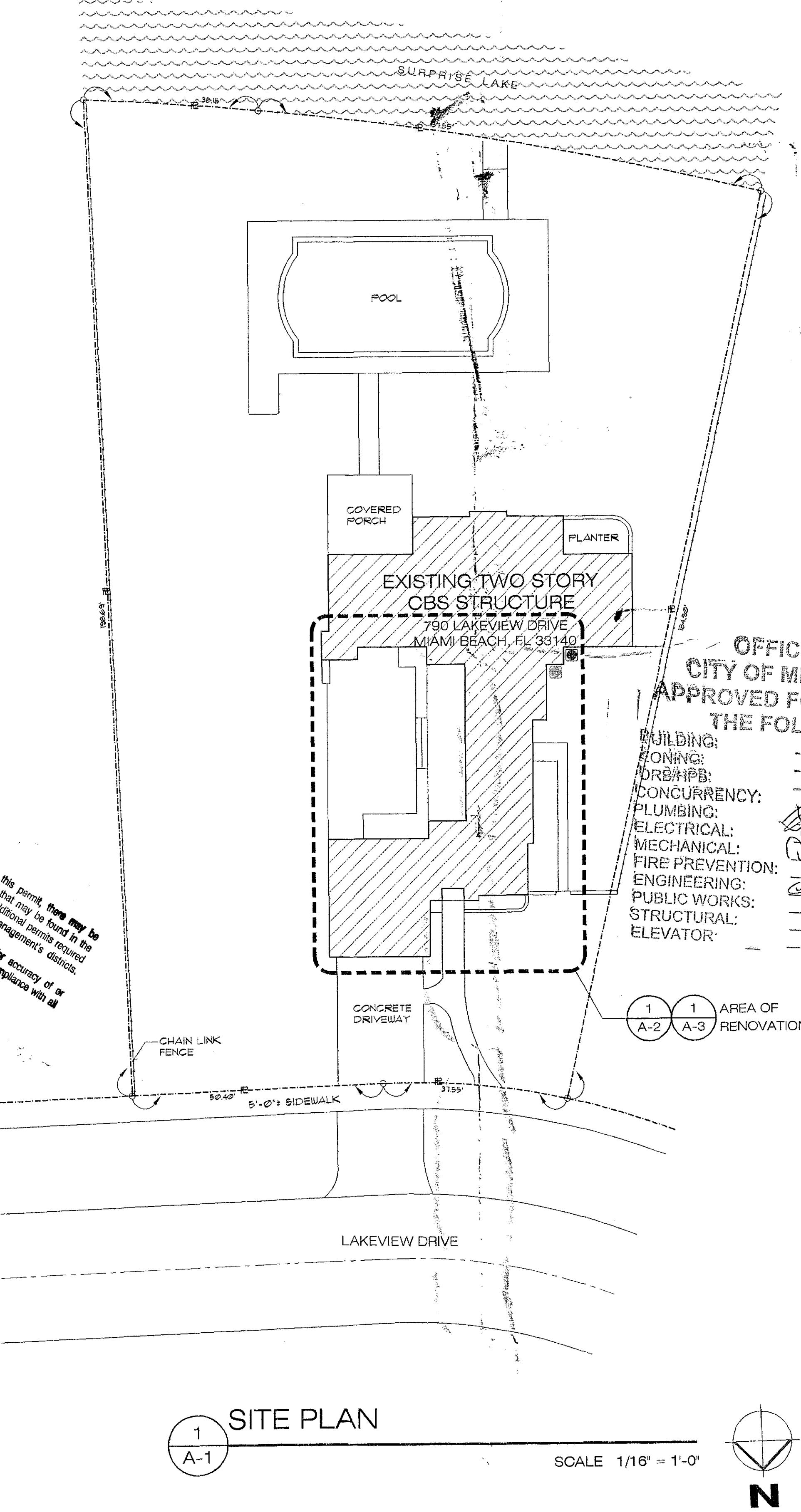
P.R.M. - PERMANENT REFERENCE MONUMENT	U.E. - UTILITY EASEMENT
P.C.P. - PERMANENT CONTROL POINT	W.F. - WOOD FENCE
F.I.P. - FOUND IRON PIPE	M. - MEASURE
S.I.P. - SET IRON PIPE 1/2" STAMPED	R. - RECORDED
F.D.H. - FOUND DRILL HOLE	S.N.D. - SET NAIL & DISC STAMPED P.I.S.
S.D.H. - SET DRILL HOLE	F.N.D. - FOUND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

SHEET 1 Of 1

Interior Renovation
Dr. Willard Martz
790 Lakeview Drive, Miami Beach

PROJECT DATA		DEMOLITION NOTES	
ZONING DISTRICT	RS-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	23,51 SF.	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:		WALL OR BUILDING SECTION	
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		DETAILS	
2. ELECTRICAL WORK: - REPLACE ELECTRICAL PANEL - NEW ELECTRICAL SERVICE & SUBFEED WIRING - NEW GFI OUTLETS IN KITCHEN		NORTH ARROW	
3. REPLACE A/C CONDENSING UNIT, AIR HANDLER & CORRESPONDING DUCTWORK		HEIGHT FROM FINISH FLOOR	
GENERAL NOTES		REVISION	
1. THESE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGNOSTIC, THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS.		ARCHITECTURAL	
2. ITEMS NOT EXPRESSLY SET FORTH BUT WHICH ARE REASONABLY IMPLIED OR NECESSARY FOR THE PROPER PERFORMANCE OF THIS WORK SHALL BE INCLUDED.		MECHANICAL	
3. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE BASIS FOR PROPER COMPLETION OF THE PROJECT.		ELECTRICAL	
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2010 EDITION.		CONSULTANTS	
5. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE THE FOLLOWING:		ARCHITECT	
5.1. PRIOR TO STARTING WORK:		SOUTHEAST DESIGN ASSOCIATES, INC.	
5.1.1. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.		MANUEL PEREZ-VICHOT, AIA	
5.1.2. LOCATE CONCEALED AND UNDERGROUND UTILITIES, PIPES, CONDUITS, ETC.		631 ELDON DR. #101, MIAMI SPRINGS, FL 33168	
5.1.3. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE EXISTING CONDITIONS.		T 305.871.1648	
5.2. CONSTRUCTION MEANS AND METHODS.		F 305.871.1734	
5.3. EXERCISE DUE CARE DURING DEMOLITION, EXCAVATION AND CONSTRUCTION TO PROTECT WORKERS, PEDESTRIANS AND EXISTING CONSTRUCTION.		E MPEREZ@SEDAINC.COM	
5.4. PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION AND KEEP THE SITE CLEAN & FREE OF DEBRIS.		WWW.SEDAINC.COM	
5.5. DO NOT LOAD NEW OR EXISTING STRUCTURES BEYOND THEIR DESIGNED CAPACITY AND SHALL PROVIDE ALL SHORING AND BRACING REQUIRED DURING CONSTRUCTION.		MECHANICAL & ELECTRICAL ENGINEER	
5.6. COMPLY WITH THE SAFETY REQUIREMENTS OF LOCAL, STATE OF FLORIDA CODES AND FEDERAL LAWS.		R12 ENGINEERING, INC.	
		ROLANDO GUARDO, P.E.	
		2000 NW 23 FL 135, DORAL, FL 33172	
		T 305.418.0065	
		F 305.469.3531	
		E ROLANDO@R12ENG.COM	

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



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THE FOLLOWING:

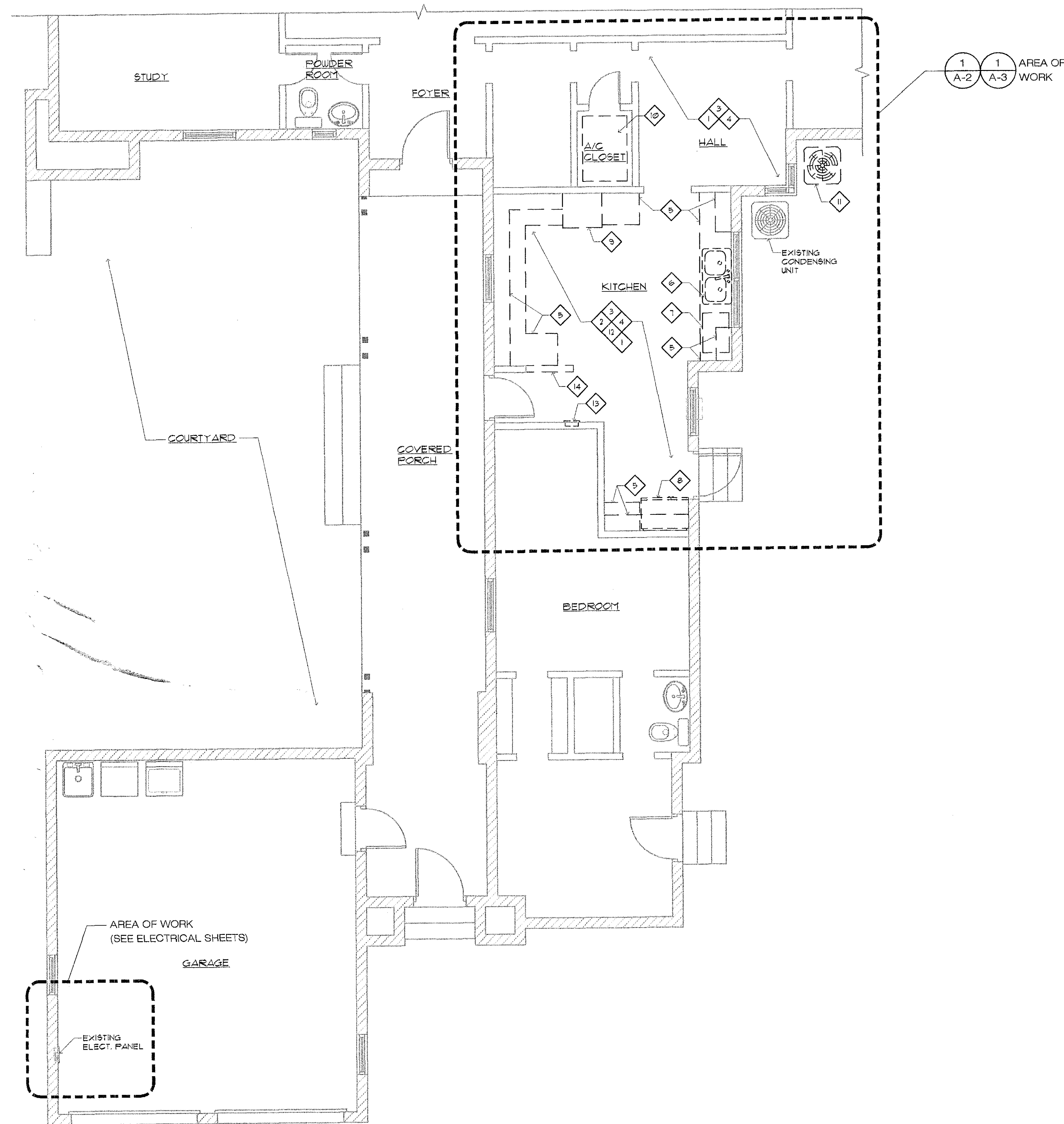
BUILDING:	See A-2
ZONING:	See A-2
DRB/HBP:	See A-2
CONCURRENCY:	See A-2
PLUMBING:	See A-2
ELECTRICAL:	See A-2
MECHANICAL:	See A-2
FIRE PREVENTION:	See A-2
ENGINEERING:	See A-2
PUBLIC WORKS:	See A-2
STRUCTURAL:	See A-2
ELEVATOR:	See A-2

SOUTHEAST DESIGN ASSOCIATES, INC.
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Consultant:
Interior Renovations
Dr. Willard Martz
790 Lakeview Drive
Miami Beach, FL 33140
Owner: Dr. Willard Martz

Project:
1233-A1
1233-A1
ISSUED DATE:
07/31/12
SCALE:
AS SHOWN
DRAWN BY:
CS
DRAWING TITLE:
SITE PLAN / PROJ. DATA
SHEET NO.
A-1
OF A-3
SHEET 1 OF 1



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 LOU WALL

1
A-2

EXISTING / DEMOLITION PLAN

GROUND FLOOR

SCALE 1/4" = 1'-0"

N

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 190 Lakeside Drive
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COMMISSION NO.:
 1233

CADD FILE NAME:
 1233-A2

ISSUED DATE:
 07/31/02

SCALE:
 AS SHOWN

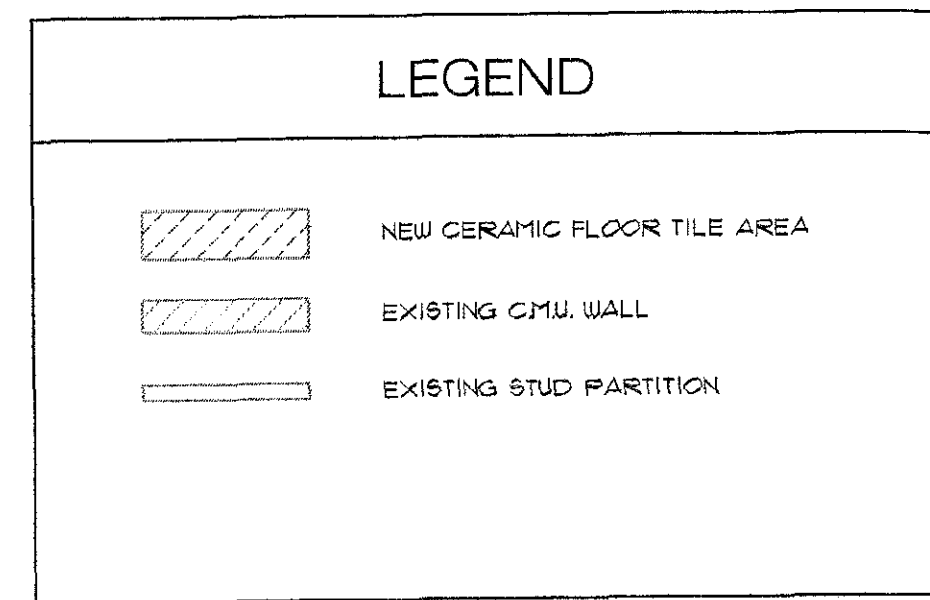
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DRAWING TITLE:
 EXISTING/DEMO PLAN

