

# #13021

Owner Kenneth & Ethel Grossfield  
 Lot 22 Block 1 Subdivision Nautilus  
 General Contractor Luis Garcia Construction Inc.  
 Architect P. Carlos Bravo

Permit No. #B8900397 Cost \$265,000.00  
 Address 4540 N. Bay Road  
 Bond No.  
 Engineer  
 Lot Size Irregular 210<sup>+</sup>x122<sup>+</sup>  
 Height 28.5 Stories 2 Story  
 Use I

Zoning Regulations: Use I Area  
 Building Size: 5024 Front 81<sup>+</sup> Depth 77<sup>+</sup>

Certificate of Occupancy No.  
 Type of Construction III-P Foundation Pile & GB Roof Clay Tile Date 8-28-89

PLUMBING Contractor Sewer Connection Date

Water Closets Swimming Pool Traps Down Spouts  
 Lavatories Steam or Hot Water Boilers Wells  
 Bath Tubs  
 Showers  
 Urinals

Sinks  
 Dish Washing Machine  
 Laundry Trays  
 Laundry Washing Machines  
 Drinking Fountains  
 Floor Drains  
 Grease Traps  
 Safe Wastes

ROUGH APPROVAL  
 FINAL APPROVAL

AIR CONDITIONING Contractor  
 SEPTIC TANK Contractor  
 OIL BURNER Contractor  
 SPRINKLER Contractor

GAS Contractor Date  
 Gas Ranges Gas Frylators  
 Gas Water Heaters Gas Pressing Machine  
 Gas Space Heaters Gas Vents for Stove  
 Gas Refrigerators  
 Gas Steam Tables  
 Gas Broilers

GAS Rough APPROVAL  
 GAS FINAL APPROVAL

ELECTRICAL Contractor Date

OUTLETS Switches Ranges  
 Lights Irons  
 Receptacles Refrigerators  
 Fans  
 Motors  
 Appliances

HEATERS Water  
 Space

TEMPORARY SERVICE  
 NEON TRANSFORMERS  
 SIGN OUTLETS  
 METER CHANGE  
 CENTERS OF DISTRIBUTIONS  
 SERVICE VIOLATIONS

FIXTURES Electrical Contractor Date

FINAL APPROVAL

COASTAL CONTROL ZONE

CUMULATIVE COST OF CONSTRUCTION OF PERMITS ISSUED

DATE	PROCESS	DESCRIPTION	WORK	CUMULATIVE	APPRAISED BLDG.			BUILDING
ISSUED	NO.	OF WORK	COST	WORK COST	VALUE BEFORE REMODEL	%	COMMENTS	PERMIT NO.
9-24-89		NEW 50241 sq. ft. Single Family Residence	\$265,000.00					88900397

BUILDING PERMITS: #B8900397 - 9-28-89 - Luis Garcia Construction - New 5024 sq. ft. single family residence - \$265,000.00 *OK*

ELECTRICAL PERMITS: #BE890050 - Victoria Electric - New temporary service - 10-9-89 *OK*

ALTERATIONS OR REPAIRS

Building Permits:

# INSPECTION / PILE LOG

BR 1802617

Project Name: Olazabal Residence  
 Project Address: 4540 N Bay Rd. Miami Beach  
 File Location: Timber Dock Support Piles

Date Driven: 7/11/2019  
 File Driving Hammer: 3,000 Lb., 6' Drop Hammer

File #	File Size (Inches)	File Length (Feet)	No. of Blows Last 3"	Penetration (Feet)	Comments
<b>Dock Support Piles</b>					
1	12" Timber	30'	12	12'	Pile Driven to Refusal
2	12" Timber	30'	12	12'	Pile Driven to Refusal
3	12" Timber	30'	13	12'	Pile Driven to Refusal
4	12" Timber	30'	11	12'	Pile Driven to Refusal
5	12" Timber	30'	12	12'	Pile Driven to Refusal
6	12" Timber	30'	12	12'	Pile Driven to Refusal
7	12" Timber	30'	13	12'	Pile Driven to Refusal
8	12" Timber	30'	11	12'	Pile Driven to Refusal
9	12" Timber	30'	11	12'	Pile Driven to Refusal
10	12" Timber	30'	12	12'	Pile Driven to Refusal
11	12" Timber	30'	11	12'	Pile Driven to Refusal

Piles Driven to 15 ton bearing capacity.  
 Approval of Timber Dock Framing: Approved as installed.

[Signature]

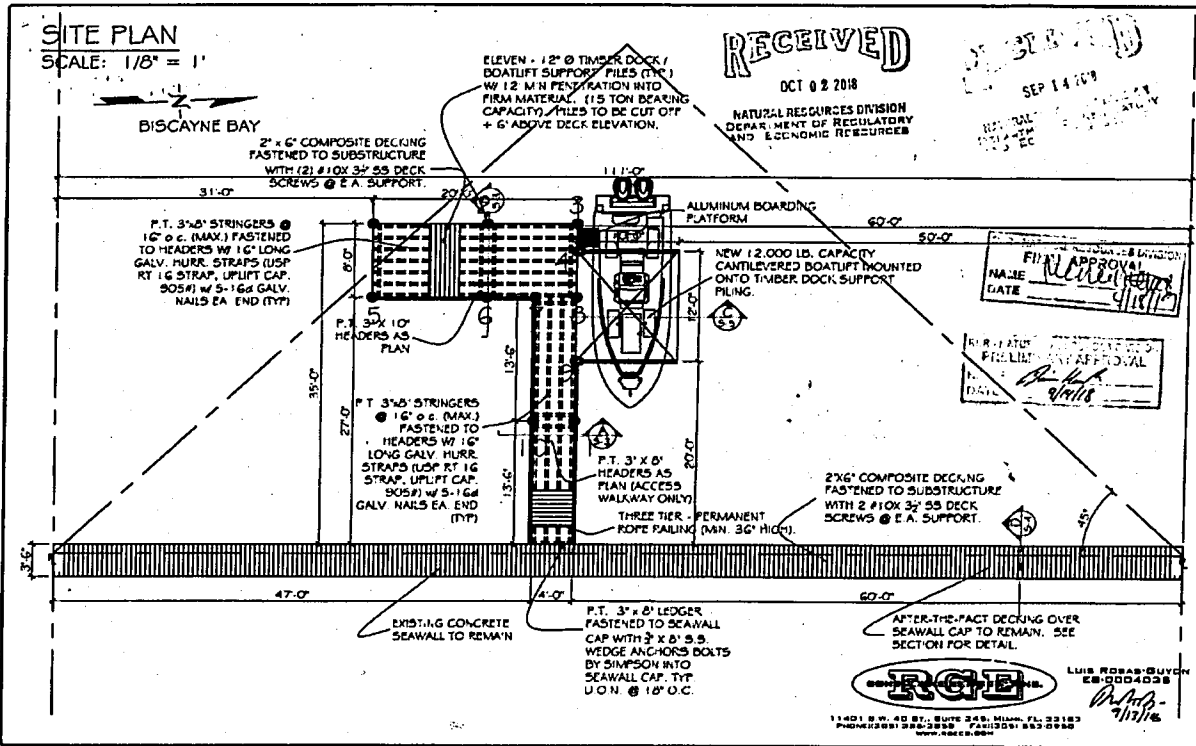
7/11/19

Signature \_\_\_\_\_ Date \_\_\_\_\_



**LUIS ROSAS-GUYON**  
 P.E. # 13725  
 EB-0004035

11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
 PHONE: (305) 386-3858 FAX: (305) 553-0950  
 E-MAIL ADDRESS: LUIS@RGCE.COM



**TRIDENT ENVIRONMENTAL**  
 marine design and planning  
 11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
 PHONE: (305) 386-3858 FAX: (305) 553-0950  
 E-MAIL ADDRESS: LUIS@RGCE.COM

UNIT: [ ]  
 SHEET: **S-2**  
 DATE: [ ]

# BR1802617

## MIAMIBEACH

Building Department  
1700 Convention Center Drive, 2nd Flr  
Miami Beach, Fl 33139

### NOTICE TO THE CITY OF MIAMI BEACH BUILDING DEPARTMENT OF EMPLOYMENT AS SPECIAL INSPECTOR

I have been retained by: TRIDENT ENVIRONMENTAL to perform special inspector services  
at the OLAZABAL RESIDENCE project on the below listed structures as of 9/10/2018 (date).  
I am a registered architect or a professional engineer licensed in the State of Florida.

Process Number: \_\_\_\_\_ Master Permit (IF APPLICABLE): \_\_\_\_\_

- Special Inspector for Pilings, CMDC sect. 8-22
- Special Inspector for Lightweight Insulating Concrete, CMDC sect. 8-22
- Special Inspector for Soil Compaction, CMDC sect. 8-22
- Special Inspector for Precast Units and Attachments, CMDC sect. 8-22
- Special Inspector for Reinforced Masonry, FBC 2122.4 & CMDC sect. 8-22
- Special Inspector for Steel Bolted & Welded Connections, CMDC sect. 8-22
- Special Inspector for Trusses over 35 feet long or 6 feet high, CMDC sect. 8-22
- Special Inspector for Curtain Wall, CMDC sect. 8-22
- Special Inspector for Structural Glazing, CMDC sect. 8-22
- Special Inspector for Composite Floor System, CMDC sect. 8-22
- Special Inspector for \_\_\_\_\_

**NOTE: Only the marked items apply.**


The following individual's employed by this firm or me are authorized representatives to perform inspections

- |          |          |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |

\* Special inspectors utilizing authorized representatives shall insure the authorized representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include: licensure as a professional engineer or architect; graduation from an engineering education program in civil or structural engineering; graduation from an architectural education program; successful completion of the NCEES Fundamentals Examination; or registration as a building inspector or general contractor.

I will notify the City of Miami Beach Building Department of any changes regarding authorized personnel performing inspection services.

I, understand that all mandatory inspections, as required by the Florida Building Code, shall be requested by the permit holder and approved by the Building Department Inspectors. Inspections performed by the Special Inspector hired by the Owner are in addition to the mandatory inspections performed by the Building Department. A Special Inspection Log for each building must be displayed in a convenient location on the site for inspection by the Building Department Inspectors. Further, upon completion of the work under each building permit, I will submit to the Building Department at the time of final inspection the completed Inspection Log form and sealed statement that, to the best of my knowledge, belief and professional judgment those portions outlined above meet the intent of the Florida Building Code and are in subsequent accordance with the approved plans.

  
9/13/18

Architect/Engineer  
Name Printed: LUIS ROSAS-GUYON  
Address: 11401 SW 40TH STREET, # 245 MIAMI, FL 33183  
Phone Number: 305-386-3858 OFFICE 305-553-0950 FAX

Signed and Sealed  
EB-0004035  
License Number

Building Department  
Accepted By: VF 9.26.18

Date: 9/10/2018

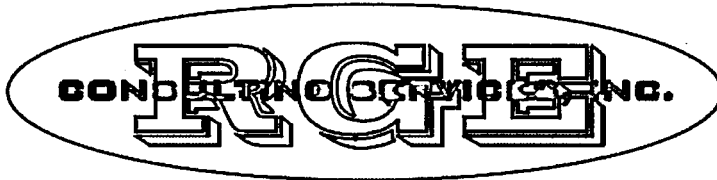
# STRUCTURAL REPORT

Olazabal Residence

4540 N Bay Road

Miami Beach, FL

New Timber Boat Dock and Boatlift



LUIS ROSAS-GUYON  
EB-0004035

11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
PHONE:(305) 386-3858 FAX:(305) 553-0950  
WWW.RGECS.COM

Environmental Consultant:



*[Handwritten Signature]*

9/13/18

**Olazabal Residence**  
 4540 N Bay Road  
 Miami Beach, Fl

Project Scope: New Timber Boat Dock and Boatlift

**Data:**

**Section:** 8' Wide Terminal Platform

Dead Load	<u>10</u>	PSF	Header Length	<u>8</u>	LF
Live Load	<u>40</u>	PSF	Stringer Length	<u>20</u>	LF
			Tributary Length to Header	<u>20</u>	LF

**Design of Headers**

$L = 8 \text{ LF}$   
 $q = (DL+LL) * TL/2 = 500.000 \text{ PLF}$   
 $M = \frac{(q * L^2)}{8} = 4.000E+03 \text{ Lb-ft}$   
 $S_x = \frac{(M * 12)}{(0.9 * 800)} = 66.667 \text{ in}^3 \text{ required}$

Use 3" x 10" ( $S_x = 35.6510$ ) No. 2 Dense Grade \*

**Design of Stringers**

$L = 20 \text{ LF}$   
 $q = (DL+LL) * 16/12 = 66.667 \text{ PLF}$   
 $M = \frac{(q * L^2)}{8} = 3.333E+03 \text{ Lb-ft}$   
 $S_x = \frac{(M * 12)}{(0.9 * 1250)} = 35.556 \text{ in}^3 \text{ required}$

Use 3" x 8" ( $S_x = 21.9010$ ) \*Use No. 1 Grade for Stringers \*

**Design Connection of Header to Piles**

$P = \frac{(DL + LL) * (TL * L)}{2 * 2} = 2000 \text{ Lbs.}$

$Z_{perp}$  for Southern Pine (No. 2); 3/4" Diameter; Side Member = 2 1/2" = 770 lbs. x 2 bolts x R for Main Member

$Z_{perp} = 1,320 > 2,000 \text{ Lbs.}$

OK

$\text{Shear} = \frac{1.5 * P}{2.5 * 6.5} = 184.6 < 175 \text{ psi max. allowable}$

OK

\* All calculations are based on Southern Pine Design Values based on Normal Load Duration and Wet Service (MC > 19%). All structural lumber PT Southern Pine, No. 2 grade or better.



Olazabal Residence  
 4540 N Bay Road  
 Miami Beach, Fl

Project Scope: New Timber Boat Dock and Boatlift

**Data:**

**Section:** 4' Wide Finger Pier

Dead Load	<u>10</u>	PSF	Header Length	<u>4</u>	LF
Live Load	<u>40</u>	PSF	Stringer Length	<u>13.5</u>	LF
			Tributary Length to Header	<u>13.5</u>	LF

**Design of Headers**

L = 4 LF  
 $q = (DL+LL) * TL/2 = 337.500$  PLF  
 $M = \frac{(q * L^2)}{8} = 6.750E+02$  Lb-ft  
 $S_x = \frac{(M * 12)}{(0.9 * 800)} = 11.250$  in<sup>3</sup> required

Use 3"x 10" ( $S_x = 35.6510$ ) No. 2 Dense \*

**Design of Stringers**

L = 13.5 LF  
 $q = (DL+LL) * 16/12 = 66.667$  PLF  
 $M = \frac{(q * L^2)}{8} = 1.519E+03$  Lb-ft  
 $S_x = \frac{(M * 12)}{(0.9 * 925)} = 21.892$  in<sup>3</sup> required

Use 3" x 8" ( $S_x = 21.9010$ ) \*

**Design Connection of Header to Piles**

$P = \frac{(DL + LL) * (TL * L)}{2 * 2} = 675$  Lbs.

$Z_{perp}$  for Southern Pine (No. 2); 3/4" Diameter; Side Member = 2 1/2" = 660 lbs. x 2 bolts x R for Main Member

$Z_{perp} = 1,320 > 675$  Lbs.

OK

Shear =  $\frac{1.5 * P}{2.5 * 6.5} = 62.31 < 175$  psi max. allowable

OK

\* All calculations are based on Southern Pine Design Values based on Normal Load Duration and Wet Service (MC > 19%). All structural lumber PT Southern Pine, No. 2 grade or better.

**Olazabal Residence**  
 4540 N Bay Road  
 Miami Beach, Fl

Project Scope: New Timber Boat Dock and Boatlift

Check Maximum Pile Loading for 12" Diameter Timber Support Pile

Assuming 1/2 of load supported on each pile.

	Headers	Stringers	Length	Span	
Substructure	<u>3x10</u>	<u>3x8</u>	<u>8</u>	<u>10</u>	41 lbs/cf
Dimensions =	in.	in.	ft.	ft.	
	Decking	Length	Span		
Decking	<u>1x6</u>	<u>8</u>	<u>10</u>	PT	75 lbs/cf
Dimensions =	in.	ft.	ft.		
Substructure =	<b>0.29</b>	kips			
Decking =	<b>0.14</b>	kips			
Pile Load Required = Substructure & Decking =					<b>0.43</b> kips max per pile
					= <b>0.21</b> tons max per pile
					< 15 max tons per FBC 2017

**OK**

Pile Driving Formula, Per FBC 1806 and FBC 1822.2

For Drop Hammer, 3,000 lb. minimum with 6' drop, per FBC 1822.1.18

P =	<b>30,000</b>	lbs. allowable total load
W =	<b>3,000</b>	lbs, weight of striking hammer
h =	<b>3</b>	ft., in height of fall of striking part of hammer
S =	<b>1.5</b>	in., average penetration per blow of the last 5 blows
5S =	<b>7.5</b>	in., total penetration of five final blows

Minimum number of blows over the last 3 inches of penetration

n =	<b>3/5</b>	<b>2.000</b>	blows, use 2 blows minimum for last 3" for pile log acceptance.
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Drop Hammer Formula

$$P = \frac{2 \times W \times h}{S-1} = 36,000 \text{ lbs. allowable}$$

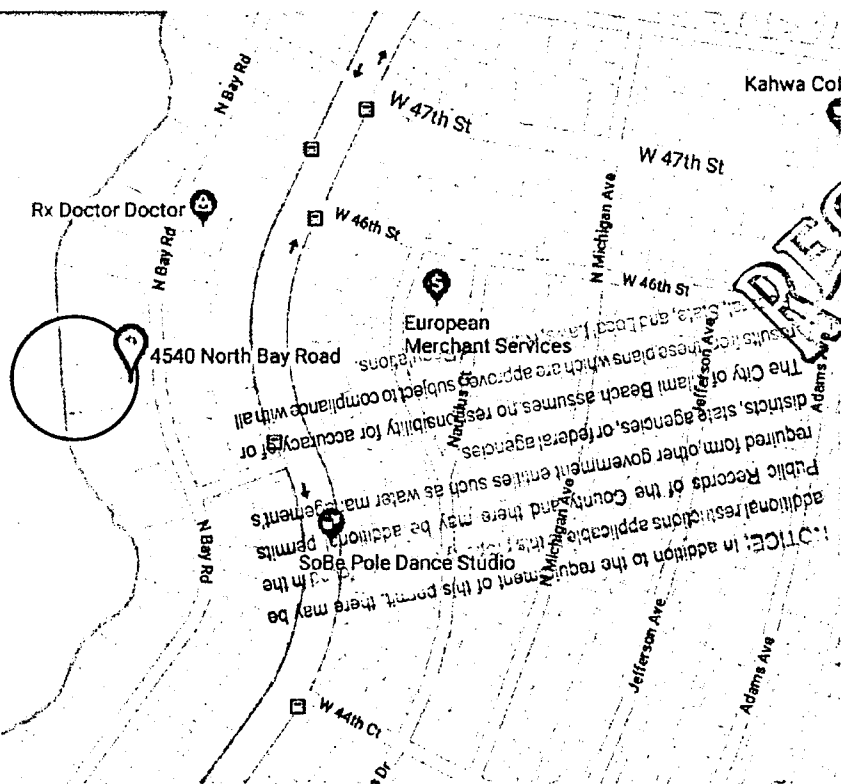
$$= 18 \text{ tons allowable}$$

Pile Driving Log to be kept for each driven pile for FBC 1822.1.20

BR1802617

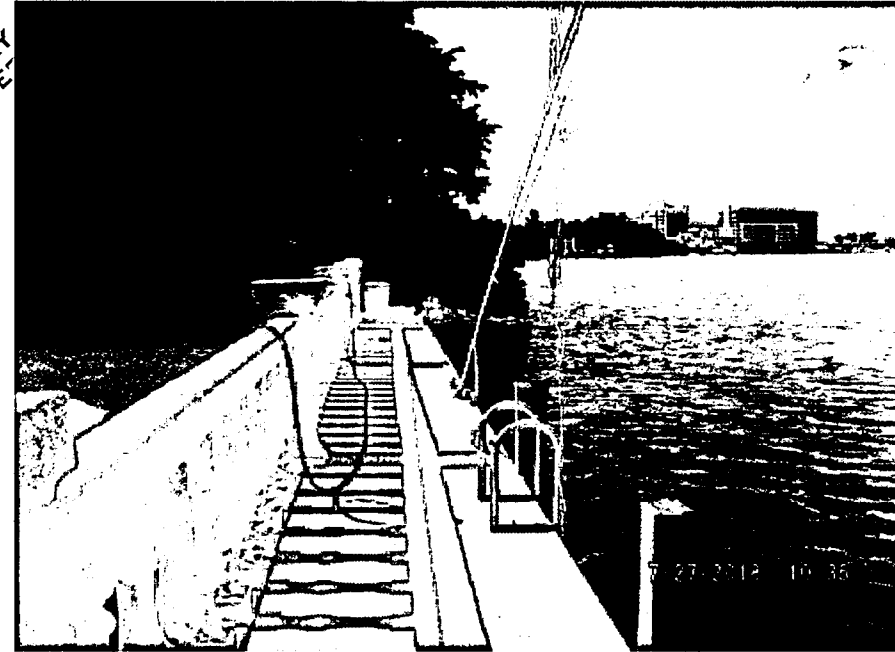
# LOCATION PLAN

SCALE: NTS



**RECEIVED**  
 SEP 14 2018  
 NATURAL RESOURCES DIVISION  
 DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

# EXISTING SITE CONDITIONS:

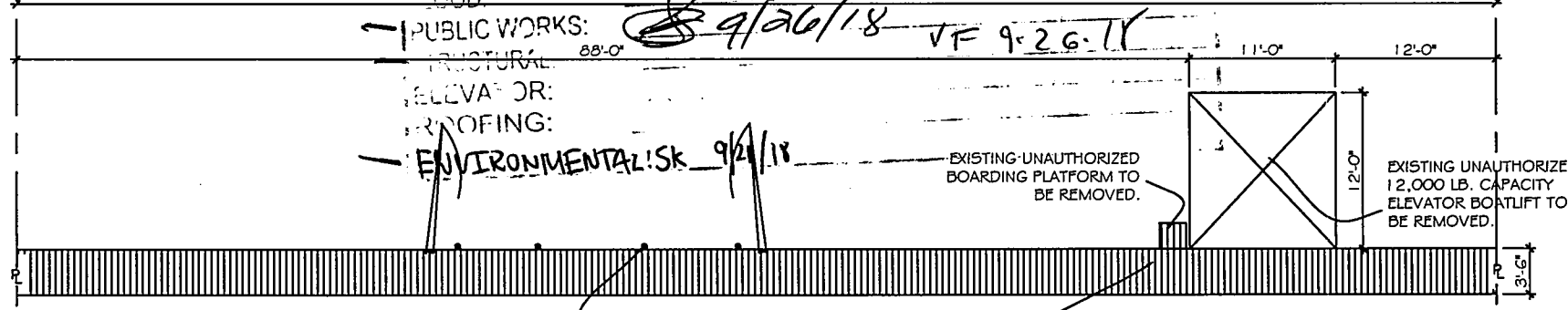
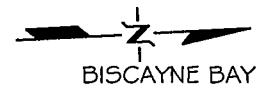


# EXISTING SITE PLAN

SCALE: NTS

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

- BUILDING: \_\_\_\_\_
- ZONING: \_\_\_\_\_
- PLUMBING: \_\_\_\_\_
- ELECTRICAL: \_\_\_\_\_
- MECHANICAL: \_\_\_\_\_
- FIRE PREVENTION: \_\_\_\_\_
- FLOOD: \_\_\_\_\_
- PUBLIC WORKS: \_\_\_\_\_
- STRUCTURAL: \_\_\_\_\_
- ELEVATOR: \_\_\_\_\_
- ROOFING: \_\_\_\_\_
- ENVIRONMENTAL: SK 9/21/18



EXISTING UNAUTHORIZED SEAWALL MOUNTED FENDER (4) AND MOORING WHIPS (2) TO BE REMOVED.

AFTER-THE-FACT DECKING OVER SEAWALL CAP TO REMAIN. SEE SECTION FOR DETAIL.

PRELIMINARY APPROVAL  
 NAME: Daniel Hunkle  
 DATE: 9/14/18  
 CE 2818-286



11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
 PHONE: (305) 386-3858 FAX: (305) 553-0950  
 WWW.RGEC.COM

LUIS ROSAS-GUYON  
 EB-0004035

*Handwritten signature and date: 9/17/18*

1850 SW 8TH STREET  
 SUITE 208A  
 MIAMI, FL 33135  
 305-244-0595  
 bib@tridentenv.com  
 www.tridentenv.com



job name: OLAZABAL RESIDENCE  
 4540 NORTH BAY ROAD  
 MIAMI BEACH, FL

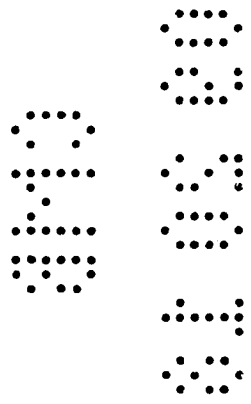
title: NEW TIMBER BOAT DOCK AND ELEVATOR BOATLIFT

OWNER: BERTHA OLAZABAL  
 FOLIO # 02-3222-011-0190  
 SECTION 22 TOWNSHIP 53 RANGE 4  
 NAUTILUS SUB PB 8-95  
 LOT 22 BLK 1  
 PER FILE # CU-2018-0286  
 PM: LINDSAY ELAM

sheet no.  
**S-1**  
 1 of 5

9/10/2018 2:49:11 PM

71 25081 987



PUBLIC WORKS  
PLAN REVIEW NOTICE

Phone 305-673-7080

Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING  
BUILDING PERMITS ONLY.

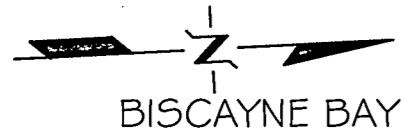
All work, materials and equipment are to be retained within  
the property.

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

Before to start any excavation in the right of way, you must  
contact Sunshine State One Call of Florida (1 800-452-4773) no  
later than 48 hours prior to the excavate; you cannot start the  
work if the utilities have not been located at the job site.

# SITE PLAN

SCALE: 1/8" = 1'



BISCAYNE BAY

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DEPARTMENT OF REGULATORY  
AND ECONOMIC RESOURCES

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305-244-0595  
bib@tridentenv.com  
www.tridentenv.com

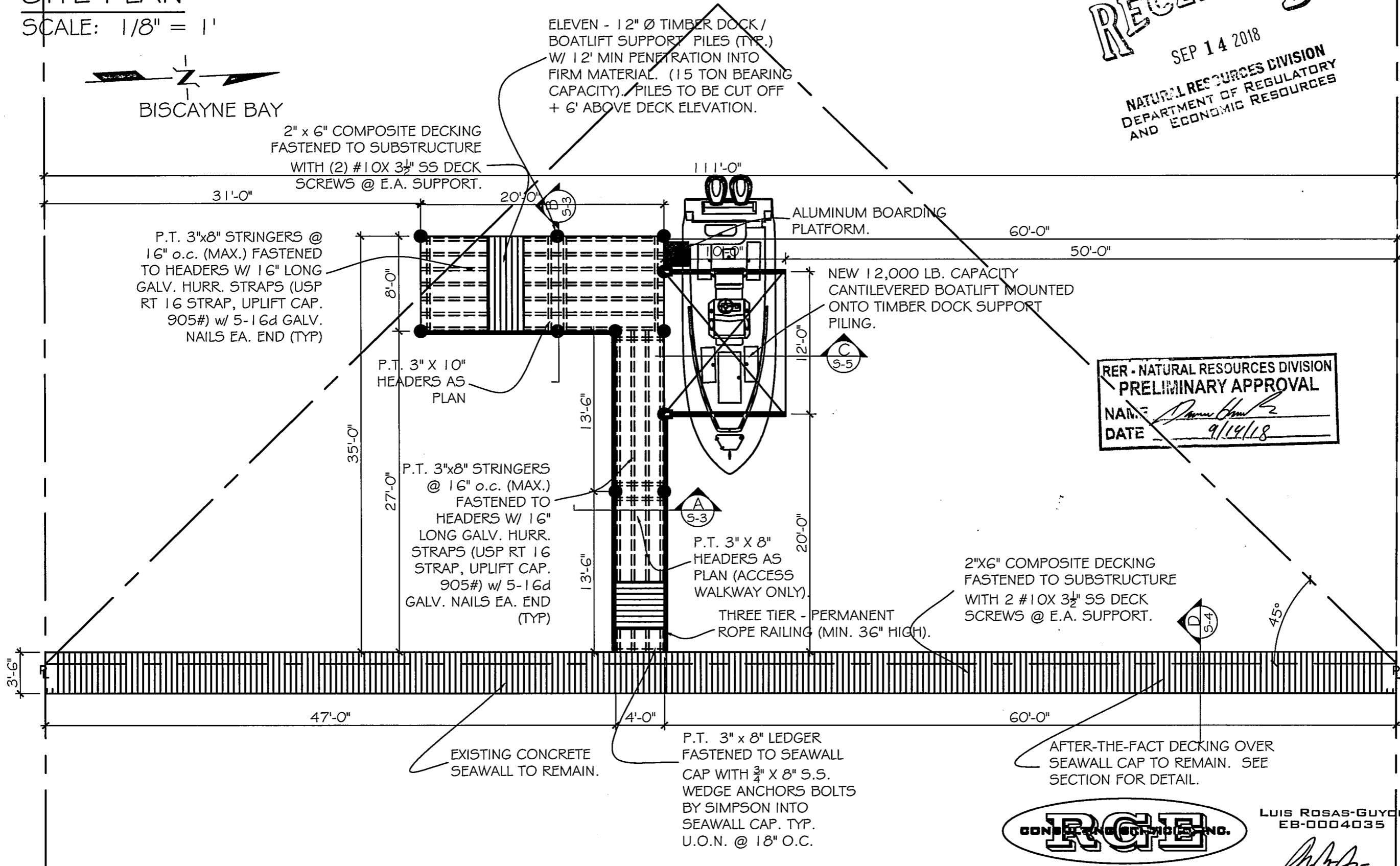
**TRIDENT ENVIRONMENTAL**  
marine design and permitting

job name:  
OLAZABAL RESIDENCE  
4540 NORTH BAY ROAD  
MIAMI BEACH, FL

title:  
NEW TIMBER BOAT DOCK  
AND ELEVATOR BOATLIFT

OWNER: BERTHA OLAZABAL  
FOLIO # 02-3222-011-0190  
SECTION 22 TOWNSHIP 53 RANGE 42  
NAUTILUS SUB PB 8-95  
LOT 22 BLK 1  
RER FILE # CLI-2018-0286  
PM: LINDSAY ELAM

sheet no.  
**S-2**  
2 of 4



ELEVEN - 12" Ø TIMBER DOCK /  
BOATLIFT SUPPORT PILES (TYP.)  
W/ 12' MIN PENETRATION INTO  
FIRM MATERIAL. (15 TON BEARING  
CAPACITY). PILES TO BE CUT OFF  
+ 6' ABOVE DECK ELEVATION.

2" x 6" COMPOSITE DECKING  
FASTENED TO SUBSTRUCTURE  
WITH (2) #10X 3 1/2" SS DECK  
SCREWS @ E.A. SUPPORT.

P.T. 3"x8" STRINGERS @  
16" o.c. (MAX.) FASTENED  
TO HEADERS W/ 16" LONG  
GALV. HURR. STRAPS (USP  
RT 16 STRAP, UPLIFT CAP.  
905#) w/ 5-16d GALV.  
NAILS EA. END (TYP)

P.T. 3" X 10"  
HEADERS AS  
PLAN

P.T. 3"x8" STRINGERS  
@ 16" o.c. (MAX.)  
FASTENED TO  
HEADERS W/ 16"  
LONG GALV. HURR.  
STRAPS (USP RT 16  
STRAP, UPLIFT CAP.  
905#) w/ 5-16d  
GALV. NAILS EA. END  
(TYP)

P.T. 3" X 8"  
HEADERS AS  
PLAN (ACCESS  
WALKWAY ONLY).

THREE TIER - PERMANENT  
ROPE RAILING (MIN. 36" HIGH).

2"X6" COMPOSITE DECKING  
FASTENED TO SUBSTRUCTURE  
WITH 2 #10X 3 1/2" SS DECK  
SCREWS @ E.A. SUPPORT.

EXISTING CONCRETE  
SEAWALL TO REMAIN.

P.T. 3" x 8" LEDGER  
FASTENED TO SEAWALL  
CAP WITH 3/4" X 8" S.S.  
WEDGE ANCHORS BOLTS  
BY SIMPSON INTO  
SEAWALL CAP. TYP.  
U.O.N. @ 18" O.C.

AFTER-THE-FACT DECKING OVER  
SEAWALL CAP TO REMAIN. SEE  
SECTION FOR DETAIL.

RER - NATURAL RESOURCES DIVISION  
**PRELIMINARY APPROVAL**  
NAME: *[Signature]*  
DATE: 9/14/18



LUIS ROSAS-GUYON  
EB-0004035

11401 S.W. 40 ST., SUITE 245, MIAMI, FL 33183  
PHONE:(305) 386-3858 FAX:(305) 553-0950  
WWW.RGEC.COM

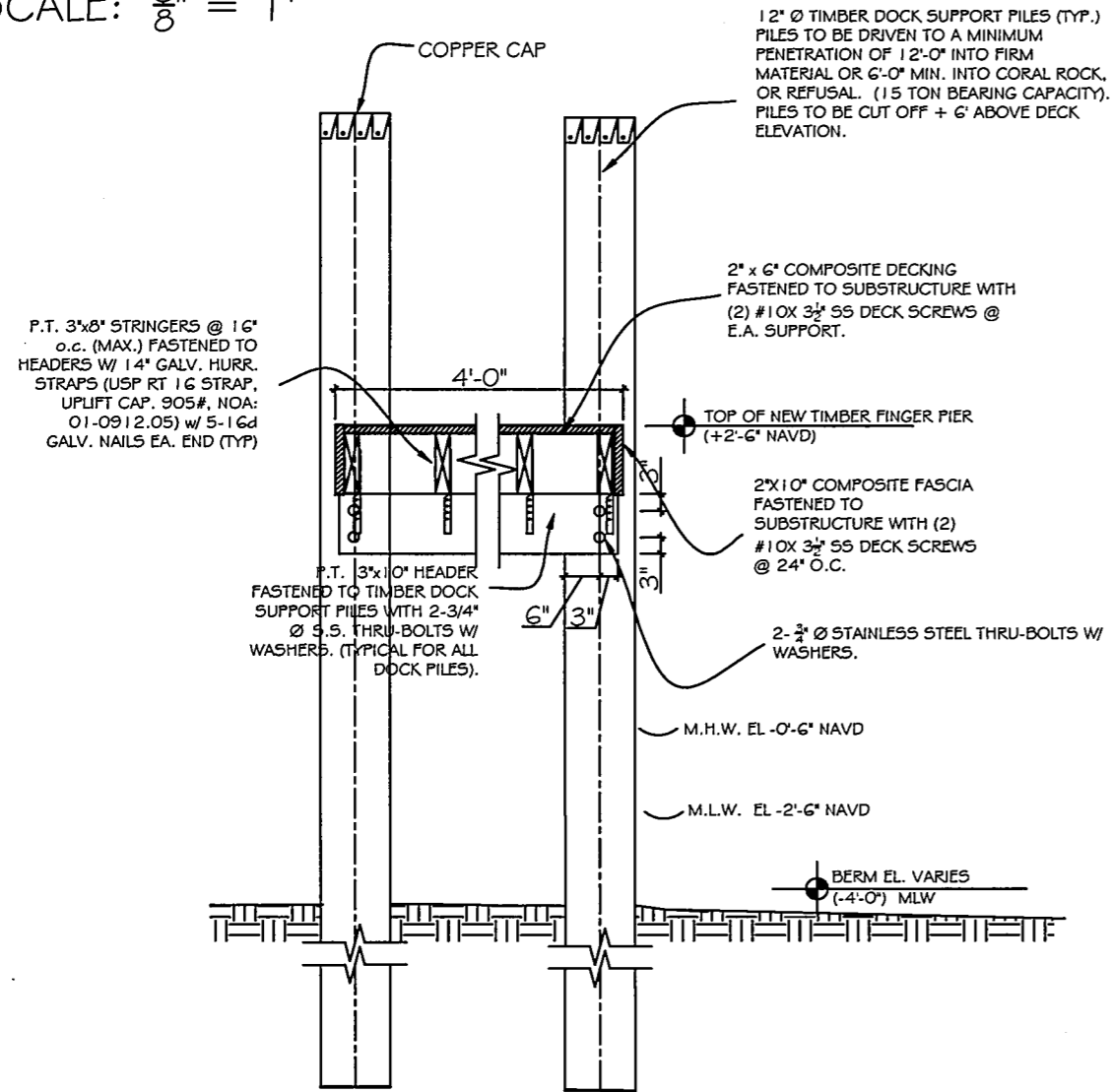
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SEP 14 2018

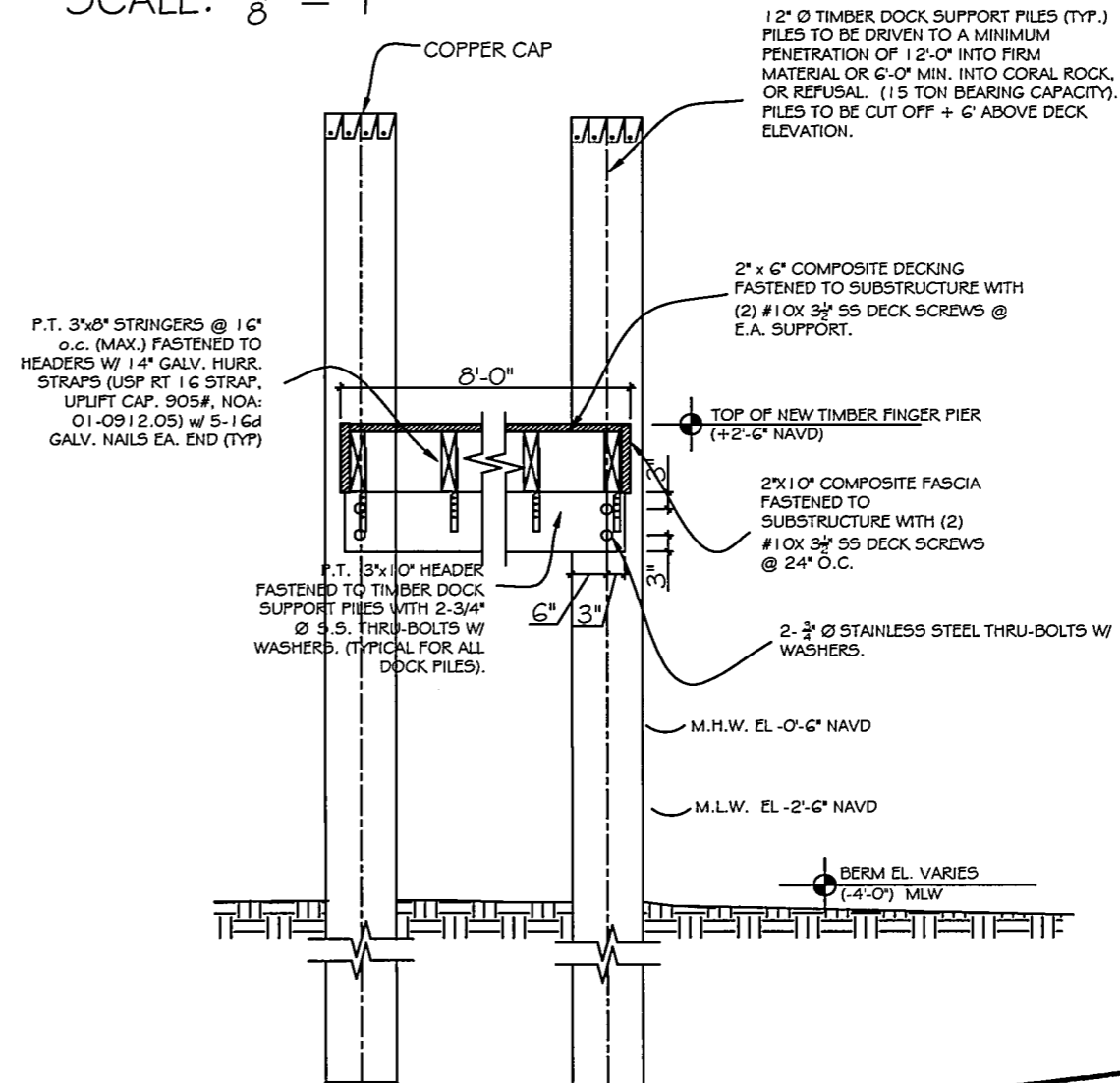
SECTION A (SHEET S-2)

SCALE:  $\frac{3}{8}'' = 1'$



SECTION B (SHEET S-2)

SCALE:  $\frac{3}{8}'' = 1'$



NATURAL RESOURCES DIVISION  
DEPARTMENT OF REGULATORY  
AND ECONOMIC RESOURCES

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TRIDENT ENVIRONMENTAL  
marine design and permitting

job name:  
OLAZABAL RESIDENCE  
4540 NORTH BAY ROAD  
MIAMI BEACH, FL

title:  
NEW TIMBER BOAT DOCK  
AND ELEVATOR BOATLIFT

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME *[Signature]*  
DATE 9/14/18



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LUIS ROSAS-GUYON  
EB-0004035

*[Signature]*  
2/13/18

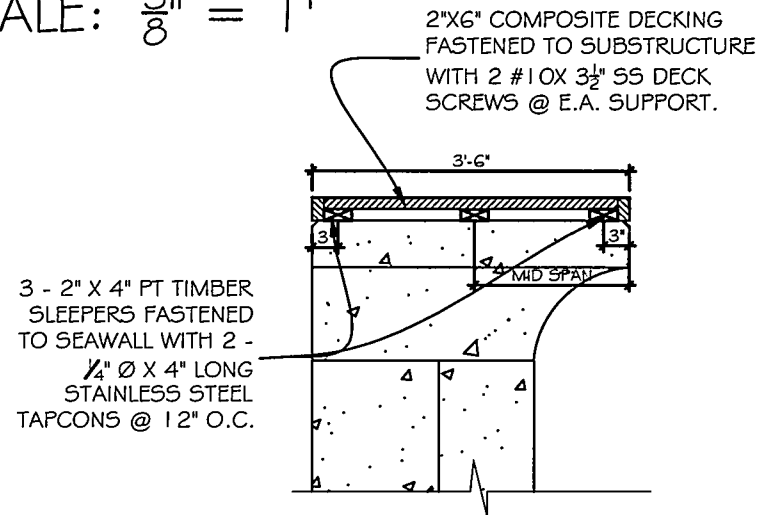
OWNER: BERTHA OLAZABAL  
FOLIO # 02-3222-011-0190  
SECTION 22 TOWNSHIP 53 RANGE 42  
NAUTILUS SUB PB 8-95  
LOT 22 BLK 1  
RER FILE # CL-2018-0286  
PM: LINDSAY ELAM

sheet no.  
S-3  
3 of 6

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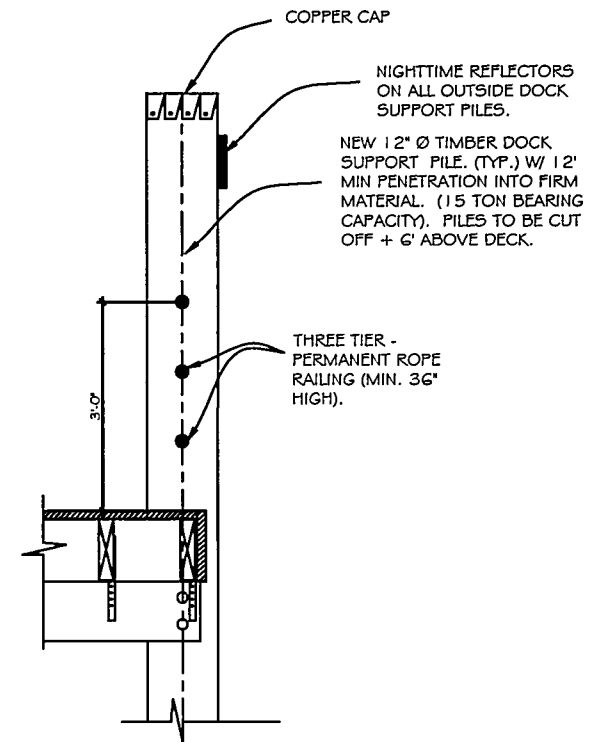
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SCALE:  $\frac{3}{8}'' = 1'$



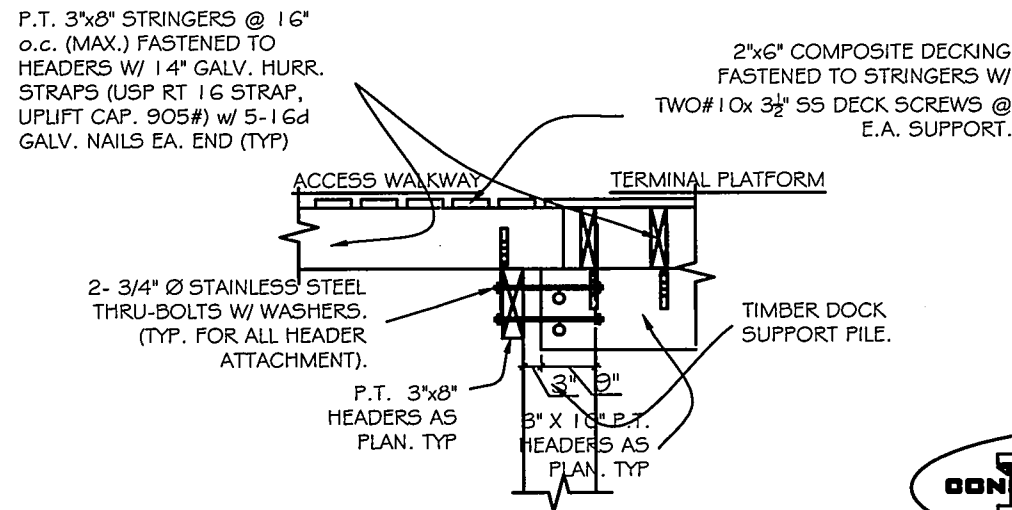
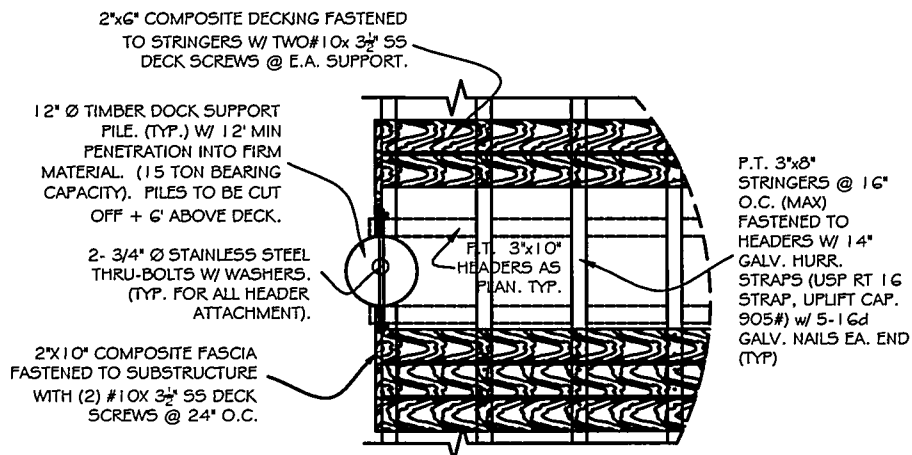
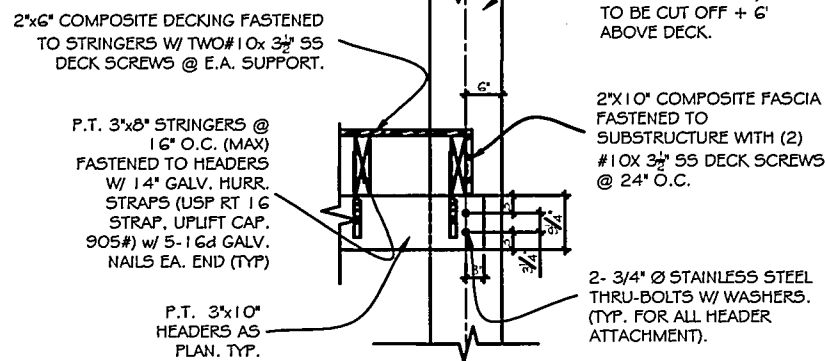
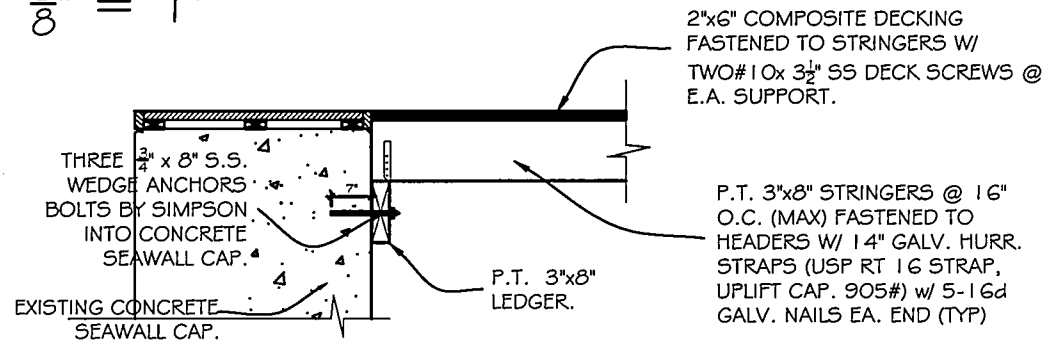
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 NATURAL RESOURCES DIVISION  
 DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

# RAILING DETAIL:



# TYPICAL DOCK DETAILS:

SCALE:  $\frac{3}{8}'' = 1'$



**RER - NATURAL RESOURCES DIVISION PRELIMINARY APPROVAL**  
 NAME: *[Signature]*  
 DATE: 9/14/18

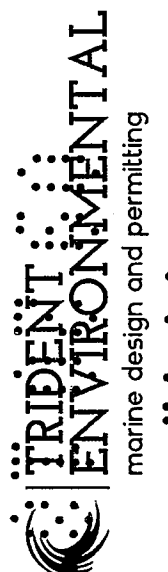


11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
 PHONE: (305) 386-3858 FAX: (305) 553-0950  
 WWW.RGEC.COM

LUIS ROSAS-GUYON  
 EB-0004035

*[Signature]*  
 9/13/18

1850 SW 8TH STREET  
 SUITE 208A  
 MIAMI, FL 33135  
 305-244-0595  
 bibi@tridentenv.com  
 www.tridentenv.com



marine design and permitting

OLAZABAL RESIDENCE  
 4540 NORTH BAY ROAD  
 MIAMI BEACH, FL

NEW TIMBER BOAT DOCK  
 AND ELEVATOR BOATLIFT

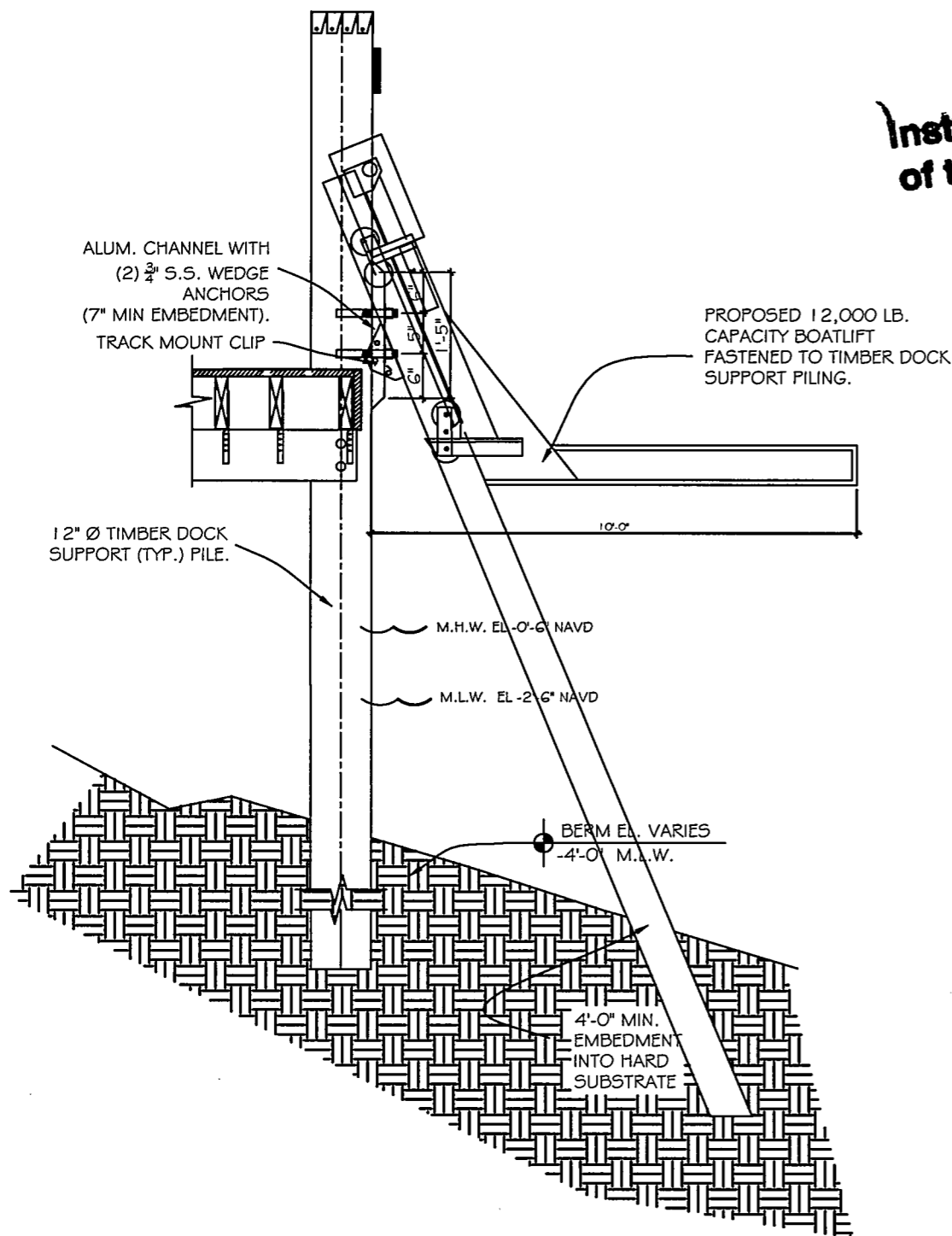
OWNER: BERTHA OLAZABAL  
 FOLIO # 02-3222-0111-0190  
 SECTION 22 TOWNSHIP 53 RANGE 42  
 NAUTILUS SUB PB 8-95  
 LOT 22 BLK 1  
 RER FILE # CL1-2018-0286  
 FM: LINDSAY ELAM

sheet no.  
**S-4**  
 4 of 6

9/10/2018 2:49:16 PM

# SECTION C (SHEET S-2)

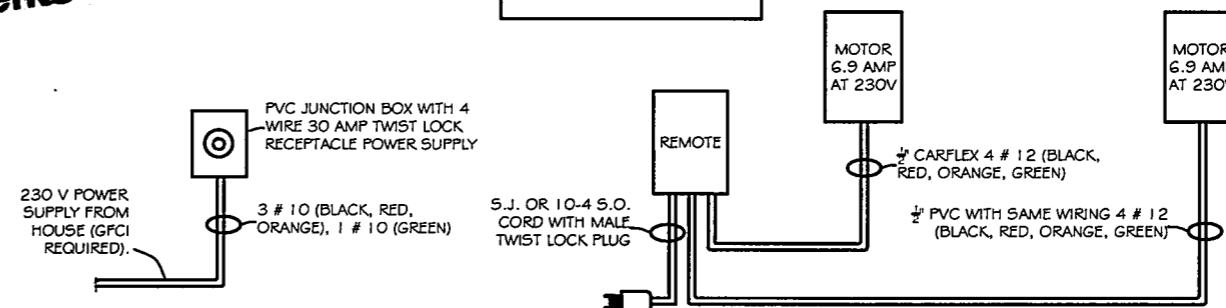
SCALE:  $\frac{3}{8}'' = 1'$



**Installation must comply with all of the requirements of NEC 110.3.B**

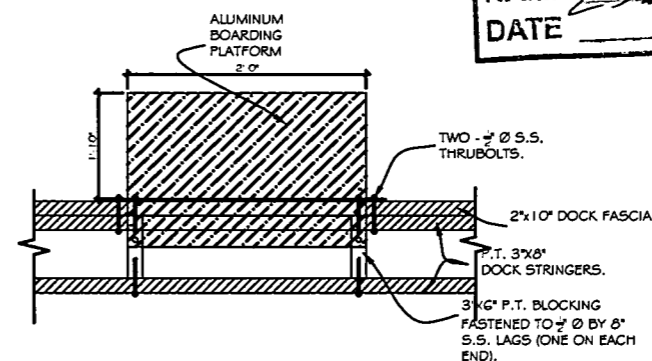
## ELECTRICAL CONNECTION FOR BOATLIFT:

WIRING FOR BOATLIFT ONLY. POWER SUPPLIED FROM HOUSE TO BOATLIFT LOCATION. GFCI REQUIRED.



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SEP 14 2018  
NATURAL RESOURCES DIVISION  
DEPARTMENT OF REGULATORY  
AND ECONOMIC RESOURCES

## BOARDING PLATFORM ATTACHMENT:



RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME *Darin K...*  
DATE 9/14/18

*9-26-18*



11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
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LUIS ROSAS-GUYON  
EB-0004035

*9/13/18*

1850 SW 8TH STREET  
SUITE 208A  
MIAMI, FL 33135  
305-244-0595  
bib@tridentenv.com  
www.tridentenv.com

TRIDENT ENVIRONMENTAL  
marine design and permitting



job name:  
OLAZABAL RESIDENCE  
4540 NORTH BAY ROAD  
MIAMI BEACH, FL

title: NEW TIMBER BOAT DOCK AND ELEVATOR BOATLIFT

OWNER: BERTHA OLAZABAL  
FOLIO # 02-3222-011-0190  
SECTION 22 TOWNSHIP 53 RANGE 42  
NAUTILUS SUB PB 8-95  
LOT 22 BLK 1  
RER FILE # CL-2018-0286  
PM: LINDSAY ELAM

sheet no.

S-5  
5 of 6

9/10/2018 2:49:17 PM



9/10/2018 2:56:45 PM

**GENERAL NOTES**

ELEVATIONS SHOWN REFER TO THE NATIONAL GEODATIC VERTICAL DATUM OF 1929 (NGVD 1929).

ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.

IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ENGINEER BEFORE PROCEEDING WITH WORK.

IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.

APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 6th EDITION (2017).

CONTRACTOR TO DETERMINE THE SUSTAINABILITY OF EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCES AND PROCEDURES OF WORK.

CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK.

ANY DEVIATION AND/OR SUBSTITUTION FROM THE INFORMATION PROVIDED HEREIN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

**WOOD PILING**

1. ALL WOOD PILES TO BE 12" DIAMETER SOUTH AMERICAN GREENHEART PILES; OR 12" DIAMETER SOUTHERN PINE AND COMPLY WITH A.S.T.M. D25-79 AND BE PRESSURE TREATED W/ C.C.A, FEDERAL SPECIFICATIONS TT-W-550D (1) OR TT-W-00550E (L) AND AWFA-MP-4.
2. ALL WOOD PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 15 TONS WITH MINIMUM PENETRATION OF 12' INTO FIRM MATERIAL BELOW SILT LAYER OR 6'-0" MIN. INTO ROCK, OR REFUSAL (30 HAMMER BLOWS (4,500# MIN. HAMMER WEIGHT / 7'-6" MIN. HAMMER DROP) FOR THE LAST 9" OF PENETRATION.)
3. PILES SHALL BE CUT OFF AT ELEVATIONS AS SHOWN ON PLANS AND SECTIONS.

**PILE DRIVING NOTES**

1. PILE DRIVING OPERATIONS SHALL BE OBSERVED BY A SPECIAL INSPECTOR, INCLUDING TEST PILES IF REQUIRED.
2. PILES SHALL BE DRIVEN USING AN APPROVED CUSHION BLOCK CONSISTING OF MATERIAL SO ARRANGED SO AS TO PROVIDE THE TRANSMISSION OF HAMMER ENERGY.
3. PILES SHALL BE DRIVEN TO REQUIRED CAPACITY, MINIMUM PENETRATION OF 12' INTO FIRM MATERIAL BELOW SILT LAYER OR 6'-0" MIN. INTO ROCK, OR REFUSAL.
4. PILES SHALL BE DRIVEN WITH A VARIATION OF NO MORE THAN 1/4" PER FOOT FROM THE VERTICAL OR FROM THE BATTER LINE INDICATED WITH A MAX VARIATION OF THE HEAD OF THE PILE FROM THE POSITION SHOWN ON THE PLANS OF NO MORE THAN 3".
5. MINIMUM PENETRATION OF ALL PILES TO BE AS FOLLOWS:  
 INTO BEDROCK: -6' MIN  
 INTO YIELDING MATERIAL: -10' MIN.  
 MINIMUM SAFE BEARING: 25 TONS PRECAST CONCRETE PILE

**TURBIDITY BARRIER**

1. FLOATING TURBIDITY BARRIERS SHALL REMAIN IN PLACE DURING ALL PHASES OF IN-WATER WORK. IF SEAGRASSES ARE PRESENT BARRIERS SHALL NOT BE PLACED OVER THEM. FLOATING TURBIDITY BARRIERS SHALL BE INSTALLED IN A MANNER TO PREVENT MANATEE ENTANGLEMENT.
  2. TURBIDITY BARRIERS TO BE MARKED WITH SITE CONTRACTOR'S COMPANY NAME USING PERMANENT MARKINGS NO SMALLER THAN 3" IN HEIGHT.
- CONTRACTOR SHALL EMPLOY AND MAINTAIN ADEQUATE SEDIMENT AND EROSION CONTROL MEASURES DURING ALL PHASES OF WORK.

**LOADS**

WIND LOADS AS CALCULATED BY ASCE 7-10, CATEGORY II STRUCTURE, FOR A WIND LOADING OF 175 MPH, EXPOSURE 'C'.

LIVE LOAD = 40 PSF                      DEAD LOAD = 10 PSF

DO NOT SCALE DRAWINGS FOR DIMENSION.

