

9740

Owner CARLOS GIL JR.

Lot 12 Block 3

Subdivision SAN MARINO

General Contractor Owner

Architect CARLOS A MARTI

Zoning Regulations: Use RS-4 Area

Building Size: Front 53' 8" Depth

Certificate of Occupancy No.

Type of Construction Typ. III protected

Foundation concrete piles

Roof cement tile

Date March 4, 1982

PLUMBING Contractor Group I

Sewer Connection

Date

Temporary Water Closet

Water Closets

Lavatories

Bath Tubs

Showers

Urinals

Sinks

Dish Washing Machine

Laundry Trays

Laundry Washing Machines

Drinking Fountains

Floor Drains

Grease Traps

Safe Wastes

AIR CONDITIONING Contractor

SEPTIC TANK Contractor

OIL BURNER Contractor

SPRINKLER Contractor

Swimming Pool Traps

Steam or Hot Water Boilers

ROUGH APPROVAL

FINAL APPROVAL

Down Spouts

Wells

GAS Contractor

Gas Ranges

Gas Water Heaters

Gas Space Heaters

Gas Refrigerators

Gas Steam Tables

Gas Broilers

Date

Gas Frylators

Gas Pressing Machine

Gas Vents for Stove

GAS Rough APPROVAL

GAS FINAL APPROVAL

ELECTRICAL Contractor

OUTLETS

Switches

Lights

Receptacles

Ranges

Irons

Refrigerators

Fans

Motors

Appliances

HEATERS

Water

Space

FIXTURES

Electrical Contractor

Date

Temporary Service

Neon Transformers

Sign Outlets

Meter Change

Centers of Distributions

Service

Violations

Date

FINAL APPROVAL

By

Date

**Building Permits:** #90607 3/24/82 Jet Pool Corp - swimming pool and deck \$7,000.

#MO\_5882--Norco A/C & Refrig.-- Install 3 CAC 3 TonA/C, heating & cooling with 10KW strip heater--8/17/82

#22813 9/22/82 Biscayne Roofing Co - ~~new~~ roof 56 sq. \$20,000. new const.

ELECTRIC PERMITS: #77987 5/25/82 Omni Elect - 37 switch outlets, 81 light outlets, 73 receptacles, 400 service size in amps, 6 appliance outlets, 1 range top, 1 oven, 2 water heater, 1 motor 0-1 hp  
3 air cond

#78124--Ocean Electric--Swimming Pool wiring--8/16/82

#78625 5/27/83 Omni Elect - 1 range top, 1 oven, 2 motors 0-1 hp, 1 a/c window, 3-10 kw strip heater, 1 trash compactor  
2 refrig, 1 dishwasher, 1 dryer, 2apl circ

PLUMBING PERMITS: #60152 4/6/82 Independent Plumb - 1 pool piping

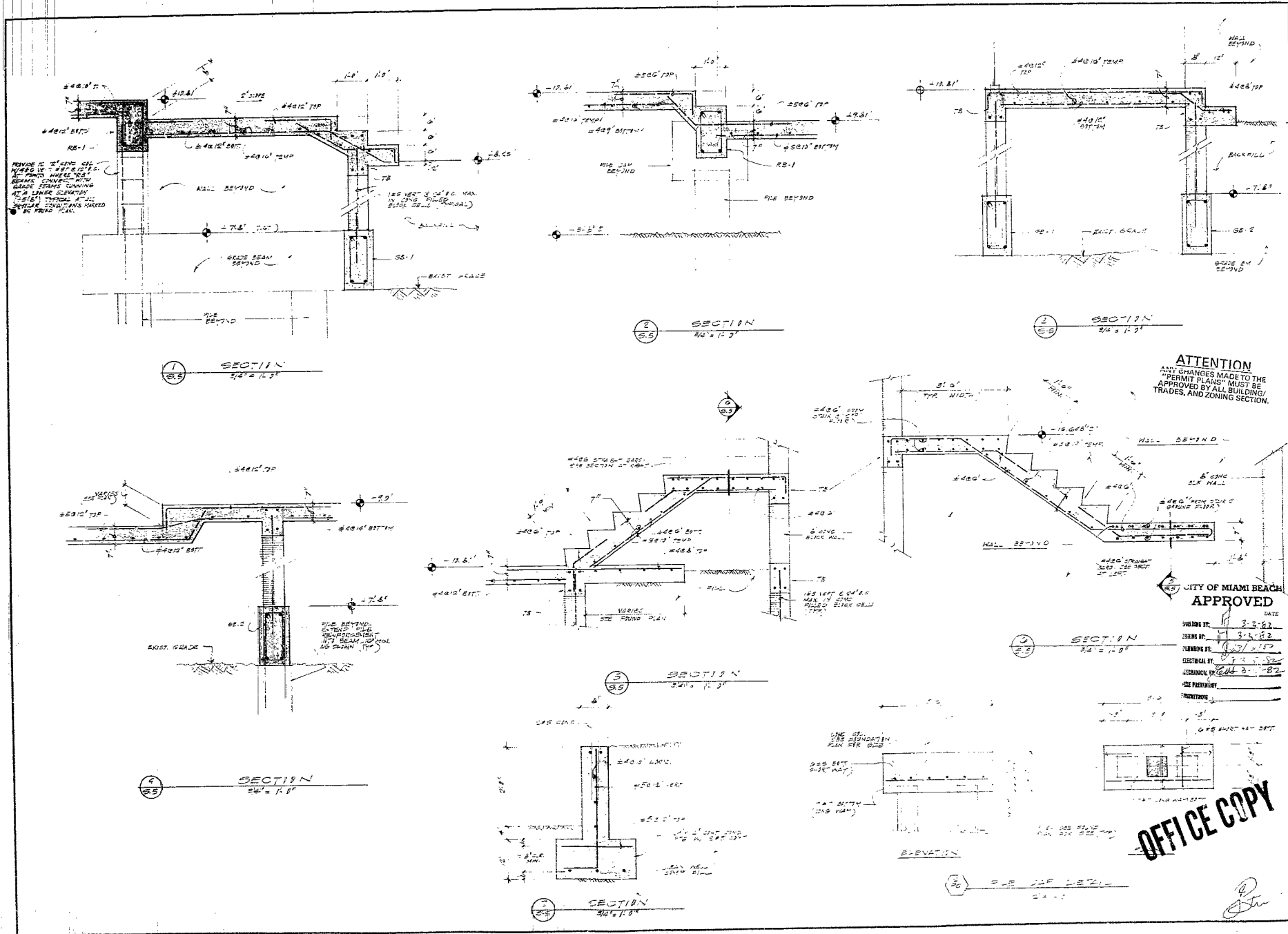
#60269 5/27/82 Mile Ortega 3 rgh, 3 set bath tub, 1 rgh, 1 set dishwasher, 7 rgh, 7 set lavatory, 1 rgh, 1 set clothes washer, 2 rgh, 2 set shower, 2 rgh, 2 set sink, pot/3 comp class, 1 rgh, 1 set sink residence, 5 rgh, 5 set water closet, 2 heater new install, 1 water service, 1 sewer conn.

96506

96506

310

90596



REVISIONS	BY

GOMEZ-PINIL ENGINEERING, P.A.  
 1101 N.W. 11th St.  
 MIAMI, FLORIDA 33136  
 (305) 442-8898

**ATTENTION**  
 ANY CHANGES MADE TO THE  
 PERMIT PLANS MUST BE  
 APPROVED BY ALL BUILDING  
 TRADES, AND ZONING SECTION.

**CITY OF MIAMI BEACH  
 APPROVED**

DATE: 2-2-82  
 DRAWING NO.: 3-2-82  
 PLUMBING NO.: 107-2-82  
 ELECTRICAL NO.: 1-2-82  
 MECHANICAL NO.: 2-2-82  
 THE PROFESSIONAL ENGINEER'S SEAL IS LOCATED ON THE REVERSE SIDE OF THIS SHEET.

**OFFICE COPY**

PROPOSED RESIDENCE FOR:  
 MR. & MRS. CARLOS GIL  
 MIAMI BEACH, FLORIDA

DATE	2/2/82
SCALE	AS NOTED
DRAWN BY	SS
CHECKED BY	SS
DATE	2/2/82

90596

PUBLIC WORKS DEPARTMENT      Engineering Division  
 TO: CODE ENFORCEMENT DIVISION      Construction Services

LEGAL DESCRIPTION:      LOT 12 BLOCK 2 SAN MARINO ISLAND  
 LEGAL ADDRESS:      409 E. San Marino Drive  
 PLAN DESCRIPTION:      SWIMMING POOL

THE ABOVE PLAN SUBMITTED TO THIS DIVISION NEEDS THE FOLLOWING CORRECTIONS:

GARBAGE FACILITIES:      TO USE EXISTING FACILITIES  
 SANITARY SEWER:      TO USE EXISTING FACILITIES  
 WATER:      TO USE EXISTING FACILITIES  
 DRAINAGE:      AS SHOWN - SEE NOTE # 1  
 GRADES:      AS SHOWN  
 ENCROACHMENTS:      NONE  
 EASEMENTS:

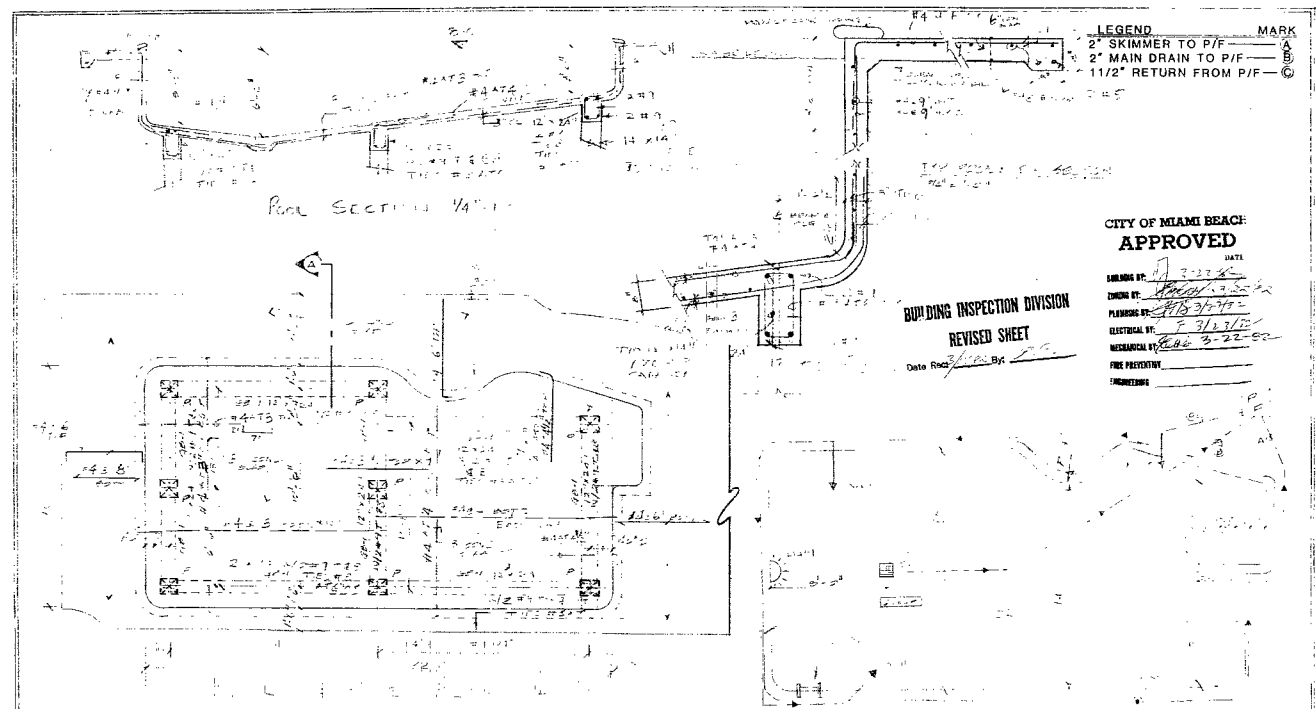
PUBLIC WORKS DEPARTMENT PERMITS REQUIRED FOR WORK DONE ON CITY PROPERTY.  
 COMMENTS:

NOTE # 1 - POOL WASTE WATER TO BE PIPED TO RAY VIA  
 1 CUBIC YARD OPEN BOTTOM SETTLING BOX. PIPE TO BE INSTALLED  
 BELOW NEAR LOW WATER.

*Sebastian Hernandez*  
 City Eng.      002-1618

APPROVED FOR PERMIT SUBJECT TO ABOVE CONDITIONS      3/23/82      FRANK AMONIN  
 (DATE)      ENGINEERING DIV.

90596



**FLOTATION ANALYSIS**

WATER LEVEL ELEV.	2.0
POOL DEPTH	6.0
LOW POINT POOL LEVEL	2.0
FLOOD DRAINAGE	6.0
F.S. - DEPTH ELEV.	2.0
LESS HYDRO VERT.	2.0
HYDROSTATIC UPLIFT	2.0

**POOL DATA**

CAPACITY	1722 GALLONS
CIRCULATION	42 G.P.M.
PUMP	1 1/2 H.P.

**LEGAL**  
 LOT 2, BLOCK 15,  
 SUB'V. 54, MICHIGAN  
 P/B. PG. 24  
 DADE COUNTY, FLORIDA

**POOL PLAN**  
 1/4" = 1'0"

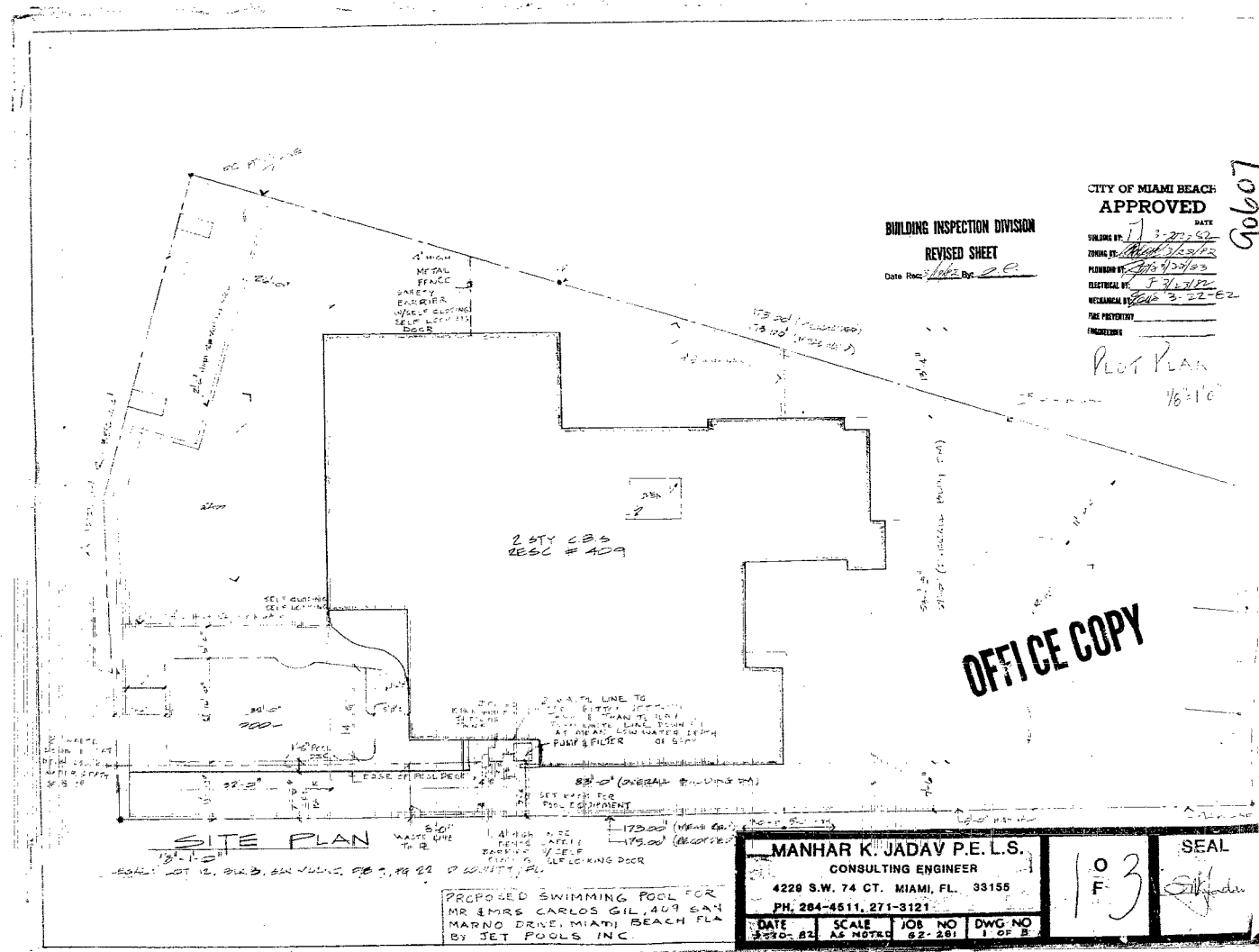
**OFFICE COPY**

**SOIL STATEMENT**

THE SOIL CONDITIONS AT THIS SITE ARE  
 AND ADEQUATE TO SUPPORT THE DESIGN LOAD  
 OF 5000 P.S.F. IF CONDITIONS OTHER THAN  
 THOSE ARE ENCOUNTERED, THE CONSULTING  
 ENGINEER SHALL BE NOTIFIED BEFORE PRO-  
 CEEDING WITH THE WORK.

	<b>PROPOSED SWIMMING POOL</b> V.E. & M.C. SINGH GIL FOR: 409 SWI VANDER B. MIAMI BEACH AT: JET Pools INC. BY:		<b>MANHAR K. JADAV P.E. L.S.</b> CONSULTING ENGINEER 4229 S.W. 74 CT. MIAMI, FL. 33155 PH. 264-4511, 271-3121		O F 	<b>SEAL</b> 
	DATE	SCALE	JOB NO.	DWG NO.		

90596



BUILDING INSPECTION DIVISION  
 REVISED SHEET  
 Date Rec: 1/12/02 By: ee

CITY OF MIAMI BEACH  
 APPROVED  
 DATE: 1/27/02  
 DRAWING BY: Manhar K. J. S.  
 PLUMBING BY: Manhar K. J. S.  
 ELECTRICAL BY: F. J. W.  
 MECHANICAL BY: 3-21-02  
 THE PROJECT: \_\_\_\_\_  
 DRAWING: \_\_\_\_\_  
 Plot Plan  
 1/8" = 1'-0"

90607

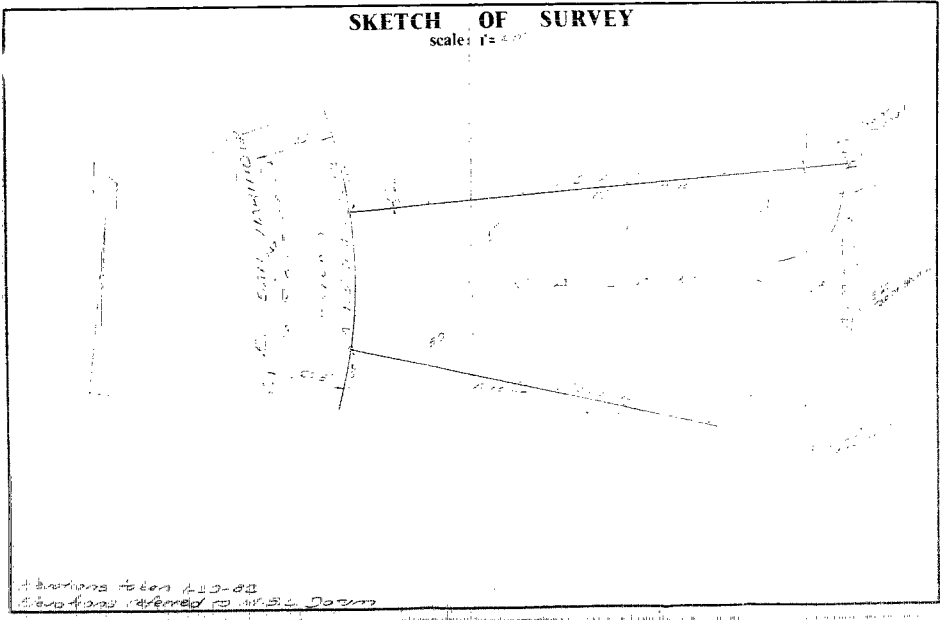
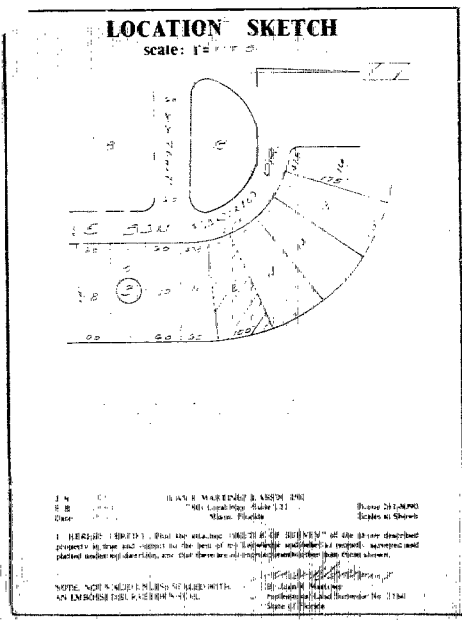
OFFICE COPY

SITE PLAN

PROPOSED SWIMMING POOL FOR  
 MR & MRS CARLOS GIL, 409 SAN  
 MARINO DRIVE, MIAMI BEACH, FLA  
 BY SET POOLS INC

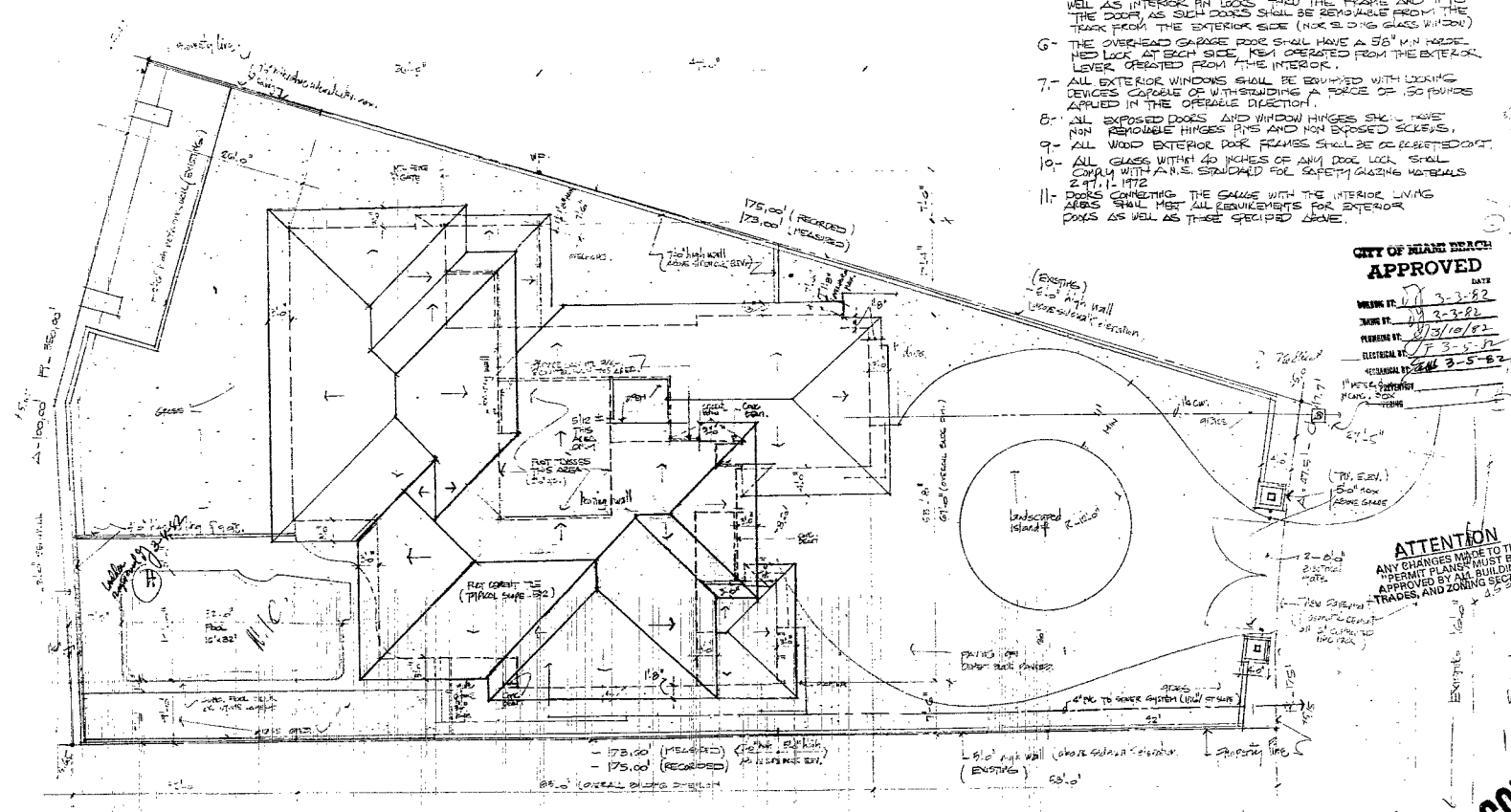
MANHAR K. JADAV P.E. L.S.		SEAL	
CONSULTING ENGINEER		103	
4229 S.W. 74 CT. MIAMI, FL. 33155		[Signature]	
PH. 284-4511, 271-3121			
DATE: 1-27-02	SCALE: AS NOTED	JOB NO: 97-261	DWG NO: 1 OF 2

90596



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- INTRUSION AND BURGLARY SECURITY NOTES:**  
 (AS REQUIRED BY METRO DDC, ORDINANCE NO. 70-18-80.)
- 1- ALL KEVED EXTERIOR LOCKS SHALL HAVE A MINIMUM OF 6000 POUNDS TENSILE STRENGTH.
  - 2- ALL DEAD BOLTS SHALL HAVE PADDED STEEL INSERTS.
  - 3- ALL DOOR LOCKS SHALL BE CAPABLE OF RESISTING A FORCE OF 200 POUNDS APPLIED IN ANY DIRECTION.
  - 4- THE ACTIVE LEAF OF PAIR OF SWINGING EXTERIOR DOORS SHALL HAVE A KEVED CYLINDER LOCK AS WELL AS A 1" DEAD BOLT LOCK. THE INACTIVE LEAF SHALL HAVE 5/8" MIN THICK BOLTS TOP & BOTTOM WITH INSETS.
  - 5- ALL SLIDING GLASS DOORS SHALL HAVE STANDARD LATCHES AT THE CENTER HINGING POINTS OF THE SIDE JAMBES AS WELL AS INTERIOR PIN LOCKS INTO THE FRAME AND INTO THE DOOR AS SUCH DOORS SHALL BE REMOVABLE FROM THE TRACK FROM THE EXTERIOR SIDE (NOK 2" SLIDING GLASS WINDOW).
  - 6- THE OVERHEAD GARAGE DOOR SHALL HAVE A 5/8" MIN THICK DEAD LOCK AT EACH END, KEV OPERATED FROM THE EXTERIOR LEVER OPERATED FROM THE INTERIOR.
  - 7- ALL EXTERIOR WINDOWS SHALL BE EQUIPPED WITH LOCKING DEVICES CAPABLE OF WITHSTANDING A FORCE OF 50 POUNDS APPLIED IN THE OPERABLE DIRECTION.
  - 8- ALL EXPOSED DOORS AND WINDOW HINGERS SHALL HAVE NON REMOVABLE HINGERS PINS AND NON EXPOSED SCREWS.
  - 9- ALL WOOD EXTERIOR DOOR FRAMES SHALL BE OIL RELEASANT.
  - 10- ALL GLASS WITHIN 40 INCHES OF ANY DOOR LOCK SHALL COMPLY WITH A.R.S. STANDARD FOR SAFETY GLASSING MATERIALS 241.11.172.
  - 11- DOORS CONNECTING THE GARAGE WITH THE INTERIOR LIVING AREAS SHALL MEET ALL REQUIREMENTS FOR EXTERIOR DOORS AS WELL AS THOSE SPECIFIED ABOVE.

90596

**CITY OF MIAMI BEACH**  
**APPROVED**  
 DATE: 3-3-82  
 DRAWN BY: [Signature]  
 PERMIT NO.: 113/10/82  
 ELECTRICAL: [Signature]  
 MECHANICAL: [Signature]

**ATTENTION**  
 ANY CHANGES MADE TO THIS PERMIT PLANS MUST BE APPROVED BY ALL BUILDING, TRADES, AND ZONING DEPARTMENTS.

CARLOS A. MARTI - ARCHITECT  
 800 S.W. 8th STREET  
 SUITE 110  
 MIAMI BEACH, FLORIDA 33131  
 TELEPHONE - 448-2255

RESIDENCE FOR MR. & MRS. CARLOS GL.  
 401 SAN MARINO DRIVE  
 MIAMI BEACH, FLORIDA

SCALE	NOTED
1/4" = 1'-0"	DATE
1/8" = 1'-0"	REVISED

8201

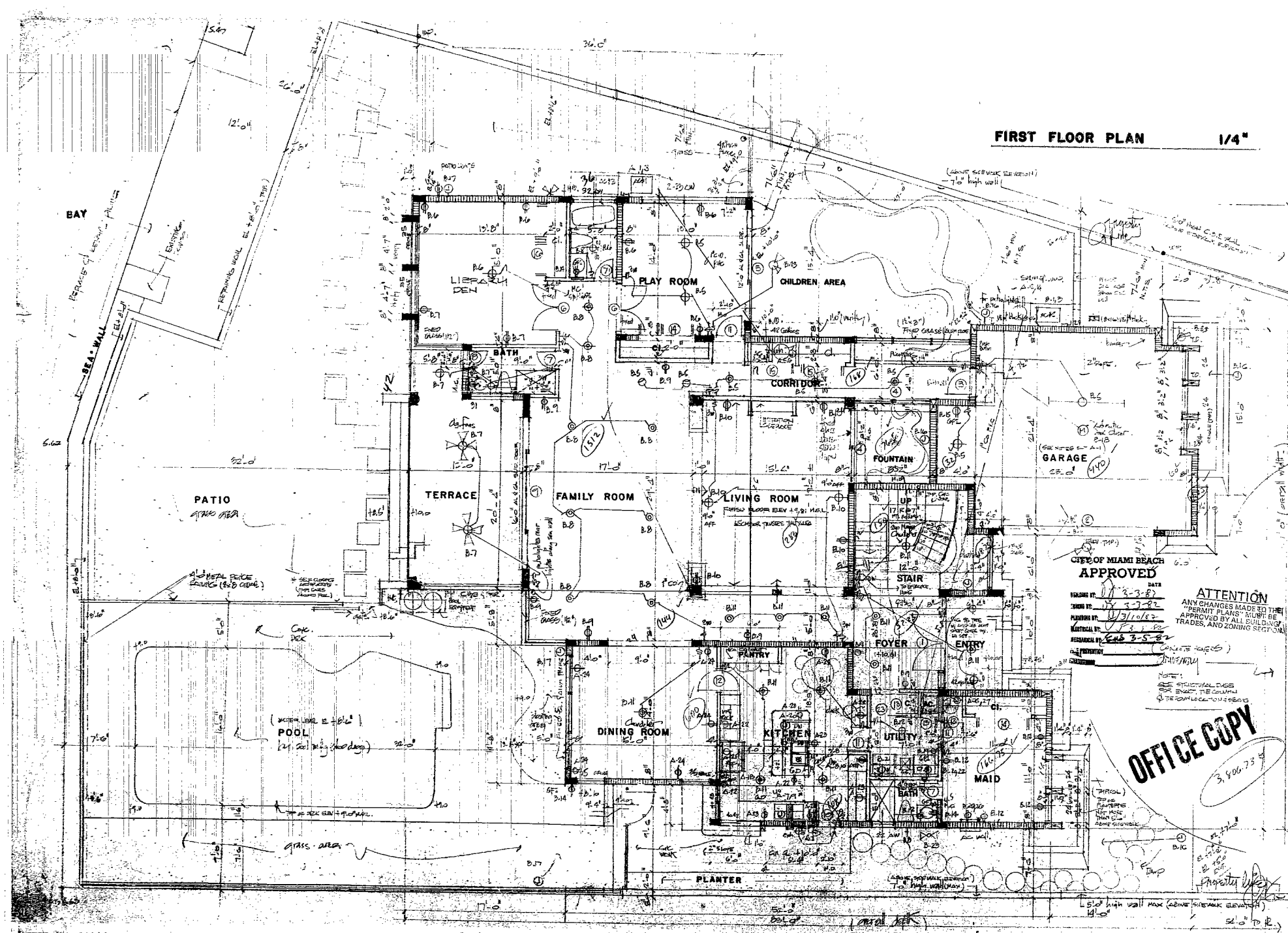
A-1

**OFFICE COPY**

- GARAGE NOTES:**
- 1- 1/2" FILING, 6" O.C. WITH ONE LAYER 5/8" THICK X GYPSUM LATH W/ 5D NAILS (CEMENT COATED) AT 6" O.C. 1/2" POLYURETHANE BOITT INSULATION BOITT TIESSES FOR ONE HOUR FIRE RATED CEILING ASSEMBLY.
  - 2- GARAGE SIGN EXTERIOR DOOR AS FOLLOWS: DANGER, DO NOT OPERATE ENGINES WITH DOOR CLOSED CARBON MONOXIDE EMISSION IS LETHAL RED SIGN WHITE LETTERS (6" O.A.P.P.)
  - 3- LOCK REINFORCING STEEL INTO FOOTING AND TIE BEAM (2" O.C. MIN) FROM THE COLUMN ON EACH SIDE OF GARAGE DOOR PROVIDE 2" O.C. FT. FRAME WITH 1/2" X 8" AT 2" O.C. (6" FROM TOP AND BOTTOM) ATTACHED TO THE COLUMN & TIE BEAM FOR GARAGE DOOR POINTING.