SHEET NO.
 A-2

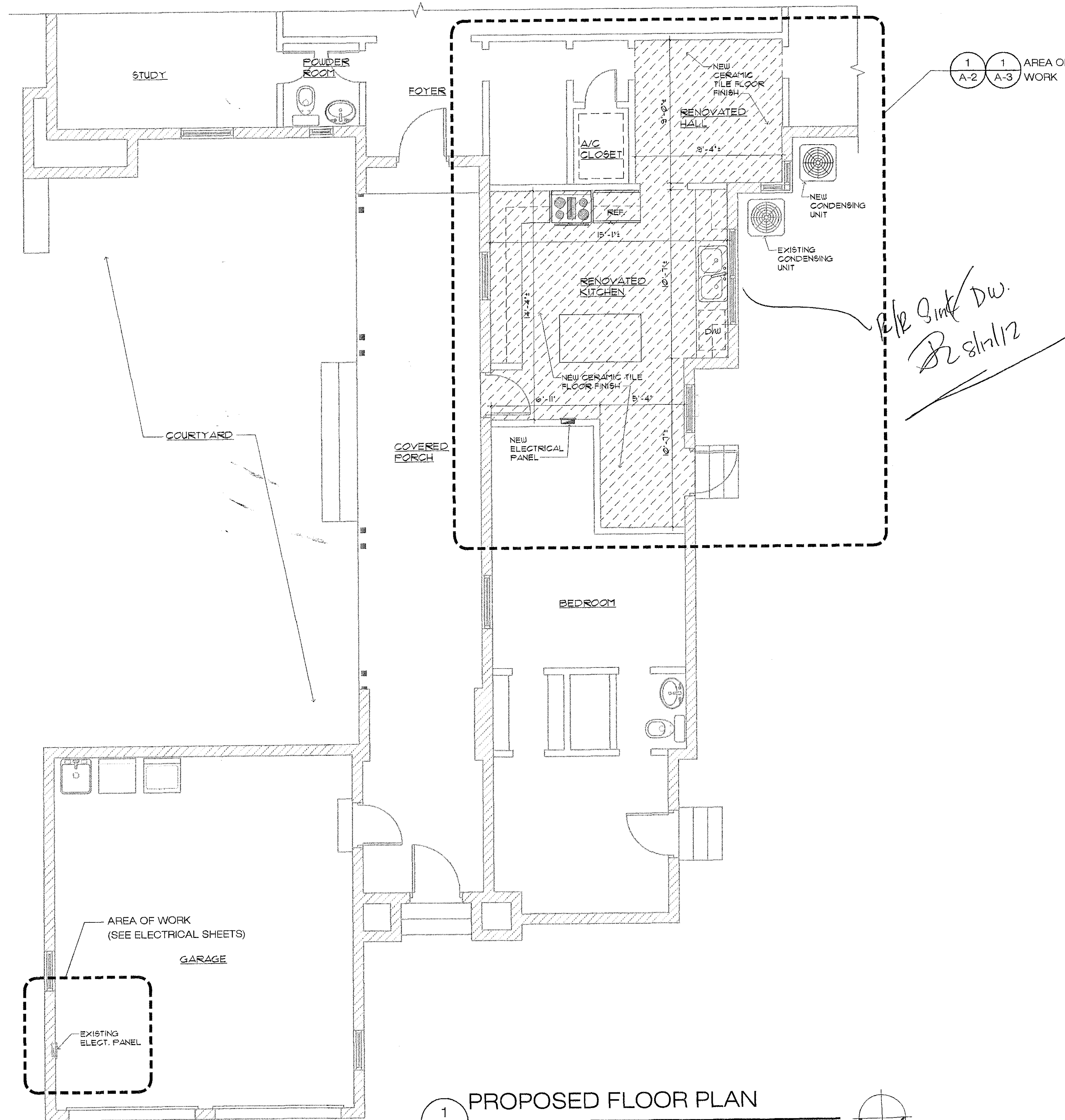
OF
 A-3

SHEET
 2 OF 1

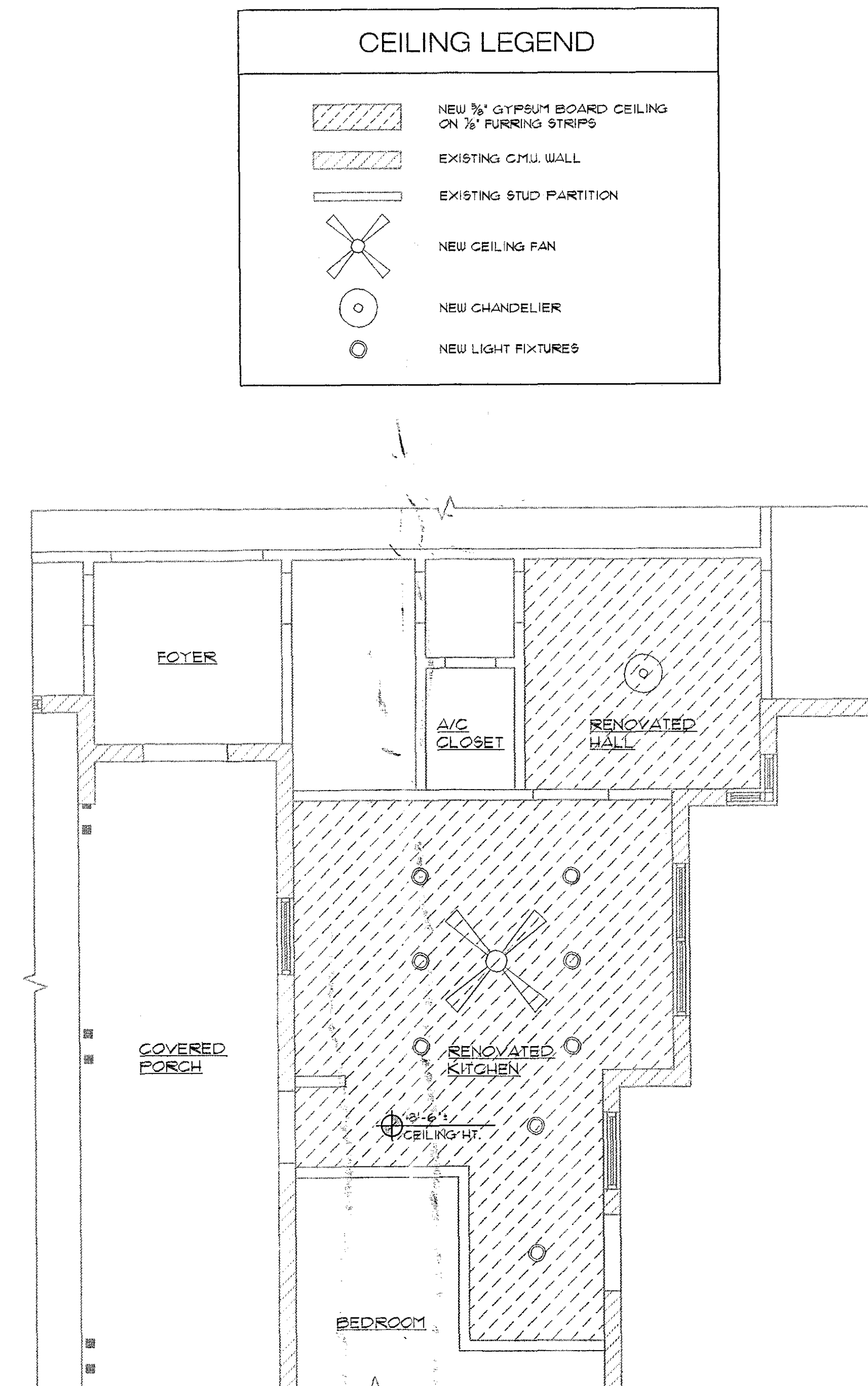


- CONSTRUCTION NOTES**
1. REPLACE LATH & PLASTER CEILING SOFFIT AT HALL TO FACILITATE REPLACEMENT OF HVAC DUCTWORK.
 2. REPLACE LATH & PLASTER WALLS AT KITCHEN WITH 1/2" GYPSUM BOARD ON 1/2" FURRING STRIPS.
 3. REPLACE EXTERIOR WALL & CEILING INSULATION AT KITCHEN & HALL.
 4. SUBMIT KITCHEN CABINET SHOP 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"



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

HVAC LEGEND:

AHU-1
CFM AIR HANDLING UNIT

AB
DESIGNATION FOR SUPPLY DIFFUSER

C
DESIGNATION FOR RETURN REGISTER

T
THERMOSTAT

⊠
CEILING DIFFUSER

▢
RETURN AIR GRILLE

↕
SIDEWALL DIFFUSER

—
DUCTWORK

|||||
FLEX DUCTWORK

EF-#
EXHAUST FAN (CEILING TYPE)

—●—
CONNECT TO EXISTING

E
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

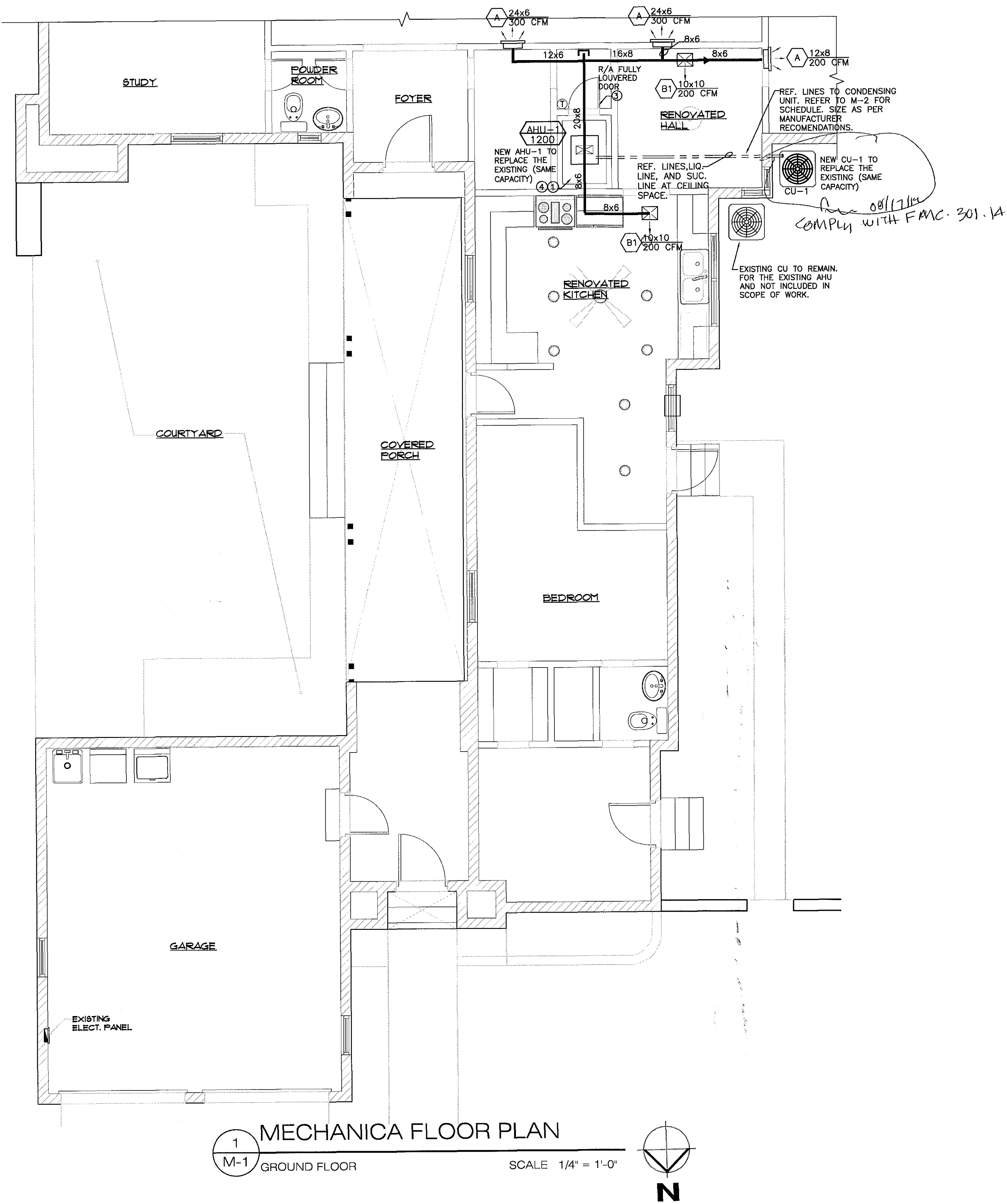
THE NATURE OF THIS PROJECT INVOLVES:

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.



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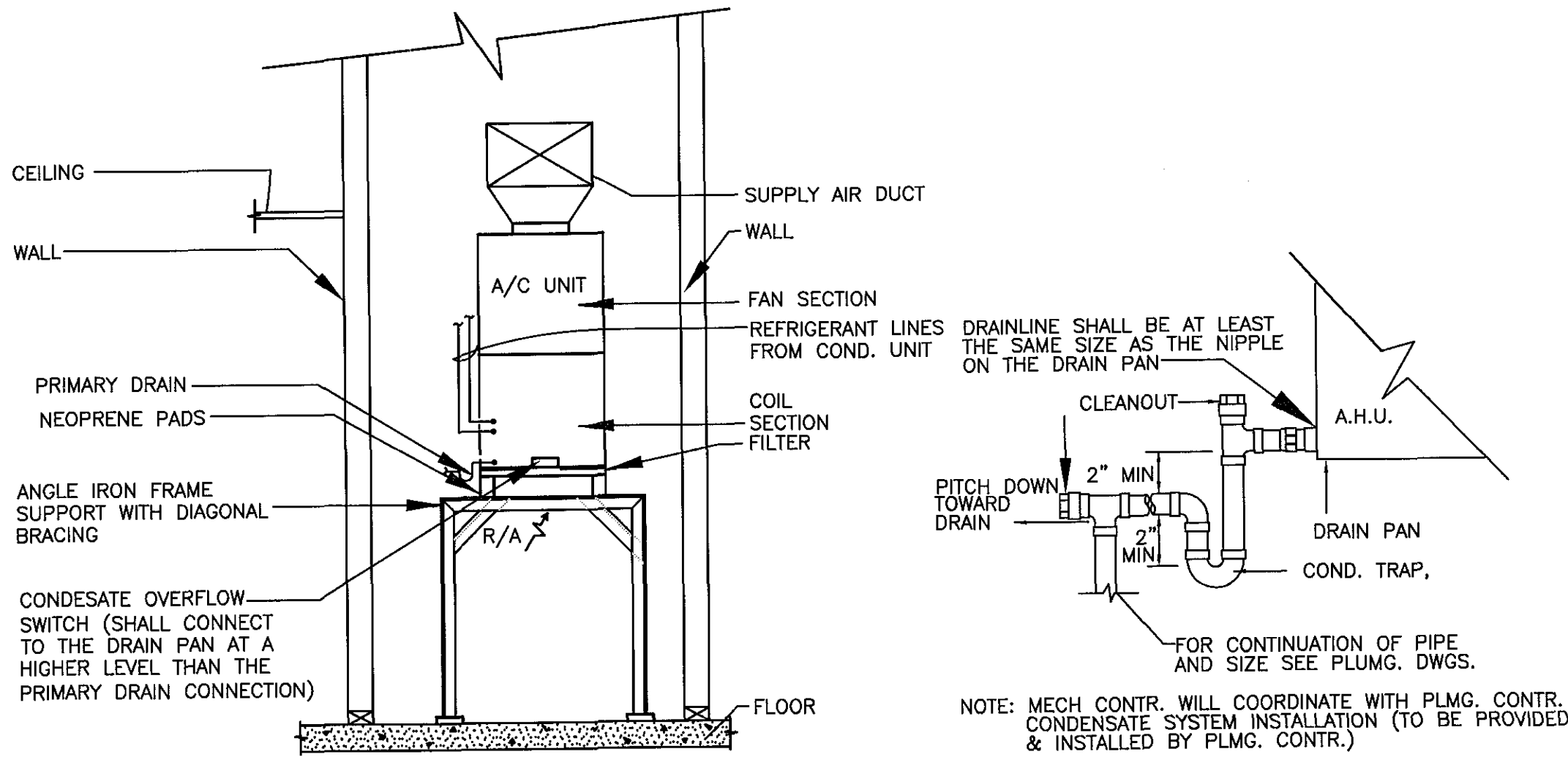
Seal:

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
CONDENSING UNIT	MCA (Amp)	22.4
	MOP (Amp)	30
	FLA.—HP	—
	DIMENSION (HxWxD) IN	23X45X32
	WEIGHT (LBS)	95
CONDENSING UNIT	MODEL	RANL036JAZ
	MANUFACTURER	RHEEM
	POWER SUPPLY	240-1P
	MCA (Amp)	24
	MOP (Amp)	40
CONDENSING UNIT	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.