PERMITS

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SEP 14 2018

NATURAL RESOURCES DIVISION  
DEPARTMENT OF REGULATION  
AND ECONOMIC DEVELOPMENT

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME: *[Signature]*  
DATE: 9/14/18



11401 S.W. 40 ST., SUITE 245, MIAMI, FL. 33183  
PHONE:(305) 386-3858 FAX:(305) 553-0950  
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*[Signature]*  
9/13/18

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MIAMI, FL 33135  
305-244-0595  
info@tridentenv.com  
www.tridentenv.com  
**TRIDENT ENVIRONMENTAL**  
marine design and permitting

job name:  
OLAZABAL RESIDENCE  
4540 NORTH BAY ROAD  
MIAMI BEACH, FL  
title: NEW TIMBER BOAT DOCK  
AND ELEVATOR BOATLIFT

OWNER: BERTHA OLAZABAL  
FOLIO # 02-3222-011-0190  
SECTION 22 TOWNSHIP 53 RANGE 42  
NAUTILUS SUB PB 8-95  
LOT 22 BLK 1  
RER FILE # CL-2018-0286  
PM: LINDSAY ELAM

sheet no.  
**S-6**  
6 of 6

2023

BRIBUZG17

4540

N BAY

ND

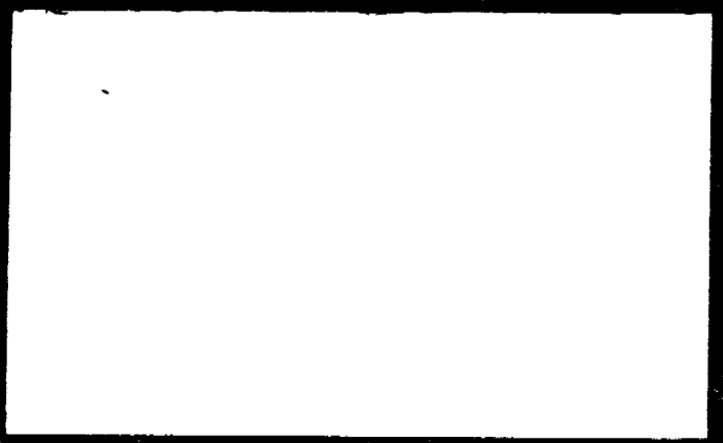
**NEXT**  
Professional Microfilm Services, Inc.  
Miami, Florida  
**FILE**

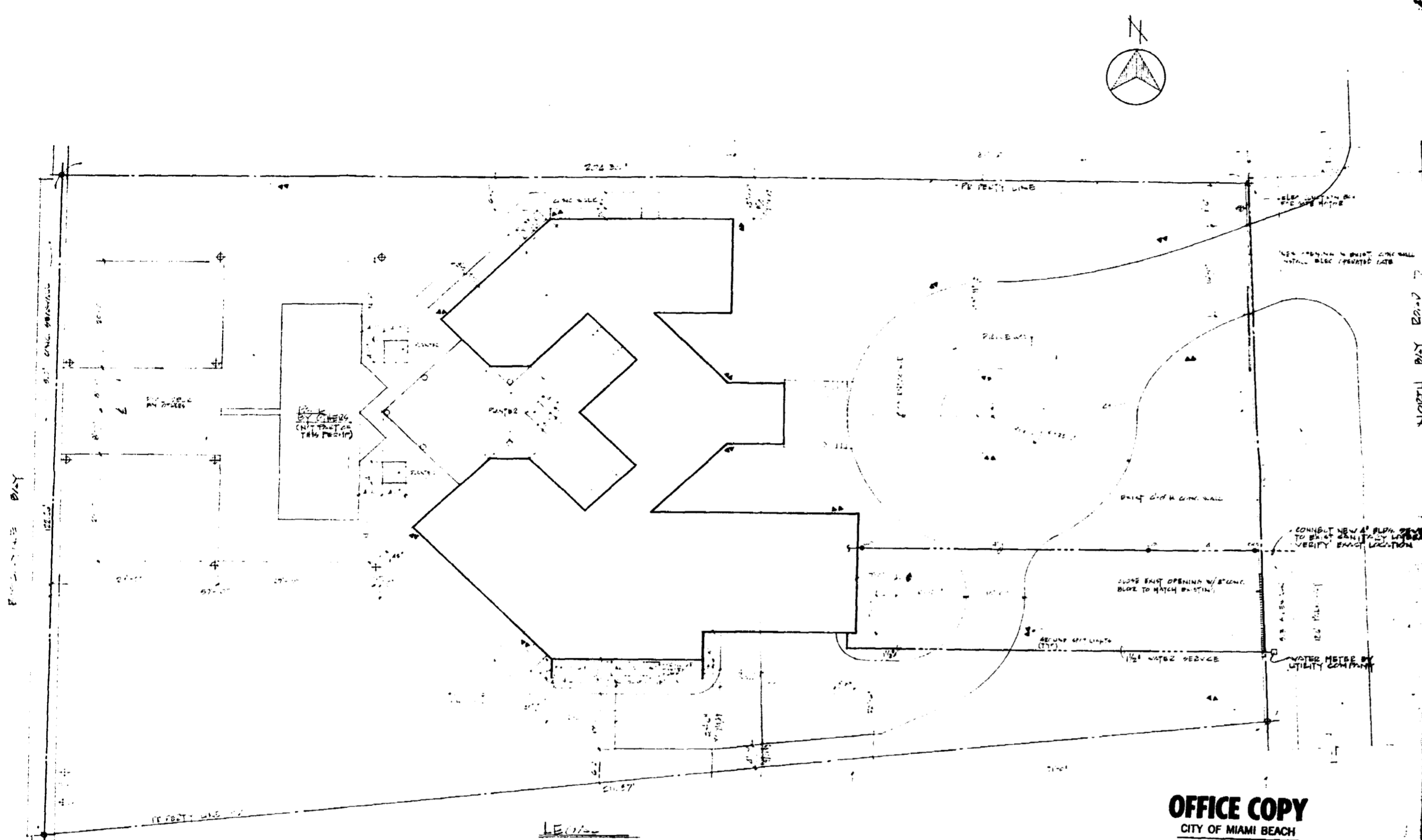
THIS IS TO CERTIFY THAT PROFESSIONAL MICROFILM SERVICE, INC. PRESENTS THE FOLLOWING IMAGES AS AN ACCURATE AND COMPLETE MICROFILM COPY OF THE ORIGINAL BUSINESS FILES AS EDITED BY THE INSTITUTION INSTRUCTIONS.

**PERMIT**  
*BS 201111*

1006

00436





LEV. 1  
 LOT 25, BLOCK 1  
 MIAMI BEACH "NAUTILUS SUBDIVISION"  
 AS RECORDED IN PLAT BOOK 8 AT PAGE 78 OF  
 THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA.

**SITE PLAN**  
 18' x 18'

**OFFICE COPY**  
 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY  
 THE FOLLOWING:  
 1. ENGINEER: *[Signature]*  
 2. ARCHITECT: *[Signature]*  
 3. PLUMBING: \_\_\_\_\_  
 4. ELECTRICAL: \_\_\_\_\_  
 5. MECHANICAL: \_\_\_\_\_  
 6. INSULATION: \_\_\_\_\_  
 7. PAVEMENT: \_\_\_\_\_  
 8. OTHER: \_\_\_\_\_

GALLO DESIGN and  
 DEVELOPMENT inc.  
 p.o. box 1415  
 coconut grove, fla.

P. CARLOS BRAVO ARCHITECT  
 106 madeira  
 coral gables, fla.

NEW RESIDENCE FOR  
 MR & MRS  
 KEN GROSSFELD  
 MIAMI BEACH, FLA.

date: 6/6/87  
 revisions:  
 sheet #: A-1

10047

91424

91424

**91424**



KENNETH PARKER BUILDING CORPORATION  
 INTERCONTINENTAL BANK  
 2875  
 2000  
 06

Inv. Deposited by Depositor and by Cashier Name Dollars \$270.00 00/100

PAID TO  
 Cashier  
 Date Deposited  
 100 00  
 10 00  
 Miami, Fla.

RECEIVED BY  
 NAME  
 TITLE  
 DATE

1964-1965 Occupational License	26.00
1964-1965 Municipal Contractors License	200.00
Penalty Fee	1.50
<b>Total</b>	<b>\$227.50</b>

AMOUNT PAID IN FULL  
 1st check lost in mail

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

BUILDING:  
 ZONING:  
 PLUMBING:  
 ELECTRICAL:  
 MECHANICAL:  
 FIRE PREVENTION:  
 ENGINEERING:

RECEIVED

NOV 2 1964

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

BUILDING:  
 ZONING:  
 PLUMBING:  
 ELECTRICAL:  
 MECHANICAL:  
 FIRE PREVENTION:  
 ENGINEERING:

RECEIVED

NOV 2 8 1964

This is my suggestion for the trash area... please have David Freeman or the contractor incorporate as is or with your modifications into the PERMIT SET.  
 Sincerely,  
 Kelly

This is my suggestion for the trash area... please have David Freeman or the contractor incorporate as is or with your modifications into the PERMIT SET.  
 Sincerely,  
 Kelly

RECEIVED BY  
 NAME  
 TITLE  
 DATE

DATE  
 TIME  
 AMOUNT

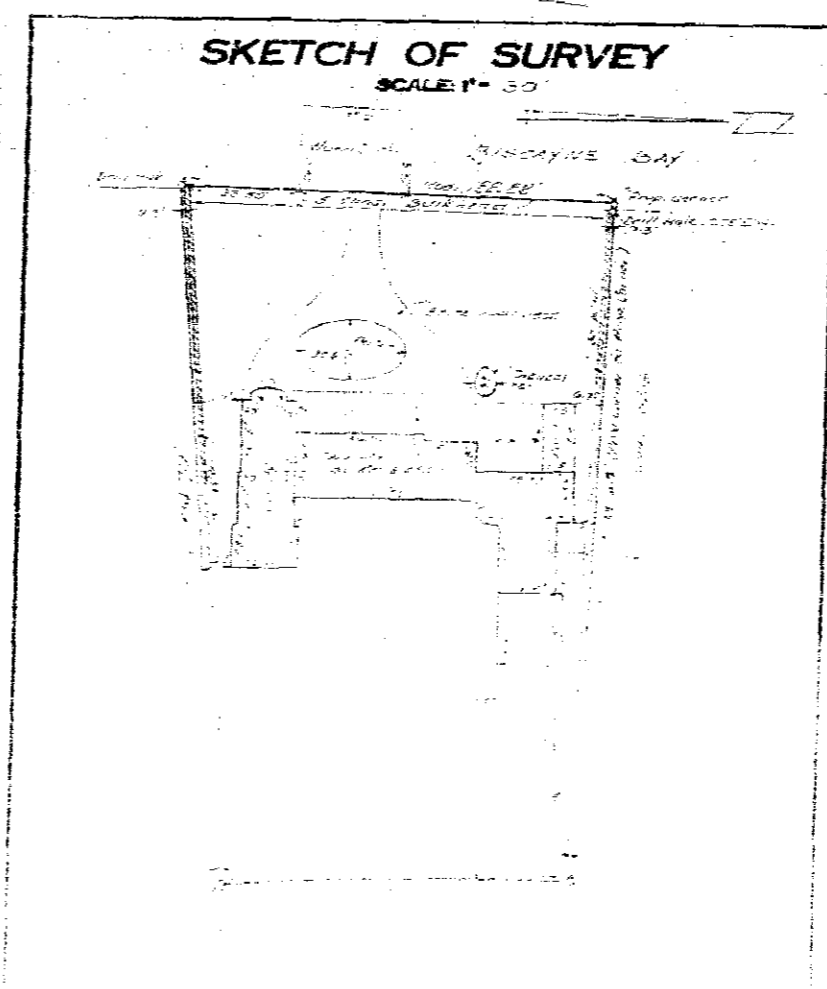
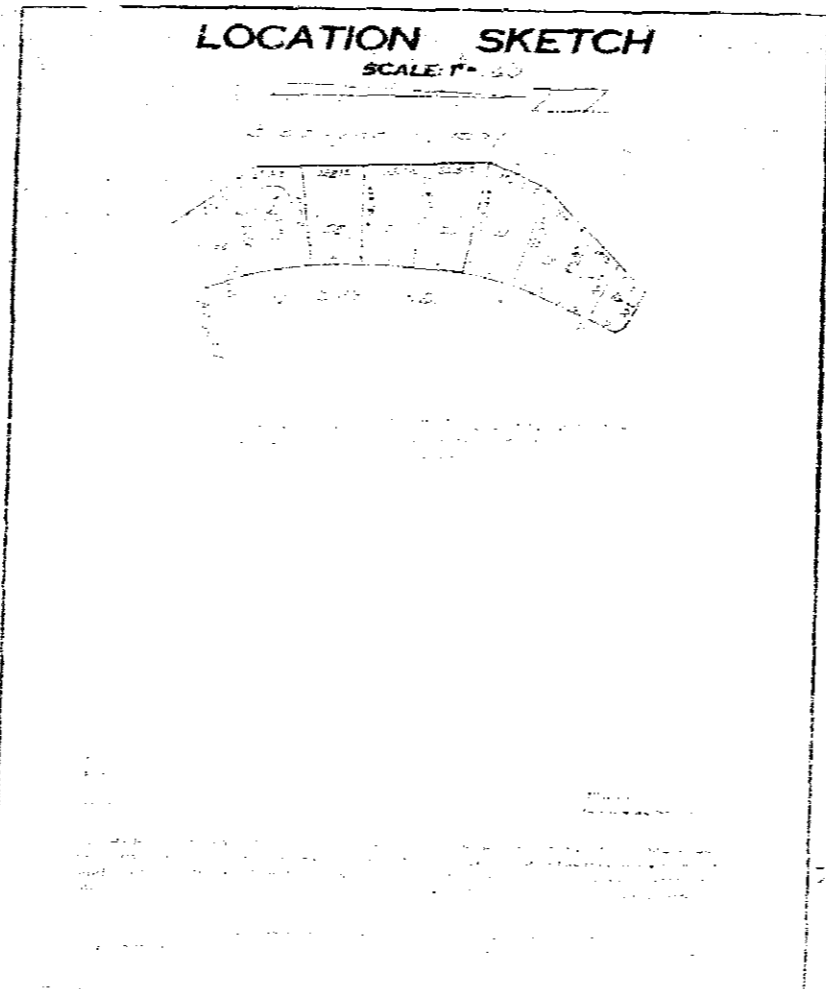
REMARKS

DATE  
 TIME  
 AMOUNT

REMARKS

DATE  
 TIME  
 AMOUNT

REMARKS



DATE: October 1, 1964

CITY OF MIAMI BEACH  
 DEVELOPMENT SERVICES DEPARTMENT  
 1700 CONVENT CENTER DRIVE  
 MIAMI BEACH, FLORIDA 33139  
 ATTENTION: BUILDING OFFICIAL

APPROVED BY

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**91424**

LIST OF DRAWINGS

ARCHITECTURAL

1. EXISTING FLOOR PLAN  
2. EXISTING WALLS TO REMAIN  
3. EXISTING WALLS TO BE DEMOLISHED  
4. NEW CONSTRUCTION AS NOTED  
5. NEW EXTERIOR CONSTRUCTION  
6. WALL AREA IN MAJOR DISREPAIR

STRUCTURAL

MECHANICAL

H.V.A.C.

ELECTRICAL

LANDSCAPE

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- NEW CONSTRUCTION AS NOTED
- NEW EXTERIOR CONSTRUCTION
- WALL AREA IN MAJOR DISREPAIR
- DETAILS — (CIRCLE) DETAIL NUMBER SHEET NUMBER WHERE SHOWN
- SECTIONS — (DIAMOND) SECTION No. SHEET NUMBER WHERE SHOWN

NOTE: DIMENSIONS AS SHOWN ARE BASED ON EXISTING CONDITIONS AND CRITERIA AND SHALL BE VERIFIED BY THE GENERAL CONTRACTOR IN THE FIELD. DRAWINGS ARE NOT TO BE SCALED.

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OCT 15 1984  
BUILDING DEPARTMENT DIVISION

RENOVATIONS AND IMPROVEMENTS TO THE RESIDENCE OF  
**MR. AND MRS. RICHARD WINGER**

4540 NORTH BAY ROAD MIAMI BEACH, FLORIDA 33140

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

PROJECT NO. 8315  
DATE: JUNE 5, 1984

Building  
Planning  
Electrical  
Mechanical  
Structural

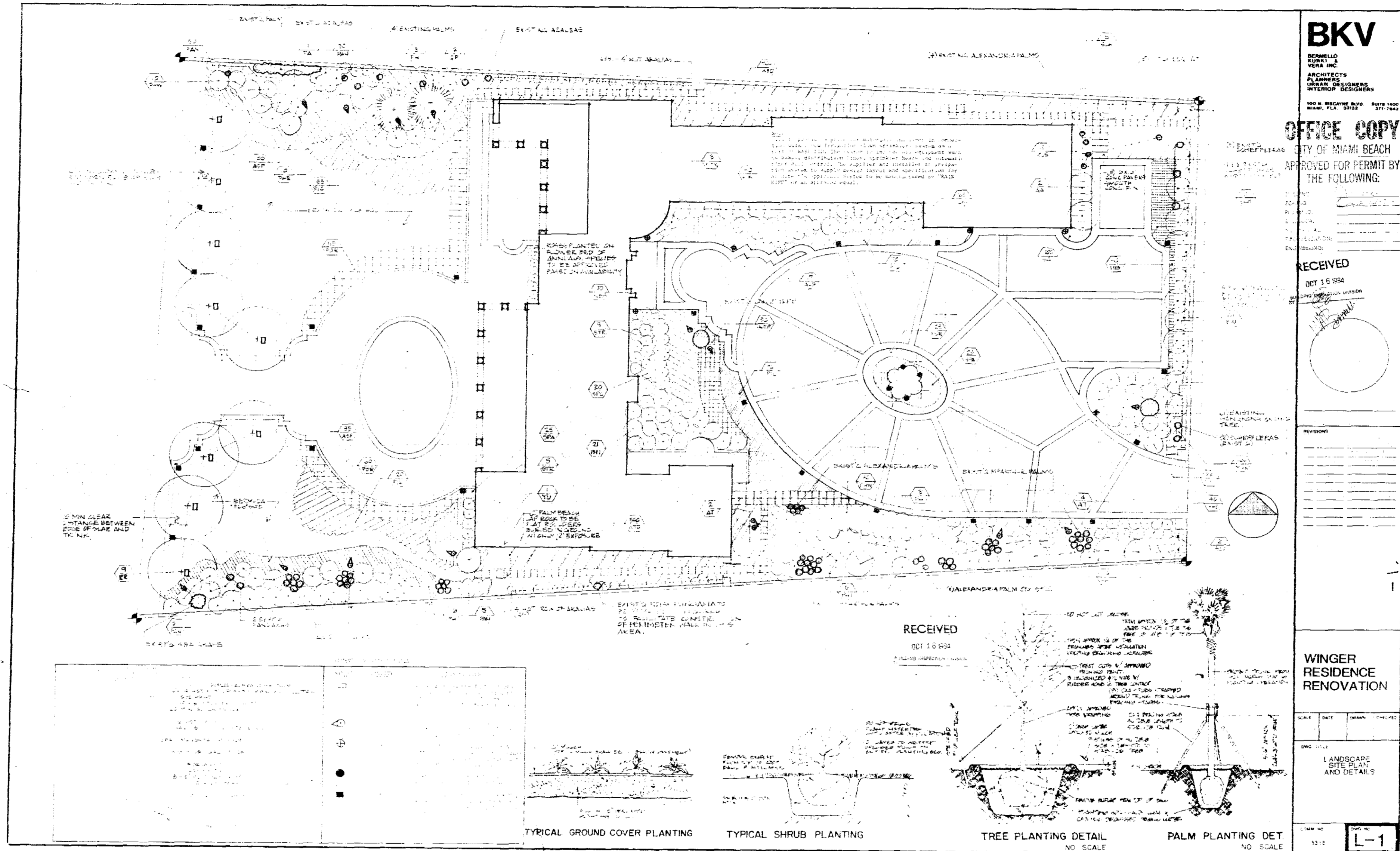
**BKV** BERMELO, KURKI AND VERA, INC.  
ARCHITECTS, PLANNERS, URBAN AND INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1405 MIAMI, FLORIDA 33132 (305) 371-7942

MANUEL PEREA, INC.  
ELECTRICAL ENGINEERS  
1421 PONCE DE LEON BLVD.  
CORAL GABLES, FL 33134 (305) 443-1309

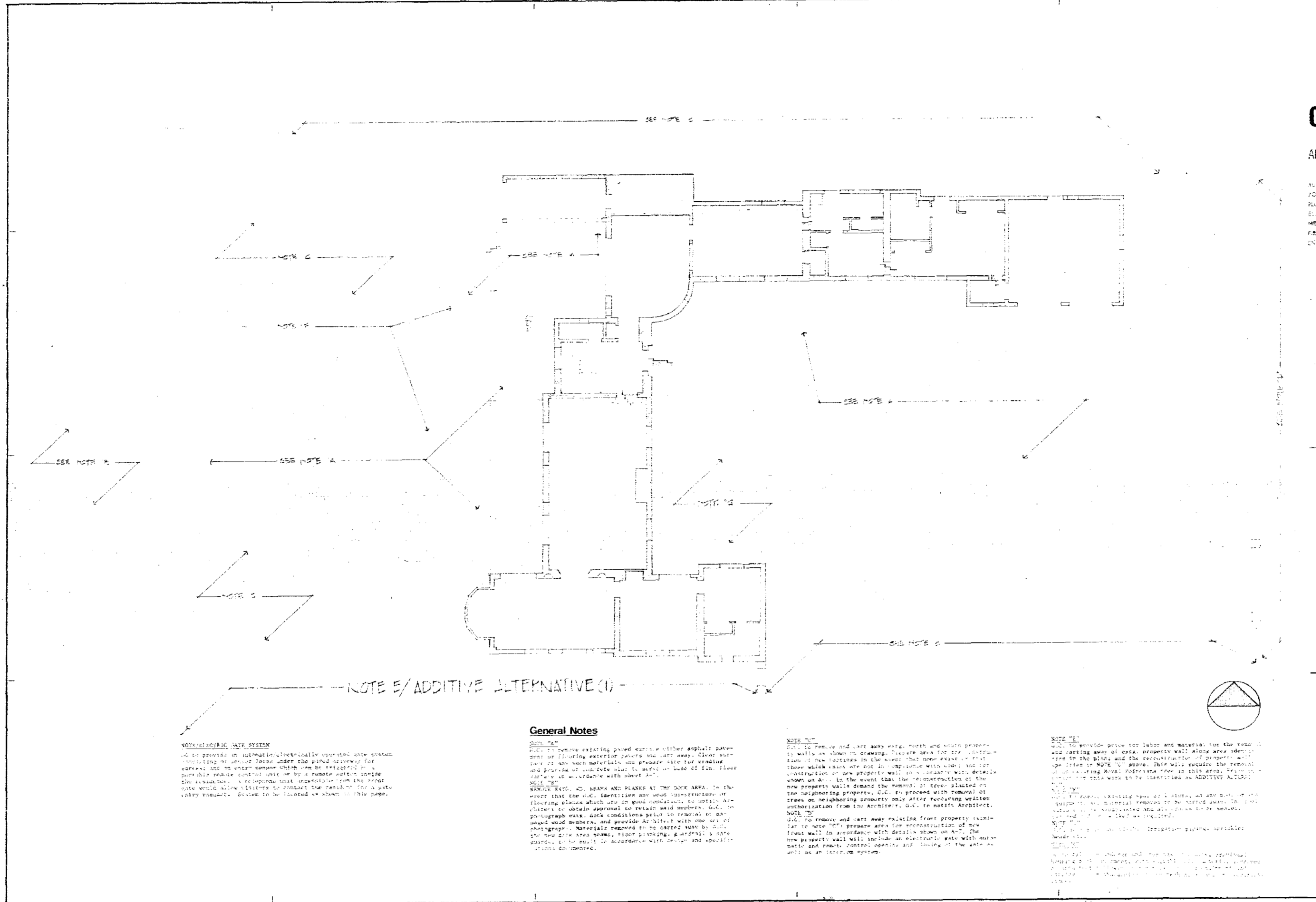
BREITERMAN JURADO AND ASSOCIATES  
CONSULTING ENGINEERS  
430 SOUTH DIXIE HIGHWAY  
CORAL GABLES, FL 33146 (305) 667-7464

**91424**





91424



**BKV**  
 BERMELO  
 KIRK  
 VERA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 N. BISCAYNE BLVD. SUITE 1000  
 MIAMI, FL. 33132 311-7882

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 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

PROJECT: \_\_\_\_\_  
 ZONING: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE/PROTECTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_

**RECEIVED**  
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 BUILDING DEPARTMENT DIVISION

REVISIONS:


**WINGER  
 RESIDENCE  
 RENOVATION**

SCALE	DATE	DRAWN	CHECKED
AS SHOWN			

DWG TITLE  
**EXISTING DEMOLITION**  
 SITE PLAN

COMM NO: 8315      DWG NO: **A-1**

**General Notes**

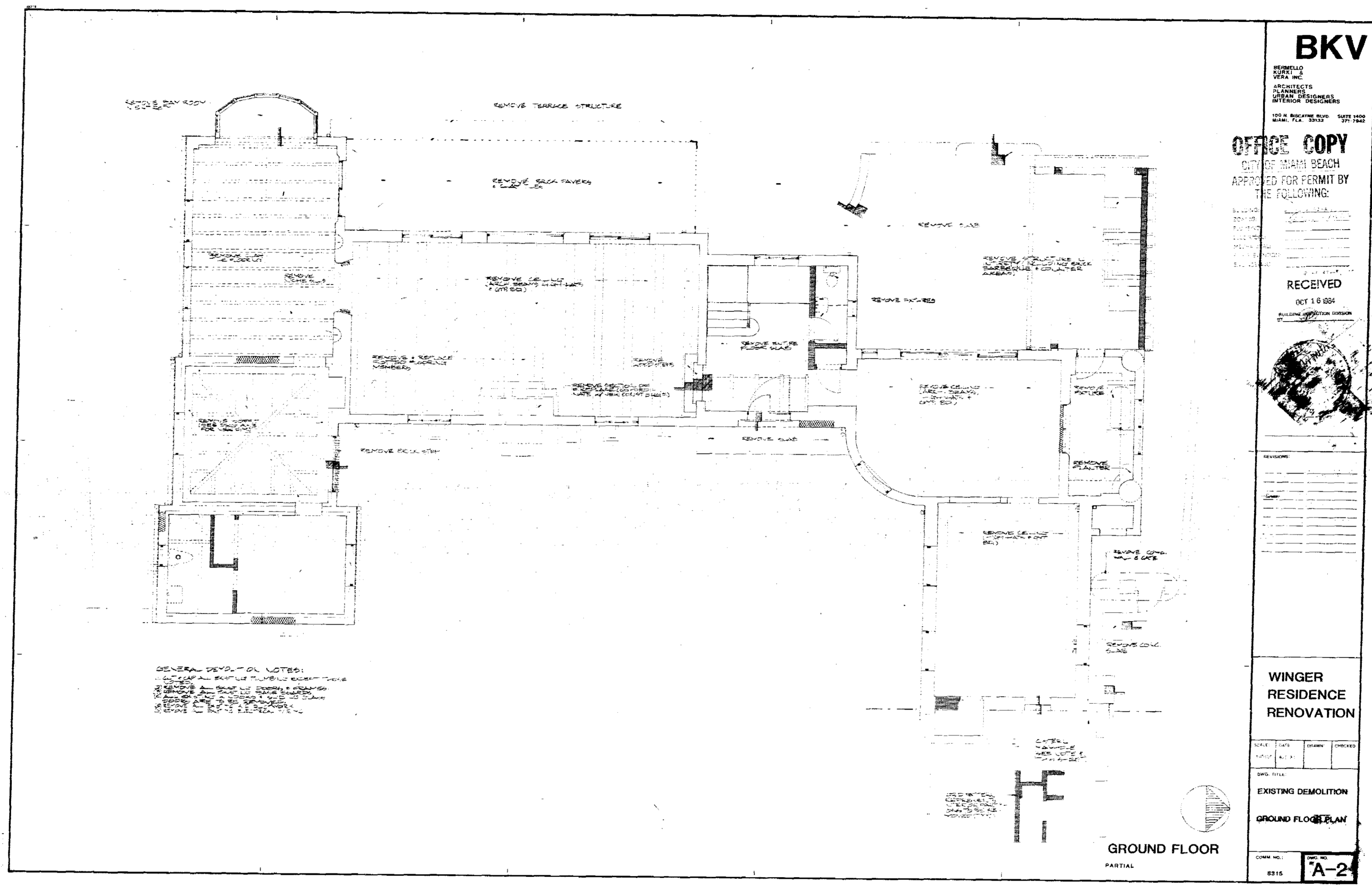
**EXISTING WIRE SYSTEM**  
 TO BE PROVIDED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS.

**NOTE 1:**  
 REMOVE EXISTING PAVED DRIVE AND ASPHALT DRIVE AND RECONSTRUCT DRIVE AND ASPHALT DRIVE IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL DRIVE AND ASPHALT DRIVE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL DRIVE AND ASPHALT DRIVE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS.

**NOTE 2:**  
 REMOVE EXISTING EXTERIOR WALLS AND RECONSTRUCT EXTERIOR WALLS IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL EXTERIOR WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL EXTERIOR WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS.

**NOTE 3:**  
 REMOVE EXISTING EXTERIOR WALLS AND RECONSTRUCT EXTERIOR WALLS IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL EXTERIOR WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS. ALL EXTERIOR WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH CODES AND REGULATIONS.

**91424**



GENERAL DEVELOPMENT NOTES:  
 1. ALL EXISTING DIMENSIONS TO BE MAINTAINED UNLESS OTHERWISE NOTED.  
 2. REMOVE ALL EXISTING WALLS, CEILING, FLOORING, AND FINISHES IN ALL AREAS TO BE DEMOLISHED.  
 3. REMOVE ALL EXISTING DOORS AND WINDOWS IN ALL AREAS TO BE DEMOLISHED.  
 4. REMOVE ALL EXISTING STAIRS AND ELEVATORS IN ALL AREAS TO BE DEMOLISHED.  
 5. REMOVE ALL EXISTING TERRACE AND PATIO AREAS.

GROUND FLOOR  
 PARTIAL

**BKV**

BURRILLO  
 VERA, INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 N. BISCAYNE BLVD. SUITE 1400  
 MIAMI, FL 33132 371-7942

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

NAME:	
DATE:	
TIME:	
SIGNATURE:	
TITLE:	
DEPARTMENT:	
ADDRESS:	
PHONE:	

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BUILDING INSPECTION DIVISION



REVISIONS:

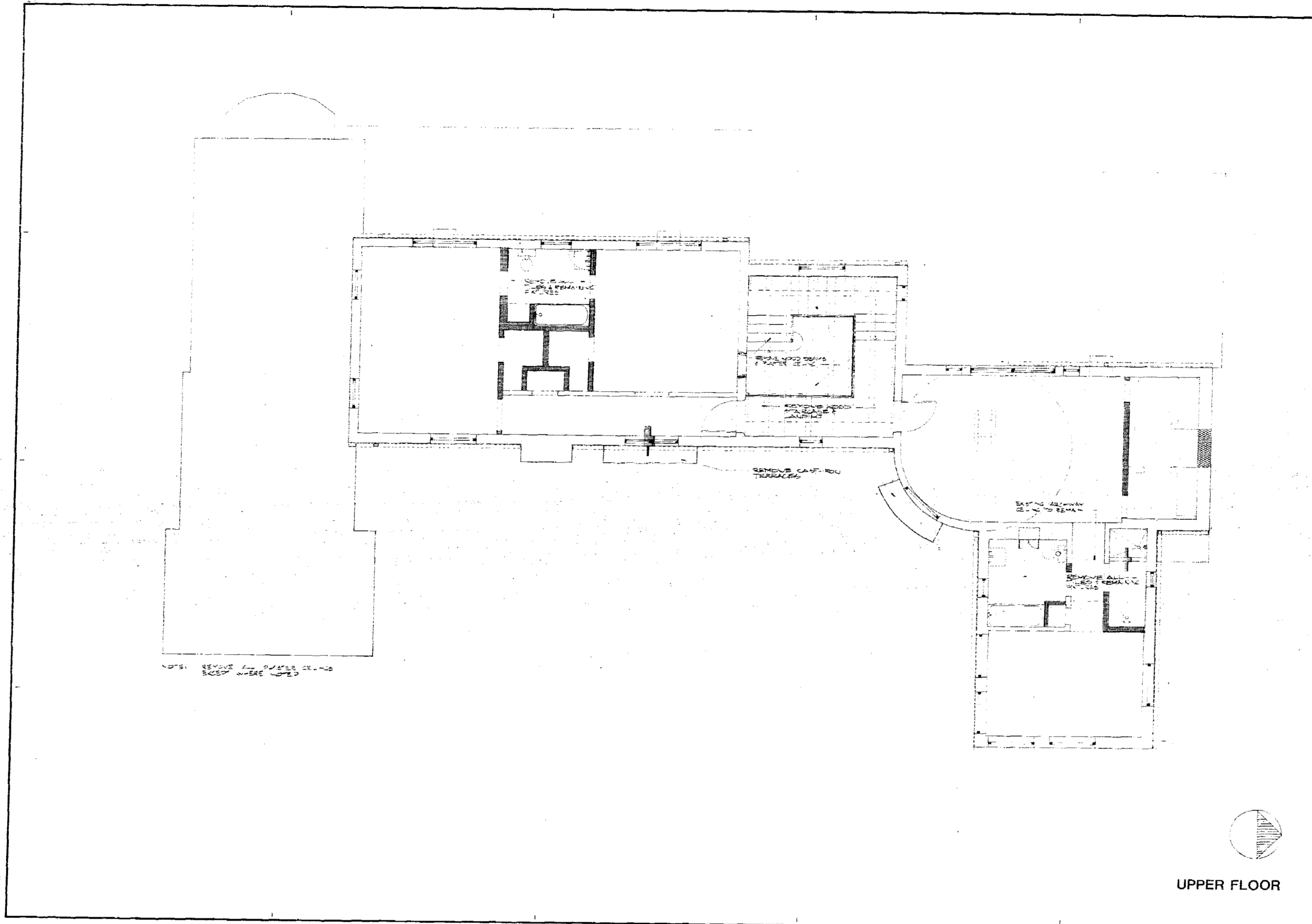
WINGER  
 RESIDENCE  
 RENOVATION

SCALE:	DATE:	DRAWN:	CHECKED:
AS SHOWN:	10/16/84:	ALB:	ALB:

DWG. TITLE:  
 EXISTING DEMOLITION  
 GROUND FLOOR PLAN

COMM. NO.:	DWG. NO.:
8315	A-2

91424



NOTES: REMOVE ALL PARTS OF THE EXISTING WORK UNLESS NOTED

UPPER FLOOR

**BKV**  
 BIRNELL  
 KURK  
 VEJA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 N. BISCAYNE BLVD. SUITE 1400  
 MIAMI, FL 33132  
 PHONE 305-371-1942

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 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

SUBMITTED BY: \_\_\_\_\_  
 ZONING: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PREVENTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_

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 OCT 16 1984  
 BUILDING DEPARTMENT  
 BY: \_\_\_\_\_

REVISIONS:

SCALE	DATE	DRAWN	CHECKED
AS SHOWN	10/11/84		

PROJECT TITLE  
**WINGER RESIDENCE RENOVATION**

EXISTING DEMOLITION  
 SECOND FLOOR PLAN

COMMITTEE NO. 8516 DRAWING NO. **A-3**

**91424**

BKV

BURNELL  
KURKI &  
YERK INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
162 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FLA. 33137 377-7942

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

BUILDING	
PLUMBING	
ELECTRICAL	
Mechanical	
Fire Protection	
Other	

RECEIVED

OCT 16 1984

BUILDING PERMIT DIVISION

M. J. ...

---

REVISIONS:

NO.	DATE	DESCRIPTION

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WINGER  
RESIDENCE  
RENOVATION

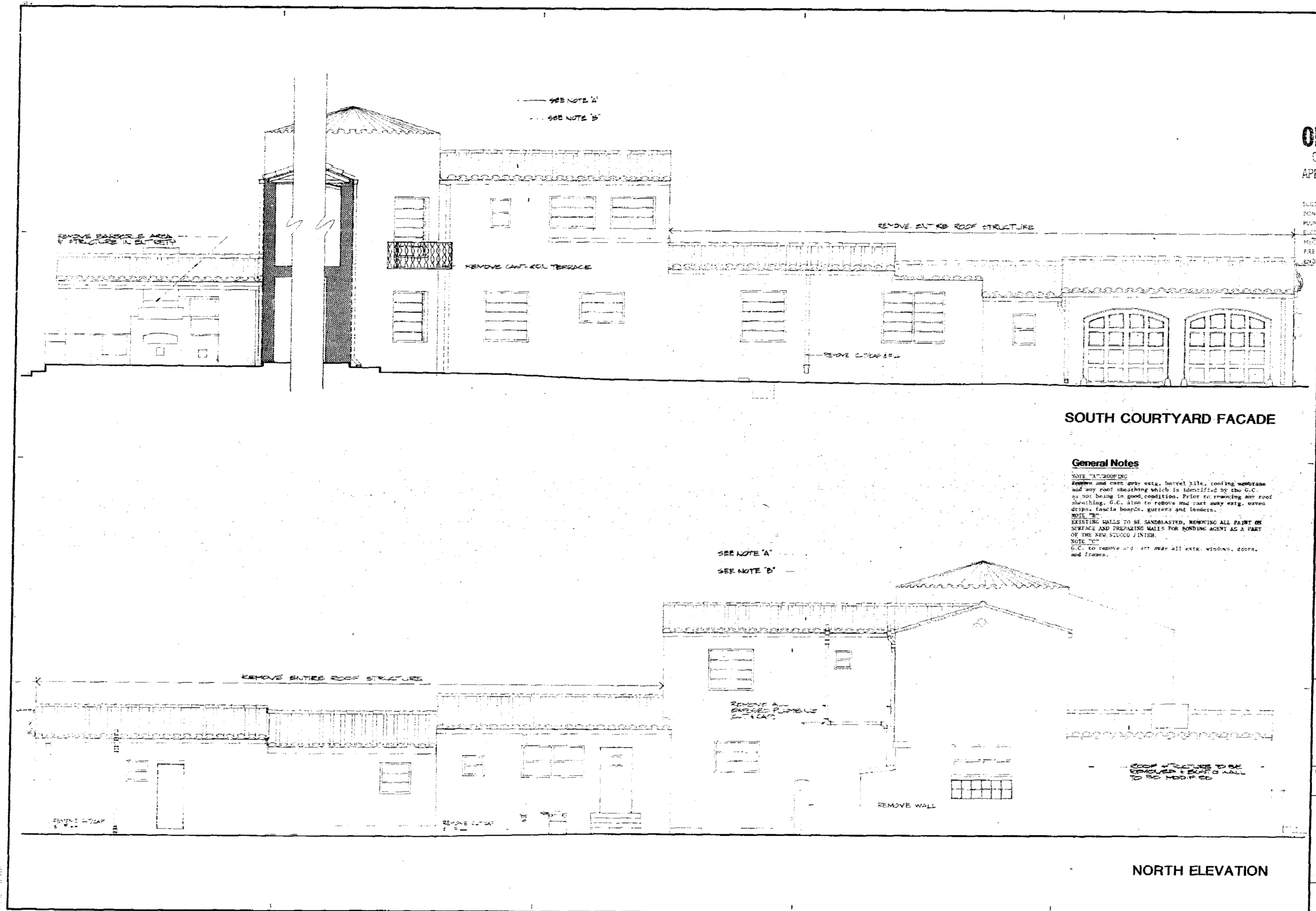
SCALE	DATE	DRAWN	CHECKED

THIS TITLE

EXISTING DEMOLITION  
EAST & WEST  
ELEVATIONS

DRAW NO.	DWG. NO.
9315	A-4

91424



**SOUTH COURTYARD FACADE**

**General Notes**  
 NOTE "A" ROOFING  
 Supply and install corr. mtl. barrel tile, roofing membrane and any roof sheathing which is identified by the G.C. as not being in good condition. Prior to removing any roof sheathing, G.C. also to remove and cart away ext. wires, pipes, fascia boards, gutters and downspouts.  
 NOTE "B"  
 EXISTING WALLS TO BE SANDBLASTED, REMOVING ALL PAINT OR COATINGS AND PREPARING WALLS FOR FINISHING WORK AS A PART OF THE NEW STUCCO FINISH.  
 NOTE "C"  
 G.C. to remove and cart away all ext. windows, doors, and trim.

**NORTH ELEVATION**

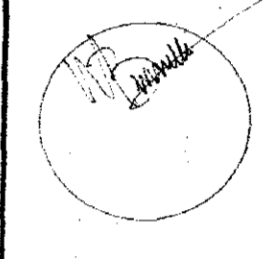
**BKV**

BERNARDO  
 KURIA  
 YUSA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS

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

BUILDING: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PREVENTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_

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 BUILDING PERMIT DIVISION



REVISIONS:

NO.	DATE	DESCRIPTION

**WINGER  
 RESIDENCE  
 RENOVATION**

SCALE	DATE	DRAWN	CHECKED

**EXISTING DEMOLITION**

**NORTH &  
 SOUTH COURTYARD  
 ELEVATIONS**

COMM. NO. \_\_\_\_\_  
 DATE NO. **A-5**  
 8315

**91424**

**SEE NOTE 'A'**  
**SEE NOTE 'B'**

REMOVES CLAY TILE ROOFING (INDICATED)

REMOVES BRICK FROM PORCH (INDICATED)

REMOVES BRICKS (INDICATED)

REMOVES COL. (INDICATED)

**NORTH COURTYARD FACADE**

**General Notes**  
NOTE "A"/ROOFING  
REMOVE ALL CLAY TILE ROOFING, BARRIERS, FLASHING, GUTTERS AND DOWNSPUTTERS WHICH IS IDENTIFIED BY THE C.C. AS NOT BEING IN GOOD CONDITION. PRIOR TO REMOVING ANY ROOF SHEATHING, ALSO TO REMOVE AND CART AWAY ROOF GABLES, DRAINS, FASCIA BOARDS, GUTTERS AND LEADERS.  
NOTE "B"  
EXISTING WALLS TO BE SANDBLASTED, REMOVING ALL PAINT OR SURFACE AND PREPARING WALLS FOR BRICKING AGENT AS A PART OF THE NEW BRICK FINISH.  
NOTE "C"  
CALL FOR REMOVE AND CART AWAY ALL EXIST. WINDOWS, DOORS AND FRAMES.

**SEE NOTE 'A'**  
**SEE NOTE 'B'**

**SOUTH ELEVATION**

**GROUND FLOOR**  
PARTIAL, SERVICE TRACT

**BKV**  
BERNELLO  
KURKI &  
VEGA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FL 33132

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

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BUILDING DEPARTMENT DIVISION

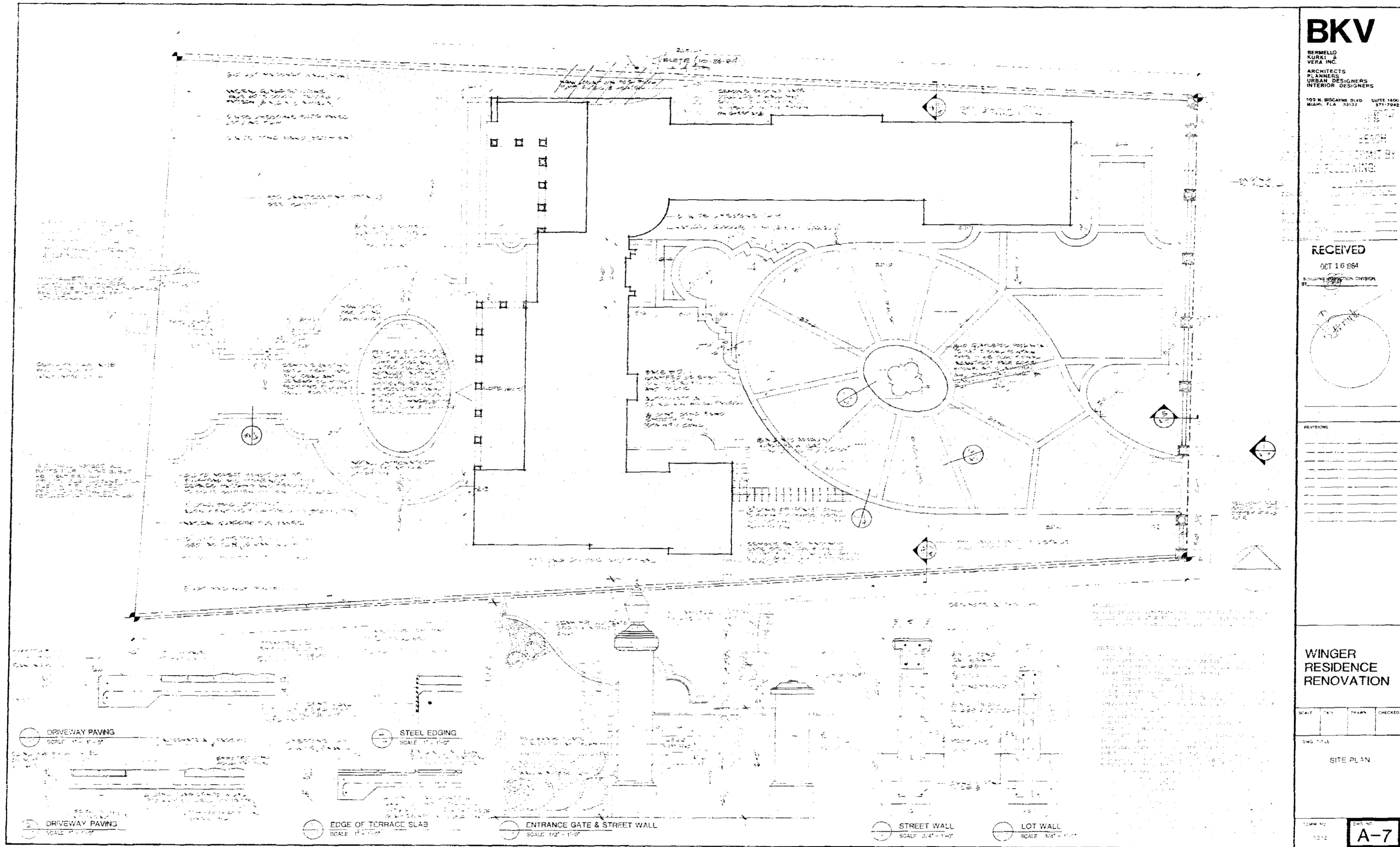
**WINGER  
RESIDENCE  
RENOVATION**

SCALE: DATE: DRAWN: CHECKED:  
DATE: 05.14

DWG. TITLE  
**EXISTING DEMOLITION  
ELEVATIONS/PARTIAL  
GROUND FLOOR PLAN**

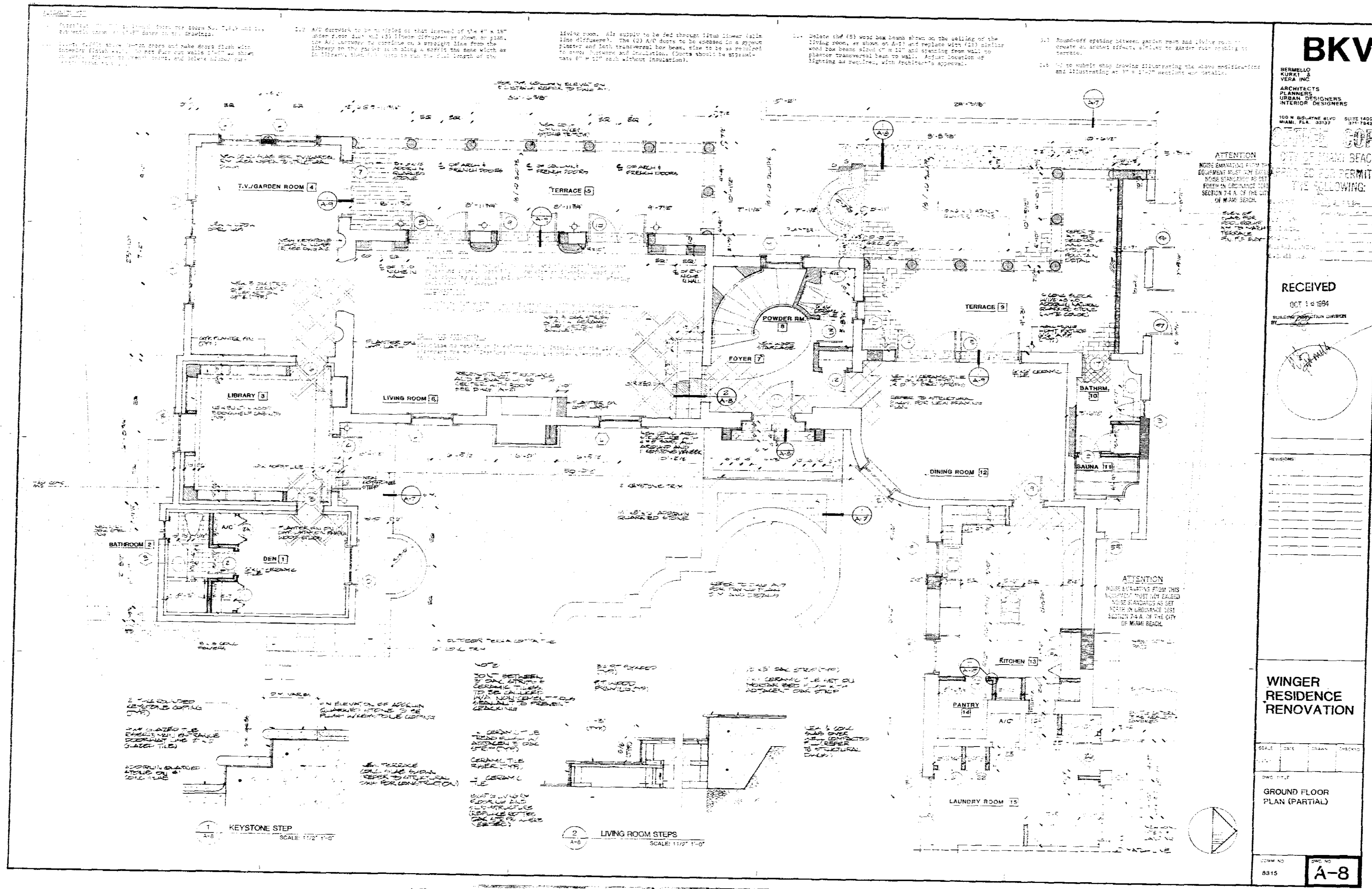
COMM. NO.: 8318 DWG. NO.: **A-6**

**91424**



**91424**





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KURTA  
VEGA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS

100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FL 33137

ATTENTION  
MORE EXPLANATIONS FROM THE  
EQUIPMENT MUST BE OBTAINED  
FROM AN ENGINEER OR SEE  
SECTION 2.4.3 OF THE CODE  
OF MIAMI BEACH

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BUILDING DEPARTMENT DIVISION

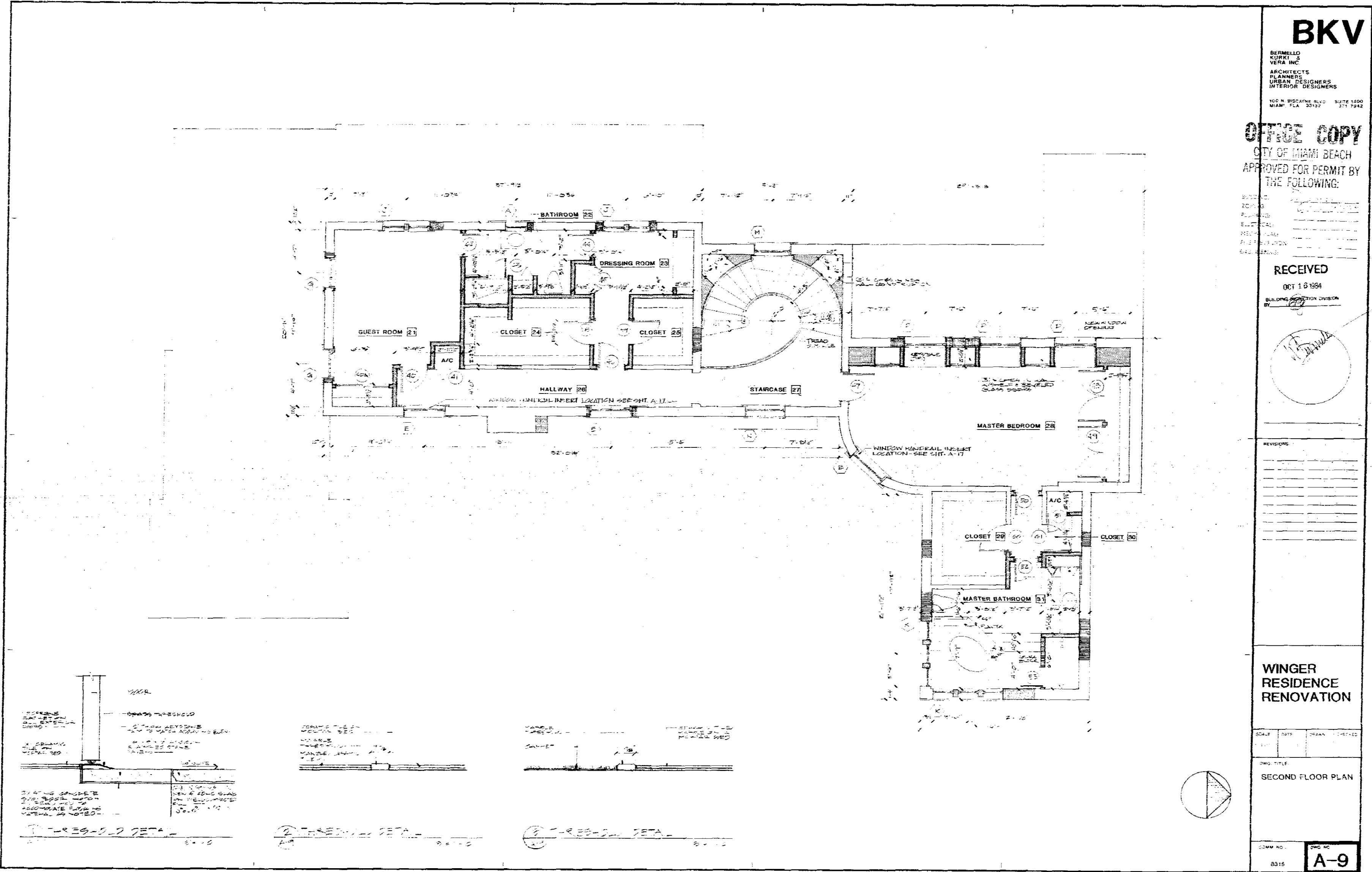
WINGER  
RESIDENCE  
RENOVATION

SCALE DATE DRAWN CHECKED

DWG NO. 11-F  
GROUND FLOOR  
PLAN (PARTIAL)

8315 **A-8**

**91424**



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BERNARD  
KORKE  
VERA INC  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FLA. 33132 375 7342

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

PROJECT NO. \_\_\_\_\_  
ZONING \_\_\_\_\_  
PLANNING \_\_\_\_\_  
ELECTRICAL \_\_\_\_\_  
MECHANICAL \_\_\_\_\_  
FIRE PROTECTION \_\_\_\_\_  
GENERAL \_\_\_\_\_

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BY \_\_\_\_\_



REVISIONS:

NO.	DATE	DESCRIPTION

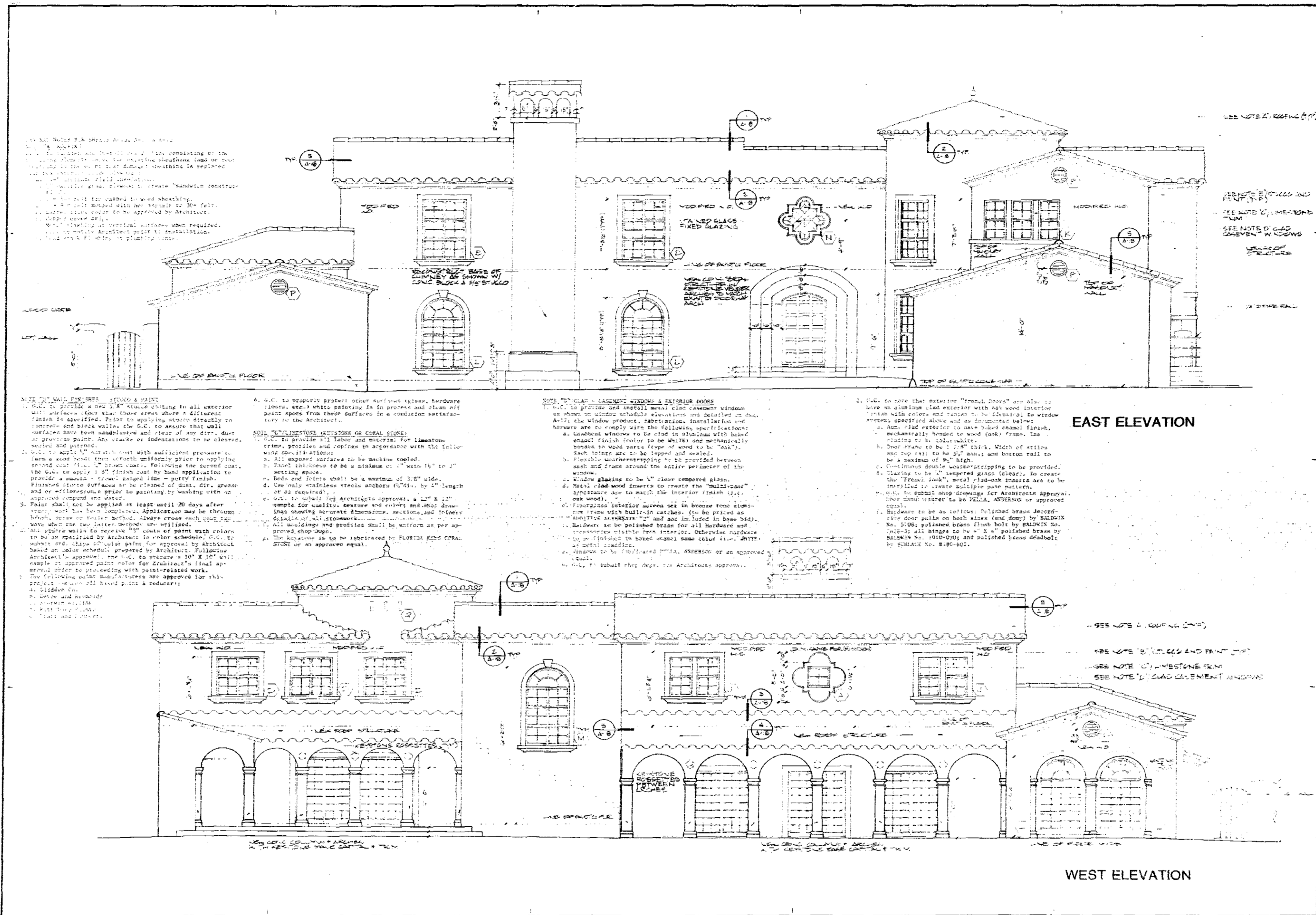
**WINGER  
RESIDENCE  
RENOVATION**

SCALE: DATE: DRAWN: CHECKED:

DWG. TITLE  
**SECOND FLOOR PLAN**

COMM. NO. 8315 DWG. NO. **A-9**

**91424**



SEE NOTE A, ROOFING (P. 10)  
 SEE NOTE B, WALLS AND PAINT (P. 11)  
 SEE NOTE C, WINDOWS AND DOORS (P. 12)  
 SEE NOTE D, CEILING (P. 13)  
 SEE NOTE E, FLOORING (P. 14)  
 SEE NOTE F, ELECTRICAL (P. 15)  
 SEE NOTE G, MECHANICAL (P. 16)  
 SEE NOTE H, PLUMBING (P. 17)  
 SEE NOTE I, FINISHES (P. 18)  
 SEE NOTE J, OTHER (P. 19)

**NOTE: WALL FINISHES - STUCCO & PAINT**  
 1. All exterior walls shall be finished with stucco and painted with a high quality exterior paint.  
 2. All interior walls shall be finished with a high quality interior paint.  
 3. All ceilings shall be finished with a high quality ceiling paint.  
 4. All floors shall be finished with a high quality floor finish.

**NOTE: WINDOWS AND DOORS**  
 1. All windows and doors shall be installed in accordance with the following specifications:  
 a. All windows shall be double-hung windows with a minimum height of 48 inches.  
 b. All doors shall be solid core doors with a minimum height of 80 inches.  
 c. All windows and doors shall be finished with a high quality paint.

**NOTE: CEILING FINISHES**  
 1. All ceilings shall be finished with a high quality ceiling paint.  
 2. All ceilings shall be finished with a high quality ceiling material.

**NOTE: FLOORING FINISHES**  
 1. All floors shall be finished with a high quality floor finish.  
 2. All floors shall be finished with a high quality floor material.