**SITE PLAN**  
 LEGAL: LOT 12, BLOCK 3, SAN MARINO, PLAT BOOK 9, PAGE 22 D.D.C. COUNTY/FLORIDA.

90596



**FIRST FLOOR PLAN 1/4"**

**CITY OF MIAMI BEACH APPROVED**  
 PERMIT NO. 3-3-82  
 DATE 03/03/82  
 PLANNED BY 03/10/82  
 ARCHITECTURAL BY 03-5-82

**ATTENTION**  
 ANY CHANGES MADE TO THE "PERMIT PLANS" MUST BE APPROVED BY ALL BUILDING, TRADES, AND ZONING DEPT'S.

**OFFICE COPY**  
 3,506.73 SF

**CHARLES A. MARTI - ARCHITECT**  
 1500 SW 11th Street - Suite 110  
 Coral Gables, Florida - 33134  
 Telephone: 437-2253

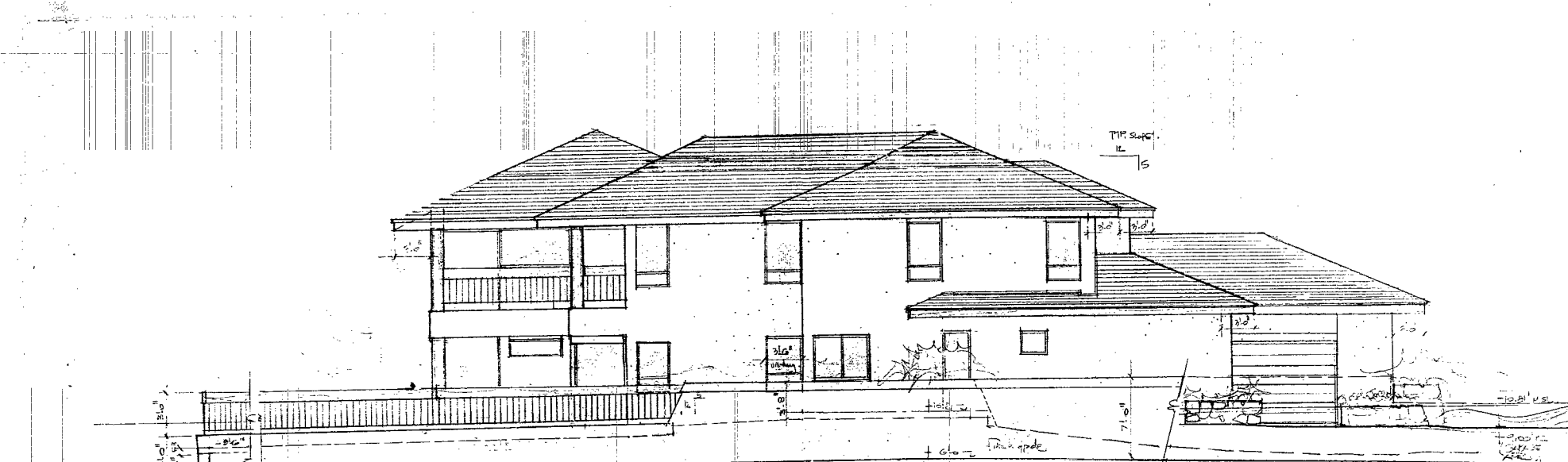
**BUSINESS FOR MR. & MRS. G. L. ...**  
 FOR SON MARIO DOMINGUEZ  
 MIAMI BEACH, FLORIDA

SCALE	DATE	REVISION
1/4"	03/10/82	REVISED

**8201**

**A-2**

90596



LEFT SIDE ELEVATION 1/2"



REAR ELEVATION 1/4"

CITY OF MIAMI BEACH  
**APPROVED**  
 BUILDING DEPT. DATE 2-2-87  
 ZONING DEPT. 2-2-87  
 PLUMBING DEPT. 2/3/87  
 ELECTRICAL DEPT. 2-2-87  
 MECHANICAL DEPT. 2-5-87  
 THE PERMITTEE  
 FOUNDATION

**OFFICE COPY**

**ATTENTION**  
 ANY CHANGES MADE TO THE  
 PERMIT PLANS MUST BE  
 APPROVED BY ALL BUILDING/  
 TRADES AND ZONING SECTION.

CARLOS A. MARTI - ARCHITECT  
 800 SW 8th STREET SUITE 110  
 MIAMI BEACH, FLORIDA 33134  
 TELEPHONE 465 2598

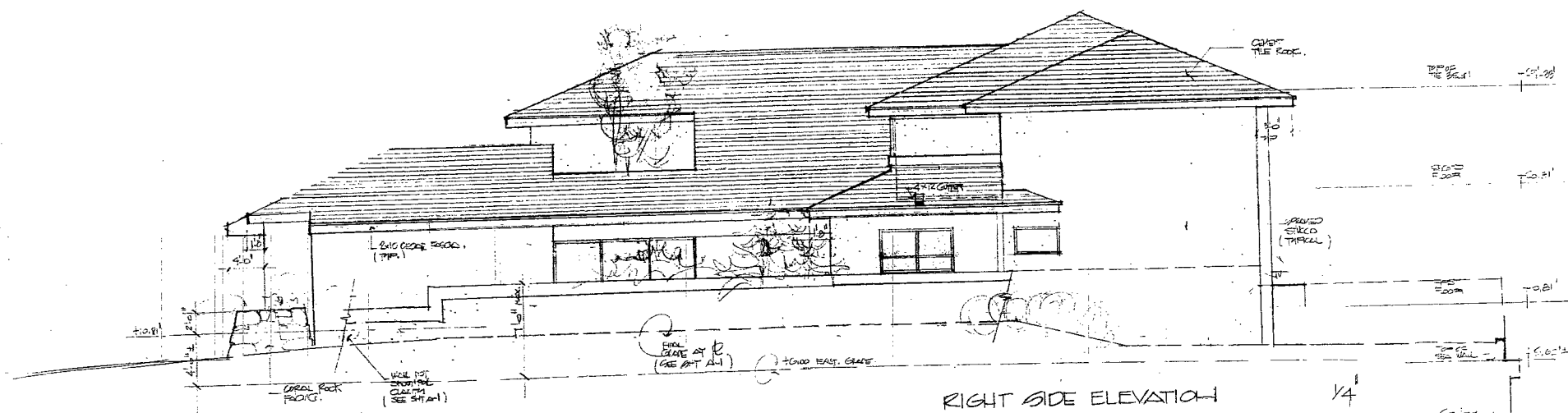
RESIDENCE FOR MR & MRS. GIL  
 401 SAN MARINO DRIVE  
 MIAMI BEACH, FLORIDA.

SCALE	NOTED
DRAWN	CFL
DATE	JAN 15/87
REVISION	

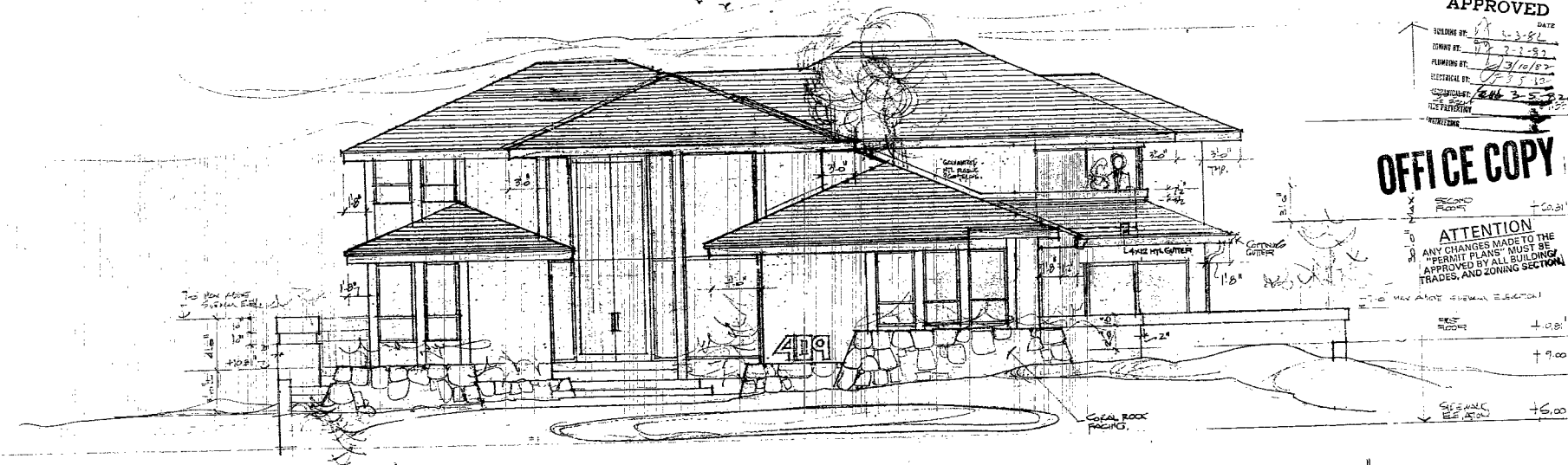
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A-5

90596



RIGHT SIDE ELEVATION 1/4"



FRONT ELEVATION 1/4"  
ALL GANGES TO BE SOLAR PROOFED / ALL CLAYS TO BE STAIN RESISTANT PAINTED (MINUS GANGES)

CARLOS MARTI - ARCHITECT  
5200 SW. 8 STREET SUITE 110  
MIAMI BEACH, FLORIDA  
305.491.1010

CITY OF MIAMI BEACH APPROVED  
 BUILDING PERMIT NO. 1-3-82 DATE 1-3-82  
 PLANNING PERMIT NO. 1-3-82 DATE 1-3-82  
 ELECTRICAL PERMIT NO. 1-3-82 DATE 1-3-82  
 MECHANICAL PERMIT NO. 1-3-82 DATE 1-3-82  
 FIRE PERMIT NO. 1-3-82 DATE 1-3-82  
 RESIDENCE FOR MR. & MRS. GIL  
 4099 SAN MARINO DRIVE  
 MIAMI BEACH, FLORIDA

OFFICE COPY

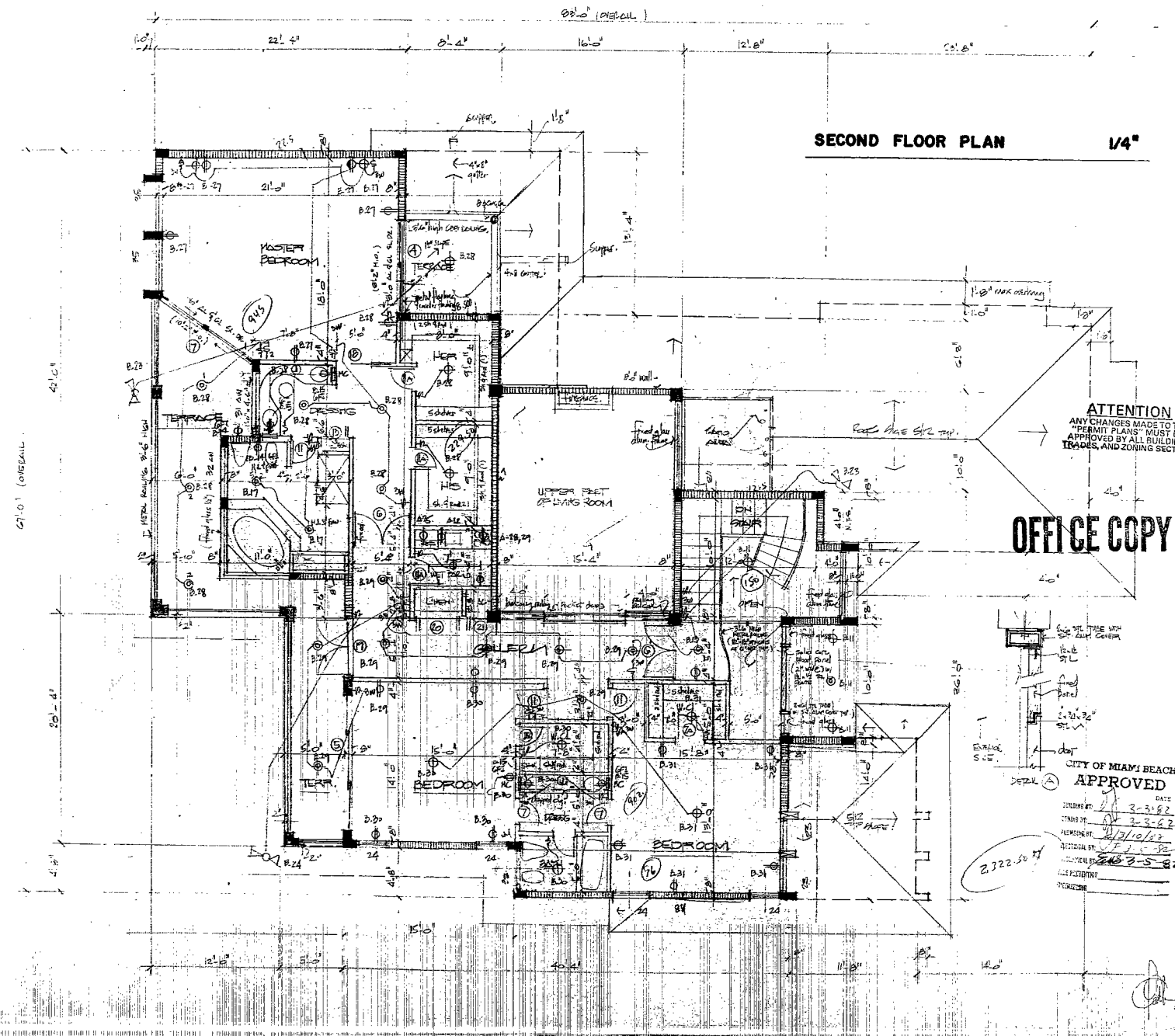
ATTENTION  
 ANY CHANGES MADE TO THE  
 "PERMIT PLANS" MUST BE  
 APPROVED BY ALL BUILDING  
 TRADES, AND ZONING SECTION

DATE	NOTED	SCALE	PROJECT
JAN 19 82			

8201

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90596



SECOND FLOOR PLAN 1/4"

OFFICE COPY

ATTENTION  
ANY CHANGES MADE TO THE  
"PERMIT PLANS" MUST BE  
APPROVED BY ALL BUILDING  
TRADES, AND ZONING SECTION

2,222.50 sq. ft.

CITY OF MIAMI BEACH  
APPROVED

DATE: 2-2-82  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 PROJECT NO.: 2-2-82

CARLOS MARTI - ARCHITECT  
 2200 SW 8th STREET - SUITE 110  
 CORAL GABLES, FLORIDA 33134  
 TELEPHONE: 498-2289

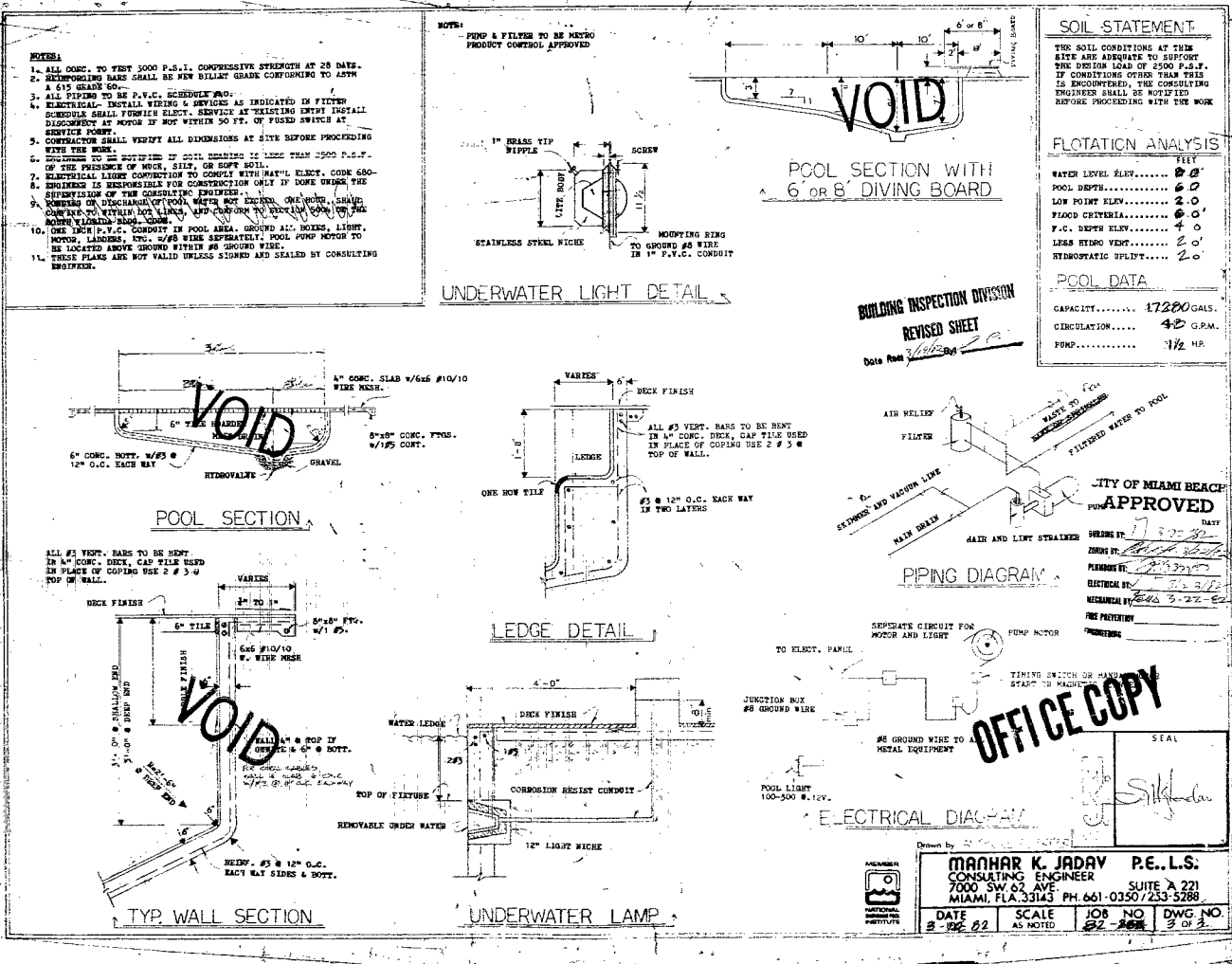
RESIDENCE FOR MR. & MRS. GIL  
 401 SAN MARINO DRIVE  
 MIAMI BEACH, FLORIDA

SCALE	NOTED
FRAMING	OK
DATE	JAN 15/82
REVISION	

8201

A-3

90596



- NOTES:**
1. ALL CONC. TO TEST 5000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS.
  2. REINFORCING BARS SHALL BE PER BILLY'S GRADE CONFORMING TO LIST A & 15 GRADE 60.
  3. ALL PIPING TO BE P.V.C. EXCEPT 1/2" DIA. SCHEDULE 40S STEEL FOR THE ELECT. SERVICE AS INDICATED IN FITTED SCHEDULE SHALL FOR THE ELECT. SERVICE AS INDICATED IN FITTED SCHEDULE AS NOTED IF NOT WITHIN 50 FT. OF FUSED SWITCH AT SERVICE POINT.
  4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH THE WORK.
  5. CONTRACTOR TO BE ADVISED IF SOIL BEARING IS LESS THAN 2000 P.S.F. OF THE PRESENCE OF ROCK, SILT, OR SOFT SOIL.
  6. ELECTRICAL LIGHT CONDUITS TO COMPLY WITH N.E.C. CODE 680-10. ENGINEER IS RESPONSIBLE FOR CONSTRUCTION ONLY IF DONE UNDER THE SUPERVISION OF THE CONSULTING ENGINEER.
  7. COVERING OF DISCHARGE OF POOL WATER NOT EXCEED ONE (1) INCH. COVERING SHALL BE WITHIN 10' OF WALL AND SHALL BE REMOVED TO REVEAL COVERING.
  8. ONE (1) INCH P.V.C. CONDUIT IN POOL AREA. GROUND ALL WIRING, LIGHT, MOTOR, LAMPING, ETC. W/ #6 WIRE SEPARATELY. POOL PUMP MOTOR TO BE LOCATED ABOVE GROUND WITHIN #6 GROUND WIRE.
  9. THESE PLANS ARE NOT VALID UNLESS SIGNED AND SEALED BY CONSULTING ENGINEER.

**SOIL STATEMENT**

THE SOIL CONDITIONS AT THIS SITE ARE ADEQUATE TO SUPPORT THE DESIGN LOAD OF 2500 P.S.F. IF CONDITIONS OTHER THAN THIS IS ENCOUNTERED, THE CONSULTING ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK.

**FLOTATION ANALYSIS**

ITEM	VALUE
WATER LEVEL ELEV.	6.0'
POOL DEPTH	6.0'
LOW POINT ELEV.	2.0'
FIXED CRITERIA	6.0'
F.C. DEPTH ELEV.	4.0'
LESS FLOOD VENT.	2.0'
HYDROSTATIC HEAD	2.0'

**POOL DATA**

CAPACITY	17280 GALS.
CIRCULATION	42 G.P.M.
PUMP	1/2 HP.

**BUILDING INSPECTION DIVISION**  
**REVISED SHEET**  
 Date: 1/15/82

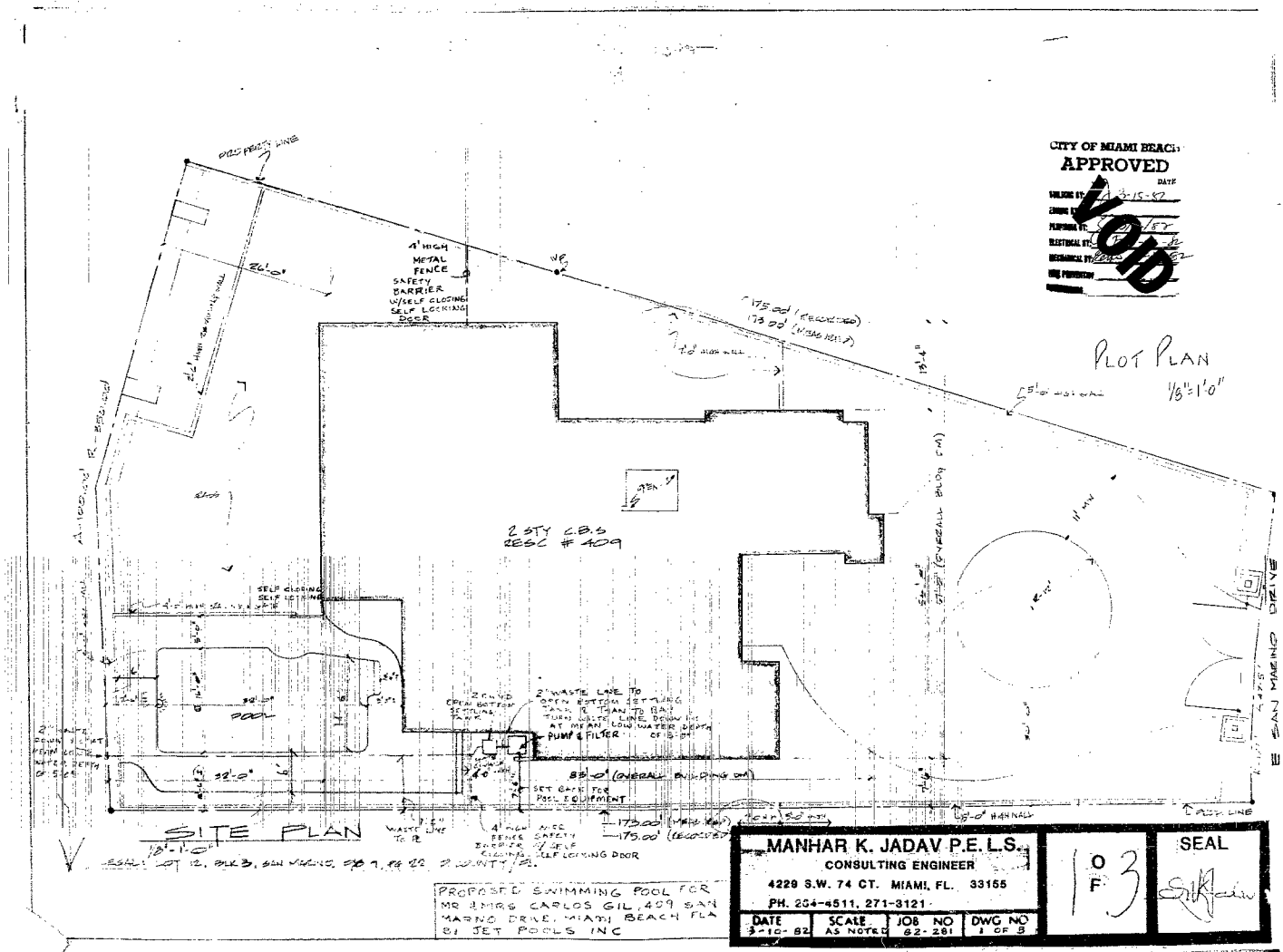
**CITY OF MIAMI BEACH**  
**APPROVED**

**OFFICE COPY**

Drawn by: **MANHAR K. JADAV P.E., L.S.**  
 CONSULTING ENGINEER  
 7000 SW 62 AVE SUITE A 221  
 MIAMI, FLA. 33143 PH. 661-0350/233-5288

DATE: 1/15/82 SCALE: AS NOTED JOB NO: 82-268 DWG NO: 3 OF 3

90596



CITY OF MIAMI BEACH  
**APPROVED**  
 DATE 11-15-82  
 VOID

PLOT PLAN  
 1/8"=1'-0"

**SITE PLAN**

**MANHAR K. JADAV P.E. L.S.**  
 CONSULTING ENGINEER  
 4228 S.W. 74 CT. MIAMI, FL. 33155  
 PH. 254-4511, 271-3121

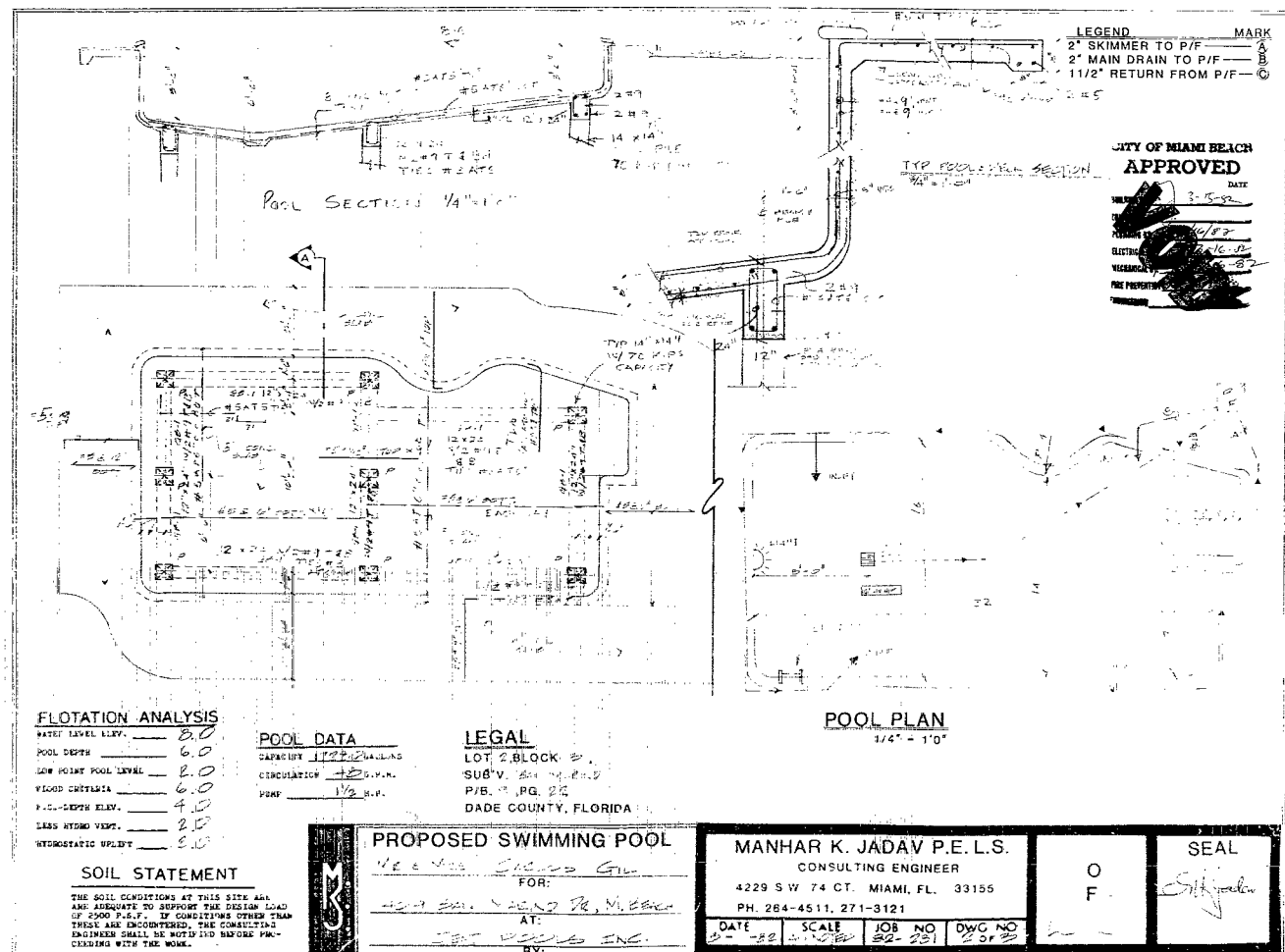
10  
 F 3

SEAL  
*[Signature]*

PROPOSED SWIMMING POOL FOR  
 MR EMIG CARLOS GIL 409 SAN  
 MARNO DRIVE, MIAMI BEACH FLA  
 BY JET POOLS INC

DATE	SCALE	JOB NO	DWG NO
3-10-82	AS NOTED	82-281	1 OF 3

90596



**FLOTATION ANALYSIS**

WATER LEVEL ELEV.	8.0
POOL DEPTH	6.0
LOW POINT POOL LEVEL	2.0
FLOOD CRITERIA	6.0
P.O.C.-DEPTH ELEV.	4.0
LAND HYDRO ELEV.	2.0
HYDROSTATIC WULFDT	3.0

**POOL DATA**

CAPACITY	1222 GALLONS
CIRCULATION	1/2 G.P.M.
PUMP	1/2 H.P.