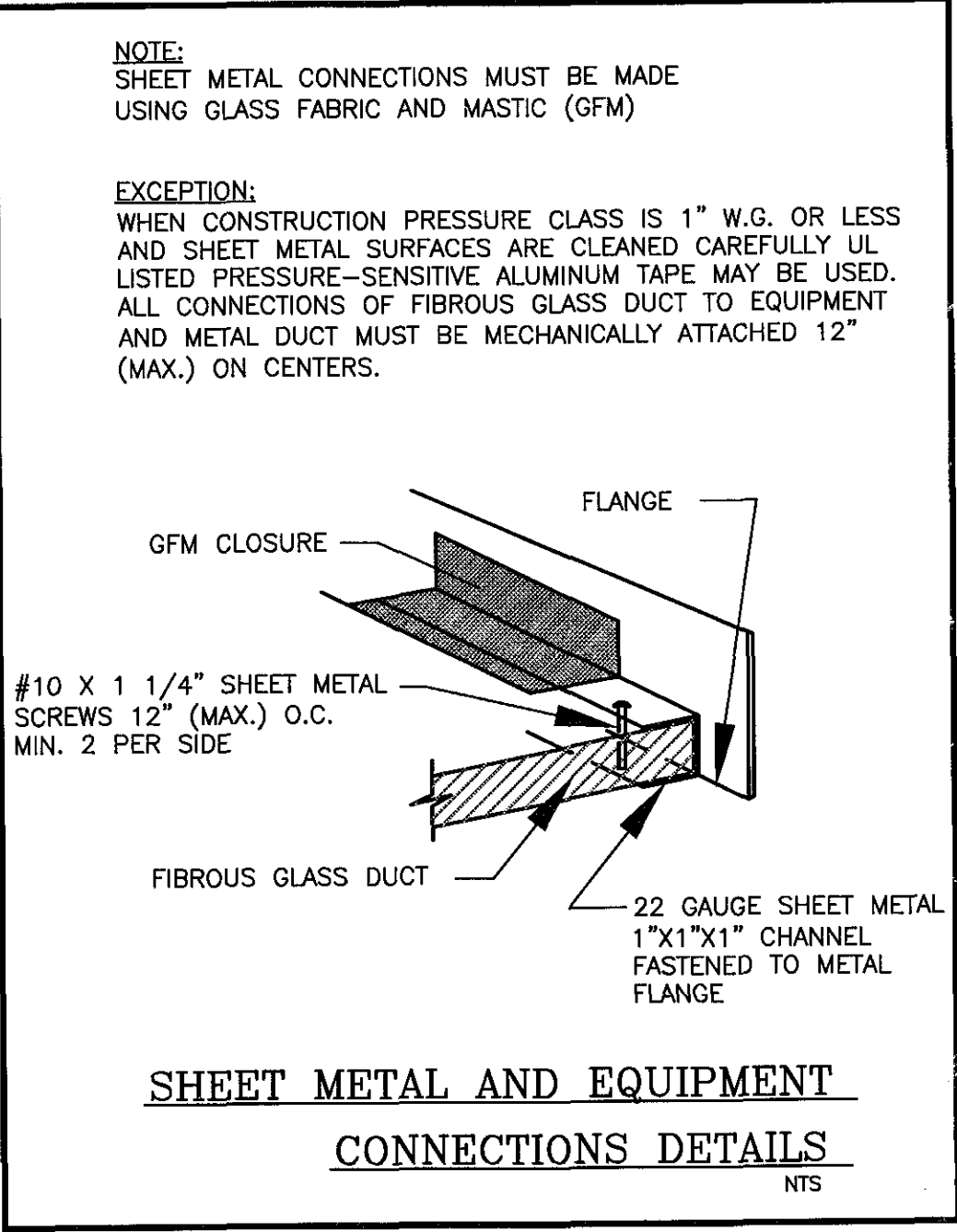


AIR HANDLING UNIT MOUNTING DETAIL

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

AIR DISTRIBUTION SCHEDULE				
SYMBOL	TYPE	TYPE	MANUFACTURER	MODEL
(A)	SUPPLY	SUPPLY SIDEWALL DIFFUSER	AIR GUIDE	VH-1-0B
(B)	SUPPLY	CEILING DIFFUSER	AIR GUIDE	CB-0B
(C)	RETURN	RETURN GRILLE	AIR GUIDE	RA-CB-0B
PATTERN: B=2-WAY CORNER B1=1-WAY B2=2-WAY B3=3-WAY B4=4-WAY				
NOTES: 1. USE SIZES SHOWN ON DRAWINGS 2. ALL AIR DISTRIBUTION SHALL BE OF EXTRUDED ALUMINUM CONSTRUCTION. FINISH TO BE SELECTED BY ARCHITECT. 3. NECK SIZE SHALL MATCH SIZE AND CONFIGURATION OF CONNECTED DUCTWORK INDICATED ON PLAN DRAWINGS 4. REFER TO PLAN FOR QUANTITY, LOCATION AIR, THROW PATTERN AND SIZES.				

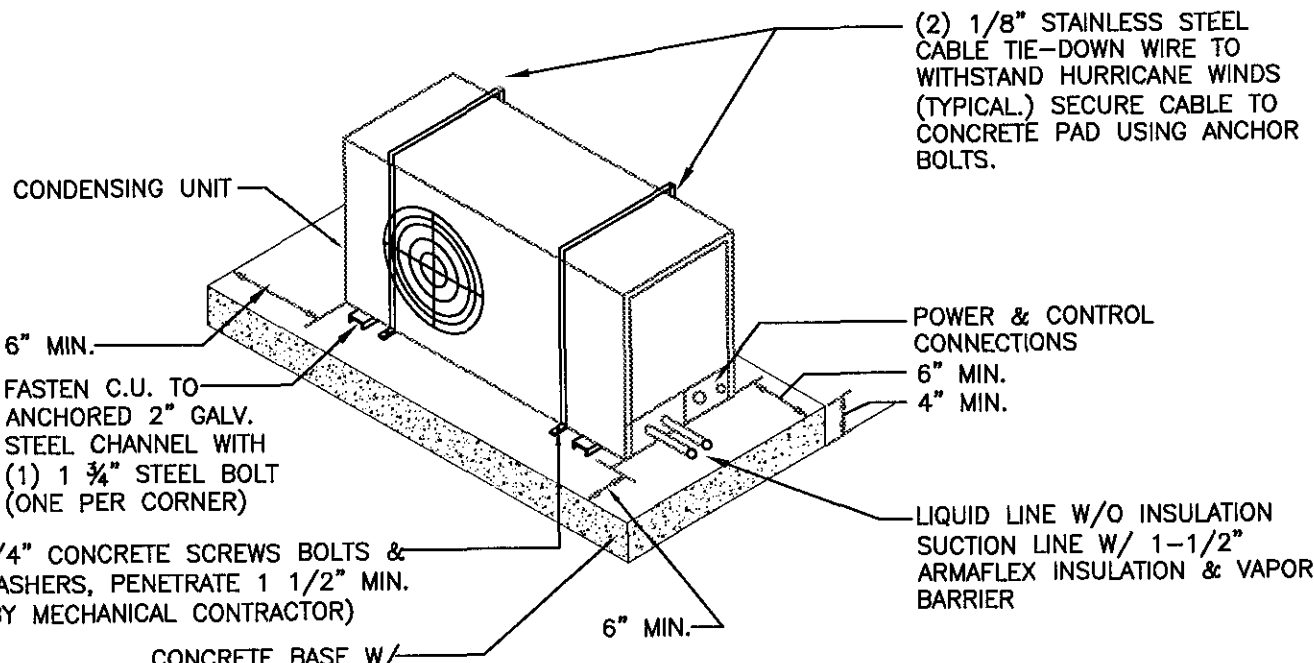


SHEET METAL AND EQUIPMENT

CONNECTIONS DETAILS

N.T.S.

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	



CONDENSING UNIT DETAIL

N.T.S.

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

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.

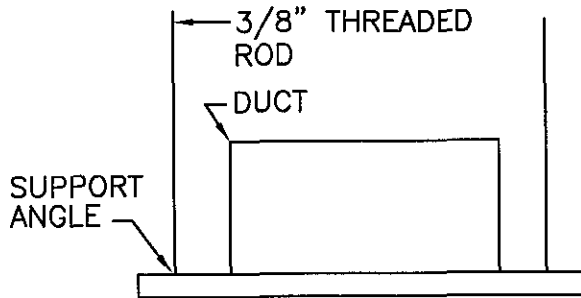
L- CONDENSATE PIPING

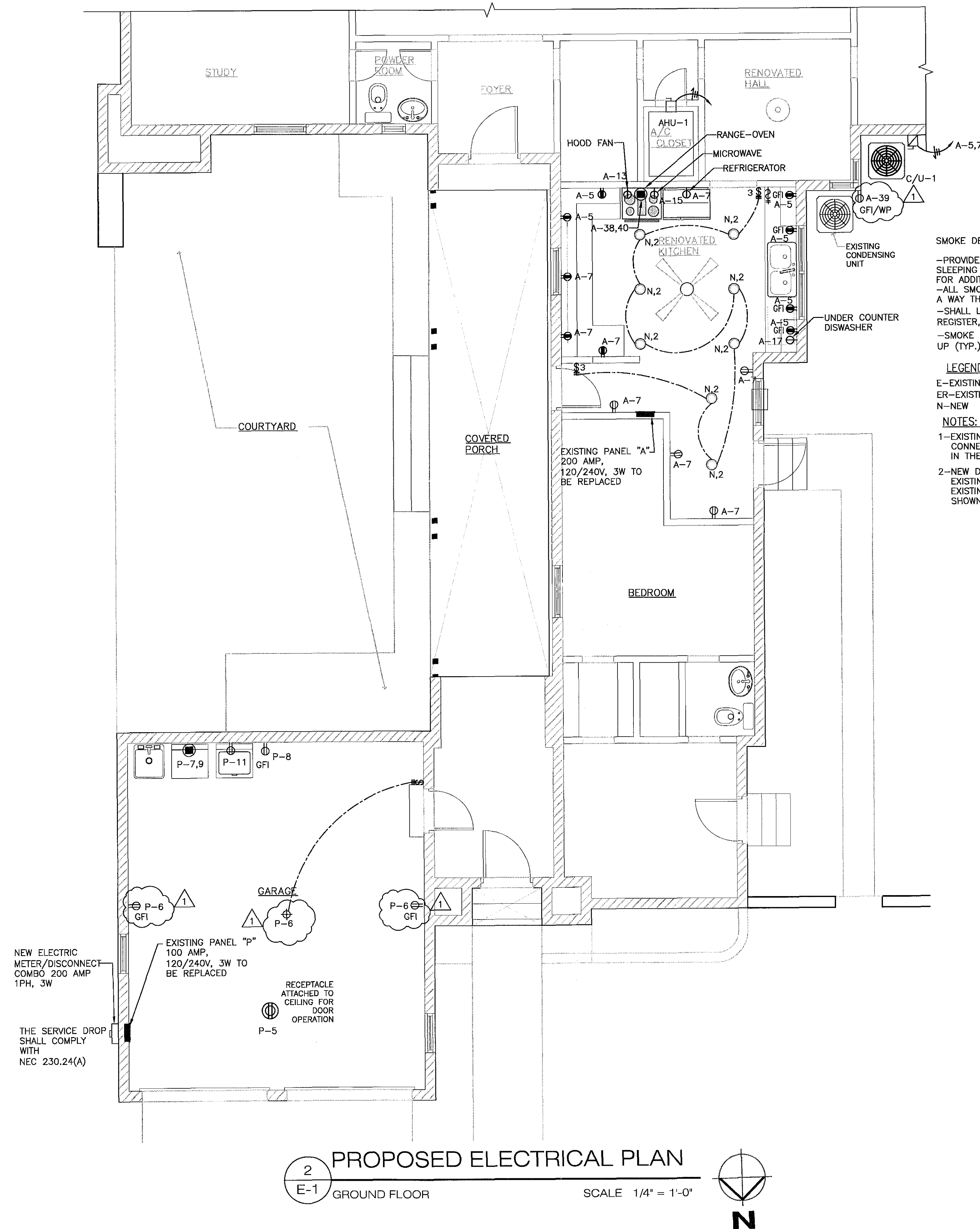
CONDENSATE PIPING SHALL BE OF PVC SCHED. 40, EXCEPT INSIDE A/C PLENUM SPACES WHERE COPPER PIPING SHALL BE INSTALLED.

DUCT WIDTH	SUPPORTS
TO 23"	10' CENTERS (1X1X1X1/8L)
23 1/2" TO 26 1/2"	10' CENTERS (1X1X1X1/8L)
27" TO 34 1/2"	10' CENTERS (1X1X1X1/8L)
35" TO 40"	6" CENTERS (1X1X1X1/8L)
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.





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

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

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Professional Seal
Consulting Engineers

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Dr. Willard Martz
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Owner: Dr. Willard Martz

Seal:

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COMMISSION NO.:
1233
CADD FILE NAME:
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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	**#12-1/2"		EXISTING		
SMALL APPLIANCES	#12-1/2"		1 20	5			6	2 30	**#10-1/2"		WATER HEATER		
SMALL APPLIANCES	#12-1/2"		1 20	7			8	1 20	**#12-1/2"		EXISTING		
REFRIGERATOR	#12-1/2"		1 20	9			10	2 30	**#10-1/2"		EXISTING AHU-12		
SPACE				11			12	2 30					
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	1 20	**#12-1/2"		EXISTING		
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"		2 35				36	1 20	**#12-1/2"		EXISTING		
EXTERIOR GFI	#12-1/2"		1 20	39			38	2 60	#6-1"		RANGE OVEN		
				41			40						
				42			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 VA = 12,192 VA

EXTERIOR GFI = 400 VA

46,492 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	5			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		
				13			10						
				15			12						
				17			14						
				19			16						
				21			18						
				23			20						

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

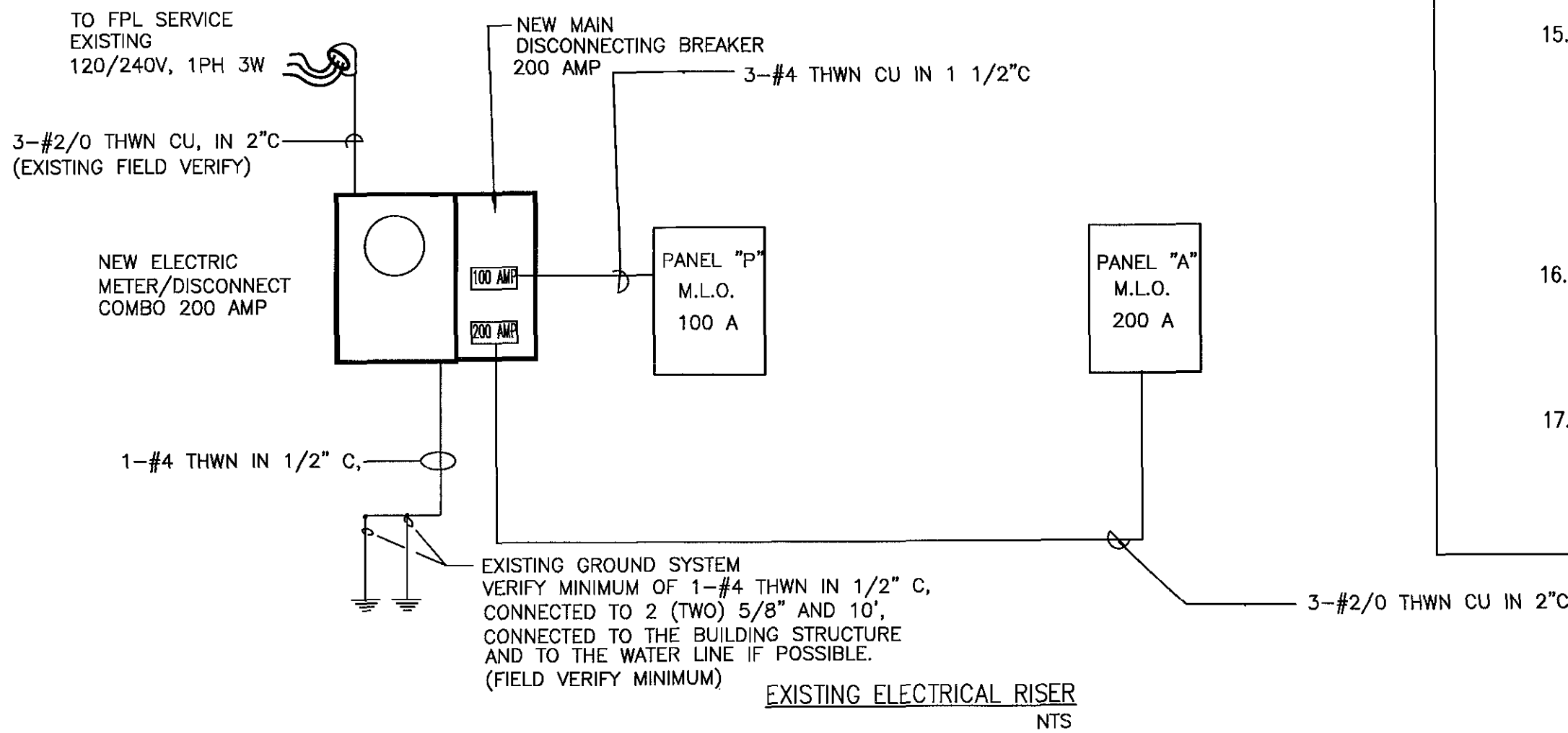
TOTAL CONNECTED LOAD = 17,040 VA

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 WALL MTD. AT 18" A.F.F.		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		ABOVE FINISHED FLOOR
	SPECIAL PURPOSE RECEPTACLE		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/COVER 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:
A) TO PREVENT OVERHEATING AT CONNECTION POINTS USE OXIDE INHIBITING COMPOUND FOR STRIPPED PORTION OF CONDUCTORS INSIDE CONNECTORS.
B) 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" HORIZ. 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.