EAST ELEVATION

WEST ELEVATION

**BKV**  
 BERNELLO KURAI & VERA, INC.  
 ARCHITECTS PLANNERS URBAN DESIGNERS INTERIOR DESIGNERS  
 100 W. BISCAYNE BLVD. SUITE 1400 MIAMI, FLA. 33132 305-371-7443

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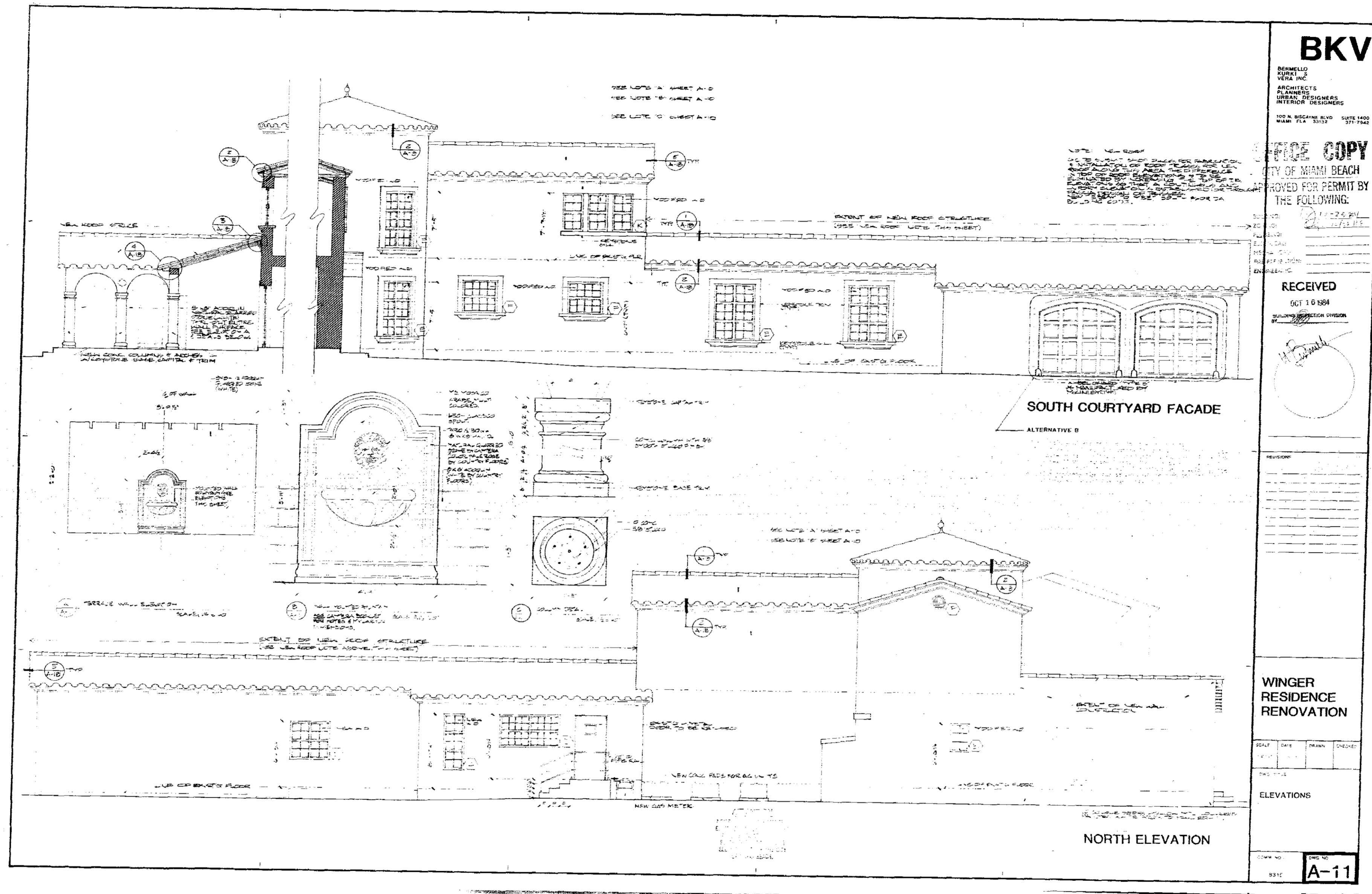
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 OCT 16 1984  
 BUILDING DEPARTMENT DIVISION

REVISIONS:

ELEVATIONS

NO. 10  
 55' E  
**A-10**

91424

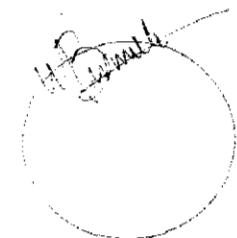


**BKV**

BERMELO  
MURRI  
VERA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 400  
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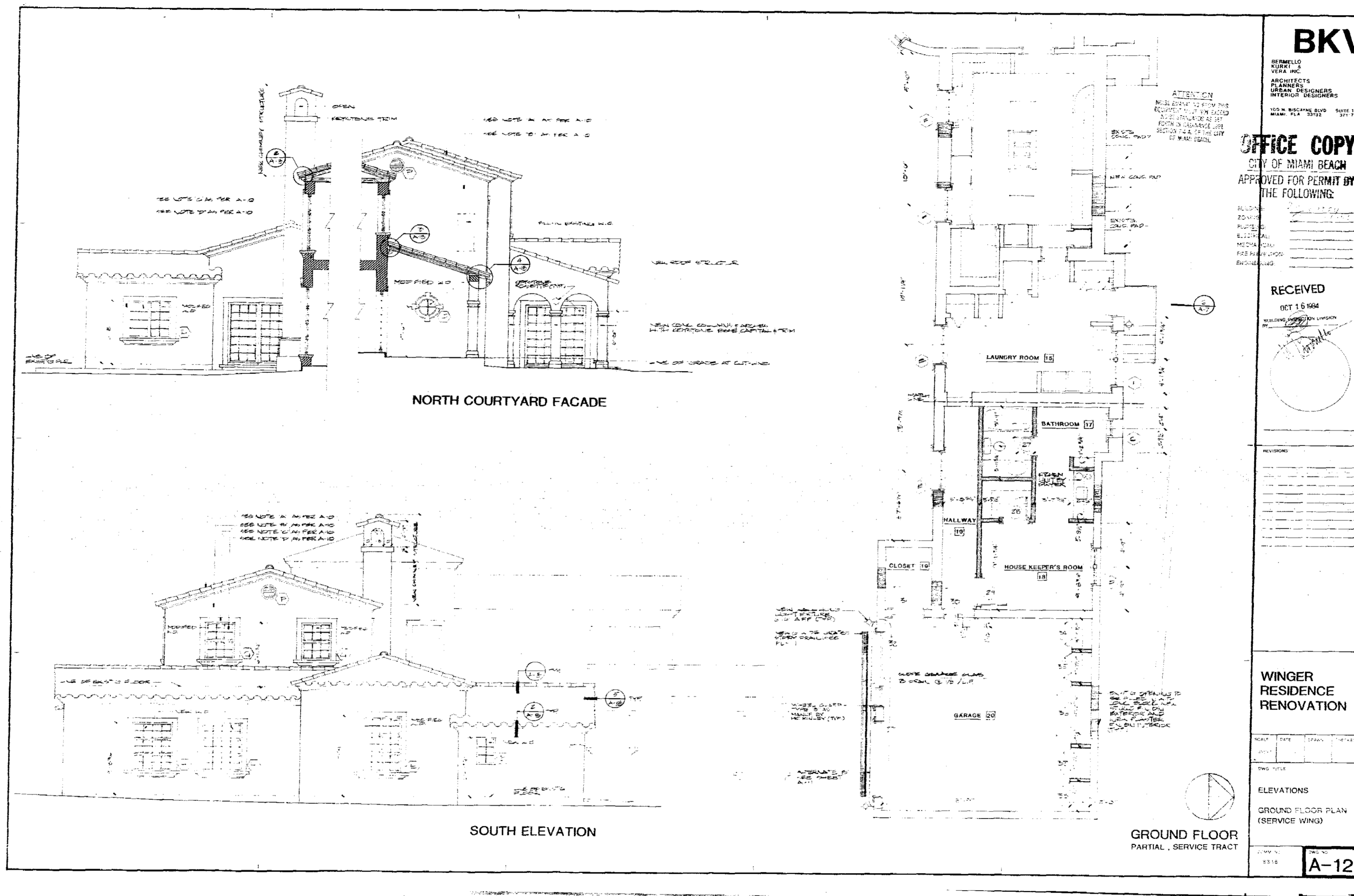
**WINGER RESIDENCE RENOVATION**

DATE	DATE	DRAWN	CHECKED

ELEVATIONS

831C **A-11**

**91424**



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BERMELLO  
KURKI &  
VERA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FLA. 33132 377 7942

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THE FOLLOWING:

BUILDING	
ZONING	
PLUMBING	
ELECTRICAL	
MEDIA/TELE	
FIRE/PAVE/PROP	
ENGINEERING	

RECEIVED

OCT 15 1984

RECEIVED BY: [Signature]

BY: [Signature]

[Circular stamp]

REVISIONS:

NO. DATE DRAWN CHECKED

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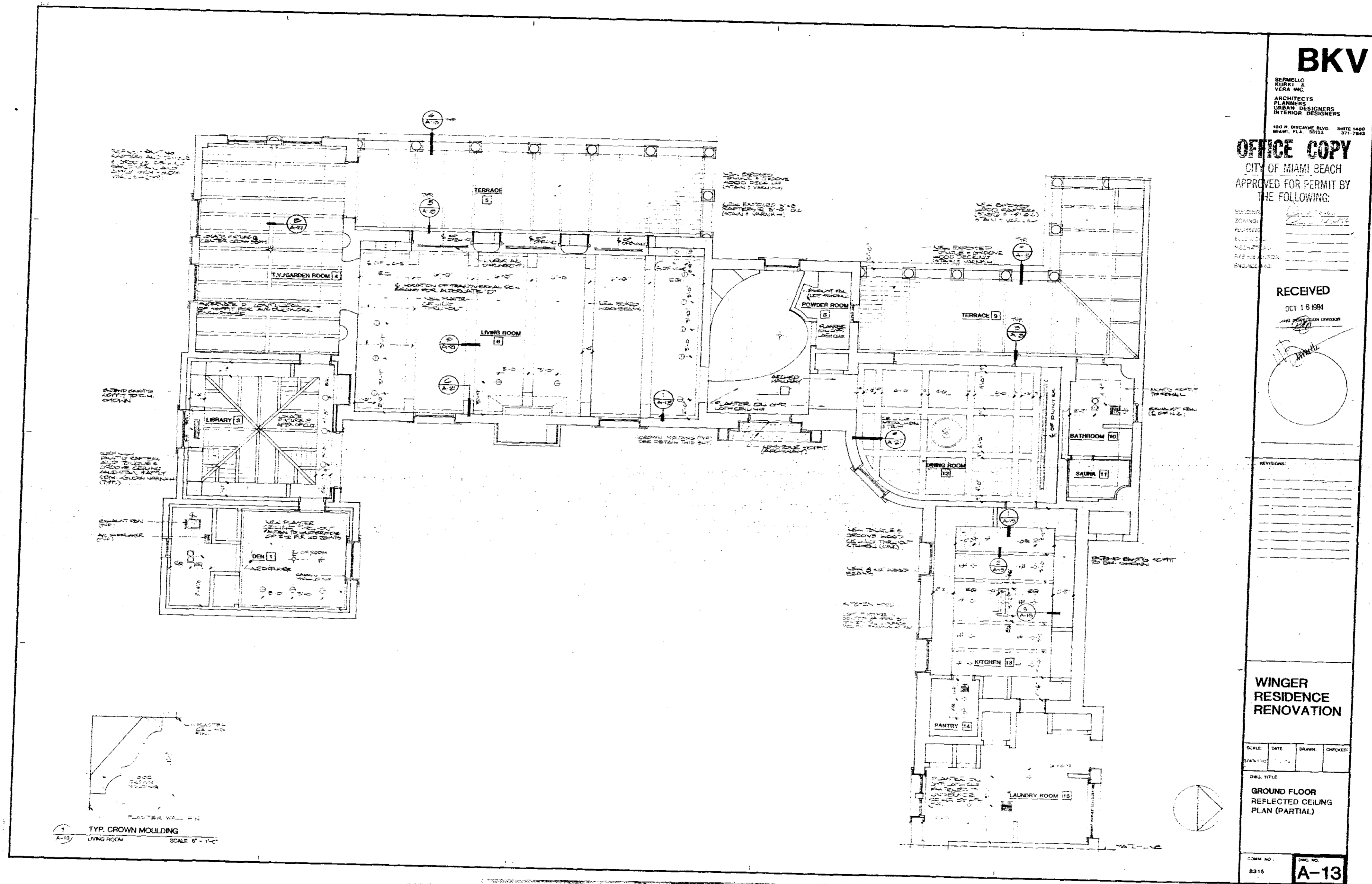
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**91424**



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BERMELO  
KURKI &  
VERA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 W. BISCAYNE BLVD. SUITE 1400  
MIAMI, FLA. 33133 DATE 10/01/04

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NAME \_\_\_\_\_  
TITLE \_\_\_\_\_  
OFFICE \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_  
STATE \_\_\_\_\_  
ZIP \_\_\_\_\_

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OCT 15 094

CITY OF MIAMI BEACH

PLANNING DEPARTMENT

RECEIVED

RECEIVED

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KURKI &  
VIEA, INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS

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MIAMI, FLA. 33131 377-1942

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APPROVED FOR PERMIT BY  
THE FOLLOWING:

BUILDING: \_\_\_\_\_  
ZONING: \_\_\_\_\_  
PLUMBING: \_\_\_\_\_  
ELECTRICAL: \_\_\_\_\_  
MECHANICAL: \_\_\_\_\_  
FIRE PROTECTION: \_\_\_\_\_  
ENGINEERING: \_\_\_\_\_

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OCT 19 1984

BUILDING DIVISION  
CITY OF MIAMI BEACH

REVISIONS:

NO.	DATE	DESCRIPTION

WINGER  
RESIDENCE  
RENOVATION

SCALE: \_\_\_\_\_ DATE: \_\_\_\_\_ DRAWN: \_\_\_\_\_ CHECKED: \_\_\_\_\_

PROJECT: \_\_\_\_\_

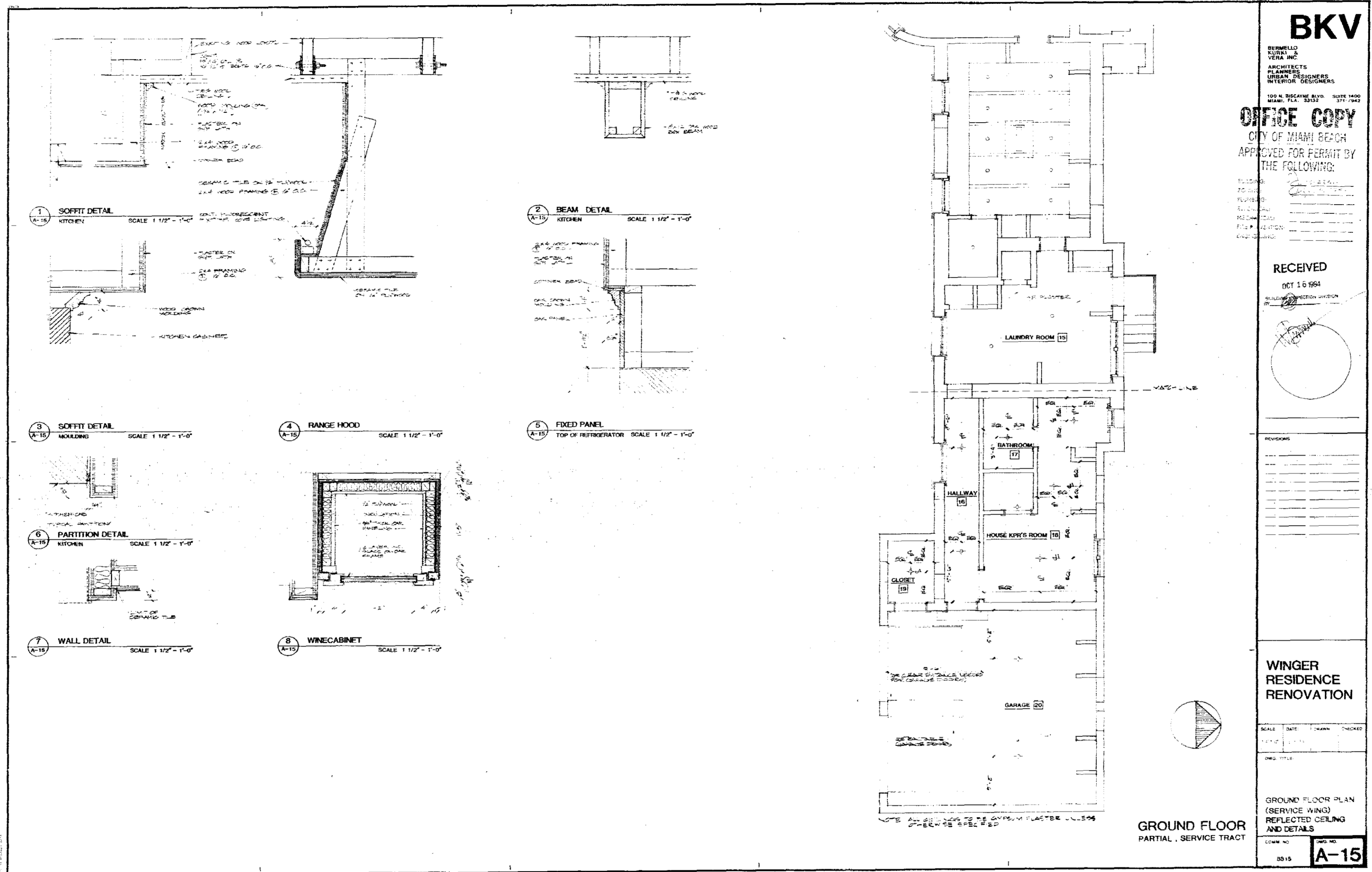
SECOND FLOOR PLAN  
REFLECTED CEILING

DRAWN BY: \_\_\_\_\_

SCALE: \_\_\_\_\_

NO. 10 A-14

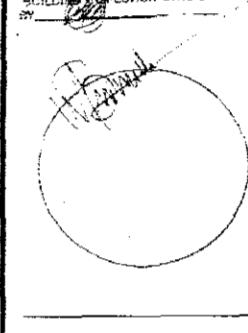
91424



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YERZA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
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APPROVED FOR PERMIT BY  
THE FOLLOWING:  
BUILDING: \_\_\_\_\_  
ZONING: \_\_\_\_\_  
PLANNING: \_\_\_\_\_  
RECORDING: \_\_\_\_\_  
FILE #/REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

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OCT 16 1994



REVISIONS

NO.	DESCRIPTION

WINGER  
RESIDENCE  
RENOVATION

SCALE	DATE	DRAWN	CHECKED

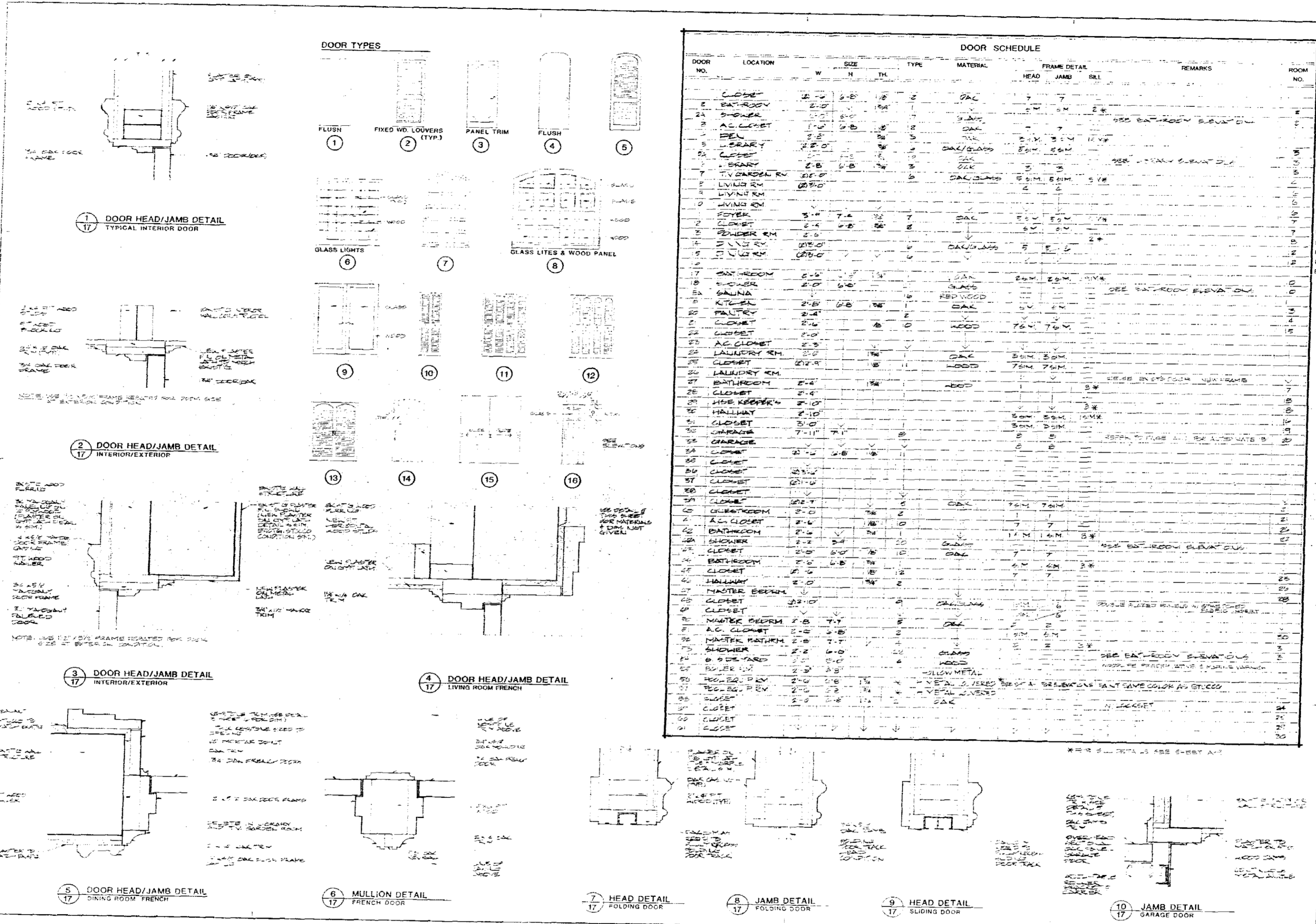
GROUND FLOOR PLAN  
(SERVICE WING)  
REFLECTED CEILING  
AND DETAILS

CDWM NO. \_\_\_\_\_  
DWG. NO. **A-15**  
0015

GROUND FLOOR  
PARTIAL, SERVICE TRACT

91424





DOOR SCHEDULE											
DOOR NO.	LOCATION	SIZE			TYPE	MATERIAL	FRAME DETAIL			REMARKS	ROOM NO.
		W	H	TH			HEAD	JAMB	SILL		
1	CLOSET	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
2	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
3	SHOWER	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
4	A.C. CLOSET	1'-0"	6'-8"	1 1/2"	2	OAK	7	7		SEE BATHROOM ELEVATION	
5	BEL	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
6	CLOSET	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
7	CLOSET	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
8	LIVING RM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
9	LIVING RM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
10	LIVING RM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
11	SHOWER	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
12	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
13	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
14	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
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94	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
95	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
96	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
97	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
98	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
99	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			
100	BATHROOM	2'-0"	5'-8"	1 1/2"	2	OAK	7	7			

**BKV**  
BERNARDI  
KORKE &  
VEGA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FL 33137 (305) 371-1942

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CITY OF MIAMI BEACH  
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THE FOLLOWING:

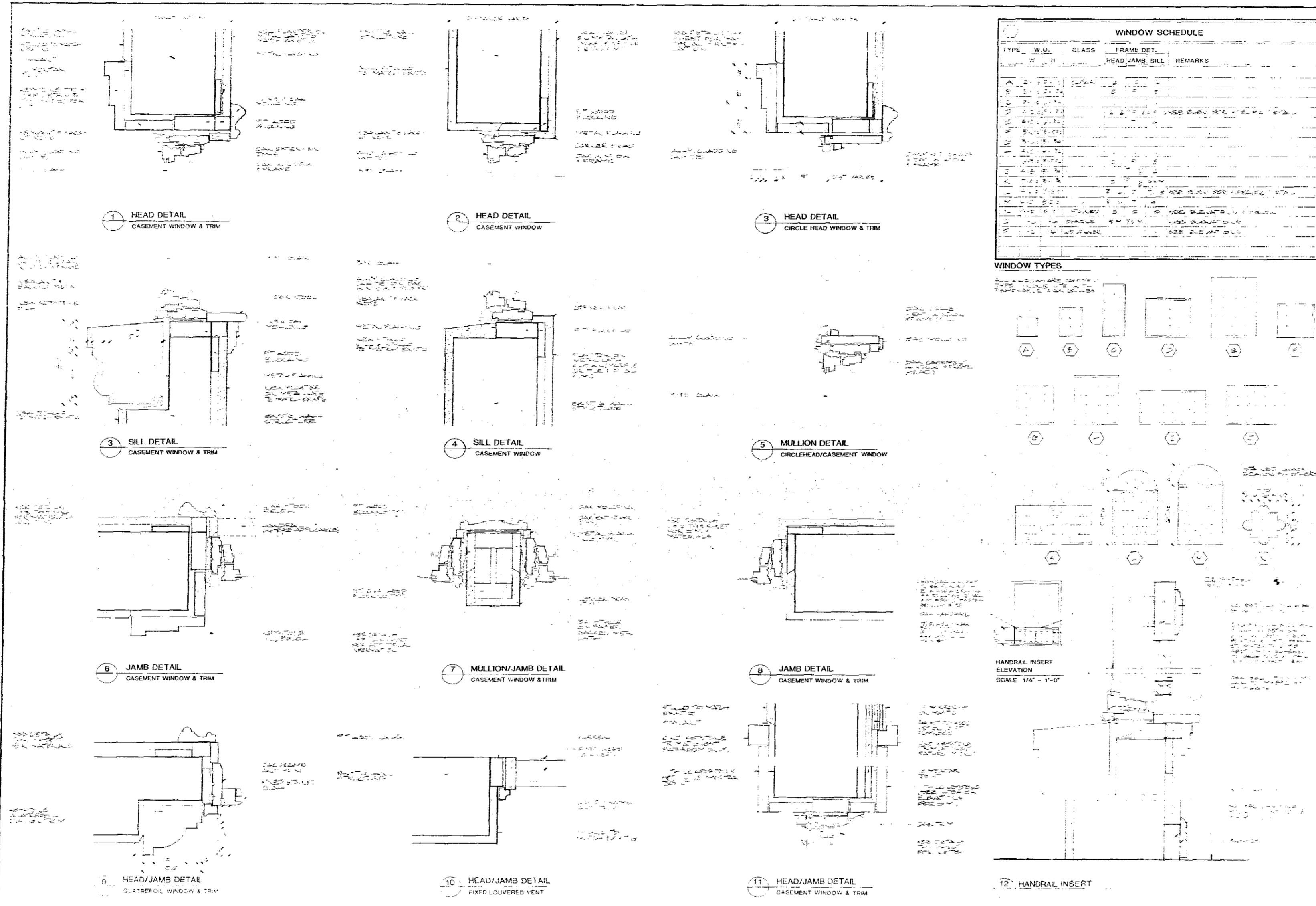
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OCT 18 1984

WINGER  
RESIDENCE  
RENOVATION

DOOR SCHEDULE  
AND DETAILS

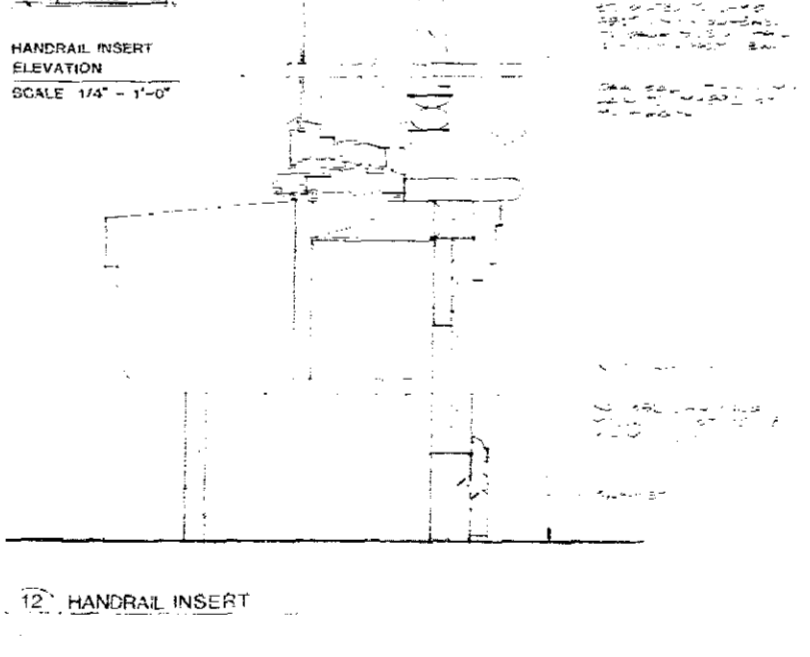
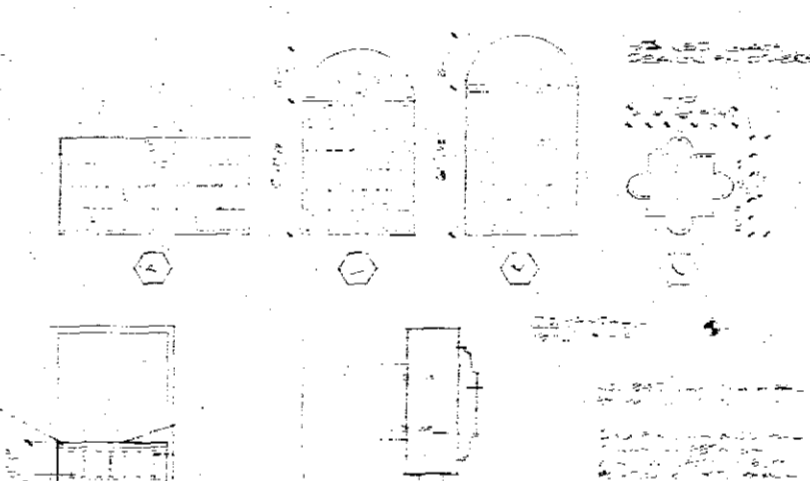
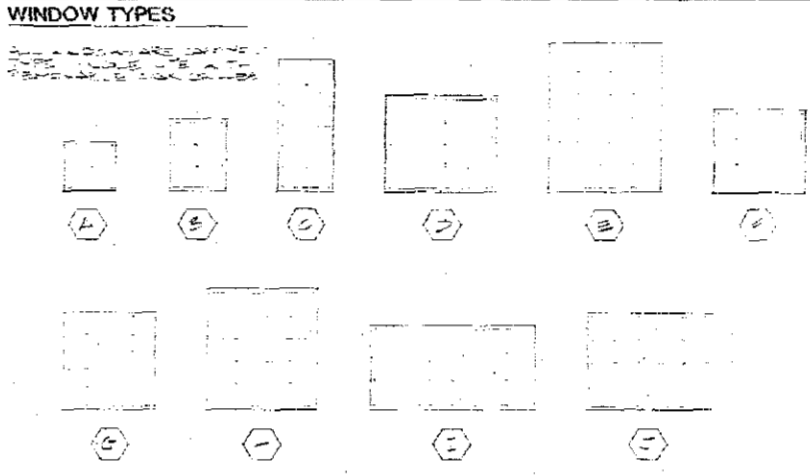
8315 **A-16**

91424



**WINDOW SCHEDULE**

TYPE	W.O.	GLASS	FRAME DET.	HEAD JAMB SILL	REMARKS
A	48	1/2"	WOOD		GLAZED WINDOW
B	48	1/2"	WOOD		FIXED LOUVERED VENT
C	48	1/2"	WOOD		CIRCLE HEAD WINDOW
D	48	1/2"	WOOD		CASEMENT WINDOW
E	48	1/2"	WOOD		CASEMENT WINDOW
F	48	1/2"	WOOD		CASEMENT WINDOW
G	48	1/2"	WOOD		CASEMENT WINDOW
H	48	1/2"	WOOD		CASEMENT WINDOW
I	48	1/2"	WOOD		CASEMENT WINDOW
J	48	1/2"	WOOD		CASEMENT WINDOW
K	48	1/2"	WOOD		CASEMENT WINDOW
L	48	1/2"	WOOD		CASEMENT WINDOW
M	48	1/2"	WOOD		CASEMENT WINDOW
N	48	1/2"	WOOD		CASEMENT WINDOW
O	48	1/2"	WOOD		CASEMENT WINDOW
P	48	1/2"	WOOD		CASEMENT WINDOW
Q	48	1/2"	WOOD		CASEMENT WINDOW
R	48	1/2"	WOOD		CASEMENT WINDOW
S	48	1/2"	WOOD		CASEMENT WINDOW
T	48	1/2"	WOOD		CASEMENT WINDOW
U	48	1/2"	WOOD		CASEMENT WINDOW
V	48	1/2"	WOOD		CASEMENT WINDOW
W	48	1/2"	WOOD		CASEMENT WINDOW
X	48	1/2"	WOOD		CASEMENT WINDOW
Y	48	1/2"	WOOD		CASEMENT WINDOW
Z	48	1/2"	WOOD		CASEMENT WINDOW



**BKV**

BERMEJO  
KURTI &  
YEVA INC  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS

100 W. WASHINGTON BLVD. SUITE 1400  
MIAMI BEACH, FL 33139

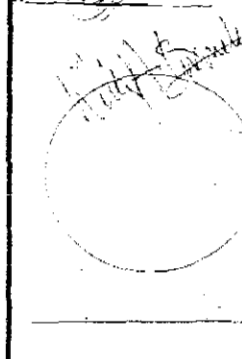
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CITY OF MIAMI BEACH  
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THE FOLLOWING:

BUILDING NO. \_\_\_\_\_  
JOB NO. \_\_\_\_\_  
SUBJECT \_\_\_\_\_  
DATE OF ISSUE \_\_\_\_\_  
DATE OF REVISION \_\_\_\_\_  
SCALE \_\_\_\_\_

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OCT 16 1984  
BUILDING DEPARTMENT DIVISION



REVISIONS  
NO. DESCRIPTION  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
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7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_

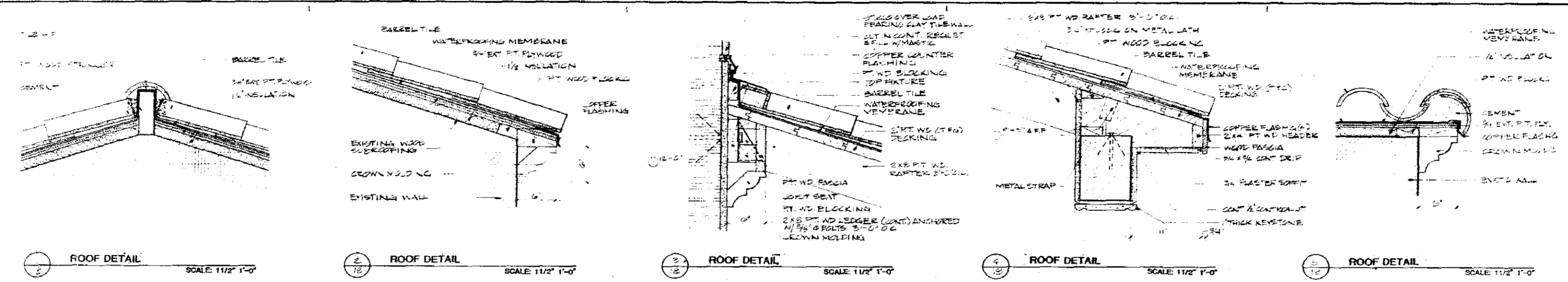
**WINGER  
RESIDENCE  
RENOVATION**

SCALE DATE DRAWN CHECKED

**WINDOW SCHEDULE  
AND DETAILS**

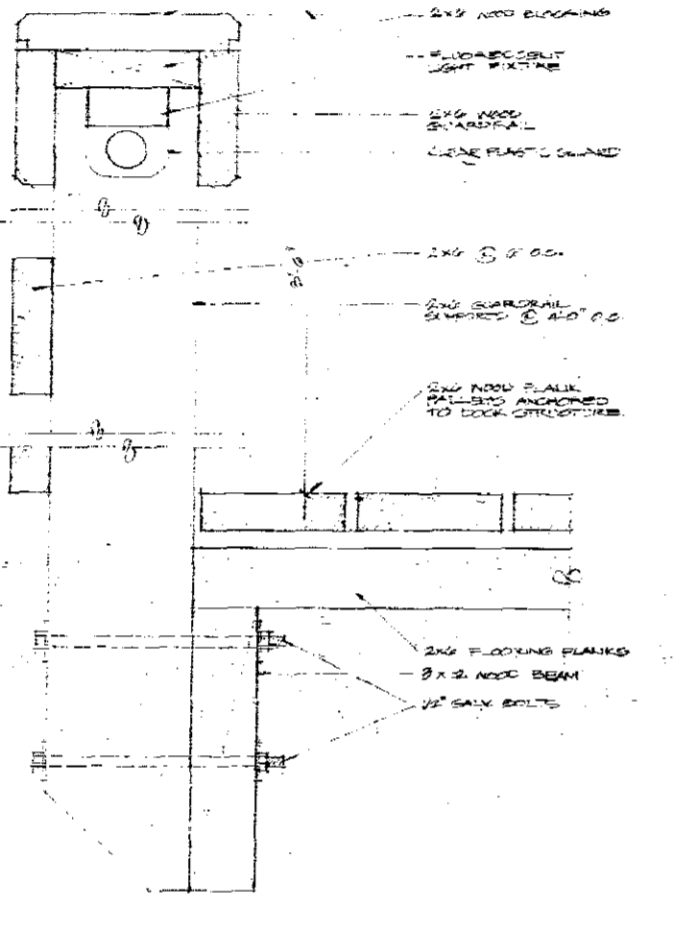
DRAW NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
9315 **A-17**

**91424**



**GENERAL NOTES**

1. All materials specified shall be of the best quality and conform to the latest specifications of the manufacturers.
2. All work shall be done in accordance with the latest edition of the International Building Code and the Miami Building Code.
3. All work shall be done in accordance with the latest edition of the Miami Building Code and the Miami Building Code.
4. All work shall be done in accordance with the latest edition of the Miami Building Code and the Miami Building Code.
5. All work shall be done in accordance with the latest edition of the Miami Building Code and the Miami Building Code.



GRAPH NUMBER	AUTH	OVERLA

**BKV**  
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100 N. W. REYNOLDS BLVD. SUITE 1000  
 MIAMI, FLA. 33132 371-7643

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BUILDING:	
PERMITS:	
ENGINEERING:	
INSPECTION:	

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BUILDING DEPARTMENT DIVISION  
 BY: [Signature]  
 DATE: [Blank]

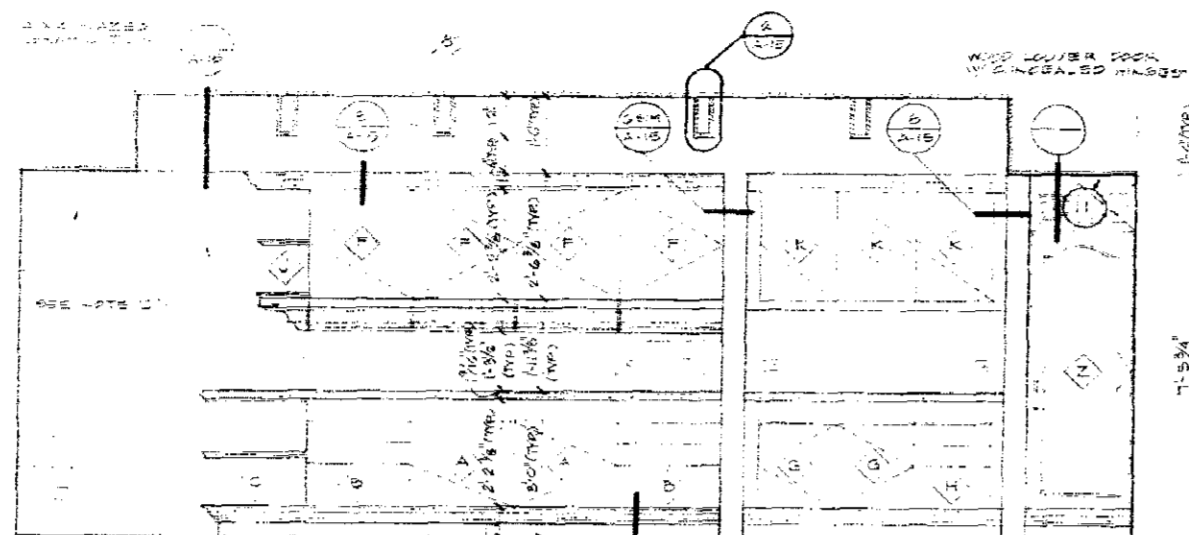
REVISIONS


**WINGER RESIDENCE RENOVATION**

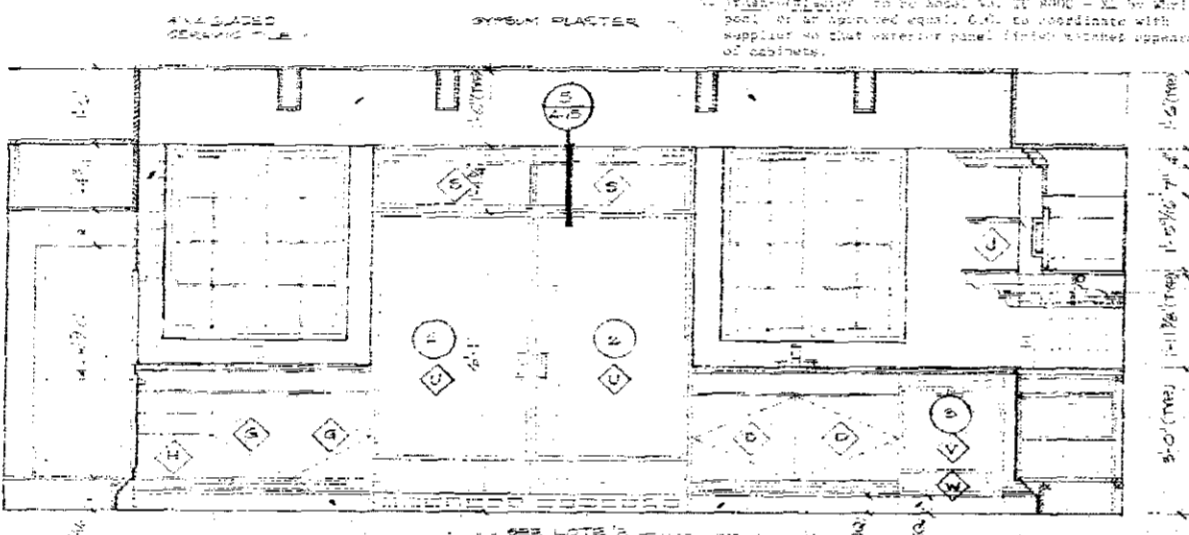
Date:		
By:		
Checked:		
Notes:		

DETAILS  
& GENERAL NOTES

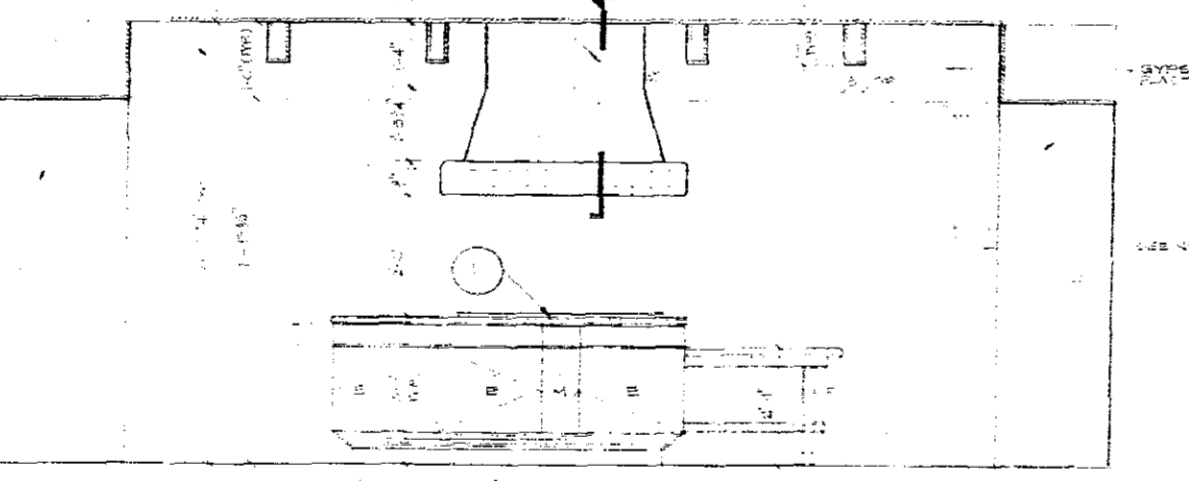
**91424**



1 NORTH ELEVATION  
A-19  
KITCHEN

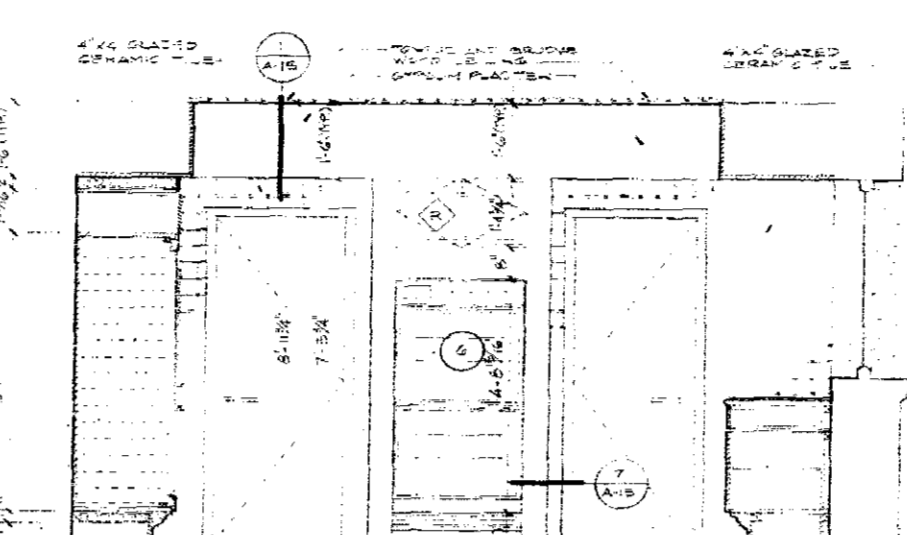


3 SOUTH ELEVATION  
A-19  
KITCHEN

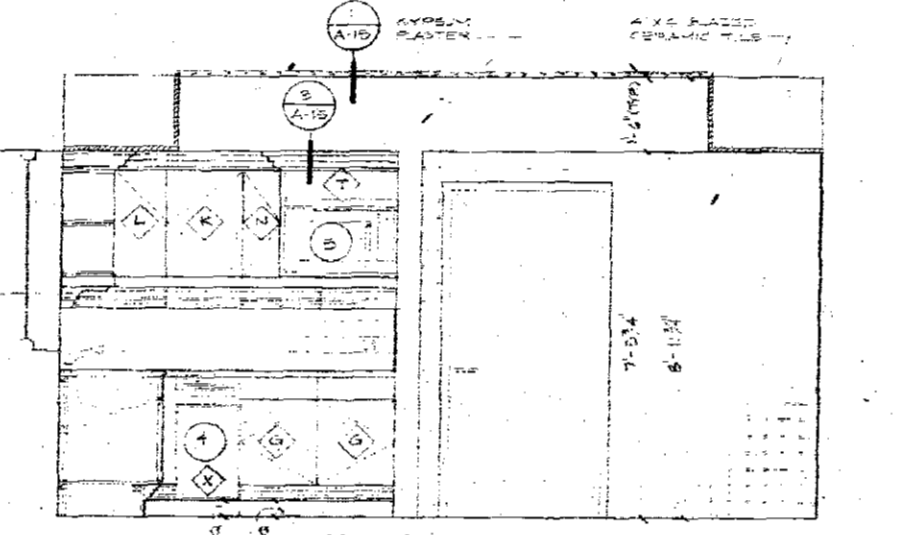


5 SOUTH ELEVATION  
A-19  
RANGE ISLAND & HOOD

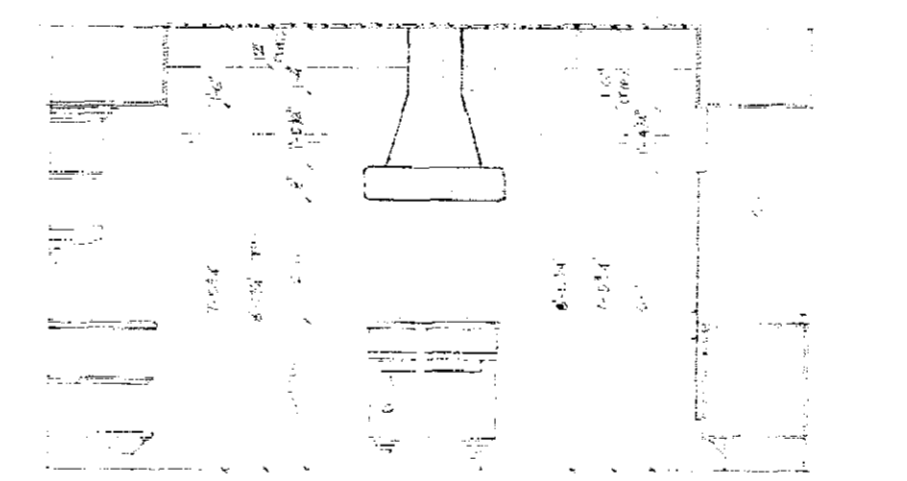
GENERAL NOTES:  
1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.  
2. SEE NOTES ON OTHER DRAWINGS FOR FINISHES AND MATERIALS.  
3. SEE NOTES ON OTHER DRAWINGS FOR APPLIANCE SCHEDULES.  
4. SEE NOTES ON OTHER DRAWINGS FOR LIGHTING SCHEDULES.  
5. SEE NOTES ON OTHER DRAWINGS FOR CEILING SCHEDULES.  
6. SEE NOTES ON OTHER DRAWINGS FOR FLOORING SCHEDULES.  
7. SEE NOTES ON OTHER DRAWINGS FOR WALL TREATMENTS.  
8. SEE NOTES ON OTHER DRAWINGS FOR DOOR AND WINDOW SCHEDULES.  
9. SEE NOTES ON OTHER DRAWINGS FOR STAIR SCHEDULES.  
10. SEE NOTES ON OTHER DRAWINGS FOR ELEVATION SCHEDULES.  
11. SEE NOTES ON OTHER DRAWINGS FOR SECTION SCHEDULES.  
12. SEE NOTES ON OTHER DRAWINGS FOR DETAIL SCHEDULES.  
13. SEE NOTES ON OTHER DRAWINGS FOR SPECIFICATION SCHEDULES.  
14. SEE NOTES ON OTHER DRAWINGS FOR CONTRACT SCHEDULES.  
15. SEE NOTES ON OTHER DRAWINGS FOR BILL OF MATERIALS SCHEDULES.  
16. SEE NOTES ON OTHER DRAWINGS FOR PRICE SCHEDULES.  
17. SEE NOTES ON OTHER DRAWINGS FOR ORDER SCHEDULES.  
18. SEE NOTES ON OTHER DRAWINGS FOR DELIVERY SCHEDULES.  
19. SEE NOTES ON OTHER DRAWINGS FOR INSTALLATION SCHEDULES.  
20. SEE NOTES ON OTHER DRAWINGS FOR MAINTENANCE SCHEDULES.



2 EAST ELEVATION  
A-19  
KITCHEN



4 WEST ELEVATION  
A-19  
KITCHEN



6 EAST ELEVATION  
A-19  
RANGE ISLAND & HOOD

KITCHEN CABINETS

NO.	LOCATION	TYPE OF CABINET	QTY.
A	100	DOOR	2
B	100	DOOR	2
C	100	DRAWERS	2
D	100	GRILL CORNER ELEMENT	1
E	100	SINK (NO TOP DRAWERS)	1
F	100	RANGE ISLAND PANEL	1
G	100	DOOR	2
H	100	DOOR	2
I	100	DRAWERS	2
J	100	GRILL CORNER ELEMENT	1
K	100	DOOR	2
L	100	DOOR	2
M	100	CORNER UNIT	1
N	100	RANGE ISLAND PANEL	1
O	100	DOOR	2
P	100	RANGE ISLAND PANEL	1
Q	100	RANGE ISLAND PANEL	1
R	100	RANGE ISLAND PANEL	1
S	100	RANGE ISLAND PANEL	1
T	100	RANGE ISLAND PANEL	1

SPECIAL

NO.	LOCATION	DESCRIPTION	QTY.
P	100	TABLE ATTACHED TO RANGE ISLAND	1
Q	100	CABINET DOOR	2
R	100	DOOR	2
T	100	DOOR	2

FACE PANELS FOR APPLIANCES

NO.	LOCATION	DESCRIPTION	QTY.
U	100	REFRIGERATOR	1
V	100	REFRIGERATOR	1
W	100	REFRIGERATOR	1
X	100	REFRIGERATOR	1
Y	100	REFRIGERATOR	1

WINE CABINET / SPECIAL DOOR

NO.	LOCATION	DESCRIPTION	QTY.
Z	100	WINE CABINET	1

APPLIANCES

NO.	DESCRIPTION	MANUFACTURER	MODEL
1	REFRIGERATOR	KRISTAL	MC 178 BT
2	REFRIGERATOR	THEMADOR	MC 924
3	REFRIGERATOR	SUBZERO	SD 100
4	REFRIGERATOR	REFRIGERATOR	SD 100
5	REFRIGERATOR	REFRIGERATOR	SD 100
6	REFRIGERATOR	REFRIGERATOR	SD 100
7	REFRIGERATOR	REFRIGERATOR	SD 100
8	REFRIGERATOR	REFRIGERATOR	SD 100
9	REFRIGERATOR	REFRIGERATOR	SD 100
10	REFRIGERATOR	REFRIGERATOR	SD 100

SPECIAL INSERTS

NO.	DESCRIPTION	QTY.
1	REFRIGERATOR	1
2	REFRIGERATOR	1
3	REFRIGERATOR	1
4	REFRIGERATOR	1
5	REFRIGERATOR	1
6	REFRIGERATOR	1
7	REFRIGERATOR	1
8	REFRIGERATOR	1
9	REFRIGERATOR	1
10	REFRIGERATOR	1

NOTES:

1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.  
2. SEE NOTES ON OTHER DRAWINGS FOR FINISHES AND MATERIALS.  
3. SEE NOTES ON OTHER DRAWINGS FOR APPLIANCE SCHEDULES.  
4. SEE NOTES ON OTHER DRAWINGS FOR LIGHTING SCHEDULES.  
5. SEE NOTES ON OTHER DRAWINGS FOR CEILING SCHEDULES.  
6. SEE NOTES ON OTHER DRAWINGS FOR FLOORING SCHEDULES.  
7. SEE NOTES ON OTHER DRAWINGS FOR WALL TREATMENTS.  
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19. SEE NOTES ON OTHER DRAWINGS FOR INSTALLATION SCHEDULES.  
20. SEE NOTES ON OTHER DRAWINGS FOR MAINTENANCE SCHEDULES.

BKV

BERNARD  
KURK &  
VERA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FLA. 33132 305 371 7942

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RENOVATION

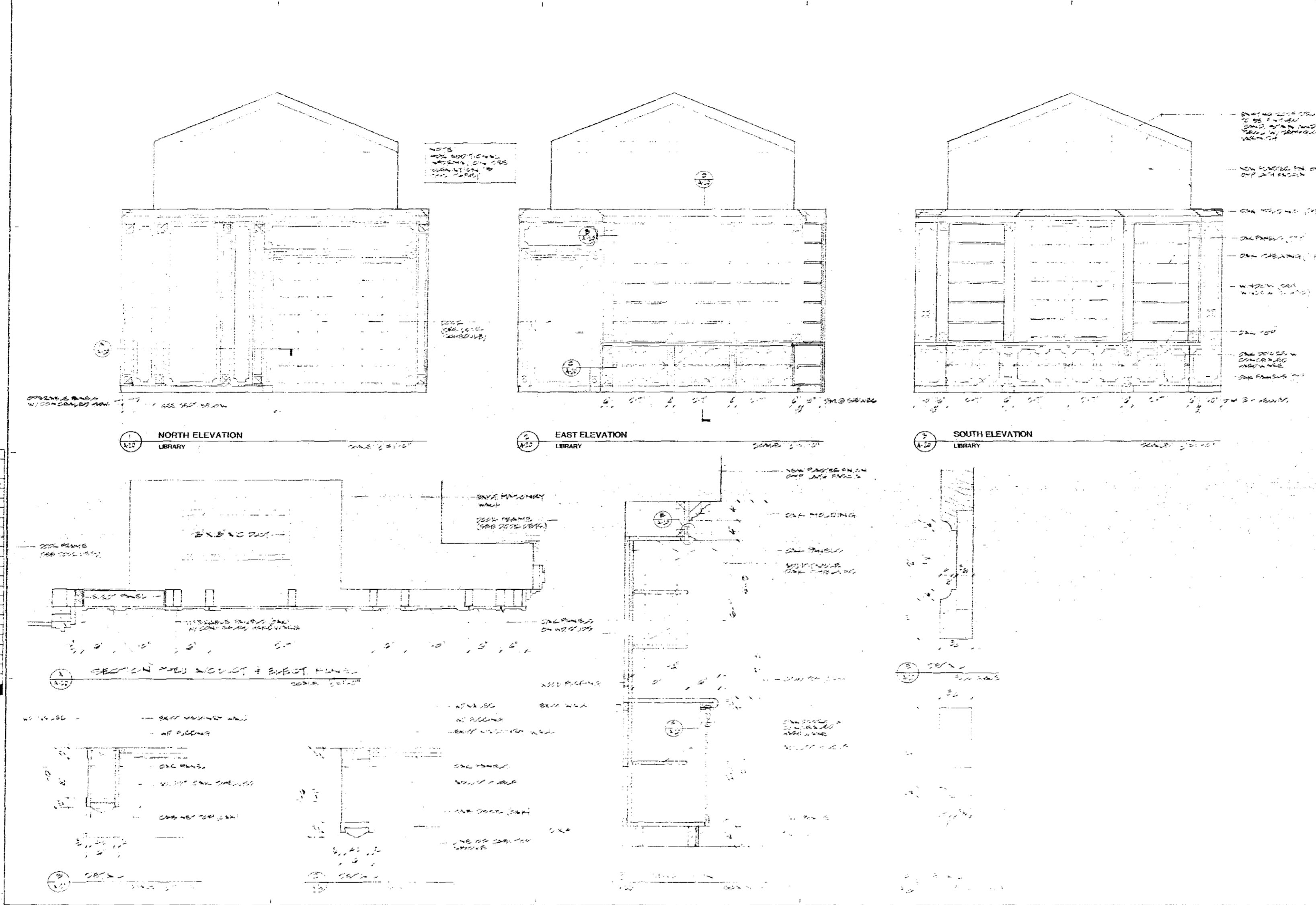
INTERIOR ELEVATIONS

DETAILS

8315

A-19

91424



**BKV**

BERNARD  
KURILIA  
VERA INC  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS

100 N. RICHMOND BLVD. SUITE 1400  
MIAMI, FL 33137 305 371 1942

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PROJECT:	
LOCATION:	
DATE:	
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PLANNING & ZONING DIVISION

WINGER  
RESIDENCE  
RENOVATION

NO. 91424  
**A-20**

**91424**

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 BERNELLO  
 RUIKUN  
 VERA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 W. MCGRAW BLVD. SUITE 1400  
 MIAMI, FLA. 33137 37177962

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Mechanical	
FIRE PROTECTION	
ENGINEERING	

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 SET 16984  
 WINGER RESIDENCE RENOVATION

**REVISIONS**

NO.	DESCRIPTION

**WINGER RESIDENCE RENOVATION**

SCALE	DATE	BY	CHECKED

**INTERIOR ELEVATIONS**  
**DETAILS**

**A-21**

**EAST ELEVATION**  
 LIVING ROOM SCALE 1/2" = 1'-0"

**WEST ELEVATION**  
 LIVING ROOM SCALE 1/2" = 1'-0"

**NORTH ELEVATION**  
 TV GARDEN ROOM SCALE 1/2" = 1'-0"

**SIDE ELEVATION**  
 FIREPLACE SCALE 1/2" = 1'-0"

**LIGHT SHELF**  
 FIREPLACE SCALE 6" = 1'-0"

**BEAM DETAIL**  
 LIVING ROOM SCALE 1 1/2" = 1'-0"

**BEAM DETAIL**  
 LIVING ROOM SCALE 1 1/2" = 1'-0"

**EL. CONDUIT**  
 TV GARDEN ROOM SCALE 1 1/2" = 1'-0"

**EL. CONDUIT**  
 TV GARDEN ROOM SCALE 6" = 1'-0"

**CEILING DETAIL**  
 DINING ROOM

**91424**

**WEST ELEVATION**  
MASTER BEDROOM

**NORTH ELEVATION**  
MASTER BEDROOM

**NORTH ELEVATION**  
DRESSING ROOM

**WEST ELEVATION**  
FOYER / STAIRCASE

**NORTH ELEVATION**  
FOYER / STAIRCASE

**STAIR - RAIL DETAIL**

**BKV**  
RODOLFO  
KURKIN &  
VERA, INC.  
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PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
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MIAMI, FL 33132 377 7342

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BUILDING DEPARTMENT DIVISION

**WINGER  
RESIDENCE  
RENOVATION**

**A-22**

91424

1 NORTH ELEVATION MASTER BATHROOM

2 EAST ELEVATION MASTER BATHROOM

3 NORTH ELEVATION TERRACE BATHROOM / SAUNA

4 SOUTH ELEVATION MASTER BATHROOM

5 WEST ELEVATION MASTER BATHROOM

6 EAST ELEVATION TERRACE BATHROOM / SAUNA

7 NORTH ELEVATION GUEST BATHROOM

8 EAST ELEVATION GUEST BATHROOM

9 SOUTH ELEVATION GUEST BATHROOM

10 WEST ELEVATION GUEST BATHROOM

BKV

BIRMINGHAM  
KURTZ  
VEER INC.  
ARCHITECTS  
PLANNERS  
DESIGNERS  
INTERIOR DESIGNERS  
100 W. BICENTENNIAL BLVD. SUITE 1200  
MIAMI, FLA. 33130 305-371-7442

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BY: [Signature]  
TITLE: [Signature]

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08 27 2014

[Circular Stamp]

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REVISIONS:

NO.	DATE	DESCRIPTION

WINGER  
RESIDENCE  
RENOVATION

DATE: 08/27/2014

BY: [Signature]

TITLE: [Signature]

DATE: 08/27/2014

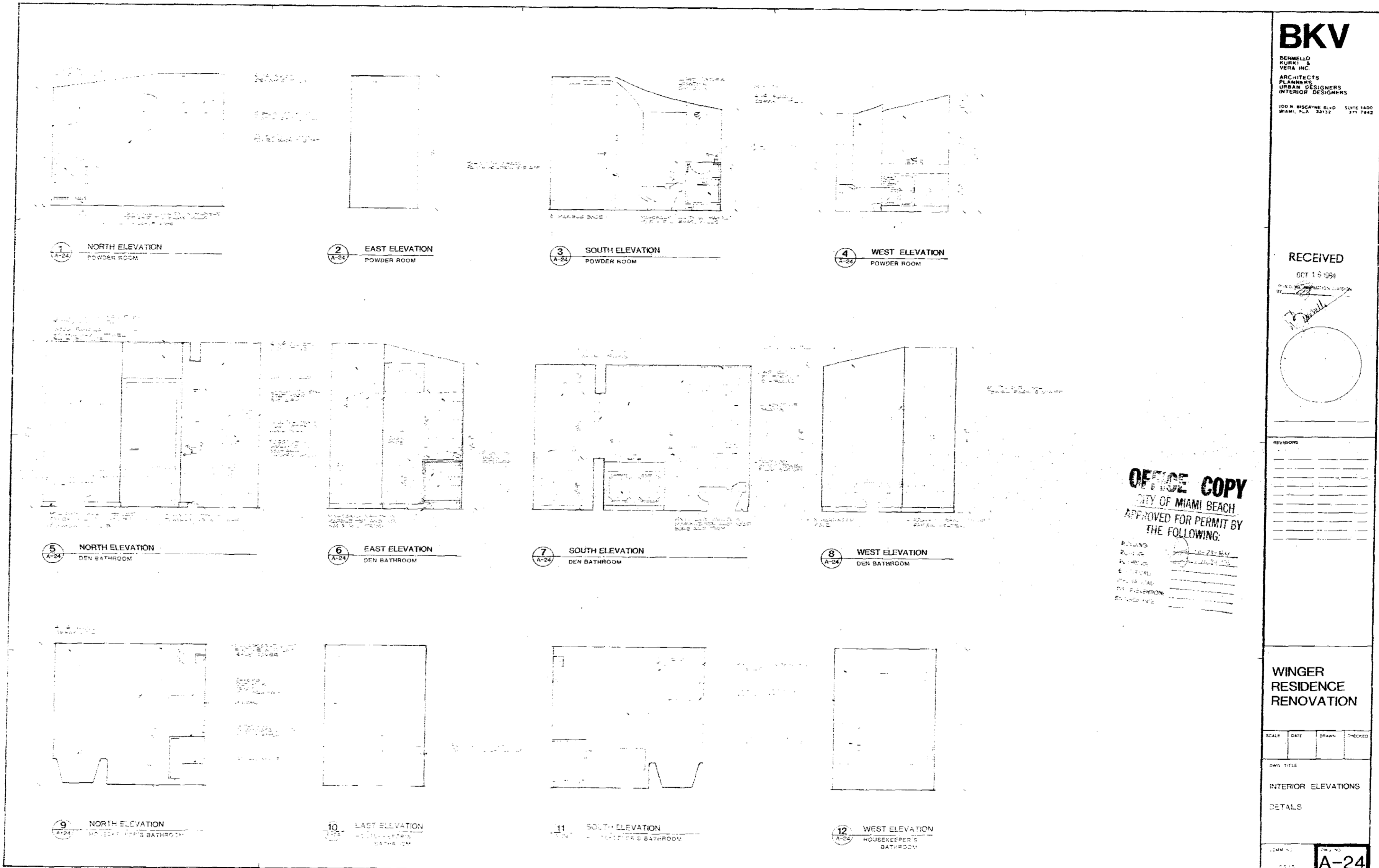
BY: [Signature]

TITLE: [Signature]

A-23

91424





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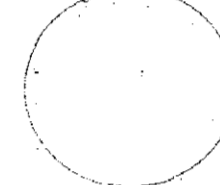
DOMENICO  
KURAT &  
YERS INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. WISCASSETT BLVD SUITE 1400  
MIAMI, FLA. 33137 377-7442

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PERMITS SECTION

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REVISIONS

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PERMISSION

**WINGER  
RESIDENCE  
RENOVATION**

SCALE	DATE	DRAWN	CHECKED

OWNER TITLE

INTERIOR ELEVATIONS

DETAILS

DATE: 10/19/94

**A-24**

**91424**

GENERAL NOTES (CONTINUED)

1. All work shall be in accordance with the specifications and standards listed herein. All materials and methods of construction shall be approved by the Architect before work is commenced.

2. The following manufacturers are approved as equal:
Decorative Hardware:
Decorative Hardware Co.
Decorative Hardware Co.
Decorative Hardware Co.

3. All exterior masonry walls shall be finished with 1/2" gypsum plaster on metal lath.
4. All interior walls shall be finished with 1/2" gypsum plaster on metal lath.
5. All exterior masonry walls shall be finished with 1/2" gypsum plaster on metal lath.

6. The contractor shall provide all labor, materials, and equipment necessary for the installation of the plumbing fixtures.
7. All plumbing fixtures shall be installed in accordance with the specifications and standards listed herein.

MISCELLANEOUS NOTES

1. "Double" windows shown to have 1/2" thick "insulated" glass shown with 1/2" thick "insulated" glass (Type II) and 1/2" thick "insulated" glass (Type I).

2. The following standard welds are to be provided:
a. 1/2" x 1/2" (area as shown on shop drawings)
b. 1/2" x 1/2" (area as shown on shop drawings)

3. The structural wood elements are to be as manufactured by the manufacturer listed herein.
4. The contractor shall provide all labor, materials, and equipment necessary for the installation of the structural wood elements.

5. The contractor shall provide all labor, materials, and equipment necessary for the installation of the electrical systems.
6. All electrical systems shall be installed in accordance with the specifications and standards listed herein.

These areas identified as 'to be removed' are to be removed as indicated on the drawings. The contractor shall provide all labor, materials, and equipment necessary for the removal of these areas.

For removal of existing walls and slab and the construction of new foundations and slab, as well as additional construction to correct structural conditions in this area, refer to structural drawings for foundation and slab construction details.

GENERAL NOTE:
All existing A/C units with venting and existing glass windows not being removed to be fitted with concrete blocks, spaced exterior finish and plaster on structural steelwork.

Table with 4 columns: ITEM NO., DESCRIPTION, QUANTITY, and UNIT. Contains a list of items for the project.

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CITY OF MIAMI BEACH
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[Signature]

BKV
BENIGNO GIACCHETTI
ARCHITECTS
INTERIOR DESIGNERS

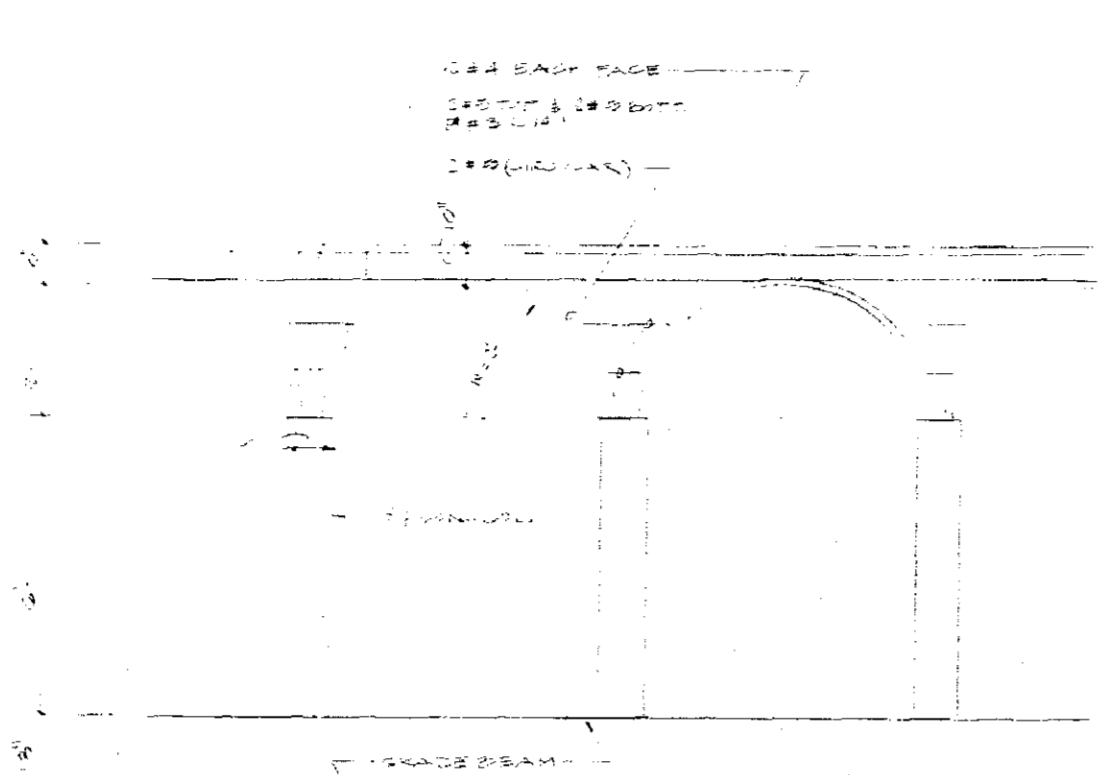
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[Stamp]

Table with 4 columns: DATE, TIME, CHECKED, and APPROVED. Contains a record of checkmarks.