**LEGAL**  
 LOT 2, BLOCK 8,  
 SUBV. 84, PG. 22  
 P.B. 11, PG. 22  
 DADE COUNTY, FLORIDA

**POOL PLAN**  
 3/4" = 1'-0"

**SOIL STATEMENT**

THE SOIL CONDITIONS AT THIS SITE ARE ASSUMED TO SUPPORT THE DESIGN LOAD OF 2500 P.S.F.. IF CONDITIONS OTHER THAN THESE ARE ENCOUNTERED, THE CONSULTING ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK.



**PROPOSED SWIMMING POOL**  
 16 & 1/2 S.W. 74th Ct. G/L  
 FOR:  
 16 & 1/2 S.W. 74th Ct. G/L  
 AT:  
 16 & 1/2 S.W. 74th Ct. G/L  
 BY:  
 JET Pools Inc.

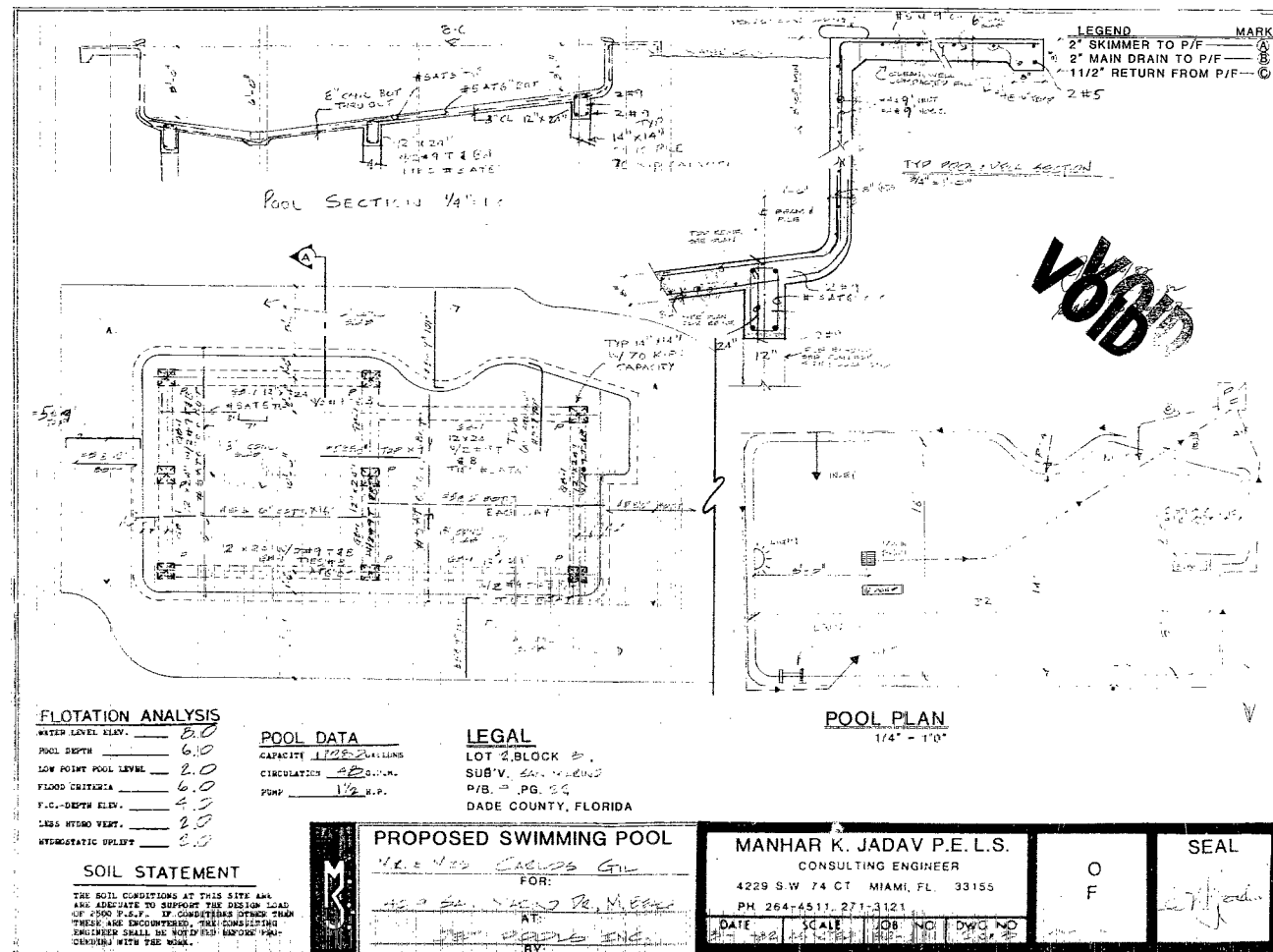
**MANHAR K. JADAV P.E. L.S.**  
 CONSULTING ENGINEER  
 4229 S W 74 CT. MIAMI, FL. 33155  
 PH. 264-4511, 271-3121

DATE: 2-28-88  
 SCALE: 3/4" = 1'-0"  
 JOB NO: 88-25  
 DWG NO: 2 OF 2

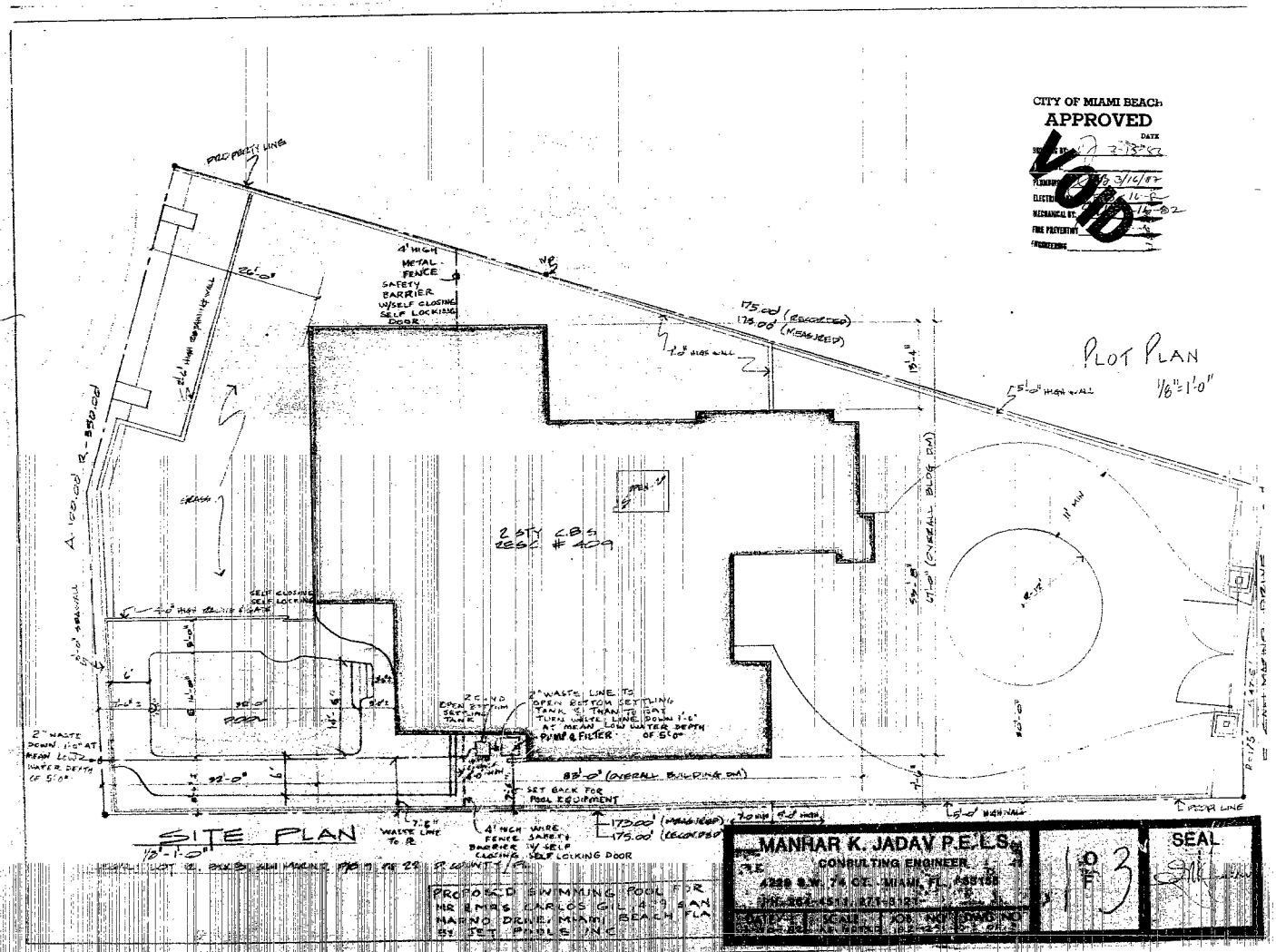
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 F

**SEAL**  
 Manhar K. Jadav

90596



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CITY OF MIAMI BEACH  
**APPROVED**  
 DATE 3/14/88  
 PLUMBING 16-8  
 ELECTRICAL 16-8  
 MECHANICAL 16-8  
 FIRE PROTECTION 16-8  
 FLOODING

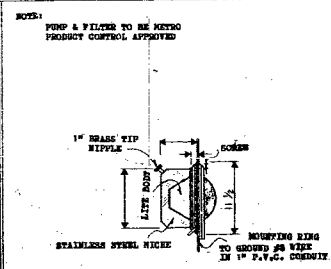
Plot Plan  
 1/8" = 1'-0"

**SITE PLAN**  
 1/8" = 1'-0"

**MANHAR K. JADAV P.E. L.S.**  
 CONSULTING ENGINEER  
 4288 S.W. 74th Ave. MIAMI, FL 33155  
 (305) 222-5111 (272) 5121  
 SCALE: JOB WORKING DRAWING  
 DATE: 3/14/88

90596

- NOTES**
1. ALL CONC. TO TEST 3000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS.
  2. REINFORCING BARS SHALL BE PERmitted GRADE CONFORMING TO ASTM A 615 GRADE 60.
  3. ALL TYPING TO BE P.A.C. SCHEMATIC CO.
  4. ELECTRICAL - INSTALL WIRES & DEVICES AS INDICATED IN FILTER SCHEMATIC SHALL PROVIDE ELECT. SERVICE AS EXCEPTED EVERY SMALL DISCONNECT AT POINT OF USE WITHIN 30 FT. OF FEEDS BEING AT SERVICE POINT.
  5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH THE WORK.
  6. CONTRACTOR TO BE RESPONSIBLE FOR ALL WORKING IN LINE WITH 2000 P.S.I. OF THE PRESENCE OF MOIST. AIR, OR SOFT SOIL.
  7. ELECTRICAL LINES CONNECTION TO CONCRETE FROM METAL SHALL COME 600-800 MINIMUM IN RESISTANCE FOR CORROSION ONLY IF DONE UNDER THE SUPERVISION OF THE CONSULTING ENGINEER.
  8. FORMWORK OF DISCHARGE OF POOL SHALL NOT BE USED ONE HOUR, SHALL COME TO WATER SIDE FIRST, AND REMOVE TO STRONG SIDE OF THE WATER FILLSIDE SHALL COME.
  9. ONE INCH P.V.C. CONDUIT IS TO BE USED. COVERED ALL WIRE, LIGHT, WIRE, LAMPING, ETC. W/1/2" VENEER SEPARATELY. POOL PUMP MOTOR TO BE LOCATED UNDER GROUND WITHIN 30' GROUND WIRE.
  10. THESE PLANS ARE NOT VALID UNLESS APPROVED AND SEALED BY CONSULTING ENGINEER.



UNDERWATER LIGHT DETAIL

CITY OF MIAMI BEACH  
**APPROVED**  
DATE 3/16/82  
BY [Signature]  
1-16-82

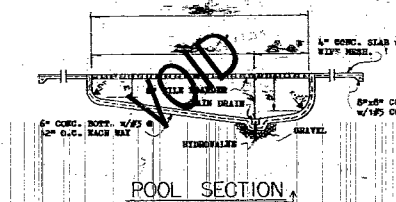
**SOIL STATEMENT**  
THE SOIL CONDITIONS AT THIS SITE ARE ADEQUATE TO SUPPORT THE DESIGN LOAD OF 2500 P.S.F. IF CONDITIONS OTHER THAN THIS IS ENCOUNTERED, THE CONSULTING ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK.

**FLOTATION ANALYSIS**

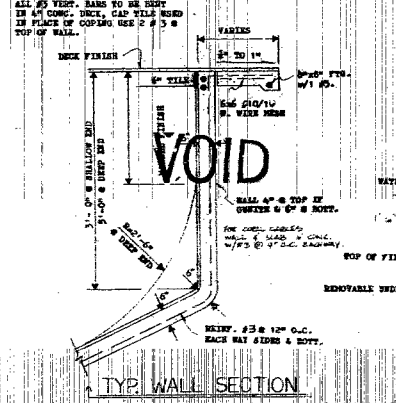
	FEET
WATER LEVEL ELEV.....	6.0
POOL DEPTH.....	6.0
LOW POINT ELEV.....	6.0
FLOOD CRITERIA.....	6.0
F.C. DEPTH ELEV.....	4.0
LEAK HEAD ELEV.....	2.0
HYDROSTATIC HEAD.....	2.0
ACTUAL TOP OF POOL.....	8.0

**POOL DATA**

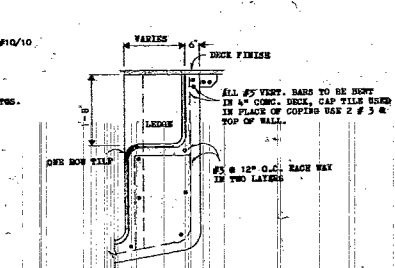
CAPACITY.....	1000 GALS.
CIRCULATION.....	48 G.P.M.
PUMP.....	1/2 HP



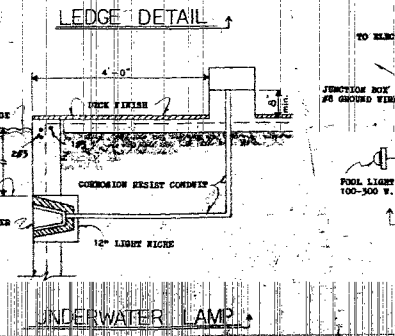
POOL SECTION



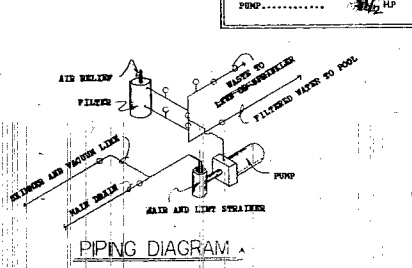
TYP. WALL SECTION



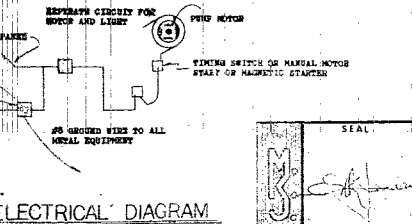
LEDGE DETAIL



UNDERWATER LAMP



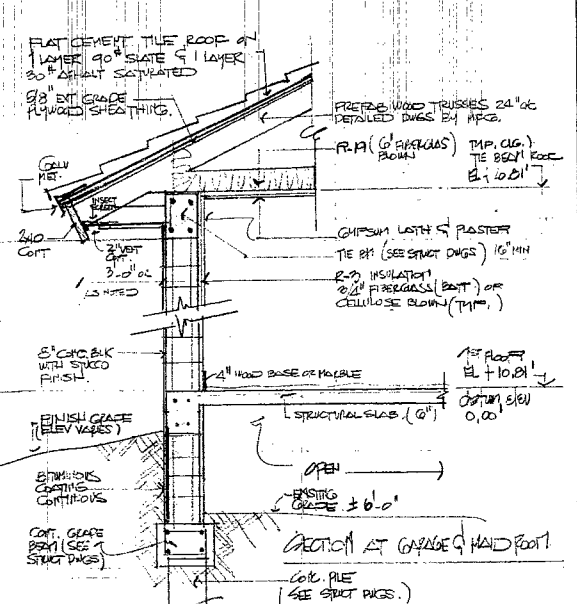
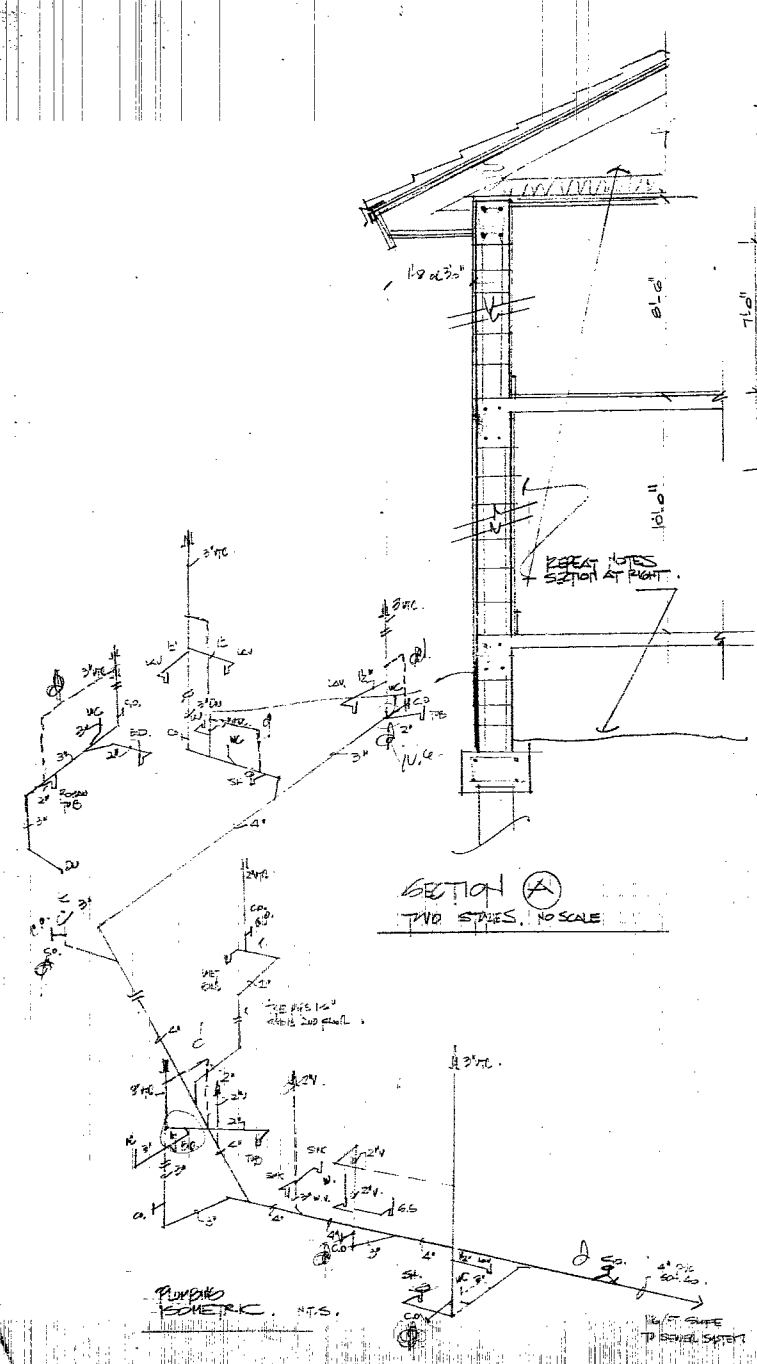
PIPING DIAGRAM



ELECTRICAL DIAGRAM

MANHAR K. JADAV P.E., L.S.  
CONSULTING ENGINEER  
2000 SW 24 AVE. SUITE 4221  
MIAMI, FLA. 33134 PH. 661-0330/223-5288

90596



**GENERAL NOTES:**

- SEE STRUCTURAL DRAWINGS FOR STRUCTURAL NOTES, SOIL STATEMENT, SIZE OF REINFORCING OF STRUCTURAL MEMBERS AND PILING.
- ALL WORK AS PER S.E.B.C. LATEST EDITION.
- SEE SITE PLAN SHT. A-1 FOR ELEVATIONS.

NO.	SIZE	TYPE	MATERIALS	JAMB	FINISH	REMARKS
1	6'0" x 8'0" x 12'	SOLID W/CL	WOOD	WOOD	ALUM	FIXED PANEL
2	6'0" x 8'0" x 12'	SOLID OVENHEAD	WOOD	---	---	FIXED PANEL
3	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
4	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
5	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
6	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
7	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
8	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
9	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
10	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
11	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
12	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
13	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
14	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
15	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
16	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
17	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
18	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
19	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
20	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
21	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
22	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
23	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL
24	2'0" x 6'0" x 12'	SOLID CASE	WOOD	WOOD	ALUM	FIXED PANEL

ELECTRICAL SCHEDULE									
NO.	DESCRIPTION	QTY	WIRE	AMPS	FEET	WIRE	AMPS	FEET	NOTES
1.1	AIR COND COMP #1	1	3/4"	6	240	8.77	50	2	THIN
1.4	AIR HANDLING UNIT #1	1	3/4"	6	240	11.27	50	2	THIN
5.6	WATER HEATER	1	1/2"	10	240	4.5	30	2	
7.9	COOL TR	1	3/4"	8	240	6.0	40	2	
8.10	DOUBLE OVEN	1	1/2"	6	240	12.0	50	2	
11.13	FLOOR PUMP	1	1/2"	12	240	1.92	30	2	
11.14	SPRINKLER PUMP	1	1/2"	12	240	1.92	30	2	
15.17	HEAT LAMPS	1	1/2"	12	120	4.86	20	1	
18	TRASH COMPACTOR	1	1/2"	12	120	1.08	20	1	
20	DISHWASHER	1	1/2"	12	120	0.88	20	1	
21	REFRIGERATOR	1	1/2"	12	120	1.47	20	1	
22-24	SMALL APPLIANCES	1	1/2"	12	120	4.50	20	1	
25	REFRIGERATOR	1	1/2"	12	120	1.47	20	1	
26-27	WATER HEATER	1	1/2"	10	240	4.5	30	2	
28-29	WATER HEATER (KITCHEN)	1	3/4"	8	240	6.0	40	2	
30-30	SPACE								
3.13	AIR COND COMP #2	1	3/4"	6	240	8.77	50	2	THIN
3.4	AIR HANDLING UNIT #2	1	3/4"	6	240	11.27	50	2	THIN
4.13	LIGHTS & RECEPTACLES	1	1/2"	12	120	15.75	15	1	
4.15	G.F.I.	1	1/2"	12	120	3.00	20	1	
10.17	START GARDEN LIGHTS	1	1/2"	12	120	2.00	20	1	
18	OVERHEAD GARAGE L.	1	1/2"	12	120	1.72	20	1	
19	UTILITY ROOM	1	1/2"	12	120	1.50	20	1	
20.22	DEALER	1	3/4"	10	240	5.50	30	2	
21.24	RECEPT LIGHTS	1	1/2"	12	120	2.00	20	1	
21.24	AC W/CD	1	1/2"	12	120	1.35	20	1	
21.24	DEALER	1	3/4"	10	240	5.50	30	2	
21.24	AC W/CD #2	1	3/4"	8	240	6.0	40	2	
21.24	AC W/CD #3	1	3/4"	8	240	6.0	40	2	

**ELECTRICAL NOTES:**

1- ALL WORK TO COMPLY WITH ALL LOCAL CODES AND IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE CITY OF MIAMI BEACH

2- ALL BATHROOMS AND WET BAR, KITCHEN AND EXTERIOR LIGHTS AND RECEPTACLES SHALL BE GROUND FAULT INTERRUPTED (G.F.I.)

3- A.C. CONDENSERS NON-COINCIDENT LOADS WITH STRIP HEATERS.

4- 50% AT 3 WATS/SG. FT = 15.75 KW

5- SEE AC SIGS FOR UNIT SPECIFICATIONS.

**OFFICE COPY,**

**ELECTRICAL RISER:**

CARLOS A. MARTI, ARCHITECT  
 5200 S.W. 8TH STREET, SUITE 110  
 CORAL GABLES, FLORIDA - 33134

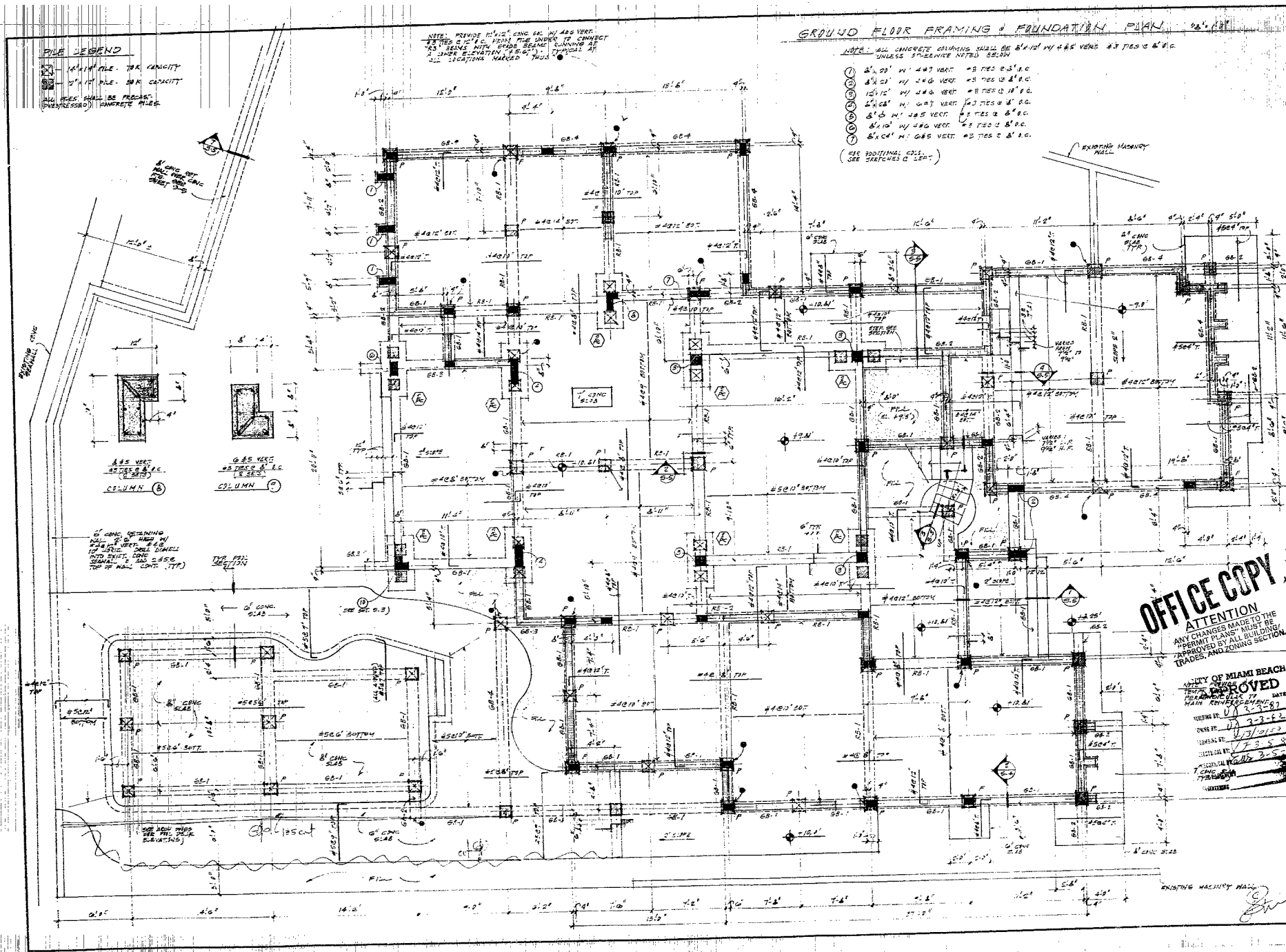
RESIDENCE FOR MRS. & MRS. G.L.  
 4001 SAN MARINO DRIVE  
 MIAMI BEACH, FLORIDA

SCALE: DOWN  
 DATE: JUN 1952  
 REVISED

3201

A-6

90596



NO.	DESCRIPTION	DATE	BY
1	AS SHOWN		
2			
3			
4			
5			

**OFFICE COPY ATTENTION**  
 ANY CHANGES MADE TO THE PERMIT PLANS MUST BE APPROVED BY ALL BUILDING TRADES AND ZONING SECTION.