NEW ELECTRICAL PANEL SCHEDULE "A"														
TYPE : PANEL BOARD			22,000 A.I.C.			MAINS : MLO			BUS RATING : 200 AMP			VOLTAGE : 240/120V-1PHASE-3WIRE-S/N		
MOUNTING : SURFACE														
LOCATION : REFER TO FLOOR PLAN														
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			10	2	30	**#10-1/2"	EXISTING AHU-12			
SPACE				11			12							
MICROWAVE	#12-1/2"		1	20			14	2	30	**#10-1/2"	EXISTING C/U-2			
HOOD FAN	#12-1/2"		1	20			16							
DISHWASHER	#12-1/2"		1	20			18	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		1	20			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			
EXISTING	**#12-1/2"		1	20			36	1	20	**#12-1/2"	EXISTING			
C/U-1 (NON COINCIDENT)	#8-3/4"	SEE CALC.	2	35			38	2	60	#6-1"	RANGE OVEN			
				40			42							
				41										

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

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			10,000 A.I.C.			MAINS : MCB 100A			BUS RATING : 100 AMP			VOLTAGE : 240/120V-1PHASE-3WIRE-S/N		
MOUNTING : SURFACE														
LOCATION : SEE FLOOR PLAN														
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	1			2	1	1,500	#12-1/2"	POOL LIGHTS ***			
GARAGE DOOR	#12-1/2"	1000	1	20			4	1	1,500	#12-1/2"	POOL DECK LIGHTS ***			
DRYER	#10-1/2"	5,000	2	7			6	1	1,200	#12-1/2"	GARAGE GFI & LIGHT			
WASHER	#12-1/2"	1500	1	20			8	1	1,200	#12-1/2"	LAUNDRY RECEPTACLE			
				11			10							
				13			12							
				15			14							
				17			16							
				19			18							
				21			20							
				23			22							

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

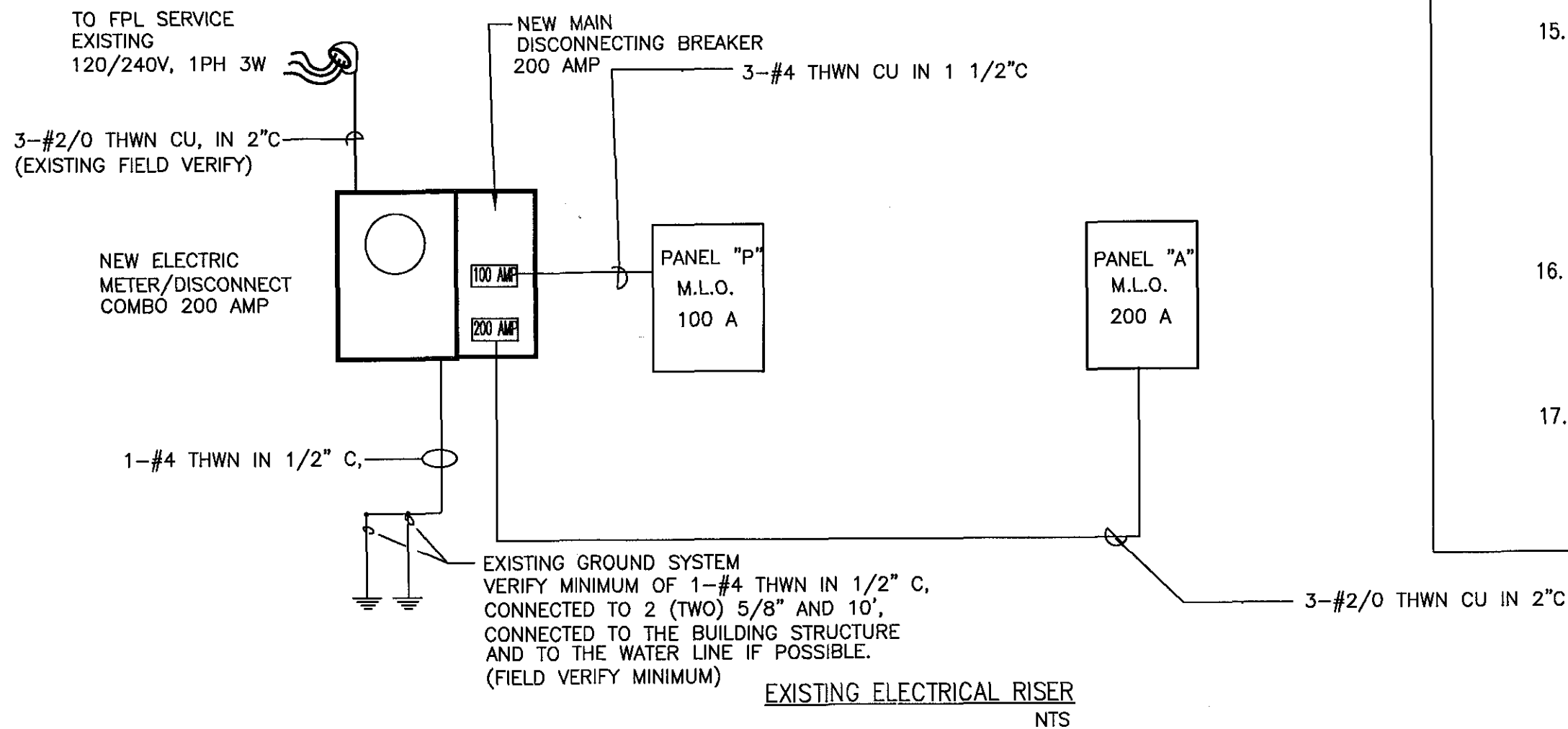
TOTAL CONNECTED LOAD = 17,040 VA

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 CMT LOAD		TELEPHONE OUTLET
	SINGLE RECEPTACLE, 20A, 120V WALL MTD. AT 18" AFF.		DISC. SWITCH- POLE AMP FUSE
	DUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 48" AFF.		DISC. SWITCH- NEMA 3R
	DUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 18" AFF.		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		ABOVE FINISHED FLOOR
	SPECIAL PURPOSE RECEPTACLE		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 FLOOD LIGHT FIXTURE		RECESSED FLUORESCENT LIGHT FIXTURE
	SPEAKER		RECESSED FLUORESCENT LIGHT FIXTURE
			STEP LIGHTING
			UNDERWATER/WATER FOUNTAIN LIGHT

LOAD CALCULATION DEMAND

CONNECTED LOAD PANEL A	=	46,092 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:
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 - 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. 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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SOUTHEAST DESIGN ASSOCIATES, INC.
Architectural Firm
State Certified Architect Corporation
Manuel Perez-Vicente, A.I.A.
5600 NW 36 Street, Suite 327, Miami, FL 33122
Tel: (305) 871 1048
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Consultant:
Interior Renovations
Dr. Willard Martz
790 Lakeview Drive
Miami Beach, FL 33140
Owner: Dr. Willard Martz

Project:
Interior Renovations
Dr. Willard Martz
790 Lakeview Drive
Miami Beach, FL 33140
Owner: Dr. Willard Martz

Seal:

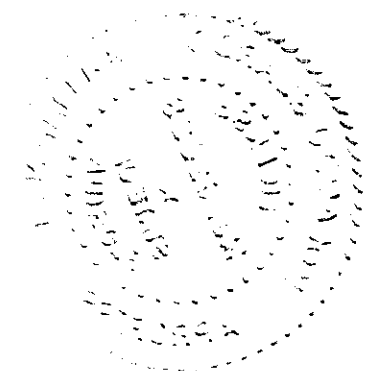
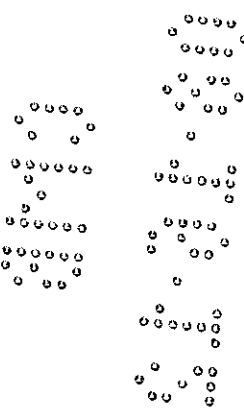
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COMMISSION NO.: 1233
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ISSUED DATE: 07/31/12
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SHEET NO. 2 OF 2

BACK

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790 Lakeview Dr



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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING: 8/12/12
ZONING: 8/12/12
ORD/HPE: 8/12/12
CONCURRENCY: 8/12/12
PLUMBING: 8/12/12
ELECTRICAL: 8/12/12
MECHANICAL: 8/12/12
FIRE PREVENTION: 8/12/12
ENGINEERING: 8/12/12
PAVING WORKS: 8/12/12
STRUCTURAL: 8/12/12
ELEVATOR: 8/12/12

**MIAMI-DADE
COUNTY**

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.miamidade.gov/development/

PGT Industries

1070 Technology Drive

North Venice, FL 34275

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.

MIAMI-DADE COUNTY
APPROVED

J. Gascon
8/21/12

NOA No. 12-0516.02

Expiration Date: October 18, 2017

Approval Date: August 30, 2012

Page 1

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 203-94
along 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 202-94
along 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

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, XXO, OXX, OXO, AND OXOX.

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; ANSI/AIA&PA NDS-2006 FOR WOOD CONSTRUCTION AND ADM-2006 ALUMINUM DESIGN MANUAL.
- B. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

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

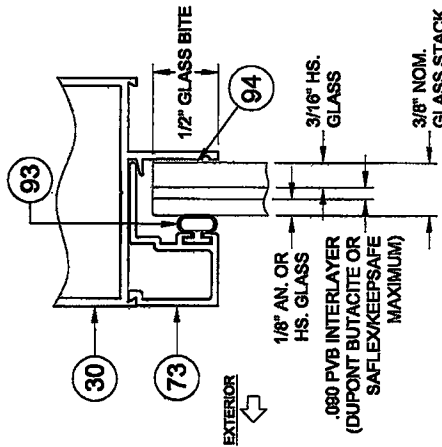
- A. THE LOWER DESIGN PRESSURE FROM TABLE 1, OR 2, PREVAILS.
- B. FULL LENGTH REINFORCEMENT (ITEM 22 SHOWN IN SECTION E-E, SHEET 6), IS REQUIRED ONLY AT ALL DOOR TO SIDE LITE CONNECTIONS FROM TABLE 1, SHT. 2. REFER TO TABLE 2, SHT. 2 FOR DOOR TO SIDE LITE CONNECTIONS WHICH DO NOT REQUIRE ITEM 22 REINFORCEMENT.

NOA DRAWING MAP

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

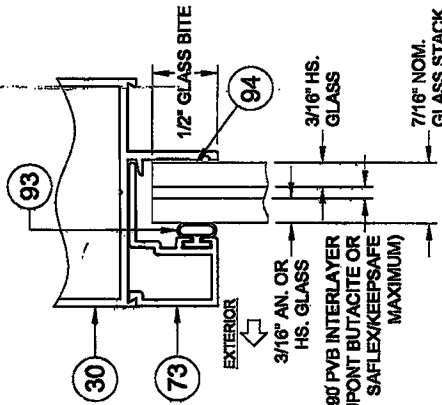
GLASS ABBREVIATIONS

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



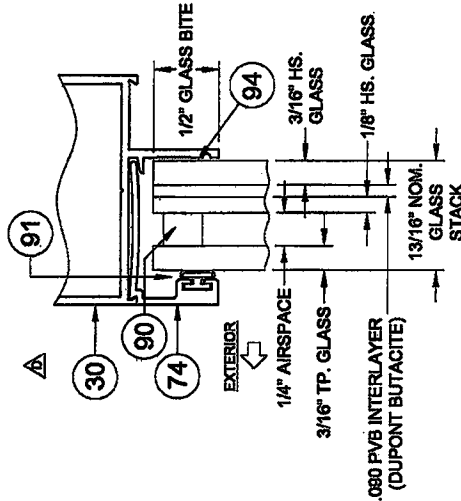
3/8" LAMI NOM.

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 REVIEWED
Verifying with the Florida
Building Code
Assessing No
Exemptions
Exempting Date
12-05/16-02
10/18/2017
By: [Signature]
Miami Photo Product Control

1 ROSOWSKI
04/04/12
NEW TEST REPORT
ALUM. FRENCH DOOR & SIDE LITES, IMPACT
FD-101
NTS
1 OF 10
11005-1
Rev D

NOTES AND GLAZING DETAILS
2012
APR
D
Rev. Light

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

PROFESSIONAL ENGINEER
FLORIDA
No. 58705
ANTHONY LYNN MILLER
P.E. #58705

TABLE 1. DESIGN PRESSURES FOR ALL CONFIGURATIONS

APPROVED CONFIGURATIONS: X, XX, O, OX, XO, OXX, OXX & OXOX
(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	HEIGHT				
	6" - 79 3/4"	7" - 83 3/4"	8" - 87 3/4"	9" - 91 3/4"	10" - 95 3/4"
3" 37 1/2"	+75.0	+75.0	+75.0	+75.0	+75.0
4" 47 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
5" 57 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
6" 67 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
7" 77 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
8" 87 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
9" 97 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
10" 107 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
11" 117 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
12" 127 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
13" 137 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
14" 147 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
15" 157 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
16" 167 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
17" 177 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
18" 187 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
19" 197 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
20" 207 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
21" 217 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
22" 227 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
23" 237 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
24" 247 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
25" 257 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
26" 267 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
27" 277 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
28" 287 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
29" 297 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
30" 307 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
31" 317 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
32" 327 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
33" 337 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
34" 347 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
35" 357 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
36" 367 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
37" 377 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
38" 387 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
39" 397 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
40" 407 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
41" 417 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
42" 427 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
43" 437 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
44" 447 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
45" 457 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
46" 467 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
47" 477 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
48" 487 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
49" 497 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
50" 507 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
51" 517 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
52" 527 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
53" 537 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
54" 547 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
55" 557 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
56" 567 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
57" 577 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
58" 587 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
59" 597 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
60" 607 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
61" 617 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
62" 627 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
63" 637 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
64" 647 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
65" 657 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
66" 667 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
67" 677 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
68" 687 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
69" 697 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
70" 707 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
71" 717 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
72" 727 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
73" 737 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
74" 747 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
75" 757 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
76" 767 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
77" 777 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
78" 787 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
79" 797 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
80" 807 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
81" 817 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
82" 827 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
83" 837 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
84" 847 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
85" 857 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
86" 867 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
87" 877 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
88" 887 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
89" 897 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
90" 907 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
91" 917 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
92" 927 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
93" 937 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
94" 947 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
95" 957 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
96" 967 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
97" 977 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
98" 987 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
99" 997 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0
100" 1007 3/4"	+75.0	+75.0	+75.0	+75.0	+75.0

TABLE 2. DESIGN PRESSURES FOR COMBINED DOOR / SIDE LITES ONLY

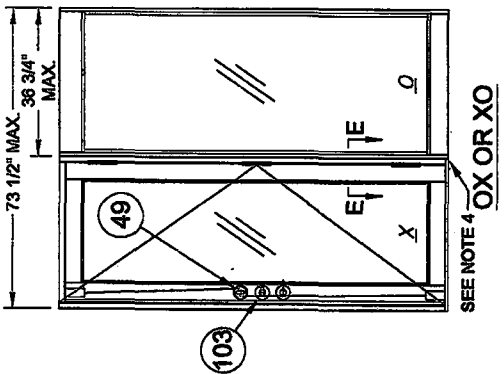
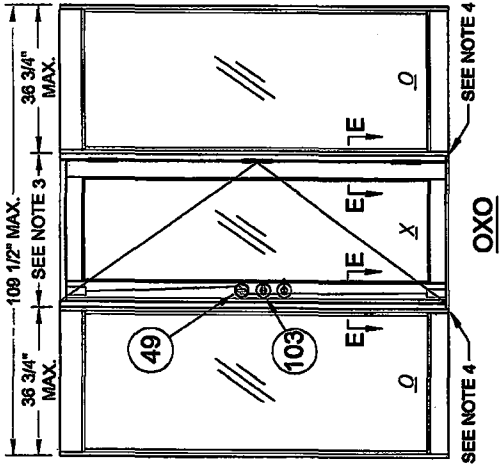
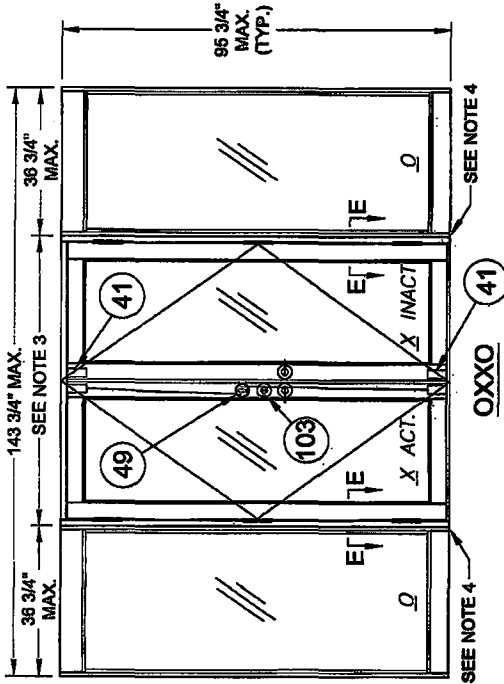
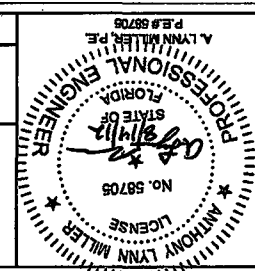
APPROVED CONFIGURATIONS: OX, XO, OXO, XXO, OXX & OXOX
(THE LOWER DP FOR THE DOOR OR SIDE LITE PREVAILS.)
REINFORCEMENT IS NOT REQUIRED AT DOOR & SIDE LITE CONNECTION