GENERAL NOTES

A-25

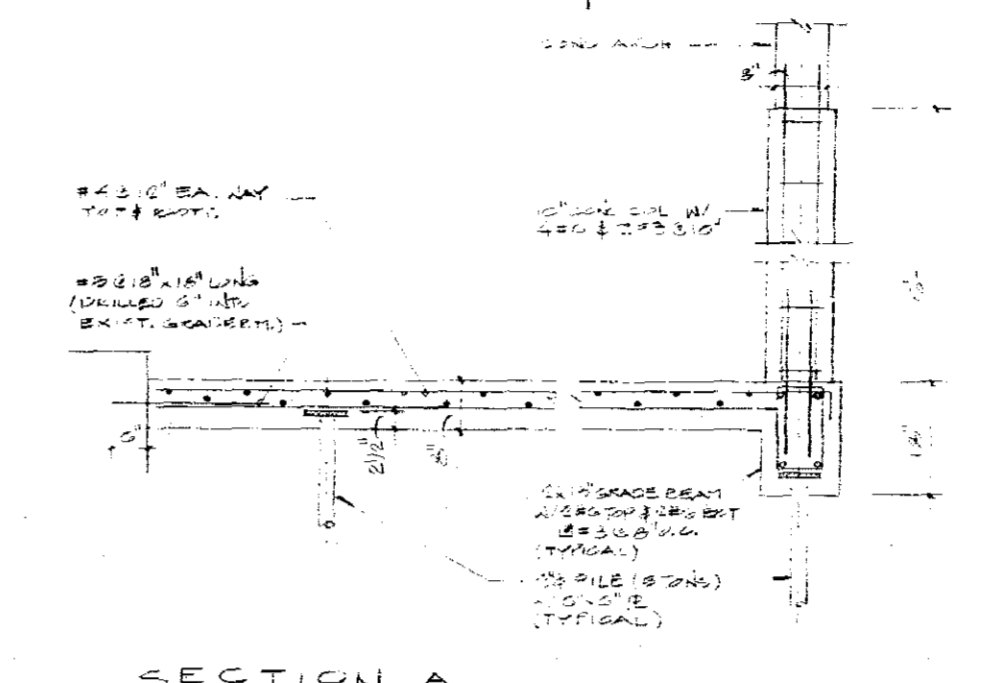
91424



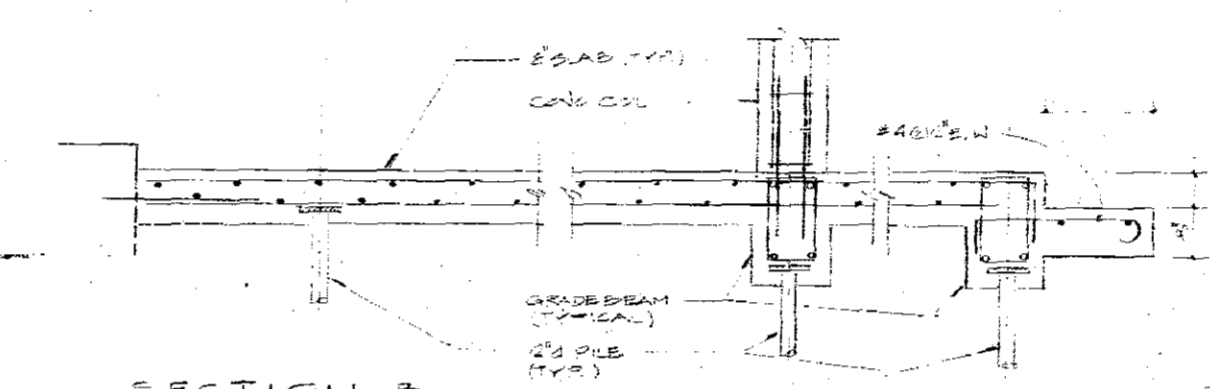
**ANPHIBIAN DETAIL**  
SCALE: 1/2"=1'-0"

- General Contractor shall take all necessary precautions to protect existing structure and shall verify A.E. of any settlements, cracks or other effects caused by new construction or other defects on the premises, prior to proceeding on any work in the affected area.
- General Contractor to take any additional soil borings necessary to determine type of soil and to verify that original borings are in good service condition.
- The columns to be 17" x 17" with 4 #5, and 42 ties @ 12 inches.
- Add square post punch without tie.
- General Contractor to verify all members at 100%.

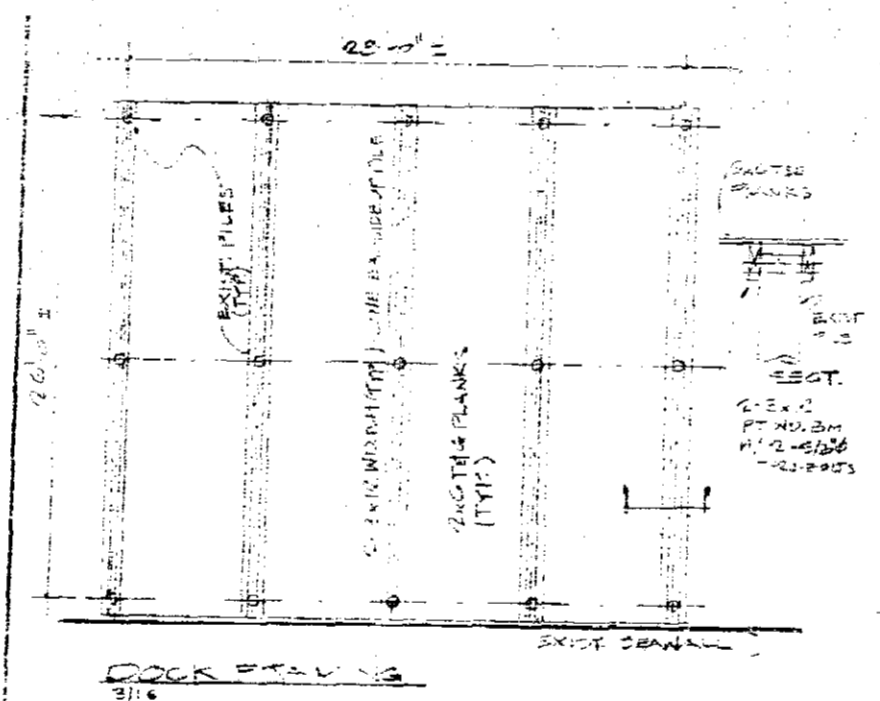
- STRUCTURAL NOTES:-**
- ALL PILES TO BE 2" Ø MINIPILES, DRIVEN TO 5 TONS SAFE BEARING VALUE.
  - ALL CAST IN PLACE CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
  - REINFORCING BARS TO MEET ASTM A-615 GRADE 60, DETAILED AND PLACED IN ACCORDANCE WITH ACI 318-77 AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS ACI 307-72, AND SIKI LATEST EDITION. REINFORCEMENT SHALL BE HELD SECURELY IN PLACE WITH STANDARD PLASTIC TIED ACCESSORIES DURING PLACING OF CONCRETE.
  - STEEL PIPE COLUMNS TO COMPLY WITH ASTM A-53 TYPE B.
  - ALL TIE BEAMS TO BE REINFORCED WITH 2 #5 TOP AND 2 #5 BOTTOM UNLESS OTHERWISE NOTED.
  - ALL CONSTRUCTION SHALL BE EXECUTED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY A.E. OF ANY DISCREPANCIES OR UNUSUAL CONDITIONS.



**SECTION A**



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



**DOOR DRAWING**  
SCALE: 1/2"=1'-0"

**NOTES:**

- TO REMOVE EXISTING PILES LOCATED AS SHOWN ON DRAWING.
- TO USE EXISTING CONSTRUCTION AS BULK BENT OFFSHORE ARE LOCATED IN THESE PILES.
- TO RETAIN EXIST.

NO.	REVISION	DATE

**BKV**  
BERNARDI  
KURKI  
VERA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. BISCAYNE BLVD. SUITE 1400  
MIAMI, FLA. 33132 371 7862

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

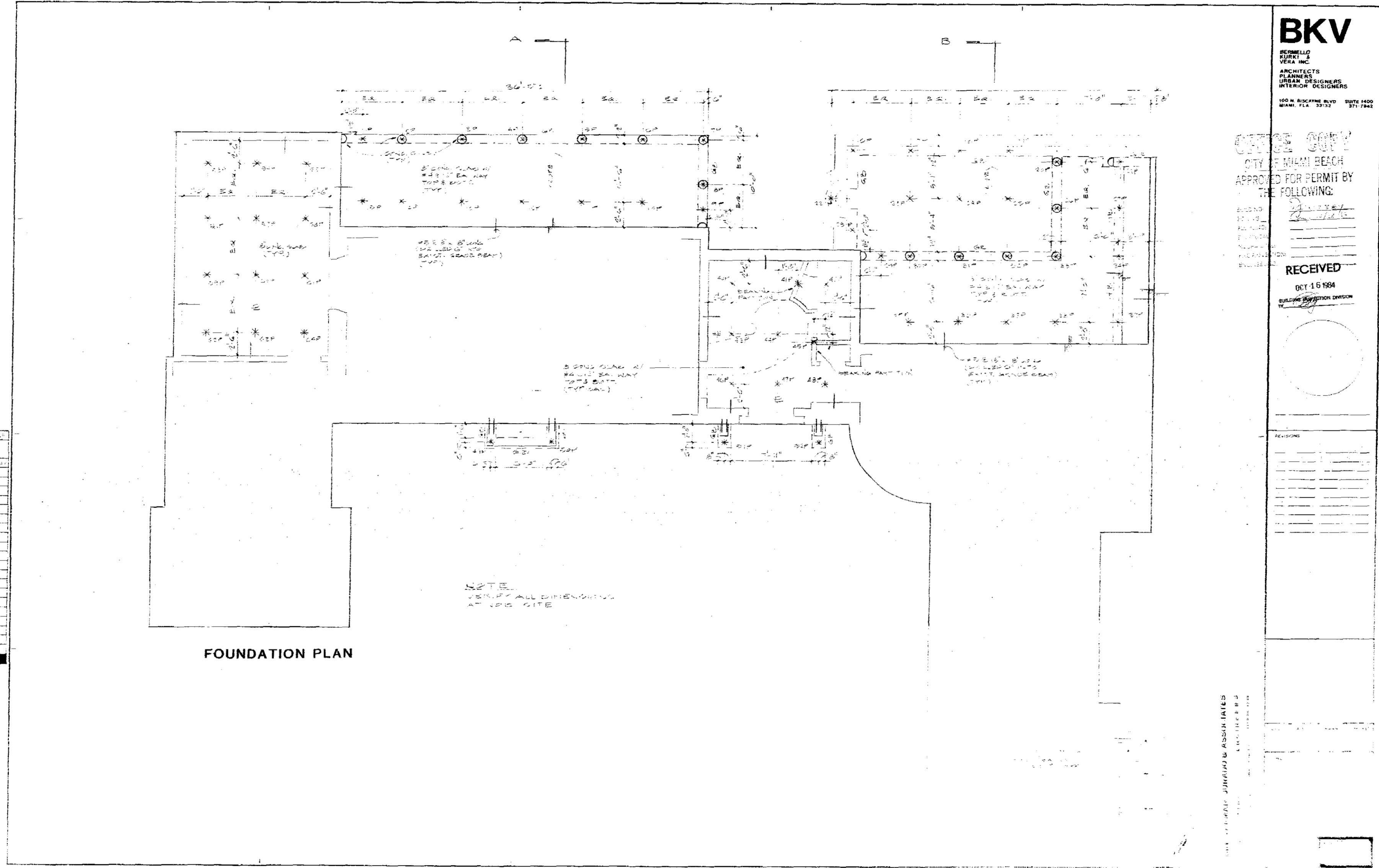
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ZONING: \_\_\_\_\_  
PLUMBING: \_\_\_\_\_  
ELECTRICAL: \_\_\_\_\_  
MECHANICAL: \_\_\_\_\_  
FIRE PREVENTION: \_\_\_\_\_  
ENGINEERING: \_\_\_\_\_

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FOUNDATION PLAN

**BKV**  
 BERMEJO  
 BURELL  
 VEREA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 N. BISCAYNE BLVD SUITE 400  
 MIAMI, FLA. 33132 305.774.9400

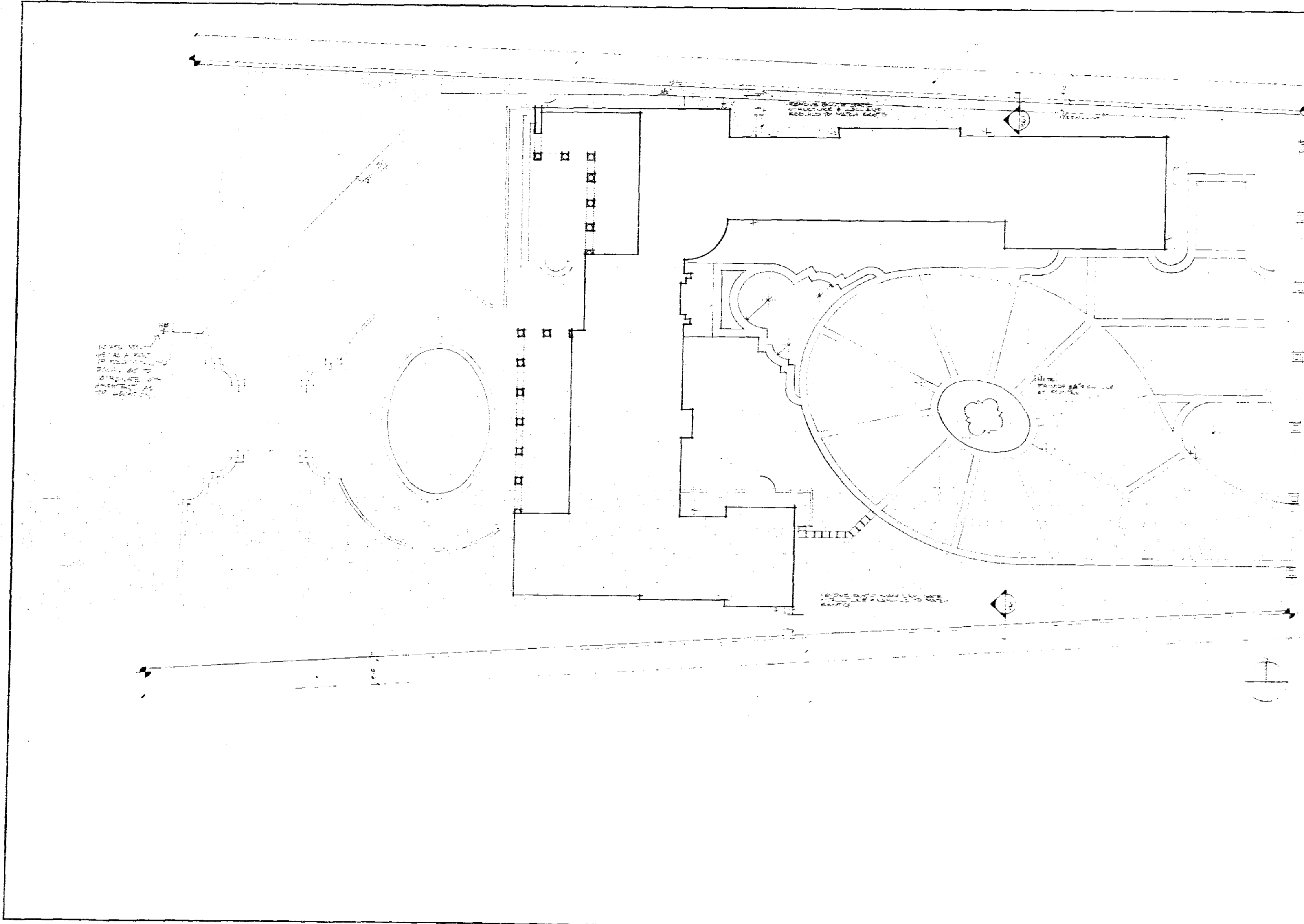
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 TITLE: \_\_\_\_\_  
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 ENGINEERING DIVISION

REVISIONS	
NO.	DESCRIPTION

BERMEJO BURELL VEREA ASSOCIATES  
 100 N. BISCAYNE BLVD SUITE 400  
 MIAMI, FL 33132 305.774.9400

**91424**



**BKV**

BERNARDO  
 KURYLA &  
 VERA, INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 N. BISCAYNE BLVD. SUITE 1400  
 MIAMI, FLA 33132 377-7942

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 TITLE: \_\_\_\_\_  
 DEPARTMENT: \_\_\_\_\_  
 DIVISION: \_\_\_\_\_

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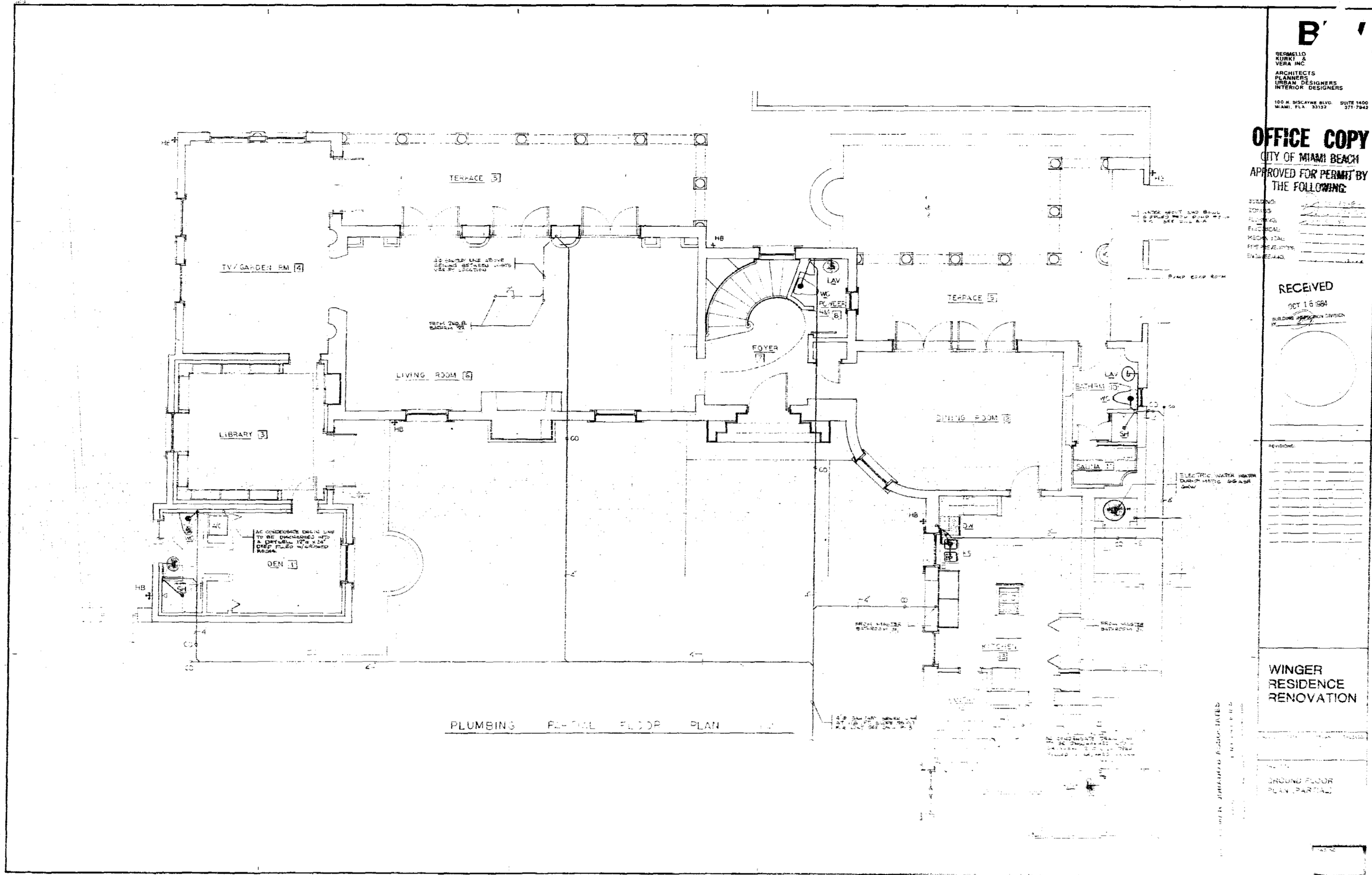
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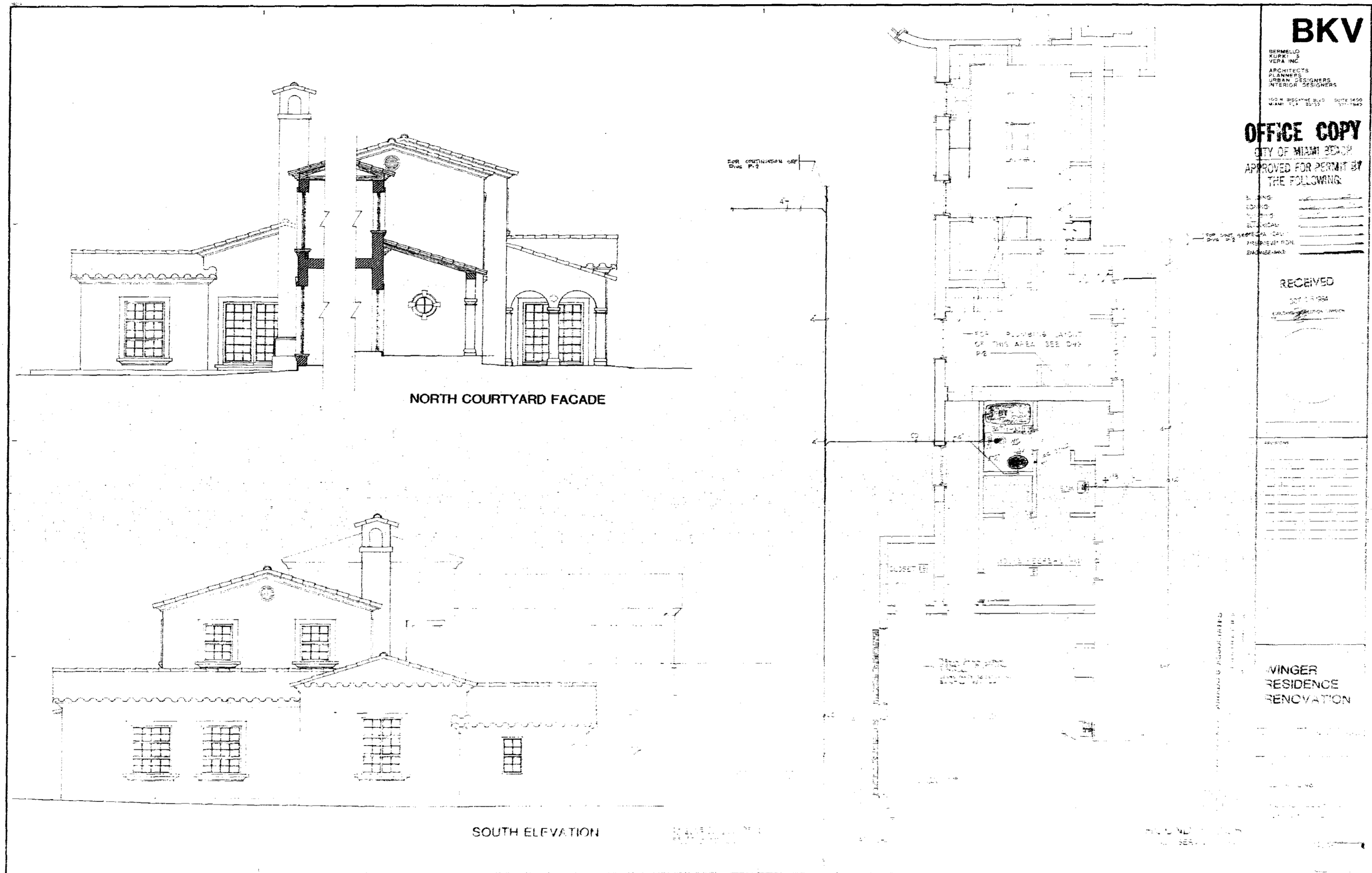
NO.	REVISIONS

VINGER  
 RESIDENCE  
 RENOVATION

**91424**



91424



**BKV**

BERNARDO  
KURPIE  
VERA INC  
ARCHITECTS  
PLANNERS  
INTERIOR DESIGNERS  
100 N. BOSTON BLVD. SUITE 1400  
MIAMI, FL 33137

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ENGINEERING  
ELECTRICAL  
MECHANICAL  
FOR CITY OF MIAMI  
PERMITTING  
DEPARTMENT

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BY: [Signature]  
CITY OF MIAMI  
PLANNING DEPARTMENT

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RESIDENCE  
RENOVATION

**91424**

**BKV**

BERNARD  
KIRK  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS

100 N. BAYVIEW BLVD. SUITE 1400  
MIAMI, FL 33131 305-371-1322

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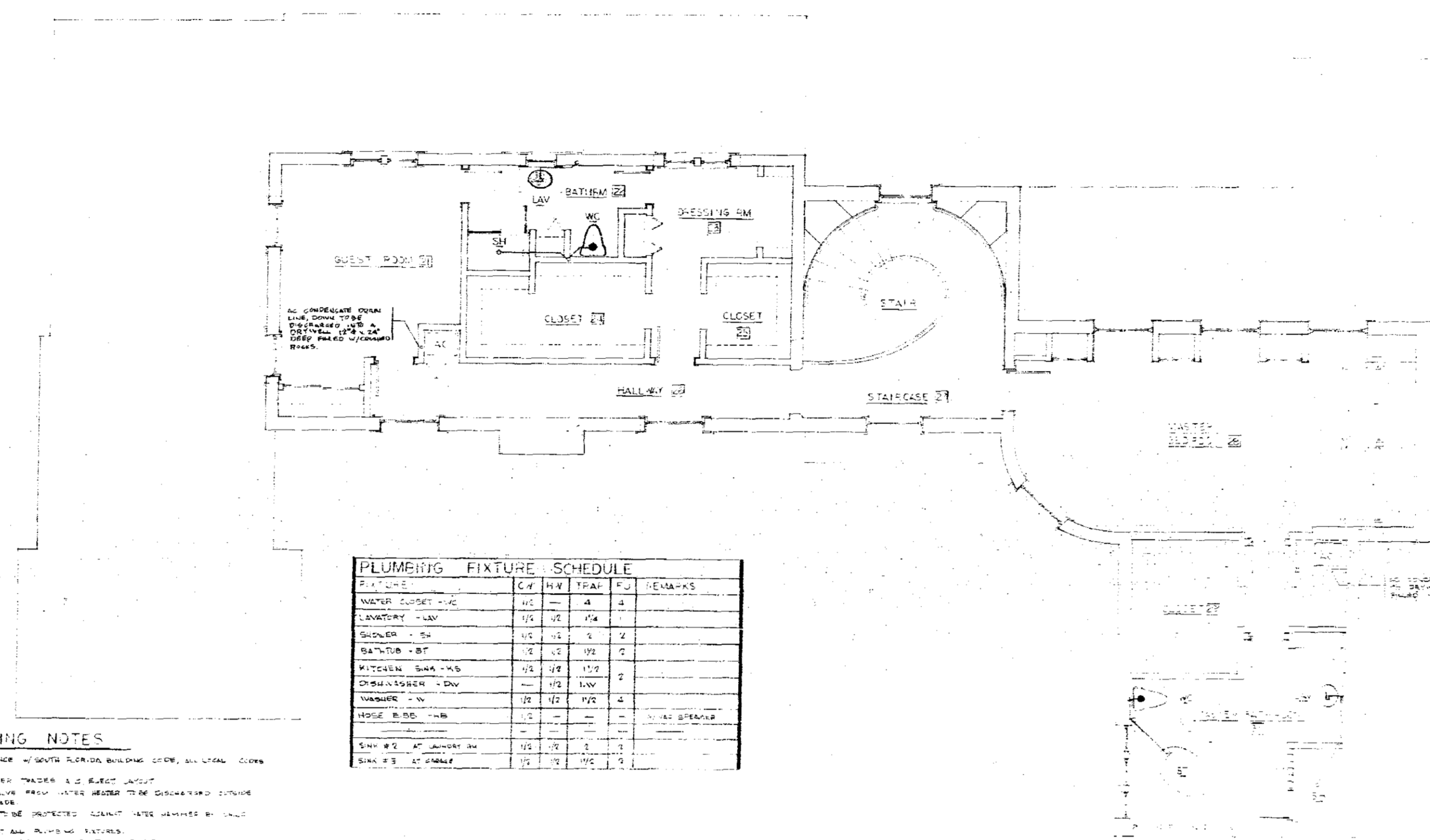
PLUMBING  
ELECTRICAL  
MECHANICAL  
STRUCTURAL  
FOUNDATION  
FOUNDATION

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NOV 15 1994

PLUMBING DEPARTMENT

VINGER  
RESIDENCE  
RENOVATION



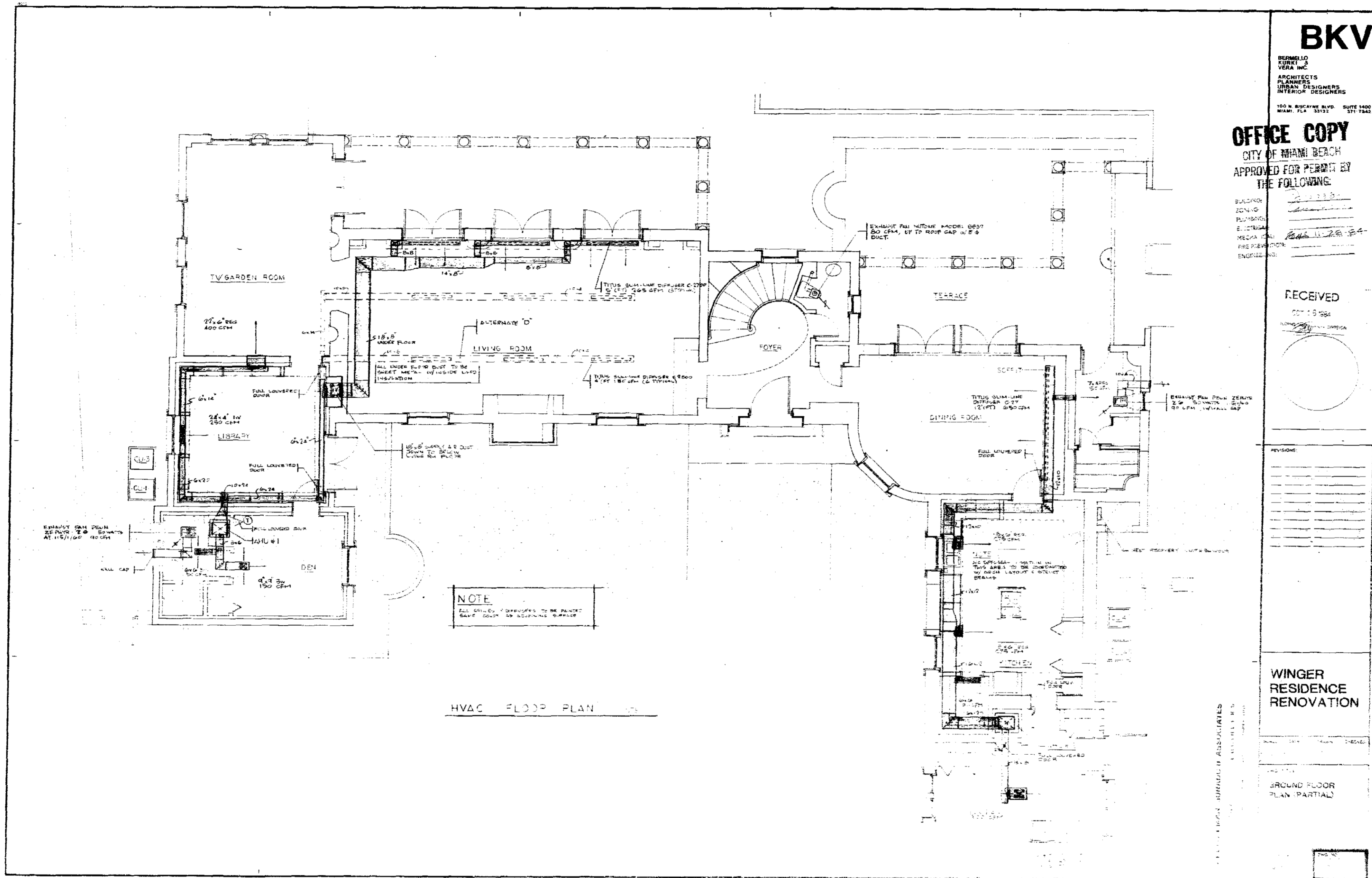
PLUMBING FIXTURE SCHEDULE	CF	HW	TRAP	F.U.	REMARKS
METER CLOSET - WC	1/2	1/2	1/4	1	
LAVATORY - LAV	1/4	1/2	1/4	1	
SINK - SK	1/2	1/2	1/2	2	
BATH - BT	1/2	1/2	1/2	2	
KITCHEN SINK - KS	1/2	1/2	1/2	2	
DISHWASHER - DW	1/2	1/2	1/2	2	
WASHER - W	1/2	1/2	1/2	2	
HOSE BIB - HB	1/2	1/2	1/2	2	WALL SPEAKER
SINK #2 AT JANITOR RM	1/2	1/2	1/2	2	
SINK #3 AT ENTRY	1/2	1/2	1/2	2	

- GENERAL PLUMBING NOTES**
1. ALL WORK TO BE IN ACCORDANCE WITH SOUTH FLORIDA BUILDING CODE, ALL LOCAL ORDINANCES AND REGULATIONS.
  2. COMPLETE WITH ALL OTHER TRADES AND ELECT. LAYOUT.
  3. TRAP & PRESSURE RELIEF VALVE FROM WATER HEATER TO BE DISCHARGED OUTSIDE BUILDING OR ABOVE ROOF AREA.
  4. WATER LINE PENETRATION TO BE PROTECTED AGAINST WATER INGRESS BY GULF AIR EQUIPMENT.
  5. PROVIDE PROTECTIVE COVER AT ALL PLUMBING FIXTURES.
  6. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES.
  7. PROVIDE 1/2" AIR GAP UNDER SINKS AND DISHWASHER SYSTEM NEAR SINKS.
  8. ALL CONDENSATE DRAIN THE AIR HANDLING UNIT TO BE DISCHARGED OUTSIDE BUILDING OR ABOVE ROOF AREA. DISCHARGE POINT TO BE VERIFIED BY FIELD SURVEY.
  9. ALL PLUMBING WORK TO BE SUBJECT TO INSPECTION.
  10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLUMBING FIXTURE SCHEDULE.
  11. PROVIDE CLEANOUTS AT ALL SINKS & TRAPS AND AT THE MAIN WATER LINE ENTRY POINTS.
  12. PROVIDE 3/4" AIR GAP UNDER SINKS TO PREVENT AT THE SINKS.
  13. PROVIDE 1/2" AIR GAP UNDER SINKS TO PREVENT AT THE SINKS.

PLUMBING SECOND FLOOR PLAN

91424





**NOTE**  
 ALL GRILLS/REGISTERS TO BE PAINTED  
 WHITE TO MATCH SURROUNDING WALLS

HVAC FLOOR PLAN

**BKV**

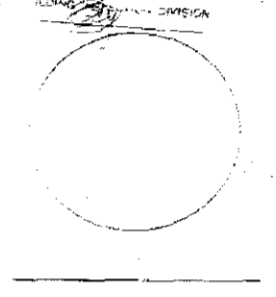
BERNARD  
 VERBA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
 100 N. BISCAYNE BLVD. SUITE 1400  
 MIAMI, FLA. 33132 371-7342

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BUILDING: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PROTECTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_

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SEP 18 1984



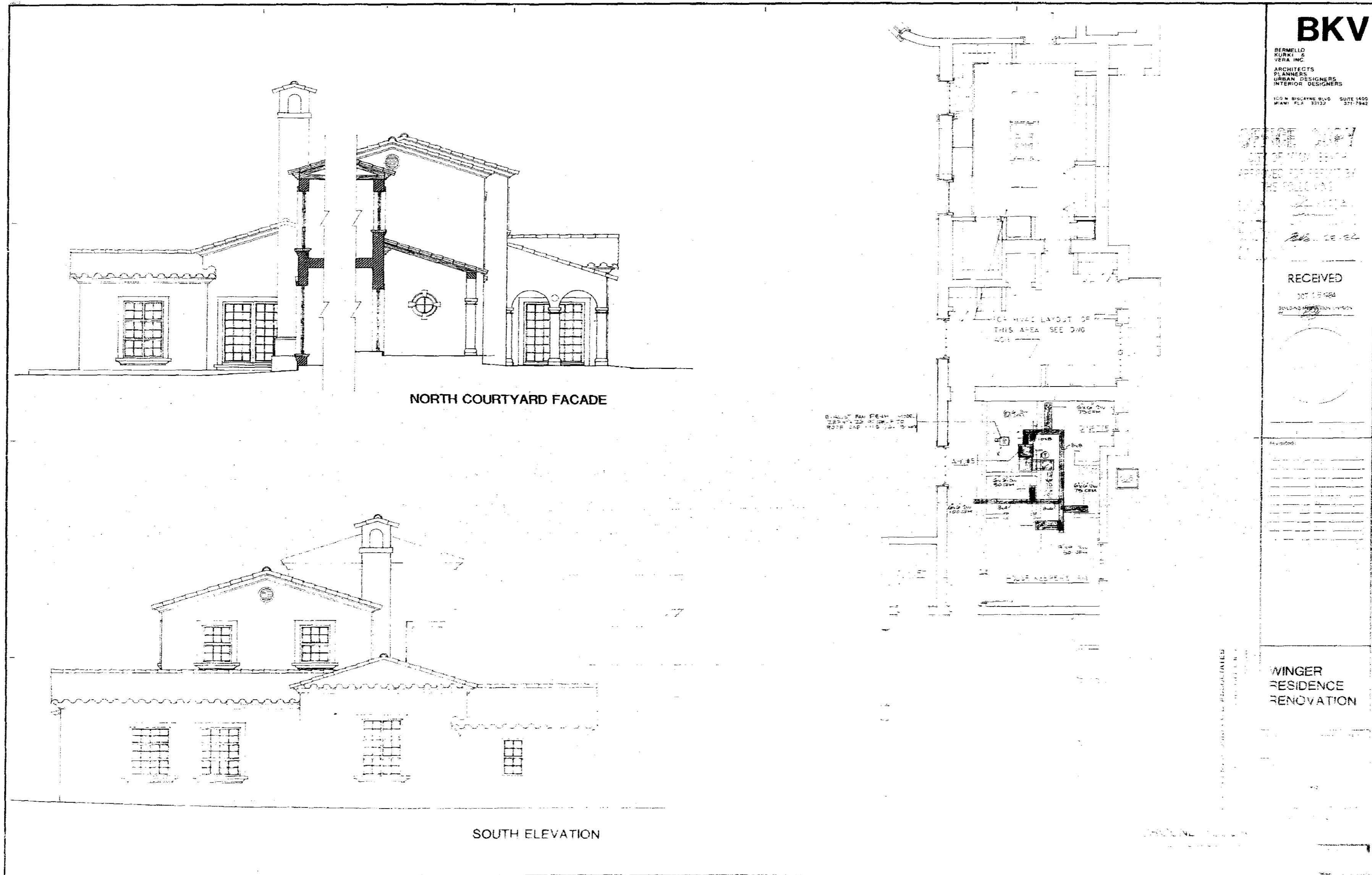
REVISIONS

NO.	DATE	DESCRIPTION

WINGER  
 RESIDENCE  
 RENOVATION

GROUND FLOOR  
 PLAN (PARTIAL)

**91424**

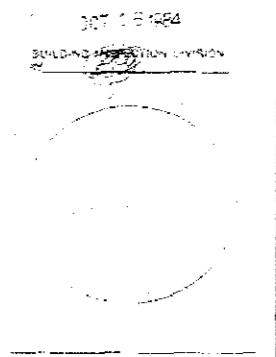


**BKV**

BERMELLO  
KURKI &  
YERGA INC.  
ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
100 N. WILSON BLVD SUITE 1400  
MIAMI, FLA. 33137 377-7942

DATE: 02/22/00  
BY: [Signature]

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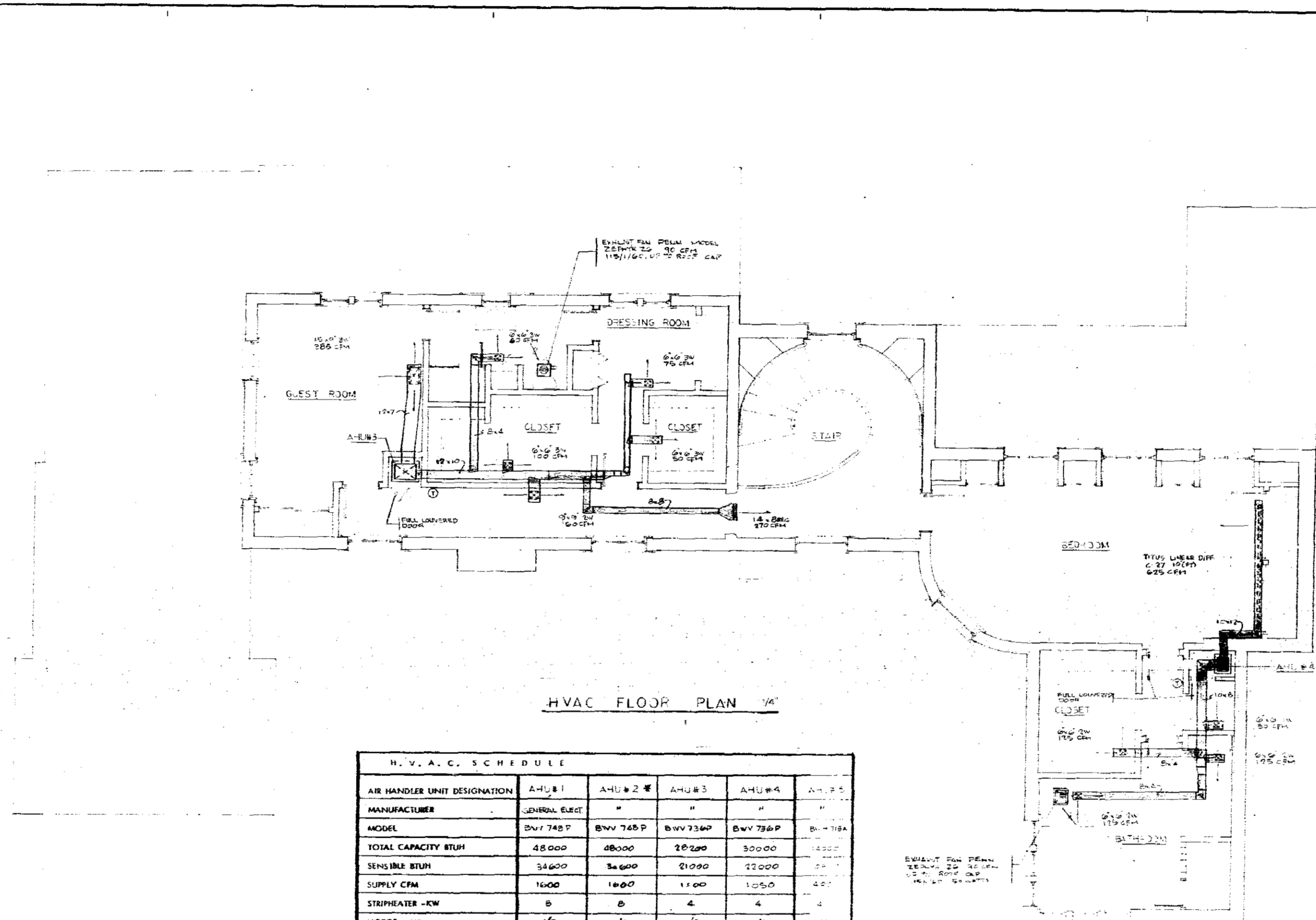


Revision table with columns for revision number and description.

NO.	REVISION

WINGER  
RESIDENCE  
RENOVATION

**91424**



H.V.A.C. FLOOR PLAN 2nd

H. V. A. C. SCHEDULE					
AIR HANDLER UNIT DESIGNATION	AHU #1	AHU #2	AHU #3	AHU #4	AHU #5
MANUFACTURER	GENERAL ELECTRIC	"	"	"	"
MODEL	BWV 745 P	BWV 745 P	BWV 736 P	BWV 736 P	BWV 736 P
TOTAL CAPACITY BTUH	48000	48000	20200	30000	14300
SENSIBLE BTUH	34600	34600	21000	22000	10000
SUPPLY CFM	1600	1600	1100	1050	400
STRIPHEATER - KW	5	5	4	4	4
MOTOR - HP	1/2	1/2	1/2	1/2	1/4
UNIT WEIGHT LBS	175	175	126	126	24
CONDENSING UNIT	"	"	"	"	"
MODEL	BTX 745 A	BTX 745 A	BTX 730 A	BTX 730 A	BTX 730 A
EER	10.15	10.15	10.7	10.7	9.7
F.A. COMP/TAN	22.7	22.7	15.9	15.9	11.1
AMBIENT TEMP °F	35	"	"	"	"
UNIT WEIGHT LBS	240	240	240	240	110
ELECTRIC SERVICE	225 VA/0.005	"	"	"	"

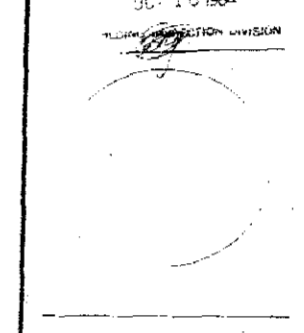
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MIAMI FLA 33132 305 754 1400

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BY: [Signature]  
TITLE: [Signature]  
OFFICE: [Signature]

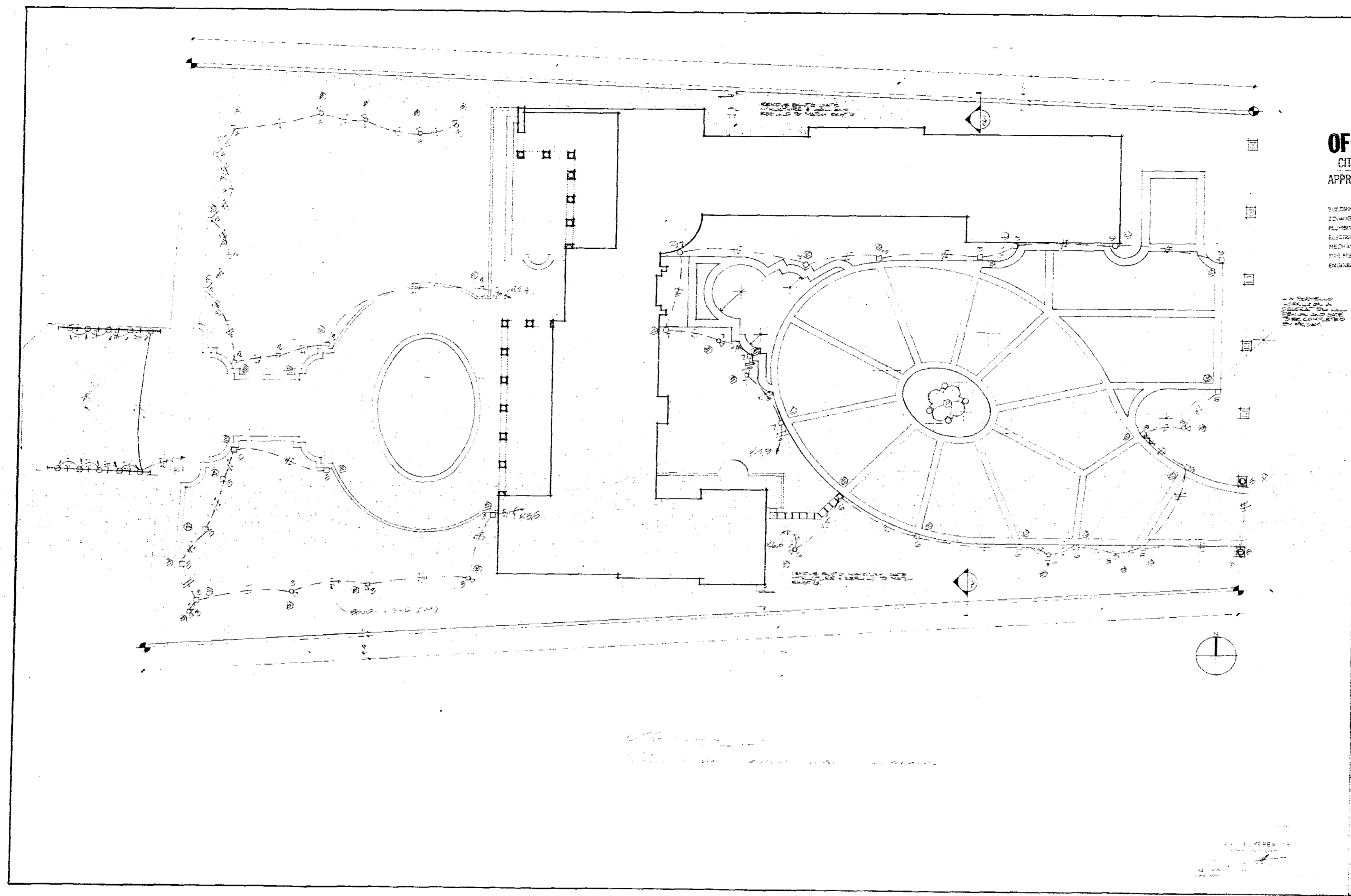
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RENOVATION

PHOTOGRAPH BY J. J. JACOBI & ASSOCIATES

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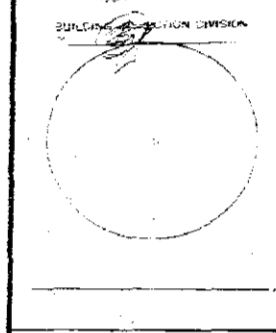


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 BERNELLO  
 KURITA, INC.  
 ARCHITECTS  
 PLANNERS  
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 100 N. BISCAYNE BLVD. SUITE 1400  
 MIAMI, FLA. 33132 371-7842

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 ENGINEER \_\_\_\_\_

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REVISIONS


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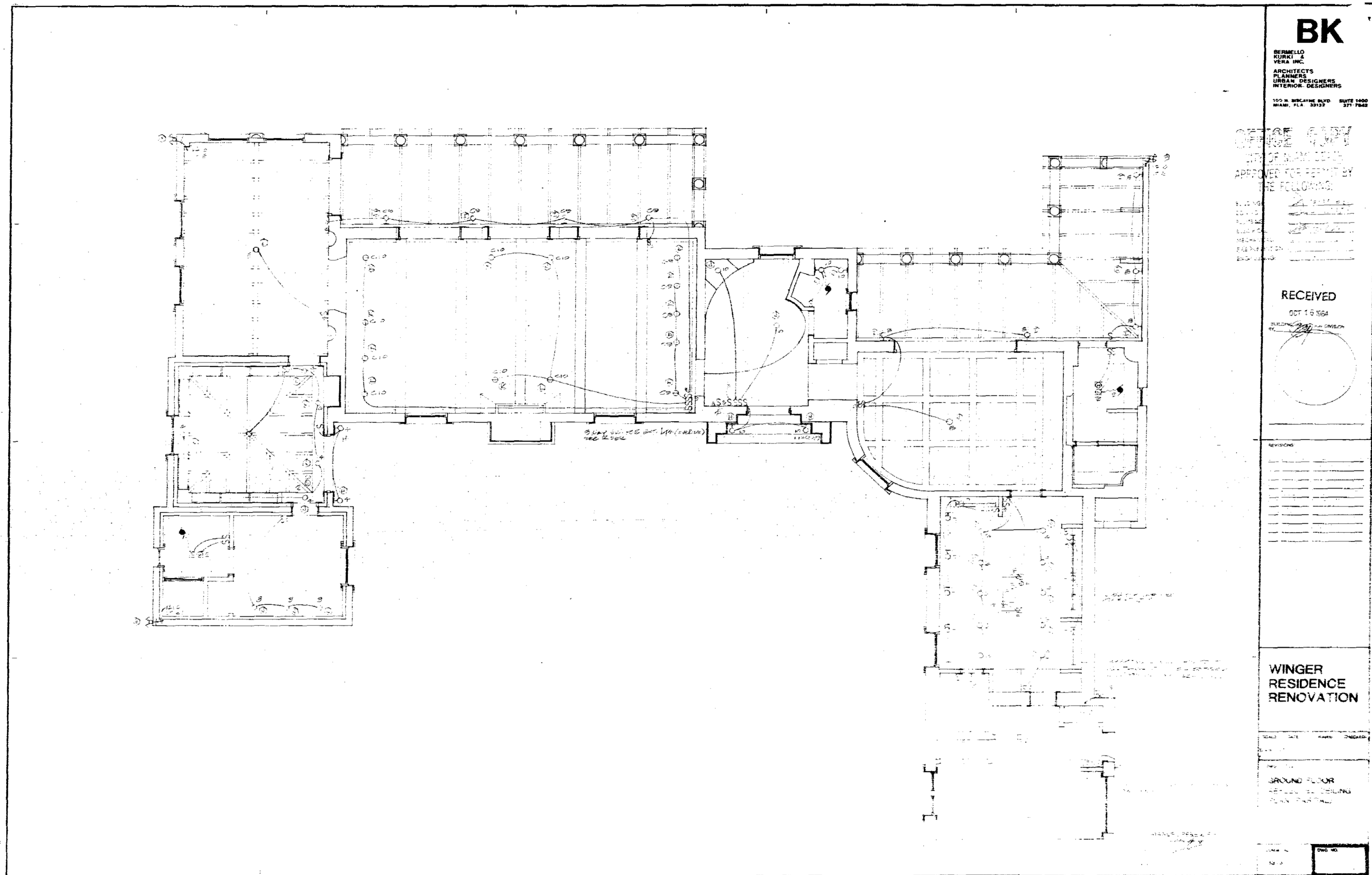
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SCALE: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

DATE: \_\_\_\_\_

**91424**



91424

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 BERNILLO  
 KURAI &  
 YERA INC.  
 ARCHITECTS  
 PLANNERS  
 URBAN DESIGNERS  
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 100 N. BISCAYNE BLVD. SUITE 1400  
 MIAMI, FL 33139 305 371 1842

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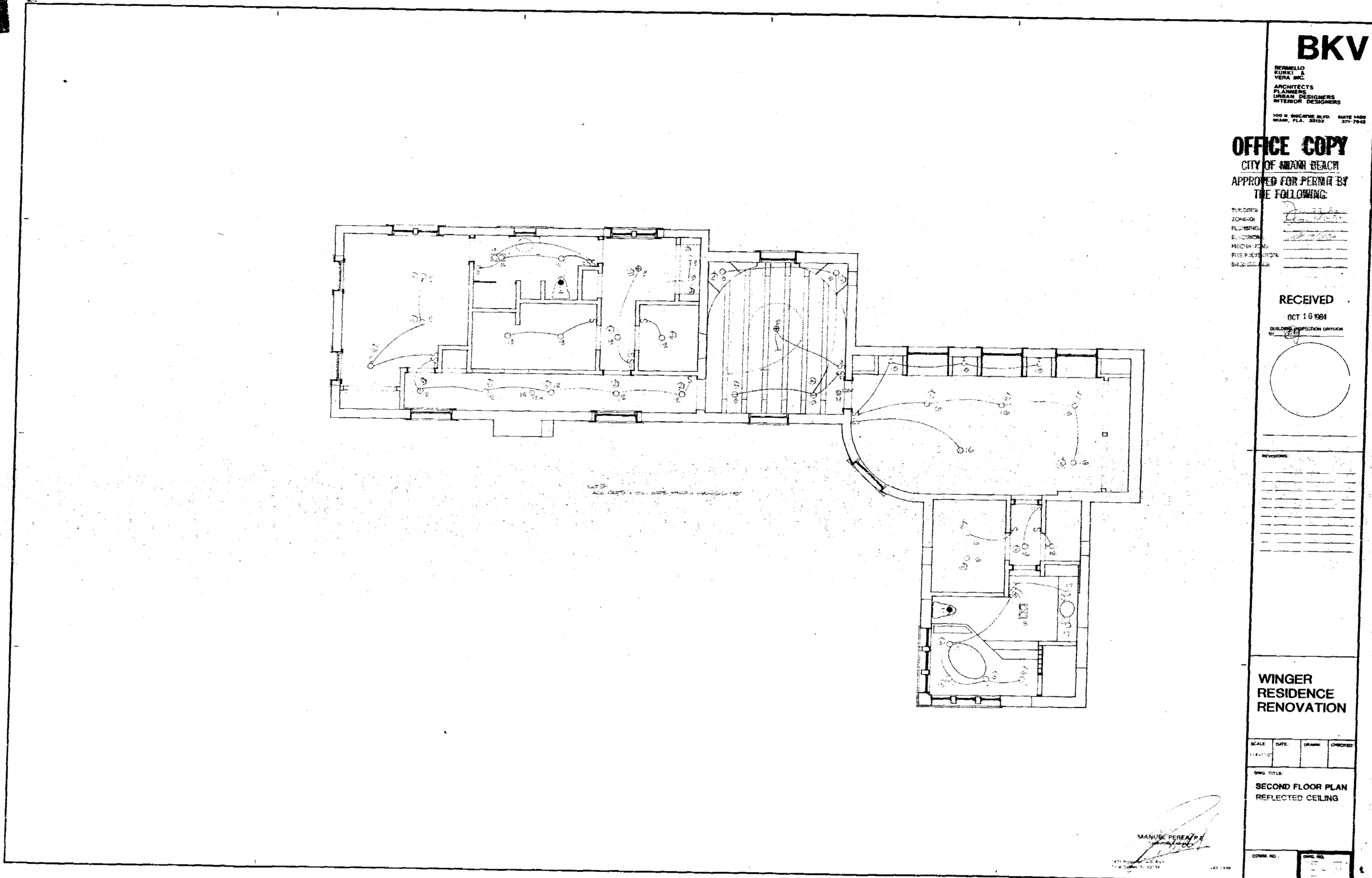
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 DATE: *[Date]*  
 PROJECT NO.: *[Number]*  
 SHEET NO.: *[Number]*  
 SCALE: *[Scale]*

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 SUBMITTED ON *[Date]*

**WINGER  
 RESIDENCE  
 RENOVATION**

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

91424



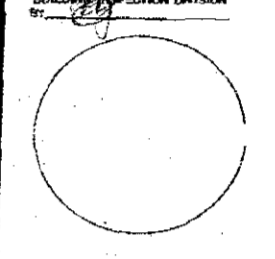
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BORRILLO  
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ARCHITECTS  
PLANNERS  
URBAN DESIGNERS  
INTERIOR DESIGNERS  
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BUILDING: \_\_\_\_\_  
ZONING: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
MECHANICAL: \_\_\_\_\_  
ELECTRICAL: \_\_\_\_\_  
PLUMBING: \_\_\_\_\_

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REVISIONS

NO.	DESCRIPTION

**WINGER  
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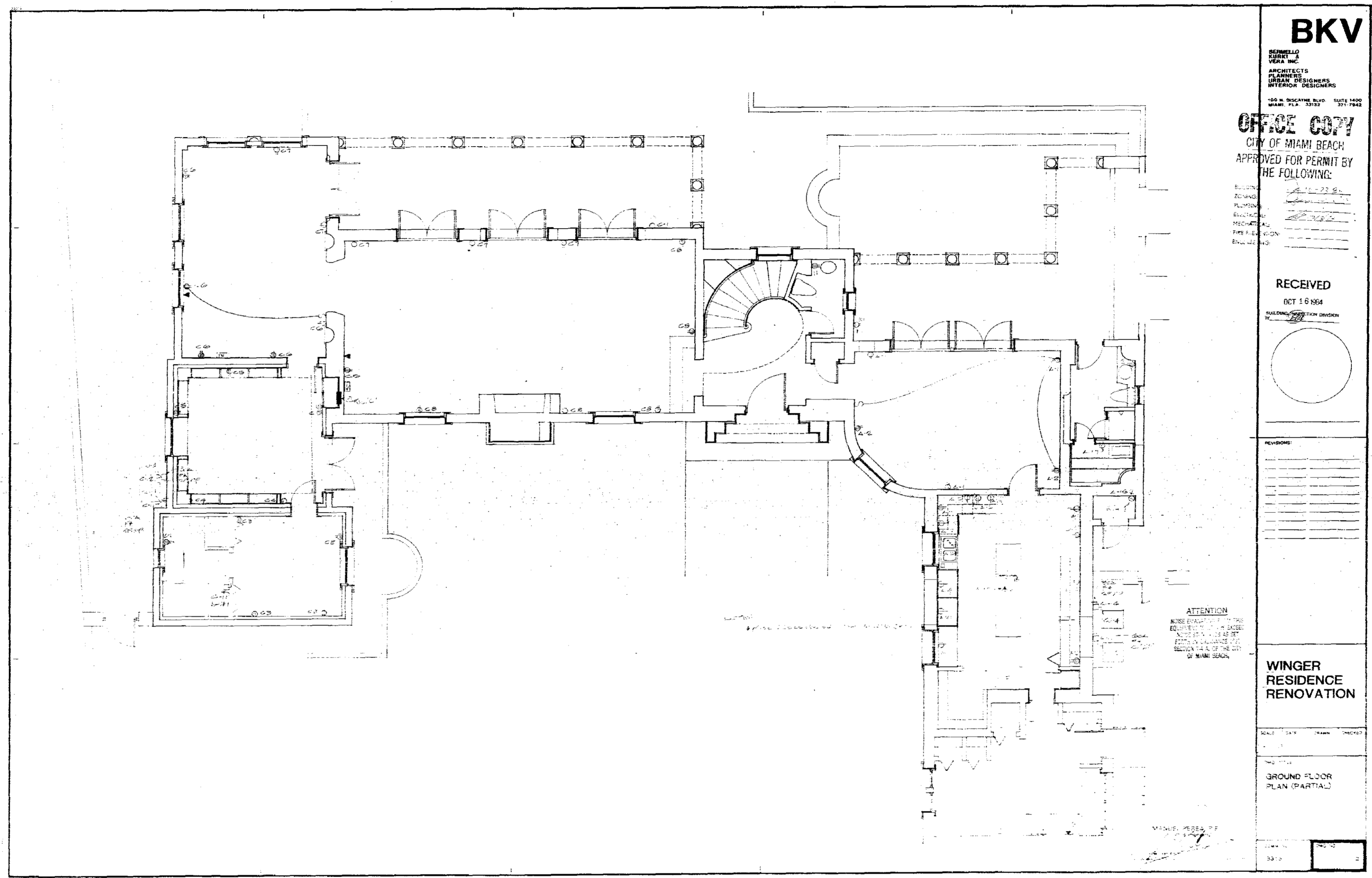
SCALE	DATE	DRAWN	CHECKED
1/4"=1'-0"			

DWG TITLE:  
**SECOND FLOOR PLAN  
REFLECTED CEILING**

CONTRACT NO.	DWG. NO.