**CITY OF MIAMI BEACH APPROVED**  
 ENGINEER: [Signature]  
 DATE: 11/15/58  
 PERMIT NO. 23-58  
 EXPIRES: 11/15/59  
 CONTRACT NO. 3-5-58

PROPOSED RESIDENCE 611  
 MR. & MRS. CARLOS GIL  
 MIAMI BEACH, FLORIDA

Scale: 1/8" = 1'-0"  
 Date: 11/15/58  
 Drawn: IS  
 Job: 6216  
 Sheet: 5-1  
 of 5 Sheets

90596







BR1701102



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

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

**NOTICE OF ACCEPTANCE (NOA)**

CGI Windows and Doors, Inc.  
10100 NW 25 Street  
Miami, Fl. 33172

**SCOPE:**

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

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

**DESCRIPTION: Series "238" Outswing Aluminum Casement Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. W98-100, titled "Series-238 Alum Outswing Casement Wdw. (L.M.I.)", sheets 1, 1.1, 2, 3, 4, 5, 5.1, 6 and 7 of 7, dated 12/04/98, with revision J dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact 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# 14-0506.01 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



Handwritten signature and date: 9/9/15

NOA No. 15-0512.19  
Expiration Date: October 26, 2018  
Approval Date: September 17, 2015  
Page 1

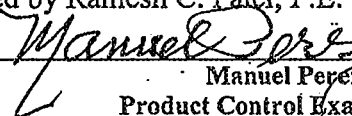
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA's # 96-0417.03 and # 01-1002.03)*
2. Drawing No. W98-100, titled "Series-238 Alum Outswing Casement Wdw. (L.M.I.)", sheets 1; 1.1, 2, 3, 4, 5, 5.1, 6 and 7 of 7, dated 12/04/98, with revision J, dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 a series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WA, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
2. 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 a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WB, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
3. 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 a series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WC, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E.
4. 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 a series 318 outswing aluminum casement window, prepared by Certified Testing Laboratories, Test Report No. CTL-3009WB, dated 03/24/14, signed and sealed by Ramesh C. Patel, P.E.  
*(Submitted under previous NOA # 14-0506.01)*


  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.19

Expiration Date: October 26, 2018  
Approval Date: September 17, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**B. TESTS (CONTINUED)**

5. 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 casement window, prepared by American Test Lab of South Florida, Inc., Test Report No. ATLSF-1109.01-12, dated 11/20/12, signed and sealed by Henry Hattem, P.E.  
(Submitted under NOA # 12-1220.14)
6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Testing Lab., Inc., Test Reports No. HTL-0080-0301-07 for specimen A and B, and HTL-0080-0905-07 for specimen B and C, dated 09/21/07 and 10/12/06, both signed and sealed by Vinu J. Abraham, P.E.  
(Submitted under NOA # 08-1010.02)
7. 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 an aluminum outswing casement window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. HETI-08-2143, HETI-08-2144, HETI-08-4287 and HETI-07-4298, dated 06/27/08 and 07/17/08, all signed and sealed by Candido F. Font, P.E.  
(Submitted under NOA # 08-1010.02)
8. 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 an aluminum casement window, prepared by Hurricane Test Laboratory, Inc., Test Reports No. HTL-0080-0303-96 and HTL-0080-1107-98, dated 03/06/96 and 11/10/98, both signed and sealed by Timothy S. Marshall, P.E.  
(Submitted under NOA's # 96-0417.03 and # 01-1002.03)

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.19  
Expiration Date: October 26, 2018  
Approval Date: September 17, 2015

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**B. TESTS (CONTINUED)**

9. 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 casement window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-1003 and FTL-1041, dated 10/14/94, both signed and sealed by Yamil Kuri, P.E.  
*(Submitted under NOA # 96-0417.03)*

**C. CALCULATIONS**


1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 4/24/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under previous NOA # 14-0506.01)*
2. Glazing complies with ASTM E1300-09

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.
2. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.
3. Notice of Acceptance No. 14-0423.15 issued to Eastman Chemical Company (MA) for their "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 06/19/14, expiring on 12/11/18.
4. Notice of Acceptance No. 14-0423.17 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 06/19/14, expiring on 05/21/16.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.19  
Expiration Date: October 26, 2018  
Approval Date: September 17, 2015

CGI Windows and Doors, Inc.

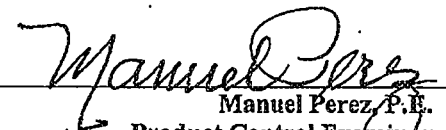
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

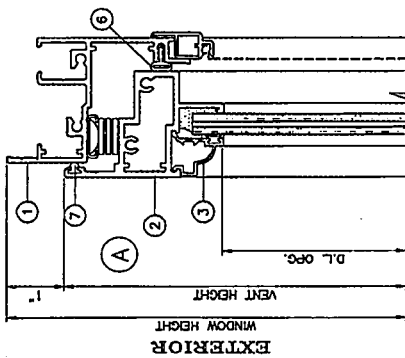
1. Statement letter of conformance, complying with FBC- 5<sup>th</sup> Edition (2014), dated April 11, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under previous NOA # 14-0506.01)*
2. Proposal No. 13-1098 issued by the Product Control Section, dated October 02, 2013 and revised on February 24, 2014, signed by Manuel Perez, P.E.  
*(Submitted under previous NOA # 14-0506.01)*
3. Laboratory compliance letters for Test Reports No. HTL-0080-0301-07 for specimen A and B and HTL-0080-0905-07 for specimen B and C, issued by Hurricane Test Laboratory, Inc., dated 09/21/07 and 10/12/06, both signed and sealed by Vnu 5 Abraham, P.E.  
*(Submitted under NOA # 08-1010.02)*
4. Laboratory compliances letters for Test Reports No. HETI-08-2143, HETI-08-2144, HETI-08-4287 and HETI-07-4298, issued by Hurricane Engineering & Testing, Inc., dated 06/27/08 and 07/17/08, all signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA # 08-1010.02)*
5. Laboratory compliance letters for Test Reports No. HTL-0080-0303-96 and HTL-0080-1107-98, issued by Hurricane Test Laboratory, Inc., dated 03/06/96 and 11/10/98, both signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA # 96-0417.03 and 01-1002.03)*
6. Laboratory compliance letters for Test Reports No. FTL-1003 and FTL-1041, issued by Fenestration Testing Laboratory, Inc., dated 10/14/94, both signed and sealed by Yamil Kuri, P.E.  
*(Submitted under NOA # 96-0417.03)*
7. Test Proposal for the qualification of *Butacite*® PVB glass interlayer by Kuraray America, Inc., as well as *Duraseal*® and *Super Spacer*® Standard warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.

**G. OTHERS**

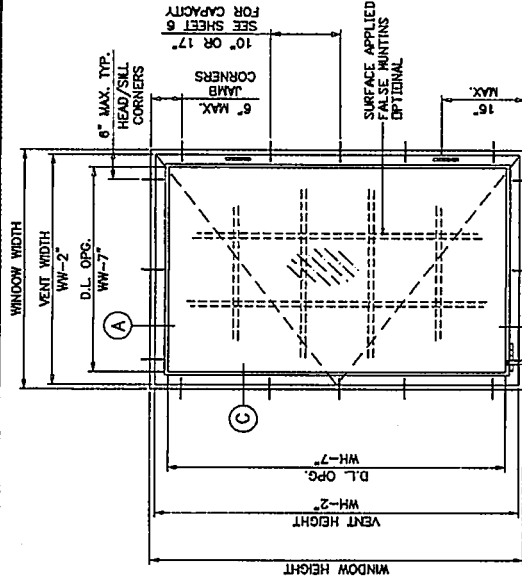
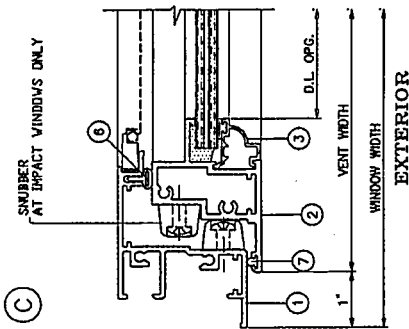
1. Notice of Acceptance No. 14-0506.01, issued to CGI Windows & Doors, Inc. for their Series "238" Outswing Aluminum Casement Window - L.M.I., approved on 06/26/14 and expiring on 10/26/18.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.19  
Expiration Date: October 26, 2018  
Approval Date: September 17, 2015

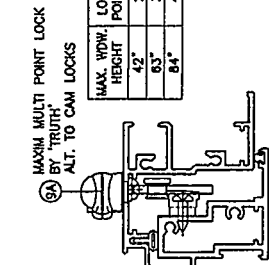
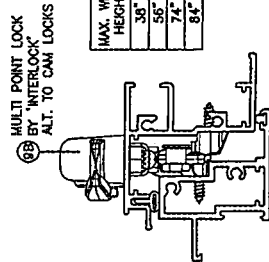
**GENERAL WINDOW SECTIONS  
FLANGE FRAME**



FOR GLASS TYPES,  
REFER TO  
SHEETS 3 AND 4.



**TYPICAL ELEVATION  
(FLANGE FRAME)**



THESE WINDOWS ARE RATED FOR LARGE & SMALL-HISSILE-HIPAGE SHUTTERS ARE NOT REQUIRED.

FOR MULLION/MULTIPLE UNITS, REFER TO SEPARATE CGI MULLION N.O.A.

NOTES:  
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).  
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.  
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.  
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.  
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

INSTRUCTIONS:  
USE CHARTS AS FOLLOWS.  
**STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.  
**STEP 2** SEE CHARTS ON SHEETS 3 AND 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE/TYPE.  
**STEP 3** USING CHART ON SHEET 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.  
**STEP 4** IF ALUMINUM BUCK SYSTEM IS USED USE CHART ON SHEET 7 TO DETERMINE CAPACITY.  
**STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

Engr. JAVAD AHMAD  
CIVIL  
FLA. REG. NO. 76592  
C.A.N.T. 3038

PRODUCT REVISED  
By complying with the Florida  
Building Code No. 15-0512.19  
Registration Date 03/26/2018  
By *J. Ahmad*  
Mullion/Double Product Company

REVISIONS:  
NO. DATE DESCRIPTION  
1 02.21.12 UPDATED TO 2010 FBC  
2 12.04.12 LOCK OPTION ADDED  
3 08.28.12 REV. PER REB COMMENTS  
4 08.28.12 GENERAL REVISION  
5 04.10.13 NO CHANGE THIS SHEET

DATE: 12-04-98  
BY: HAUD  
SCALE: 1/2" = 1"  
DRAWING NO.: W98-100  
SHEET 1 OF 7

**A-FARQO CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 262-4100  
FAX. (305) 262-6978  
COMP-ANL W98-100CGI

**CGI WINDOWS & DOORS INC.**  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL. (305) 593-6590  
FAX. (305) 593-8592

SERIES-238 ALUM. OUTSWING CASSETT WDW. (L.M.I.)

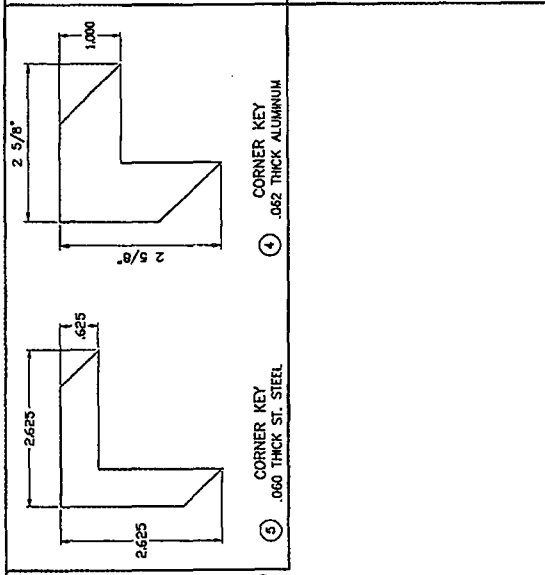
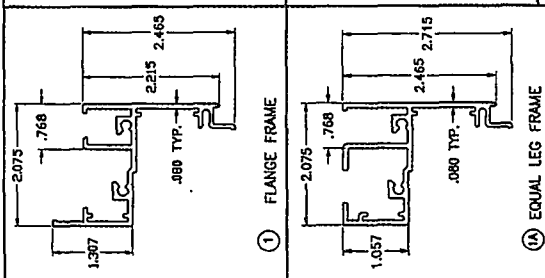
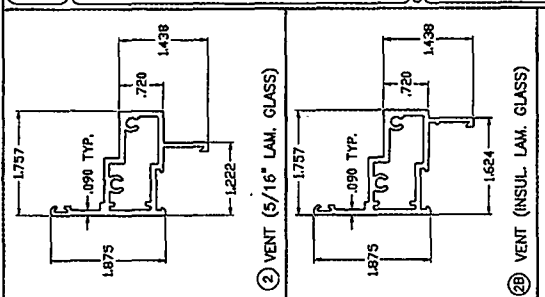


AL-FAROO CORPORATION  
 ENGINEERS & PRODUCT DEVELOPMENT  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100  
 FAX (305) 262-9378  
 COMP-INTL W98-100CGI

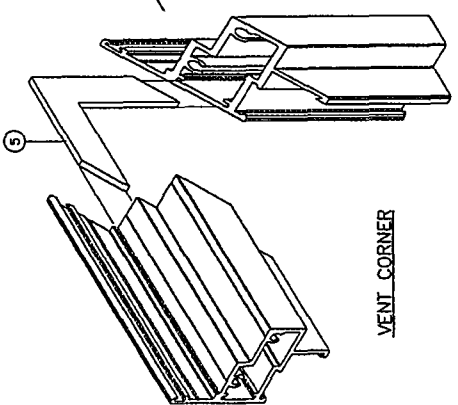
CGI WINDOWS & DOORS INC.  
 10100 N.W. 25TH STREET  
 MIAMI, FL 33172  
 TEL (305) 593-6590 FAX (305) 593-6592

CGI-396: 230 ALUM OUTSWING CASSETT WDM. (L.M.I.)  
 REVISIONS:  
 NO DATE BY DESCRIPTION  
 02.21.12 NO CHANGE THIS SHEET  
 12.06.12 LOCK OPTION ADDED  
 02.28.13 REV. PER REB COMMENTS  
 04.23.14 NO CHANGE THIS SHEET  
 04.10.15 NO CHANGE THIS SHEET

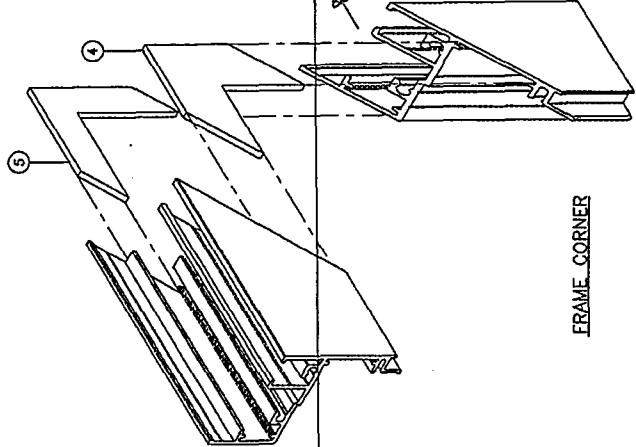
date: 12-04-98  
 model: 1/2" = 1"  
 dr: 95 HAHID  
 drawing no. W98-100  
 sheet 2 of 7



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	CGI-373	4	FLANGE FRAME	6063-T6 ALUMINUM	
1A	CGI-397	4	EQUAL LEG FRAME	6063-T6 ALUMINUM	
2	CGI-378	4	VENT (5/16" LAM. GLASS)	6063-T6 ALUMINUM	
2B	CGI-381	4	VENT (INSUL. LAM. GLASS)	6063-T6 ALUMINUM	
2C	CGI-385	4	VENT (7/16" LAM. GLASS)	6063-T6 ALUMINUM	
3	CGI-375	4	OGEE GLAZING BEAD	6063-T6 ALUMINUM	
3A	CGI-396	4	SQUARE GLAZING BEAD	ALUMINUM	
4		4	.060 THICK CORNER KEY	ALUMINUM	
5		4	.060 THICK CORNER KEY	ST. STEEL	
6	AP-425	AS REQD.	FRAME WEATHERSTRIPPING	SCHLEGEL APTUS	
7	Q250-K-190	AS REQD.	VENT WEATHERSTRIPPING	SCHLEGEL Q-LON	
8	35-10-00-101	2/ VENT	4 BAR HINGE, AT TOP AND BOTTOM	STEEL	TRUTH, ATTACHED W/ (6) #10 X 3/8" SS SHS
9	24-13-00-202	2/ VENT	FACE MOUNT LOCK	STEEL	TRUTH, ATTACHED W/ (2) #8 X 3/8" SHS
9A		1/ VENT	MULTI POINT LOCK	STEEL	TRUTH
9B		1/ VENT	MULTI POINT LOCK	STEEL	INTERLOCK
10		2/ VENT	.110 THICK LOCK KEEPER, AT FRAME JAMB FACING LOCK	STEEL	CGI, ATTACHED W/ (2) #10 X 3/8" SS SHS
11		1	OPERATOR (OPTIONAL)	STEEL	TRUTH, ATTACHED W/ (2) #8 X 3/8" SS SHS
11A		1	OPERATOR (OPTIONAL)	STEEL	INTERLOCK
12	30175	1	OPERATOR TRACK	STEEL	TRUTH, ATTACHED W/ (2) #8 X 3/8" SS SHS
13		2/	CORNER FRAME AND VENT ASSEMBLY SCREWS	STEEL	#10 X 1-1/4" SS SHS



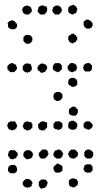
ALL FRAME AND VENT CORNERS TO BE SEALED WITH GE SILPUF OR EQUIV.



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 15-0512.19  
 Expiration Date 03-31-2018  
 By: *Manuel Silva*  
 Miami Trade Product Control

ENR: JAVAD AHMAD  
 CIVIL  
 F.L.A. # 70592  
 C.A.N. 353

NOV 21 2015

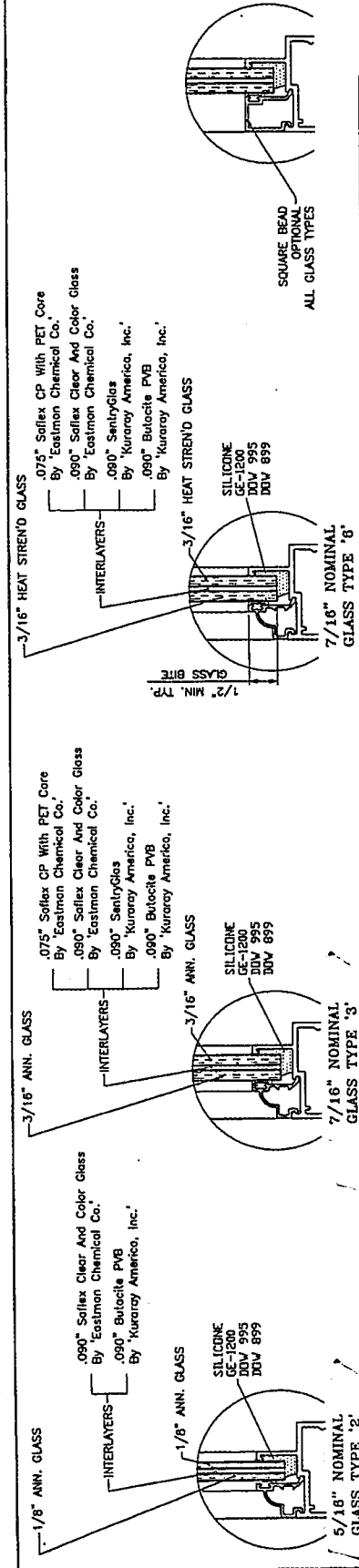


AL-FAROOD CORPORATION  
ENGINEERS & PRODUCT DEVELOPMENT  
MIAMI, FLORIDA 33174  
TEL: (305) 264-6100  
FAX: (305) 262-6378  
COMP-ANL W98-100CGI

CGI WINDOWS & DOORS INC.  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL: (305) 593-6590  
FAX: (305) 593-6592  
SERIES-238 ALUM. OUTSWING CASSETT WIND. (L.M.)

REVISIONS:  
NO. DATE DESCRIPTION  
1 04.10.15 INTERLAYER REV.  
2 02.22.14 GENERAL REVISION  
3 02.22.14 REV. FEM. RFR COMMENTS  
4 12.06.12 LOCK OPTION ADDED  
5 02.21.12 UPDATED TO 2010 FBC

Scale: 1/2" = 1"  
Drawing no. W98-100  
Sheet 3 of 7



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19'-1/8" 26"	110.0	195.0	110.0	195.0	110.0	195.0
26'-1/2" 37"	110.0	145.4	110.0	195.0	110.0	195.0
42" 42"	110.0	128.1	110.0	195.0	110.0	195.0
19'-1/8" 38'-3/8"	110.0	190.6	110.0	195.0	110.0	195.0
26'-1/2" 37"	98.5	98.5	110.0	194.5	110.0	120.0
42" 42"	86.8	86.8	110.0	120.0	110.0	120.0
19'-1/8" 19'-1/8"	110.0	144.5	110.0	195.0	110.0	195.0
26'-1/2" 26'-1/2"	89.7	104.3	110.0	195.0	110.0	195.0
50'-5/8" 42"	74.7	74.7	110.0	120.0	110.0	120.0
42" 42"	65.8	65.8	110.0	120.0	110.0	120.0
19'-1/8" 19'-1/8"	96.7	104.2	110.0	195.0	110.0	195.0
26'-1/2" 63"	74.9	77.9	110.0	120.0	110.0	120.0
42" 42"	60.0	60.0	110.0	120.0	110.0	120.0
19'-1/8" 42"	63.0	63.0	110.0	195.0	110.0	120.0
26'-1/2" 74'-1/4"	46.6	46.6	110.0	120.0	110.0	120.0
37" 37"	-	-	59.8	59.8	59.8	59.8
77" 77"	-	-	56.3	56.3	56.3	56.3

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20" 24"	98.8	112.6	110.0	195.0	110.0	195.0
24" 28"	85.8	95.4	110.0	195.0	110.0	120.0
28" 30"	76.7	83.3	110.0	120.0	110.0	120.0
30" 32"	73.2	77.7	110.0	120.0	110.0	120.0
32" 36"	70.2	72.8	110.0	120.0	110.0	120.0
36" 40"	64.8	64.8	110.0	120.0	110.0	120.0
40" 42"	-	-	60.0	60.0	60.0	60.0
20" 24"	88.7	86.7	110.0	195.0	110.0	195.0
24" 28"	73.4	73.4	110.0	120.0	110.0	120.0
28" 30"	64.2	64.2	110.0	120.0	110.0	120.0
30" 32"	60.6	60.6	110.0	120.0	110.0	120.0
32" 36"	57.5	57.5	110.0	120.0	110.0	120.0
36" 40"	-	-	60.0	60.0	60.0	60.0
40" 40"	-	-	60.0	60.0	60.0	60.0
20" 24"	66.4	66.4	110.0	195.0	110.0	120.0
24" 28"	56.1	56.1	110.0	120.0	110.0	120.0
28" 30"	48.9	48.9	110.0	120.0	110.0	120.0
30" 32"	46.0	46.0	110.0	120.0	110.0	120.0
32" 36"	43.6	43.6	110.0	120.0	110.0	120.0
36" 36"	-	-	60.0	60.0	60.0	60.0
36" 32"	-	-	60.0	60.0	60.0	60.0
35" 35"	-	-	60.0	60.0	60.0	60.0
20" 24"	52.0	52.0	110.0	120.0	110.0	120.0
24" 24"	43.8	43.8	110.0	120.0	110.0	120.0
24" 28"	36.1	36.1	110.0	120.0	110.0	120.0
28" 30"	-	-	110.0	120.0	60.0	60.0
30" 32"	-	-	60.0	60.0	60.0	60.0
32" 32"	41.5	41.5	110.0	120.0	110.0	120.0
24" 24"	34.9	34.9	110.0	120.0	110.0	120.0
28" 28"	-	-	110.0	120.0	54.5	54.5
30" 30"	-	-	51.2	51.2	51.2	51.2
32" 32"	-	-	48.3	48.3	48.3	48.3

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20" 20"	110.0	194.3	110.0	195.0	110.0	195.0
24" 24"	110.0	138.8	110.0	195.0	110.0	195.0
28" 30"	110.0	129.5	110.0	195.0	110.0	195.0
32" 32"	110.0	121.4	110.0	195.0	110.0	195.0
36" 36"	107.9	107.9	110.0	195.0	110.0	195.0
40" 40"	97.1	97.1	110.0	195.0	110.0	120.0
42" 42"	92.5	92.5	110.0	120.0	80.0	80.0
20" 20"	110.0	165.5	110.0	195.0	110.0	195.0
24" 24"	110.0	138.8	110.0	195.0	110.0	195.0
28" 28"	110.0	118.9	110.0	195.0	110.0	195.0
30" 30"	110.0	111.0	110.0	195.0	110.0	195.0
32" 32"	104.1	104.1	110.0	195.0	110.0	120.0
36" 36"	92.5	92.5	110.0	120.0	110.0	120.0
40" 40"	83.3	83.3	110.0	120.0	110.0	120.0
42" 42"	78.3	79.3	110.0	120.0	60.0	60.0
20" 20"	110.0	145.7	110.0	195.0	110.0	195.0
24" 24"	110.0	121.4	110.0	195.0	110.0	195.0
28" 28"	103.8	104.1	110.0	195.0	110.0	120.0
30" 30"	97.1	97.1	110.0	195.0	110.0	120.0
32" 32"	91.1	91.1	110.0	120.0	110.0	120.0
36" 36"	80.9	80.9	110.0	120.0	110.0	120.0
40" 40"	72.8	72.8	110.0	120.0	110.0	120.0
42" 42"	69.4	69.4	110.0	120.0	60.0	60.0
20" 20"	110.0	129.5	110.0	195.0	110.0	195.0
24" 24"	96.0	107.9	110.0	195.0	110.0	195.0
28" 28"	86.2	92.5	110.0	120.0	110.0	120.0
30" 30"	84.4	86.3	110.0	120.0	110.0	120.0
32" 32"	80.9	80.9	110.0	120.0	110.0	120.0
36" 36"	71.9	71.9	110.0	120.0	110.0	120.0
40" 40"	64.8	64.8	110.0	120.0	110.0	120.0
42" 42"	61.7	61.7	110.0	120.0	60.0	60.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20" 20"	110.0	194.3	110.0	195.0	110.0	195.0
24" 24"	110.0	138.8	110.0	195.0	110.0	195.0
28" 30"	110.0	129.5	110.0	195.0	110.0	195.0
32" 32"	110.0	121.4	110.0	195.0	110.0	195.0
36" 36"	107.9	107.9	110.0	195.0	110.0	195.0
40" 40"	97.1	97.1	110.0	195.0	110.0	120.0
42" 42"	92.5	92.5	110.0	120.0	80.0	80.0
20" 20"	110.0	165.5	110.0	195.0	110.0	195.0
24" 24"	110.0	138.8	110.0	195.0	110.0	195.0
28" 28"	110.0	118.9	110.0	195.0	110.0	195.0
30" 30"	110.0	111.0	110.0	195.0	110.0	195.0
32" 32"	104.1	104.1	110.0	195.0	110.0	120.0
36" 36"	92.5	92.5	110.0	120.0	110.0	120.0
40" 40"	83.3	83.3	110.0	120.0	110.0	120.0
42" 42"	78.3	79.3	110.0	120.0	60.0	60.0
20" 20"	110.0	145.7	110.0	195.0	110.0	195.0
24" 24"	110.0	121.4	110.0	195.0	110.0	195.0
28" 28"	103.8	104.1	110.0	195.0	110.0	120.0
30" 30"	97.1	97.1	110.0	195.0	110.0	120.0
32" 32"	91.1	91.1	110.0	120.0	110.0	120.0
36" 36"	80.9	80.9	110.0	120.0	110.0	120.0
40" 40"	72.8	72.8	110.0	120.0	110.0	120.0
42" 42"	69.4	69.4	110.0	120.0	60.0	60.0
20" 20"	110.0	129.5	110.0	195.0	110.0	195.0
24" 24"	96.0	107.9	110.0	195.0	110.0	195.0
28" 28"	86.2	92.5	110.0	120.0	110.0	120.0
30" 30"	84.4	86.3	110.0	120.0	110.0	120.0
32" 32"	80.9	80.9	110.0	120.0	110.0	120.0
36" 36"	71.9	71.9	110.0	120.0	110.0	120.0
40" 40"	64.8	64.8	110.0	120.0	110.0	120.0
42" 42"	61.7	61.7	110.0	120.0	60.0	60.0

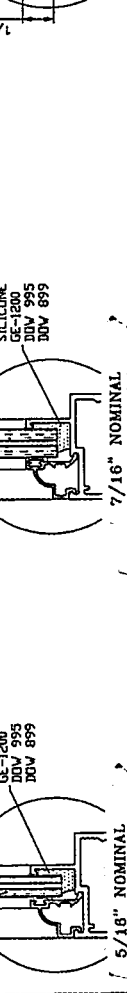
\* LIMIT MAX. LOADS TO 171.0 PSF  
IS USED

\*\* SIZE 37" X 77" APPLICABLE TO FLANGE FRAMES ONLY  
SEE SHEET 1

NOTE: CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

NOTE: LOAD/AREA LIMITS  
FOR +110.0, -120.0 PSF = 16.34 SQ. FT.  
FOR +110.0, -195.0 PSF = 10.00 SQ. FT.