GLASS TYPES A, B, C, D OR E							
HEIGHT							
	X WIDTH	XX WIDTH	6" - 79 3/4"	7" - 83 3/4"	87 3/4"	91 3/4"	95 3/4"
SINGLE	2" 25 1/2"	4" 47 3/4"	+58.6	+55.4	+52.4	+49.8	+47.4
	27 1/2"	51 3/4"	+54.9	+51.8	+49.0	+46.5	+44.3
	29 1/2"	55 3/4"	+51.7	+48.8	+46.1	+43.8	+41.6
	2" 31 1/2"	6" 59 3/4"	+49.0	+46.2	+43.6	+41.4	+39.3
SIDE LITE	2" 33 1/2"	6" 63 3/4"	+43.1	+43.1	+41.5	+39.3	+37.3
	35 1/2"	67 3/4"	+38.1	+38.1	+38.1	+37.5	+35.6
	3" 37 1/2"	6" 71 3/4"	+34.0	+34.0	+34.0	+34.0	+34.0
GLASS TYPES A, B, C, D OR E							
	Q WIDTH						
SINGLE	10 3/4"		+75.0	-75.0	+75.0	-75.0	+75.0
	12 3/4"		+75.0	-75.0	+75.0	-75.0	+75.0
	19"		+72.4	-72.4	+68.5	-65.0	+61.9
	21 3/4"		+64.5	-64.5	+61.0	-57.8	+55.0
SIDE LITE	27 3/4"		+62.9	-52.9	+49.9	-47.2	+44.7
	36 1/8"		+35.2	-35.2	+35.2	-35.2	+35.2
	36 3/4"		+34.0	-34.0	+34.0	-34.0	+34.0

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 12-0516-02
Expiration Date 12/31/2017
By: [Signature]
Miami Dade Product Council

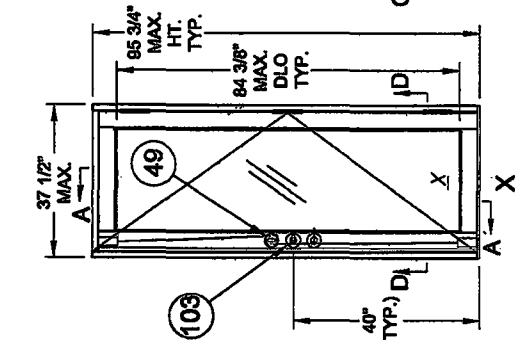
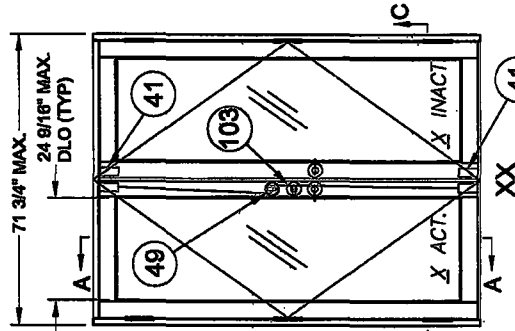
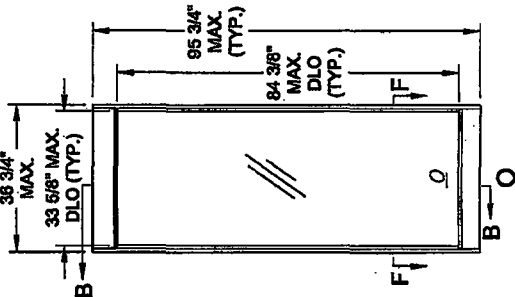
Rev.	Drawn By	Drawn Date	Revisions	Notes	Sheet	Scale	Series/Model	Title	Project
D	J ROSOWSKI	04/04/12		NO CHANGES THIS SHEET	2012			ELEVATIONS	ALUM. FRENCH DOOR & SIDE LITES, IMPACT
									FD-101
									NTS
									3 OF 10
									11005-1
									Rev

CERT. OF AUTH. #22298
NOKOMIS, FL 34274
1070 TECHNOLOGY DRIVE
P.O. BOX 1528
N. VENICE, FL 34275



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"



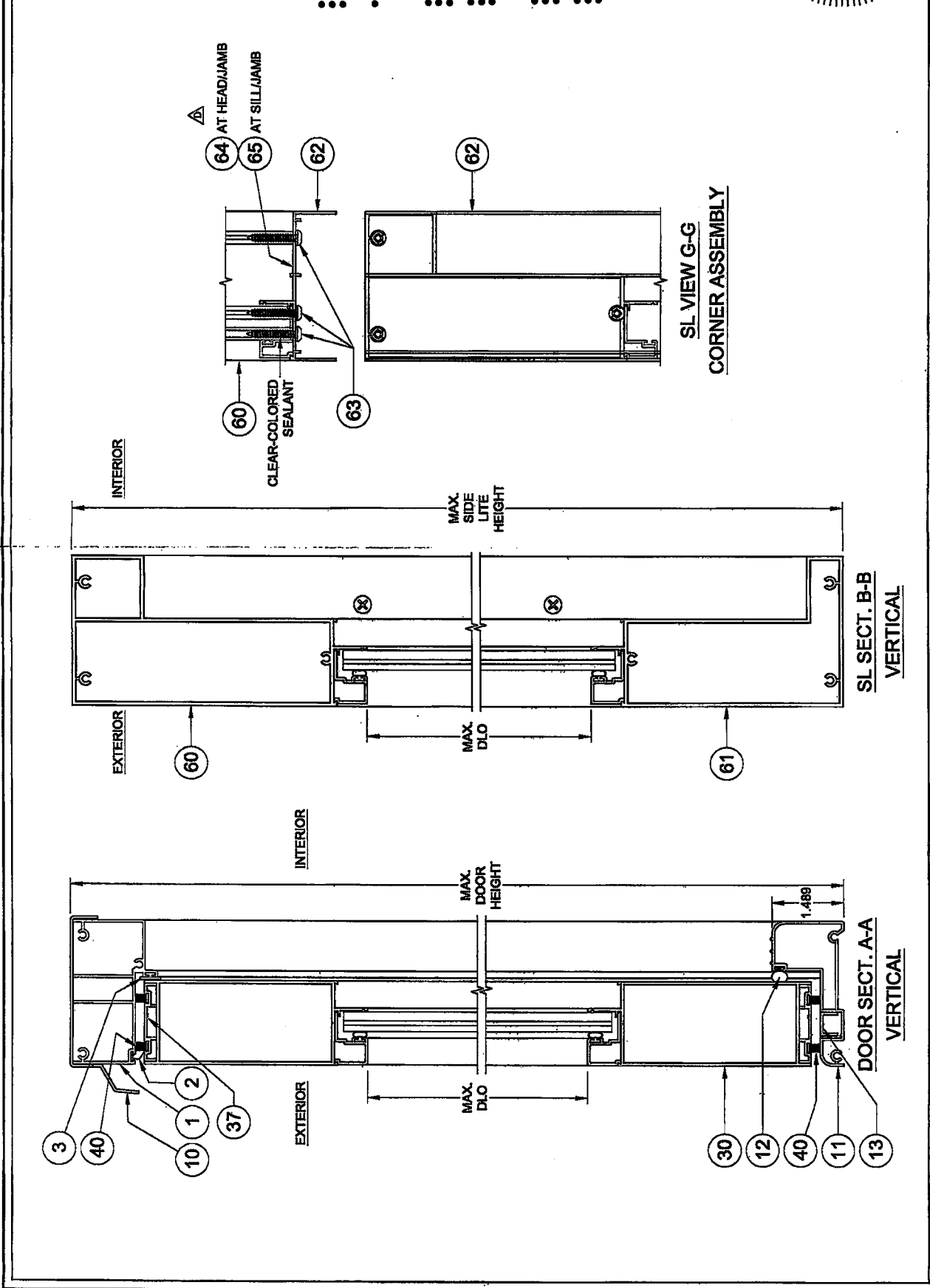
- NOTES:
1. FOR ANCHORAGE DETAILS SEE SHEETS 8 THROUGH 10.
 2. FOR HORIZONTAL AND VERTICAL SECTIONS SEE SHEETS 4 AND 5.
 3. SIDE LITES OVERLAP 'X' AND 'XX' DOORS BY 3/4" WHEN ASSEMBLED TO MAKE 'XO', 'OX', 'OXO', 'XXO', 'OXX' AND 'OXXO' CONFIGURATIONS.
 4. REINFORCEMENT LOCATION FOR SIDE LITE TO DOOR 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)



CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34278
P.O. BOX 1828
NOKOMIS, FL 34274

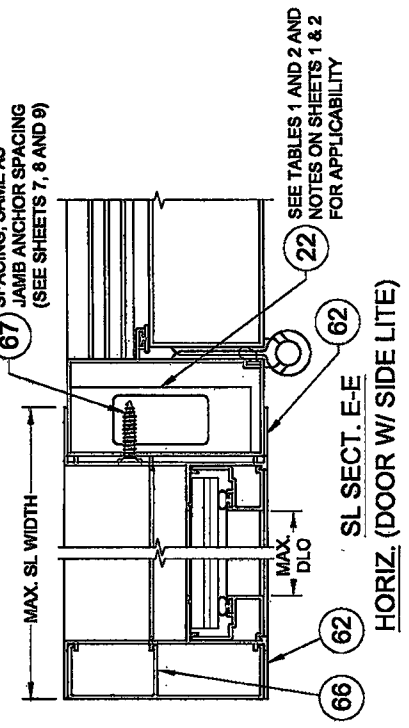
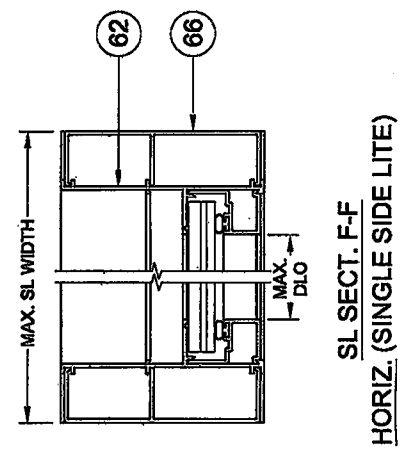
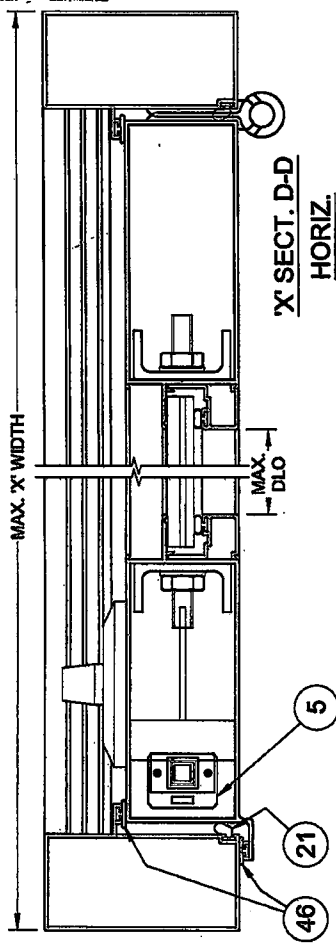
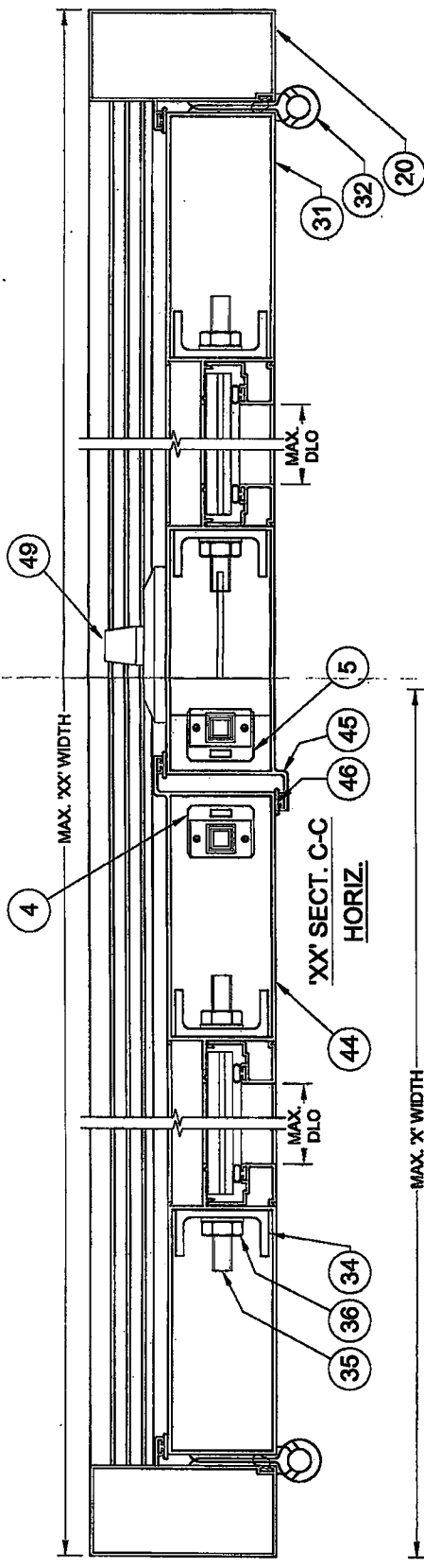
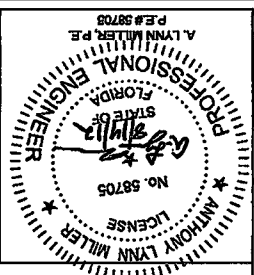
Rev.	2012	APR	ADDED HEAT/SILL	Rev.	2012	APR	ADDED HEAT/SILL
Desc.	GASKET DESCRIPTION						Drawn Date
VERTICAL SECTIONS							
ALUM. FRENCH DOOR & SIDE LITES, IMPACT							
Scale	NTS						Sheet
4 OF 10						Drawing No.	
11005-1						Rev.	
D							

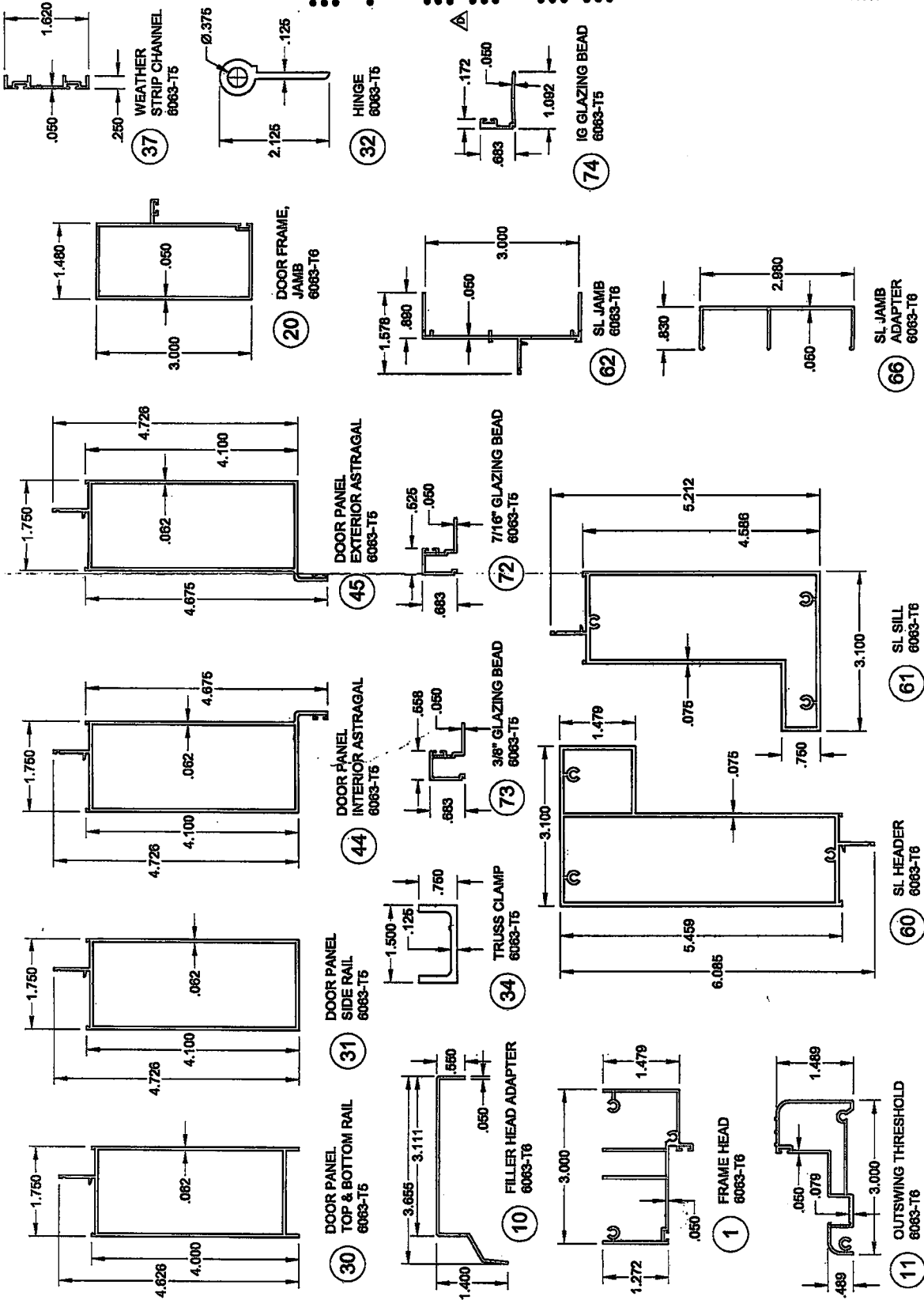
PRODUCT REVIEWED
in compliance with the Florida
Building Code
Inspection No.
Expiry Date
04/04/12
BY: [Signature]
Miami Dade Product Control