MANUSCRIPT  
*[Signature]*

**91424**



**BKV**

BERNARD  
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CORP. INC.  
ARCHITECTS  
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INTERIOR DESIGNERS

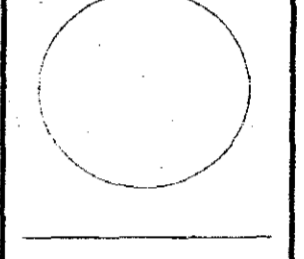
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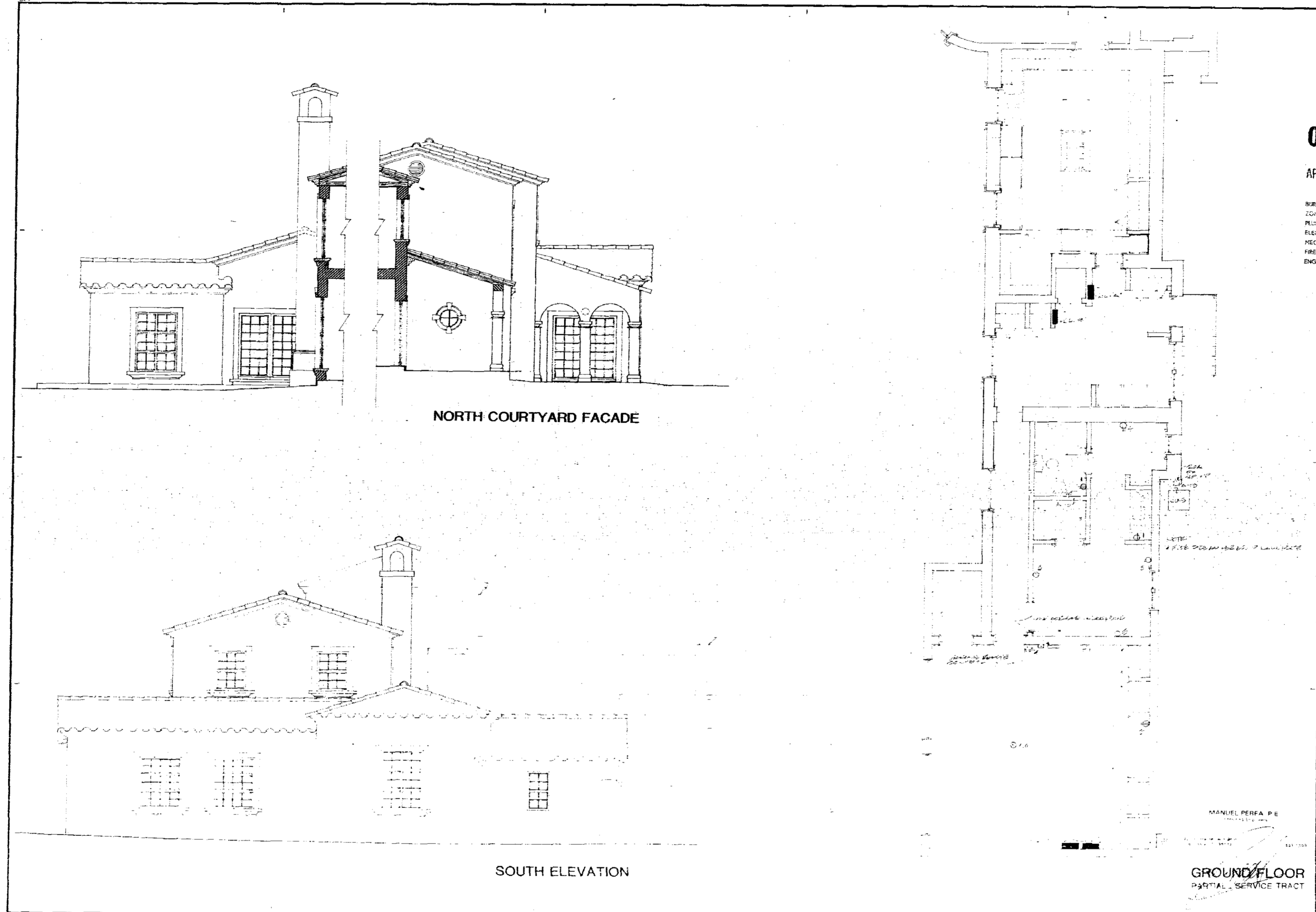
SCALE: DATE: DRAWN BY: CHECKED BY:

GROUND FLOOR  
PLAN (PARTIAL)

DATE: 10/16/84  
3310

**91424**





NORTH COURTYARD FACADE

SOUTH ELEVATION

MANUEL PEREA P.E.  
 ARCHITECT  
 100 N. WISCONSIN BLVD. SUITE 1400  
 MIAMI, FLA. 33137

**BKV**  
 BERTRAM  
 KURKIN  
 VERA INC.  
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 URBAN DESIGNERS  
 INTERIOR DESIGNERS  
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 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
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 ENGINEERING: \_\_\_\_\_

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 BUILDING DEPARTMENT DESIGN

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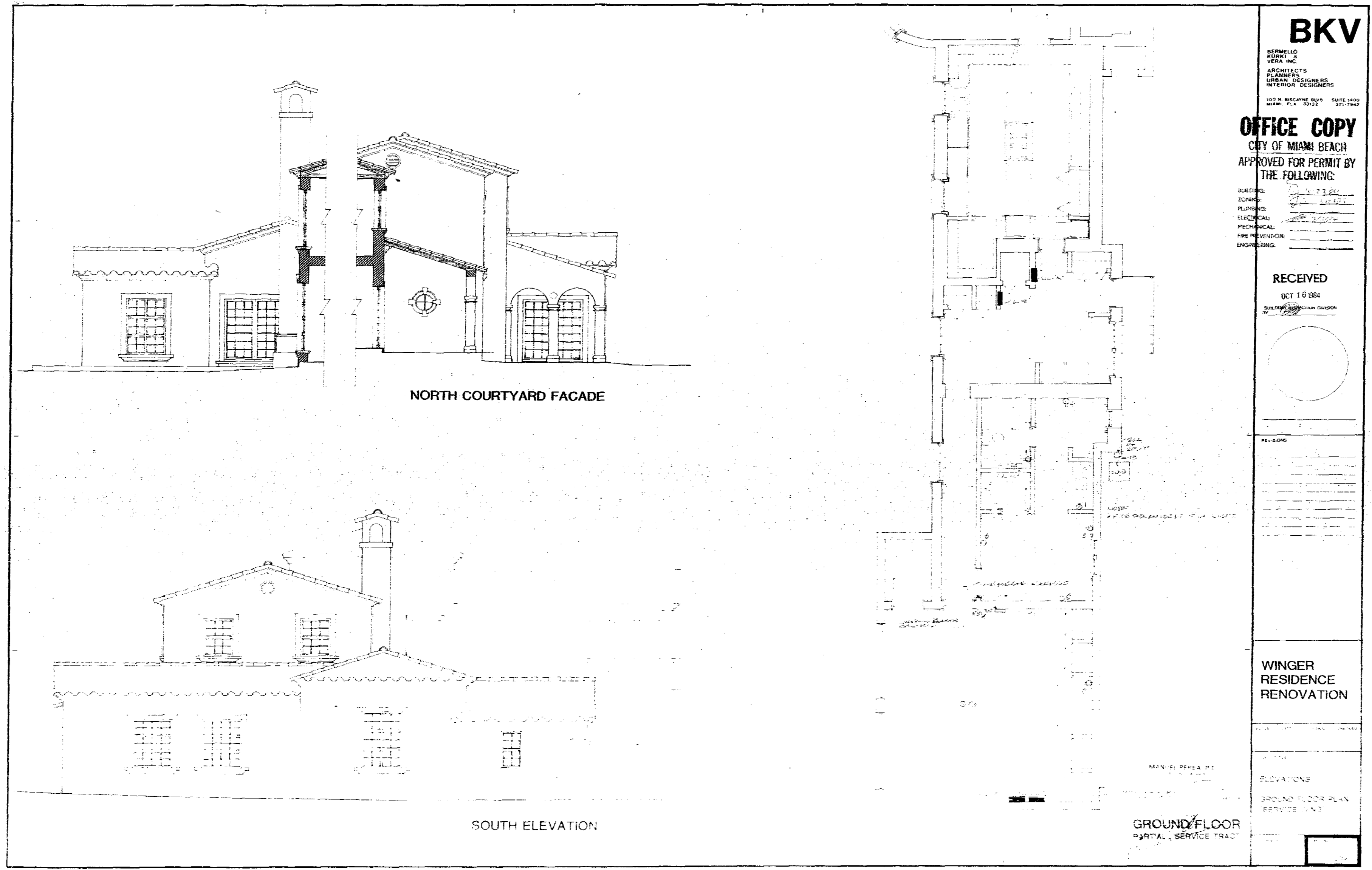
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 RENOVATION

NO.	DATE	BY	DESCRIPTION

ELEVATIONS  
 GROUND FLOOR PLAN  
 (SERVICE WING)

GROUND FLOOR  
 PARTIAL - SERVICE TRACT

91424



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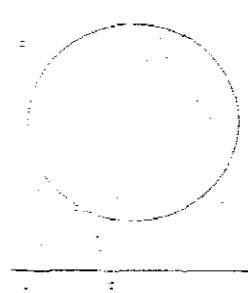
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BUILDING PERMITS DIVISION

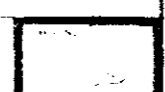


REVISIONS

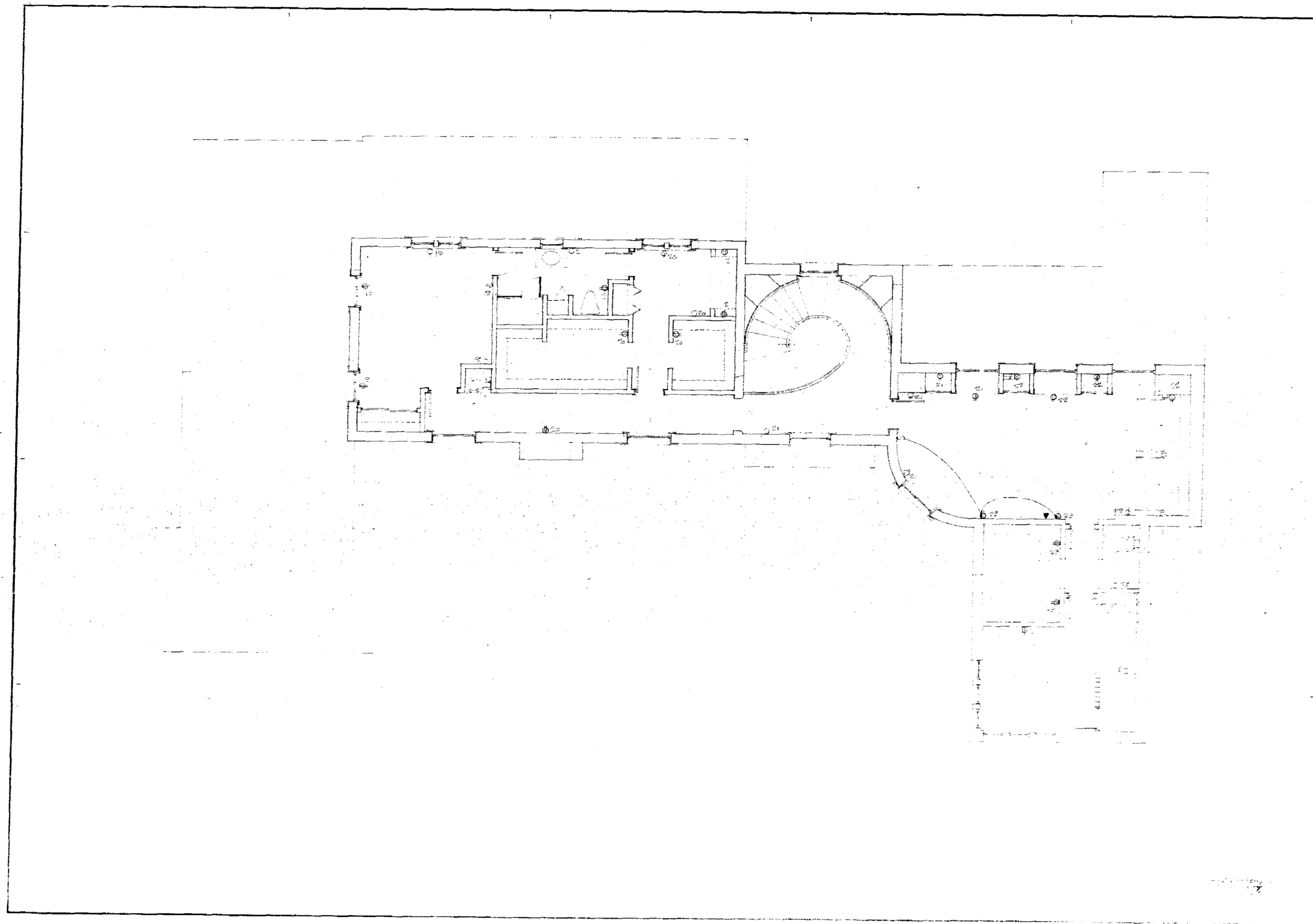
WINGER  
RESIDENCE  
RENOVATION

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

ELEVATIONS  
GROUND FLOOR PLAN  
SERVICE TRACT



**91424**



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BERNIELLO  
KURRY &  
VERA INC.  
ARCHITECTS  
PLANNERS  
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EXAMINE: \_\_\_\_\_  
ZONING: \_\_\_\_\_  
PLANNING: \_\_\_\_\_  
ELECTRICAL: \_\_\_\_\_  
MECHANICAL: \_\_\_\_\_  
FIRE PREVENTION: \_\_\_\_\_  
ENGINEERING: \_\_\_\_\_

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CITY OF MIAMI BEACH

REVISIONS

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MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

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

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

## NOTICE OF ACCEPTANCE (NOA)

PGT Industries  
1070 Technology Drive  
Nokomis, FL 3427

### SCOPE:

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

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

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

**DESCRIPTION:** 1"x Std. Wall-Aluminum Tube Clipped Mullion  
**APPROVAL DOCUMENT:** Drawing No. 6220, titled "1" STD. Mullion", sheets 1 through 5 of 5, prepared by PGT Industries, signed by Robert L. Clark, P.E., dated 04/28/00, with last revision on 05/30/06, bearing the Miami-Dade County Product Control Renewal Stamp with last the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING:** Large and Small Missile Impact  
**LABELING:** Each unit shall bear a permanent label with the manufacturer's name, logo, city, state and following statement: "Miami-Dade County Product Control Approved" and there has been no

**RENEWAL** of this NOA shall be considered after a renewal application is received 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 this NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA revises and renews NOA # 04-0528.04 and, consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



J. Gascon  
6/28/06

NOA No 06-0125.06  
Expiration Date: June 28, 2011  
Approval Date: July 20, 2006  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No 6220, Sheets 1 through 5 of 5, titled "1" STD. Wall, Elevations Aluminum Tube Clipped Mullion, prepared by PGT Industries, dated 04/28/00, with last revision on 05/30/06, signed and sealed by Robert L. Clark, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, FBC, TAS 201-94  
3) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram of a pair of fixed alum. windows (OO configuration) 60" x 54" mullied together with a 1x 2 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-2902, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.  
*"Submitted under NOA# 04-0528.04"*
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, FBC, TAS 201-94  
3) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram of a pair of fixed alum. windows (OO configuration) 80" x 76" mullied together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-2903, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.  
*"Submitted under NOA# 04-0528.04"*
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, FBC, TAS 201-94  
3) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram of a pair of fixed alum. windows with a transom lite (O/OO configuration) mullied together with a 1x 2 x 3/4" wall vertical mullion and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-2975, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.  
*"Submitted under NOA# 04-0528.04"*

**C. CALCULATIONS**

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Industries, dated 05/30/06, signed and sealed by Robert L. Clark, P.E.



**Jaime D. Gascon, P.E.**  
**Chief, Product Control Division**  
**NOA No 06-0125.06**  
**Expiration Date: June 28, 2011**  
**Approval Date: July 20, 2006**

**PGT Industries**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

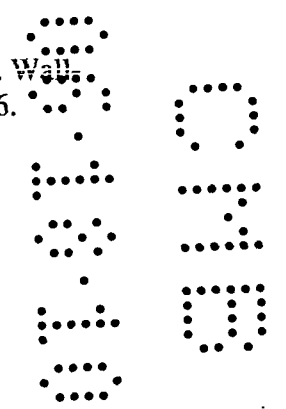
1. Notice of Acceptance No. **04-0721.01** issued to Elco Textron, Inc., for Tapcon Concrete Anchor, dated 03/09/06, expiring on 01/08/11.

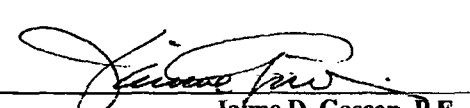
**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated 01/23/06, signed and sealed by Robert L. Clark, P.E.

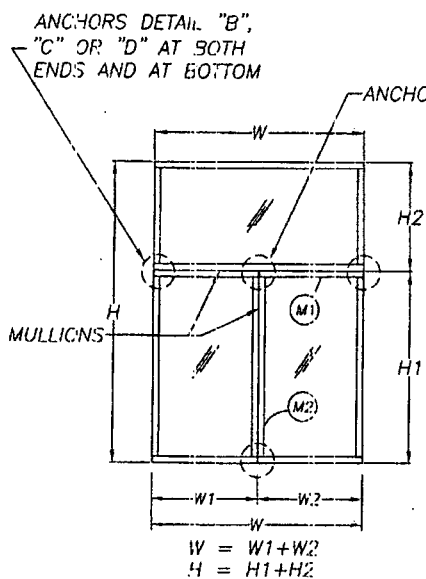
**G. OTHER**

1. Notice of Acceptance No. **04-0528.04**, issued to PGT Industries for 1" x Std. Wall Aluminum Tube Clipped Mullions, dated 07/08/04 and expiring on 06/28/06.





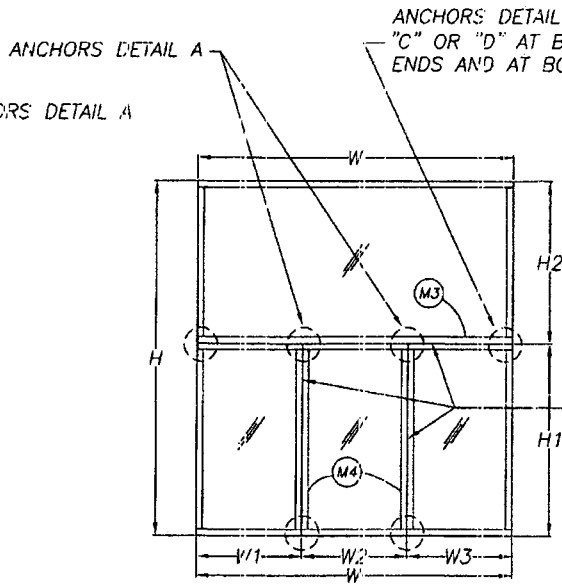
**Jaime D. Gascon, P.E.**  
Chief, Product Control Division  
NOA No 06-0125.06  
Expiration Date: June 28, 2011  
Approval Date: July 20, 2006



**(2) WINDOWS MULLED  
W/ONE ABOVE**

FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5

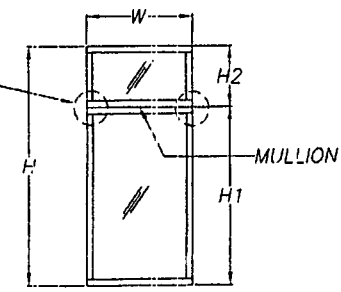
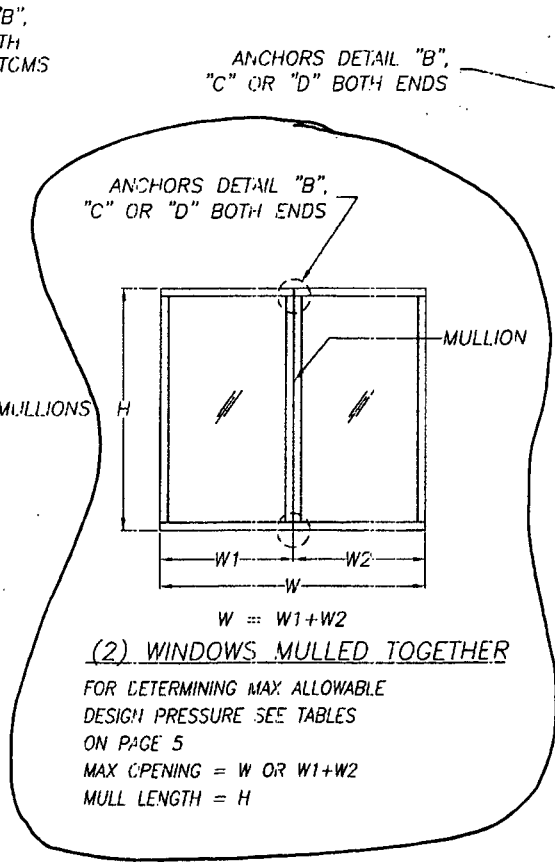
- M1) MAX OPENING = H OR H1+H2  
MULL LENGTH = W OR W1+W2
- M2) MAX OPENING = W OR W1+W2  
MULL LENGTH = H1



**MULTIPLE WINDOWS MULLED  
W/ONE ABOVE**

FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5

- M3) MAX OPENING = H OR H1+H2  
MULL LENGTH = W OR W1+W2+W3
- M4) MAX OPENING = W1+W2 OR W2+W3  
MULL LENGTH = H1



$H = H1 + H2$   
**(1) WINDOW MULLED  
W/ONE ABOVE**

FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5  
MAX OPENING = H OR H1+H2  
MULL LENGTH = W

- NOTES:**
1. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION, REFER TO SHEETS 2, 3 AND 5.
  2. WINDOWS AND DOORS OR COMBINATIONS THEREOF MAY BE MULLED TO A MAXIMUM OF (7) UNITS.
  3. MULLIONS ARE APPROVED FOR IMPACT AND NON-IMPACT APPLICATIONS.
  4. REFERENCE - TEST REPORTS: FTL-2902, 2903 AND 2975.  
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05  
ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION  
ADM-2000 ALUMINUM DESIGN MANUAL
  5. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2004 EDITION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
  6. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

PRODUCT REBUILD  
in compliance with the Florida  
Building Code  
Acceptance No. 06-0125.04  
Expiration Date 12/1/07  
By: [Signature]  
National Window Product Council  
D/Adm

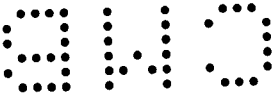
**TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS**

*[Signature]*  
Robert E. Clark P.E.  
PE #3972  
Structural

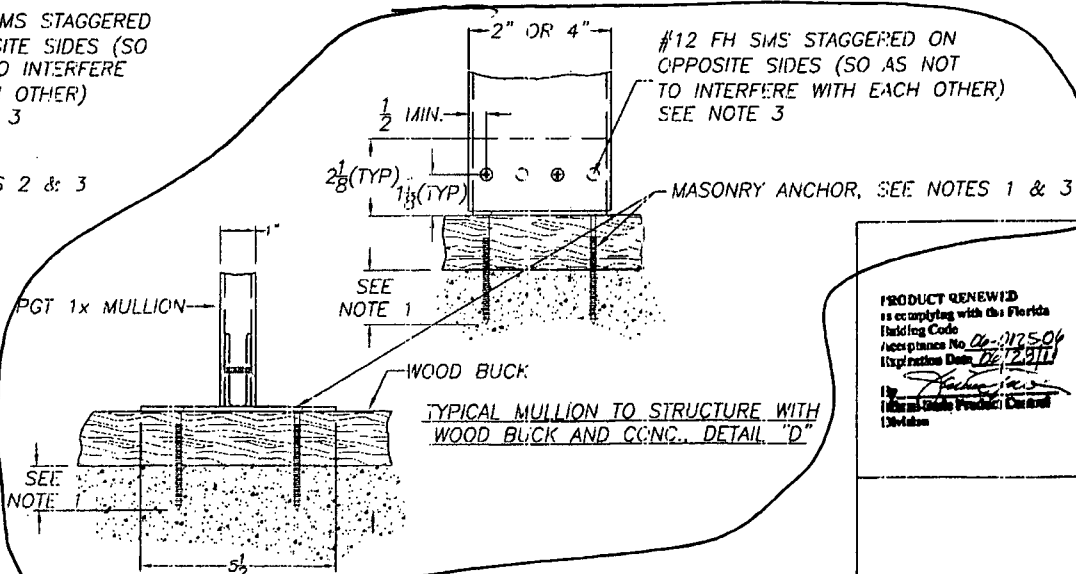
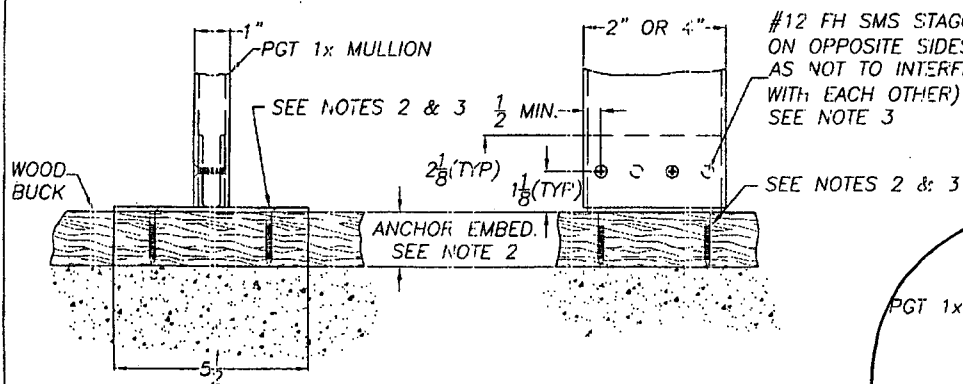
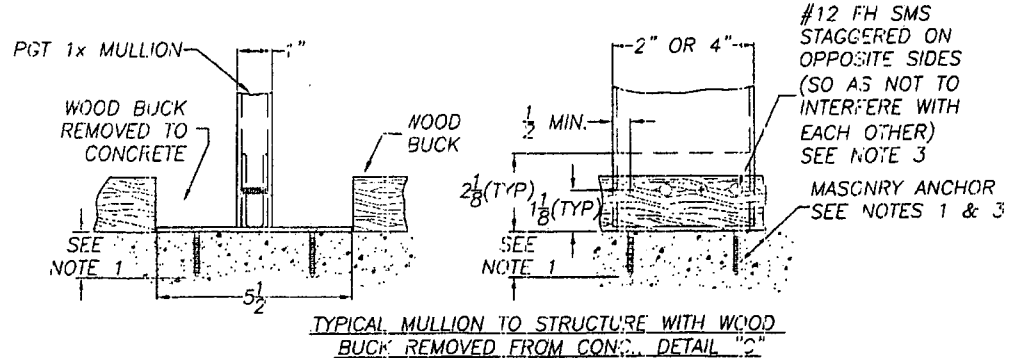
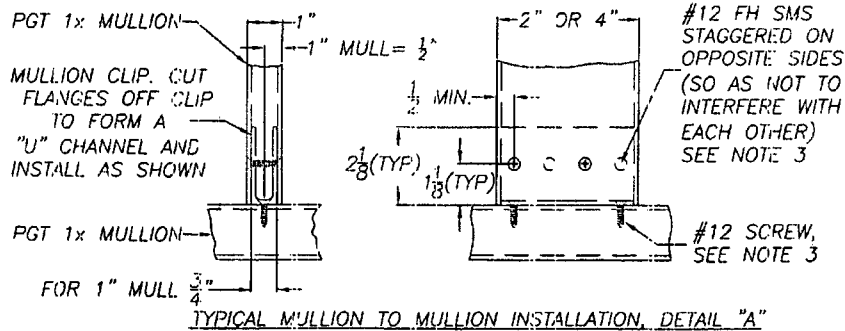
**PGT  
INDUSTRIES**  
7070 TECHNOLOGY DRIVE  
NOKOMIS, FL 32475  
P.O. BOX 1529  
NOKOMIS, FL 32474

Revised By: F.K.	Date: 5/30/06	Revisions: D-ADD NOTES: 5 & 6
Revised By: F.K.	Date: 5/8/06	Revisions: C-ADD TECH. REFS.
Drawn By: P.J.P.	Date: 4/28/00	
Description: <b>1" STANDARD WALL, ELEVATIONS</b>		
Title: <b>ALUMINUM TUBE CLIPPED MULLION</b>		
Series/Model: MULLS	Scale: NTS	Sheet: 1 of 5

Drawing No. <b>6220</b>	Rev: <b>D</b>
----------------------------	------------------







**NOTES:**

- FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MASONRY ANCHORS. MINIMUM DISTANCE FROM CENTER OF ANCHORS TO CONCRETE EDGE IS 2 1/2" MIN. EMBEDMENT: TAPCONS 1 1/4", CRETE-FLEX 1 3/4"
- FOR WOOD APPLICATIONS USE #12 SCREWS, ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MASONRY ANCHORS. MIN. EMBEDMENT 1 1/2"
- ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- FOR MULL SIZE AND QUANTITY OF ANCHORS SEE SHEET 5. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF PINNING SCREWS FOR MULL-TO-CLIP TO BE HALF THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING (MINIMUM OF 2 SCREWS PER CLIP).
- IMPORTANT:** QUANTITY OF ANCHORS SHOWN ABOVE ARE FOR PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS, REFER TO CHARTS 1 AND 2 ON SHEET 5. FIND THE APPLICABLE MULL SIZE AND PRESSURE REQUIRED FOR YOUR SPECIFIC APPLICATION. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.
- REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0175-04  
 Inspection Date 12/2/11  
 By [Signature]  
 Florida Building Products Council  
 Tallahassee

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

*[Signature]*  
 Robert A. Clifton P.E.  
 PE #39712  
 Structural



078 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275

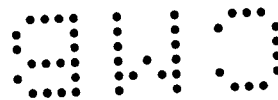
P.O. BOX 1529  
 NOKOMIS, FL 34274

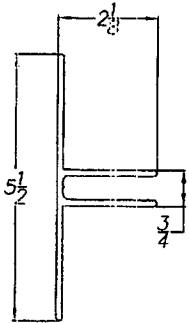
Revised By: F.K.	Date: 5/30/06	Revisions: D-MODIFY NOTES 3 & 5
Revised By: F.K.	Date: 5/8/06	Revisions: C-ADD EMBED. DETAILS
Drawn By: P.J.F.	Date: 4/28/00	

Description:  
 1" STD. WALL, CLIP INSTALLATION DETAIL

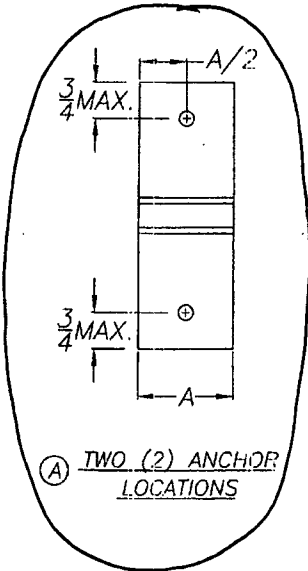
Title:  
 ALUMINUM TUBE CLIPPED MULLION

Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
MULLS	NTS	2 of 5	6220	D

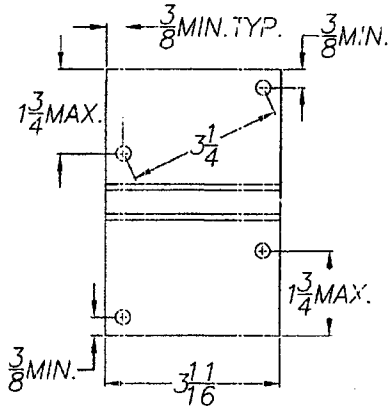




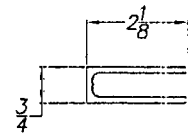
1" MULL CLIP  
(CLIP TO OPENING)  
EXTRUSION DWG #1099



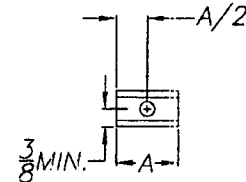
(A) TWO (2) ANCHOR LOCATIONS



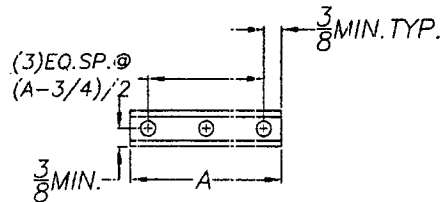
(B) FOUR (4) ANCHOR LOCATIONS



1" MULL CLIP  
W/TABS REMOVED  
(CLIP TO MULL)  
EXTRUSION DWG #1099



(1) ONE (1) ANCHOR LOCATION



(2) THREE (3) ANCHOR LOCATIONS

PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 06-1125-06  
Expiration Date 06/1/2011  
By: [Signature]  
PGT Industries Product Control  
Division

**NOTES:**

- IMPORTANT: QUANTITY OF ANCHORS SHOWN ARE FOR PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS, PLEASE REFER TO CHARTS 1 AND 2 ON SHEET 5. FIND THE CORRECT MULL SIZE AND PRESSURE REQUIRED FOR YOUR SPECIFIC APPLICATION.
- 3/8 MIN. EDGE DISTANCE APPLIES TO ALL DIMENSION SHOWN AS MAX.
- REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975

CLIP LENGTH CHART FOR 1x MULL	
MULL SIZE	'A'
1 x 2 x 1/8	1 11/16
1 x 4 x 1/8	3 11/16

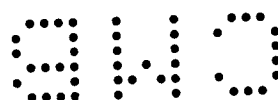
**TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS**

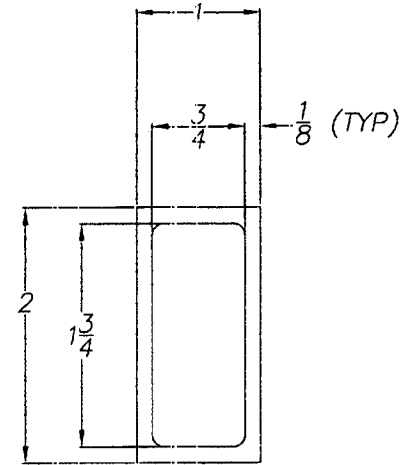
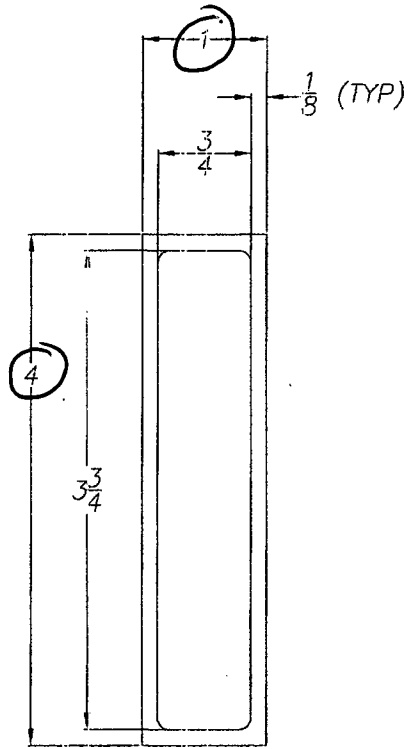
*[Signature]*  
Robert L. Clark, P.E.  
PE #3972  
Structural



07 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

Revised By: F.K.	Date: 5/30/06	Revisions: D-NO CHG THIS SHY
Revised By: F.K.	Date: 5/8/06	Revisions: C-REVISE SPACING
Drawn By: P.J.P.	Date: 4/28/00	
Description: 1" STD. WALL, ANCHOR LOCATIONS		
Title: ALUMINUM TUBE CLIPPED MULLION		
Series/Model: MULLS	Scale: NTS	Sheet: 3 of 5
		Drawing No. 6220
		Rev: D





1x STD. WALL MULLS

MAT'L: 6063-T6

PRODUCT REVIEWED  
 as complying with II a Florida  
 Building Code  
 Acceptance No. 06-2115-04  
 Expiration Date 06/12/11  
 By [Signature]  
 Metal Fabric Products Control  
 Division

NOTE:

1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

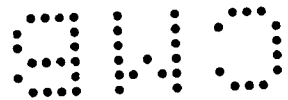
*[Signature]*  
 Robert L. Cliché, P.E.  
 PE 139712  
 Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS



072 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274

Revised By: F.X.	Date: 1/9/06	Revisions: B-NO CHG THIS SHT.
Revised By: F.X.	Date: 5/8/06	Revisions: C-NO CHG THIS SHT
Drawn By: P.I.P.	Date: 4/28/02	
Description: 1" STD. WALL, MULLION PROFILES		
Title: ALUMINUM TUBE CLIPPED MULLION		
Series/Model: MULLS	Scale: 1X	Sheet: 4 of 5
Drawing No. 6220		Rev: D

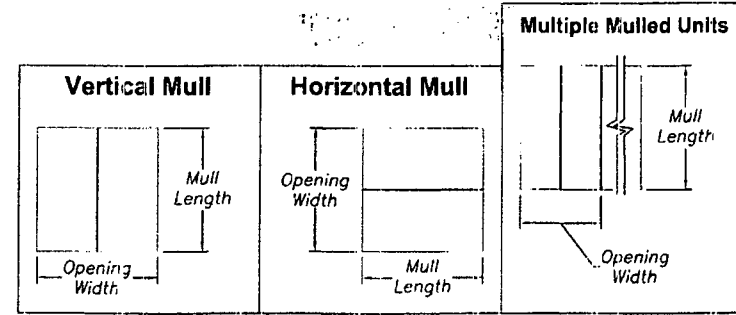


**CHART 1. - 1x2x.125**

QTY. & TYP.		OPENING WIDTH IN INCHES									
ANCHOR		50	60	70	80	90	100	110	120	130	160
CLIP TO OPENING	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A
	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B
CLIP TO MULL		(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B
MULL LENGTH IN INCHES	42	129	115	107	104	103	103	103	103	103	103
	48	83	73	67	63	61	61	61	61	61	61
	50.625	70	61	55	52	50	49	49	49	49	49
	54	57	49	44	41	39	38	38	38	38	38
	60	41	35	31	29	27	26	25	25	25	25
	63	35	30	27	24	23	22	21	20	20	20
	66	30	26	23	21	19	18	18	17	17	17
	72	23	20	17	16	-	-	-	-	-	-
	76	20	17	15	-	-	-	-	-	-	-
	78	18	15	-	-	-	-	-	-	-	-

**CHART 2. - 1x4x.125**

QTY. & TYP.		OPENING WIDTH IN INCHES									
ANCHOR		50	60	70	80	90	100	110	120	130	160
CLIP TO OPENING	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A	(2) A
	(4) B	(4) B	(4) B	(4) B	(4) B	(4) B	(4) B	(4) B	(4) B	(4) B	(4) B
CLIP TO MULL		(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170
	48	170	170	170	170	170	170	170	170	170	170
	50.625	170	170	170	170	170	170	170	170	170	170
	54	170	170	170	170	162	158	157	157	157	157
	60	170	170	157	143	134	127	124	122	122	122
	63	170	160	141	128	119	112	108	106	106	105
	66	170	145	127	115	106	100	96	93	92	92
	72	142	120	105	95	87	81	77	74	72	71
	76	120	102	90	81	74	69	65	63	61	59
	78	111	94	83	74	68	63	60	57	55	53
	84	88	75	65	59	53	49	46	44	42	40
	90	72	60	53	47	43	39	37	35	33	31
	96	59	50	43	38	35	32	30	28	27	24
	108	41	35	30	27	24	22	20	19	18	16
111	38	32	28	24	22	20	19	17	16	-	
144	17	-	-	-	-	-	-	-	-	-	



- NOTES:**
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
  2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
  3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975
  4. ANCHOR TYPES: A. ELCO 1/4" TAPCONS, EMBED. (1 1/4") OR 1/4" SS4 CRETE-FLEX, EMBED. (1 3/4")  
B. #12 SCREWS
  5. SEE ANCHOR SPACING DETAILS SHEET 3.

PRODUCT REVIEWED  
in compliance with the Florida  
Building Code  
Acceptance No. 06-0175-06  
Expiration Date: 07-31-11

F-F

5-5A

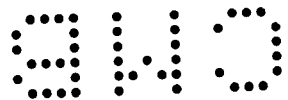
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS



070 TECHNOLOGY DRIVE  
NOKOMIS, FL 32755  
P.O. BOX 1529  
NOKOMIS, FL 32774

Robert L. Clark, P.E.  
PE #39713  
Structural

Revised By: F.R.	Date: 5/30/05	Revisions: 2-NO CHG THIS SHI
Revised By: F.R.	Date: 5/8/04	Revisions: C-MARKED CHANGES
Drawn By: P.J.P.	Date: 4/28/00	
Description: 1" STD. WALL, PRESSURE CHARTS 1 & 2		
Title: ALUMINUM TUBE CLIPPED MULLION		
Series/Model: MULLS	Scale: NTS	Sheet: 5 of 5
Drawing No. 6220	Rev: D	





BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Smith Mountain Impact Systems by Pande Pane**  
11305 N.W. 128 Street  
Medley, FL 33178

**SCOPE:**

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (other than Miami Dade County) reserve the right to have this product or material tested for other 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 this product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

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

**DESCRIPTION: Series "SMI-175" Aluminum Window Wall System - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. W03-0925.01 Series SMI-175 Aluminum Window Wall (L.M.I.), sheets 1 through 8 of 8, dated 08/11/2003 with Supplement dated 09/26/2005, prepared by Al Farooq Corporation, DATED 06/08/2007, signed and sealed by Hurrayoun Farooq, 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 Division.

**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 and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA revises and renews NOA # 03-0925.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



J-Gascon  
10/24/07

NOA No. 07-0924.02  
Expiration Date: November 21, 2012  
Approval Date: November 15, 2007

Smith Mountain Impact Systems by Pande Pane

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-64**, titled "Series SMI-175 Aluminum Window Wall (L.M.I.)", sheets 1 through 8 of 8, dated 08/11/2003 with revision c dated 09/26/2005, prepared by Al-Farooq Corporation, DATED 06/08/2007, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) 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 window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3721** dated 03/26/2003, signed and sealed by Joseph Chan, P.E.  
(Submitted under NOA#03-0925.01)
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3833** dated 08/05/2003, signed and sealed by Joseph Chan, P.E.  
(Submitted under NOA#03-0925.01)
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3465** dated 7/17/2002, signed and sealed by James Worth, P.E.  
(Submitted under NOA#03-0925.01)



Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No. 07-0924.02

Expiration Date: November 21, 2012  
Approval Date: November 15, 2007

**Smith Mountain Impact Systems by Pande Pane**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 06/08/2007, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

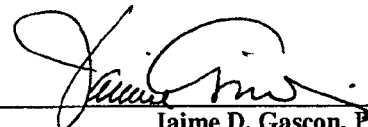
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex III G Clear or colored Interlayer" dated 05/04/2006, expiring on 05/21/2011.
2. Notice of Acceptance No. **03-1117.05** issued to Surface Specialties, Inc. for their "Uvekols - Liq. Resin to adhere Glass" dated 01/29/2004, expiring on 02/08/2009.

**F. STATEMENTS**

1. Statement letter of conformance, no financial interest and independent, dated 04/26/2007, signed and sealed by Humayoun Farooq, P.E.
2. Laboratory compliance letter for Test Report no. FTL 02051, issued by Fenestration Testing Laboratory, Inc., dated 8/8/02, signed and sealed by James Worth, P.E.  
*(Submitted under NOA#03-0925.01)*
3. Laboratory compliance letter for Test Report no. FTL 3721 issued by Fenestration Testing Laboratory, Inc., dated 4/15/03, signed and sealed by Joseph Chan, P.E.  
*(Submitted under NOA#03-0925.01)*
4. Laboratory compliance letter for Test Report no. FTL 3833 issued by Fenestration Testing Laboratory, Inc., dated 8/7/03, signed and sealed by Joseph Chan, P.E.  
*(Submitted under NOA#03-0925.01)*

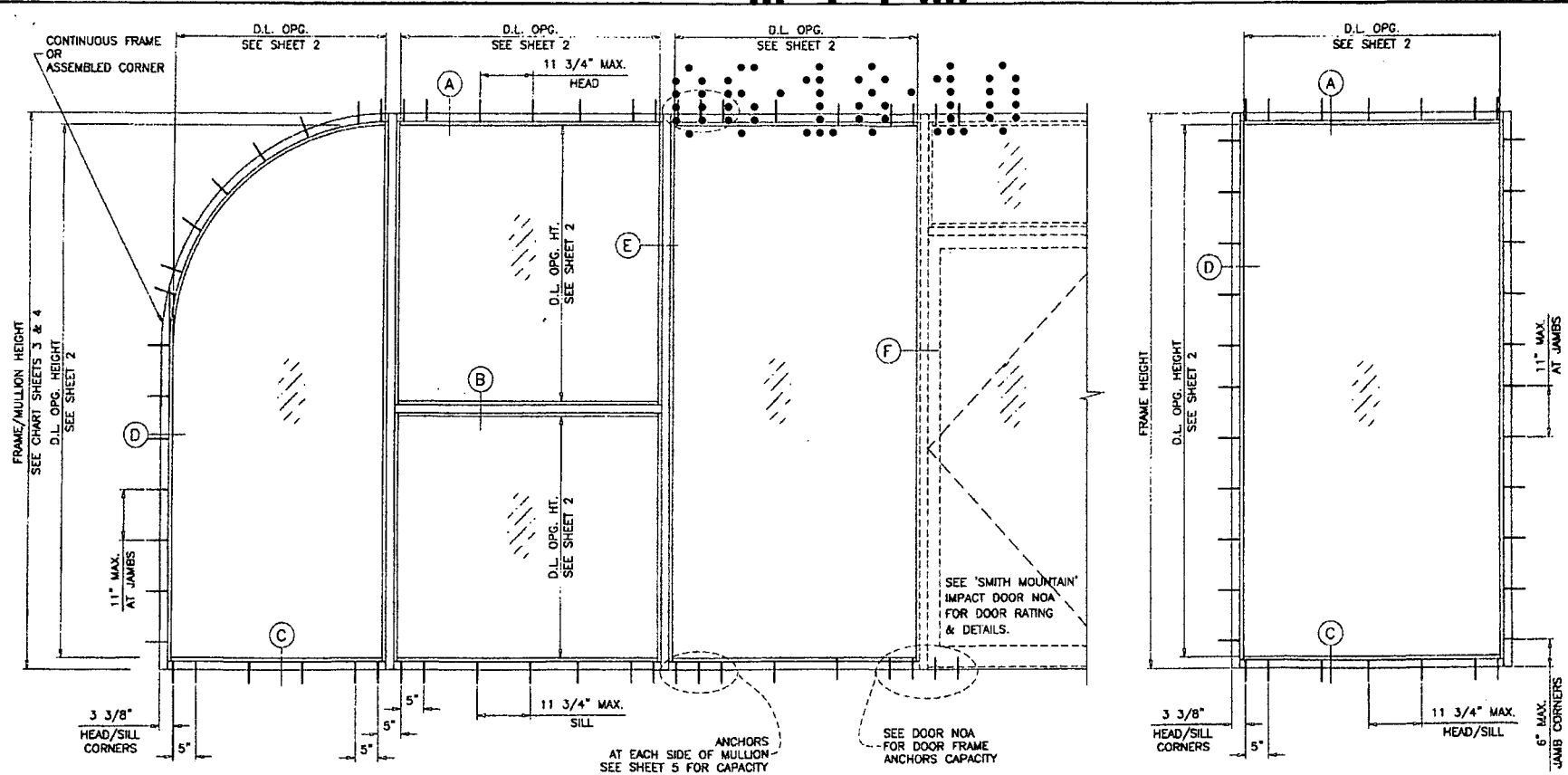
**G. OTHER**

1. Notice of Acceptance No. **03-0925.01**, issued to Smith Mountain Impact Systems by Pande Pane for their Series "SMI-175 Aluminum Window Wall (L.M.I.)", approved on 12/04/2003 and expiring on 11/21/2007.



Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No. 07-0924.02  
Expiration Date: November 21, 2012  
Approval Date: November 15, 2007

D.M.S.



**SERIES SMI-175 ALUM WINDOW WALL**

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

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION 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 IN ALLOWABLE STRESS 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 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

**TYPICAL ELEVATIONS**

**INSTRUCTIONS:**

USE CHARTS AS FOLLOWS.

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

**LAMINATED GLASS  
LARGE MISSILE IMPACT**

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 18557  
CAN. 3536

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-9944-02  
Expiration Date 11/21/2012

By: *[Signature]*  
Miami Dade Product Control  
Division

*JUN - 8 2007*

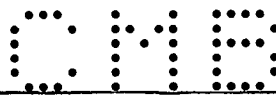
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-4976  
COMP-ANI\W03-64SIA

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
11305 N.W. 128 STREET  
MEDLEY, FL. 33178  
TEL. (305) 888-6788 FAX. (305) 888-6289

REVISIONS:	DATE	DESCRIPTION
A	10.21.04	NO CHANGE THIS SHEET
B	02.11.04	NOTES REV.
C	02.26.04	UPDATED FOR 2004 FBC

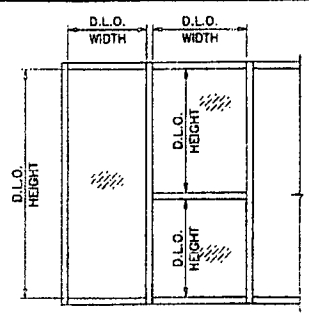
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chk. by:  
drawing no. **W03-64**  
sheet 1 of 8



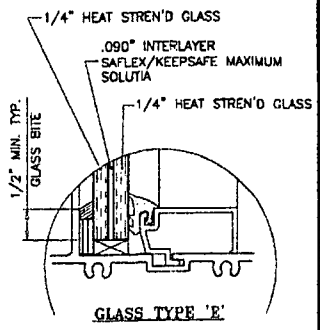
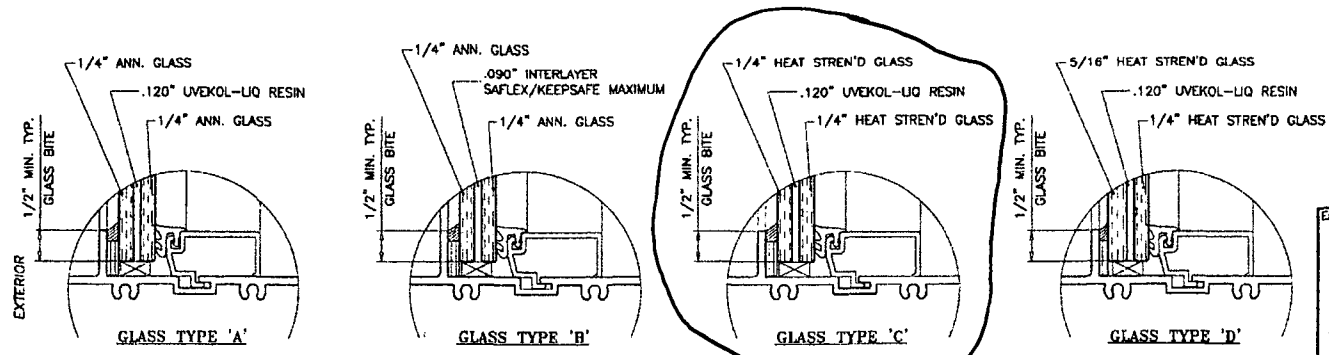


GLASS LOAD CAPACITY - PSF						
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)
20"	74"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	120.0	100.0	90.0
38"		63.0	63.0	108.9	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	90.0
56"		63.0	-	100.0	100.0	90.0
60"	63.0	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	
20"	80"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	120.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	90.0
56"		63.0	-	100.0	100.0	-
60"	-	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	
20"	86"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	120.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	-
56"		63.0	-	100.0	100.0	-
60"	-	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	
20"	82"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	110.8	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	-
56"		63.0	-	100.0	100.0	-
60"	-	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	

GLASS LOAD CAPACITY - PSF						
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)
20"	98"	63.0	63.0	20.0	100.0	90.0
26"		63.0	63.0	20.0	100.0	90.0
32"		63.0	63.0	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	-
50"		63.0	-	100.0	100.0	-
56"		63.0	-	100.0	100.0	-
60"	-	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	
20"	104"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	-
50"		63.0	-	100.0	100.0	-
56"		63.0	-	100.0	100.0	-
60"	-	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	
20"	110"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	-
44"		63.0	-	100.0	100.0	-
50"		63.0	-	100.0	100.0	-
56"		63.0	-	100.0	100.0	-
60"	-	-	100.0	100.0	-	
66"	-	-	100.0	100.0	-	
20"	116"	63.0	63.0	120.0	100.0	90.0
26"		63.0	-	100.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	-
44"		63.0	-	100.0	100.0	-
50"		63.0	-	100.0	100.0	-
56"		63.0	-	100.0	100.0	-



NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02 (3 SEC. GUSTS).



Engr. DR. HUMAYOUN FAROOD  
STRUCTURES  
FLA. PE # 18557  
C.A.N. 3538

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0964-02  
Expiration Date 11/21/2012.  
By: *[Signature]*  
Miami Blvd. Product Control  
Division

**afcs**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 268-8100 FAX. (305) 268-8978  
COMP-ANL\W03-64SM

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SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
11305 N.W. 128 STREET  
MEDLEY, FL. 33178  
TEL. (305) 868-6286 FAX. (305) 868-6289

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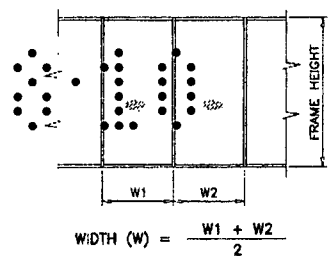
NO.	DATE	DESCRIPTION
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B	02.13.04	GLASS TYPE E ADDED
C	06.26.05	NOTE ADDED

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dr. by: HAND  
chk. by:

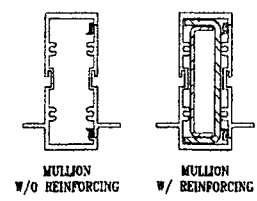
drawing no. **W03-64**  
sheet 2 of 8

# MOUNTAIN



MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	100.0	120.0
66"	100.0	100.0	90.0	100.0	
24"	78"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	90.0	100.0
66"	100.0	100.0	90.0	100.0	
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		99.9	99.9	90.0	100.0
66"	-	-	90.0	100.0	
24"	90"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		98.7	98.7	100.0	120.0
54"		90.2	90.2	90.0	100.0
60"		-	-	90.0	100.0
66"	-	-	90.0	100.0	
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		95.0	95.0	100.0	120.0
48"		84.9	84.9	90.0	100.0
54"		77.3	77.3	90.0	100.0
60"		-	-	90.0	100.0
66"	-	-	90.0	100.0	
24"	102"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		91.1	91.1	100.0	120.0
42"		79.5	79.5	100.0	120.0
48"		71.1	71.1	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"	-	-	90.0	100.0	

MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	108"	100.0	100.0	100.0	120.0
30"		90.3	90.3	100.0	120.0
36"		76.3	76.3	100.0	120.0
42"		66.5	66.5	100.0	119.9
48"		59.3	59.3	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	99.2
66"	-	-	90.0	92.5	
24"	114"	94.7	94.7	100.0	120.0
30"		76.5	76.5	100.0	120.0
36"		84.6	84.6	100.0	120.0
42"		56.2	56.2	100.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	96.0
60"		-	-	88.0	88.0
24"	120"	81.1	81.1	100.0	120.0
30"		65.4	65.4	100.0	120.0
36"		55.1	55.1	100.0	120.0
42"		47.9	47.9	90.0	100.0
48"		-	-	90.0	95.3
54"		-	-	85.9	85.9
60"		-	-	78.7	78.7



Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 18557  
C.A.N. 3538

JUN - 8 2007

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0924-02  
Expiration Date 11/21/2012

By: *[Signature]*  
Miami Inade Product Control  
Division

**af c**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
12305 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 964-8100 FAX. (305) 262-6978  
COMP-ANL-W03-64SM

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)

**SMITH MOUNTAIN IMPACT SYSTEMS**  
11305 N.W. 128 STREET  
MEDLEY, FL. 33178  
TEL. (305) 888-6288 FAX. (305) 888-6289

REVISIONS:	
NO.	DATE
A	10/23/03
B	03/13/04
C	09/26/05

BY: DESCRIPTION  
NO CHANGE THIS SHEET  
JAMES CHARTERED  
CHART REV.

date: 08-11-03  
scale: 1/2"=1'-0"  
des. by: HAVID  
chk. by:

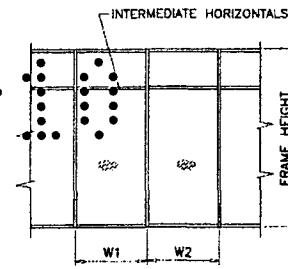
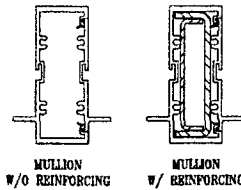
drawing no.  
**W03-64**

sheet 3 of 8

D.M.

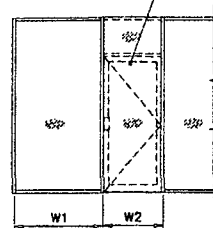
MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	100.0	120.0
66"		100.0	100.0	100.0	100.0
24"	78"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		97.2	97.2	90.0	100.0
66"		88.4	88.4	90.0	100.0
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		92.2	92.2	100.0	119.9
60"		83.0	83.0	90.0	100.0
66"		-	-	90.0	100.0
24"	90"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		89.5	89.5	100.0	120.0
54"		79.6	79.6	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		89.1	89.1	100.0	120.0
48"		78.0	78.0	90.0	100.0
54"		69.3	69.3	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	102"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		88.8	88.8	100.0	120.0
42"		74.4	74.4	100.0	120.0
48"		65.1	65.1	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	90.9

MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	108"	100.0	100.0	100.0	120.0
30"		87.7	87.7	100.0	120.0
36"		73.1	73.1	100.0	120.0
42"		62.7	62.7	100.0	119.9
48"		54.8	54.8	90.0	100.0
54"		-	-	90.0	99.1
60"		-	-	89.2	89.2
66"		-	-	81.1	81.1
24"	114"	93.2	93.2	100.0	120.0
30"		74.6	74.6	100.0	120.0
36"		62.2	62.2	100.0	120.0
42"		53.3	53.3	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	89.0	89.0
60"		-	-	80.1	80.1
24"		120"	79.9	79.9	100.0
30"	64.0		64.0	100.0	120.0
36"	53.3		53.3	100.0	120.0
42"	45.7		45.7	90.0	100.0
48"	-		-	90.0	90.3
54"	-		-	80.3	80.3
60"	-		-	72.3	72.3



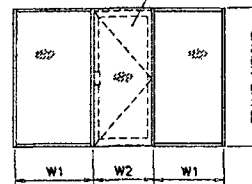
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

SMITH MOUNTAIN DOORS  
SEE SEPARATE NOA



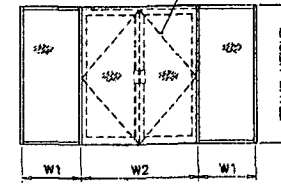
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

SMITH MOUNTAIN DOORS  
SEE SEPARATE NOA



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

SMITH MOUNTAIN DOORS  
SEE SEPARATE NOA



$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4}$$

Engr: DR. HUNAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 18957  
C.A.N. 3538

JUN - 5 2007

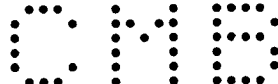
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0924-02  
Expiration Date 11/17/2012  
By: *[Signature]*  
Miami Trade Product Control  
Division

**afC**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-6100      FAX. (305) 262-6978  
COMP - ANL W03-64SM

SERIES SM-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
11305 N.W. 128 STREET  
MEDLEY, FL. 33178  
TEL. (305) 888-6288      FAX. (305) 888-6289

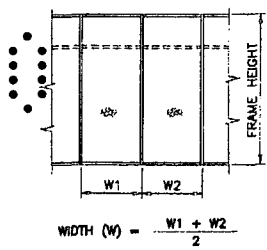
REVISIONS:	NO.	DATE	DESCRIPTION
	1	09.16.05	SHEET ADDD

date: 08-11-03  
scale: 1/2"=1'-0"  
dr. by: H.A.U.D.  
chk. by:  
drawing no. **W03-64**  
sheet 4 of 8

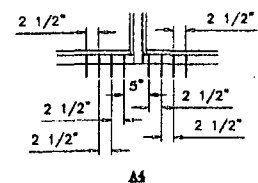
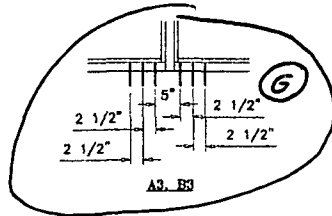
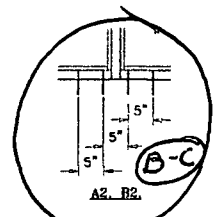


ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
24"	72"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		107.4	120.0	120.0	120.0	120.0
48"		94.0	120.0	120.0	120.0	120.0
54"		83.6	120.0	120.0	117.0	120.0
60"	78"	75.2	112.8	120.0	105.3	120.0
66"		68.4	102.5	120.0	95.8	120.0
24"		120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		115.7	120.0	120.0	120.0	120.0
42"		99.2	120.0	120.0	120.0	120.0
48"	86.8	120.0	120.0	120.0	120.0	
54"	77.1	115.7	120.0	108.0	120.0	
60"	69.4	104.1	120.0	97.2	120.0	
66"	63.1	94.7	120.0	88.4	120.0	
24"	84"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		107.4	120.0	120.0	120.0	120.0
42"		92.1	120.0	120.0	120.0	120.0
48"		80.6	120.0	120.0	112.9	120.0
54"		71.6	107.4	120.0	100.3	120.0
60"	64.5	96.7	120.0	90.3	120.0	
66"	58.6	87.9	117.2	82.1	120.0	
24"	90"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		100.3	120.0	120.0	120.0	120.0
42"		85.9	120.0	120.0	120.0	120.0
48"		75.2	112.8	120.0	105.3	120.0
54"		66.8	100.3	120.0	93.6	120.0
60"	60.2	90.2	120.0	84.1	120.0	
66"	54.7	82.0	109.4	76.6	114.9	
24"	96"	120.0	120.0	120.0	120.0	120.0
30"		112.8	120.0	120.0	120.0	120.0
36"		94.0	120.0	120.0	120.0	120.0
42"		80.6	120.0	120.0	112.9	120.0
48"		70.5	105.8	120.0	98.8	120.0
54"		62.7	94.0	120.0	87.8	120.0
60"	56.4	84.6	112.8	79.0	118.5	
66"	51.3	76.9	102.5	71.6	107.7	
24"	102"	120.0	120.0	120.0	120.0	120.0
30"		106.2	120.0	120.0	120.0	120.0
36"		88.5	120.0	120.0	120.0	120.0
42"		75.8	113.7	120.0	106.2	120.0
48"		66.4	99.5	120.0	92.9	120.0
54"		59.0	88.5	118.0	82.6	120.0
60"	53.1	79.6	108.2	74.4	111.5	
66"	48.3	72.4	98.5	67.8	101.4	

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
24"	108"	120.0	120.0	120.0	120.0	120.0
30"		100.3	120.0	120.0	120.0	120.0
36"		83.6	120.0	120.0	117.0	120.0
42"		71.6	107.4	120.0	100.3	120.0
48"		62.7	94.0	120.0	87.8	120.0
54"		55.7	83.6	111.4	78.0	117.0
60"	50.1	75.2	100.3	70.2	105.3	
66"	45.6	68.4	91.2	63.8	95.8	
24"	114"	118.7	120.0	120.0	120.0	120.0
30"		95.0	120.0	120.0	120.0	120.0
36"		79.2	118.7	120.0	110.9	120.0
42"		67.8	101.8	120.0	95.0	120.0
48"		59.4	89.1	118.7	83.2	120.0
54"		52.8	79.2	105.5	73.9	110.9
60"	47.5	71.2	95.0	66.5	99.8	
24"	120"	112.8	120.0	120.0	120.0	120.0
30"		90.2	120.0	120.0	120.0	120.0
36"		75.2	112.8	120.0	105.3	120.0
42"		64.5	96.7	120.0	90.3	120.0
48"		56.4	84.6	112.8	79.0	118.5
54"		50.1	75.2	100.3	70.2	105.3
60"	45.1	67.7	90.2	63.2	94.8	



ANCHORS TYPES; SEE SHEET 6 FOR DESCRIPTION  
 A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION  
 B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION  
 A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION  
 B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION  
 A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION  
 ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 18957  
 C.A.N. 3538

JUN - B 2007 PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0122-02  
 Expiration Date 11/1/2007  
 By: *[Signature]*  
 Miami Code Product Control  
 Division

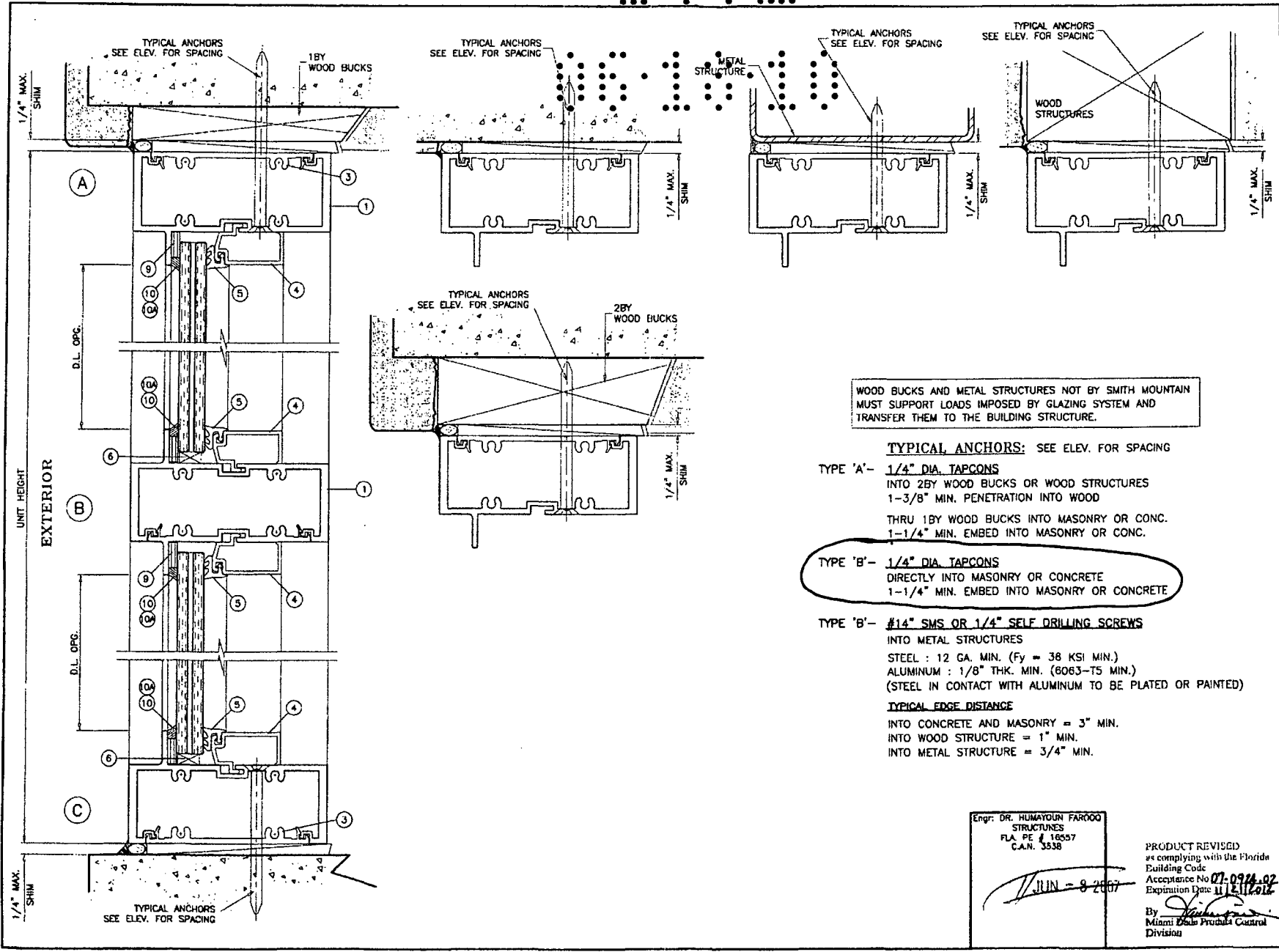
**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 12315 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL: (305) 264-8100 FAX: (305) 262-8978  
 COMP-AIL W03-645U

SERIES SM-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11305 N.W. 128 STREET  
 MEDLEY, FL. 33176  
 TEL (305) 888-6288 FAX (305) 888-6289

NO	DATE	BY	DESCRIPTION
A	10.23.03		NO CHANGE THIS SHEET
B	02.13.04		CHART REV.
C	09.28.05		CHART REV.