PROFIT REVISIONED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0512.19  
Exception Date 02/26/2018  
By: [Signature]  
Military Glass Products Company



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

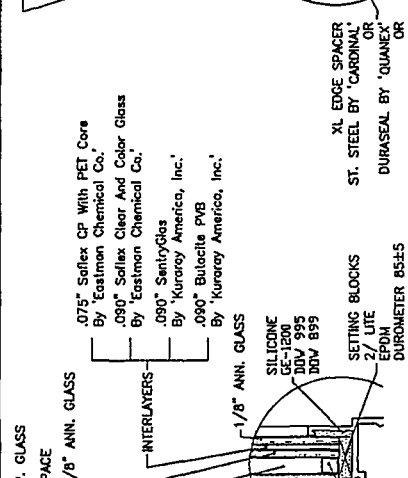
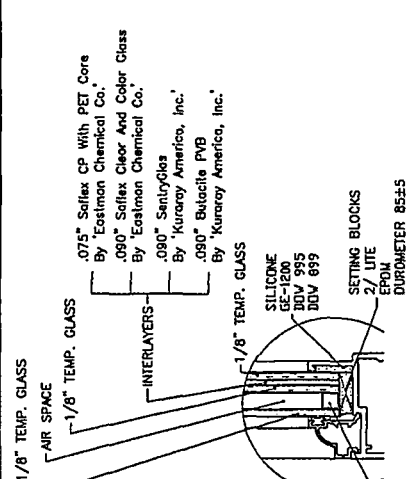
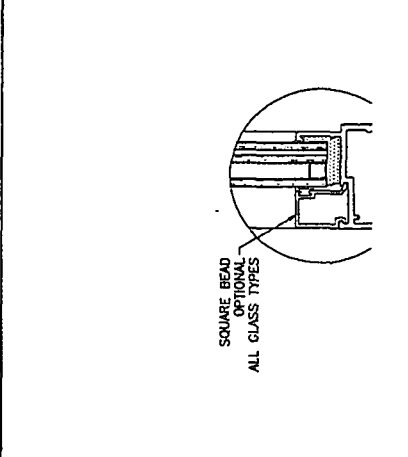
WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20" 20"	110.0	194.3	110.0	195.0	110.0	195.0
24" 24"	110.0	138.8	110.0	195.0	110.0	195.0
28" 30"	110.0	129.5	110.0	195.0	110.0	195.0
32" 32"	110.0	121.4	110.0	195.0	110.0	195.0
36" 36"	107.9	107.9	110.0	195.0	110.0	195.0
40" 40"	97.1	97.1	110.0	195.0	110.0	120.0
42" 42"	92.5	92.5	110.0	120.0	80.0	80.0
20" 20"	110.0	165.5	110.0	195.0	110.0	195.0
24" 24"	110.0	138.8	110.0	195.0	110.0	195.0
28" 28"	110.0	118.9	110.0	195.0	110.0	195.0
30" 30"	110.0	111.0	110.0	195.0	110.0	195.0
32" 32"	104.1					

AL-FAROOQ CORPORATION  
ENGINEERS & PRODUCT DEVELOPMENT  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL W98-100CGI

CGI WINDOWS & DOORS INC.  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL (305) 593-6590 FAX (305) 593-6592

DESCRIPTION  
UPDATED TO 2010 RAC  
LOCK OPTION COMMENTS  
REV. PER REVISIONS  
GENERAL REVISION  
INTERLAYER & SPACER REV.

date: 12-04-98  
scale: 1/2" = 1"  
drawing no. W98-100  
sheet 4 of 7



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2A'		GLASS TYPE '3A'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	110.0	195.0	110.0	195.0
26-1/2"	110.0	203.0	110.0	195.0
37"	110.0	145.4	110.0	195.0
42"	110.0	128.1	110.0	195.0
19-1/8"	110.0	190.6	110.0	195.0
26-1/2"	110.0	137.5	110.0	195.0
37"	98.5	98.5	110.0	120.0
42"	86.8	86.8	110.0	120.0
19-1/8"	110.0	144.5	110.0	195.0
26-1/2"	99.7	104.3	110.0	195.0
37"	74.7	74.7	110.0	120.0
42"	65.8	65.8	110.0	120.0
19-1/8"	96.7	104.2	110.0	195.0
26-1/2"	74.9	77.9	110.0	120.0
37"	60.0	60.0	110.0	117.0
42"	60.0	60.0	110.0	120.0
19-1/8"	63.0	63.0	110.0	120.0
26-1/2"	46.5	46.5	90.3	90.9
37"	59.8	59.8	59.8	59.8
42"	56.3	56.3	56.3	56.3

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2A'		GLASS TYPE '3A'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20"	98.8	112.8	110.0	195.0
24"	85.8	95.4	110.0	120.0
28"	76.7	83.3	110.0	120.0
30"	73.2	77.7	110.0	120.0
36"	70.2	72.8	110.0	120.0
40"	60.0	60.0	110.0	120.0
42"	60.0	60.0	110.0	120.0
20"	86.7	86.7	110.0	195.0
24"	73.4	73.4	110.0	120.0
28"	64.2	64.2	110.0	120.0
30"	60.6	60.6	110.0	118.2
32"	57.5	57.5	110.0	112.2
36"	60.0	60.0	110.0	120.0
40"	60.0	60.0	110.0	120.0
24"	66.4	66.4	110.0	120.0
28"	56.1	56.1	109.3	109.3
30"	46.9	46.9	95.3	95.3
32"	43.6	43.6	89.8	89.8
36"	60.0	60.0	85.0	85.0
40"	60.0	60.0	85.0	85.0
24"	60.0	60.0	101.3	101.3
28"	52.0	52.0	85.4	85.4
30"	43.8	43.8	74.3	74.3
32"	38.1	38.1	60.0	60.0
36"	60.0	60.0	60.0	60.0
40"	41.5	41.5	50.8	50.8
24"	34.9	34.9	68.0	68.0
28"	54.5	54.5	51.2	51.2
30"	51.2	51.2	48.3	48.3
32"	48.3	48.3	48.3	48.3

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2A'		GLASS TYPE '3A'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20"	110.0	194.3	110.0	195.0
24"	110.0	161.9	110.0	195.0
28"	110.0	138.8	110.0	195.0
30"	110.0	129.5	110.0	195.0
36"	110.0	121.4	110.0	195.0
40"	97.1	97.1	110.0	120.0
42"	92.5	92.5	110.0	120.0
20"	110.0	166.5	110.0	195.0
24"	110.0	138.8	110.0	195.0
28"	110.0	116.9	110.0	195.0
30"	110.0	111.0	110.0	195.0
32"	104.1	104.1	110.0	120.0
36"	92.5	92.5	110.0	120.0
40"	83.3	83.3	110.0	120.0
42"	78.3	78.3	110.0	120.0
20"	110.0	145.7	110.0	195.0
24"	110.0	121.4	110.0	195.0
28"	104.1	104.1	110.0	120.0
30"	97.1	97.1	110.0	120.0
36"	80.9	80.9	110.0	120.0
40"	72.8	72.8	110.0	120.0
42"	69.4	69.4	110.0	120.0
20"	110.0	129.5	110.0	195.0
24"	98.0	107.9	110.0	195.0
28"	92.5	92.5	110.0	120.0
30"	84.4	86.3	110.0	120.0
32"	80.9	80.9	110.0	120.0
36"	71.9	71.9	110.0	120.0
40"	64.8	64.8	110.0	120.0
42"	61.7	61.7	110.0	120.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2A'		GLASS TYPE '3A'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20"	110.0	194.3	110.0	195.0
24"	110.0	161.9	110.0	195.0
28"	110.0	138.8	110.0	195.0
30"	110.0	129.5	110.0	195.0
36"	110.0	121.4	110.0	195.0
40"	97.1	97.1	110.0	120.0
42"	92.5	92.5	110.0	120.0
20"	110.0	166.5	110.0	195.0
24"	110.0	138.8	110.0	195.0
28"	110.0	116.9	110.0	195.0
30"	110.0	111.0	110.0	195.0
32"	104.1	104.1	110.0	120.0
36"	92.5	92.5	110.0	120.0
40"	83.3	83.3	110.0	120.0
42"	78.3	78.3	110.0	120.0
20"	110.0	145.7	110.0	195.0
24"	110.0	121.4	110.0	195.0
28"	104.1	104.1	110.0	120.0
30"	97.1	97.1	110.0	120.0
36"	80.9	80.9	110.0	120.0
40"	72.8	72.8	110.0	120.0
42"	69.4	69.4	110.0	120.0
20"	110.0	129.5	110.0	195.0
24"	98.0	107.9	110.0	195.0
28"	92.5	92.5	110.0	120.0
30"	84.4	86.3	110.0	120.0
32"	80.9	80.9	110.0	120.0
36"	71.9	71.9	110.0	120.0
40"	64.8	64.8	110.0	120.0
42"	61.7	61.7	110.0	120.0

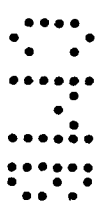
NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr. JAWAD AHMAD  
CIVIL  
FLA. REG. NO. 76592  
CALIF. REG. NO. 6338

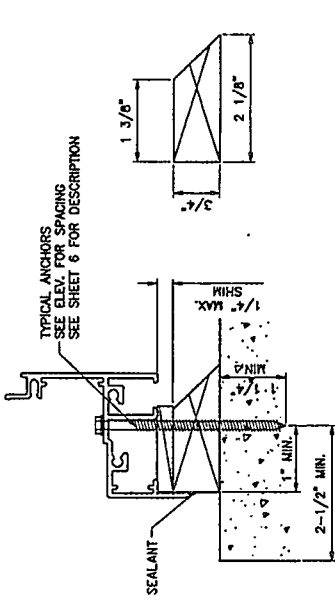
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-DES12-19  
Registration Date 03/16/2018  
by: *Michael B. Bays*  
Miami Duct-Product Company

MADE IN U.S.A.

NOTE: LOAD/AREA LIMITS  
FOR +110.0, -120.0 PSF = 16.34 SQ. FT.  
+110.0, -195.0 PSF = 10.00 SQ. FT.

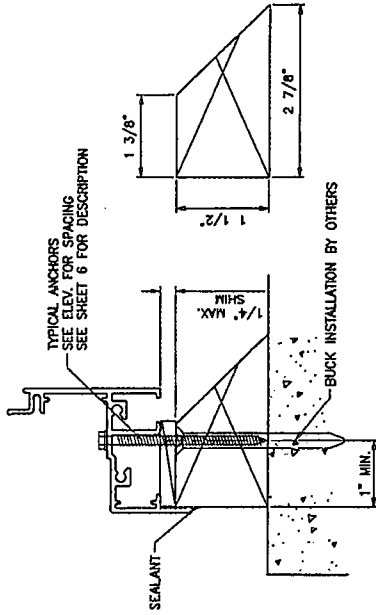


**INSTALLATION CONDITIONS FLANGE FRAME (APPLIES TO ALL FOUR SIDES)**  
FOR ANCHOR PERFORMANCE VALUES SEE SHEET 6



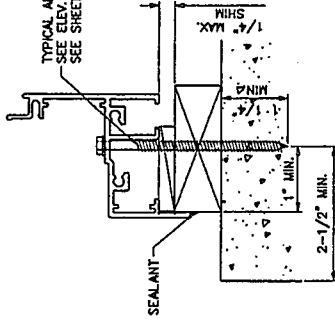
**WOOD BUCK TYPE '1'**  
MATERIAL: PRESSURE TREATED

**TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD**



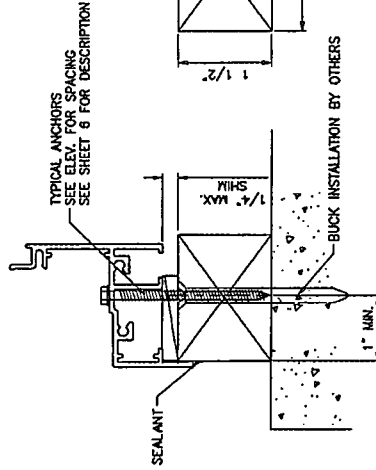
**WOOD BUCK TYPE '3'**  
MATERIAL: PRESSURE TREATED

**TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD**



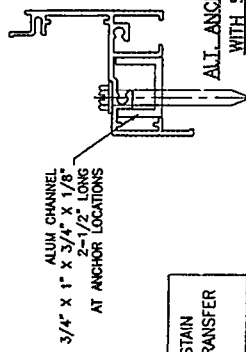
**WOOD BUCK TYPE '2'**  
MATERIAL: PRESSURE TREATED

**TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD**

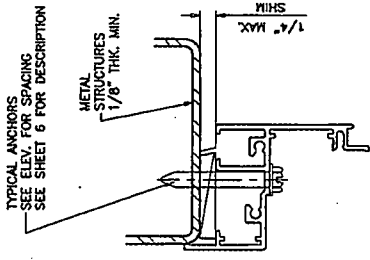


**WOOD BUCK TYPE '4'**  
MATERIAL: PRESSURE TREATED

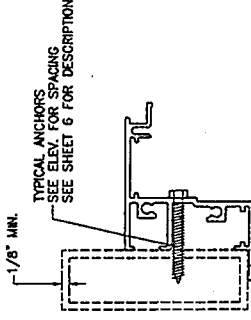
**TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD**



WOOD BUCKS NOT BY CGI CORP., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



**ATTACHMENT TO  
METAL STRUCTURES**



**ATTACHMENT TO  
APPROVED MULLIONS**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1233 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 254-8100 FAX (305) 264-6978  
COMP-ANL-W98-100CG

SERIES-238 ALUM. OUTSINK CASMENT WDW. (L.M.T.)  
**CGI WINDOWS & DOORS INC.**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL (305) 593-6590 FAX (305) 593-6592

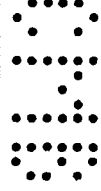
NO. 0016	DESCRIPTION	NO CHANGE THIS SHEET
F 02.21.12	NO CHANGE THIS SHEET	
C 12.06.12	NO CHANGE THIS SHEET	
H 02.28.12	REV. PER RFR COMMENTS	NO CHANGE THIS SHEET
I 04.25.14	NO CHANGE THIS SHEET	
J 04.10.15	NO CHANGE THIS SHEET	

date: 12-04-98  
drawing no. **W98-100**  
sheet 5 of 7

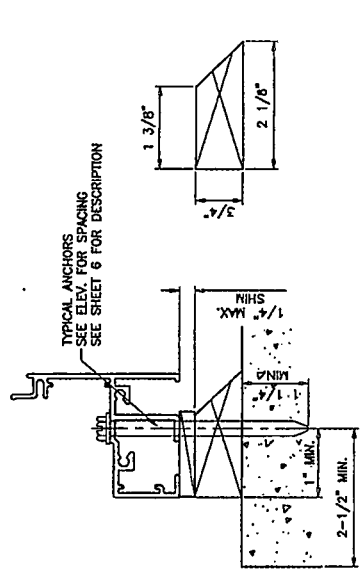
Engr. JAVAD AHMAD  
CIVIL  
P.L.A. No. 765992  
C.A.M. No. 35295

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Exemption No. 15-0512-17  
Expiration Date: 03/31/2018

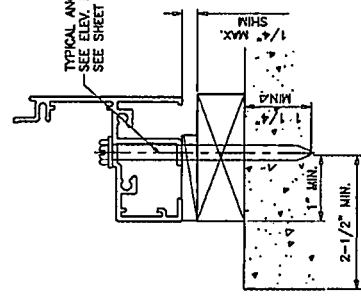
By: *[Signature]*  
Mahmoud Product Control



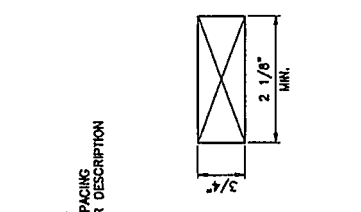
**INSTALLATION CONDITIONS EQUAL LEG FRAME (APPLIES TO ALL FOUR SIDES)**  
 FOR ANCHOR PERFORMANCE VALUES SEE SHEET 6



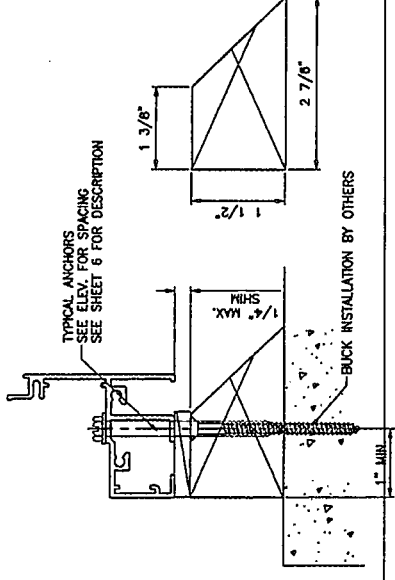
**INSTALLATION TYPE '1'**  
**WOOD BUCK TYPE '1'**  
 MATERIAL: PRESSURE TREATED  
**TYPICAL INSTALLATION DETAIL**  
**ON ALL FOUR SIDES/USING WOOD**



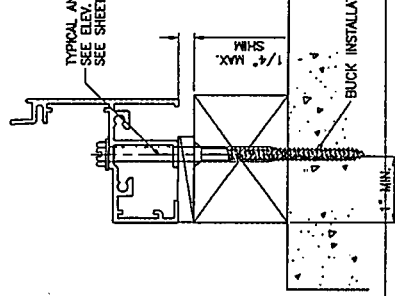
**INSTALLATION TYPE '2'**  
**WOOD BUCK TYPE '2'**  
 MATERIAL: PRESSURE TREATED  
**TYPICAL INSTALLATION DETAIL**  
**ON ALL FOUR SIDES/USING WOOD**



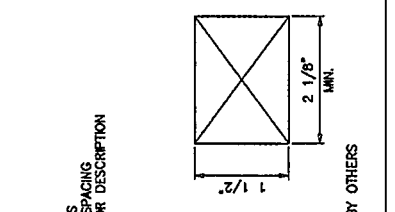
**INSTALLATION TYPE '3'**  
**WOOD BUCK TYPE '3'**  
 MATERIAL: PRESSURE TREATED  
**TYPICAL INSTALLATION DETAIL**  
**ON ALL FOUR SIDES/USING WOOD**



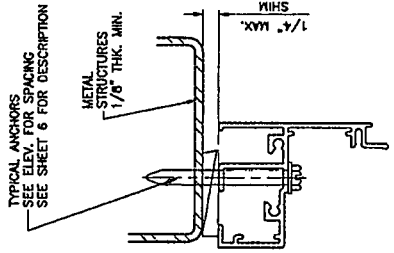
**INSTALLATION TYPE '4'**  
**WOOD BUCK TYPE '4'**  
 MATERIAL: PRESSURE TREATED  
**TYPICAL INSTALLATION DETAIL**  
**ON ALL FOUR SIDES/USING WOOD**



**ATTACHMENT TO METAL STRUCTURES**



**ATTACHMENT TO APPROVED MULLIONS**



**AL-FAROQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W98-100CC

SERIES-238 ALUM OUTSMG CASSEMENT WDM. (L.M.)  
**CGI WINDOWS & DOORS INC.**  
 10100 N.W. 25TH STREET  
 MIAMI, FL. 33172  
 TEL. (305) 593-6590 FAX. (305) 593-6592

NO. DATE	DESCRIPTION
F 04.10.15	NO CHANGE THIS SHEET
H 02.28.13	REV. PER RFR COMMENTS
G 12.06.12	NO CHANGE THIS SHEET
F 02.21.12	NO CHANGE THIS SHEET
BY	DESCRIPTION

date: 12-04-98  
 scale: 1/2" = 1"  
 drawing no. **W98-100**  
 sheet 5.1 of 7

Engr. JAVAD AHMAD  
 CIVIL 70562  
 P.E. CALIF. 3538  
 MAY 08 2015

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 15-0512-19  
 Expiration Date 05/31/2018  
 By: *J. Ahmad*  
 Millwright (Direct Product Control)

WOOD BUCKS NOT BY CGI CORP., MUST SUSTAIN  
 LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER  
 THEM TO THE BUILDING STRUCTURE.







BR1701102

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

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

**NOTICE OF ACCEPTANCE (NOA)**

CGI Windows and Doors, Inc.  
10100 NW 25<sup>th</sup> Street  
Miami, FL 33172

**SCOPE:**

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

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

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "238" Aluminum Project Out Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. W99-04, titled "Series-238 Alum. Project Out Window", Sheets 1, 1.1, 2, 3, 4, 5, 5.1, 6 and 7 of 7, dated 01/21/99, with revision I dated 04/10/15, prepared by A. Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact 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# 14-0915.08 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 Manuel Perez, P.E.



Handwritten signature and date: 9/10/15

NOA No. 15-0512.21  
Expiration Date: October 31, 2018  
Approval Date: September 17, 2015

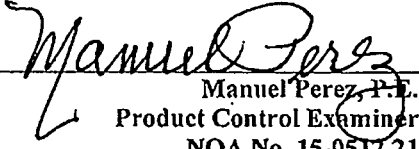
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA's No. 96-0717.04 and 99-0329.02)*
2. Drawing No. W99-04, titled "Series-238 Alum. Project Out Window", sheets 1, 1.1, 2, 3, 4, 5, 5.1, 6 and 7 of 7, dated 01/21/99, with revision I dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 a series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WA, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
2. 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 a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WB, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
3. 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 a series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WC, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E.
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of aluminum casement, project-out and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Reports No. HTL-0080-0301-07 and HTL-0080-0905-07, dated 08/08/08, all signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA No. 08-1010.03)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.21  
Expiration Date: October 31, 2018  
Approval Date: September 17, 2015

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**B. TESTS (CONTINUED)**


5. 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 an aluminum project-out window, prepared by Hurricane Engineering & Testing, Inc. Reports No. **HETI-08-2143, HETI-08-2144, HETI-07-4298 and HETI-07-4287**, dated 06/27/08 and 07/17/08, all signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No. 08-1010.03)*
6. Test reports on: 1) Air Infiltration Test, per SFBC, PA 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of aluminum casement, project-out and fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-1055 and FTL-1019**, dated 10/18/94, signed and sealed by Yamil Kuri, P.E.  
*(Submitted under NOA No. 96-0717.04)*
7. 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 an aluminum casement window, prepared by Hurricane Test Laboratory, Inc., Test Reports No. **HTL-0080-0303-96 and HTL-0080-1107-98**, dated 09/08/96 and 12/23/98 respectively, all signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA's No. 96-0717.04 and 99-0329.02)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 09/03/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under previous NOA No. 14-0915.08)*
2. Glazing complies with **ASTM E1300-09**

**D. QUALITY ASSURANCE**

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

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.21  
Expiration Date: October 31, 2018  
Approval Date: September 17, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.
2. Notice of Acceptance No. 14-0423.15 issued to Eastman Chemical Company (MA) for their "Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 06/19/14, expiring on 12/11/18.
3. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.
4. Notice of Acceptance No. 14-0423.17 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 06/19/14, expiring on 05/21/16.

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-5<sup>th</sup> Edition (2014), and of no financial interest, dated 09/03/14, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under previous NOA No. 14-0915.08)*
2. Laboratory compliance letters for Test Reports No. HTL-0080-0301-07 and HTL-0080-0905-07, issued by Hurricane Test Laboratory, Inc., dated 08/08/08, all signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA No. 08-1010.03)*
3. Test Proposal for the qualification of Butacite® PVB glass interlayer by Kuraray America, Inc., as well as Duraseal® and Super Spacer® Standard warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.

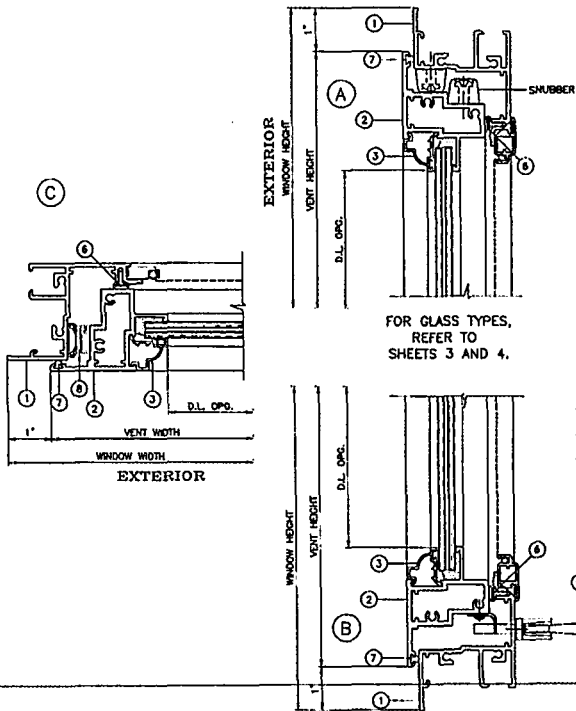
**G. OTHERS**

1. Notice of Acceptance No. 14-0915.08, issued to CGI Windows & Doors for their Series "238" Aluminum Project-Out Window - L.M.I. approved on 02/05/15 and expiring on 10/31/18.

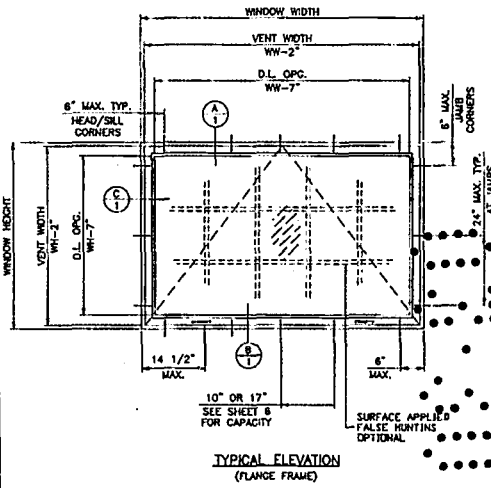
  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0512.21

Expiration Date: October 31, 2018  
Approval Date: September 17, 2015

**GENERAL WINDOW SECTIONS  
FLANGE FRAME**



FOR GLASS TYPES, REFER TO SHEETS 3 AND 4.



FOR MULLION/MULTIPLE UNITS, REFER TO SEPARATE CGI MULLION N.O.A.

- INSTRUCTIONS:**  
USE CHARTS AS FOLLOWS.
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
  - STEP 2** SEE CHARTS ON SHEETS 3 AND 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE/TYPE.
  - STEP 3** USING CHART ON SHEET 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
  - STEP 4** IF ALUMINUM BUCK SYSTEM IS USED USE CHART ON SHEET 7 TO DETERMINE CAPACITY.
  - STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

**NOTES:**  
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).  
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.  
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.  
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.  
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.  
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.

MAX. WIND WIND	LOCK POINTS
42"	2
63"	3
84"	4

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

Eng: JAVAD AHMAD  
• 209  
FLA. P.E. # 70582  
CAN. 3538  
4 2015

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0512.21  
Regulation Date: 03/31/2018  
By: *M. Williams*  
Miami Trade Product Council

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
MIAMI, FLORIDA 33174  
TEL: (305) 294-8500 FAX: (305) 294-8505  
COMP.-MEX, W99-04-CG

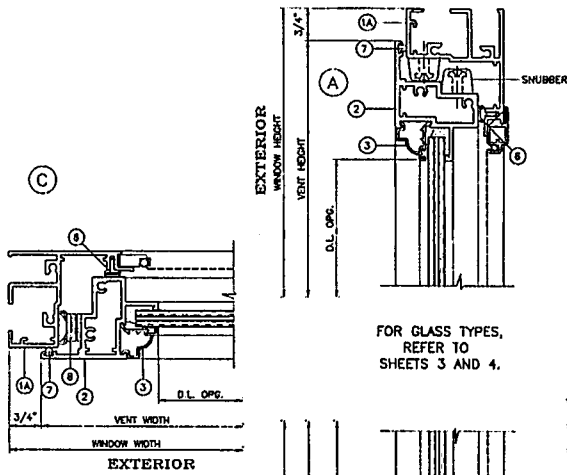
**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL: (305) 893-3900 FAX: (305) 893-8558

REVISIONS:  
NO. DATE BY DESCRIPTION  
1 01/21/11 JAVAD AHMAD (JAH) STARTED TO REV. ENG.  
2 07/21/13 JAH DAWG THIS SHEET  
3 05/13/14 JAH DAWG THIS SHEET  
4 04/13/15 JAH DAWG THIS SHEET  
5 04/13/15 JAH DAWG THIS SHEET

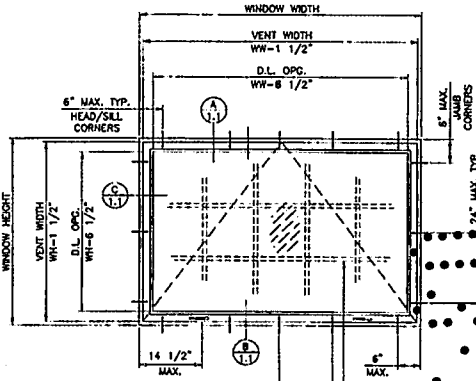
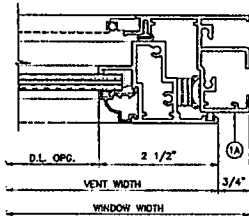
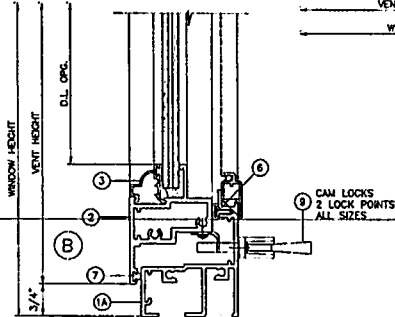
DATE: 01-21-11  
SCALE: 1/2" = 1'  
BY: JAH  
CHECKED BY: JAH

drawing no.  
**W99-04**  
sheet 1 of 7

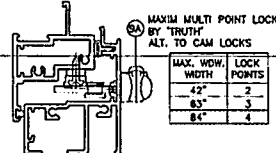
**GENERAL WINDOW SECTIONS  
EQUAL LEG FRAME**



FOR GLASS TYPES,  
REFER TO  
SHEETS 3 AND 4.



**TYPICAL ELEVATION  
(EQUAL LEG FRAME)**



MAX. WID. WIDTH	LOCK POINTS
42"	2
63"	3
84"	4

Eng: JAVIER AHUADO  
FLA. PE # 70592  
CASH 5638  
MAY 14 2015

PRODUCT REVISED  
to comply with Florida  
Building Code  
Acceptance No. 15-0512.21  
Expiration Date 02-21-2018  
By: *[Signature]*  
Miami Trade Product Control

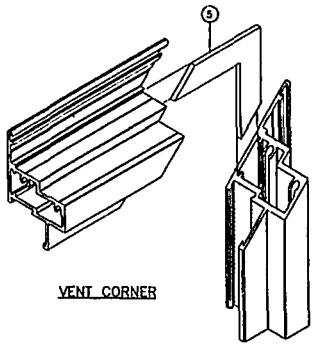
**ALFAROO CORPORATION**  
a f c  
ENGINEERS & PRODUCT DEVELOPMENT  
12235 S.W. 87 AVE.  
MIAMI, FL 33174  
TEL: (305) 284-8500 FAX: (305) 283-9978  
CONF-AN\W99-04-03

SERIES-238 ALUM PROJECT OUT WINDOW  
CGI WINDOWS & DOORS  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL: (305) 663-8990 FAX: (305) 561-6559

CONDITIONS:

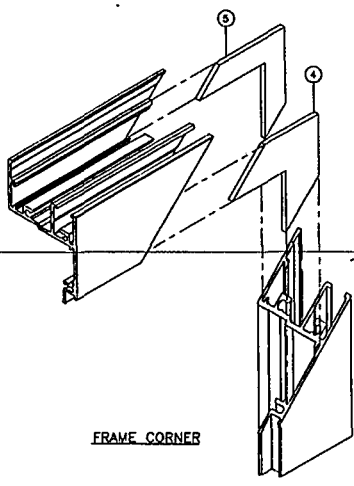
NO	DATE	DESCRIPTION
1	01-21-99	GENERAL SET
2	07-21-11	NO DAMAGE THIS SET
3	07-21-11	NO DAMAGE THIS SET
4	04-10-14	NO DAMAGE THIS SET

drawing no.  
**W99-04**  
Sheet 1 of 7

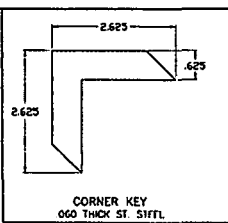


VENT CORNER

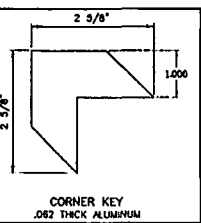
ALL FRAME AND VENT CORNERS TO BE SEALED WITH GE SLPURUF OR EQUIV.