PRODUCT RENEWED
 in compliance with the Florida
 Building Code
 Amendment No. 12-0516
 Effective Date 12/01/2017
 Miami Trade Product Control

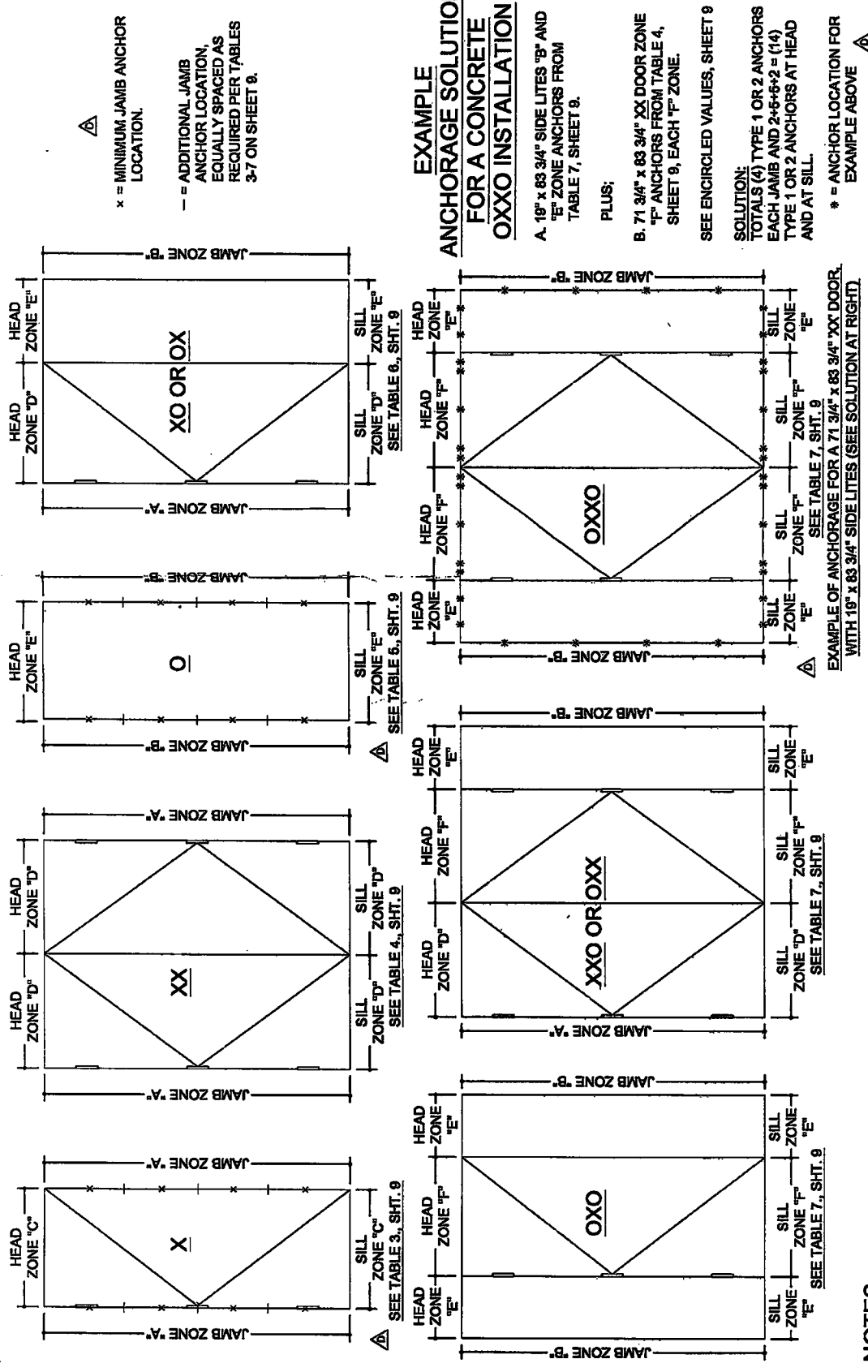
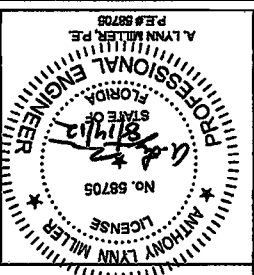
ALUM. FLOOR, DOOR & SIDE LITE, IMPACT Title		1070 TECHNOLOGY DRIVE P.O. BOX 1529 N. VENICE, FL 34275 NOKOMIS, FL 34274 CERT. OF AUTH. #29296	
HORIZONTAL SECTIONS			
2012 APR NO CHANGES THIS SHEET	J ROSOWSKI Drawn By 04/04/12 Drawn Date	FD-101 Series/Model	NTS 5 OF 10 Drawing No. 11005-1
D		R	





PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No.
Expiry Date
12-051602
11/18/2017

Title ANCHORAGE, ELEVATIONS		Scale NTS		Sheet/Block FD-101	
Drawing No. 11005-1		Sheet 8 OF 10		Rev. D	
Description ALUM. FIBRECH. DOOR & SIDE LITES, IMPACT					
Drawn By J ROSOWSKI		Check Date 04/04/12		Rev. D	
Locations CLARIFIED ANCHOR		Year 2012		Rev. D	



EXAMPLE ANCHORAGE SOLUTION FOR A CONCRETE OXOX 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:

1. APPROVED ANCHOR TYPES ARE: 1. 1/4" ELCO TAPCONS 2. 1/4" ELCO SS4 CRETE-FLEX MASONRY ANCHORS 3. #12 SCREWS
2. ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (3" MIN. O.C. FOR CONCRETE); SEE EXAMPLE OXOX 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.
3. TO DETERMINE ANCHOR QUANTITIES FIND THE CONFIGURATION ABOVE THEN REFER TO THE APPROPRIATE TABLES ON SHEET 8.

PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 68705
 STATE OF FLORIDA
 LICENSE

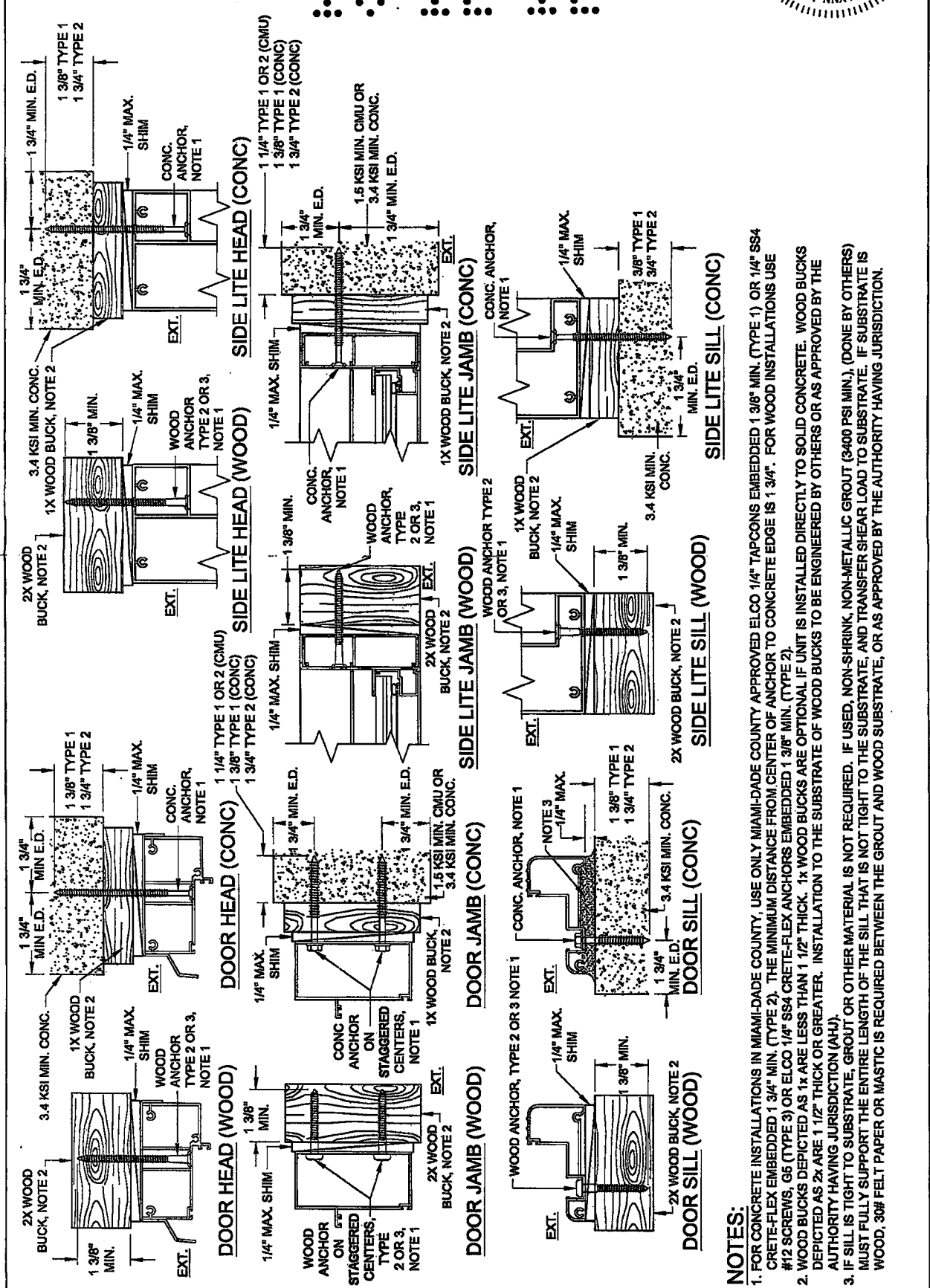
CERT. OF AUTH. #29296
 NOKOMIS, FL 34274
 P.O. BOX 1529
 N. VENICE, FL 34275
 1070 TECHNOLOGY DRIVE

FD-101
 NTS
 10 OF 10
 11005-1
 Rev. D

ANCHORAGE DETAILS
 2012
 SHEET
 NO CHANGES THIS
 J. ROSOWSKI
 04/04/12

ALUM. FRAMING DOOR & SIDE LITES, IMPACT

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptances No.
 Expiration Date: 10/11/16
 By: [Signature]
 Miami Dade Product Council



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

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
2/8/12

NOA No. 11-1114.04
Expiration Date: December 21, 2016
Approval Date: February 16, 2012
Page 1

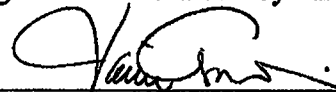
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

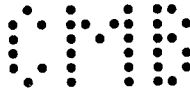
1. Manufacturer's die drawings and sections.
(Submitted under NOA's No.'s 07-0815.09 and 06-0405.06)
2. Drawing No. 4127-10, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "E" dated 10/17/2011, prepared by PGT Industries, Inc., dated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

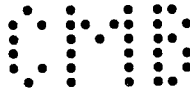
E. MATERIAL CERTIFICATIONS

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

101212

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.

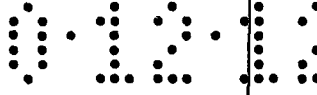
Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.04
Expiration Date: December 21, 2016
Approval Date: February 16, 2012

GENERAL NOTES: IMPACT HORIZONTAL ROLLER FLANGED AND INTEGRAL FIN WINDOW

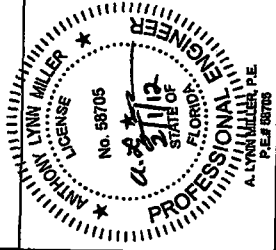
1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2). FOR INSTALLATION ABOVE 30 FT, GLASS TYPES G THRU L MUST HAVE A TEMPERED GLASS CAP.
 - A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .080 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - B. 5/16" LAMI CONSISTING OF (1) LITE 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 IG: (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 IG: (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 IG: (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 IG: (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 IG: (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 IG: (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: OX 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
ANSI/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

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

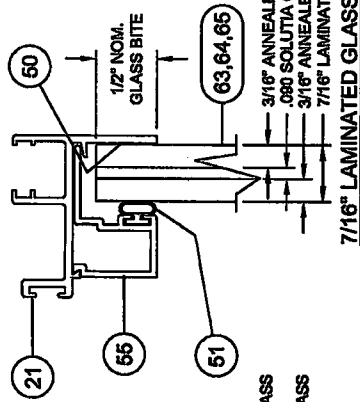


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No.
Expiration Date: 11-11-2004
By: [Signature]
Nathan Davis Product Control

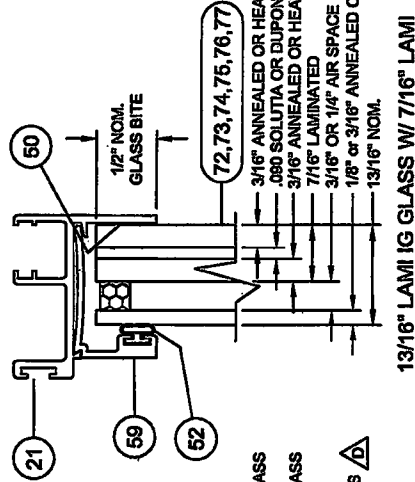


GENERAL NOTES

PGI		1070 TECHNOLOGY DRIVE NOKOMIS, FL 32478		P.O. BOX 1629 NOKOMIS, FL 32474	
Vashly Butler		HRR70		NTS 1 - 11	
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT		4127-10		E	



↓ EXTERIOR INTERIOR ↑
(ALL SECTIONS)

[illegible]

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1111
Registration Date 12/11/11
By *[Signature]*
Miami-Dade Record Management

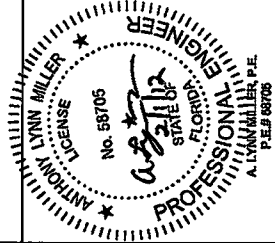


TABLE 1.
XOX (1/4, 1/2, 1/4) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT									
		28"	36"	38 3/8"	48"	50 5/8"	54"	60"	63"		
84"	A,B,G,H	+80.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
96"	A,B,G,H	+80.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+58.8	-58.2
108 3/8"	A,B,G,H	+80.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+55.2	-52.3
108"	A,B,G,H	+80.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+54.6	-51.7
111"	A,B,G,H	+80.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+59.5	-50.9
UP TO 111"	C,I									+60.0	-60.0
UP TO 111"	D,E,F, J,K,L									+75.0	-75.0

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.