Date: 08-11-03  
 Scale: 1/2"=1'-0"  
 dr. by: HMMO  
 CHK. by:  
 drawing no.  
**W03-64**  
 sheet 5 of 8

CMB



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

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

**TYPE 'A'**- 1/4" DIA. TAPCONS  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-3/8" MIN. PENETRATION INTO WOOD  
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.  
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.

**TYPE 'B'**- 1/4" DIA. TAPCONS  
 DIRECTLY INTO MASONRY OR CONCRETE  
 1-1/4" MIN. EMBED INTO MASONRY OR CONCRETE

**TYPE 'B'**- #14" SMS OR 1/4" SELF DRILLING SCREWS  
 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 = 3" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.

Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 18557  
 C.A.N. 3538

JUN - 9 2007

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0976-02  
 Expiration Date 11/11/2012

By *[Signature]*  
 Miami Door Products Central  
 Division

**af c**

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-9100 FAX. (305) 262-6878  
 COMP-ANL W03-64SM

---

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11305 N.W. 128 STREET  
 MEDLEY, FL. 33178  
 TEL. (305) 888-6288 FAX. (305) 888-8289

---

(10) 03018 BY DISSECTION	GLAZING COMPOUND 10A ADDED
A 10.2.2.0.0	NO CHANGE THIS SHEET
B 10.1.1.0.0	
C 09.29.0.00	ANCHORS REV.

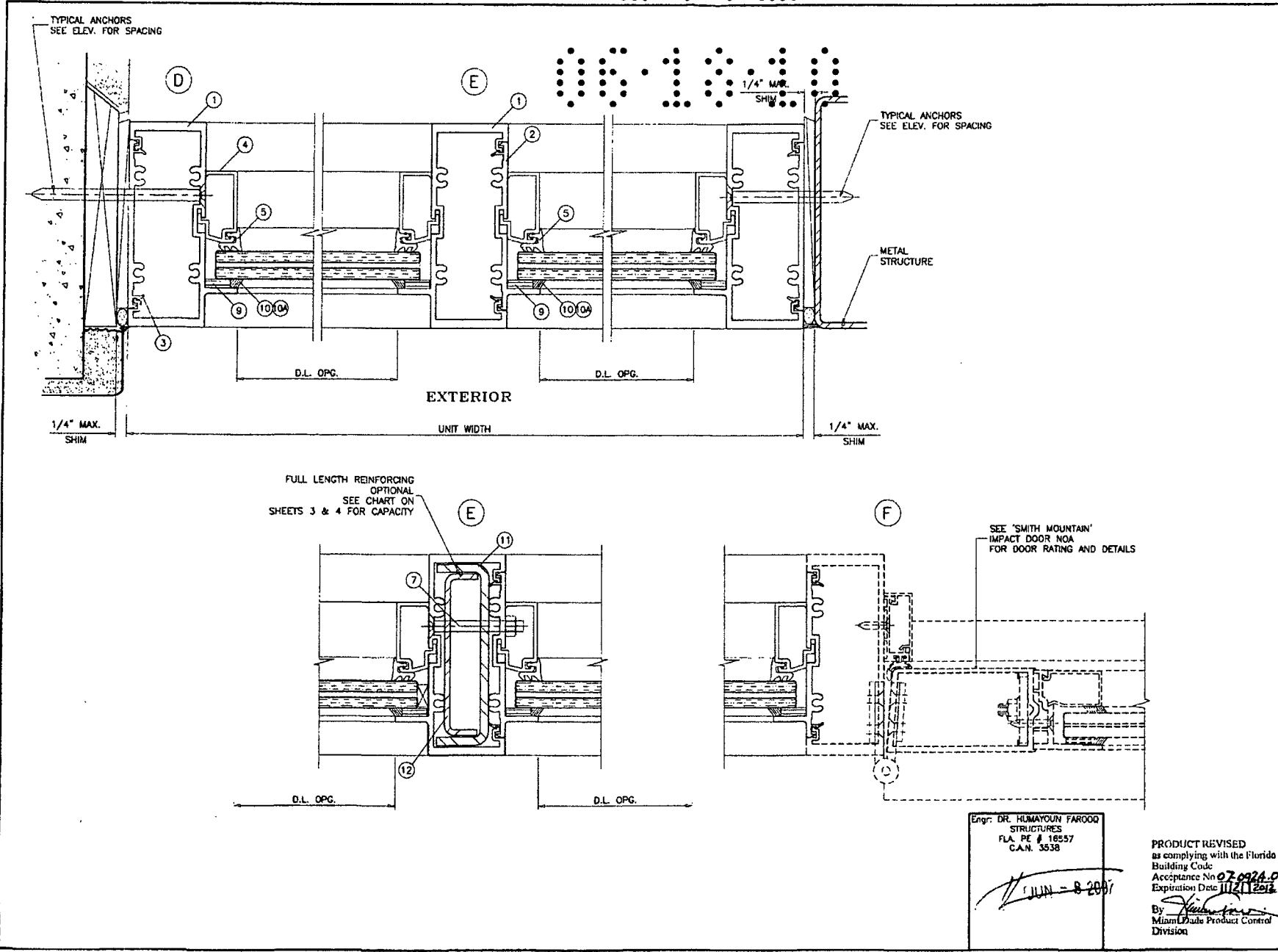
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date: 08-11-03  
 scale: 1/2" = 1"  
 dr. by: HAMD  
 chk. by:

---

drawing no.  
**W03-64**  
 sheet 6 of 8

# CMB



**af c**

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP - ANL \ W03-64SM

SERIES SM-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11305 N.W. 128 STREET  
 MEDLEY, FL. 33178  
 TEL. (305) 888-6288 FAX. (305) 888-6289

NO.	DATE	DESCRIPTION
A	10.23.03	GLAZING COMPOUND 10A ADDED
B	02.13.04	NO CHANGE THIS SHEET
C	09.28.05	ANCHORS REV.

date: 08-11-03  
 scale: 1/2" = 1"  
 dr. by: HAMD  
 chk. by:

drawing no.  
**W03-64**

sheet 7 of 8

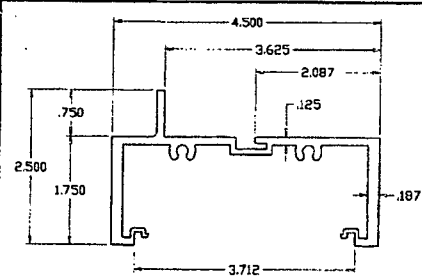
Engr. DR. HUMAYOUN FAROOD  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538

*11/21/2012*

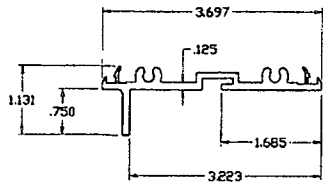
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No **07-0924-01**  
 Expiration Date **11/21/2012**

By *[Signature]*  
 MiamiLade Product Control  
 Division

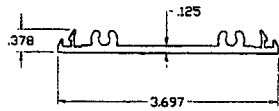
# CNS



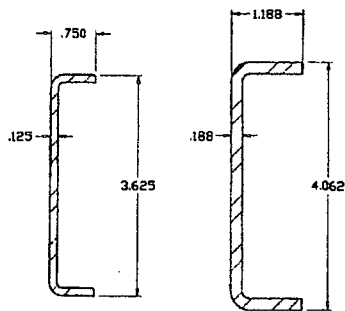
① FRAME HEAD/SILL/JAMB



② INTERMEDIATE SNAP-IN

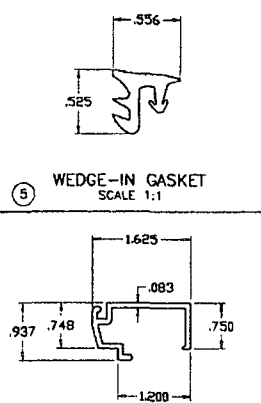


③ POCKET FILLER



⑫

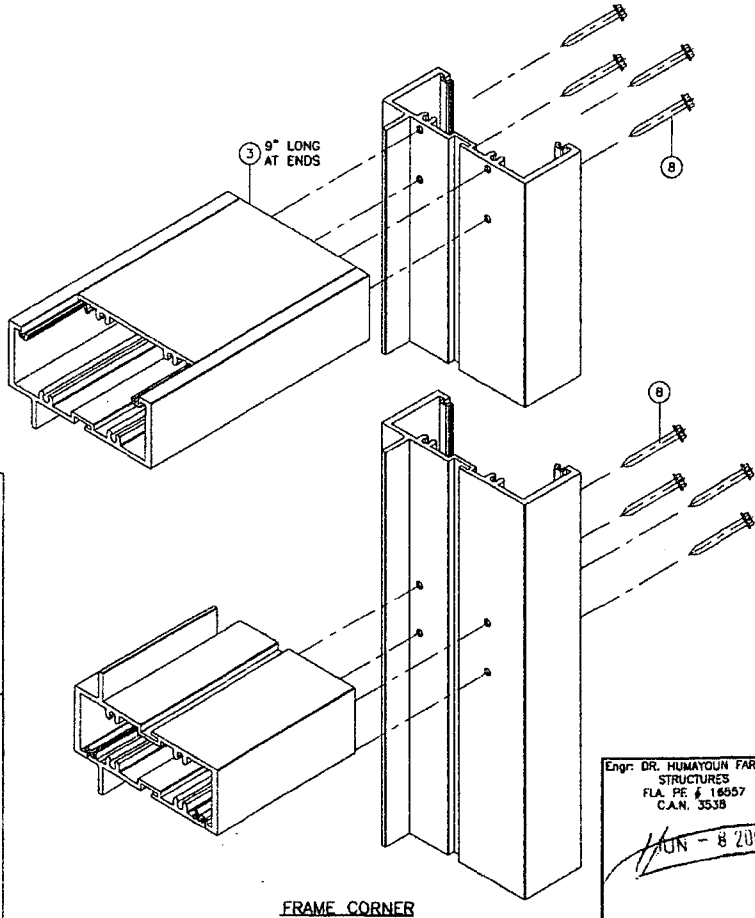
POCKET FILLER



⑤ WEDGE-IN GASKET  
SCALE 1:1

④ GLAZING STOP

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-001	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	SMITH MOUNTAIN
2	SMI-005	AS REQD.	INTERMEDIATE SNAP-IN	6063-T6	SMITH MOUNTAIN
3	SMI-004	AS REQD.	POCKET FILLER	6063-T6	SMITH MOUNTAIN
4	SMI-002	1 PER CORNER	GLASS STOP	6063-T5	SMITH MOUNTAIN
5	SMI-001	AS REQD.	GLAZING GASKET	EPDM 70 ±5	GLAZING RUBBER PRODUCTS
6	SMI-003	AS REQD.	SETTING BLOCK (1/4" X 1/2" X 2" LONG)	EPDM 70 ±5	FRANK LOWE
7	1/4-20 X 2-1/4"	AS REQD.	MULLION SCREWS WITH NUT & WASHER	-	AT 9" FROM ENDS & 24" O.C.
8	#12 X 1-1/2"	2 PER CORNER	FRAME ASSEMBLY SCREWS	-	HEX H SELF DRILLING
9	SMI-G02	-	ADHESIVE FOAM TAPE (1/4" X 1/2")	-	FRANK LOWE/BUTNICK
10	995	-	GLAZING COMPOUND	-	DOW CORNING
10A	895	-	GLAZING COMPOUND	-	PECORA
11	-	-	REINFORCING CHANNEL	STEEL	1-3/16" X 4-1/16" X 1-3/16" X 3/16" THK.
12	-	-	REINFORCING CHANNEL	STEEL	3/4" X 3-5/8" X 3/4" X 1/8"



FRAME CORNER

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE. # 16657  
C.A.N. 3538

*MUN - 8 2007*

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **07-0924-02**  
Expiration Date **11/21/2012**

By *[Signature]*  
Miami Trade Product Control  
Division

a f c

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
12335 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 284-8100 FAX. (305) 282-8978  
COMP. AIN/WO3-64SM

---

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
11305 N.W. 128 STREET  
MEDLEY, FL. 33178  
TEL. (305) 888-6288 FAX. (305) 888-6289

---

REVISIONS:	BY DESCRIPTION
A	10/23/03 GLAZING COMPOUND 10A ADDED
B	02/13/04 NO CHANGE P&E SHEET
C	05/26/05 FRAME ALUD. REV.

---

Order: 08-11-03  
Scale: 1/2" = 1"  
Dr. BY: HAMD  
Sht. by:

drawing no. **WO3-64**  
sheet 8 of 8



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 / FAX (305) 372-6339**

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**PGI Industries**  
**1070 Technology Drive**  
**Nokomis, FL 34275**

**SCOPE:**

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

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

**DESCRIPTION:** Series "FD-750" Outswing Aluminum French Door w/Sidelites - I.M.I.

**APPROVAL DOCUMENT:** Drawing No. 8100-11 titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04, with revision D dated 01/25/10, prepared by the manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and date, by the Miami-Dade County Product Control Division.

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

**LABELING:** Each unit shall bear a permanent manufacturer's name or logo, city, state 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 purpose 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 any advertising or promotional literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA revises and renews NOA # 07-0103.02 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.



*MP*

**NOA No. 09-1028.10**  
**Expiration Date: February 24, 2015**  
**Approval Date: February 10, 2010**  
**Page 1**



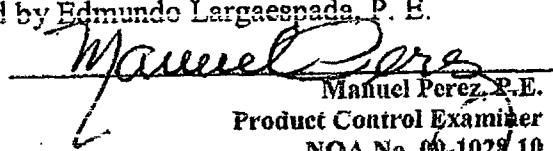
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No 8000-12, Sheets 1 through 12 of 12, titled "Alum. French Door & Side Lites, Impact", dated 12/23/04 with revision **D** dated 01/25/10, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test,  
2) Uniform Static Air Pressure Test,  
3) Water Resistance Test,  
4) Forced Entry Test, per SFBC 3603.2 (b)  
along with marked-up drawings and installation diagram of an aluminum sliding glass door using a low sill threshold, glazed with 7/16" laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5941**, dated 05/20/09, signed and sealed by Julio E. Gonzalez, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94,  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94,  
6) Forced Entry Test, Per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum doors of OXXX configuration, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4921**, dated 07/17/06, signed and sealed by Edmundo Largaespada, P. E.
3. Test reports on: 1) Uniform Static Air Pressure Test, 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  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum doors of OXXX configuration, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4527**, dated 02/10/05, signed and sealed by Edmundo Largaespada, P. E.  
(Submitted under NOA # 05-0419.03)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, 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 aluminum doors of OXXX configuration, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4528**, dated 02/14/05, signed and sealed by Edmundo Largaespada, P. E.  
(Submitted under NOA # 05-0419.03)

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 05-1028.10  
Expiration Date: February 24, 2015  
Approval Date: February 10, 2010

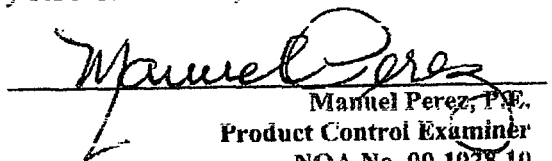
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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 aluminum doors of XXXO configuration, prepared by Fenestration Testing Laboratory, Test Reports No. FTL-4529, dated 02/14/05, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA # 05-0419.03)*
6. 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 aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. FTL-4530, dated 02/14/05, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA # 05-0419.03)*
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 aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. FTL-4311, dated 09/01/04, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA # 05-0103.03)*
8. Test reports on: 1) Uniform Static Air Pressure Test, 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 aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. FTL-4312, dated 09/13/04, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA # 05-0103.03)*
9. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, 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 aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. FTL-4315, dated 09/13/04, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA # 05-0103.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 10/01/09, prepared, signed and sealed by Robert L. Clark, P.E.  
Complies with ASTM E1300-02/04

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 09-1028.10  
Expiration Date: February 24, 2015  
Approval Date: February 10, 2010

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB, Interlayer" dated 05/13/09, expiring on 12/11/10.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex III G Clear or colored interlayer" dated 05/04/06, expiring on 05/21/11.
3. Notice of Acceptance No. **08-0520.08** issued to Solutia Inc. for their "Vanceva Composites Glass Interlayer" dated 7/17/08, expiring on 12/11/13.

**F. STATEMENTS**

1. Statement letter of conformance, dated October 22, 2009, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated October 22, 2009, signed and sealed by Robert L. Clark, P.E.
3. Laboratory compliance letter for Test Report No. **FTL- 4921**, issued by Fenestration Testing Laboratory, Inc., dated June 26, 2006, signed and sealed by Edmundo Largaespada, P.E.
4. Proposal No. **08-1891** issued by BCCO, dated January 26, 2009, signed by Ishaq Chanda, P.E.

**G. OTHER**

1. Notice of Acceptance No. **07-0103.02**, issued to PGT Industries for their Series FD-750 Outswing Aluminum French Door w/Sidelites – L.M.I., approved on **03/15/07** and expiring on 02/24/10.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 09-1028.10

Expiration Date: February 24, 2015  
Approval Date: February 10, 2010

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

## 1. GLAZING OPTIONS:

- A. 7' 6" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM.
- B. 7' 6" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM.
- C. 7' 16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075 VANCEVA INTERLAYER.
- D. 7' 6" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075 VANCEVA INTERLAYER.
- E. 7' 6" LAMI I.G. CONSISTING OF ( ) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A, .090 PVB, 3/16" HS).
- F. 7' 6" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, .090 PVB, 3/16" HS).
- G. 7' 16" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A, .075 VANCEVA, 3/16" HS).
- H. 7' 6" LAMI I.G. CONSISTING OF ( ) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, .075 VANCEVA, 3/16" HS).

## 2. DESIGN PRESSURES: TABLE 1, SHEET 3.

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300-02.
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300-02.

## 3. CONFIGURATIONS: X, O, XX, XO, OX, XXX, XXO, OXX, OXO, XXXX, XXXO, OXXX, OR OXXX WHERE O REPRESENTS EITHER THE NARROW JAMB OR FULL JAMB SIDE LITE. ANY TWO ADJACENT X UNITS CAN BE EITHER TWO SINGLE, X DOORS OR A DOUBLE, XX DOOR. BOTH USING EITHER THE STANDARD OR THE LOW-RISE SILL. THE FRENCH DOOR ASSEMBLY BEAM IS USED TO ASSEMBLE X, XX, AND O UNITS TO MAKE THE ABOVE CONFIGURATIONS.

## 4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 9 THRU 11.

## 5. SHUTTERS ARE NOT REQUIRED.

## 6. SEALANT: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT. VERTICAL ASSEMBLY BEAM SEAMS SEALED ON THE INTERIOR AND EXTERIOR WITH CONTRACTOR'S SEALANT.

## 7. REFERENCES: TEST REPORTS: FTL-4311, FTL-4312, FTL-4315, FTL-4527, FTL-4528, FTL-4529, FTL-4530, FTL-4921 AND FTL-5041.

- ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION
- ADM-2005 ALUMINUM DESIGN MANUAL

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

### NOA DRAWING MAP

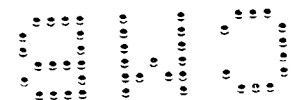
TOPIC	SHEET
GENERAL NOTES.....	1
CONFIGURATIONS.....	1
GLAZING DETAILS.....	2
DESIGN PRESSURES.....	3
ELEVATIONS.....	4
VERT. SECTIONS.....	5
HORIZ. SECTIONS.....	6
PARTS LIST.....	7
EXTRUSIONS.....	8-9
ANCHORAGE.....	10-12

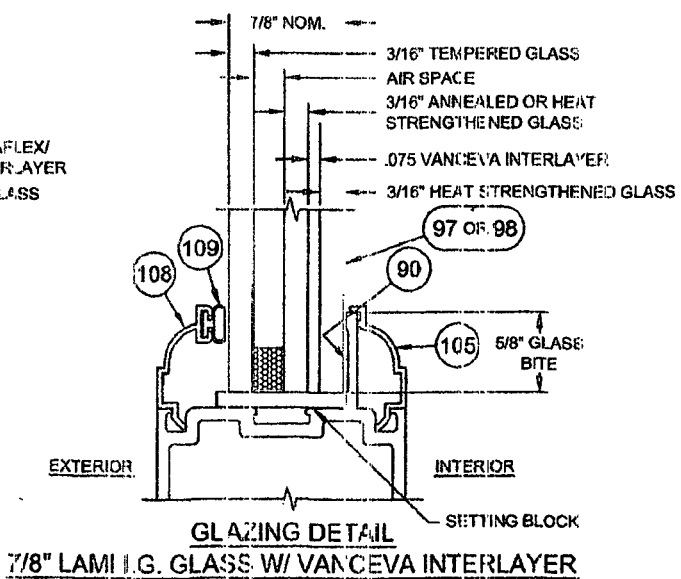
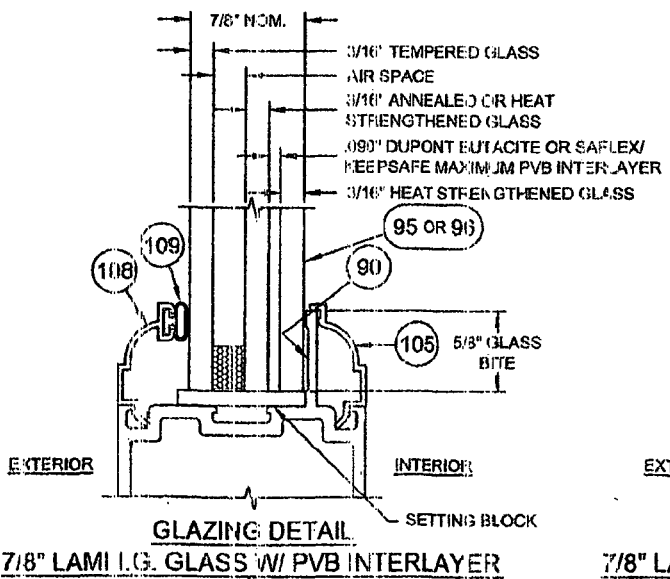
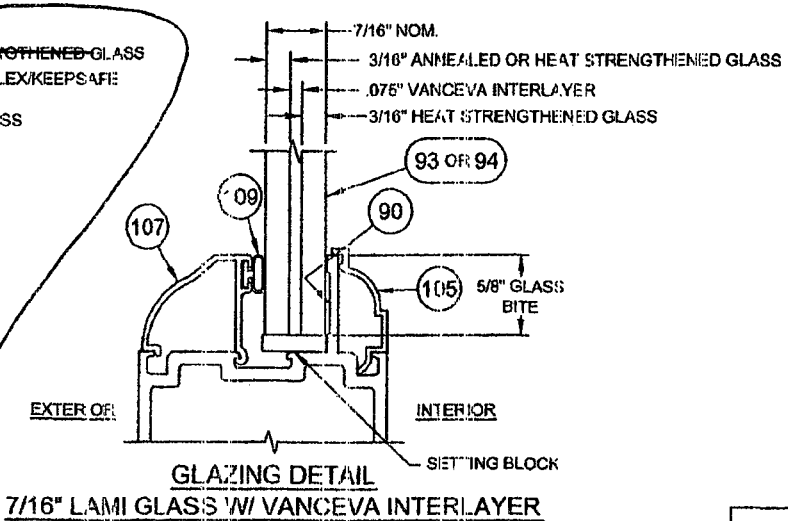
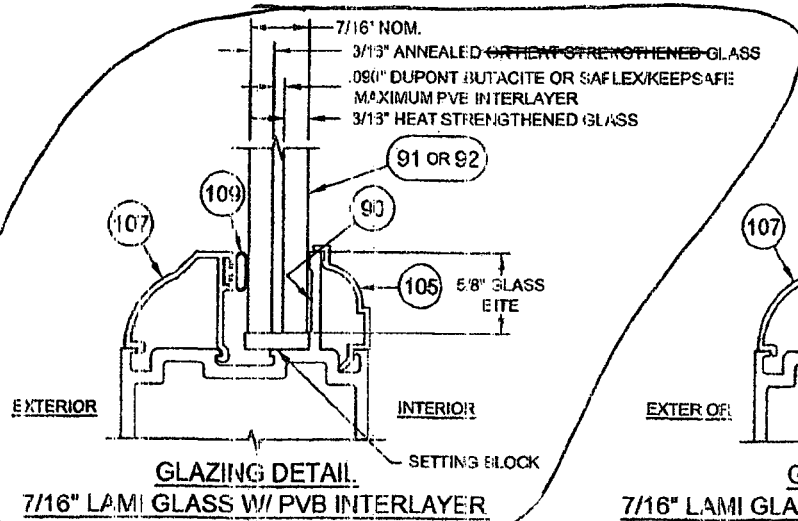
FIG. 01, CT REVISED  
 as compliant with the Florida  
 Building Code  
 Accepted on 09-10-10  
 Expires on 11-02-15  
 By: [Signature]  
 Michael Lark, Product Control  
 Director

[Handwritten Signature]

Robert L. Clark, P.E.  
 PE #38712  
 Structural

<table border="1"> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revision:</td> <td>FOR THE ANCHORAGE, ADD SUBSILL AND ALTERNATE TOP &amp; BOTTOM RAIL. REUSE NOTES A AND B, AND NOTE 8.</td> </tr> <tr> <td>F.K.</td> <td>10/1/09</td> <td>B</td> <td></td> </tr> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revision:</td> <td>UPDATED BUILDING CODE AND DESIGN MANUAL YEARS. ALL TEST REPORT NUMBERS.</td> </tr> <tr> <td>J.R.</td> <td>08/2/09</td> <td>C</td> <td></td> </tr> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revision:</td> <td>NO CHANGES THIS SHEET</td> </tr> <tr> <td>J.R.</td> <td>01/29/10</td> <td>D</td> <td></td> </tr> <tr> <td>Drawn By:</td> <td>Date:</td> <td>Checked By:</td> <td></td> </tr> <tr> <td>F.K.</td> <td>1/22/10/04</td> <td>L.T.</td> <td>+VR05</td> </tr> </table>	Revised By:	Date:	Revision:	FOR THE ANCHORAGE, ADD SUBSILL AND ALTERNATE TOP & BOTTOM RAIL. REUSE NOTES A AND B, AND NOTE 8.	F.K.	10/1/09	B		Revised By:	Date:	Revision:	UPDATED BUILDING CODE AND DESIGN MANUAL YEARS. ALL TEST REPORT NUMBERS.	J.R.	08/2/09	C		Revised By:	Date:	Revision:	NO CHANGES THIS SHEET	J.R.	01/29/10	D		Drawn By:	Date:	Checked By:		F.K.	1/22/10/04	L.T.	+VR05	1070 PLYMOUTH DRIVE NORONAS, FL 32075 P.O. BOX 1820 NORONAS, FL 32074		Title: <b>GENERAL NOTES AND DRAWING MAP</b> Type: <b>ASUM FRENCH DOOR &amp; SIDE LITES, IMPACT</b> Scale: <b>FULL</b> Date: <b>1 of 12</b> Drawing No: <b>8000-11</b> Rev: <b>D</b>
Revised By:	Date:	Revision:	FOR THE ANCHORAGE, ADD SUBSILL AND ALTERNATE TOP & BOTTOM RAIL. REUSE NOTES A AND B, AND NOTE 8.																																
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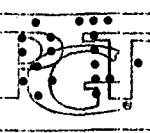


PRODUCT REVIEWED  
in compliance with the Florida  
Building Code  
Approved by the  
Inspector on Date 09-10-2015  
PEB 2/1/15  
By *Marcus [Signature]*  
Mechanical Product Control  
Division

*[Signature]*  
Robert L. Clark, P.E.  
PE #39712  
Structural

Drawn By: F.K.	Date: 09/11/10	Revision: D	NO CHANGE THIS SHEET
Checked By: J.R.	Date: 10/21/10	Revision: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 01/29/10	Revision: D	NO CHANGE THIS SHEET
Checked By: F.K.	Date: 12/23/14	Revision: L.T.	NO CHANGE THIS SHEET

1070 TOWER DRIVE  
NOKL #13, FL 34976  
FRI. 8:00 AM  
NOKL #13, FL 34976



GLAZING DETAILS			
ALUM. FRENCH DOOR & SIDE LITES, IMPACT			
Model: FD760	Scale: FULL	Sheet: 2 of 12	Drawn: 3000-11

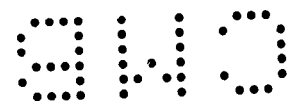
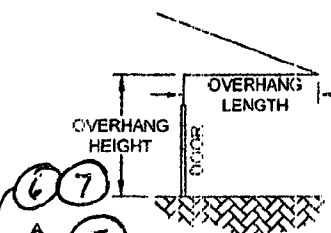


Table 1. Maximum Design Pressures (psf)

Configuration	Width (in)	Allowed Glass Types	Height (in)									
			79 3/4" (6 <sup>B</sup> )		83 3/4" (7 <sup>0</sup> )		87 3/4"		91 3/4"		95 3/4" (3 <sup>0</sup> )	
French Door	X	A, E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-30.0
			C, G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0
	XX	A, E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-30.0
			C, G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0
Sidelite	Full Jamb	A, E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
		C, G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
	Narrow Jamb	C, G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
		C, G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+97.4	-97.4
		A, B, E, F	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C, G	+100.0	-100.0	+99.9	-99.9	+95.3	-95.3	+91.4	-91.4	+87.9
	D, F	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	-100.0



NOTE:  
 1. IF USING THE OPTIONAL LOW-RISE SILL (PART 10, SHEET 6 OF 12), THE OVERHANG HEIGHT MUST BE GREATER THAN THE OVERHANG LENGTH (SEE DIAGRAM). IF NOT, THE MAXIMUM POSITIVE (+) DESIGN PRESSURE IS LIMITED TO +60.0 PSF FOR ALL STYLES AND SIZES OF THE DOOR AND ANY ADJOINING SIDELITES. (REF. FTL-6911)

Table 1a. Glass Type and Test Report Number

A - 7/16" LAMI (3/16"A, 090 PVB, 3/16"HS)	FTL-4311, 4312, 4315
B - 7/16" LAMI (3/16"HS, 090 PVB, 3/16"HS)	LPGRADE FTL-4311, 4312, 4315
C - 7/16" LAMI (3/16"A, 075 VANCEVA, 3/16"HS)	FTL-4527, 4528, 4529, 4530
D - 7/16" LAMI (3/16"HS, 075 VANCEVA, 3/16"HS)	UPGRADE FTL-4527, 4528, 4529, 4530
E - 7/8" LAMI I.G. (3/16"TI, 1/4" AIR SPACE, 3/16"A, 090 PVB, 3/16"HS)	FTL-4311, 4312, 4315
F - 7/8" LAMI I.G. (3/16"TI, 1/4" AIR SPACE, 3/16"HS, 090 PVB, 3/16"HS)	LPGRADE FTL-4311, 4312, 4315
G - 7/8" LAMI I.G. (3/16"TI, 1/4" AIR SPACE, 3/16"A, 075 VANCEVA, 3/16"HS)	FTL-4527, 4528, 4529, 4530
H - 7/8" LAMI I.G. (3/16"TI, 1/4" AIR SPACE, 3/16"HS, 075 VANCEVA, 3/16"HS)	UPGRADE FTL-4527, 4528, 4529, 4530

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Accepted on 09-10-2010  
 Expires on Date FEB. 24, 2015  
 By: [Signature]  
 Manager, Product Division

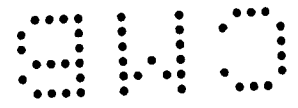
[Signature]  
 1/25/10  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

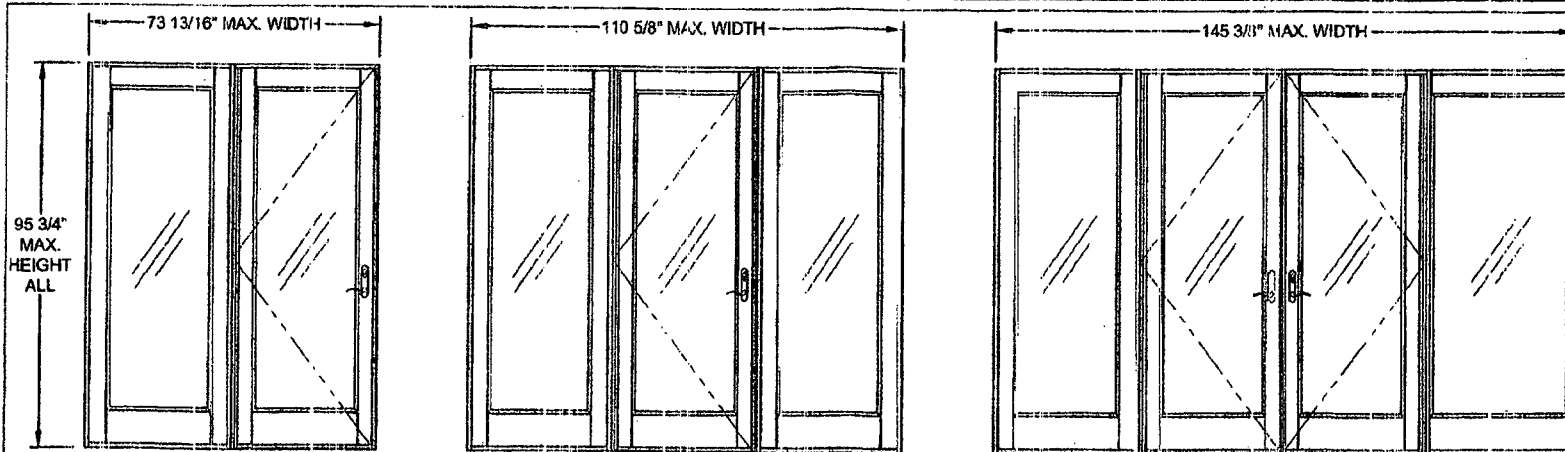
Revised By: F.K.	Date: 10/22/08	Revision: B	UPDATE TABLE 1 TO 3/16" STYL E 1500-02
Revised By: J.P.C.	Date: 10/22/08	Revision: C	ADD 3D NOTED DIAGRAM FOR LOW RISE SILL
Revised By: J.P.C.	Date: 11/23/10	Revision: D	NO CHANGES THIS SHEET
Drawn By: F.K.	Date: 12/23/04	Checked By: L.T.	Date: 4/8/08

1070 TRIMBLOOM DRIVE  
 NOKIA, FL 34678  
 FAX: 888 1520  
 NOKIA INC. FL 34674

DESIGN PRESSURES  
 ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Model: FD760	Style: NTS	Size: 3 x 12	Drawn: 3000-11	Rev: D
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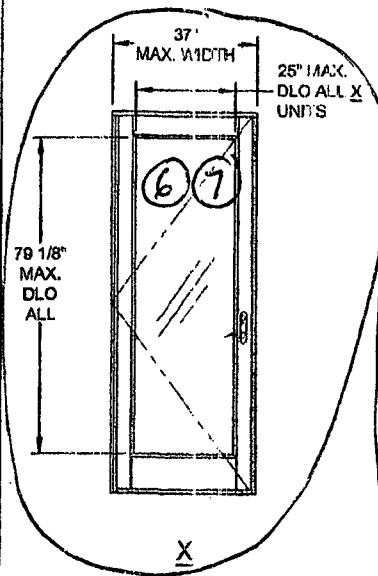




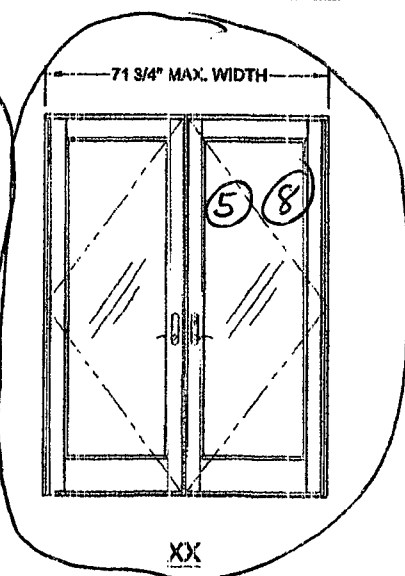
**OX OR XO**

**OXO**

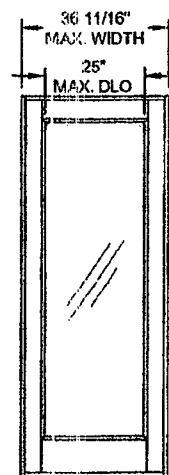
**OXO (SHOWING EACH VERSION SIDELITE)**



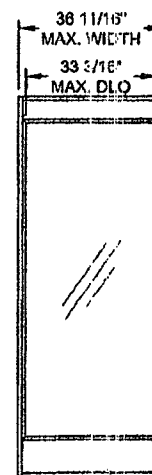
**X**



**XX**



**O (FULL JAMB)**



**O (NARROW JAMB)**

**NOTES:**

1. CONFIGURATIONS WITH SIDE LITES CAN BE EITHER NARROW JAMB OR FULL JAMB VERSION.
2. FOR ANCHOR SPACING AND DETAILS SEE SHEETS 9 THROUGH 11.
3. FOR VERTICAL SECTIONS SEE SHEET 5 AND FOR HORIZONTAL SECTIONS SEE SHEET 6.

Drawn By: F.K.	Check: 10/10/00	Revision: B	NO CHANGE THIS SHEET
Drawn By: J.R.	Check: 08/22/00	Revision: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Check: 11/22/00	Revision: D	NO CHANGES THIS SHEET
Drawn By: F.K.	Check: 12/23/04	Checked By: L.T.	Rev: 4/8/08

1070 TECHNOLOGIC DRIVE  
 NOKIA FL 33476  
 P.O. BOX 1504  
 NOKIA FL 34214

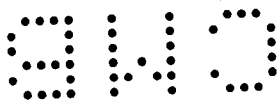


Description: <b>EXAMPLE ELEVATIONS</b>			
Title: <b>ALUM. FRENCH DOOR &amp; SIDE LITES, IMPACT</b>			
Reference: FD760	Scale: NTS	Qty: 4 or 12	Drawn: 8000-11
			D

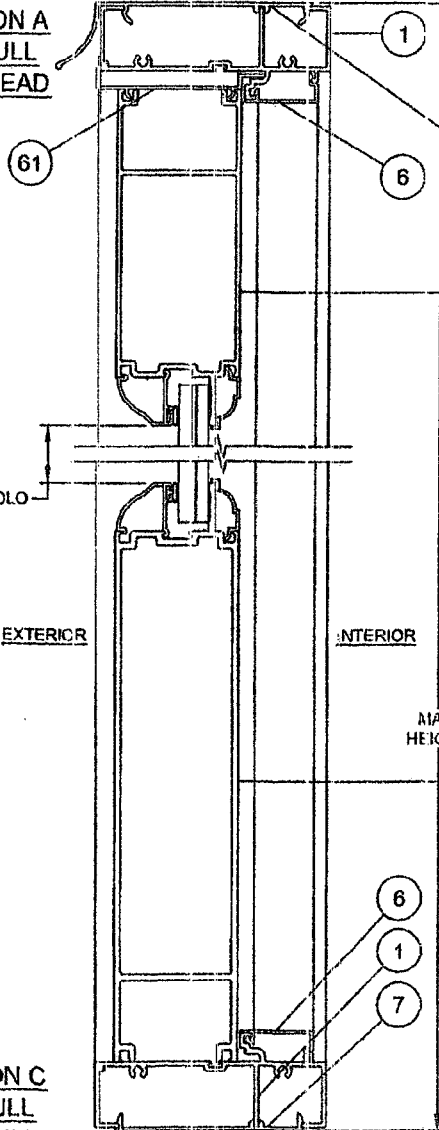
PRODUCT REVISED  
 to comply with the Florida  
 Building Code  
 Acceptance for 09-1023-10  
 Inspection date FEB 24, 2015  
 By: *Michael...*  
 Mutual Code Product Control  
 Division

*R. L. Clark*  
 2/25/10

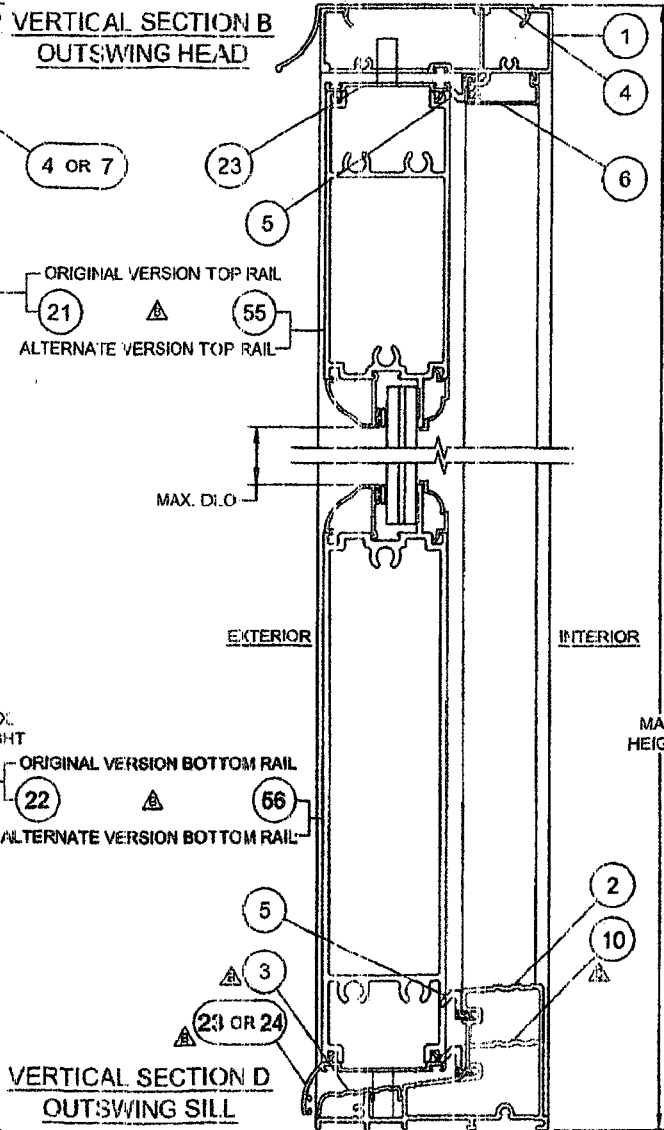
Robert L. Clark, P.E.  
 PE #80712  
 Structural



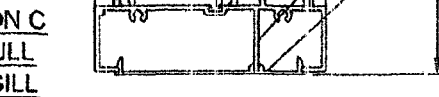
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NARROW AND FULL  
JAMB SIDE LITE HEAD**



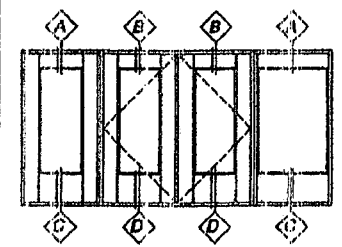
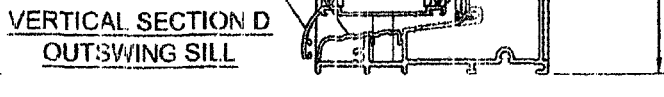
**VERTICAL SECTION B  
OUTSWING HEAD**



**VERTICAL SECTION C  
NARROW AND FULL  
JAMB SIDE LITE SILL**



**VERTICAL SECTION D  
OUTSWING SILL**

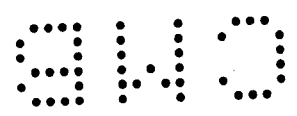


PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance Date: 09-10-19  
Expiration Date: FEB 27, 2015  
By: *Manuel...*  
Miami Code Product Control  
Division

*Robert L. Clark*  
*Hester*

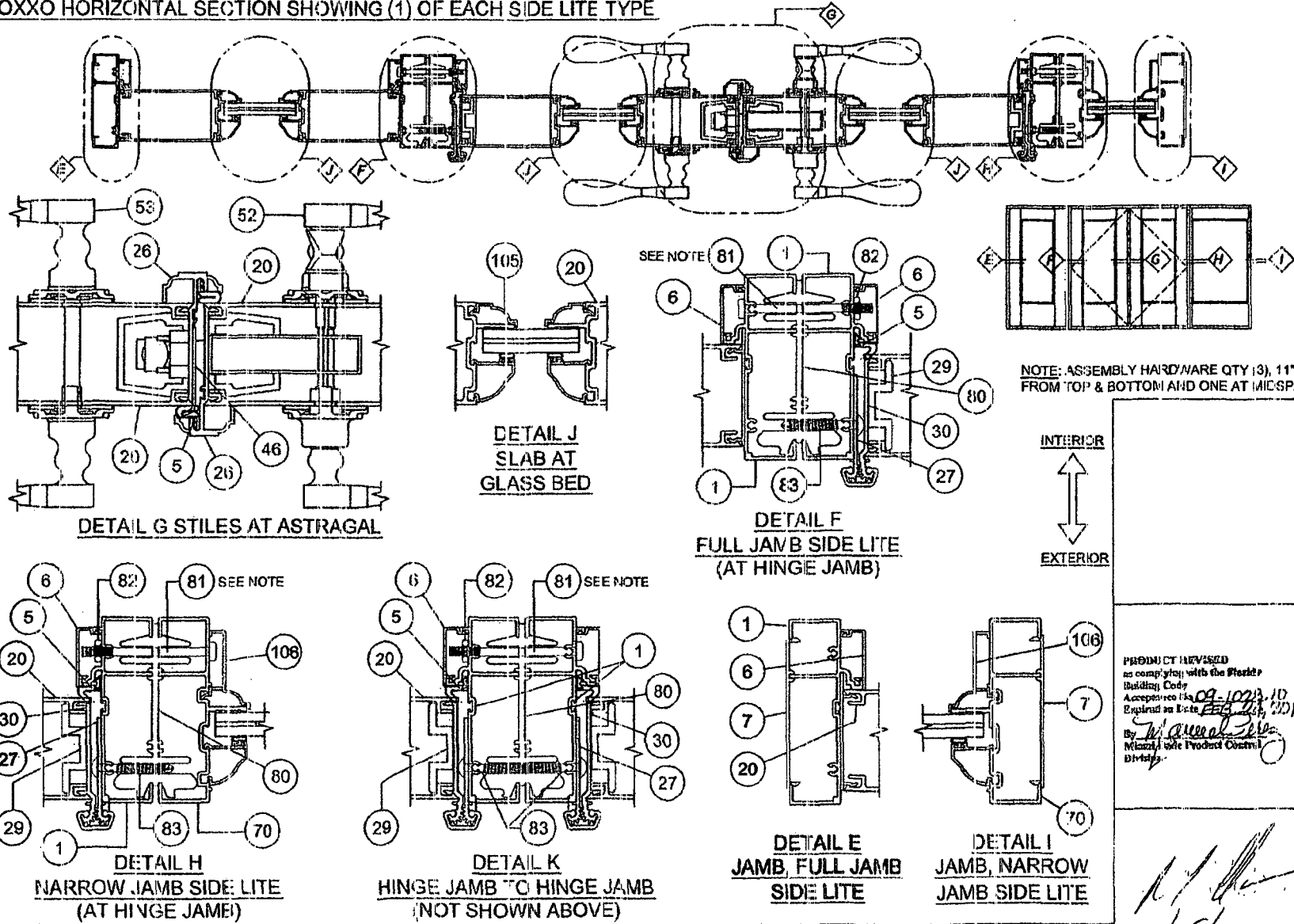
Robert L. Clark, P.E.  
PE #38712  
Structural

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Drawn By:	F.K.	Checkd By:	L.T.																				
Date:	7-22-04	Date:	4/4/05																				
Revision:	B	Description:	REVISE ITEM 8, UNO V ALTERNATE TOP AND BOTTOM RAIL EXTENSION.																				
Revision:	C	Description:	ADDED LOW RISE SILL																				
Revision:	D	Description:	NO CHANGES THIS SHEET																				





**OXOXO HORIZONTAL SECTION SHOWING (1) OF EACH SIDE LITE TYPE**



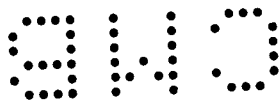
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance (SA 09-1023-10  
 Expiration Date 03/31/15)  
 By *[Signature]*  
 Mizzzi Lite Product Control  
 Division

*[Signature]*  
 1/25/10  
 Robert L. Clark, P.E.  
 PE #99712  
 Structural

Revised By: F.K.	Date: 10/1/00	Revision: B	NO CHANGE THIS SET
Revised By: J.R.	Date: 08/23/08	Revision: C	NO CHANGE THIS SET
Revised By: J.R.	Date: 01/23/10	Revision: D	NO CHANGES THIS SET
Drawn By: F.K.	Date: 1/22/04	Checked By: L.T.	Date: 4/1/05

1070 TECHNOLOGY DRIVE  
 NORCO, FL 34278  
 P.O. BOX 1628  
 NORCO, FL 34274

<b>HORIZONTAL SECTION DETAILS</b>			
<b>ALUM. FRENCH DOOR &amp; SIDE LITES, IMPACT</b>			
Scale: FD780	Size: 1/2	Qty: 6	Panel #: 12
Panel #: 5000-11	Part: D		



FD750 DOOR(S)			
ITEM	DWG#	DESCRIPTION	PGT#
FRAME KIT PARTS			
1	8036	FRAME - HEAD & HINGE JAMB	68001
2	8032A	OUT-SWING SILL	68003A
3	8034C	OUT-SWING SILL COVER	68004C
4	8038	DRIP CAP	68001
5		HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL)	UR3337185C
6	8537	SCREW COVER	68001
7	8029	INSTALL PLATE	68001
8		FRAME ASSEMBLY SCREW #8 X 1" PH QUAD	781PQA
9	8032	ASTRAGAL END SEAL	48031
10	8038	OUT-SWING SILL (LOW RISE)	48051
DOOR PARTS			
5		HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL)	UR3337185C
20	8012	STILE	68011
21	8014	TOP RAIL (THREADED ROD DESIGN)	68011
22	8013	BOTTOM RAIL (THREADED ROD DESIGN)	68011
23	8017	TOP SWEEP	68011
24	8016	BOTTOM SWEEP	68011
25		SWEEP SCREWS, #4 X 1/2" PHILPH	
26	8015	ASTRAGAL, ACTIVE & INACTIVE	68011
27	8021B	GEAR HINGE, JAMB SIDE	68021B
28	8021A	GEAR HINGE, COVER	68020A
29	8018	GEAR HINGE, BACK-UP PLATE	68011
30	8017A	GEAR HINGE, DOOR SIDE	68019A
31	8015	GEAR HINGE, DRAWING	68031
32		GEAR HINGE, SET-SCREW #6-32 X 1/4"	
33		GEAR HINGE, MFG SCREW #12 X 3/4" TRUSS HD.	
34		GEAR HINGE, MFG SCREW #12 X 1 1/2" TRUSS HD.	
35		THREADED ROD 5/16-18 X 36"	6TROLA
36		FLANGED HEX NUT 5/16-18	7990NUFA
37	8019	TRUSS CLAMP	603781A
38	803	1/8" GEAR LATCH MECHANISM (ASHLAND)	
39	8030	LOCK BLOCK	48031
40		LATCH ASSY SCREWS #8 X 2" SS PHILL TR HD	78X2TPAX
41	807	1/8" SHOOT BOLT ROD (SULLIVAN)	
42	805	STANDARD FLASH BOLTS W/ SS ROD (SULLIVAN)	
43	8051	SHOOT BOLT GUIDE	48031
44		SHOOT BOLT GUIDE & STRIKE SCREW 8-32 X 3/8" SS PHILL TR HD	78X38PTX
45	8031R	HIGHT STRIKE PLATE AT ASTRAGAL (ACTIVE/HINGED LEFT)	W5110-43S1
46	8031L	LEFT STRIKE PLATE AT ASTRAGAL (ACTIVE/HINGED RIGHT)	W5110-44S1
47		STRIKE PLATE SCREWS 8-32 X 3/8" SS PHILL TR HD	78X38PTX
48		STRIKE PLATE MIDDLE SCREW 6-24 X 1 1/2" PH	7612FP1X
49	8026	STRIKE PLATE, TOP HEAD & SILL	
50		HEAD STRIKE SCREWS SS 8 X 1/2 PHILL PH	785227X
51		STRIKE PLATE SCREWS @ SILL SS 8 X 1/2 PHILL UNDER CUT PH	78X12PF1UX
52	8041	ACTIVE TRIM SET (ASHLAND)	
53	8042	PASSIVE TRIM SET (ASHLAND)	
54	8044	STAINLESS STEEL PASSIVE LOCK (2 PAR) (ASHLAND)	
55	8014A	TOP RAIL (LAG BOLT DESIGN)	68014A
56	8013A	BOTTOM RAIL (LAG BOLT DESIGN)	68013A
57		5/16" X 2 1/2" LAG BOLTS	751LGBOLTXY

FD750 FULL JAMB SIDE LITE			
ITEM	DWG#	DESCRIPTION	PGT#
1	8006	FRAME - HEAD, SILL & JAMB	68001
4	8008	DRIP CAP	68001
6	8007	SCREW COVER	68001
7	8009	INSTALL PLATE	68001
8		FRAME ASSEMBLY SCREW #8 X 1" PH QUAD	781PQA
20	8012	STILE	68011
21	8014	TOP RAIL	68011
22	8013	BOTTOM RAIL	68011
35		THREADED ROD 5/16-18 X 36"	6TROLA
36		FLANGED HEX NUT 5/16-18	7990NUFA
37	8039	TRUSS CLAMP	603781A
60		#8 X 3/4" PH SQ DRIVE TRUSS SCREW	78X34PS1W
61	8028	SIDE LITE HEAD TRIM	68021
62	8029	SIDE LITE JAMB TRIM	68021
FD750 NARROW JAMB SIDE LITE			
1	8006	FRAME - HEAD & SILL	68001
4	8008	DRIP CAP	68001
6	8007	SCREW COVER	68001
7	8009	INSTALL PLATE	68001
8		FRAME ASSEMBLY SCREW #8 X 1" PH QUAD	781PQA
21	8014	TOP RAIL	68011
22	8013	BOTTOM RAIL	68011
35		THREADED ROD 5/16-18 X 36"	6TROLA
36		FLANGED HEX NUT 5/16-18	7990NUFA
37	8039	TRUSS CLAMP	603781A
60		#8 X 3/4" PH SQ DRIVE TRUSS SCREW	78X34PS1W
61	8028	SIDE LITE HEAD TRIM	68021
70	8010	FRAME JAMB	68011
ASSEMBLY KIT			
80	8033B	FRENCH DOOR ASSEMBLY BEAM	680331
81		#10-24 X 2 1/2" PH SCREW	
82		#10-24 HEX NUT	
83		#10 X 1 1/2" TR HD TRUSS SCREW	
84	8056	SUBSILL (OPTIONAL)	68056
GLASS, BEADS & SILICONE			
90		GLAZING SEALANT, LOW CORNING 899, 983, 993 OR EQUIVALENT	
91		7/16" LAMINATED GLASS (3/16" ANN, 091 PVB, 3/16" HS)	
92		7/16" LAMINATED GLASS (3/16" HS, 090 PVB, 3/16" HS)	
93		7/16" LAMINATED GLASS (3/16" ANN, 071 VANCEVA, 3/16" HS)	
94		7/16" LAMINATED GLASS (3/16" HS, 075 VANCEVA, 3/16" HS)	
95		7/8" LAM I.G. (3/16" T, 1/4" SPACE, 3/16" ANN, 090 PVB, 3/16" HS)	
96		7/8" LAM I.G. (3/16" T, 1/4" SPACE, 3/16" HS, 090 PVB, 3/16" HS)	
97		7/8" LAM I.G. (3/16" T, 1/4" SPACE, 3/16" ANN, 075 VANCEVA, 3/16" HS)	
98		7/8" LAM I.G. (3/16" T, 1/4" SPACE, 3/16" HS, 075 VANCEVA, 3/16" HS)	
105	8022	BACK BEAD	68022
106	8026A	SL BACK BEAD	68026A
107	8023A	7/16" BEAD	68023A
108	8024A	7/8" BEAD	68024A
109	1224	VHVL BULB W/STP (THICK)	6TP241

Revised By: F.K.	Date: 10/13/08	Revision: B	UPDATE ITEM 8, ADD ITEMS 65, 80, 87 AND 84.
Revised By: J.R.	Date: 08/22/09	Revision: C	ADDED LOW RISE SILL
Revised By: J.R.	Date: 01/28/10	Revision: D	NO CHANGES THIS SHEET
Drawn By: F.K.	Date: 11/23/04	Checked By: L.T.	Date: 4/8/06

1070 TECHNOLOG DRIVE  
NOKALAH, FL 32276  
P.O. BOX 1628  
NOKALAH, FL 32274

**PARTS LIST**

**ARUM, FRENCH DOOR & SIDE LITES, IMPACT**

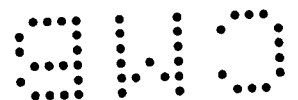
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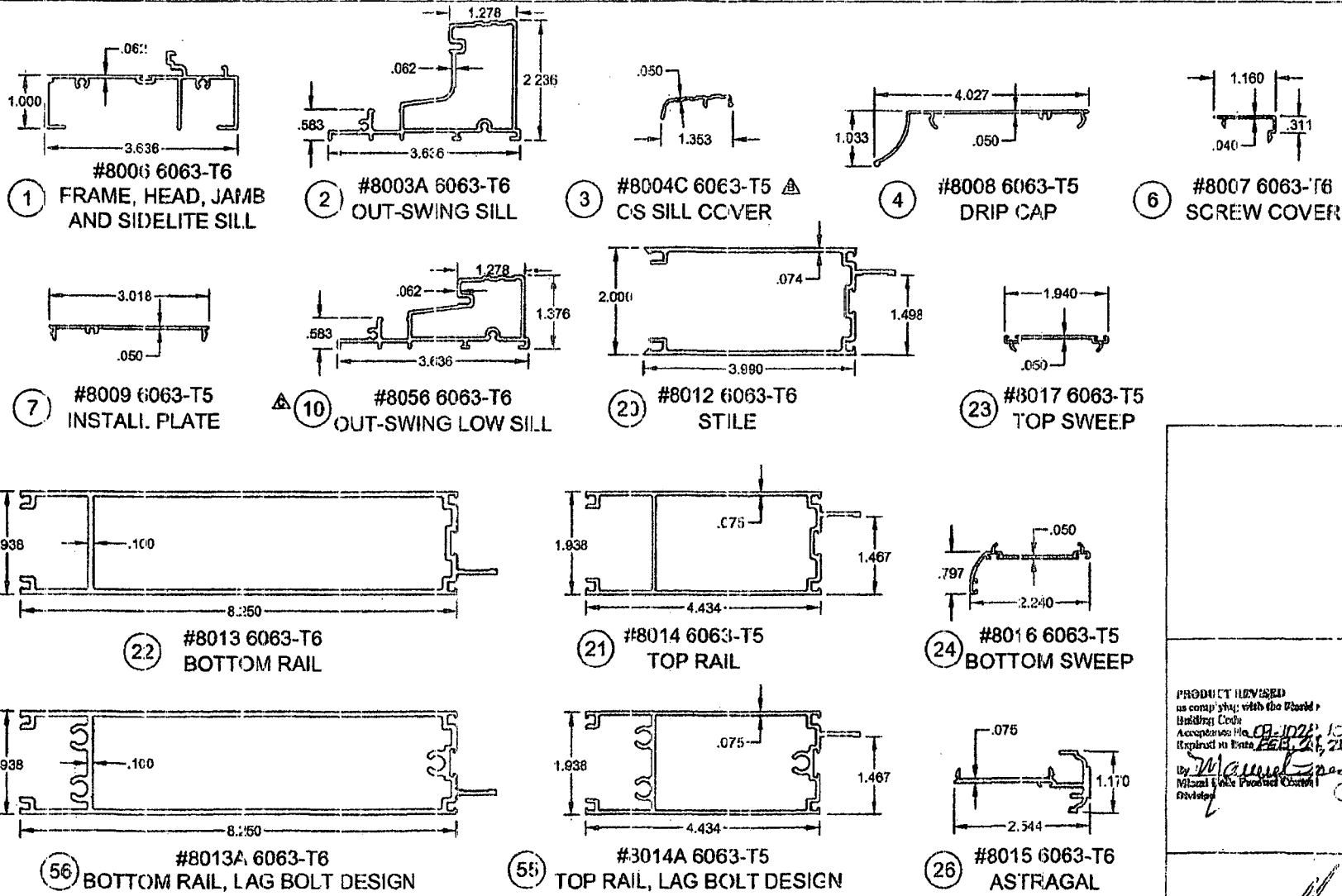
PRODUCT REVISED  
in compliance with the Florida  
Building Code  
Acceptance No. 09-1025-10  
Expiry on Date FEB 24, 2015

By: *[Signature]*  
Product Control  
Division

*[Signature]*  
11/2/10

Robert L. Clark, P.E.  
PE #19712  
Structural





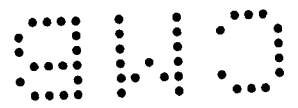
PRODUCT REVISED  
 as compliant with the Florida  
 Building Code  
 Acceptance No. 09-1022-13  
 Required to Post PE# 26, 2015  
 By Michael Spay  
 Milani White Product Control  
 Director

*Robert L. Clark*  
 1/25/10  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

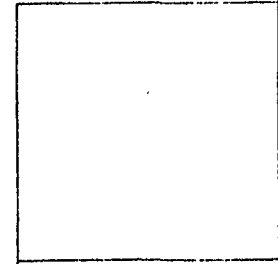
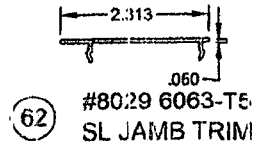
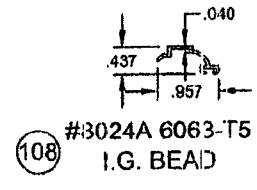
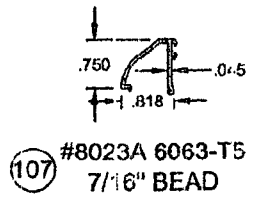
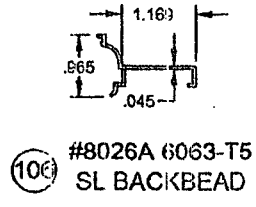
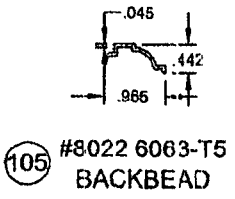
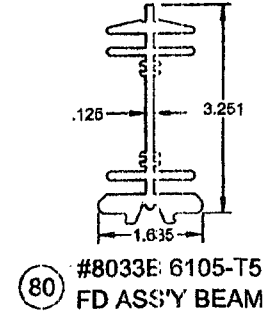
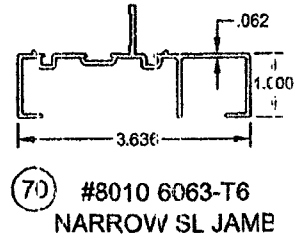
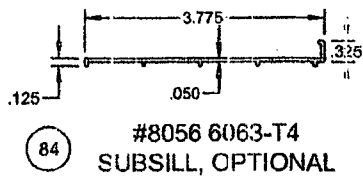
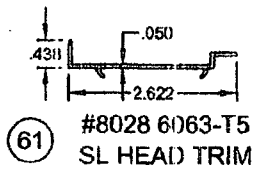
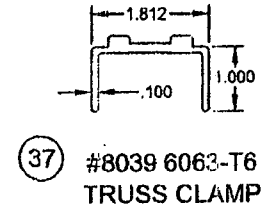
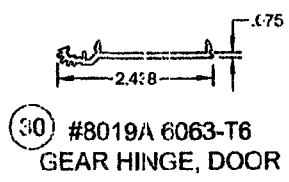
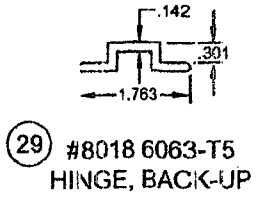
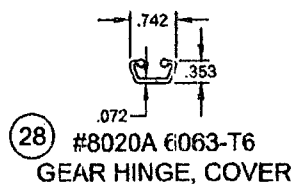
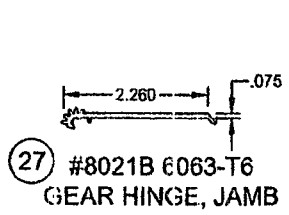
Revised By: F.K.	Date: 10/12/06	Revision: B	UPGRADE ITEMS 3.
Revised By: J.R.	Date: 08/28/09	Revision: C	ADDED LOW RISE SILL AND SECOND EXTRUSION SHEET.
Revised By: J.R.	Date: 04/02/10	Revision: D	NO CHANGES THIS SHEET
Drawn By: F.K.	Date: 1-22-04	Checked By: L.T.	Date: 4/8/05

1070 TECHNOLOG DRIVE  
 NORWICH, FL 32278  
 A 2.50X 16.8  
 NORWICH, FL 32274

EXTRUSION PROFILES			
ALUM. FRENCH DOOR & SIDE LITES, IMPACT			
Order No:	Date:	Rev:	Drawn By:
FD760	1/2	3 - 12	9000-11
			Rev: D



△

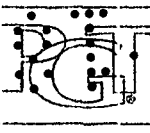


PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 09-1022-113  
Expiration Date FEB 24, 2015  
By: *Michael Rose*  
Michael Rose, Product Control  
Inventor

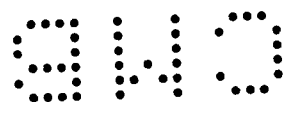
*R.L. Clark*  
1/25/10  
Robert L. Clark, P.E.  
PE #38712  
Structural

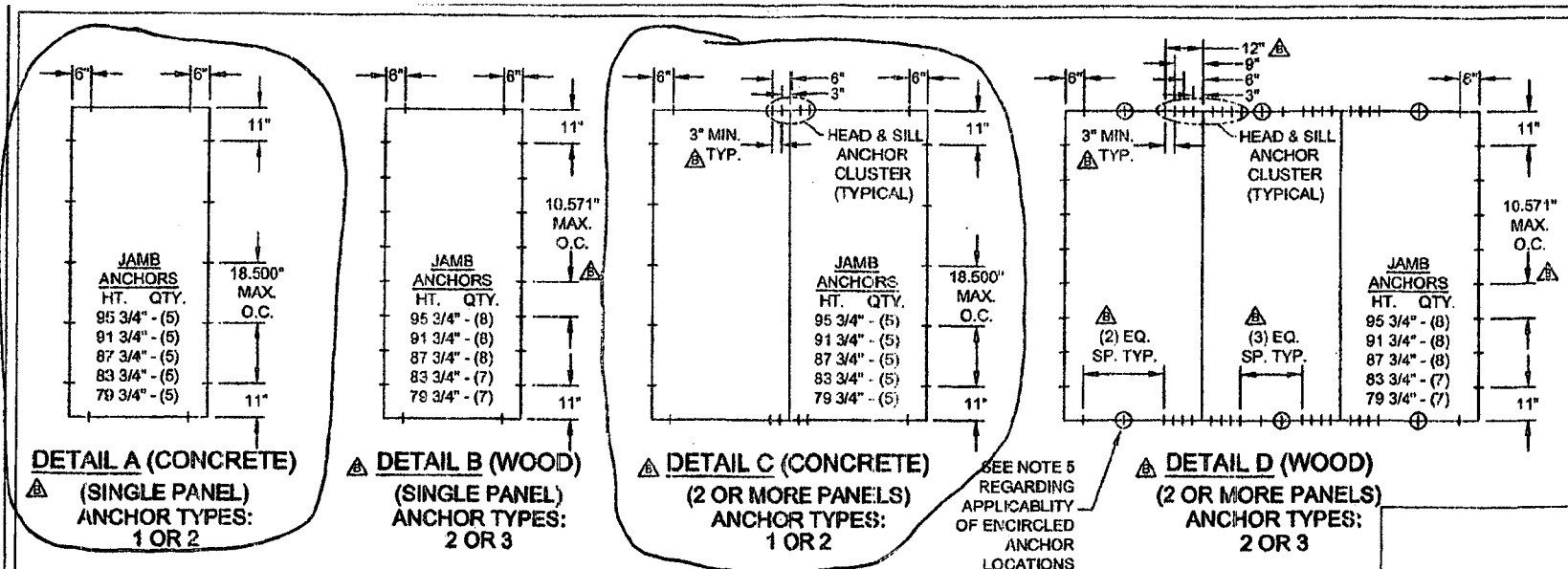
Drawn By: F.K.	Chk'd: 10/12/08	Revised: B	UPGRADE ITEMS 8.
Drawn By: J.R.	Chk'd: 08/22/09	Revised: C	NEW PAGE
Drawn By: J.R.	Chk'd: 01/20/10	Revised: D	NO CHANGES THIS G. MEET
Drawn By: F.K.	Chk'd: 11/23/04	Checked By: L.T.	Date: 4/2/05

1070 TECHNOLOGY DRIVE  
NOROLIS, FL 32278  
P.O. BOX 1632  
NOK 3M13, FL 32274



EXTRUSION PROFILES			
ALUM. FRENCH DOOR & SIDE LITES, IMPACT			
Doc#/Model: F0780	Scale: 1/2	Sh#s: 9 of 12	Draw g./No. 8000-11
			Form: D





**ANCHORAGE SPACING REQUIREMENTS:**

1. DETAILS A AND B ABOVE REPRESENT ANCHORING OF SINGLE X DOORS, OR INDIVIDUAL SIDE LITE O PANELS WITH FULL OR NARROW WIDTH JAMBS. DETAILS C AND D ABOVE REPRESENT ANCHORING OF ANY MIXTURE OF DOUBLE XX DOORS, SINGLE X DOORS, NARROW JAMB OR FULL JAMB SIDE LITE PANELS, FOR MULTIPLE-PANEL INSTALLATIONS OF TWO OR MORE PANELS. UNLESS OTHERWISE STATED, DIMENSIONS OF DETAILS A THROUGH D ARE MAXIMUMS.