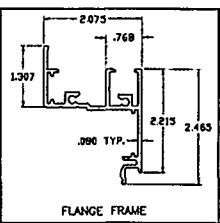
FRAME CORNER



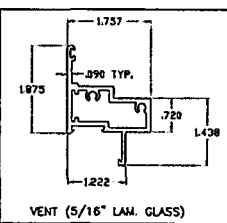
CORNER KEY  
CGO THICK ST. SIFTL



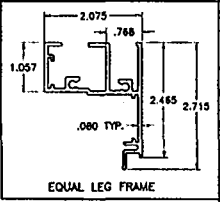
CORNER KEY  
.062 THICK ALUMINUM



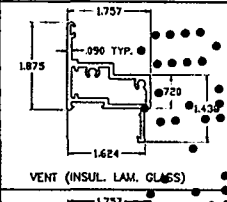
FLANGE FRAME



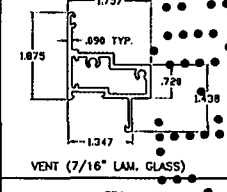
VENT (5/16" LAM. GLASS)



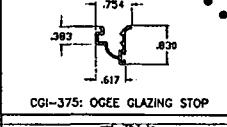
EQUAL LEG FRAME



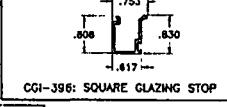
VENT (INSUL. LAM. GLASS)



VENT (7/16" LAM. GLASS)



CGI-375: OGEE GLAZING STOP



CGI-396: SQUARE GLAZING STOP

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	CGI-373	4	FLANGE FRAME	6063-T6	INDALEX OR EQUIV.
1A	CGI-367	4	EQUAL LEG FRAME	6063-T6	INDALEX OR EQUIV.
2	CGI-378	4	VENT (5/16" LAM. GLASS)	6063-T6	INDALEX OR EQUIV.
2B	CGI-381	4	VENT (INSUL. LAM. GLASS)	6063-T6	INDALEX OR EQUIV.
2C	CGI-383	4	VENT (7/16" LAM. GLASS)	6063-T6	INDALEX OR EQUIV.
3	CGI-375	4	OGEE GLAZING BEAD	6063-T6	INDALEX OR EQUIV.
3A	CGI-366	4	SQUARE GLAZING BEAD	6063-T6	INDALEX OR EQUIV.
4	-	4	.060 THICK CORNER KEY	ALUMINUM	-
5	-	8	.060 THICK CORNER KEY	ST. STEEL	-
6	AP-425	AS REQD.	FRAME WEATHERSTRIPPING	-	SCHLEGEL APTUS
7	Q200 X190	AS REQD.	VENT WEATHERSTRIPPING	-	SCHLEGEL G-LHM
8	35-18-00-10	2/ VENT	4 BAR HINGE, AT JAMBS	STEEL	TRUTH, ATTACHED W/ (8) #8 X 3/8" SMS
9	24-13-00-202	2/ VENT	FACE MOUNT LOCK	STEEL	TRUTH, ATTACHED W/ (2) #8 X 3/8" SMS
10	-	2/ VENT	MULTI POINT LOCK	-	-
11	-	2/ CORNER	.110 THICK LOCK KEEPER, AT FRAME JAMB FACING LOCK	STEEL	CGI, ATTACHED W/ (2) #10 X 3/8" SS SMS
12	-	2/ CORNER	FRAME AND VENT ASSEMBLY SCREWS	-	#10 X 1-1/4" SS SMS
13	-	2/ LITE	SETTING BLOCKS	EPDM	DUNOMETER 8063 SHORE A

**AL-FAROQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
3235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL: (305) 284-4400 FAX: (305) 282-9878  
COMP-ANAL-W99-04CG

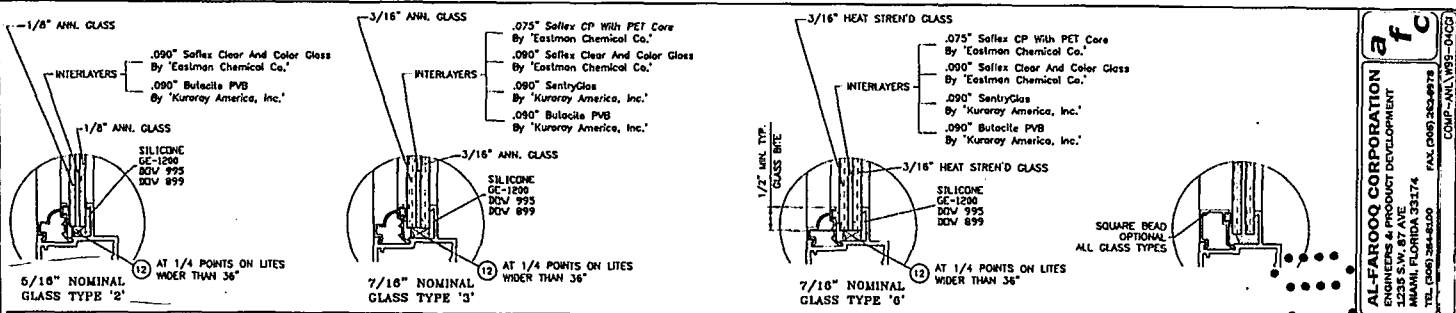
**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL: (305) 693-8900 FAX: (305) 593-6990

DESIGNER: [Signature]  
DATE: 01-21-99  
SCALE: 1/2" = 1"  
BY: HMD  
CHK: [Signature]  
DATE: 03-31-2018

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 15-0512.21  
Expiration Date 03-31-2018  
By: [Signature]  
Miami Trade Product Control

drawing no. **W99-04**  
sheet 2 of 7

Engr. JAVAD AHMAD  
CIVIL  
FLA. PC # 70592  
CAIN. 9538  
MAY 14 2015



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
NO SHUTTERS REQUIRED  
REFER TO SHEETS 6 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24" x 24"	110.0	195.0	110.0	195.0	110.0	195.0
24" x 28"	110.0	195.0	110.0	195.0	110.0	195.0
24" x 30"	110.0	194.3	110.0	195.0	110.0	195.0
24" x 36"	110.0	161.9	110.0	195.0	110.0	195.0
24" x 42"	110.0	138.8	110.0	195.0	110.0	195.0
24" x 48"	110.0	121.4	110.0	195.0	110.0	195.0
24" x 54"	107.9	107.9	110.0	195.0	110.0	195.0
24" x 60"	95.4	95.4	110.0	195.0	110.0	120.0
24" x 66"	73.4	73.4	110.0	120.0	110.0	120.0
24" x 72"	56.1	56.1	110.0	120.0	110.0	120.0
24" x 78"	43.8	43.8	110.0	120.0	110.0	120.0
24" x 84"	34.9	34.9	110.0	120.0	110.0	120.0
30" x 24"	110.0	194.3	110.0	195.0	110.0	195.0
30" x 28"	110.0	166.5	110.0	195.0	110.0	195.0
30" x 30"	110.0	155.4	110.0	195.0	110.0	195.0
30" x 36"	110.0	129.5	110.0	195.0	110.0	195.0
30" x 42"	110.0	111.0	110.0	195.0	110.0	195.0
30" x 48"	97.1	97.1	110.0	195.0	110.0	120.0
30" x 54"	86.3	86.3	110.0	120.0	110.0	120.0
30" x 60"	77.7	77.7	110.0	120.0	110.0	120.0
30" x 66"	60.6	60.6	110.0	120.0	110.0	120.0
30" x 72"	46.0	46.0	110.0	120.0	110.0	120.0
30" x 78"	-	-	110.0	120.0	-	-
30" x 84"	110.0	181.9	110.0	195.0	110.0	195.0
30" x 88"	110.0	138.8	110.0	195.0	110.0	195.0
30" x 92"	110.0	129.5	110.0	195.0	110.0	195.0
30" x 96"	107.9	107.9	110.0	195.0	110.0	195.0
30" x 100"	92.5	92.5	110.0	120.0	110.0	120.0
30" x 104"	80.9	80.9	110.0	120.0	110.0	120.0
30" x 108"	71.9	71.9	110.0	120.0	110.0	120.0
30" x 112"	64.8	64.8	110.0	120.0	110.0	120.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
NO SHUTTERS REQUIRED  
REFER TO SHEETS 6 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24" x 24"	110.0	138.8	110.0	195.0	110.0	195.0
24" x 28"	110.0	118.9	110.0	195.0	110.0	195.0
24" x 30"	110.0	111.0	110.0	195.0	110.0	195.0
24" x 36"	92.5	92.5	110.0	120.0	110.0	120.0
24" x 42"	79.3	79.3	110.0	120.0	110.0	120.0
24" x 48"	69.4	69.4	110.0	120.0	110.0	120.0
24" x 54"	61.7	61.7	110.0	120.0	110.0	120.0
24" x 60"	110.0	121.4	110.0	195.0	110.0	195.0
24" x 66"	104.1	104.1	110.0	195.0	110.0	120.0
24" x 72"	97.1	97.1	110.0	195.0	110.0	120.0
24" x 78"	80.9	80.9	110.0	120.0	110.0	120.0
24" x 84"	69.4	69.4	110.0	120.0	110.0	120.0
24" x 90"	60.7	60.7	110.0	120.0	110.0	120.0
24" x 96"	107.9	107.9	110.0	195.0	110.0	195.0
24" x 102"	92.5	92.5	110.0	120.0	110.0	120.0
24" x 108"	86.3	86.3	110.0	120.0	110.0	120.0
24" x 114"	71.9	71.9	110.0	120.0	110.0	120.0
24" x 120"	61.7	61.7	110.0	120.0	110.0	120.0
24" x 126"	95.4	95.4	110.0	195.0	110.0	120.0
24" x 132"	83.3	83.3	110.0	120.0	110.0	120.0
24" x 138"	77.7	77.7	110.0	120.0	110.0	120.0
24" x 144"	64.8	64.8	110.0	120.0	110.0	120.0
24" x 150"	73.4	73.4	110.0	120.0	110.0	120.0
24" x 156"	64.2	64.2	110.0	120.0	110.0	120.0
24" x 162"	60.6	60.6	110.0	120.0	110.0	120.0
24" x 168"	56.1	56.1	110.0	120.0	110.0	120.0
24" x 174"	48.9	48.9	110.0	120.0	110.0	120.0
24" x 180"	46.0	46.0	110.0	120.0	110.0	120.0
24" x 186"	43.8	43.8	110.0	120.0	110.0	120.0
24" x 192"	38.1	38.1	110.0	120.0	110.0	120.0
24" x 198"	-	-	110.0	120.0	-	-
24" x 204"	34.9	34.9	110.0	120.0	110.0	120.0
24" x 210"	-	-	110.0	120.0	-	-

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
NO SHUTTERS REQUIRED  
REFER TO SHEETS 6 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS. WIDTH HEIGHT	GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8" x 26"	110.0	195.0	110.0	195.0	110.0	195.0
19-1/8" x 38-3/8"	110.0	190.8	110.0	195.0	110.0	195.0
19-1/8" x 50-5/8"	110.0	144.5	110.0	195.0	110.0	195.0
19-1/8" x 63"	104.2	104.2	110.0	195.0	110.0	195.0
19-1/8" x 74-1/4"	63.0	63.0	110.0	195.0	110.0	120.0
19-1/8" x 86"	110.0	195.0	110.0	195.0	110.0	195.0
19-1/8" x 98-3/8"	110.0	137.5	110.0	195.0	110.0	195.0
19-1/8" x 110-5/8"	104.3	104.3	110.0	195.0	110.0	195.0
19-1/8" x 122"	77.9	77.9	110.0	120.0	110.0	120.0
19-1/8" x 134-1/4"	46.8	46.8	110.0	120.0	110.0	120.0
19-1/8" x 146"	110.0	145.4	110.0	195.0	110.0	195.0
19-1/8" x 158-3/8"	98.5	98.5	110.0	195.0	110.0	120.0
19-1/8" x 170-5/8"	74.7	74.7	110.0	120.0	110.0	120.0
19-1/8" x 182"	60.2	60.2	110.0	120.0	110.0	120.0
19-1/8" x 194"	110.0	128.1	110.0	195.0	110.0	195.0
19-1/8" x 206-3/8"	88.8	88.8	110.0	120.0	110.0	120.0
19-1/8" x 218-5/8"	65.8	65.8	110.0	120.0	110.0	120.0
19-1/8" x 230"	101.3	101.3	110.0	195.0	110.0	120.0
19-1/8" x 242-3/8"	88.8	88.8	110.0	120.0	110.0	120.0

NOTE:  
LOAD/AREA LIMITS  
FOR +110.0, -120.0 PSF = 16.34 SQ. FT.  
+110.0, -195.0 PSF = 10.00 SQ. FT.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCAD5-DEC-219

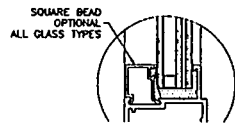
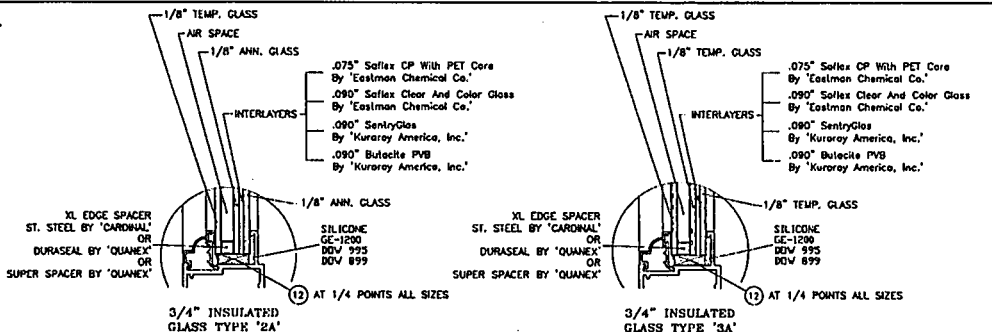
Eng: DAVID ANAND  
FLA. P.E. # 70582  
C.A. # 3538  
MAY 10 2015

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0512.21  
Revision Date: 05/21/2015  
By: *[Signature]*  
Miami/Dade Product Control

**AL-FAROOQ CORPORATION**  
12345 SW 1st AVE  
MIAMI, FLORIDA 33174  
TEL: (305) 262-8200 FAX: (305) 262-8978  
COMP-ANLY-W99-04C2

PROJECT: OUT WINDOW  
CGI WINDOWS & DOORS  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL: (305) 586-5656 FAX: (305) 586-5682

REVISIONS:  
DATE BY DESCRIPTION  
1 05/22/15 J.A. 15-0512.21  
2 06/03/15 J.A. 15-0512.21  
3 07/01/15 J.A. 15-0512.21  
4 07/01/15 J.A. 15-0512.21  
5 07/01/15 J.A. 15-0512.21  
drawing no. **W99-04**  
sheet 3 of 7



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
NO SHATTERS REQUIRED  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS.	GLASS TYPE '2A'	GLASS TYPE '3A'	
		EXT. (+)	INT. (-)
24"	110.0	195.0	110.0 195.0
28"	110.0	195.0	110.0 195.0
30"	110.0	184.3	110.0 195.0
36"	110.0	161.8	110.0 195.0
42"	110.0	138.8	110.0 195.0
48"	110.0	121.4	110.0 195.0
54"	107.9	107.9	110.0 195.0
60"	95.4	85.4	110.0 120.0
66"	73.4	73.4	110.0 120.0
72"	56.1	56.1	109.3 109.3
78"	43.8	43.8	85.4 85.4
84"	34.8	34.8	68.0 68.0
24"	110.0	194.3	110.0 195.0
28"	110.0	186.5	110.0 195.0
30"	110.0	155.4	110.0 195.0
36"	110.0	128.5	110.0 195.0
42"	110.0	111.0	110.0 195.0
48"	97.1	97.1	110.0 120.0
54"	86.3	86.3	110.0 120.0
60"	77.7	77.7	110.0 120.0
66"	60.8	60.8	110.0 118.2
72"	48.0	48.0	89.8 89.8
78"	-	-	-
84"	-	-	-
24"	110.0	161.8	110.0 195.0
28"	110.0	138.8	110.0 195.0
30"	110.0	129.5	110.0 195.0
36"	107.9	107.9	110.0 195.0
42"	92.5	92.5	110.0 120.0
48"	80.9	80.9	110.0 120.0
54"	71.9	71.9	110.0 120.0
60"	64.8	64.8	110.0 120.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
NO SHATTERS REQUIRED  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS.	GLASS TYPE '2A'		GLASS TYPE '3A'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	110.0	138.8	110.0	195.0
28"	110.0	118.9	110.0	195.0
30"	110.0	111.0	110.0	195.0
36"	92.5	82.5	110.0	120.0
42"	79.3	79.3	110.0	120.0
48"	69.4	69.4	110.0	120.0
54"	61.7	61.7	110.0	120.0
24"	110.0	121.4	110.0	195.0
28"	104.1	104.1	110.0	120.0
30"	87.1	87.1	110.0	120.0
36"	80.9	80.9	110.0	120.0
42"	89.4	89.4	110.0	120.0
48"	60.7	60.7	110.0	118.4
24"	107.8	107.8	110.0	195.0
28"	92.5	92.5	110.0	120.0
30"	86.3	86.3	110.0	120.0
36"	71.9	71.9	110.0	120.0
42"	81.7	81.7	110.0	120.0
24"	95.4	95.4	110.0	120.0
28"	83.3	83.3	110.0	120.0
30"	77.7	77.7	110.0	120.0
36"	64.8	64.8	110.0	120.0
24"	73.4	73.4	110.0	120.0
28"	64.2	64.2	110.0	120.0
30"	60.6	60.6	110.0	118.2
24"	58.1	58.1	109.3	109.3
28"	48.9	48.9	95.3	95.3
30"	46.0	46.0	89.8	89.8
24"	43.8	43.8	85.4	85.4
28"	38.1	38.1	74.3	74.3
24"	34.9	34.9	68.0	68.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS  
NO SHATTERS REQUIRED  
REFER TO SHEETS 5 THRU 7 FOR INSTALLATION DETAILS

WINDOW DIMS.	GLASS TYPE '2A'		GLASS TYPE '3A'	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
26"	110.0	195.0	110.0	195.0
38-3/8"	110.0	190.6	110.0	195.0
50-5/8"	110.0	104.5	110.0	195.0
63"	104.2	104.2	110.0	195.0
74-1/4"	83.0	83.0	110.0	120.0
26"	110.0	195.0	110.0	195.0
38-3/8"	110.0	137.5	110.0	195.0
50-5/8"	104.3	104.3	110.0	195.0
63"	77.9	77.9	110.0	120.0
74-1/4"	46.8	46.8	80.9	90.9
26"	110.0	145.4	110.0	195.0
38-3/8"	85.9	85.9	110.0	120.0
50-5/8"	74.7	74.7	110.0	120.0
63"	60.0	60.0	110.0	117.0
26"	110.0	128.1	110.0	195.0
38-3/8"	86.8	86.8	110.0	120.0
50-5/8"	65.8	65.8	110.0	120.0
63"	101.3	101.3	110.0	120.0
38-3/8"	88.8	88.8	110.0	120.0

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

NOTE:  
LOAD/AREA LIMITS  
FOR +110.0, -120.0 PSF = 16.34 SQ. FT.  
+110.0, -195.0 PSF = 10.00 SQ. FT.

Eng: JAMES SHAW  
CAL. # 70592  
MAY 6 4 2015

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0512-21  
Expiration Date Oct 31, 2018  
By: *Manuel J...*  
Miami Dade Product Control

**AL-FAROQ CORPORATION**  
ALUMINUM & PRODUCT DEVELOPMENT  
2200 S.W. 11th Ave.  
MIAMI, FLORIDA 33174  
TEL: (305) 244-8200 FAX: (305) 244-8200  
COMP: ANL W99-04C2

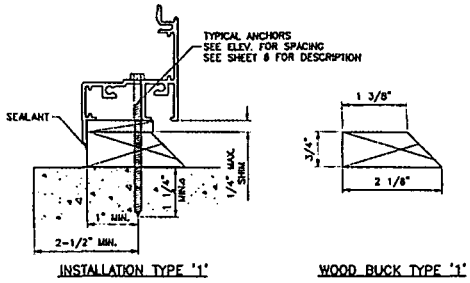
**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL: (305) 561-8690 FAX: (305) 561-8592

CONSTRUCTION:  WINDOW  PROJECT OUT WINDOW  
REV. DATE:  BY:  CONTROL:   
E 1542204  
F 012415  
G 072315  
H 072315  
I 041615  
J WINDOW & SPACE IN

drawing no. **W99-04**  
Sheet 4 of 7

**INSTALLATION CONDITIONS FLANGE FRAME (APPLIES TO ALL FOUR SIDES)**

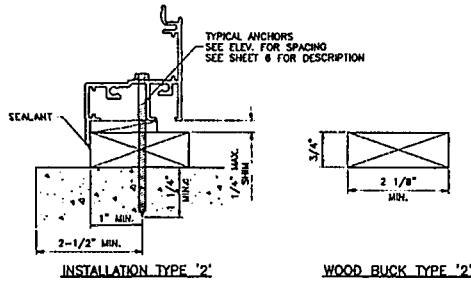
FOR ANCHOR PERFORMANCE VALUES SEE SHEET 6



INSTALLATION TYPE '1'

WOOD BUCK TYPE '1'  
MATERIAL: PRESSURE TREATED

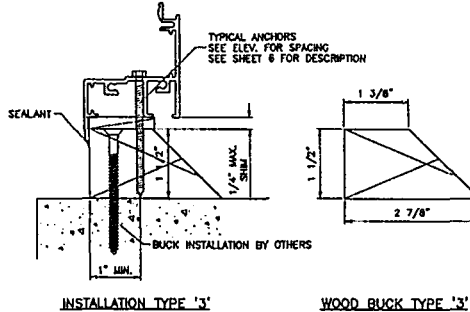
TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD



INSTALLATION TYPE '2'

WOOD BUCK TYPE '2'  
MATERIAL: PRESSURE TREATED

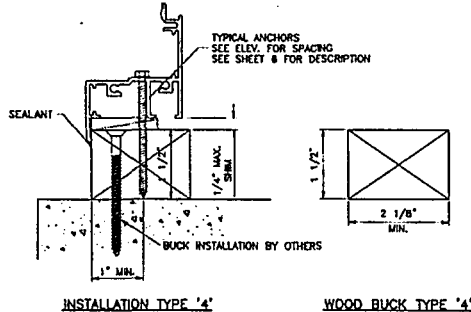
TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD



INSTALLATION TYPE '3'

WOOD BUCK TYPE '3'  
MATERIAL: PRESSURE TREATED

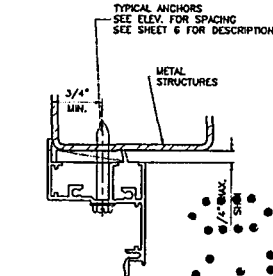
TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD



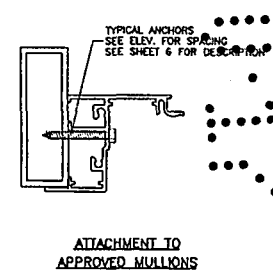
INSTALLATION TYPE '4'

WOOD BUCK TYPE '4'  
MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING WOOD

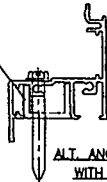


ATTACHMENT TO  
METAL STRUCTURES



ATTACHMENT TO  
APPROVED MULLIONS

ALUM CHANNEL  
3/4" X 1" X 3/4" X 1/8"  
2-1/2" LONG  
AT ANCHOR LOCATIONS



ALT. ANCHOR LOCATION  
WITH SHEAR CLIP

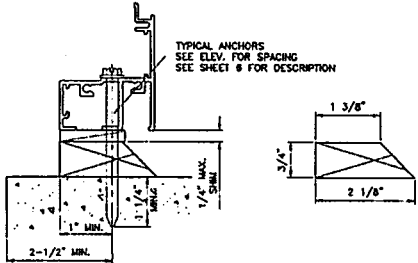
WOOD BUCKS NOT BY CGI CORP., MUST SUSTAIN  
LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER  
THEM TO THE BUILDING STRUCTURE.

Engr. JAVAD AHMAD  
CIVIL  
FLA. PE # 703992  
C.A.N. 9536  
MAY 11 2015

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0512.21  
Registration Date OCT 31, 2015  
By: *Mamuk Jorg*  
Miami Dade Product Control

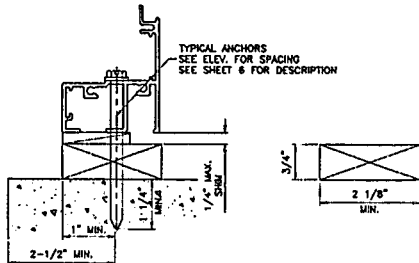
<b>af c</b>	
<b>AL-FAROOQ CORPORATION</b> ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL: (305) 264-8300 FAX: (305) 264-8978 COMP-ANL\W99-GC01	
SERIES-238 ALUM PROJECT OUT WINDOW <b>CGI WINDOWS &amp; DOORS</b> 10100 N.W. 25TH STREET MIAMI, FL 33172 TEL: (305) 593-5000 FAX: (305) 593-6692	
PROJ. CODE:	DESCRIPTION:
1	ALUM CHANNEL
2	WOOD BUCK
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405	ALUM CHANNEL

**INSTALLATION CONDITIONS EQUAL LEG FRAME (APPLIES TO ALL FOUR SIDES)**  
 FOR ANCHOR PERFORMANCE VALUES SEE SHEET 6



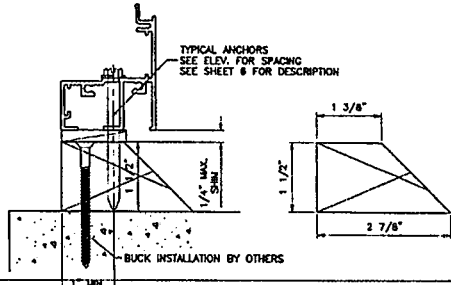
**INSTALLATION TYPE '1'**      **WOOD BUCK TYPE '1'**  
 MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL  
 ON ALL FOUR SIDES/USING WOOD



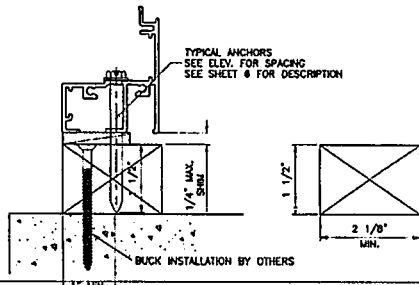
**INSTALLATION TYPE '2'**      **WOOD BUCK TYPE '2'**  
 MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL  
 ON ALL FOUR SIDES/USING WOOD



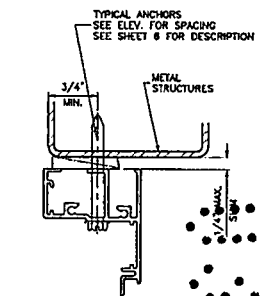
**INSTALLATION TYPE '3'**      **WOOD BUCK TYPE '3'**  
 MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL  
 ON ALL FOUR SIDES/USING WOOD

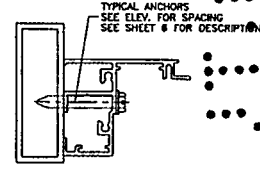


**INSTALLATION TYPE '4'**      **WOOD BUCK TYPE '4'**  
 MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL  
 ON ALL FOUR SIDES/USING WOOD



ATTACHMENT TO  
 METAL STRUCTURES



ATTACHMENT TO  
 APPROVED MULLIONS

**a f c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 12335 S.W. 87 AVE.  
 MIAMI, FLORIDA 33174  
 TEL: (305) 244-8100    FAX: (305) 243-4978  
 COMP - ANL W99-0100

SERIES-238 ALUM PROJECT OUT WINDOW  
**CGI WINDOWS & DOORS**  
 10100 N.W. 25TH STREET  
 MIAMI, FL. 33172  
 TEL: (305) 593-5990    FAX: (305) 593-6569

REVISIONS	BY	DESCRIPTION
1	CGI	ISSUE FOR PRODUCTION
2	CGI	NO CHANGE THIS SHEET
3	CGI	NO CHANGE THIS SHEET
4	CGI	NO CHANGE THIS SHEET
5	CGI	NO CHANGE THIS SHEET

WOOD BUCKS NOT BY CGI CORP., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr. JAMES AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3058

PRODUCT REVISED  
 as complying with the Florida  
 Building Code 15-0512. 21  
 Acceptance No. 15-0512. 21  
 Expiration Date 12/31/2018  
 By: *[Signature]*  
 Miami/Dade Product Control

date: 01-21-99  
 scale: 1/2" = 1"  
 sheet: W99-04  
 drawing no. W99-04  
 sheet 5 of 7

PERFORMANCE VALUES OF INSTALLATION ANCHORS REFER TO SHEET 8 FOR DETAILS							
WINDOW DIMS. WIDTH HEIGHT	ANCHORS TYPE 'A' & 'C'			ANCHORS TYPE 'B'			
	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	
24"	24"	195.0	195.0	129.0	193.5	195.0	195.0
	28"	195.0	195.0	110.8	165.8	195.0	195.0
	30"	195.0	195.0	154.8	154.8	195.0	195.0
	36"	195.0	195.0	129.0	172.0	195.0	195.0
	42"	195.0	195.0	110.8	147.4	195.0	195.0
	48"	195.0	195.0	129.0	181.3	195.0	195.0
	54"	195.0	195.0	114.7	172.0	195.0	195.0
	60"	195.0	195.0	103.2	154.8	195.0	195.0
	66"	195.0	195.0	117.3	184.2	195.0	195.0
	72"	195.0	195.0	107.5	150.5	195.0	195.0
30"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
	42"	195.0	195.0	103.2	137.6	195.0	195.0
	48"	195.0	195.0	88.5	117.9	195.0	195.0
	54"	195.0	195.0	103.2	129.0	195.0	195.0
	60"	195.0	195.0	91.7	137.6	195.0	195.0
	66"	195.0	195.0	82.6	123.8	195.0	195.0
	72"	195.0	195.0	83.8	131.3	195.0	195.0
36"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
	42"	195.0	195.0	73.7	86.3	195.0	195.0
	48"	195.0	195.0	88.0	107.5	195.0	195.0
	54"	195.0	195.0	76.4	114.7	195.0	195.0
	60"	195.0	195.0	88.8	103.2	195.0	195.0
	66"	195.0	195.0	110.8	147.4	195.0	195.0
	72"	195.0	195.0	94.8	128.4	195.0	195.0
42"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
	42"	195.0	195.0	103.2	137.6	195.0	195.0
	48"	195.0	195.0	88.5	117.9	195.0	195.0
	54"	195.0	195.0	103.2	129.0	195.0	195.0
	60"	195.0	195.0	91.7	137.6	195.0	195.0
	66"	195.0	195.0	82.6	123.8	195.0	195.0
	72"	195.0	195.0	83.8	131.3	195.0	195.0
48"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
	42"	195.0	195.0	73.7	86.3	195.0	195.0
	48"	195.0	195.0	88.0	107.5	195.0	195.0
	54"	195.0	195.0	76.4	114.7	195.0	195.0
	60"	195.0	195.0	88.8	103.2	195.0	195.0
	66"	195.0	195.0	110.8	147.4	195.0	195.0
	72"	195.0	195.0	94.8	128.4	195.0	195.0
54"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
	42"	195.0	195.0	103.2	137.6	195.0	195.0
	48"	195.0	195.0	88.5	117.9	195.0	195.0
	54"	195.0	195.0	103.2	129.0	195.0	195.0
	60"	195.0	195.0	91.7	137.6	195.0	195.0
	66"	195.0	195.0	82.6	123.8	195.0	195.0
	72"	195.0	195.0	83.8	131.3	195.0	195.0
60"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
	42"	195.0	195.0	73.7	86.3	195.0	195.0
	48"	195.0	195.0	88.0	107.5	195.0	195.0
	54"	195.0	195.0	76.4	114.7	195.0	195.0
	60"	195.0	195.0	88.8	103.2	195.0	195.0
	66"	195.0	195.0	110.8	147.4	195.0	195.0
	72"	195.0	195.0	94.8	128.4	195.0	195.0
66"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
	42"	195.0	195.0	103.2	137.6	195.0	195.0
	48"	195.0	195.0	88.5	117.9	195.0	195.0
	54"	195.0	195.0	103.2	129.0	195.0	195.0
	60"	195.0	195.0	91.7	137.6	195.0	195.0
	66"	195.0	195.0	82.6	123.8	195.0	195.0
	72"	195.0	195.0	83.8	131.3	195.0	195.0
72"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
	42"	195.0	195.0	73.7	86.3	195.0	195.0
	48"	195.0	195.0	88.0	107.5	195.0	195.0
	54"	195.0	195.0	76.4	114.7	195.0	195.0
	60"	195.0	195.0	88.8	103.2	195.0	195.0
	66"	195.0	195.0	110.8	147.4	195.0	195.0
	72"	195.0	195.0	94.8	128.4	195.0	195.0

PERFORMANCE VALUES OF INSTALLATION ANCHORS REFER TO SHEET 8 FOR DETAILS							
WINDOW DIMS. WIDTH HEIGHT	ANCHORS TYPE 'A' & 'C'			ANCHORS TYPE 'B'			
	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	W/O SHEAR CLIP AT 17" O.C. AT 18" O.C.	
24"	24"	195.0	195.0	129.0	193.5	195.0	195.0
	28"	195.0	195.0	110.8	165.8	195.0	195.0
	30"	195.0	195.0	154.8	154.8	195.0	195.0
	36"	195.0	195.0	129.0	172.0	195.0	195.0
30"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
36"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
42"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
48"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
54"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
60"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0
66"	24"	195.0	195.0	110.8	165.8	195.0	195.0
	28"	195.0	195.0	154.8	154.8	195.0	195.0
	30"	195.0	195.0	132.7	132.7	195.0	195.0
	36"	195.0	195.0	123.8	123.8	195.0	195.0
72"	24"	195.0	195.0	129.0	172.0	195.0	195.0
	28"	195.0	195.0	110.8	147.4	195.0	195.0
	30"	195.0	195.0	103.2	137.6	195.0	195.0
	36"	195.0	195.0	86.0	114.7	195.0	195.0

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

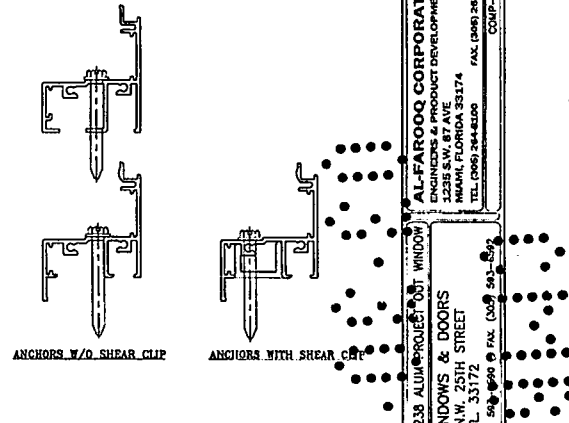
**TYPE 'A' -** 1/4" DIA. KWIK-CON W BY "HILL" (Fu=163 KSI, Fy=157 KSI)  
 1/4" DIA. ULTRACON BY "ELCO" (Fu=177 KSI, Fy=155 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD  
 THRU 1BY BUCKS INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**TYPE 'B' -** 1/4" DIA. KWIK-CON W BY "HILL" (Fu=163 KSI, Fy=157 KSI)  
 1/4" DIA. ULTRACON BY "ELCO" (Fu=177 KSI, Fy=155 KSI)  
 DIRECTLY INTO CONCRETE  
 1-3/4" MIN. EMBED INTO CONCRETE

**TYPE 'C' -** #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")  
 INTO METAL STRUCTURES  
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)  
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.  
 CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.  
 C-90 HOLLOW/FILLED BLOCK AT JAMBS Fm = 2000 PSI MIN.