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									+60.0	-60.0
TO 86 7/16"	D,E,F, J,K,L									+75.0	-75.0

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

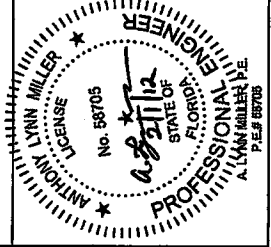
WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT									
		26"	36"	38 3/8"	48"	50 5/8"	54"	60"	63"		
80"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
86"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+70.2	-70.2
72"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+65.2	-65.2
74"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+63.8	-63.8
UP TO 74"	C,D,E,F, I,J,K, L									+75.0	-75.0

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

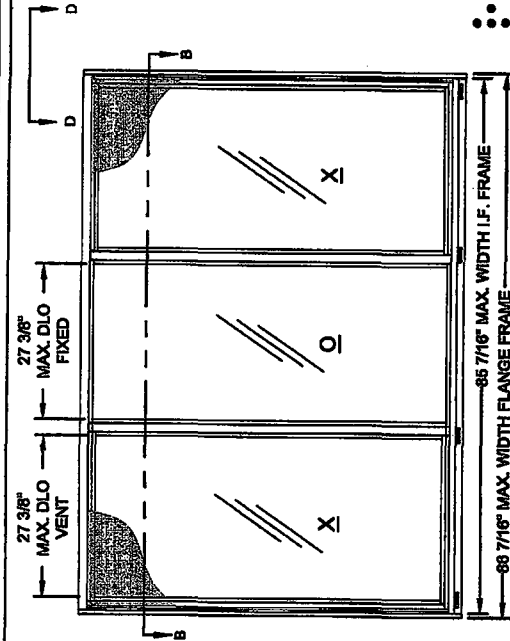
A. 5/16" LAMI - (1/8" A, .080, 1/8" A)	G. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" A, .080, 1/8" A)
B. 5/16" LAMI - (1/8" A, .080, 1/8" HS)	H. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" A, .080, 1/8" HS)
C. 5/16" LAMI - (1/8" HS, .080, 1/8" HS)	I. 13/16" LAMI IG-1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" HS, .080, 1/8" HS)
D. 7/16" LAMI - (3/16" A, .080, 3/16" A)	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)
E. 7/16" LAMI - (3/16" A, .080, 3/16" HS)	K. 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" HS)
F. 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)

Revision J.I. 10/17/11 J.R. 6/20/11 F.K. 4/15/07 F.K. 2/28/09	NO CHANGE THIS SHEET ADDED IG CAP TO BE TEMPERED @ 30FT NOTE ADD INTEGRAL FIN OPTION & UPDATE ASTM E 1300-02 DPs	1070 TECHNOLOGY DRIVE NOKOMIS, FL 32476 P.O. BOX 1838 NOKOMIS, FL 32474	PGI Vradley Better	DESIGN PRESSURES ALLUM. HORIZONTAL ROLLER WINDOW, IMPACT HZ10 NTS 3 @ 11 4127-10 E
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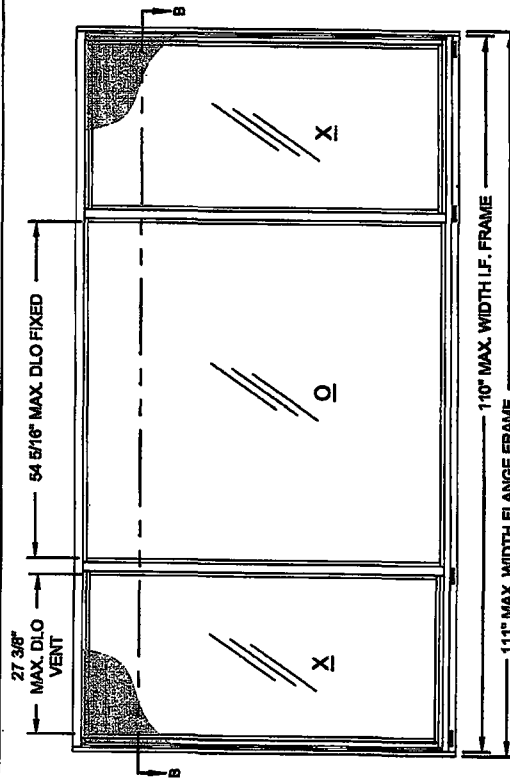
PRODUCT REVISED as complying with the Florida Building Code
 Accepting No. 11-11112-04
 Expiration Date 11/11/2016
 Miami Dade Product Control



0313



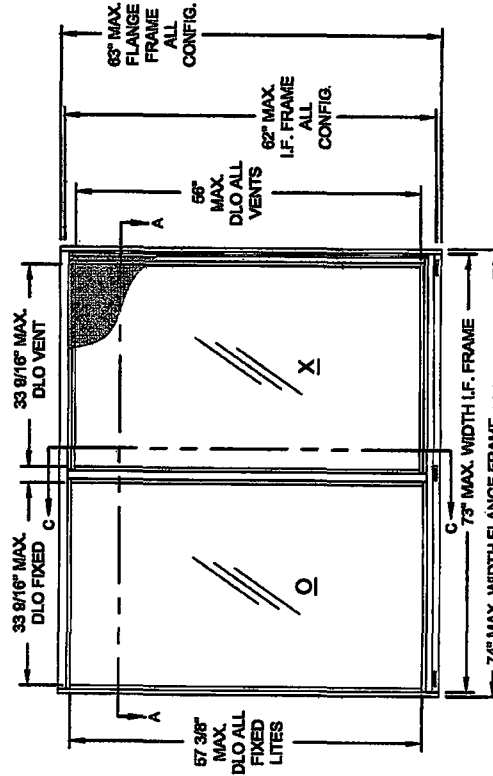
DETAIL C - XOX (1/3-1/3-1/3)



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

NOTE:

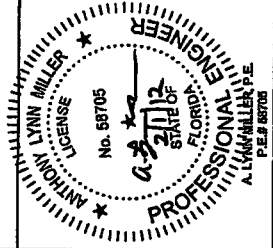
1. SEE SHEET 6 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.



DETAIL A - OX OR XO

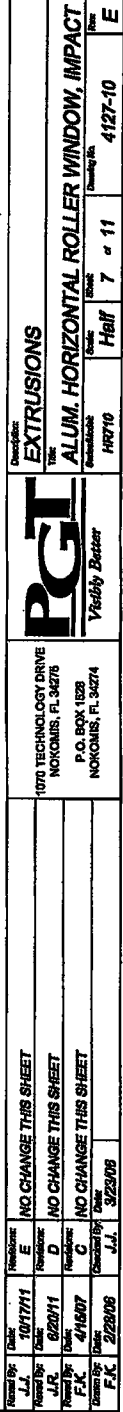
VIEW D-D
(FRAME CORNER CONSTRUCTION)

PRODUCT REVISED
to comply with the Florida
Building Code
Aspection No. 11-1114.04
Expiration Date 11/11/2016
Miami Trade Product Control



Revised By: J.J.	10/17/11	NO CHANGE THIS SHEET	Revision: E
Revised By: J.J.	10/17/11	NO CHANGE THIS SHEET	Revision: D
Revised By: F.K.	4/15/07	NO CHANGE THIS SHEET	Revision: C
Revised By: F.K.	2/28/06	NO CHANGE THIS SHEET	Revision: B
Revised By: F.K.	2/28/06	NO CHANGE THIS SHEET	Revision: A

1070 TECHNOLOGY DRIVE NOKOMIS, FL 32476 P.O. BOX 1829 NOKOMIS, FL 32474	PGI Vidley Better	ALUM. HORIZONTAL ROLLER WINDOW, IMPACT	NTS	4 or 11	4127-10	E
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NOTES:

- ANCHOR TYPES:
1 - 1/4" ELCO TAPCONS 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREWS (G6)
- GLASS TYPES:
A. 5/16" LAMI - (1/8" A, .080, 1/8" HS)
B. 5/16" LAMI - (1/8" A, .080, 1/8" HS)
C. 5/16" LAMI - (1/8" HS, .080, 1/8" HS)
D. 7/16" LAMI - (3/16" A, .080, 3/16" HS)
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 - (1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A, .080, 1/8" HS)
H. 13/16" LAMI - (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 - (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 - (1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (3/16" A, .080, 3/16" HS)
K. 13/16" LAMI - (1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" LAMI - (3/16" A, .080, 3/16" HS)
L. 13/16" LAMI - (1/8" OR 3/16" A (MIN.), 5/16" OR 3/8" SPACE, 5/16" 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.

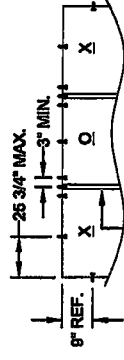
3. WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.

HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE

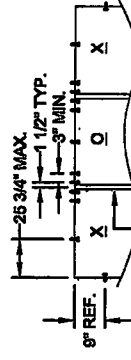
JAMBS: 8" MAX. FROM CORNERS

TABLE KEY: 1-C3+1-C3+1 3

HEAD AND SILL ANCHOR QUANTITIES A CLUSTER OF (3) ANCHORS CENTERED ON EACH MEETING RAIL PLUS (1) ANCHOR AT EACH OPERABLE VENT PLUS (1) ANCHORS AT FIXED SECTION. (9) ANCHORS TOTAL AT HEAD AND SILL. (3" MIN. O.C. ANCHOR SPACING)



EXAMPLE CLUSTER W/ QTY. OF (3) ANCHORS (SHOWN IN TABLE KEY ABOVE)



EXAMPLE CLUSTER W/ QTY. OF (4) ANCHORS

ANCHOR QUANTITIES, XOX (1/3-1/3-1/3) WINDOWS									
ANCHOR TYPE & SUBSTRATE	GLASS TYPES A,B,G,H								
	2,3 WOOD ZONES	2, CONC ZONES	1, CONC ZONES	2,3 WOOD ZONES	2, CONC ZONES	1, CONC ZONES	2,3 WOOD ZONES	2, CONC ZONES	1, CONC ZONES
WINDOW SIZE W x H	HEAD & SILL	HEAD & SILL	JAMBS	HEAD & SILL	HEAD & SILL	JAMBS	HEAD & SILL	HEAD & SILL	JAMBS
48,000 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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
63,125 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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
63,000 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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
86,437 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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
88,437 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 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1	2 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1
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 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1	3 1+C2+1+C2+1



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34276
P.O. BOX 1899
NOKOMIS, FL 34274

ADDED 1/3 CAP TO BE TEMPERED @ 1/3" NOTE.
UPDATE TABLE & SELECT VALUES DUE TO ANCHOR CAP. ADL

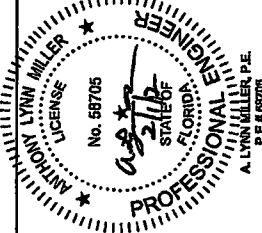
NO CHANGE THIS SHEET

10/17/11
J.L. 302908

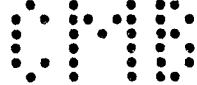
ANCHORAGE SPACING, XOX (1/3-1/3-1/3)
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

NTS 9 x 11 4127-10 E

VALLEY BROTHERS



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No.
Exempted from
Minimum Details Product Control



ANCHOR QUANTITIES, XO & OX WINDOWS

TABLE 6

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

NOTES:

- ANCHOR TYPES:
1 - 1/4" ELCO TAPCONS 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREWS (G6)
- GLASS TYPES:
A. 5/16" LAMI - (1/8" A, 0.00, 1/8" A)
B. 5/16" LAMI - (1/8" A, 0.00, 1/8" A)
C. 5/16" LAMI - (3/16" A, 0.00, 1/8" A)
D. 7/16" LAMI - (3/16" A, 0.00, 1/8" A)
E. 7/16" LAMI - (3/16" A, 0.00, 3/16" HS)
F. 7/16" LAMI - (3/16" HS, 0.00, 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, 0.00, 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, 0.00, 1/8" HS)
I. 13/16" LAMI IG - 1/8" OR 3/16" A (MIN), 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, 0.00, 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, 0.00, 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, 0.00, 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, 0.00, 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.

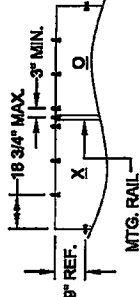
3. WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.

HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE.
JAMBS: 8" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.

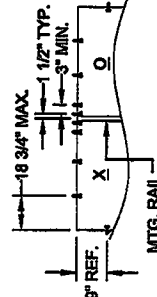
TABLE KEY:



(3\"/>

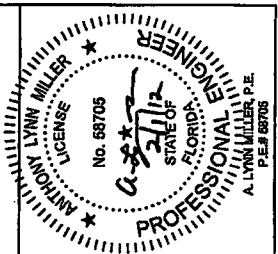


EXAMPLE CLUSTER W/ QTY. OF (3) ANCHORS (SHOWN IN TABLE KEY ABOVE)

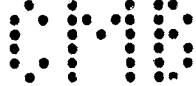


EXAMPLE CLUSTER W/ QTY. OF (4) ANCHORS

PGI 1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474		1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474	
1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474		1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474	
1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474		1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474	
1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474		1070 TECHNOLOGY DRIVE NOKOMIS, FL 33478 P.O. BOX 1659 NOKOMIS, FL 33474	

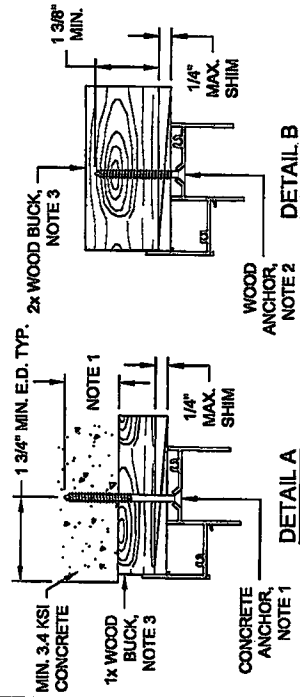


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No.
Examination Date
By: [Signature]
Admitt Trade Product Control

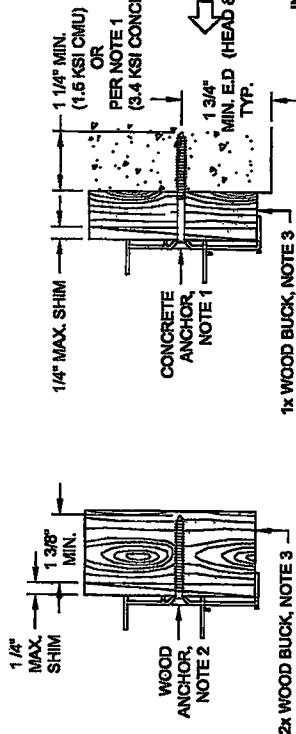


NOTES:

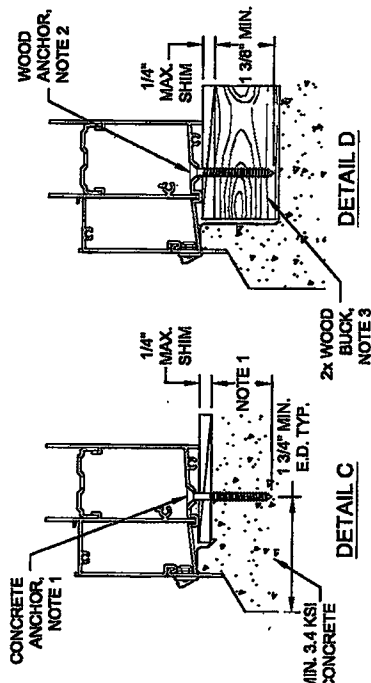
1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS EMBEDDED 1 3/8" MIN. OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". FLATHEAD ANCHORS MUST BE #12 TRIMFIT HEAD.
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G6) OR 1/4" SS4 CRETE-FLEX WITH #12 TRIMFIT HEAD.
3. 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.
4. 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.
5. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.



DETAIL A
TYPICAL FLANGE FRAME HEAD SECTIONS



DETAIL B
TYPICAL FLANGE FRAME HEAD SECTIONS



DETAIL C
TYPICAL FLANGE FRAME SILL SECTIONS

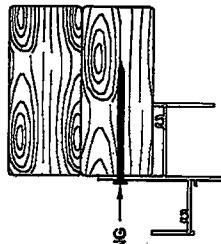
TYPICAL FLANGE FRAME SILL SECTIONS

Revised By	Date	Revised By	Date
J.L.	10/17/11	E	
J.L.	8/20/11	D	
F.K.	4/16/07	C	
F.K.	2/28/06	J.L.	3/23/06

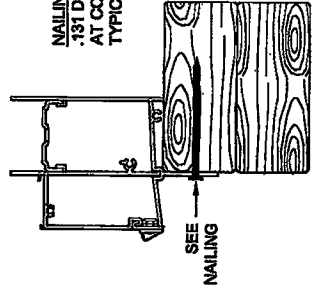
NO CHANGE THIS SHEET
NO CHANGE THIS SHEET
REVISE NOTES 1 & 2 REGARDING TRIMFIT HD. & EMBEDMENT.
ADD L.F. FRAME CHG. NOTE 5 TO FSC, CURRENT EDITION.

PGI
Veddy Better
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1699
NOKOMIS, FL 34274

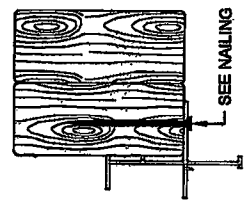
ANCHORAGE DETAILS
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
1/4\"/>



DETAIL H (HEAD)



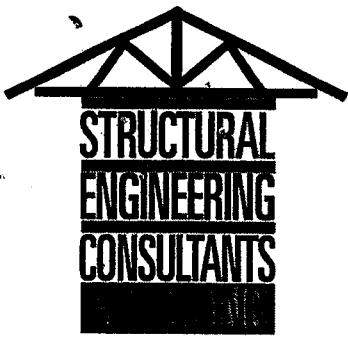
DETAIL G (SILL)



DETAIL I (JAMB)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114-04
Expiration Date 11-11-2016
By [Signature]
Miami Dade Product Control

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:

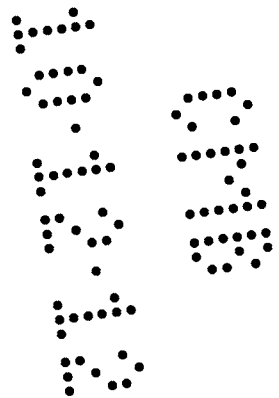
790 LAKEVIEW DRIVE
MIAMI BEACH, FLORIDA
MIAMI-DADE COUNTY

OCTOBER 4, 2012

PREPARED BY:
CARLOS M. PEREZ, P.E.
STRUCTURAL ENGINEER
FL. P.E.#: 54844
E.B.#: 007781

"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

$$q_h = 0.00256 K_h K_{zt} K_d V^2$$

$$q_h = 0.00256 (1.105) (1.00) (1.00) (175)^2$$

$$q_h = 86.7 \text{ PSF}$$

$$K_d = 1.00; K_{zt} = 1.00$$

$$\text{VELOCITY PRESS. EXPOSURE COEF. (K}_h\text{)} = 1.105$$

(FROM TABLE 30.3-1)

$$\text{ROOF SLOPE} = 4/12$$

$$\text{BLDG. "W" \& NARROWEST DIM.} = 60' - 8"$$

$$\text{MEAN ROOF HEIGHT (h)} = 22' - 6"$$

$$a \text{ (CORNER DISTANCE FOR ZONE 5):}$$

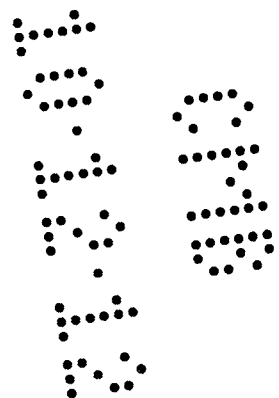
$$a = 0.4 \times 22' - 6" = 9' - 0"$$

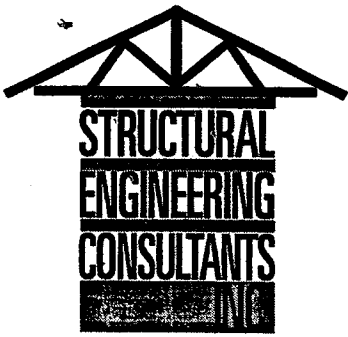
$$a = 0.1 \times 60' - 8" = 6' - 1" \leftarrow$$

$$P_{\text{net}} = [q_h (GC_p) \pm q_h (GC_s)] \times 0.60$$

$$\text{WHERE } GC_s = \pm 0.18$$

ZONE:	WINDOWS CRIT. AREA < 10 ft ²		DOORS CRIT. AREA = 19 ft ²	
	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"

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

32067

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE ENGINEER

1. *Yours* *tr* *10/12/12* *12/12*

JOB NAME :

RESIDENCE

790 LAKE VIEW DRIVE

MIAMI BEACH, FL

10/12/12
Ar 10/12/12

OFFICE OF THE CITY OF MIAMI

NOTICE: In addition to the additional restrictions to the Public Records Law, 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.

PERMITTED WORKS:

- BUILDING
- PLUMBING
- ELECTRICAL
- Mechanical
- FIRE PREVENTION
- ENGINEERING
- PUBLIC WORKS
- STRUCTURAL
- ELEVATOR

790 Lakewood Dr.

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~~

00750000

FLORIDA PROFESSIONAL ENGINEERING
STATE OF FLORIDA
No. 54444
LICENSED PROFESSIONAL ENGINEER

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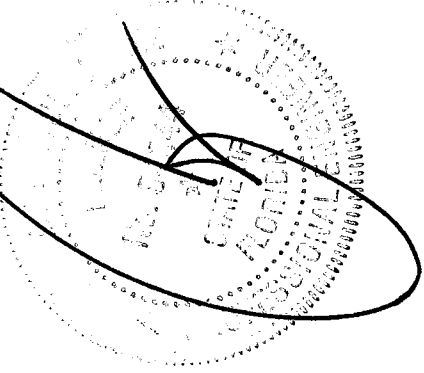
	DATE:	10/05/12
	SCALE:	3/16" = 1'
	DWG. BY:	MR.Z.
	JOB #:	10-2012
	1 of 4	



FIRST FLOOR

SPENCER & COMPANY, INC. 10000
CHATTANOOGA, TENN. 37403
CARLOS M. P. P.E.
STRUCTURAL ENGINEER
FLORIDA P.E. No. 54044

~~OCT 05 2012~~



REVISION:	
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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
	<div>3 of 4</div>	

NOTE 1 : WINDOW FRAMES/MILLION ANCHORAGE TO MAIN STRUCTURE SHALL BE IN STRICT ACCORDANCE WITH THE UNIT'S NOTICE OF ACCEPTANCE-REFER TO PRODUCT'S 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 (I.E. BEAMS/COLUMNS/FRAMING,ETC) SHALL BE DESIGNED BY OTHERS TO WITHSTAND THE LOADS POSED 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 48" MUST HAVE TRUSSED FLOOR JOISTS OR ANOTHER APPROVED METHOD OF SUPPORT.

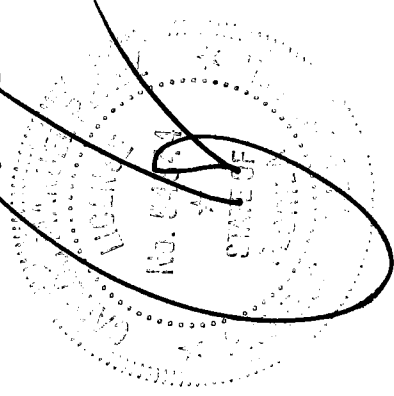
OR WITH A DEVICE THAT WILL PREVENT WINDOWS FROM OPENING MORE THAN 4" (DEVICE INSTALLED AT EGRESS WINDOWS SHALL BE REMOVABLE IN CASE OF EMERGENCY). IF SASH STOP CLIPS ARE USED, THESE ARE TO BE REMOVABLE FOR RESCUE / ESCAPE PURPOSES ONLY.

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



7" X 38-3/8" (QO)	74° X 38-3/8" (QO)
HR-701 ALUMINUM HORIZONTAL BLIND WINDOW-L.M.I.	HR-701 ALUMINUM HORIZONTAL BLIND WINDOW-L.M.I.
N.O.A.: 11-1114.04	N.O.A.: 11-1114.04
ZONE 4: +61.4 -66.5	ZONE 4: +61.4 -66.5
GLAZING: 5/16" LAMINATED IMPACT RESISTANT GLASS	GLAZING: 5/16" LAMINATED IMPACT RESISTANT GLASS
EXTERIOR LITE: 1/8" ANN. GLASS	EXTERIOR LITE: 1/8" ANN. GLASS
690 DUPONT BUTACITE OR SAFLEX KEEPSAFE	690 DUPONT BUTACITE OR SAFLEX KEEPSAFE
MAGNUM INTERLAYER	MAGNUM INTERLAYER
INTERIOR LITE: 1/8" ANN. GLASS	INTERIOR LITE: 1/8" ANN. GLASS
34-1/2" X 65" (NOMINAL)	34-1/2" X 65" (NOMINAL)
FD-101 OUTSWING FRENCH DOOR- L.M.I.	FD-101 OUTSWING FRENCH DOOR- L.M.I.
N.O.A.: 12-0516.02	N.O.A.: 12-0516.02
ZONE 4: +58.8 -64.0	ZONE 4: +58.8 -64.0
GLAZING: 3/8" LAMINATED IMPACT RESISTANT GLASS	GLAZING: 3/8" LAMINATED IMPACT RESISTANT GLASS
EXTERIOR LITE: 1/8" ANN. GLASS	EXTERIOR LITE: 1/8" ANN. GLASS
690 DUPONT BUTACITE PVB OR SAFLEX	690 DUPONT BUTACITE PVB OR SAFLEX
KEEPSAFE MAGNUM INTERLAYER	KEEPSAFE MAGNUM INTERLAYER
INTERIOR LITE: 3/16" H.S. GLASS	INTERIOR LITE: 3/16" H.S. GLASS

~~OCT 05 2012~~



REVISION:	
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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
	4 of 4

NOTE 1: WINDOW FRAMES/MILLION ANCHORAGE TO MAIN STRUCTURE SHALL BE IN STRICT ACCORDANCE WITH THE UNITS 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.G. BEAMS/COLUMNS/RAMMING, ETC) SHALL BE DESIGNED BY OTHERS TO WITHSTAND THE LOADS POSED BY THE GLAZING. NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THEIR ADEQUACY.

NOTE 4: ALL GRESS 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. THE BARRIER SHALL BE REMOVABLE BY HAND OR BY THE USE OF A REMOVABLE TOOL. IF THE SAME IS INSTALLED ON GRESS WINDOWS SHALL BE REMOVABLE IN CASE OF EMERGENCY. IF SAME 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.



ELEVATION

33" X 35-1/2" CRO
HORIZONTAL ALUMINUM SLIDING WINDOW-L.M.I.
LITE 1/8" ANN. GLASS
GLAZING LITE 1/6" ANN. GLASS
EXTERIOR LITE 1/8" ANN. GLASS
090 DUPONT ECLAIR OR SAFLEX KEEPSAFE
MAXIMUM INTER-LAYER
INTERIOR LITE 1/8" ANN. GLASS

B1300223

790 LAKEVIEW
SR

OFFICE COPY

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY

THE
A. M. K. K. K.

BUILDING:

ZONING:

DRAWING:

CON:

EL:

EL:

ME:

SE:

SE:

SE:

SE:

SE:

SE:

10/12/12
A. M. K. K. K.

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	1			2	1	20	**#12-1/2"	EXISTING			
SMALL APPLIANCES	#12-1/2"		2	3			4	1	20	**#12-1/2"	EXISTING			
SMALL APPLIANCES	#12-1/2"		2	5			6	2	30	**#10-1/2"	WATER HEATER			
REFRIGERATOR	#12-1/2"		2	7			8	2	30	**#10-1/2"	EXISTING AHU-12			
SPACE			2	9			10	2	30	**#10-1/2"	EXISTING C/U-2			
MICROWAVE	#12-1/2"		2	11			12	2	30	**#10-1/2"	EXISTING			
HOOD FAN	#12-1/2"		2	13			14	2	30	**#10-1/2"	EXISTING			
DISHWASHER	#12-1/2"		2	15			16	2	30	**#10-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	17			18	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	19			20	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	21			22	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	23			24	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	25			26	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	27			28	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	29			30	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	31			32	1	20	**#12-1/2"	EXISTING			
EXISTING	**#12-1/2"		2	33			34	1	20	**#12-1/2"	EXISTING			
C/U-1 (NON COINCIDENT)	#6-3/4"		2	35			36	1	20	**#12-1/2"	EXISTING			
EXTERIOR GFI	#12-1/2"		2	37			38	2	60	#6-1"	RANGE OVEN			
			2	39			40	2	60	#6-1"	RANGE OVEN			
			2	41			42	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

46,492 VA

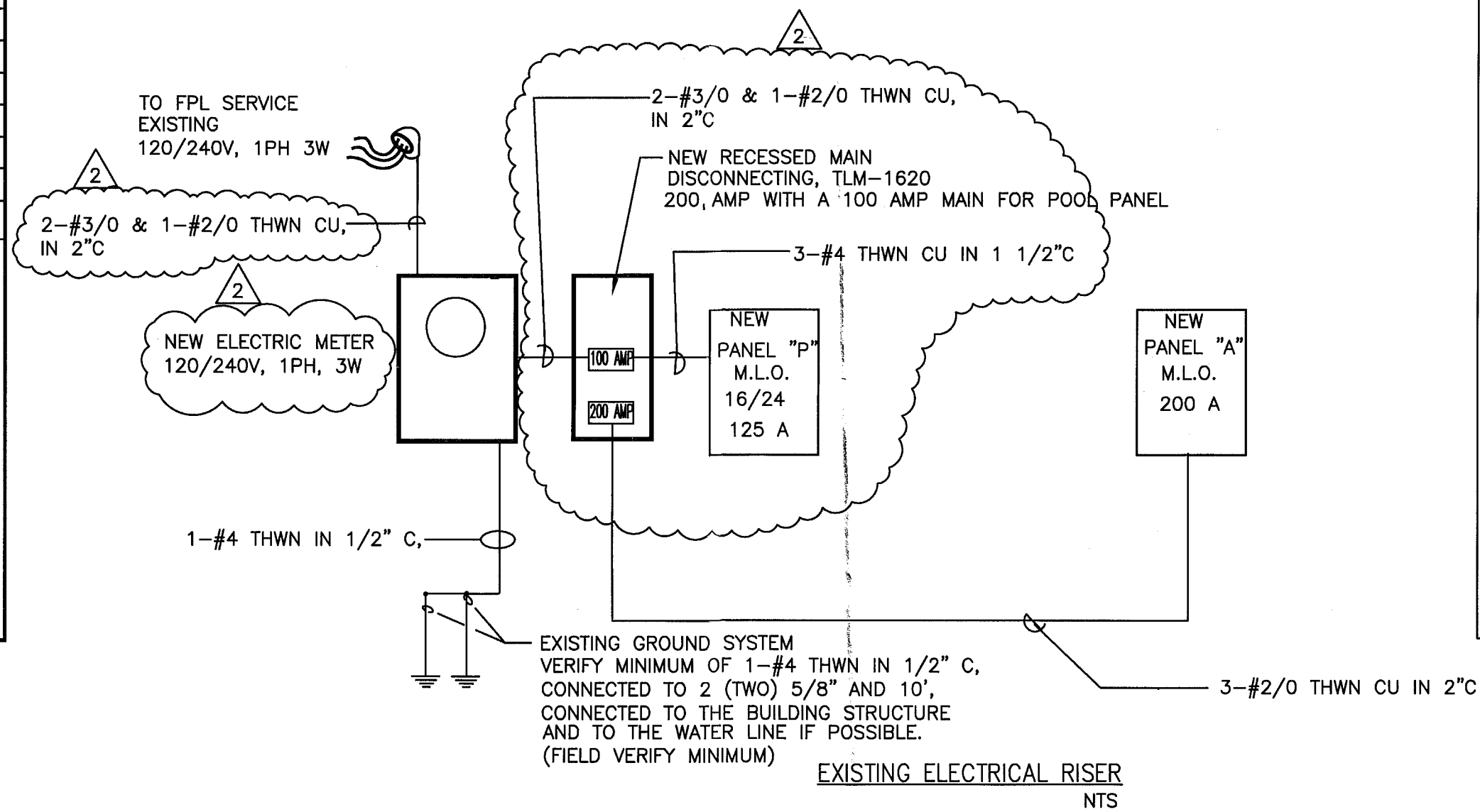
TOTAL CONNECTED LOAD = 46,492 VA

TOTAL CONNECTED AMPS = 194 AMP

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TOGGLE SWITCH, SINGLE POLE, 20 A		SMOKE DETECTOR-SINGLE STATION
	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
	DUPLEX RECEPTACLE, 20A, 120V WALL MTD. AT 48" A.F.F.		ELECTRICAL PANEL FLUSH MOUNTED
	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		ABOVE FINISHED FLOOR
	SPECIAL PURPOSE RECEPTACLE		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 FLOOD 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 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 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: _____
CONCURRENCE: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PROTECTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

SOUTHEAST DESIGN ASSOCIATES, INC.
ARCHITECTURE PLANNING
State Certified Architect Corporation
Lic. No. AR-000237
Lic. No. AR-000747
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Manuel Perez-Viehot, A.I.A.
5600 NW 36 Street, Suite 327, Miami, FL 33122
www.sadinc.com

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P.E. # 44028
Resale Grade P.E. # 44028
ENGINEERING INC.
CONSULTING ENGINEERS

Interior Renovations
Dr. Willard Martz
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Dr. Willard Martz

Project:
Seal:
COMMISSION NO.:
1233
CADD FILE NAME:
1233-A2
ISSUED DATE:
07/31/12
SCALE:
AS SHOWN
DRAWN BY:
OS
DRAWING TITLE:
ELECTRICAL NOTES AND LEGEND
SHEET NO.

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

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ELECTRICAL NOTES AND LEGEND
SHEET NO.
E-2
OF E-2
SHEET 2 OF 2

790 Lakeview Dr.

MASTER B1205223