Engr. JAVIER ARIAS  
 CH. E.  
 FLA. PC # 70592  
 C.A.N. 0338  
 MAY 14 2015

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 15-0512.21  
 Expiration Date 07/31/2018  
 By Manuel Jara  
 Miami Dade Product Control

**AL-FAROQ CORPORATION**  
 PRODUCT DEVELOPMENT  
 12335 S.W. 67 AVE  
 MIAMI, FLORIDA 33174  
 TEL: (305) 284-8200 FAX: (305) 282-8978  
 COMP-AL W99-0400

SEBS-238 ALUM. PROJECT OUT WINDOW  
 CGI WINDOWS & DOORS  
 10100 N.W. 25TH STREET  
 MIAMI, FL 33172  
 TEL: (305) 561-9900 FAX: (305) 561-8522

DATE: 01-21-15  
 E: 15-22204  
 F: 01/21/15  
 G: 01/21/15  
 H: 01/21/15  
 I: 01/21/15  
 J: 01/21/15  
 K: 01/21/15  
 L: 01/21/15  
 M: 01/21/15  
 N: 01/21/15  
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 P: 01/21/15  
 Q: 01/21/15  
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 AA: 01/21/15  
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 AE: 01/21/15  
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 AJ: 01/21/15  
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 BQ: 01/21/15  
 BR: 01/21/15  
 BS: 01/21/15  
 BT: 01/21/15  
 BU: 01/21/15  
 BV: 01/21/15  
 BW: 01/21/15  
 BX: 01/21/15  
 BY: 01/21/15  
 BZ: 01/21/15  
 CA: 01/21/15  
 CB: 01/21/15  
 CC: 01/21/15  
 CD: 01/21/15  
 CE: 01/21/15  
 CF: 01/21/15  
 CG: 01/21/15  
 CH: 01/21/15  
 CI: 01/21/15  
 CJ: 01/21/15  
 CK: 01/21/15  
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 CM: 01/21/15  
 CN: 01/21/

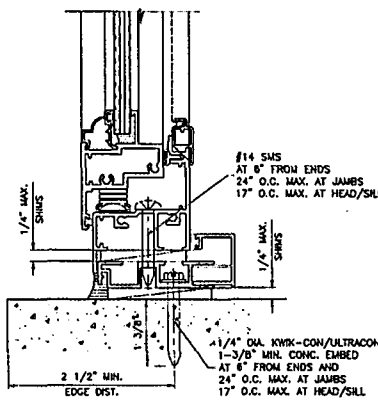
PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS				
WINDOW DIMS.	HEIGHT	1/4" ANCHORS INTO MASONRY	1/4" ANCHORS INTO WOOD	
		EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	
24"	24"	195.0	195.0	
	28"	195.0	195.0	
	30"	195.0	195.0	
	36"	195.0	195.0	
	42"	195.0	169.1	
	48"	195.0	148.0	
	54"	185.0	131.6	
	60"	177.6	118.4	
	66"	161.6	107.6	
	72"	148.0	98.7	
	78"	136.6	91.1	
	84"	128.9	84.6	
28"	24"	195.0	195.0	
	28"	195.0	195.0	
	30"	195.0	195.0	
	36"	195.0	195.0	
	42"	195.0	169.1	
	48"	190.3	128.9	
	54"	189.1	112.8	
	60"	152.2	101.5	
	66"	138.4	92.3	
	72"	128.9	84.6	
	78"	117.1	78.1	
	84"	108.7	72.5	
30"	24"	195.0	195.0	
	28"	195.0	195.0	
	30"	195.0	199.4	
	36"	195.0	157.9	
	42"	195.0	135.3	
	48"	195.0	118.4	
	54"	185.0	105.2	
	60"	177.6	94.7	
	66"	161.6	86.1	
	72"	148.0	78.9	
	78"	136.6	72.9	
	36"	24"	195.0	195.0
28"		195.0	169.1	
30"		195.0	157.9	
36"		195.0	131.6	
42"		195.0	112.8	
48"		185.0	98.7	
54"		164.4	87.7	
60"		148.0	78.9	
42"		24"	190.3	169.1
		28"	183.1	145.0
		30"	152.2	135.3
		36"	128.9	112.8
	42"	108.7	96.7	
	48"	95.1	84.6	
	54"	84.6	72.5	

PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS						
WINDOW DIMS.	HEIGHT	1/4" ANCHORS INTO MASONRY	1/4" ANCHORS INTO WOOD			
		EXT.(+)/INT.(-)	EXT.(+)/INT.(-)			
48"	24"	195.0	148.0			
	28"	190.3	128.9			
	30"	177.6	118.4			
	36"	148.0	98.7			
	42"	128.9	84.6			
	48"	111.0	74.0			
	54"	24"	195.0	131.6		
		28"	189.1	112.8		
		30"	187.9	105.2		
		36"	131.6	87.7		
		42"	112.8	75.2		
		60"	24"	177.6	118.4	
28"			152.2	101.5		
30"			142.1	84.7		
36"			118.4	78.9		
66"			24"	195.0	134.5	
			28"	173.2	115.3	
			30"	161.5	107.6	
	36"		185.0	123.3		
	72"		28"	158.6	105.7	
			30"	148.0	98.7	
			78"	24"	170.8	113.8
				28"	146.4	97.6
		30"		136.6	91.1	
		84"		24"	190.3	128.9
				28"	183.1	108.7
				28"	195.0	195.0
36-3/8"				195.0	195.0	
30-5/8"				195.0	176.1	
63"				195.0	141.5	
74-1/4"				180.1	120.1	
28-1/2"	28"			195.0	195.0	
	38-3/8"			195.0	187.7	
	50-5/8"		180.8	127.1		
	63"		153.2	102.1		
	74-1/4"		130.0	86.7		
	37"	28"	195.0	177.2		
		38-3/8"	136.1	120.1		
		50-5/8"	102.4	91.0		
		63"	82.3	73.1		
		53-1/8"	28"	185.2	123.4	
			38-3/8"	125.4	83.8	

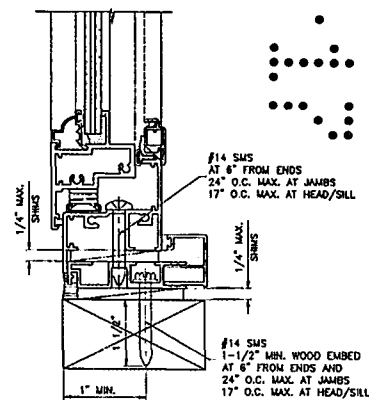
### ALUMINUM BUCK FRAMING DETAILS

REFER TO SHEETS 3 THRU 6 FOR WINDOW CAPACITIES  
USE LOWER APPLICABLE VALUES.

NOTE:  
ALUM BUCK ANCHORS TO BE INTO  
CONCRETE AT HEAD & SILL  
MAY BE INTO FILLED CMU AT JAMBS.

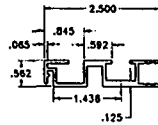


INSTALLATION TYPE '5'  
INTO MASONRY

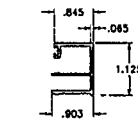


INSTALLATION TYPE '6'  
2BY WOOD BUCK OR WOOD STRUCTURES

TYPICAL INSTALLATION DETAIL  
ON ALL FOUR SIDES/USING ALUMINUM BUCK SYSTEM



ALUMINUM BUCK  
6063-16



OPTIONAL COVER  
6063-16

Engr. JAVAD AHMAD  
CIVIL  
FLA. P.E. # 70592  
C.A.H. 3038  
MAY 04-2015

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 15-0512.21  
Expiration Date OCT 31 2018  
By *[Signature]*  
Miami Dade Product Control

**afc**

**AL-FAROOG CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
3235 S.W. 87 AVE.  
MIAMI, FLORIDA 33174  
TEL: (305) 244-1000 FAX: (305) 244-1001  
WWW.ALFAROOG.COM

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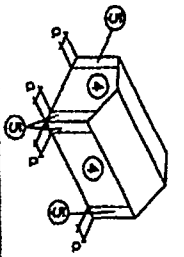
**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL 33172  
TEL: (305) 583-4592 FAX: (305) 583-4592

---

REVISIONS:  
NO. DATE BY DESCRIPTION  
1 01/22/08 BY JAVAD AHMAD  
2 02/11/14 BY JAVAD AHMAD  
3 02/11/14 BY JAVAD AHMAD  
4 02/11/14 BY JAVAD AHMAD  
5 02/11/14 BY JAVAD AHMAD

---

DATE: 01-21-15  
SCALE: 1/2" = 1"  
BY: JAVAD AHMAD  
CHK: [Signature]  
drawing no. **W99-04**  
sheet 7 of 7



$$P = q_h \cdot (C_{cp} - C_{cp,i})$$

V (mph) 115  
 Risk Category II  
 Exposure B  
 Kd 0.85  
 Kz 1  
 Cpe 1  
 Cpe1 0.18  
 Gz 14.0  
 Gz1 14.0  
 Gz2 14.0  
 Gz3 14.0  
 Gz4 14.0  
 Gz5 14.0  
 Gz6 14.0  
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 Gz29 14.0  
 Gz30 14.0

Specialty Engineering Consultants, Inc.  
 1588 SW 20 Avenue, Suite 400  
 Boynton Beach, FL 33426  
 FL CA # 008317

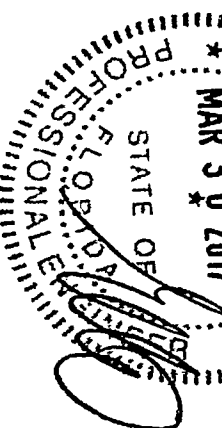


Wind Velocity in South Florida	Dale	Broward	Palm Beach	Low risk to humans (Urban, Suburb)
Risk Cat 1	165	156	154	
Risk Cat 2	175	170	170	Single Family Residential
Risk Cat 3/4	184	180	180	Essential Facilities

- Windward and Leeward of Use**
1. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  2. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  3. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  4. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  5. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  6. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  7. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  8. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  9. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  10. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  11. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".
  12. Charts provide wind pressures based on the mean roof height. Wind shall not exceed 60'-0".

Mean Roof Height	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5	Zone 4	Zone 5
10.0 ft	15.0 ft	20.0 ft	25.0 ft	30.0 ft	35.0 ft	40.0 ft	45.0 ft	50.0 ft	55.0 ft	60.0 ft	65.0 ft	70.0 ft	75.0 ft	80.0 ft	85.0 ft	90.0 ft	95.0 ft	100.0 ft	105.0 ft	110.0 ft
19	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
20	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
21	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
22	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
23	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
24	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
25	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
26	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
27	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
28	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
29	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5
30	48.6	47.1	47.1	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5

20110217B



Florida Solar & Air, Inc.  
 11912 Miramar Pkwy. • Miramar, FL 33025  
 Ph: (877) 310-0310 • Fax: (877) 515-0220  
 www.solarandair.com



Job Number: \_\_\_\_\_  
 CBC058952, CAC1816475  
 EC13004514 & CGG131151017

Name: María Elena Gil Phone Res: (305) 538-7740  
 Address: 409 E San Marino Dr City: Miami Beach Mobile: 283-2627  
 ST: FL Zip: 33139

This contract is made and entered into this 14 day of March, 2017, by and between Florida Solar & Air, Inc., a Florida corporation ("FSA"), and owner(s) named above of the residence located at the address listed above ("Buyer" or "Owner").

**The Work:** FSA agrees to perform the work described as follows:

- 1) Remove existing units to be replaced (NOTE: Removed items are likely to be damaged.)
- 2) Prepare openings as necessary to receive replacement units.
- 3) **WINDOWS:**  CWS Vinyl Insulated  Simonton Vinyl Insulated  Other \_\_\_\_\_

Directions are viewed from the inside. On sliding glass doors active and fixed panels are identified. On casements and single French doors, the hinge is identified as either right hinge or left hinge. On double French doors the more active door is identified.

- CGI  TM  ETI  PGT Aluminum Insulated  CGI  TM  ETI  PGT Aluminum Non-Insulated
- 4) **DOORS:** Install  TM  CGI  PGT Aluminum Insulated  TM  CGI  PGT Aluminum Non-Insulated  Other \_\_\_\_\_

Impact: (  Non-Impact ( ) ) Color: White: \_\_\_\_\_ Tan: \_\_\_\_\_ Bronze: (  ) Grey: \_\_\_\_\_ Mill Finish: \_\_\_\_\_ Other: \_\_\_\_\_

Grids	Double Hung	Single Hung	2-LR	Casement	Picture Window	Other
Yes ( ) No ( ) Standard _____ Custom _____ <input type="checkbox"/>	Qty _____  <input type="checkbox"/> ACTIVE <input type="checkbox"/> ACTIVE	Qty _____  <input type="checkbox"/> FIXED <input type="checkbox"/> ACTIVE	Qty _____  FA AF ____	Qty <u>12</u>  FA AF ____	Qty _____  FA AF ____	Qty _____

Sliding Glass Door						Single French Doors	Double French Doors	Geometric
AA	AF	FA	RAAF	AAF	FAA	RH ( ) LH ( )	RH ( ) LH ( )	Qty _____
Qty _____	Qty _____	Qty _____	Qty _____	Qty _____	Qty _____	Qty _____	Qty _____	Qty _____

Glass: Bronze INITIAL HERE [Signature]

- 5) Work NOT to be replaced: the rest of house INITIAL HERE \_\_\_\_\_
- 6) If applicable, removing  shutter panels, and/or \_\_\_\_\_ security bars. INITIAL HERE \_\_\_\_\_
- 7) Special Instructions: garage, front 1st floor + front 2nd floor doors shutter track. INITIAL HERE \_\_\_\_\_
- 8) Cleanup job debris and provide necessary permits and insurance. Should FSA be unable to obtain proper permits (for whatever reason) prior to commencement of any work, FSA shall refund any previous payment and this transaction shall be automatically cancelled.
- 9) Additional Work: (No finish work other than normal installation is to be done unless noted here) storage driveway permit, engineering, window sill replacements included as needed.

**Schedule:** Contractor shall use best efforts to commence the work within 60-90 days after execution of the Contract (the "Commencement Date") and shall endeavor to complete all Work hereunder within 5 days after the Commencement Date. Installation dates cannot be guaranteed as Product(s) availability may vary.

**Contract Price:** The TOTAL PRICE for all Labor and Materials is \$ 21,000.00  
 Down Payment (30% down) \$ 6,300.00  
 Balance Payable \$ 14,700.00

Contract Price \$ 21,000  
 Sales Tax ( % ) \$ 0  
 Total Contract Price \$ 21,000

Customer understands final payment due upon completion.

INITIAL HERE [Signature]

**Financing:** Circle one: [YES] or [NO] Owner elects to apply for financing of the above balance payable. If yes is circled, see financing agreement and related document.

**Receipt of Final Payment:** After receipt of final payment, 1) the inspection will be coordinated; 2) FSA will send Buyer the Manufacturer's Warranty; 3) FSA will provide Owner a Final Waiver and Release Lien and Contractor's Final Affidavit to Owner, substantially similar to the forms in Chapter 713, Florida Statutes (2005).

**BUYER'S RIGHT TO CANCEL:** This is a home solicitation sale, and if you do not want the goods or services, you may cancel this agreement by providing written notice to the seller in person, by telegram, or by mail. This notice must indicate that you do not want the goods or services and must be delivered or postmarked before midnight of the third business day after you sign this agreement. If you cancel this agreement, the seller may not keep all or part of any cash down payment. See attached notice of cancellation for an explanation of this right.

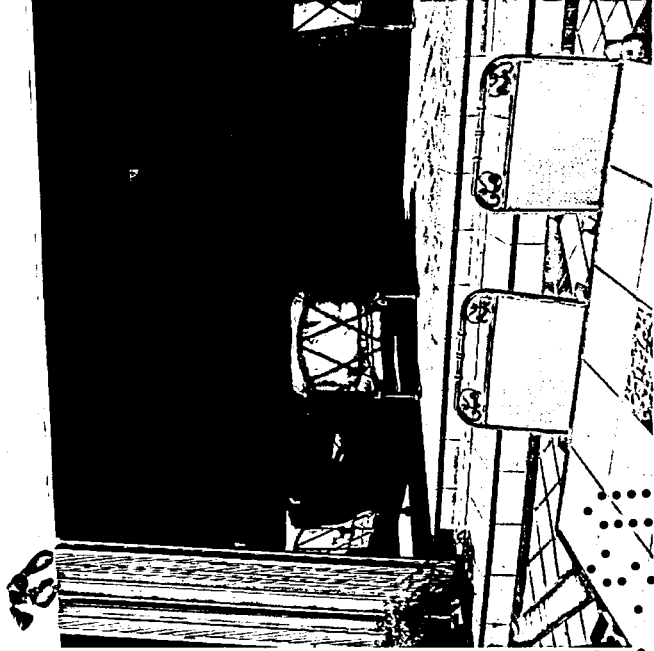
IN WITNESS WHEREOF, the Parties hereto have executed this contract, under seal, as of the day and year first above written.

Buyer/Owner: María Elena Gil  
 (Signature of Owner)  
[Signature]  
 (Signature of Owner)

FSA  
 By: Terrí Parera  
 (Name & Title)  
3/14/17  
 (Date)

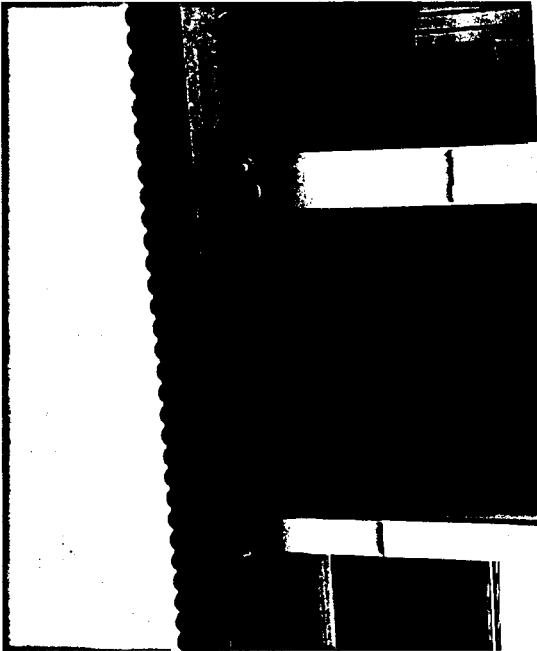
**Home Owners Association**  
 YES ( ) NO (  )  
 Name: \_\_\_\_\_ Phone #: \_\_\_\_\_  
 Building Name: \_\_\_\_\_

BR1701102



2025

2025

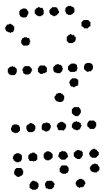
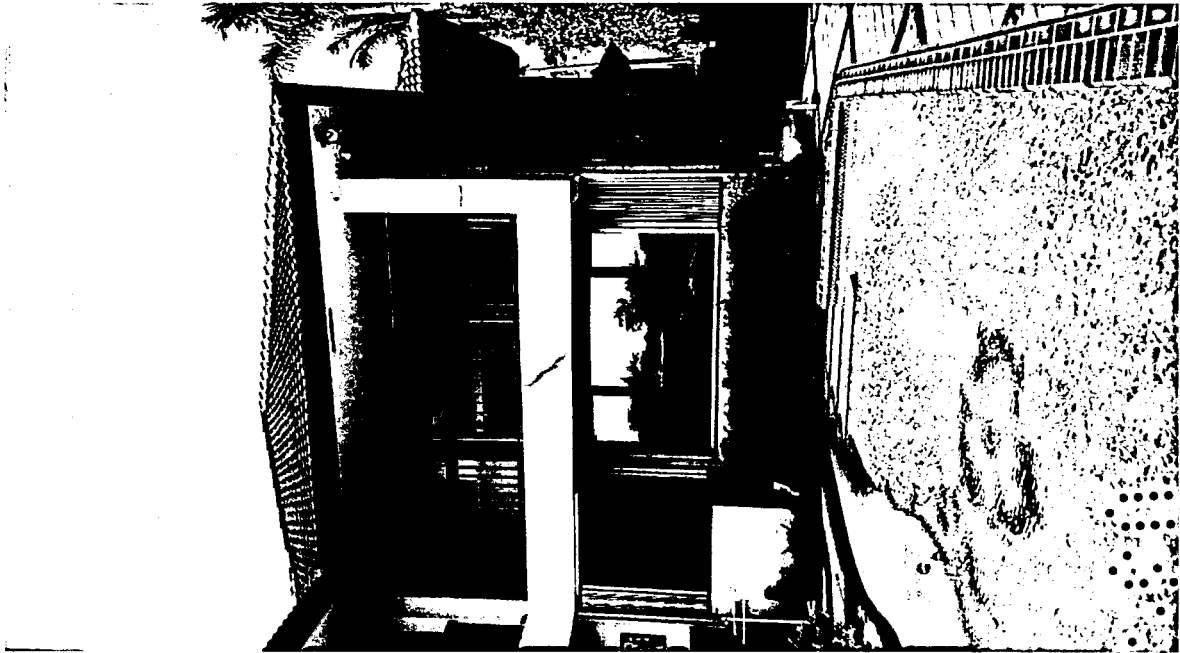


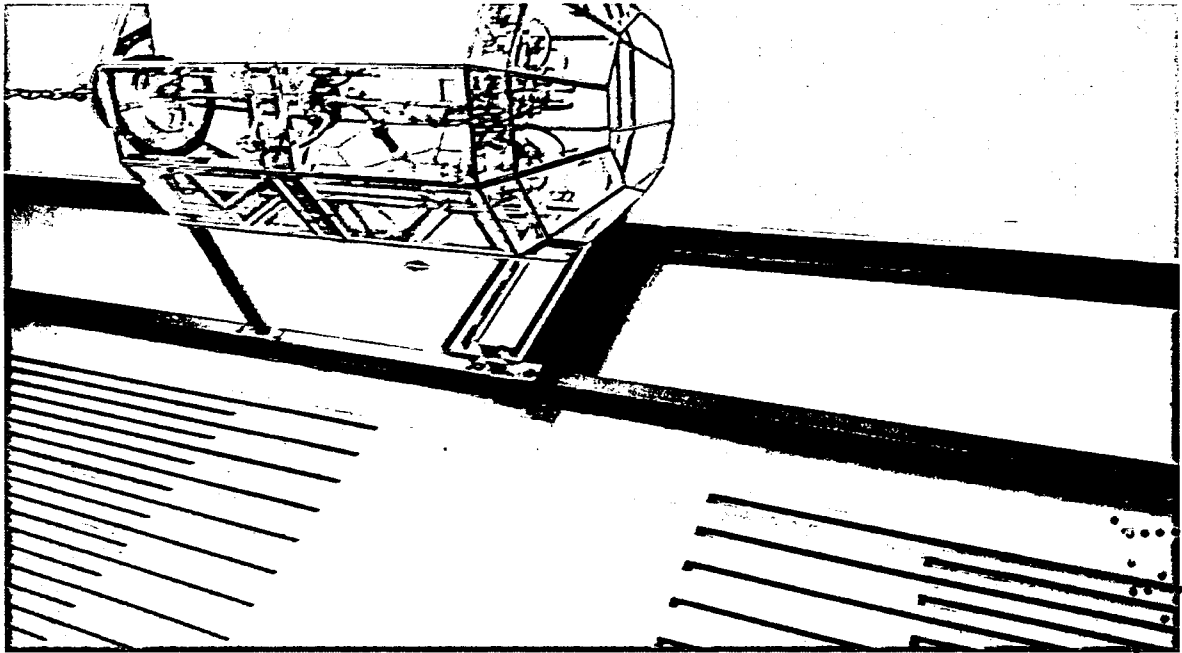


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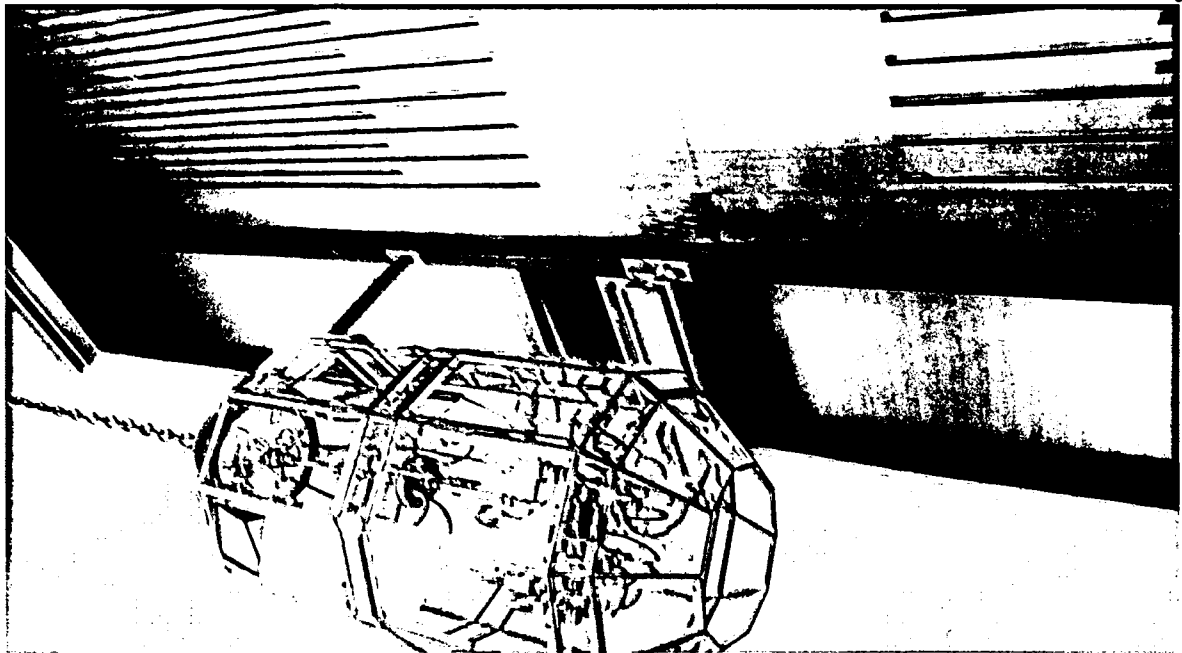
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22



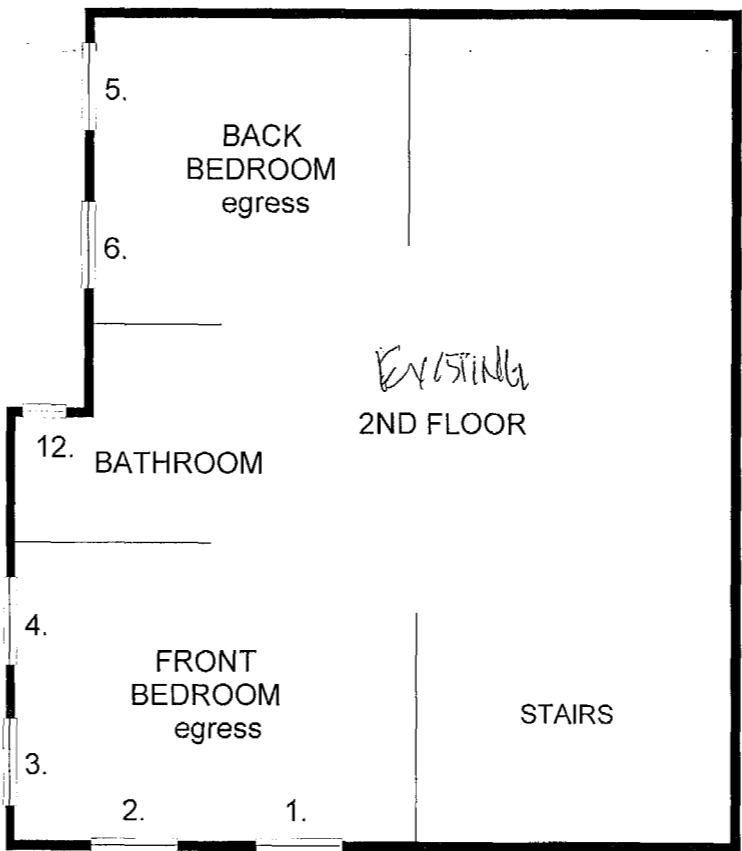
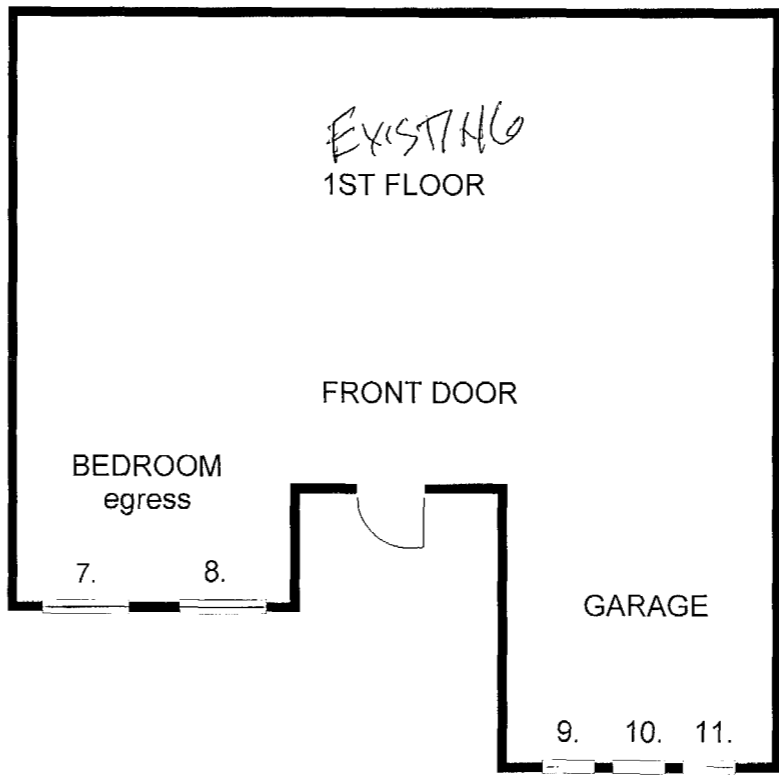


018  
03017

BR1701102

JOB DESCRIPTION:  
WINDOW REPLACEMENT  
12 OPENINGS

1. Project Out Window 36-7/8" x 25" 110/145.4 NOA #15-0512.21	12. Project Out Window 36-7/8" x 25" 110/145.4 NOA #15-0512.21
3. Casement Window 36-3/4" x 50" 74.7/74.7 NOA #15-0512.19	4. Casement Window 36-3/4" x 50" 74.7/74.7 NOA #15-0512.19
5. Casement Window 37" x 50-1/4" 74.7/74.7 NOA #15-0512.19	6. Casement Window 37" x 50-1/4" 74.7/74.7 NOA #15-0512.19
7. Casement Window 37" x 72-1/2" 59.8/59.8 NOA #15-0512.19	8. Casement Window 36-3/4" x 72-1/2" 59.8/59.8 NOA #15-0512.19
9. Casement Window 37" x 72-3/4" 59.8/59.8 NOA #15-0512.19	10. Casement Window 36-3/4" x 72-3/4" 59.8/59.8 NOA #15-0512.19
11. Casement Window 36-3/4" x 72-3/4" 59.8/59.8 NOA #15-0512.19	12. Project Out Window 36-1/2" x 18-7/8" 110/145.4 NOA #15-0512.21



MARIA GIL  
409 E SAN MARINO DR  
MIAMI BEACH, FL 33139

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

BUILDING: \_\_\_\_\_  
 ZONING: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 FIRE PREVENTION: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 OTHER WORKS: \_\_\_\_\_

*Handwritten signatures and dates are present on the form.*

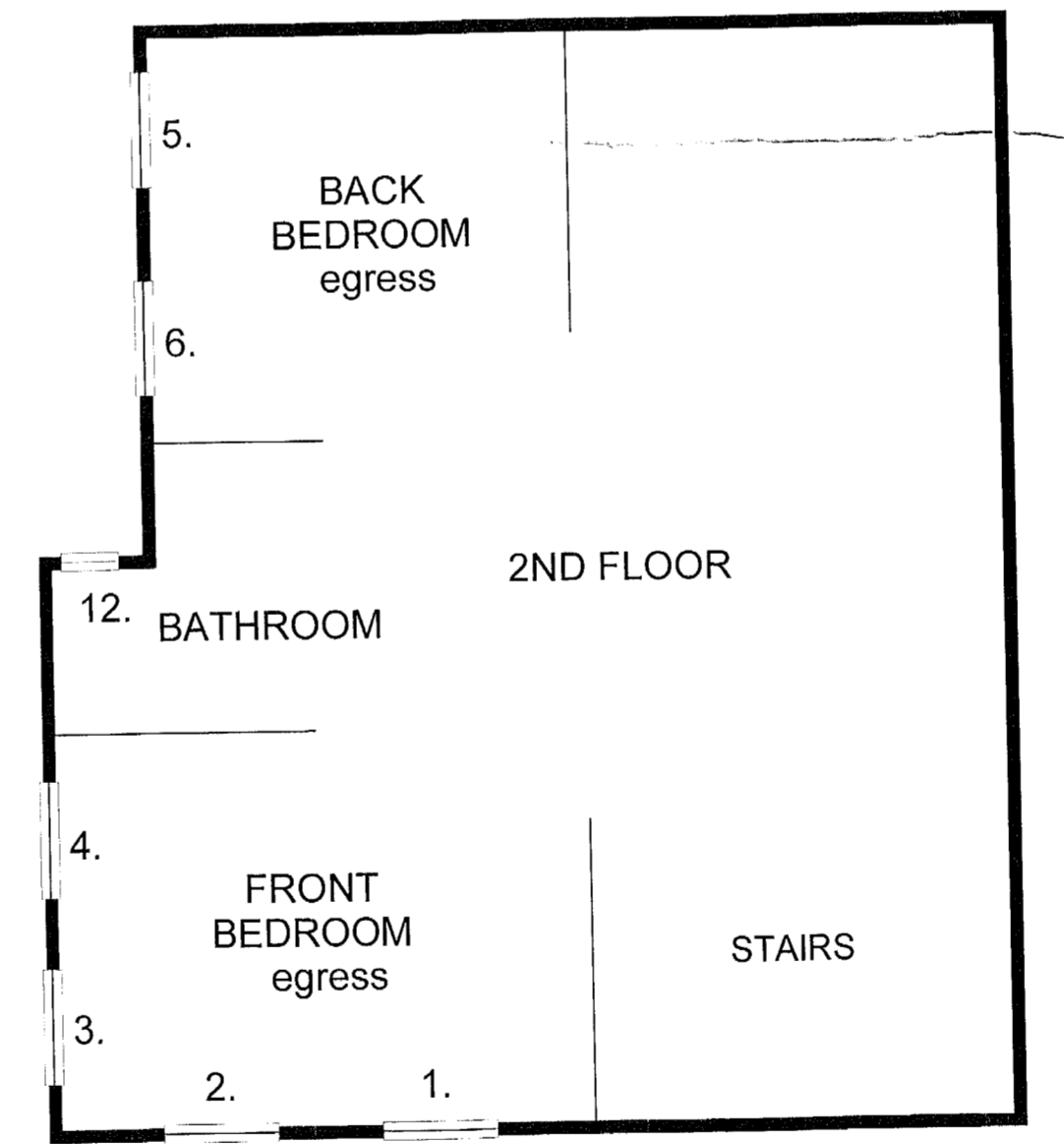
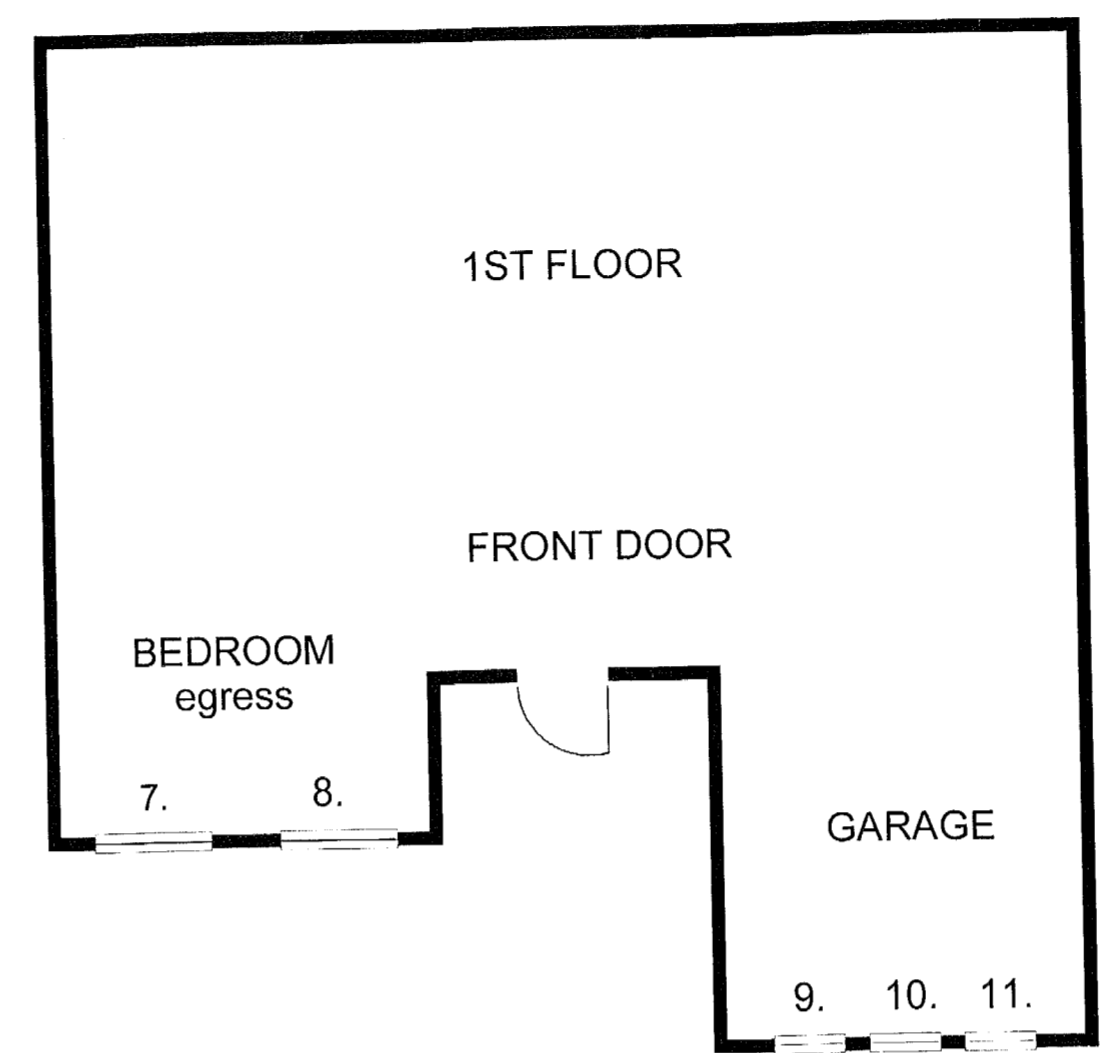
BR1701102  
40950m mmmms-c.

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BR 1701102  
 148  
 15/11/17

JOB DESCRIPTION:  
 WINDOW REPLACEMENT  
 12 OPENINGS  
 No longer replacing openings  
 7,8,11

- |  |   |
|--|---|
| 1. Project Out Window<br>36-7/8" x 25"<br>110/145.4<br>NOA #15-0512.21   | 1. Project Out Window<br>36-7/8" x 25"<br>110/145.4<br>NOA #15-0512.21      |
| 3. Casement Window<br>36-3/4" x 50"<br>74.7/74.7<br>NOA #15-0512.19      | 4. Casement Window<br>36-3/4" x 50"<br>74.7/74.7<br>NOA #15-0512.19         |
| 5. Casement Window<br>37" x 50-1/4"<br>74.7/74.7<br>NOA #15-0512.19      | 6. Casement Window<br>37" x 50-1/4"<br>74.7/74.7<br>NOA #15-0512.19         |
| 7. Casement Window<br>37" x 72-1/2"<br>59.8/59.8<br>NOA #15-0512.19      | 8. Casement Window<br>36-3/4" x 72-1/2"<br>59.8/59.8<br>NOA #15-0512.19     |
| 9. Casement Window<br>37" x 72-3/4"<br>59.8/59.8<br>NOA #15-0512.19      | 10. Casement Window<br>36-3/4" x 72-3/4"<br>59.8/59.8<br>NOA #15-0512.19    |
| 11. Casement Window<br>36-3/4" x 72-3/4"<br>59.8/59.8<br>NOA #15-0512.19 | 12. Project Out Window<br>36-1/2" x 18-7/8"<br>110/145.4<br>NOA #15-0512.21 |



MARIA GIL  
 409 E SAN MARINO DR  
 MIAMI BEACH, FL 33139

05-05-17

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

BUILDING: 5/5/17 JB 5-5-17

PLUMBING: \_\_\_\_\_

ELECTRICAL: \_\_\_\_\_

MECHANICAL: \_\_\_\_\_

FIRE PREVENTION: \_\_\_\_\_

INSULATION: \_\_\_\_\_

PAINT WORKS: \_\_\_\_\_

LANDSCAPE: \_\_\_\_\_

POOL: \_\_\_\_\_

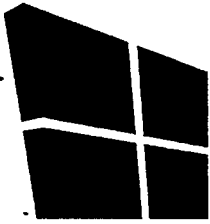
OTHER: \_\_\_\_\_

The City of Miami Beach assumes no responsibility for the results of any plans which are approved, submitted, or issued by the City of Miami Beach, and the applicant shall be responsible for compliance with all applicable Local Laws, Rules, and Regulations.

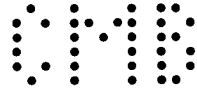
BR170-1102-1A  
409 San Marino Dr

BR170-1102-1A

BR170-1102-1A



**AL-FAROOQ CORPORATION**  
CONSULTING ENGINEERS & PRODUCT DEVELOPMENT



MV1703435  
BH1701102  
409 E San Marino Dh

Client: Florida Solar and Air, Inc

Date: Jul 27, 2017

Project Name: Gil Residence

Engineered By: CG

Project Desc.: 409 E SAN MARINO DR

Checked By: CM

MIAMI BEACH, FL 33139

AFC Number: 17-1146 Building Height (ft.) : 30

**Design Criteria:**

- i, Florida Building Code 2014
- ii, Wind Loads are calculated as per ASCE 7-10.

**General Notes:**

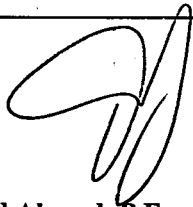
- Any deviations from conditions shown on calculations or drawings shall be engineered separately.
  - Al-Farooq Corporation will not provide a letter of compliance/inspection report unless called during installation.
  - Engineering drawings are checked for all laws, Rules, and Regulations.
- NOTICE: In addition to the requirement of this permit, there may be additional conditions 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, including but not limited to water management districts, state, or federal agencies. The city of Miami Beach assumes no responsibility for accuracy of these plans which are approved by compliance with all Federal, State, and local laws, Rules, and Regulations.

**Additional Notes:**

- Weighted Average Calculations and Qualification Letter

**Disclaimer:**

- This document is not valid without the embossed seal of an engineer employed by Al-Farooq Corporation.
- No portion of this document may be used or reproduced in any manner. Unless authorized by signing professional

  
JUL 27 2017  
Javad Ahmad, P.E. FL# 70592  
EB C.A.N. #3538

**Florida Solar and Air, Inc**  
**Coefficient Kh**      **1.16**

**Gil Residence**  
**409 E SAN MARINO DR**  
**MIAMI BEACH, FL 33139**  
**Coefficient Kzt**      **1.00**

**Wind Speed (mph)**      **175**  
**Importance Factor**      **1.00**  
**Exposure Category**      **D**  
**Risk Category**      **2**  
**Coefficient Kz**      **1.16**

**Mean Roof Height [h] (ft)**      **30.00**  
**Height Above Gnd. Level [z] (ft)**      **30.00**  
**Horizontal Dimen. of Bldg. (ft)**      **102.00**  
**Roof Slope (deg.)**      **>10**  
**Type of Building**      **With Impact Protection**  
**Coefficient Kd**      **0.85**

**Velocity Pressure Evaluated @z [qz] (lb/ft^2)**      **77.30**

**Velocity Pressure Evaluated @h [qh] (lb/ft^2)**      **77.30**

Mark	Comp Type	W (in)	H (in)	Component Size		Gcp Coefficients		Gcpi Coeff.		Design Wind Pressures (lb/ft^2)				
				A ft^2	S (in)	Z4+	Z5+	Z4-	Z5-	Z4+	Z5+	Z4-	Z5-	
8		10.00		1.00	1.00	1.00	-1.10	-1.40	0.18	-0.18	54.7	-59.4	54.7	-73.3

  
**JUL 27 2017**

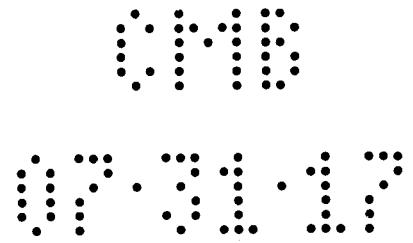
**ASCE 7-10 WIND LOADS ON COMPONENTS AND CLADDING : AL-FAROOQ CORPORATION, 1235 S.W. 87th AVE, MIAMI FL. 33174. TEL:305-264-8100**

**Engineers Seal**

**Engineers Name And Signature**

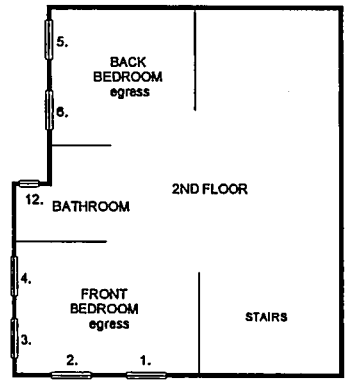
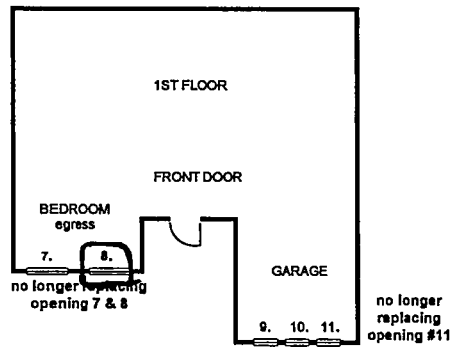
**Design Date**  
**7/27/2017 10:12:24 AM**

**Design Reference Number**  
**17-1146**

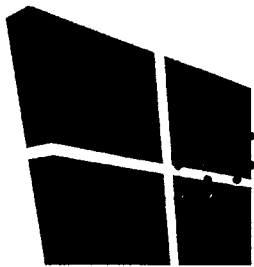


**JOB DESCRIPTION:**  
**WINDOW REPLACEMENT**  
**9 OPENINGS**  
 No longer replacing  
 openings 7, 8, 11

1. Project Out Window 36-7/8" x 25" 110/145.4 NOA #15-0512.21	1. Project Out Window 36-7/8" x 25" 110/145.4 NOA #15-0512.21
3. Casement Window 38-3/4" x 50" 74.7/74.7 NOA #15-0512.19	4. Casement Window 38-3/4" x 50" 74.7/74.7 NOA # 15-0512.19
5. Casement Window 37" x 50-1/4" 74.7/74.7 NOA #15-0512.19	6. Casement Window 37" x 50-1/4" 74.7/74.7 NOA #15-0512.19
7. Casement Window 37" x 72-1/2" 59.8/59.8 NOA #15-0512.19	8. Casement Window 38-3/4" x 72-1/2" 59.8/59.8 NOA #15-0512.19
9. Casement Window 37" x 72-3/4" 59.8/59.8 NOA #15-0512.19	10. Casement Window 38-3/4" x 72-3/4" 59.8/59.8 NOA #15-0512.19
11. Casement Window 38-3/4" x 72-3/4" 59.8/59.8 NOA #15-0512.19	12. Project Out Window 38-1/2" x 18-7/8" 110/145.4 NOA #15-0512.21



MARIA GIL  
 409 E SAN MARINO DR  
 MIAMI BEACH, FL 33139



0110

**AL-FAROOQ CORPORATION**  
CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

June 26, 2017

AFC#17-1146

TO: Mr. Timothy Gallivan  
Florida Solar and Air, Inc  
11956 Miramar Parkway  
Miramar, 33055

Re: Gil Residence  
409 E San Marino Dr.  
Miami Beach, FL 33139

Sub: Weighted Average

Prod: Series "238" Outswing Aluminum Casement Window- L.M.I.  
NOA# 15-0512.19

Dear Mr. Gallivan,

In regard to the above referenced product, our office calculated the weighted average of the site-specific wind design pressures. As per our analysis, Mark#8 design loads are within the 5% of tested loads as per NOA#15-0512.19. Refer to attached weighted average calculations (A-1) for more details.

This is subject to the approval of the building department jurisdiction. If you have any questions, please feel free to contact our office.

Respectfully,

JUL 27 2017

Javad Ahmad, P.E.

Director of Engineering

AL-FAROOQ CORPORATION  
 Florida Solar and Air, Inc  
 Gil Residence

WEIGHTED AVERAGE CALCULATIONS

BUILDING LEAST HORIZONTAL DIMENSION = 50.00'

WIDTH OF ZONE 5 = 10% OF BUILDING LEAST HORIZONTAL DIMENSION = 60.00"

ENG. MK. #	SIZE		AREA	Pd (psf) ±		CRITICAL DISTANCE X FROM CORNER	DISTANCE IN ZONE 4* (IN)	DISTANCE IN ZONE 5** (IN)	Pd (psf) ± AVG.
	WIDTH	HEIGHT		ZONE 4 (+)	ZONE 5 (-)				
8	36.75	72.50	18.50	54.70	59.40	57.00	33.75	3.00	54.70 (+)
									60.53 (-)

As per comparative analysis (see sheet 2), the above door is approved for

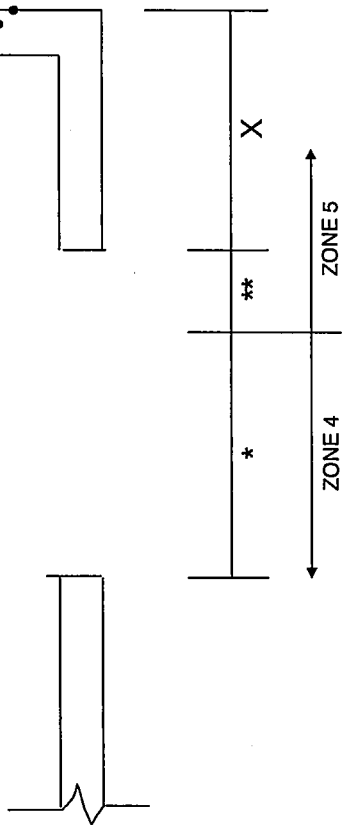
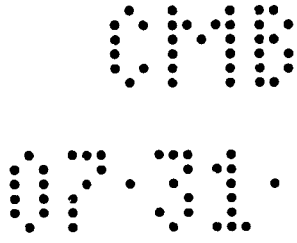
+ 59.8 > + 54.7 OK/

+ 59.8 > + 60.5 Tested Load 59.8+5% = 62.79 > Design Load 60.5 // OK to use. Subject to approval of building official of jurisdiction.

Pd avg. = ((Pd Zone 4 x Dist in Zone 4) + (Pd Zone 5 x Dist in Zone 5)) / Width of opening

\* DISTANCE IN ZONE 4 = DISTANCE IN ZONE 5 - WIDTH OF OPENING

\*\* DISTANCE IN ZONE 5 = WIDTH OF ZONE 5 - DISTANCE FROM CORNER



JUL 27 2017

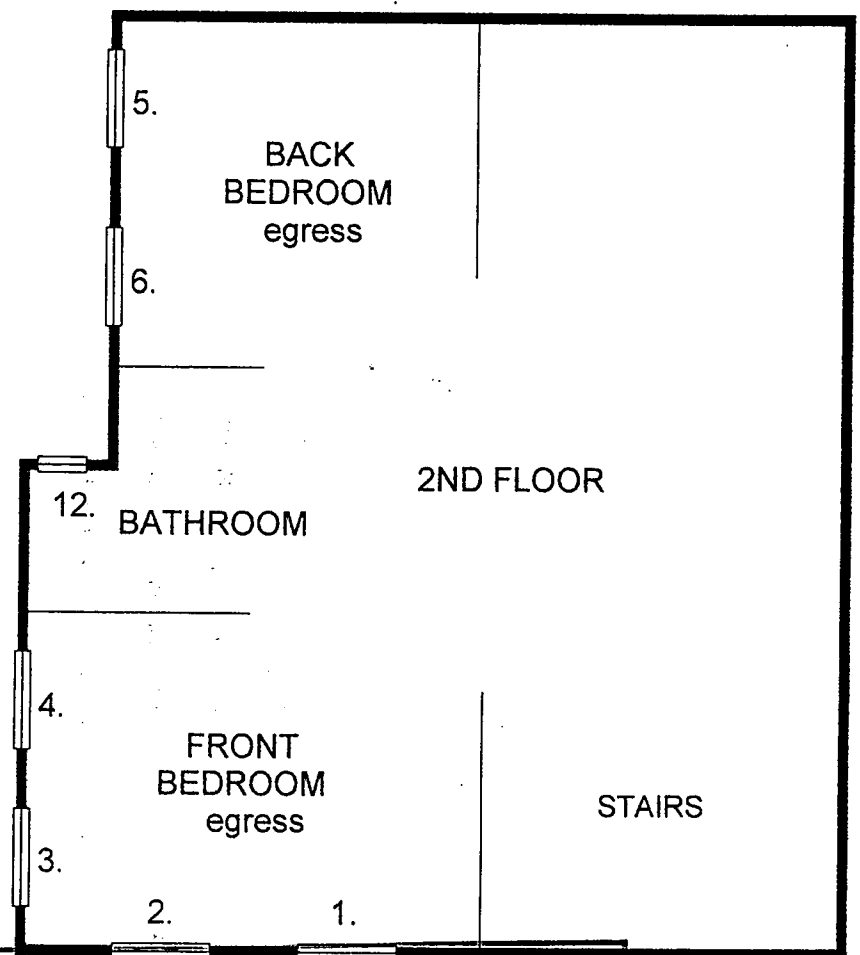
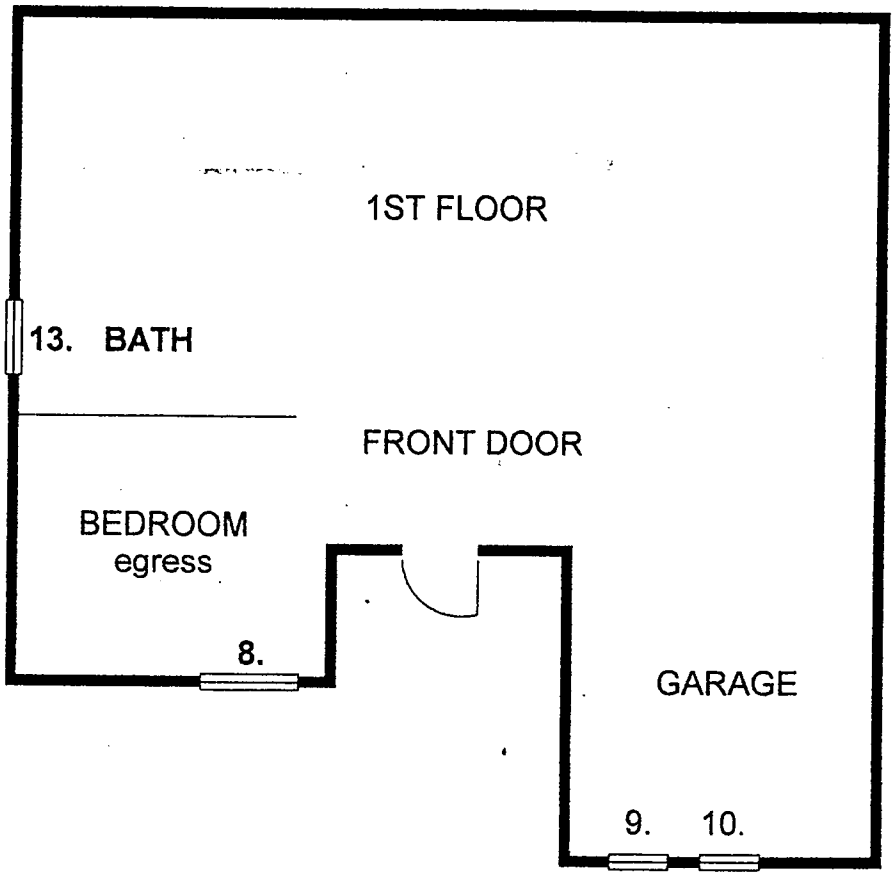
RN1703835  
 BR1701102  
 409 E San Marino Dr

**JOB DESCRIPTION:**  
**WINDOW REPLACEMENT**  
**9 OPENINGS**

No longer replacing openings 7, 11 revised the floor plan and deleted those openings. Added opening #13 for window replacement to impact. Attached is a engineering Letter in reference to the design pressure for Opening #8

- |  |   |
|--|---|
| 1. Project Out Window<br>36-7/8" x 25"<br>110/145.4<br>NOA #15-0512.21   | 2. Project Out Window<br>36-7/8" x 25"<br>110/145.4<br>NOA #15-0512.21      |
| 3. Casement Window<br>36-3/4" x 50"<br>74.7/74.7<br>NOA #15-0512.19      | 4. Casement Window<br>36-3/4" x 50"<br>74.7/74.7<br>NOA # 15-0512.19        |
| 5. Casement Window<br>37" x 50-1/4"<br>74.7/74.7<br>NOA #15-0512.19      | 6. Casement Window<br>37" x 50-1/4"<br>74.7/74.7<br>NOA #15-0512.19         |
| 8. Casement Window<br>36-3/4" x 72-1/2"<br>59.8/59.8<br>NOA #15-0512.19  | 9. Casement Window<br>37" x 72-3/4"<br>59.8/59.8<br>NOA #15-0512.19         |
| 10. Casement Window<br>36-3/4" x 72-3/4"<br>59.8/59.8<br>NOA #15-0512.19 | 12. Project Out Window<br>36-1/2" x 18-7/8"<br>110/145.4<br>NOA #15-0512.21 |
| 13. Project Out Window<br>37" x 25"<br>110/145.4<br>NOA #15-0512.21      |   |

MARIA GIL  
 409 E SAN MARINO DR  
 MIAMI BEACH, FL 33139



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 results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

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

BUILDING:  [Signature] 7/31/17

ZONING:  7/31/17

PLUMBING: \_\_\_\_\_

ELECTRICAL: \_\_\_\_\_

MECHANICAL: \_\_\_\_\_

FIRE PREVENTION: \_\_\_\_\_

FLOOD:  [Signature] 7/31/17

PUBLIC WORKS: \_\_\_\_\_

STRUCTURAL:  VF 7-31-17

ELEVATOR: \_\_\_\_\_

ROOFING: \_\_\_\_\_

PV1703835

BA1701102

404 E San Marino DR

05377

048