2. ANCHOR TYPES 1 - 1/4" ELCO ULTRACON 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREW (G5)

CONCRETE SUBSTRATE USE TYPE 1 AT 1 3/8" MIN. EMBEDMENT OR TYPE 2 AT 1 3/4" EMBEDMENT. 1 3/4" MIN. EDGE DISTANCE FOR BOTH. WOOD SUBSTRATE - USE TYPE 2 OR TYPE 3 AT 1 3/8" MIN. EMBEDMENT.

3. SINGLE PANEL CONFIGURATIONS: (DETAIL A, CONCRETE SUBSTRATE. DETAIL B, WOOD SUBSTRATE)

HEAD AND SILL.....6" MAX. FROM FRAME CORNERS.  
JAMBS.....11" MAX. FROM FRAME CORNERS, 18.500" MAX. O.C. CONCRETE SUBSTRATE (DETAIL A) AND 10.571" MAX. O.C. WOOD SUBSTRATE (DETAIL B).

4. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL C, CONCRETE SUBSTRATE)

HEAD AND SILL.....6" MAX. FROM FRAME CORNERS, AND AT 3" AND 6" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 4).  
JAMBS.....11" MAX. FROM FRAME CORNERS AND 18.500" MAX. O.C.

5. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL D, WOOD SUBSTRATE)

HEAD AND SILL.....6" MAX. FROM FRAME CORNERS, AND AT 3", 6", 9" AND 12" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 8). PLUS ENCIRCLED ANCHORS OUTSIDE CLUSTERS, REQUIRED ONLY ON PANEL WIDTHS OVER 27 3/4".  
JAMBS.....11" MAX. FROM FRAME CORNERS AND 10.571" MAX. O.C.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Adoption: 09-1029-10  
Expiration Date: 08-24, 2015  
By: *M. J. Clark*  
Michael Clark Product Control  
Director

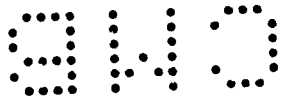
*R. L. Clark*  
1/25/10  
Robert L. Clark, P.E.  
PE #39712  
Structural

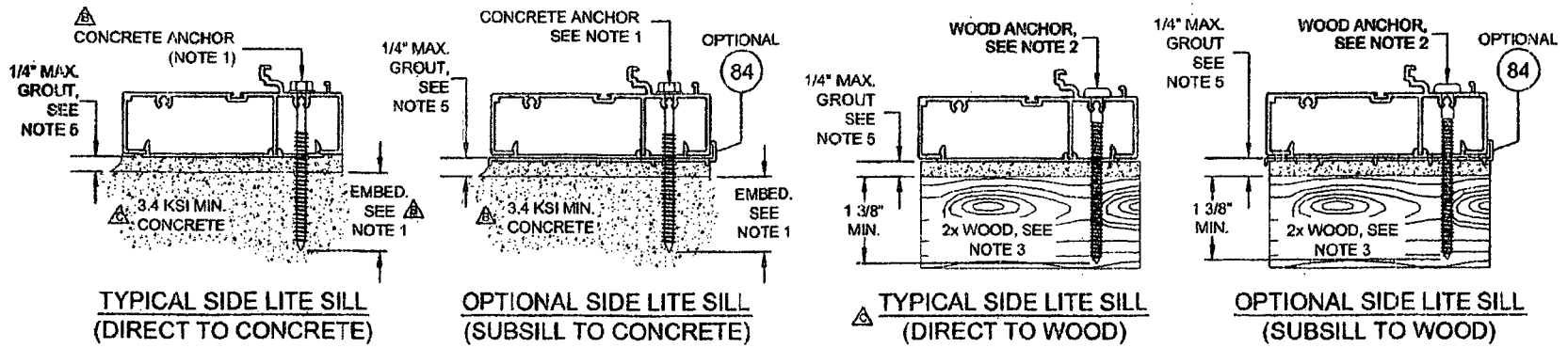
Revised By: F.K.	Date: 10/12/00	Revisions: B	REMOVE NOTE PERTAINING TO ANCHORAGE OUTSIDE M-D COUNTY. REVISE ANCHORAGE PER FBC2004 AND REVISE NOTES 2, 3 & 5.
Revised By: J.R.	Date: 09/22/00	Revisions: C	NO CHANGE THIS SHEET
Revised By: J.R.	Date: 01/25/10	Revisions: D	CHANGED "TAPCON" TO "ULTRACON".
Drawn By: F.K.	Date: 12/23/04	Checked By: L.T.	Date: 4/23/05

1070 TECHNOLOGY DRIVE  
NORONDA, FL 32755  
P.O. BOX 1629  
NORONDA, FL 32754

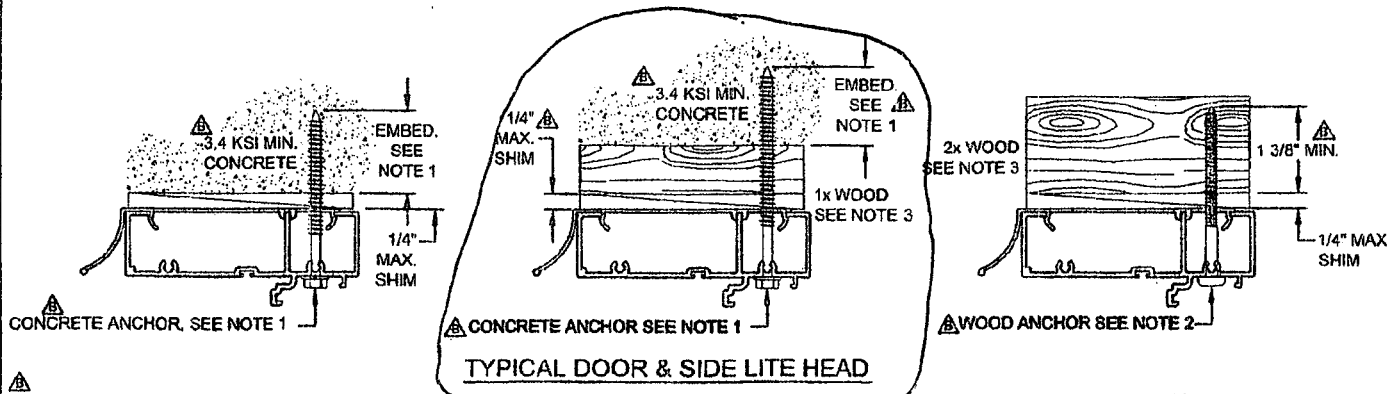


**ANCHORAGE SPACING**  
ALUM. FRENCH DOOR & SIDE LITES, IMPACT  
Sheet: FD750  
Scale: 1/4"  
Panel: 10 x 12  
Drawing No.: 8000-11  
Rev: D





← EXTERIOR INTERIOR →  
(ALL HEAD & SILL SECTIONS)

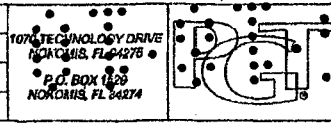


**NOTES:**

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" ULTRACONS OR 1/4" SS4 CRETE-FLEX. MIN. DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". MIN. EMBEDMENT: 1/4" ULTRACON - 1 3/8", 1/4" SS4 CRETE-FLEX - 1 3/4".
2. FOR WOOD APPLICATIONS USE #12 STEEL SCREWS (G5) OR ELCO 1/4" SS4 CRETE-FLEX - 1 3/8" MIN. EMBEDMENT FOR EITHER.
3. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
4. FOR ATTACHMENT TO ALUM: THE MAT'L SHALL BE A MIN. STRENGTH OF 6063-T5 AND A MIN. OF 1/8" THICK. THE ALUM. STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS ON THIS SHEET FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SMS WITH FULL ENGAGEMENT INTO THE ALUM. IF THESE CRITERIA ARE MET, THE PRESSURES SHOWN ON SHEET 3 AND ANCHORAGE SPACING FOR WOOD SHOWN ON SHEET 10 MAY BE USED.
5. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE.

Revised By:	Date:	Revisions:
F.K.	10/12/06	B
J.R.	08/22/09	O
J.R.	01/26/10	D
Drawn By:	Date:	Checked By:
F.K.	12/23/04	L.T.

107, TECHNOLOGY DRIVE  
NORLAND, FL 33428  
P.O. BOX 1329  
NORLAND, FL 33424

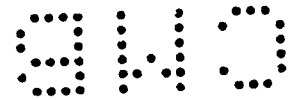


ANCHORAGE DETAILS			
ALOM® FRENCH DOOR & SIDE LITES, IMPACT			
Scale:	Sheet:	Drawing No.:	Rev.:
F0750	1/4	11 of 12	8000-11

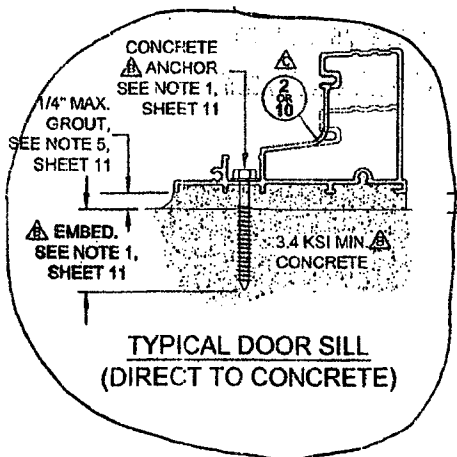
PRODUCT REVISION  
in compliance with the Florida  
Building Code  
Acceptance No. 09-1028-10  
Expiration Date FEB 24, 2015  
By: *Michael Perry*  
Michael Perry (Product Control)  
1/15/10

*Robert L. Clark*  
1/25/10

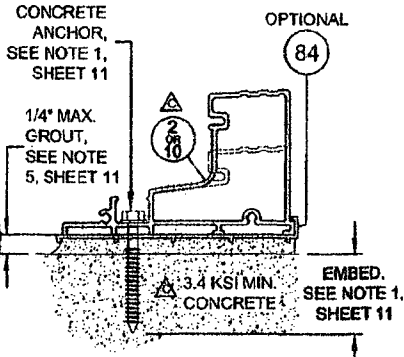
Robert L. Clark, P.E.  
PE #38712  
Structural



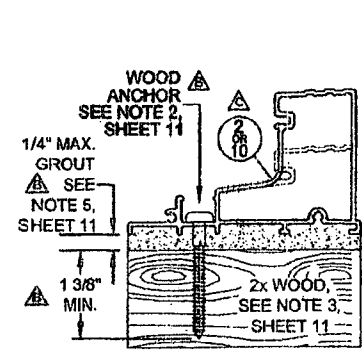
← EXTERIOR INTERIOR →  
(ALL SILL SECTIONS)



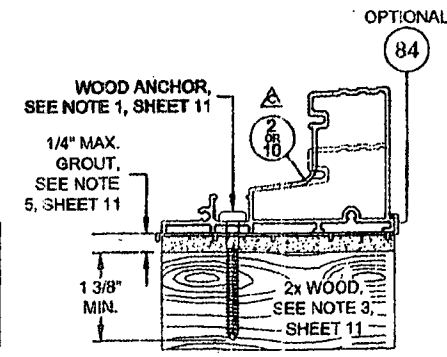
TYPICAL DOOR SILL  
(DIRECT TO CONCRETE)



OPTIONAL DOOR SILL  
(SUBSILL TO CONCRETE)

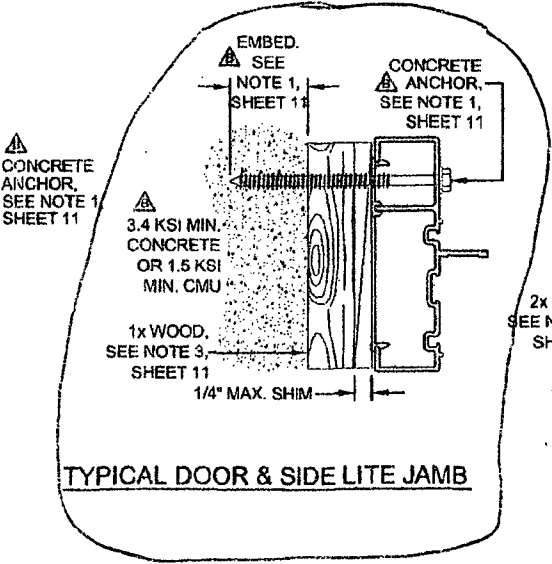
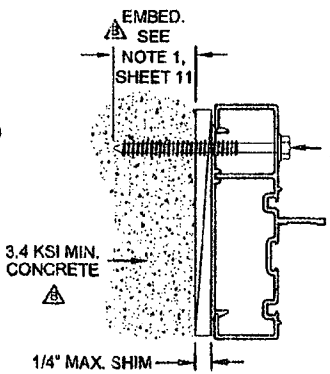


TYPICAL DOOR SILL  
(DIRECT TO WOOD)

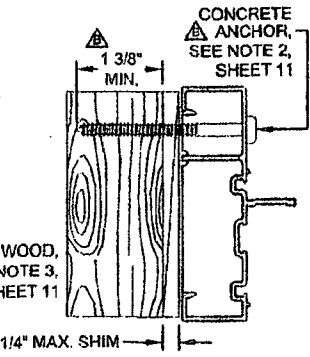


OPTIONAL DOOR SILL  
(SUBSILL TO WOOD)

↑ INTERIOR  
(ALL JAMB SECTIONS)  
EXTERIOR ↓



TYPICAL DOOR & SIDE LITE JAMB



PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 09-1028, 113  
Expiration Date FEB 24, 2015  
By: *[Signature]*  
Metallic Product Control  
Division

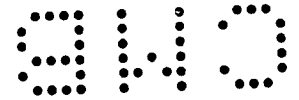
*[Signature]*  
1/25/10  
Robert L. Clark, P.E.  
PE #39712  
Structural

Revised By: F.K.	Date: 10/12/08	Revisions: B	NEW SHT. ADD SUBSILL AND ALTERNATE TOP & BOTTOM RAIL EXTRUSIONS.
Revised By: J.R.	Date: 08/22/09	Revisions: C	CHANGED MIN KSI OF CONCRETE. ADDED LOW RISE GILL OPTION. REORGANIZED DETAILS.
Revised By: J.R.	Date: 01/25/10	Revisions: D	NO CHANGES THIS SHEET
Checked By: F.K.	Date: 12/23/04	Checked By: L.T.	Date: 4/8/08

1070 TECHNOLOGY DRIVE  
NORFOLK, VA 24276  
P.O. BOX 409  
NORFOLK, VA 24274



ANCHORAGE DETAILS  
ALUM. FRENCH DOOR & SIDE LITES, IMPACT  
Date: 1/4  
Sheet: 12 of 12  
Drawing No: 8000-11  
Type: D



# NOTICE OF ACCEPTANCE (NOA)

**PGT Industries**  
1070 Technology Drive,  
Nokomis, Fl. 34275

**SCOPE:**

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

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

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

**DESCRIPTION: Series "PW-701" Aluminum Fixed Window-LMF**

**APPROVAL DOCUMENT:** Drawing No. 4259-4, titled "Aluminum Fixed Window, Impact", sheets 1 through 12 of 12, prepared by manufacturer, dated 7/14/03 and last revised revision "B" on dated 4/4/07, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Division renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**Limitation:**

1. Max DLO =Width-3.75" and /or=Height-3.75". The Annealed Glass shall be installed on the exterior side of laminate.
2. Max. corner distance for anchors is 8.5", except Hexagon & Octagon corner distance shall not to exceed 3". Max. corner distance for Nail (Integral Fin Frame) into wood substrate shall not exceed 3". Max. OC spacing is 5".
3. The anchor installation shown is applicable without geographical limitation.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's logo, city, state 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 the 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 recall.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA renews NOA # 07-0418.06 consists of this page 1 and evidence sheet E-1 as well as approval document mentioned above.

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

NOA No 08-1112.10

Expiration Date: February 19, 2014

Approval Date: January 08, 2009

Page 1



12/15/18



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS (transferred from file # 07-0418.06)**

1. Manufacturer's die drawings and sections.
2. Drawing No. 4259-4, titled "Aluminum Picture Window, Impact", sheets 1 through 12 of 12, prepared by manufacturer, dated 7/14/03 and last revised revision "B" on dated 4/4/07, signed and sealed by Robert L. Clark, P.E.

**B. TESTS (transferred from file # 07-0418.06)**

1. Test reports on
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Water Infiltration resistant Test
  - 3) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 4) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of alum. Fixed windows of various shapes, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3835, dated 07/18/03 and test report FTL-3850, dated 07/31/03, both signed and sealed by Joseph Chan, P.E.

**C. CALCULATIONS**

1. Anchor verification, comparative and structural analysis dated 04/13/2007, prepared, signed and sealed by Robert L. Clark, P.E.
2. Glazing complies w/ ASTM E-1300-02/04

**D. QUALITY ASSURANCE**

1. Miami Dade /Building Code Compliance Office (BCCO).

**F. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 06-0216.06 issued to Solutia Inc. for the "Saflex IIIIG Clear or colored Interlayer", expiring on 05/21/11.
2. Notice of Acceptance No. 05-1208.02 issued to E.I. DuPont DeNemours for "DuPont Butacite® PVB", expiring on 12/11/2010.

**E. STATEMENTS**

1. Statement letter of code compliance, "No change from previous approval and "No financial interest", dated 11-06-08 signed and sealed by Robert L. Clark, P. E.
2. Statement letter of Lab compliance, as a part of above referenced test reports.

**F. OTHER**

1. This NOA renews NOA # 07-0418.06 expires on February 19, 2009.

*Ishaq I. Chanda*

Ishaq I. Chanda, P. E.  
Product Control Examiner  
NOA No 08-1112.10  
Expiration Date: February 19, 2014  
Approval Date: January 08, 2009

**NOTES: LARGE MISSILE WINDOWS**

**1. GLAZING OPTIONS:**

- A. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
- B. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
- C. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
- D. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.

- 2. DESIGN PRESSURE RATINGS: (FLANGED - SEE SHEET 5, TABLE 1 AND INTEGRAL FIN - SEE SHEET 6, TABLE 2)
  - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
  - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

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

FOR ANCHORAGE INFORMATION SEE SHEETS 10 THROUGH 12.

- 4. SHUTTER REQUIREMENT: NONE REQUIRED
- 5. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.

- 6. REFERENCES: TEST REPORTS, FTL-3835 & FTL-3850
  - ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
  - ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION
  - ADM-2000 ALUMINUM DESIGN MANUAL

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

**NOA DRAWING TABLE OF CONTENTS SHEET**

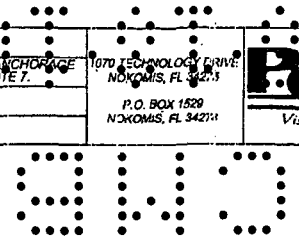
GENERAL NOTES.....	1
GLAZING DETAILS.....	2
ELEVATIONS, FLANGED.....	3
ELEVATIONS, INTEGRAL FIN.....	4
DESIGN PRESSURES FLANGED..	5
DESIGN PRESSURES FINNED.....	6
SECTIONS, FLANGED.....	7
CORNER ASS'Y, FLANGED.....	7
SECTIONS, INTEGRAL FIN.....	8
CORNER ASS'Y, INTEGRAL FIN...	8
EXTRUSION PROFILES.....	9
PARTS LIST.....	9
ANCHORAGE.....	10-12

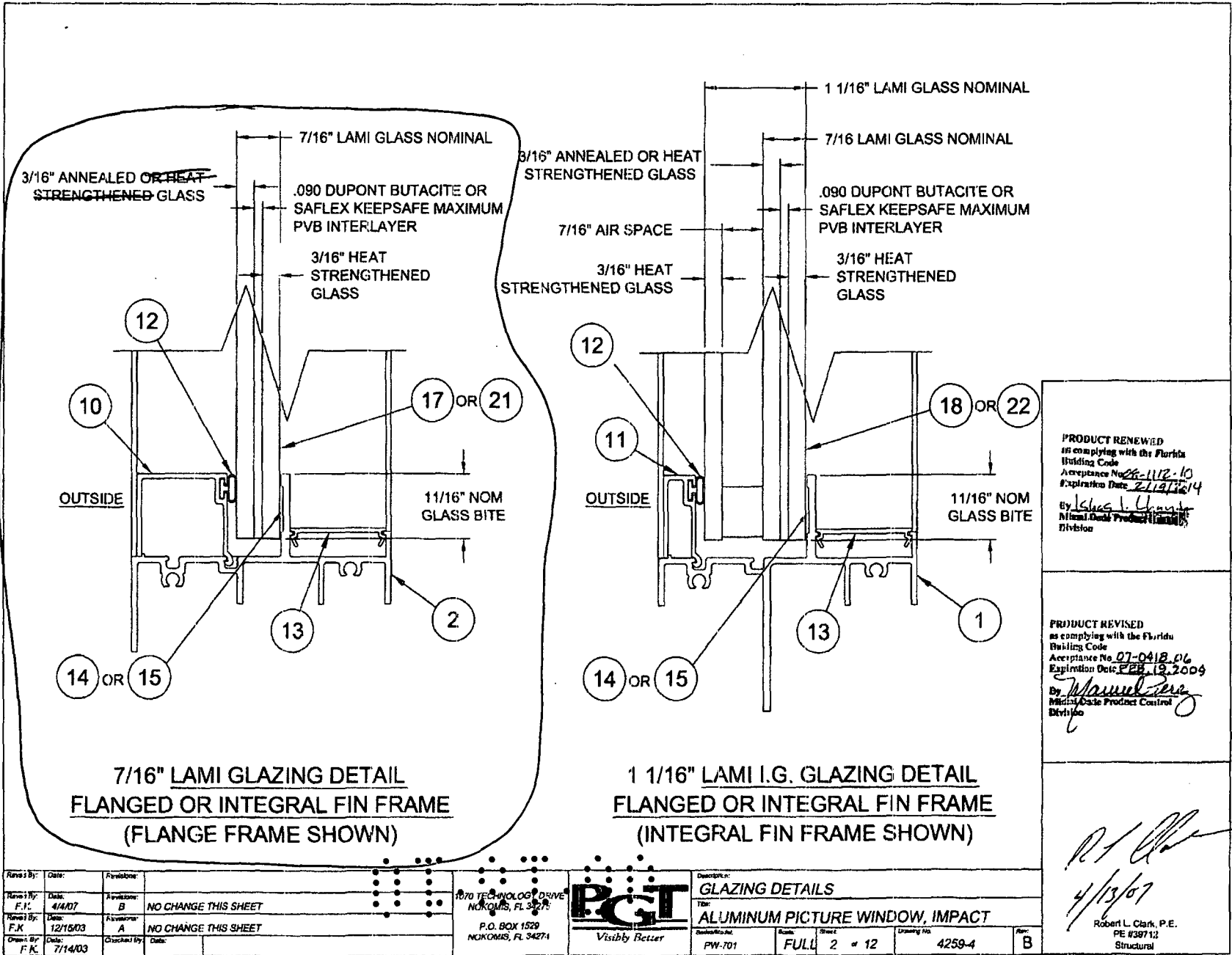
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 as complying with the Florida  
 Building Code  
 Acceptance No. 09-112-10  
 Expiration Date 2/18/2014  
 By Michael J. Clark  
 Miami/Dade Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-048-06  
 Expiration Date FEB 11, 2009  
 By Michael J. Clark  
 Miami/Dade Product Control  
 Division

*[Signature]*  
 4/13/07  
 Robert L. Clark, P.E.  
 PE #38712  
 Structural

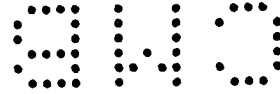
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F.K.	4/4/07	B	CHG. NOTE 2 TO REF. ASTM E 1300-02 AND REVISE ANCHORAGE NOTE 3. ADD REFERENCES TO NOTE 6 AND ADD NOTE 7.	Title: ALUMINUM PICTURE WINDOW, IMPACT			
Drawn By:	Date:	Revision:	Description:	Drawn By:	Scale:	Sheet:	Drawn By No.
F.K.	12/15/03	A	REDUCE ANCHOR SPACING	PW-701	NTS	1 of 12	4259-4
Drawn By:	Date:	Checked By:	Date:	Scale:	Sheet:	Drawn By No.	Rev:
F.K.	7/14/03						B

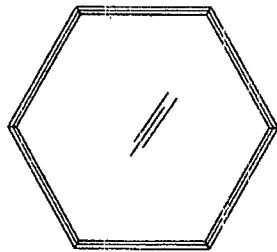




Revised By:	Date:	Revision:		 P.O. BOX 1529 NOKOMIS, FL 34274 Visibly Better	Description: <b>GLAZING DETAILS</b> Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>	Panel: FULL	Sheet: 2 of 12	Drawing No: 4259-4	Rev: B
Revised By:	Date:	Revision:	NO CHANGE THIS SHEET						
Revised By:	Date:	Revision:	NO CHANGE THIS SHEET						
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F.K.	4/4/07	B							
F.K.	12/16/03	A							
F.K.	7/14/03								

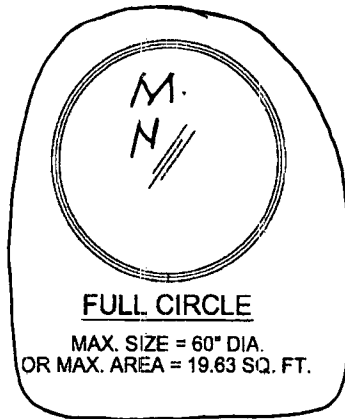
*Robert L. Clark*  
 4/13/07  
 Robert L. Clark, P.E.  
 PE #38712  
 Structural





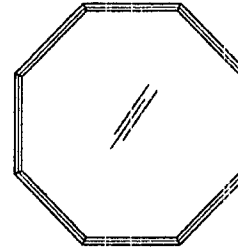
**HEXAGON**

MAX. SIZE = 60" BETWEEN FLATS  
OR MAX. AREA = 21.65 SQ. FT.



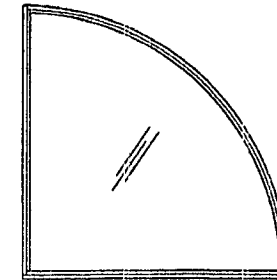
**FULL CIRCLE**

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OR MAX. AREA = 19.63 SQ. FT.



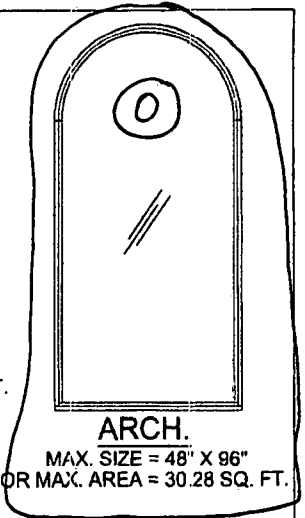
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OR MAX. AREA = 20.71 SQ. FT.



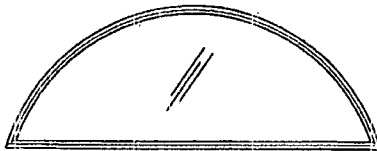
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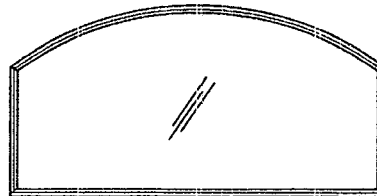
**ARCH**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 30.28 SQ. FT.



**FAN**

MAX. SIZE = 96" X 47"  
OR MAX. AREA = 24.47 SQ. FT.



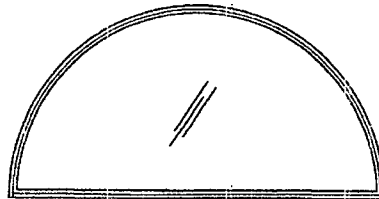
**EYEBROW**

MAX. SIZE = 96" X 48"  
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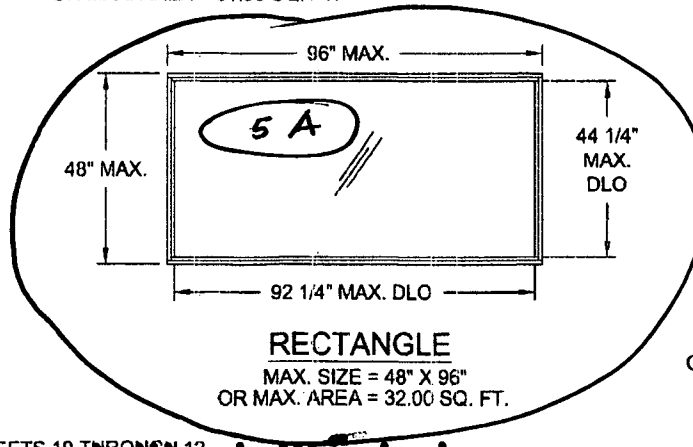
**ELLIPTICAL**

MAX. SIZE = 96" X 47"  
OR MAX. AREA = 31.99 SQ. FT.



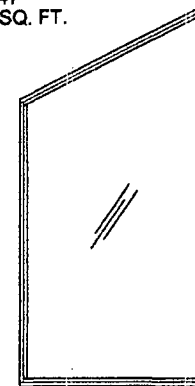
**HALF CIRCLE**

MAX. SIZE = 95" X 48"  
OR MAX. AREA = 25.13 SQ. FT.



**RECTANGLE**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 32.00 SQ. FT.



**TRAPEZOID**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 31.99 SQ. FT.

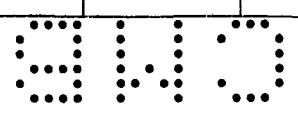
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 05-112-10  
Expiration Date 3-15-14  
By Isaac J. Clark  
Missed Date Product Control  
Division

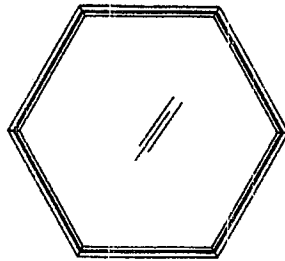
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-048-06  
Expiration Date FEB 19 2009  
By Michael P. ...  
Missed Date Product Control  
Division

*[Signature]*  
4/12/09  
Robert L. Clark, P.E.  
PE #39712  
Structural

**NOTE:** FOR ANCHORAGE INFORMATION SEE SHEETS 10 THROUGH 12.

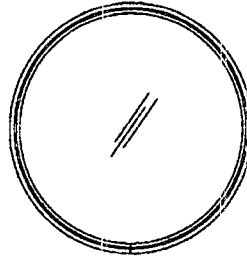
Revised By:	Date:	Revised By:	Date:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	<b>PGI</b> Visibly Better	Drawn by: <b>FLANGED ELEVATIONS</b>				Sheet No. PW-701	Scale NTS	Date 3 of 12	Drawing No. 4259-4	Rev. B
Revised By: F.K.	Date: 4/4/07	Revised By: B	Date: UPDATE ANCHORAGE NOTE	P.O. BOX 1529 NOKOMIS, FL 34274		Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>								
Revised By: F.K.	Date: 12/15/03	Revised By: A	Date: NO CHANGE THIS SHEET											
Checked By: F.K.	Date: 7/14/03	Checked By:	Date:											





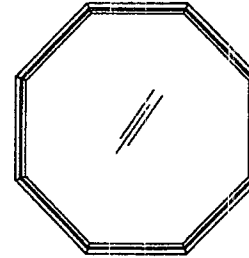
**HEXAGON**

MAX. SIZE = 60" BETWEEN FLATS  
OR MAX. AREA = 21.65 SQ. FT.



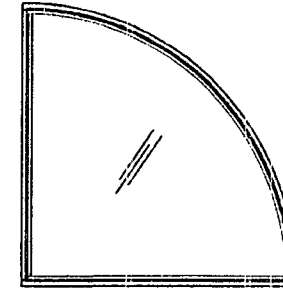
**FULL CIRCLE**

MAX. SIZE = 60" DIA.  
OR MAX. AREA = 19.63 SQ. FT.



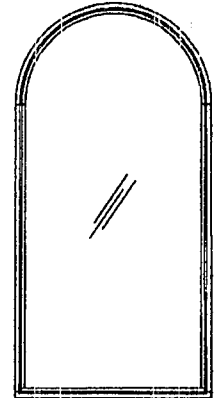
**OCTAGON**

MAX. SIZE = 60" BETWEEN FLATS  
OR MAX. AREA = 20.71 SQ. FT.



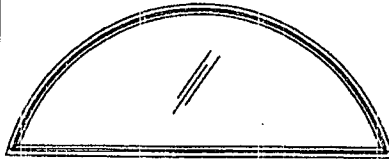
**QUARTER CIRCLE**

MAX. SIZE = 68" X 68"  
OR MAX. AREA = 25.22 SQ. FT.



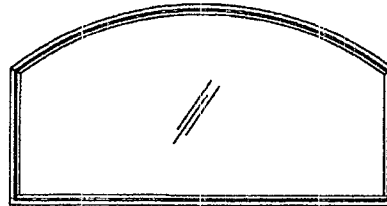
**ARCH.**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 30.28 SQ. FT.



**FAN**

MAX. SIZE = 96" X 47"  
OR MAX. AREA = 24.47 SQ. FT.



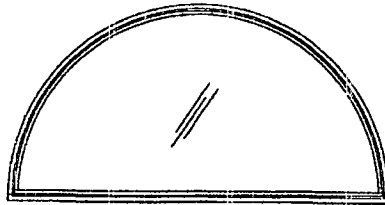
**EYEBROW**

MAX. SIZE = 96" X 48"  
OR MAX. AREA = 31.99 SQ. FT.



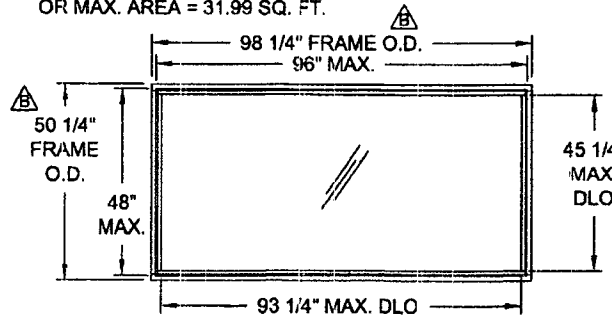
**ELLIPTICAL**

MAX. SIZE = 96" X 47"  
OR MAX. AREA = 31.99 SQ. FT.



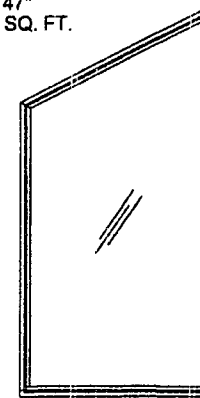
**HALF CIRCLE**

MAX. SIZE = 96" X 48"  
OR MAX. AREA = 25.13 SQ. FT.



**RECTANGLE**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 32.00 SQ. FT.



**TRAPEZOID**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 31.99 SQ. FT.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 28-1112-10  
Expiration Date 2/15/2014  
By: [Signature]  
Miami-Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0418-06  
Expiration Date 03/19/2009  
By: [Signature]  
Miami-Dade Product Control  
Division

[Signature]  
4/15/07  
Robert L. Clark, P.E.  
PE #38712  
Structural

**NOTE:** FOR ANCHORAGE INFORMATION SEE SHEETS 10 THROUGH 12.

Revised By:	Date:	Revision:		1370 TECHNOLOGY DRIVE NOKOMIS, FL 33475		Description: <b>INTEGRAL FIN ELEVATIONS</b>				Rev:
F.K.	4/4/07	B	ADD FRAME O.D. DIMENSIONS AND UPDATE ANCHORAGE NOTE			Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>				
Revised By:	Date:	Revision:		P.O. BOX 1529 NOKOMIS, FL 34274	Visibly Better	Material:	Scale:	Sheet:	Drawing No.	Rev:
F.K.	12/15/03	A	NO CHANGE THIS SHEET			PW-701	NTS	4 of 12	4259-4	
Drawn By:	Date:	Checked By:	Date:							
F.K.	7/14/03									

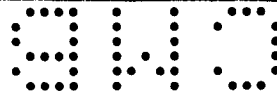


TABLE 1. DESIGN PRESSURES, FLANGED WINDOWS (DIMENSIONS ARE TIP-TO-TIP)

GLASS TYPES: A. 7/16" LAMINATED GLASS (3/16" A, .090, 3/16HS)

B. 7/16" LAMINATED GLASS (3/16" HS, .090, 3/16HS)

C. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS)

D. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS)

FTL-3835

FTL-3835

FTL-3850


FTL-3850

WINDOW "X" DIM.	GLASS TYPE	WINDOW "Y" DIMENSION											
		28.500		34.000		39.500		45.000		46.500		48.000	
49.000	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	9.70 SQ.FT.		11.57 SQ.FT.		13.44 SQ.FT.		15.31 SQ.FT.		15.82 SQ.FT.		16.33 SQ.FT.	
54.500	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	10.79 SQ.FT.		12.87 SQ.FT.		14.95 SQ.FT.		17.03 SQ.FT.		17.60 SQ.FT.		18.17 SQ.FT.	
60.000	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	11.88 SQ.FT.		14.17 SQ.FT.		16.46 SQ.FT.		18.75 SQ.FT.		19.38 SQ.FT.		20.00 SQ.FT.	
65.500	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	12.96 SQ.FT.		15.47 SQ.FT.		17.97 SQ.FT.		20.47 SQ.FT.		21.15 SQ.FT.		21.83 SQ.FT.	
71.000	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	14.05 SQ.FT.		16.76 SQ.FT.		19.48 SQ.FT.		22.19 SQ.FT.		22.93 SQ.FT.		23.67 SQ.FT.	
76.500	A	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.3	-79.3	+78.0	-78.0	+76.8	-76.8
	B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	15.14 SQ.FT.		18.06 SQ.FT.		20.98 SQ.FT.		23.91 SQ.FT.		24.70 SQ.FT.		25.50 SQ.FT.	
82.000	A	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+74.5	-74.5	+73.1	-73.1	+71.8	-71.8
	B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	16.23 SQ.FT.		19.36 SQ.FT.		22.49 SQ.FT.		25.63 SQ.FT.		26.48 SQ.FT.		27.33 SQ.FT.	
87.500	A	+80.0	-80.0	+80.0	-80.0	+78.0	-78.0	+70.0	-70.0	+68.4	-68.4	+67.0	-67.0
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.1	-79.1	+77.3	-77.3	+75.8	-75.8
	B, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	17.32 SQ.FT.		20.66 SQ.FT.		24.00 SQ.FT.		27.34 SQ.FT.		28.26 SQ.FT.		29.17 SQ.FT.	
93.000	A	+80.0	-80.0	+80.0	-80.0	+74.0	-74.0	+65.5	-65.5	+63.9	-63.9	+62.4	-62.4
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+74.0	-74.0	+72.2	-72.2	+70.5	-70.5
	B, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	18.41 SQ.FT.		21.96 SQ.FT.		25.51 SQ.FT.		29.06 SQ.FT.		30.03 SQ.FT.		31.00 SQ.FT.	
96.000	A	+80.0	-80.0	+80.0	-80.0	+71.9	-71.9	+63.0	-63.0	+61.5	-61.5	+60.0	-60.0
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+71.2	-71.2	+69.5	-69.5	+67.8	-67.8
	B, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	19.00 SQ.FT.		22.67 SQ.FT.		26.33 SQ.FT.		30.00 SQ.FT.		31.00 SQ.FT.		32.00 SQ.FT.	

5A

NOTES: A

- ALL MAXIMUM SIZES SHOWN ON SHEET 3 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 1.
- ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 1, OR TO THE PRESSURE FOR THE SMALLEST RECTANGULAR SIZE IN TABLE 1, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.
- SEE SHEET 10 THROUGH 12 FOR ANCHORAGE INFORMATION.

Revised By: F.K.	Date: 4/4/07	Revisions: B	UPDATE DESIGN PRESSURES PER ASTM E 1300-02 AND NOTES. CLEAN UP TABLE 1 DESCRIPTION AND HEADINGS.	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34273	 Visibly Better	Description: FLANGED UNIT DESIGN PRESSURES			
Revised By: F.K.	Date: 12/15/03	Revisions: A	CHANGE NOTE 1 ANCHORING WITH #12 SCREWS	P.O. BOX 1529 NOKOMIS, FL 34274		Title: ALUMINUM PICTURE WINDOW, IMPACT			
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:		Product: PW-701	Grade: NTS	Wind: 5 @ 12	Drawing No: 4259-4	Rev: B

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 05-112-10  
Expiration Date 2/19/2014  
By: *Shaggy*  
Miami Code Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0418-02  
Expiration Date FEB 19, 2009  
By: *Manuel*  
Miami Code Product Control  
Division

*Robert L. Clark*  
4/13/07  
Robert L. Clark, P.E.  
PE #39712  
Structural

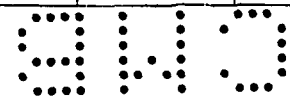



TABLE 2. DESIGN PRESSURES, INTEGRAL FIN WINDOWS (SIZES ARE BUCK DIMENSIONS)													
GLASS TYPES: A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS)		FTL-3835											
B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16HS)		FTL-3835											
C. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS)		FTL-3850											
D. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS; .090, 3/16" HS)		FTL-3850											
WINDOW "X" DIM.	GLASS TYPE	WINDOW "Y" DIMENSION											
		28.500		34.000		39.500		45.000		46.500		48.000	
49.000	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		9.70 SQ.FT.		11.57 SQ.FT.		13.44 SQ.FT.		15.31 SQ.FT.		15.82 SQ.FT.		16.33 SQ.FT.	
54.500	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		10.79 SQ.FT.		12.87 SQ.FT.		14.95 SQ.FT.		17.03 SQ.FT.		17.60 SQ.FT.		18.17 SQ.FT.	
60.000	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		11.88 SQ.FT.		14.17 SQ.FT.		16.46 SQ.FT.		18.75 SQ.FT.		19.38 SQ.FT.		20.00 SQ.FT.	
65.500	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		12.96 SQ.FT.		15.47 SQ.FT.		17.97 SQ.FT.		20.47 SQ.FT.		21.15 SQ.FT.		21.83 SQ.FT.	
71.000	A, B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		14.05 SQ.FT.		16.76 SQ.FT.		19.48 SQ.FT.		22.19 SQ.FT.		22.93 SQ.FT.		23.67 SQ.FT.	
76.500	A	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.3	-79.3	+78.0	-78.0	+76.8	-76.8
	B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		15.14 SQ.FT.		18.06 SQ.FT.		20.98 SQ.FT.		23.91 SQ.FT.		24.70 SQ.FT.		25.50 SQ.FT.	
82.000	A	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+74.5	-74.5	+73.1	-73.1	+71.8	-71.8
	B, C, D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
AREA		16.23 SQ.FT.		19.36 SQ.FT.		22.49 SQ.FT.		25.63 SQ.FT.		26.48 SQ.FT.		27.33 SQ.FT.	
87.500	A	+80.0	-80.0	+80.0	-80.0	+78.0	-78.0	+70.0	-70.0	+68.4	-68.4	+67.0	-67.0
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.1	-79.1	+77.3	-77.3	+75.8	-75.8
AREA		17.32 SQ.FT.		20.66 SQ.FT.		24.00 SQ.FT.		27.34 SQ.FT.		28.26 SQ.FT.		29.17 SQ.FT.	
93.000	A	+80.0	-80.0	+80.0	-80.0	+74.0	-74.0	+65.5	-65.5	+63.9	-63.9	+62.4	-62.4
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+74.0	-74.0	+72.2	-72.2	+70.5	-70.5
AREA		18.41 SQ.FT.		21.96 SQ.FT.		25.51 SQ.FT.		29.06 SQ.FT.		30.03 SQ.FT.		31.00 SQ.FT.	
96.000	A	+80.0	-80.0	+80.0	-80.0	+71.9	-71.9	+63.0	-63.0	+61.5	-61.5	+60.0	-60.0
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+71.2	-71.2	+69.5	-69.5	+67.8	-67.8
AREA		19.00 SQ.FT.		22.67 SQ.FT.		26.33 SQ.FT.		30.00 SQ.FT.		31.00 SQ.FT.		32.00 SQ.FT.	

NOTES: **A**

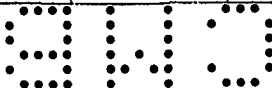
- ALL MAXIMUM SIZES SHOWN ON SHEET 4 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 2.
- ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 2, OR TO THE PRESSURE FOR THE SMALLEST SQUARE OR RECTANGULAR SIZE IN TABLE 2, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.
- INSTALLATION WITH NAILS IS THROUGH THE INTEGRAL FIN AS SHOWN ON SHEET 10. INSTALLATION WITH OTHER FASTENER TYPES ARE THROUGH THE FRAME. SEE ANCHORAGE DETAILS ON SHEETS 10 AND 11.

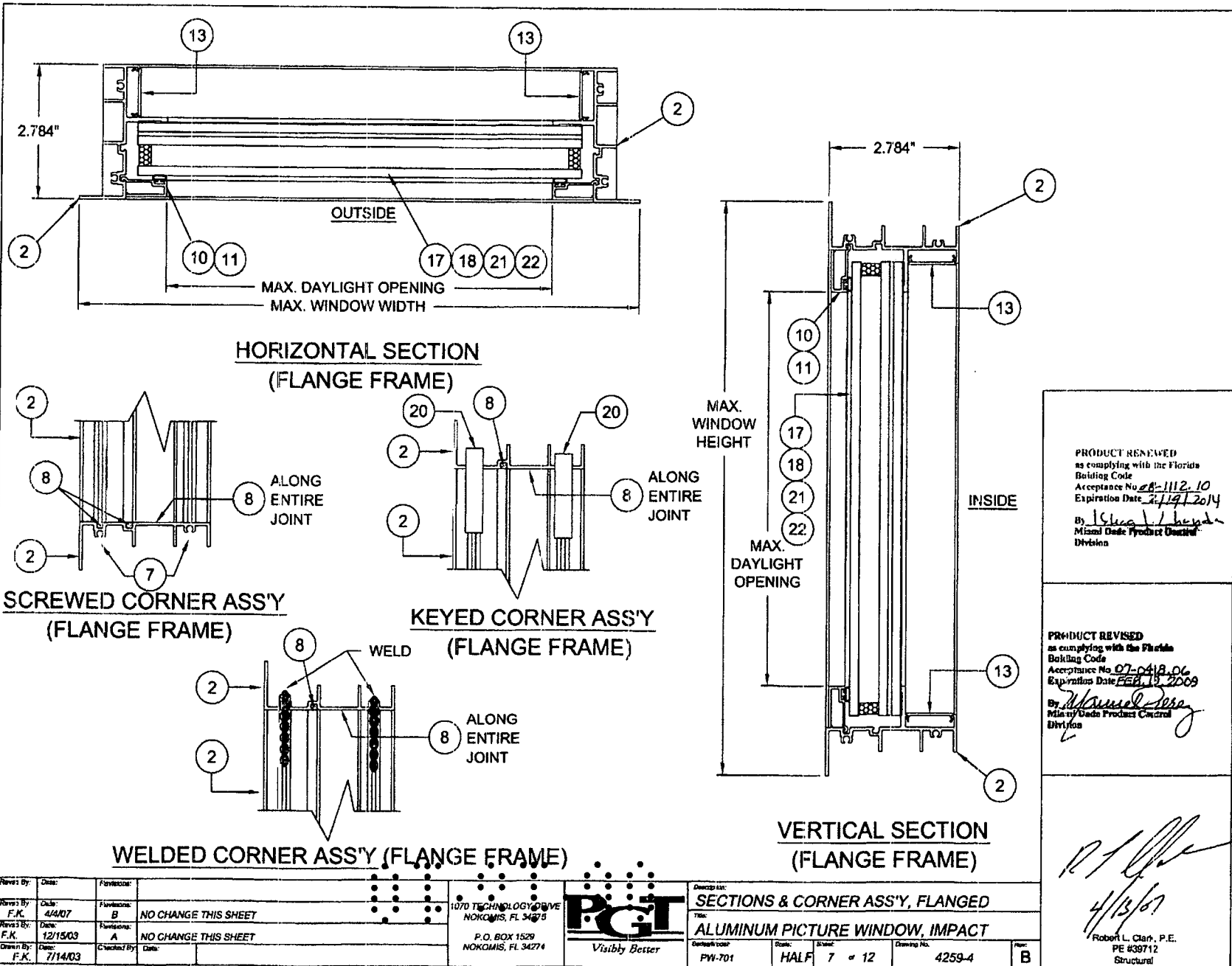
Revised By:	Date:	Revisions:	1070 TECHNOLOGICAL DRIVE NOKOMIS, FL 34421	DESCRIPTION: <b>INTEGRAL FIN UNIT DESIGN PRESSURES</b>
Revised By: F.K.	Date: 4/4/07	Revisions: B UPDATE DESIGN PRESSURES PER ASTM E 1300-06 AND NOTE 5 CLEAN UP TABLE 2 DESCRIPTION AND HEADINGS.	 <b>PGI</b> Visibly Better	TITLE: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>
Revised By: F.K.	Date: 12/15/03	Revisions: A CHANGE NOTE 1 ANCHORING WITH #12 SCREWS.		Series/Order: PW-701
Drawn By: F.K.	Date: 7/14/03	Checked By:	P.O. BOX 1629 NOKOMIS, FL 34271	Sheet: 6
				of 12
				Drawing No. 4259-4
				Rev: B

PRODUCT REVISIED  
as complying with the Florida  
Building Code  
Acceptance No. 06-1112-10  
Expiration Date 7/19/2014  
By: [Signature]  
Miami Dade Product Control  
Division

PRODUCT REVISIED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0418-06  
Expiration Date Feb 19, 2009  
By: [Signature]  
Miami Dade Product Control  
Division

[Signature]  
4/13/07  
Robert L. Clark, P.E.  
PE #38712  
Structural





PRODUCT REVISIED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1112.10  
 Expiration Date 2/19/2014  
 By [Signature]  
 Miami Dade Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0418.06  
 Expiration Date FEB 13 2009  
 By [Signature]  
 Miami Dade Product Control  
 Division

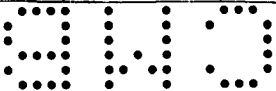
[Signature]  
4/13/07  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revised By:	Date:	Revision:	
F.K.	4/4/07	B	NO CHANGE THIS SHEET
F.K.	12/15/03	A	NO CHANGE THIS SHEET
Drawn By:	Date:	Checked By:	Date:
F.K.	7/14/03		

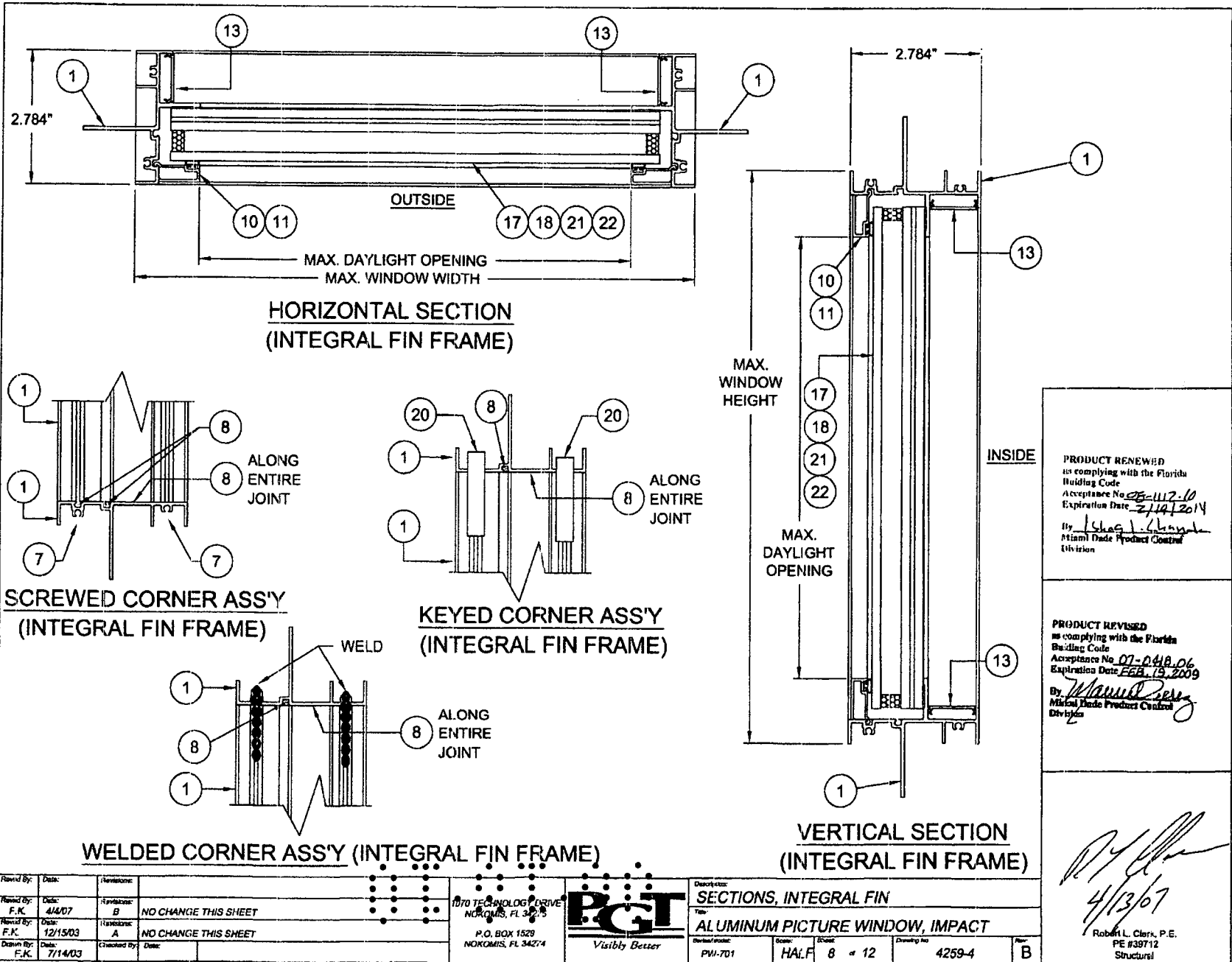
1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34475  
 P.O. BOX 1529  
 NOKOMIS, FL 34274



Describe Item:	SECTIONS & CORNER ASS'Y, FLANGED		
Title:	ALUMINUM PICTURE WINDOW, IMPACT		
Part/Work Code:	Scale:	Sheet:	Drawing No.
PW-701	HALF	7 of 12	4259-4
			Rev: B







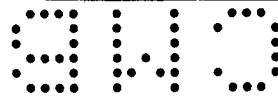
Revised By:	Date:	Revision:	
F.K.	4/14/07	B	NO CHANGE THIS SHEET
F.K.	12/15/03	A	NO CHANGE THIS SHEET
Drawn By:	Date:	Checked By:	Date:
F.K.	7/14/03		

1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34213  
 P.O. BOX 1529  
 NOKOMIS, FL 34274

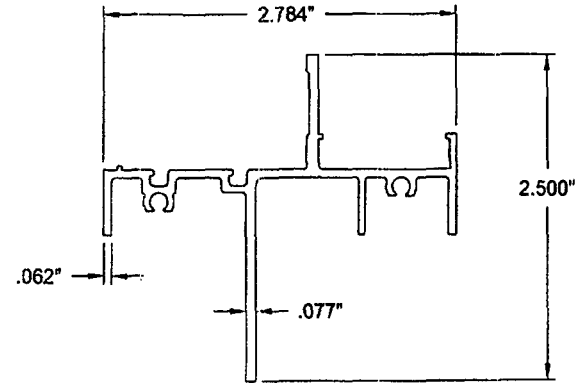
**PGT**  
 Visibly Better

DESCRIPTION: SECTIONS, INTEGRAL FIN  
 TITLE: ALUMINUM PICTURE WINDOW, IMPACT

Revised/Issue:	Scale:	Sheet:	Drawing No.	Rev:
PWI-701	HALF	8	of 12	4259-4



ITEM	DWG NO.	PART #	DESCRIPTION
1	4256A	64256	INTEGRAL FIN FRAME HEAD, SILL & JAMB
2	4253	64253	FLANGED FRAME HEAD, SILL & JAMB
7	1155	781PQX	#8 X 1 QUAD PN SMS STAINLESS STEEL
8			SCHNEE-MOREHEAD SM5504 ACRYL-R NARROW JOINT SEALANT OR EQUAL
10	4255	64255	7/16 LAMI GLASS BEAD
11	4254	64254	1 1/16 LAMI I.G. GLASS BEAD
12	1224	6TP247	VINYL BULB WEATHERSTRIP (THICK)
13	4224		INSTALLATION FASTENER COVER
14			DOW CORNING 899 GLAZING SEALANT OR EQUIVALENT
15			DOW CORNING 995 SILICONE STRUCTURAL SEALANT, BLACK
17			7/16" LAMI GLASS: 3/16" ANNEALED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
18			1 1/16" LAMI I.G. GLASS: 3/16" HEAT STRENGTHENED OUTBOARD - 7/16" AIRSPACE - 3/16" ANNEALED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
20	4262	64262	ARCHITECTURAL CORNER KEY
21			7/16" LAMI GLASS: 3/16" HEAT STRENGTHENED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
22			1 1/16" LAMI I.G. GLASS: 3/16" HEAT STRENGTHENED OUTBOARD - 7/16" AIRSPACE - 3/16" HEAT STRENGTHENED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED

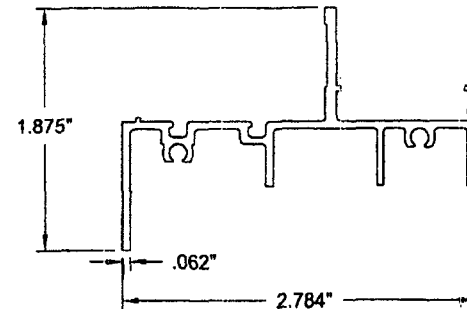


**ITEM 1, INTEGRAL FIN FRAME**

MAT'L: 6063-T5  
DWG NO. 4256A

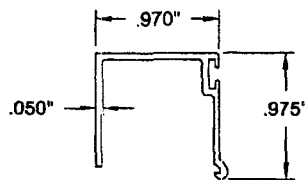
PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 08-117-10  
Expiration Date 2/19/2014  
By Sharon L. Chung  
Miami Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0418-06  
Expiration Date FEB. 19, 2009  
By Manuel Serr  
Miami Dade Product Control  
Division



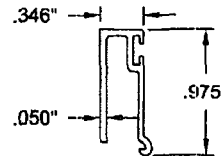
**ITEM 2, FLANGED FRAME**

MAT'L: 6063-T5  
DWG NO. 4253



**ITEM 10,  
7/16 LAMI GLASS BEAD**

MAT'L: 6063-T5  
DWG NO. 4255



**ITEM 11,  
1 1/16 LAMI I.G. GLASS BEAD**

MAT'L: 6063-T5  
DWG NO. 4254

Revised By:	Date:	Revisions:	
F.K.	4/4/07	B	NO CHANGE THIS SHEET
F.K.	12/15/03	A	NO CHANGE THIS SHEET
Drawn By:	Date:	Checked By:	Date:
F.K.	7/14/03		

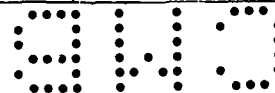
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34293  
P.O. BOX 1529  
NOKOMIS, FL 34274

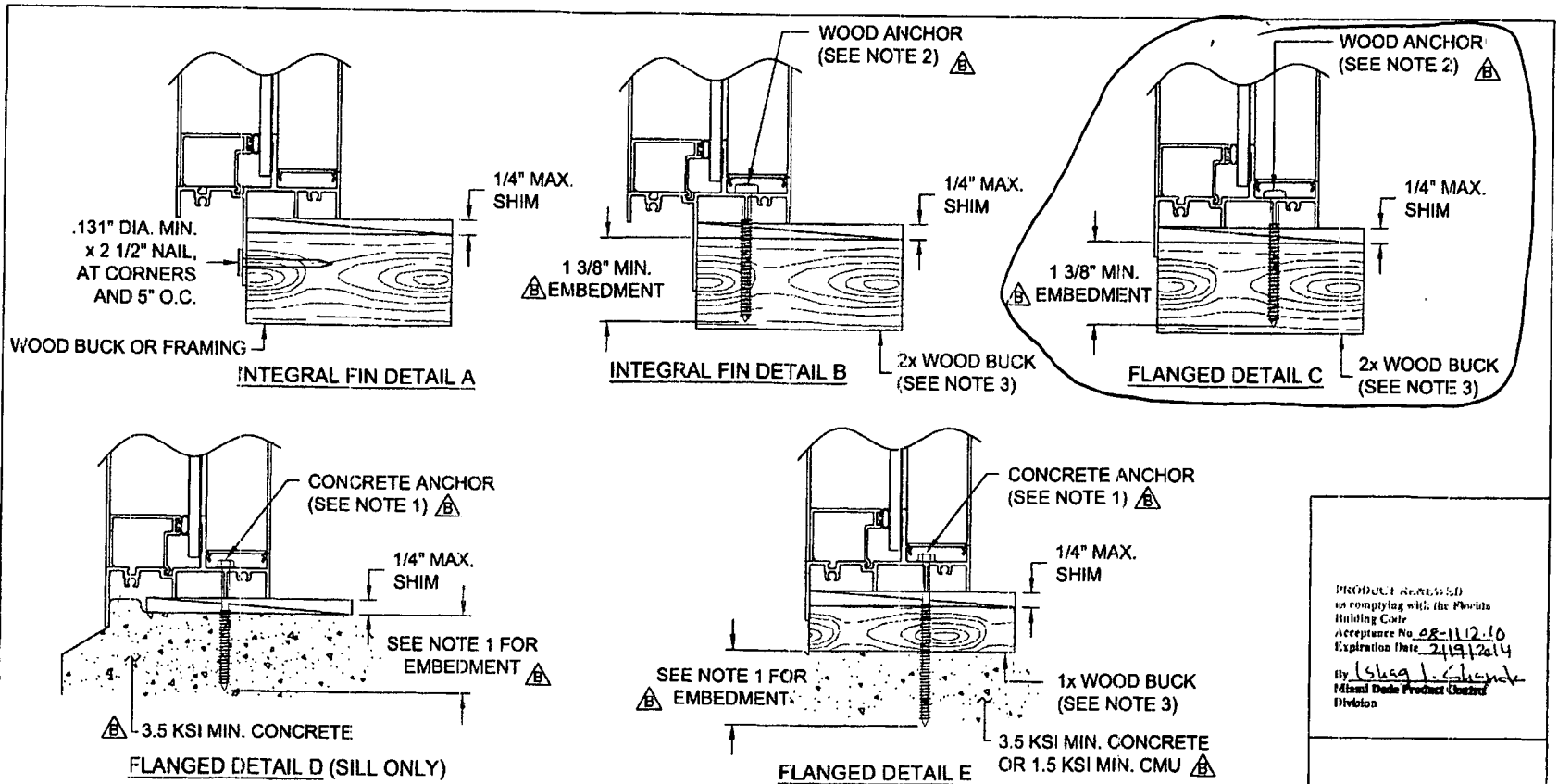


Extrusion Profiles & Parts List  
The  
**ALUMINUM PICTURE WINDOW, IMPACT**

Revised by:	Scale:	Sheet:	Drawing No.:	Rev.:
PW-701	HALF	9 of 12	4259-4	B

*[Signature]*  
4/13/07  
Robert Clark, P.E.  
PE #39712  
Structural





- NOTES:**
1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS, EMBEDDED 1 3/8" MIN., 5/16" ELCO TAPCONS EMBEDDED 1 3/4" MIN. OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN. DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4" MIN.
  2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 OR #14 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX.
  3. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
  4. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR TAPCONS MAY BE USED.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1112-10  
 Expiration Date 2/19/2014  
 By: *Greg L. Glendon*  
 Miami Dade Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0418-06  
 Expiration Date FEB. 19, 2009  
 By: *Manuel Jara*  
 Miami Dade Product Control  
 Division

Revised By:	Date:	Revisions:			
F.K.	4/4/07	B	REVISE AND UPDATE ANCHORAGE PER CURRENT P.F.B.O.	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34271	 Visibly Better
F.K.	12/15/03	A	CHANGE NOTE 1 AND FASTENER SPACING	P.O. BOX 1526 NOKOMIS, FL 34271	
Drawn By:	Date:	Checked By:	Date:		
F.K.	7/14/03				

Description:		ANCHORAGE - HEAD, SILL AND JAMBS	
Title:		ALUMINUM PICTURE WINDOW, IMPACT	
Series/Model:	Series:	Sheet:	Drawing No.
PW-701	NTS	10 of 12	4259-4
			Rev: B

*Robert L. Clark*  
 4/13/07  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

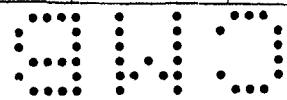




TABLE 4. ANCHOR ON-CENTER DIMENSION BY ANCHOR TYPE - CONCRETE SUBSTRATE

WIND. "X" DIM.	ANCHOR TYPE	WINDOW "Y" DIMENSION																																			
		15.0"			20.0"			25.0"			28.5"			30.0"			34.0"			39.5"			45.0"			46.5"			48.0"								
		3	4	5	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5						
49.0"	O.C.	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2	12	3/8	7 1/2			
54.5"	O.C.	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2	10	5/8	7 1/2
60.0"	O.C.	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8			
65.5"	O.C.	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4	10	3/4	10 3/4			
71.0"	O.C.	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2	11	13/16	7 1/2			
76.5"	O.C.	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2	10	3/4	7 1/2			
82.0"	O.C.	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2	11	11/16	7 1/2			
87.5"	O.C.	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2	12	5/8	7 1/2			
93.0"	O.C.	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8	11	5/8	10 1/8			
96.0"	O.C.	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8	12	7 1/2	10 3/8			

5A

- ANCHOR TYPES:  
 1. #12 STEEL SCREW (G5)  
 2. #14 STEEL SCREW (G5)  
 3. 1/4" ELCO TAPCON  
 4. 1/4" ELCO SS4 CRETEFLEX  
 5. 5/16" ELCO TAPCON

PRODUCT REVISION  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1112-10  
 Expiration Date 2/19/2014  
 By: *Isaac L. Clark*  
 Miami Code Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0418-06  
 Expiration Date Feb 15, 2009  
 By: *Manuel Silva*  
 Miami Code Product Control  
 Division

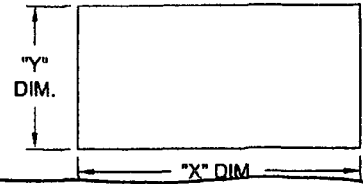
NOTES:

1. ANCHOR SPACING FOR SQUARE AND RECTANGULAR WINDOWS:

MAX. ON-CENTER (O.C.) "X" AND "Y" DIMENSION FROM TABLE 4 (MIN. 2 1/8" O.C. CONCRETE SUBSTRATE)  
 MAX. 8 1/2" FROM CORNERS

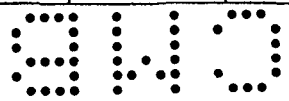
2. ANCHOR SPACING FOR WINDOW SHAPES OTHER THAN SQUARE OR RECTANGULAR:

FIND THE SMALLEST WINDOW SIZE IN TABLE 4 WHICH THE OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN AND USE THE ON-CENTER DIMENSION FOR THE RESPECTIVE ANCHOR TYPE AROUND THE PERIMETER OR CIRCUMFERENCE, NOT EXCEEDING 8 1/2" FROM ANY CORNER.



Revised By:	Date:	Revisions:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 33463	ANCHORAGE, CONCRETE SUBSTRATE
Drawn By:	Date:	Checked By:	P.O. BOX 1529 NOKOMIS, FL 34274	ALUMINUM PICTURE WINDOW, IMPACT
Approved By:	Date:	Revision:	Visible Better	Design/Draw: PW-701
F.K.	4/4/07	B		Scale: NTS
		NEW SHEET		Sheet: 12 of 12
				Drawing No: 4259-3
				Rev: B

*Robert L. Clark*  
 4/13/07  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural





MIAMI-DADE COUNTY  
BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

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

**NOTICE OF ACCEPTANCE (NOA)**

[www.buldingcodeonline.com](http://www.buldingcodeonline.com)

**PGT Industries**  
1070 Technology Drive  
Nokomis, FL 34275

**SCOPE:**

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

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

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

**DESCRIPTION: Series SH-700 Aluminum Single Hung Window**

**APPROVAL DOCUMENT:** Drawing No. 4040-20, titled "Alum. Single Hung Window, Impact", sheets 1 through 11 of 11, dated 9/1/05, with revision B dated 11/13/06, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval Stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**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 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. **VIOLATION** 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 # 05-1018.01 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.**



NOA No. 07-0322.06  
Expiration Date: March 23, 2011  
Approval Date: June 07, 2007  
Page 1


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **4040-20**, Sheets 1 through 11 of 11, titled "Alum. Single Hung Window, Impact", dated 9/1/05, with revision B dated 11/13/06, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

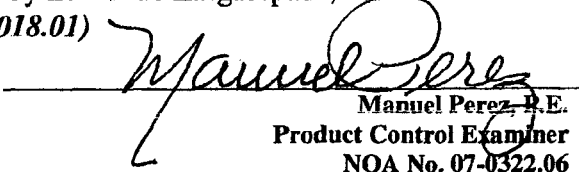
**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) 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 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an Aluminum Single Hung Window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4957**, dated 10/03/06, signed and sealed by Edmundo Largaespada, 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 an Aluminum Single Hung Window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4958**, dated 10/03/06, signed and sealed by Edmundo Largaespada, 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 an Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5063**, dated 11/21/06, signed and sealed by Edmundo Largaespada, P.E.
4. 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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4645**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-0322.06  
Expiration Date: March 23, 2011  
Approval Date: June 07, 2007

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4647**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*
6. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4648**, dated 08/10/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*
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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4649**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*
8. 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) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4650**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*
9. 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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4649**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-0322.06  
Expiration Date: March 23, 2011  
Approval Date: June 07, 2007



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

10. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4646**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*
11. 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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4723**, dated 10/05/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA #05-1018.01)*

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, complying with FBC-2004, dated 12/18/06, prepared, signed and sealed by Robert L. Clark, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

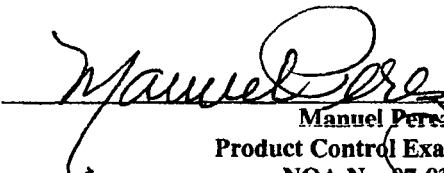
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "**DuPont Butacite® PVB**" dated 01/05/06, expiring on 12/11/10.
2. Notice of Acceptance No. **03-0827.08** issued to Solutia Inc. for their "**Solutia Interlayer**" dated 03/04/04, expiring on 03/04/09.

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated 03/16/07, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of code compliance, dated 10/12/05, signed and sealed by Robert L. Clark, P.E.

**G. OTHER**

1. Notice of Acceptance No. **05-1018.01**, issued to PGT Industries for their Series SH-700 Aluminum Single Hung Window – L.M.I., approved on 03/23/06 and expiring on 03/23/11.

  
Manuel Perea, P.E.  
Product Control Examiner  
NOA No. 07-0822.06  
Expiration Date: March 23, 2011  
Approval Date: June 07, 2007

**GENERAL NOTES: IMPACT SINGLE HUNG FLANGED AND INTEGRAL FIN WINDOWS**

**1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2)**

- A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- B. 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- E. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB.
- F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- G. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- H. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- I. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- J. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- K. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB.
- L. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- M. 13/16" LAMI IG: (1) LITE OF 1/8" ANNEALED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

**2. CONFIGURATIONS: "OX" (1/1, VIEW AND RADIUS TOP, ALL W/ LOW OR HIGH SILL OPTION)**

**3. DESIGN PRESSURES: (SEE TABLES, SHEETS 3)**

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

**4. ANCHORAGE: THE 33 1/3% STRESS INCREASE: HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE DETAILS.**

**5. SHUTTERS ARE NOT REQUIRED.**

**6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.**

**7. REFERENCES: TEST REPORTS FTL-4645, FTL-4646, FTL-4647, FTL-4648, FTL-4649, FTL-4650, FTL-4651, FTL-4723, FTL-4957, FTL-4958 AND FTL-5063. ANSII/AF&PA NDS-2001 FOR WOOD CONSTRUCTION ADM-2000 ALUMINUM DESIGN MANUAL**

**8. SERIES/MODEL DESIGNATION SH700, ALSO REFERRED TO AS SH701.**


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

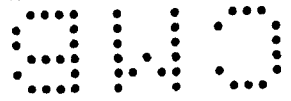
**NOA DRAWING MAP**

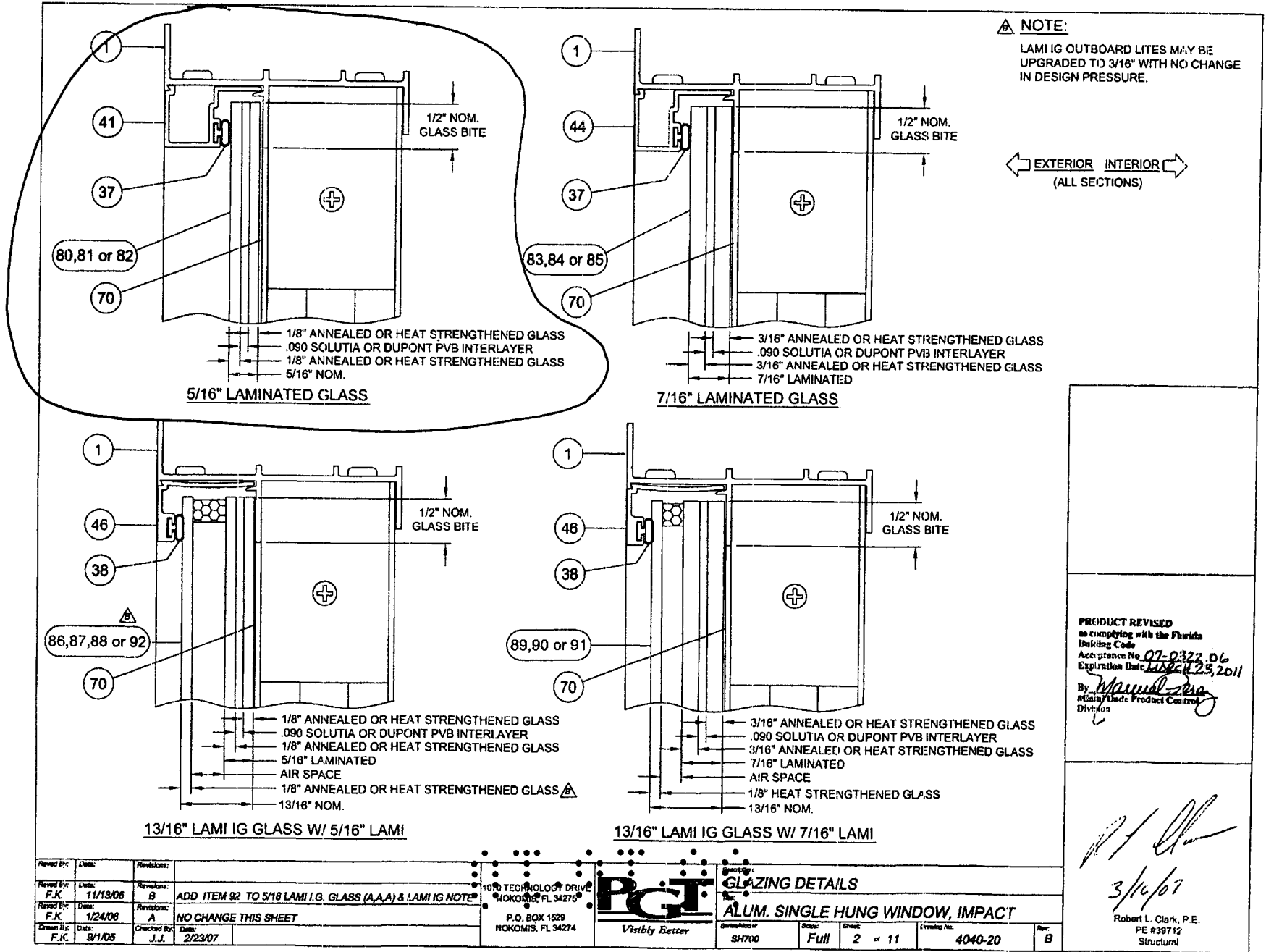
	SHEET
GENERAL NOTES.....	1
GLAZING DETAILS.....	2
DESIGN PRESSURES.....	3
ELEVATIONS.....	4
VERT. SECTIONS.....	5
HORIZ. SECTIONS.....	5
PARTS LIST.....	6
EXTRUSIONS.....	7
CORNER DETAIL.....	7
ANCHORAGE.....	8-11

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 07-0322-06  
Expiration Date March 23, 2011  
By: *[Signature]*  
Miami/Trade Products Control  
Division

*[Signature]*  
3/14/07  
Robert L. Clark, P.E.  
PE #39712  
Structural

Revised By: F.K.	Date: 11/13/08	Revisions: E1	CHANGE NOTES 3 & 7. ADD NOTE 9. ADD GLASS TYPE M TO NOTE 1. GLAZING OPTIONS	 P.O. BOX 1529 NOKOMIS, FL 34274 Visibly Better	Drawing: <b>GENERAL NOTES</b>			
Revised By: F.K.	Date: 1/24/08	Revisions: A	ADD FTL-4723 TO NOTE 7.		Title: <b>ALUM. SINGLE HUNG WINDOW, IMPACT</b>			
Drawn By: F.K.	Date: 8/1/05	Checked By: J.J.	Date: 2/23/07		Series: SH700	Scale: NTS	Sheet: 1 of 11	Drawing No. 4040-20





**NOTE:**  
 LAMI IG OUTBOARD LITES MAY BE  
 UPGRADED TO 3/16\"/>

← EXTERIOR INTERIOR →  
 (ALL SECTIONS)

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0327-06  
 Expiration Date: 12/23/2011  
 By: *Manuel...*  
 Main/Code Product Control  
 Division

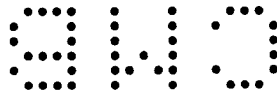
*[Signature]*  
 3/16/07  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revised By: F.K.	Date: 11/13/06	Revisions: B	ADD ITEM Q2 TO 5/16 LAMI I.G. GLASS (A,A,A) & LAMI IG NOTE
Revised By: F.K.	Date: 1/24/08	Revisions: A	NO CHANGE THIS SHEET
Checked By: J.J.	Date: 2/23/07		

1070 TECHNOLOGY DRIVE  
 JOKO, FL 34275  
 P.O. BOX 1628  
 NOKOMIS, FL 34274

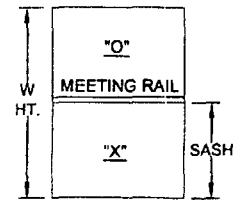


<b>GLAZING DETAILS</b>			
<b>ALUM. SINGLE HUNG WINDOW, IMPACT</b>			
Series/Model: SH700	Style: Full	Glazing: 2 of 11	Drawing No.: 4040-20
			Rev: B



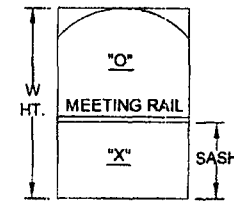
**1/1 FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION** TABLE 1.  
**BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS**

WIDTH	GLASS TYPE	WINDOW HEIGHT													
		63"		66"		68"		70"		72"		74"		76"	
48"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
50"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.0	-79.0
52"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+78.8	-78.8	+77.3	-77.3	+75.9	-75.9
53 1/8"	A,B,M	+80.0	-80.0	+80.0	-80.0	+79.6	-79.6	+78.2	-78.2	+76.9	-76.9	+75.4	-75.4	+74.0	-74.0
UP TO 53 1/8"	C,D,E,F,G,H,I,J,K,L	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0



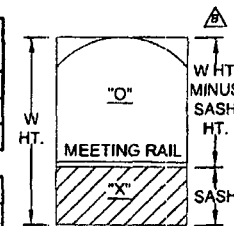
**STANDARD VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION** TABLE 2.  
**BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS**

WIDTH	GLASS TYPE	WINDOW HEIGHT													
		38 3/8"		44"		50 5/8"		63"		72"		74"		76"	
48"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
50"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.9	-79.9	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
52"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+76.9	-76.9	+70.0	-70.0	+68.8	-68.8	+67.6	-67.6
53 1/8"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+75.0	-75.0	+68.0	-68.0	+66.7	-66.7	+65.5	-65.5
UP TO 53 1/8"	C,D,E,F,G,H,I,J,K,L	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0



**CUSTOM VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION** TABLE 3.  
**BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS**

WIDTH	GLASS TYPE	WINDOW HEIGHT MINUS SASH HEIGHT (MAX. WINDOW HT. W/ SASH = 76" FLANGED AND 75" INTEGRAL FIN)													
		17 1/8"	22 11/16"	28 3/16"	33 3/4"	39 5/16"	44 13/16"	50 3/8"	55 15/16"						
53 1/8"	D,E,F,J,K,L	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0



**GLASS TYPES:** TEST REPORTS TABLE 4.

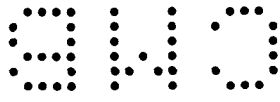
A. 5/16" LAMI - (1/8"A., 090, 1/8"HS)	FTL-4647, 4648, 4723, 4957
B. 5/16" LAMI - (1/8"A., 090, 1/8"HS)	FTL-4647, 4648
C. 5/16" LAMI - (1/8"HS., 090, 1/8"HS)	FTL-4647, 4648
D. 7/16" LAMI - (3/16"A., 090, 3/16"HS)	FTL-4645, 4885
E. 7/16" LAMI - (3/16"A., 090, 3/16"HS)	FTL-4645
F. 7/16" LAMI - (3/16"HS., 090, 3/16"HS)	FTL-4645
G. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 5/16" LAMI - (1/8"A., 090, 1/8"HS)	FTL-4646, 4723
H. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 5/16" LAMI - (1/8"A., 090, 1/8"HS)	FTL-4646
I. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 5/16" LAMI - (1/8"HS., 090, 1/8"HS)	FTL-4646
J. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 7/16" LAMI - (3/16"A., 090, 3/16"HS)	FTL-4649, 4850
K. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 7/16" LAMI - (3/16"A., 090, 3/16"HS)	FTL-4649, 4850, 4956
L. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 7/16" LAMI - (3/16"HS., 090, 3/16"HS)	FTL-4649, 4850
M. 13/16" LAMI IG - 1/8"A, AIR SPACE, 5/16" LAMI - (1/8"A., 090, 1/8"HS)	FTL-5063

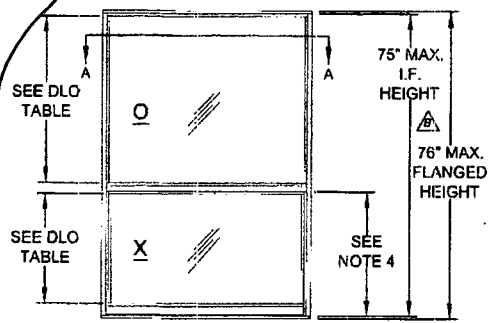
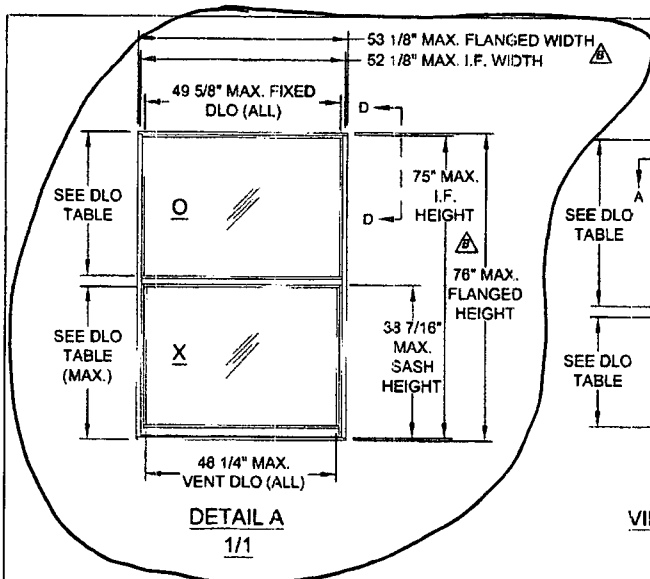
**NOTES:** 1. WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A POSITIVE DESIGN PRESSURE OF +64.0 PSF OR LOWER AS SHOWN IN THE TABLES. NEGATIVE DESIGN PRESSURES ARE UNEFFECTED.  
 2. FOR INTEGRAL FIN WINDOW DESIGN PRESSURES USE THE ABOVE TABLES BY DEDUCTING 1" FROM THE FLANGED TIP-TO-TIP FRAME DIMENSIONS.  
 3. AVAILABLE SASH HEIGHTS FOR CUSTOM WINDOWS ARE 12 5/8" MINIMUM TO 38" MAXIMUM.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0322, 06  
 Expiration Date 12/31/23, 2011  
 By: [Signature]  
 Miami-Dade Product Control  
 Division

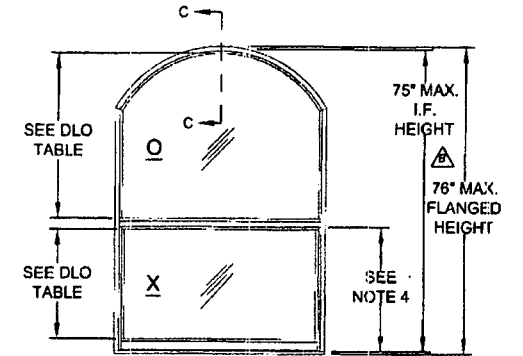
[Signature]  
 3/16/07  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revised By: F.K.	Date: 11/13/08	Revisions: B	UPDATE TO ASTM E 1300-02 REMOVE STD VIEW SASH HT REF. TABLE 2 REVISED CUSTOM FORMAT DPS. ADD INT. FIN. UPDATE TEST NOS	1690 TECHNOLOGY DRIVE NOKOMIS, FL 34279	<b>PGT</b> Visibly Better	Design Pressures	SH700	NTS	3 of 11	4040-20	B
Revised By: F.K.	Date: 1/24/06	Revisions: A	ADD FTL-4723 TO GLASS TYPES A AND G.			ALUM. SINGLE HUNG WINDOW, IMPACT					
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07								

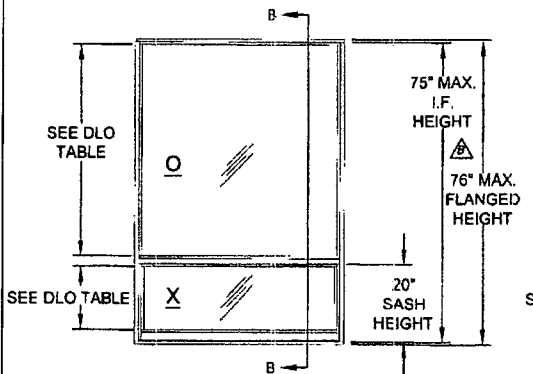




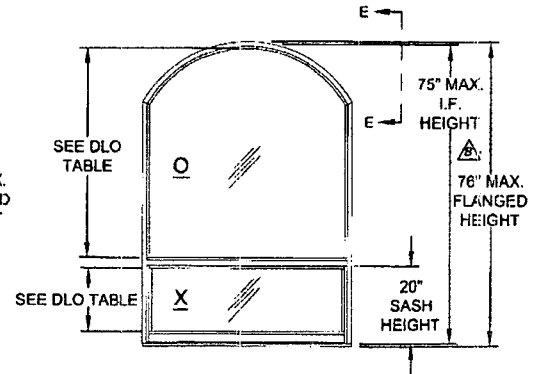
DETAIL B  
VIEW (STANDARD SASH)



DETAIL C  
RADIUS TOP (STANDARD SASH)



DETAIL D  
VIEW (CUSTOM SASH)



DETAIL E  
RADIUS TOP (CUSTOM SASH)

VERTICAL DAYLIGHT OPENING		
FIXED LITE		
DETAIL	LOW SILL	HIGH SILL
A	34 1/2"	34 3/16"
B	41 5/8"	41 1/4"
C	41 1/4"	40 7/8"
D	52 5/8"	52 11/16"
E	52 1/4"	52 5/16"
SASH		
DETAIL	LOW SILL	HIGH SILL
A	34 1/2"	34 3/16"
B	27 7/16"	27 1/8"
C	27 7/16"	27 1/8"
D	16 3/8"	15 3/4"
E	16 3/8"	15 3/4"

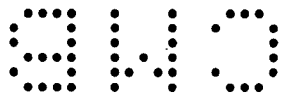
TABLE 5.

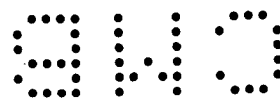
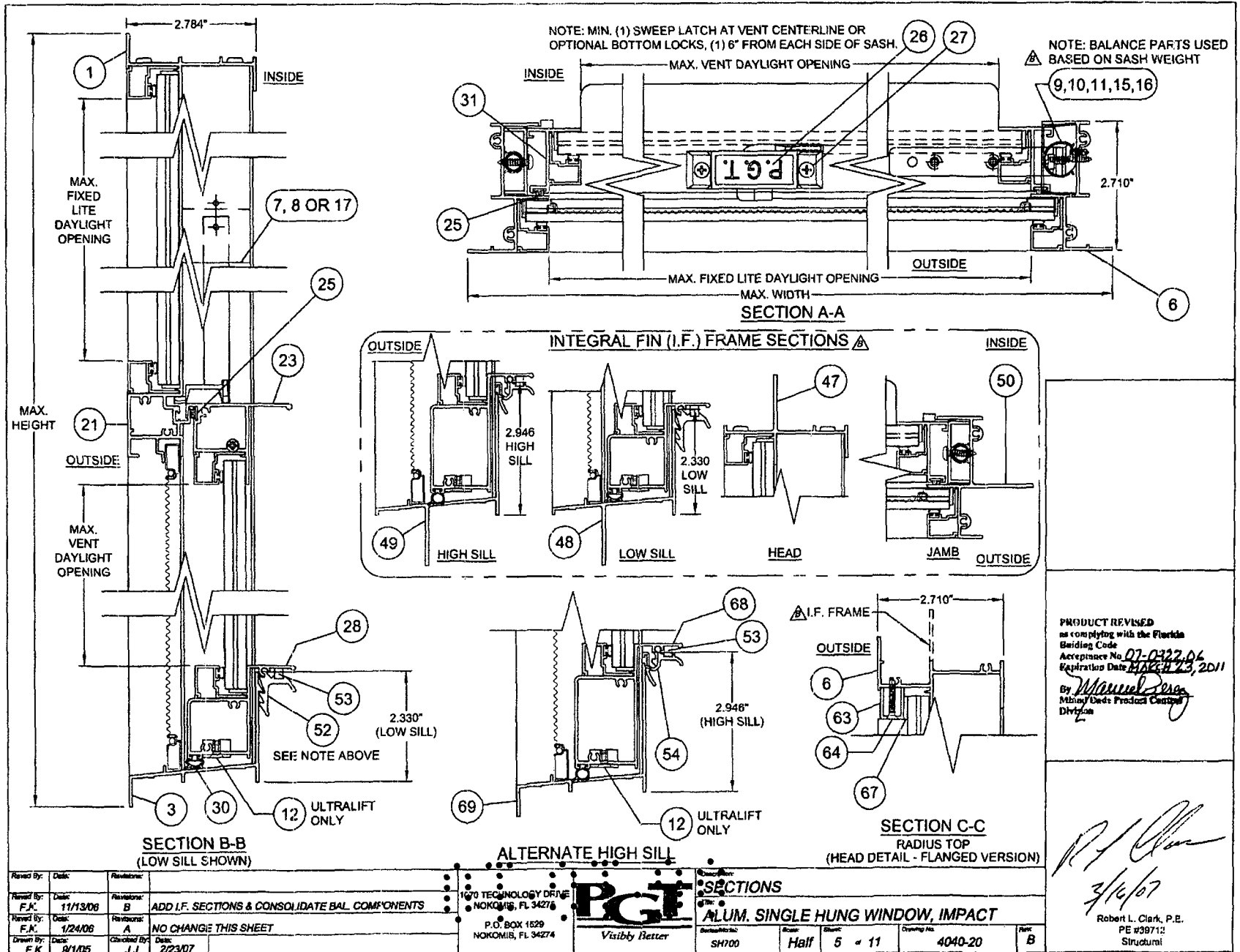
- NOTES:
- SEE SHEET 5 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.
  - SEE SHEET 7 FOR CORNER DETAIL VIEWS.
  - SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE INFORMATION.
  - SASH HEIGHTS FOR STANDARD SASH WINDOWS (DETAILS B & C) ARE BASED ON A THREE OVER TWO FORMAT.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0322.06  
Expiration Date 02/23, 2011  
By *Manuel...*  
Miami Dade Product Control  
Division

*R.P. Clark*  
3/16/07  
Robert L. Clark, P.E.  
PE #39712  
Structural

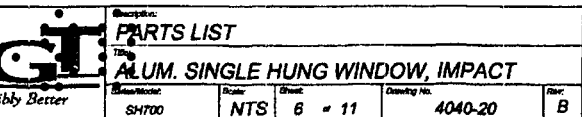
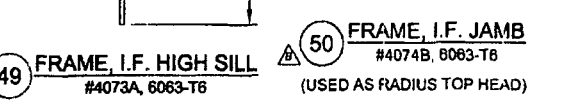
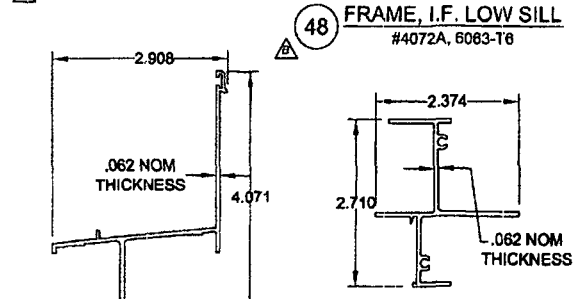
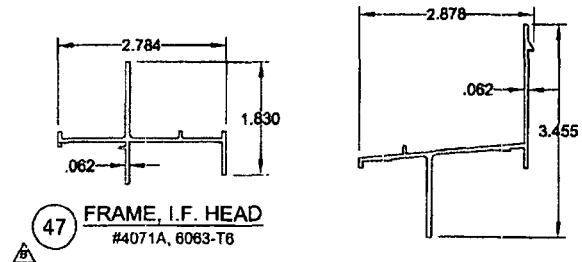
Revised By: F.K.	Date: 11/13/08	Revisions: B	ADD INTEGRAL FIN (I.F.) VERSION, CHG. NOTE 3. ADD NOTE 4.	4070 TECHNOLOGY DRIVE NOKOMIS, FL 34275				Scale: NTS Sheet: 4 of 11 Drawing No.: 4040-20 Rev: B
Revised By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET	P.O. BOX 1628 NOKOMIS, FL 34274				Scale: NTS Sheet: 4 of 11 Drawing No.: 4040-20 Rev: B
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07					Scale: NTS Sheet: 4 of 11 Drawing No.: 4040-20 Rev: B





ITEM	DWG.#	DESCRIPTION	PQT#
1	4002A	FLANGE FRAME HEAD	612225
2	1155	#8 X 1.000 QUAD PN. SMS	781PQA
3	4003C	FLANGE FRAME SILL (LOW SILL)	612226
5	1626	ADHESIVE OPEN CELL FOAM PAD	7PAD1626
6	4004	FLANGE FRAME JAMB	612227
7	4025	SASH STOP	612244
8	4025	SASH STOP (EGRESS) 1.125 LONG	612244
9	4029	SPIRAL BALANCE, 3/8", 5/8", OR 11/16"	
10	1080	BALANCE COVER, 3/8" OR 5/8"	6BALCVR616
11		#8 X .750 PH. PN. SMS	7834AA
12		BALANCE BOTTOM BRACKET	7BALTBKT
13	1085/1086	SASH TOP GUIDE	42504
15		#8 X 1 PHILLIPS FLAT HEAD S. STL	78X1FPAX
16	1080-1	BALANCE COVER, 11/16"	6BALCVR670
17	4053	SASH STOP COVER	64053
18	4029-1	SASH BRACKET	7ULBRKT
19		#8-32 X 1/2" LG. PH. FH. TYPE F S. STL	7832X12FFPX
21	4054C	FIXED MEETING RAIL	64054C
23	4006C	SASH TOP RAIL	64006
25	1235	WSTP., 170 X .270 BACK, FIN SEAL	67S16G
26	1096	SWEEP LATCH	71096
27	1016	#8 X .625 PH. FL. SMS	7858
28	4007	SASH BOTTOM RAIL (LOW SILL)	612230
30	1226	WSTP., BULB VINYL	6TP249
31	4008	SASH SIDE RAIL	612231
34	1288	SASH FACE GUIDE	42501
35	1622	LAMI SETTING BLOCK 3/32" X 25/64" X 1"	71622K
36	1052	LAMI IG SETTING BLOCK 1" X 3/4" X 1/16"	71052K
37	1224	VINYL GLAZ. BEAD BULB (THICK)	6TP247WK
38	1225	VINYL GLAZ. BEAD BULB (THIN)	6TP248K
41	4039B	GLAZING BEAD, 5/16 LAM. GLASS.	64039B
42	4044B	GLAZING BEAD, 5/16 LAMI W/GRILL KIT	644703
44	4222A	GLAZING BEAD, 7/16" LAMI	64222
45	985C	GLAZING BEAD, 7/16" LAMI W/GRILL KIT	6985
46	4067	GLAZING BEAD, 13/16" LAMI I.G.	64067
47	4071A	FRAME, I.F. HEAD	64071
48	4072A	FRAME, I.F. LOW SILL	64072
49	4073A	FRAME, I.F. HIGH SILL	64073
50	4074B	FRAME, I.F. JAMB	64074
52	4009	SILL LATCH (EGRESS) (LOW SILL)	764009
53	1088	SPRING, SILL LATCH (EGRESS)	7SPRNG
54	2740	SILL LATCH (EGRESS) (HIGH SILL)	62740
55	1014	SCREEN FRAME (HOR. & VER.)	61014
56	1630	SCREEN CORNER KEY WRINGS	71630
57	1631	SCREEN CORNER KEY W/OUT RINGS	71631
58	1073	SCREEN SPRING	7CASP
59	1624	SCREEN SPLINE - .135 DIA. FOAM	61624K

ITEM	DWG.#	DESCRIPTION	PQT#
60	1635	SCREEN SPLINE - .135 DIA. HARD	61635K
61		SCREEN CLOTH	61816
63	505	GLAZING CHANNEL (.688 X .500)	6533402
64	1161	#6 X 1.000 PH. BUGLE TEK	708X1
67		GLAZING TAPE, 1/16 X 1/2 - 7/16 LAMI	62BV1510
68	4051A	SASH BOTTOM RAIL (HIGH SILL)	64051
69	4050A	FLANGE FRAME SILL (HIGH SILL)	64050
70		SILICONE, DOW 899, 995 OR EQUIV.	
80		A. GLASS, 5/16" LAMI, (1/8"A, .090 PVB, 1/8"A)	
81		B. GLASS, 5/16" LAMI, (1/8"A, .090 PVB, 1/8"HS)	
82		C. GLASS, 5/16" LAMI, (1/8"HS, .090 PVB, 1/8"HS)	
83		D. GLASS, 7/16" LAMI, (1/8"A, .090 PVB, 1/8"A)	
84		E. GLASS, 7/16" LAMI, (1/8"A, .090 PVB, 1/8"HS)	
85		F. GLASS, 7/16" LAMI, (1/8"HS, .090 PVB, 1/8"HS)	
86		G. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 5/16" LAMI, (1/8"A, .090 PVB, 1/8"A)	
87		H. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 5/16" LAMI, (1/8"A, .090 PVB, 1/8"HS)	
88		I. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 5/16" LAMI, (1/8"HS, .090 PVB, 1/8"HS)	
89		J. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 7/16" LAMI, (3/16"A, .090 PVB, 3/16"A)	
90		K. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 7/16" LAMI, (3/16"A, .090 PVB, 3/16"HS)	
91		L. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 7/16" LAMI, (3/16"HS, .090 PVB, 3/16"HS)	
92		M. GLASS, 13/16" LAMI IG; 1/8"A, AIR SPACE, 5/16" LAMI, (1/8"A, .090 PVB, 1/8"A)	



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0322.06  
 Expiration Date: MARCH 23, 2011  
 By: *[Signature]*  
 Minerva Design Product Control  
 Division

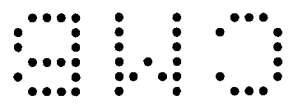
*[Signature]*  
 3/14/07  
 Robert L. Clark, P.E.  
 PE #3971.2  
 Structural

Revised By: F.J.C.	Date: 11/13/06	Revisions: B	ADD I.F. FRAME ITEMS 47, 48, 49 AND 50. UPGRADE ITEM 27 ADD ITEM 62. CHG. DESCRIPTION ITEMS 7, 9 & 13
Revised By: F.J.C.	Date: 1/24/08	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

070 TECHNOLOGY GROUP  
 NOKOMIS, FL 34276  
 P.O. BOX 1520  
 NOKOMIS, FL 34274

**PGI**  
 Visibly Better

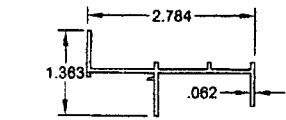
**PARTS LIST**  
 Title: ALUM. SINGLE HUNG WINDOW, IMPACT  
 Part No: SH700  
 Scale: NTS  
 Sheet: 6 of 11  
 Drawing No: 4040-20  
 Rev: B



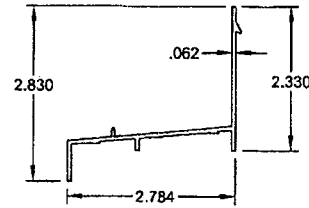
810

01.01.00

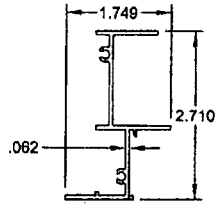




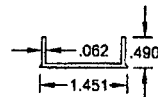
1 FLANGE FRAME HEAD  
#4002A, 6063-T6



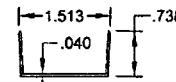
3 FLANGE FRAME SILL (LOW)  
#4003C, 6063-T6



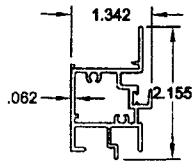
6 FLANGE FRAME JAMB  
#4004, 6063-T5  
(USED AS RADIUS TOP HEAD)



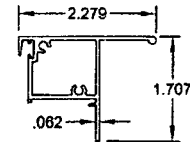
7 SASH STOP  
#4025, 6063-T5



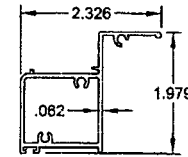
17 SASH STOP COVER  
#4053, 6063-T5



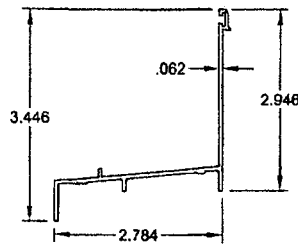
21 FIXED MEETING RAIL  
#4054A, 6063HD-T6



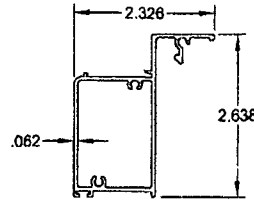
23 SASH TOP RAIL  
#4006C, 6063HS-T6



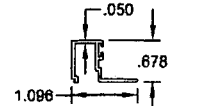
28 SASH BOTTOM RAIL (LOW)  
#4007, 6063-T5



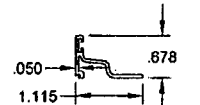
69 FLANGE FRAME SILL (HIGH)  
#4050A, 6063-T6



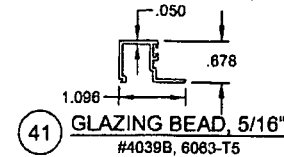
68 SASH BOTTOM RAIL (HIGH)  
#4051A, 6063-T5



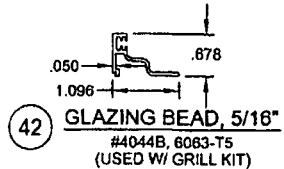
44 GLAZING BEAD 7/16"  
#4222, 6063-T5



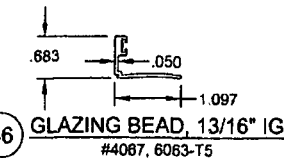
45 GLAZING BEAD, 7/16"  
#985C, 6063-T5  
(USED W/ GRILL KIT)



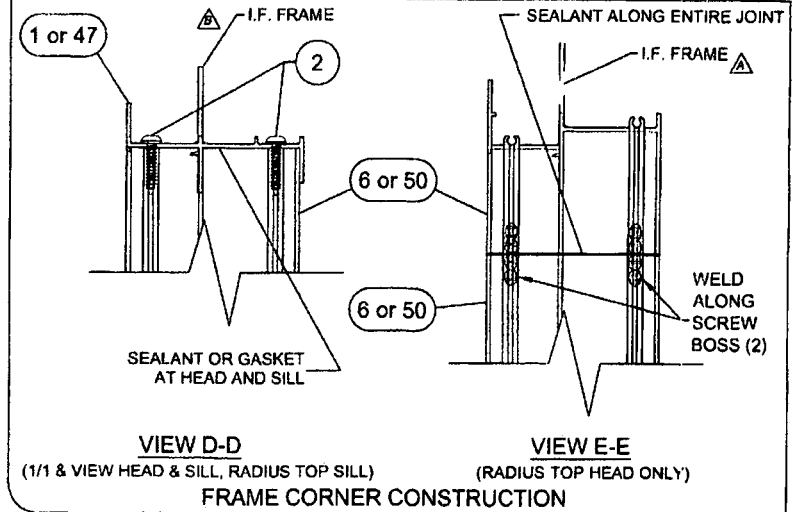
41 GLAZING BEAD, 5/16"  
#4039B, 6063-T5



42 GLAZING BEAD, 5/16"  
#4044B, 6063-T5  
(USED W/ GRILL KIT)



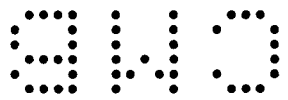
46 GLAZING BEAD, 13/16" IG  
#4067, 6063-T5



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0327-06  
Expiration Date 10/23/2011  
By: *[Signature]*  
Product Control  
Division

*[Signature]*  
3/16/07  
Robert L. Clark, P.E.  
PE #38712  
Structural

Revised By: F.K.	Date: 1/13/08	Revision: B	UPDATE FRAME CORNER ASSEMBLY TO INCLUDE I.F. AND UPGRADE ITEM 21 ALLOY.	070 TECHNOLOGY DRIVE NOKOMIS, FL 34276	<b>EXTRUSIONS &amp; FRAME CORNER DETAIL</b> <b>ALUM. SINGLE HUNG WINDOW, IMPACT</b> Visibly Better	Order/Model: SH700	Scale: Half	Sheet: 7 - 11	Drawing No. 4040-20	Rev. B
Revised By: F.K.	Date: 1/24/08	Revision: A	NO CHANGE THIS SHEET	P.O. BOX 1529 NOKOMIS, FL 34274						
Drawn By: F.K.	Date: 8/1/05	Checked By: J.J.	Date: 2/23/07							



ANCHOR QUANTITIES FOR 1/1 FLANGED WINDOWS												TABLE 5.						
SUBSTRATE:		WINDOW HEIGHT																
ANCHOR TYPE:		28.603		34.603		40.603		46.603		52.603		58.603		64.603		76.000		
WINDOW WIDTH	GLASS TYPE	WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC	
19.125	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	(A,B,M)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24.000	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	(A,B,M)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32.000	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	(A,B,M)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37.000	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	(A,B,M)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40.000	PSF	79																
	C,D,E,F,G, H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
44.000	PSF	79																
	C,D,E,F,G, H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48.000	PSF	79	79															
	C,D,E,F,G, H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
53.125	PSF	72	79	79														
	C,D,E,F,G, H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

- ANCHORAGE NOTES:**
- ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS, 2 - 1/4" ELCO SS4 CRETE-FLEX, 3 - #12 SCREWS
  - ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS:  
HEAD - 18 1/2" MAX. FROM TOP CORNERS  
JAMBS - 17 1/2" MAX. FROM TOP CORNERS  
15" MAX. FROM BOTTOM CORNERS  
6" MAX. BELOW MTG. RAIL  
SILL - ANCHORS NOT REQUIRED
  - INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.
  - TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
  - DESIGN PRESSURE LIMITATIONS:  
SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

**TABLE KEY:**

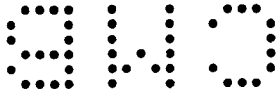
MAX. PSF	
(DP LIMITED) HEAD	118
JAMB ABOVE	2
MTG. RAIL	2
JAMB BELOW	3
MTG. RAIL	3
(FULL DP)	
HEAD	2
JAMB ABOVE	2
MTG. RAIL	3
JAMB BELOW	3
MTG. RAIL	3

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 07-0322-06  
 Expiration Date March 23, 2011  
 By: *Warren*  
 Material Used: Product Custom  
 Etc.

*Robert L. Clark, P.E.*  
 PE #39712  
 Structural

Revised By: F.K. Date: 11/13/08  
 Checked By: J.J. Date: 2/23/07  
 REVISION: B REVISE ANCHORAGE TABLE AND NOTES. ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.  
 REVISION: A NO CHANGE THIS SHEET

ANCHORAGE SPACING, 1/1 WINDOWS  
 ALUM. SINGLE HUNG WINDOW, IMPACT  
 PGT  
 VISIBLY BETTER  
 SH700 NTS 8 - 11 4040-20 B



**ANCHOR QUANTITIES FOR STANDARD VIEW AND RADIUS TOP FLANGED WINDOWS** TABLE 6.

SUBSTRATE:	ANCHOR TYPE:	WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT																							
				29.655			37.155			44.655			52.155			59.655			67.155			74.655			76.000		
				WOOD	CONC	1 CONC	WOOD	CONC	1 CONC	WOOD	CONC	1 CONC	WOOD	CONC	1 CONC	WOOD	CONC	1 CONC	WOOD	CONC	1 CONC	WOOD	CONC	1 CONC	WOOD	CONC	1 CONC
19.125	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	A,B,M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
24.000	PSF	79																									
	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
32.000	PSF	68	77																								
	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
37.000	PSF	59	67	79																							
	C,D,E,F,G, H,I,J,K,L	1	1	1	2	1	1	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2		
40.000	PSF	54	79	62	79																						
	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
44.000	PSF	49	79	56	79	79																					
	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
48.000	PSF	45	74	51	74	79	79																				
	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
53.125	PSF	41	67	46	67	76	79																				
	C,D,E,F,G, H,I,J,K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

- ANCHORAGE NOTES:**
- ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS  
2 - 1/4" ELCO SS4 CRETE-FLEX  
3 - #12 SCREWS
  - ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS:  
HEAD - 18 1/2" MAX. FROM TOP CORNERS  
JAMBS - 17 1/2" MAX. FROM TOP CORNERS  
15" MAX. FROM BOTTOM CORNERS  
6" MAX. BELOW MTG. RAIL  
SILL - ANCHORS NOT REQUIRED
  - INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.
  - TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
  - DESIGN PRESSURE LIMITATIONS:  
SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

**TABLE KEY:**

MAX. PSF	
(DP LIMITED) HEAD	117
JAMB ABOVE	3
MTG. RAIL	3
JAMB BELOW	
MTG. RAIL	
(FULL DP) HEAD	2
JAMB ABOVE	2
MTG. RAIL	2
JAMB BELOW	
MTG. RAIL	

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0372-06  
Expiration Date 12/31/2011

By: *Manuel Arce*  
Naras/Leitz Product Control  
12/2/11

*Robert L. Clark*  
3/14/07  
Robert L. Clark, P.E.  
PE #39712  
Structural

Revised By: F.K. Date: 11/13/08  
Revised By: F.K. Date: 1/24/08  
Checked By: J.J. Date: 2/23/07

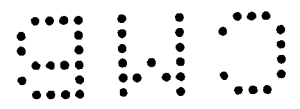
Revisions:  
B REVISE ANCHORAGE TABLE AND NOTES.  
ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.  
A NO CHANGE THIS SHEET

1970 TECHNOLOGY DRIVE  
NOKOMIS, FL 33425  
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGI**  
Visibly Better

ANCHORAGE SPACING, STANDARD VIEW  
ALUM. SINGLE HUNG WINDOW, IMPACT

Scale: SH700  
Block: NTS  
Sheet: 9 of 11  
Drawing No: 4040-20  
Rev: B



ANCHOR QUANTITIES ABOVE MEETING RAIL (HEAD & JAMBS), CUSTOM FLANGED WINDOW HEIGHT MINUS SASH HEIGHT TABLE 7.																												
		WINDOW HEIGHT MINUS SASH HEIGHT FROM TABLE 8.																										
		17.125			22.668			28.211			33.754			39.296			44.839			50.382			55.925					
ANCHOR TYPE:	GLASS TYPE	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC			
19.125	D,E,F,J, K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
24.000	D,E,F,J, K,L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
32.000	D,E,F,J, K,L	1	1	1	1	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1			
37.000	PSF	79																										
	D,E,F,J, K,L	1	1	1	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2			
40.000	PSF	79			79			79			79			79			79			79			79			79		
	D,E,F,J, K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
44.000	PSF	79			76			79			77			79			79			79			79			79		
	D,E,F,J, K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
48.000	PSF	78		79		70		79		79		71		79		73		76		76		76		76		76		
	D,E,F,J, K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
53.125	PSF	71		79		63		71		79		64		74		66		77		69		69		69		69		
	D,E,F,J, K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			

ANCHOR QUANTITIES AT JAMBS BELOW MEETING RAIL, CUSTOM FLANGED WINDOWS BASED ON SASH HT. TABLE 8.																												
		SASH HEIGHT																										
		12.776			15.776			18.776			21.776			24.776			27.776			30.776			31.106					
ANCHOR TYPE:	GLASS TYPE	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC			
19.125		1	1	1	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
24.000		2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
32.000		2	1	2	2	2	2	2	3	2	2	3	2	3	2	3	3	2	3	4	2	3	4	2	3			
37.000		79																										
		2	1	2	2	2	2	3	2	3	3	2	3	3	3	3	3	3	3	3	3	3	4	3	3			
40.000		74			74			74			74			74			74			74			74			74		
		2	2	2	2	2	2	3	2	3	3	2	3	3	3	3	3	3	3	4	3	3	4	3	3			
44.000		68		78		78		78		78		78		78		78		78		78		78		78		78		
		2	2	2	2	2	2	3	2	3	3	3	3	4	3	3	4	3	3	4	3	4	5	3	4			
48.000		63		72		79		79		79		79		79		79		79		79		79		79		79		
		2	2	2	2	2	2	3	2	3	4	3	3	4	3	4	4	3	4	4	3	4	5	3	4			
53.125		73		58		66		72		72		72		72		72		72		72		72		72		72		
		2	2	2	2	2	2	3	3	3	4	3	4	4	3	4	4	3	4	5	3	4	5	3	5			

**ANCHORAGE NOTES:**

- ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS  
2 - 1/4" ELCO SS4 CRETE-FLEX  
3 - #12 SCREWS
- ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS:  
HEAD - 18 1/2" MAX. FROM CORNERS  
JAMBS - 17 1/2" MAX. FROM TOP CORNERS  
11 1/2" MAX. ABOVE THE MEETING RAIL  
6" MAX. BELOW MTG. RAIL  
15" MAX. FROM BOTTOM CORNERS  
SILL - ANCHORS NOT REQUIRED
- DETERMINE THE ANHOCOR QUANTITIES FOR CUSTOM VIEW WINDOWS FROM TABLES 7, AND 8. USING THE DIMENSIONAL CRITERIA OF NOTE 2. USE TABLE 7, FOR ABOVE THE MEETING RAIL AND TABLE 8, FOR BELOW.
- AVAILABLE SASH HEIGHTS FOR CUSTOM VIEW WINDOWS ARE 12 5/8" MIN. TO 38" MAX.
- TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
- DESIGN PRESSURE LIMITATIONS:  
SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

**TABLE 7. KEY:**

MAX. PSF  
(DP LIMITED) **112**  
HEAD **2**  
JAMB ABOVE **2**  
MTG. RAIL

(FULL DP)  
HEAD **2**  
JAMB ABOVE **4**  
MTG. RAIL

**TABLE 8. KEY:**

MAX. PSF  
(DP LIMITED) **112**  
JAMB BELOW **2**  
MTG. RAIL

(FULL DP)  
JAMB BELOW **2**  
MTG. RAIL

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 07-0372-06  
Expiration Date: March 23, 2011

By: *Robert L. Clark*  
Asst. Chief Product Control  
Date: 3/16/07

Revised By: F.K. Date: 11/13/06 Revision: B  
 Revised By: F.K. Date: 1/24/08 Revision: A  
 Checked By: J.J. Date: 2/23/07

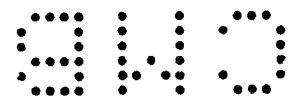
REVISIONS:  
 B REVISE ANCHORAGE TABLE AND NOTES.  
 ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.  
 A NO CHANGE THIS SHEET

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1629  
NOKOMIS, FL 34274

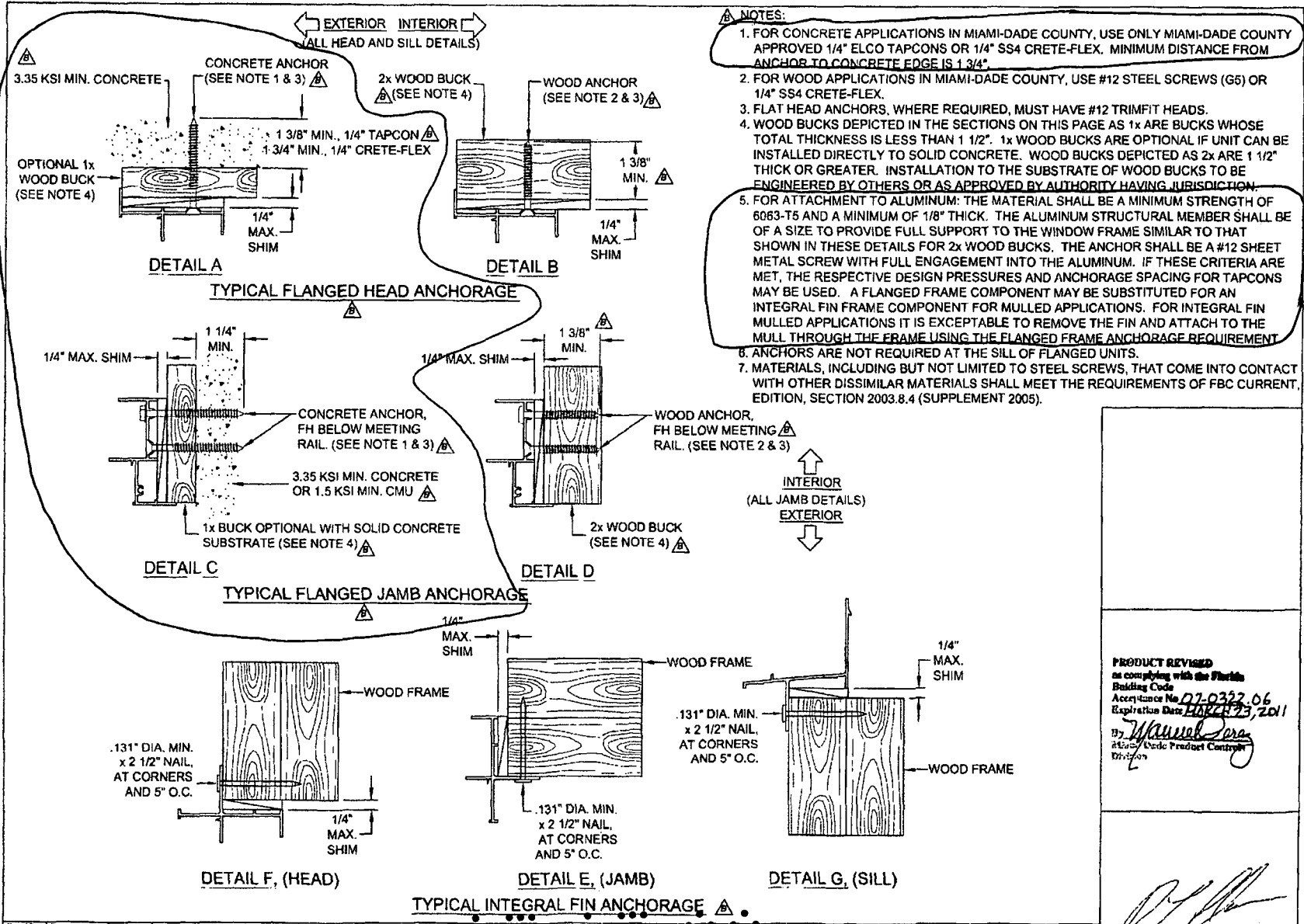
**PGI**  
Visibly Better

ANCHORAGE SPACING, CUSTOM VIEW  
ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Code: SH700 Size: NTS Sheet: 10 of 11 Drawing No.: 4040-20 Rev: B



*Robert L. Clark*  
3/16/07  
Robert L. Clark, P.E.  
PE #39712  
Structural

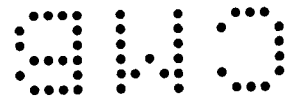


- NOTES:**
- FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS OR 1/4" SS4 CRETE-FLEX. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4".
  - FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G6) OR 1/4" SS4 CRETE-FLEX.
  - FLAT HEAD ANCHORS, WHERE REQUIRED, MUST HAVE #12 TRIMFIT HEADS.
  - WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
  - FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR TAPCONS MAY BE USED. A FLANGED FRAME COMPONENT MAY BE SUBSTITUTED FOR AN INTEGRAL FIN FRAME COMPONENT FOR MULLED APPLICATIONS. FOR INTEGRAL FIN MULLED APPLICATIONS IT IS EXCEPTABLE TO REMOVE THE FIN AND ATTACH TO THE MULL THROUGH THE FRAME USING THE FLANGED FRAME ANCHORAGE REQUIREMENT.
  - ANCHORS ARE NOT REQUIRED AT THE SILL OF FLANGED UNITS.
  - MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FBC CURRENT EDITION, SECTION 2003.8.4 (SUPPLEMENT 2005).

PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0322-06  
 Expiration Date: MARCH 23, 2011  
 By: *W. J. ...*  
 Florida Code Product Control  
 Division

*[Signature]*  
 3/16/07  
 Robert L. Clark, P.E.  
 PE #30712  
 Structural

Revised By:	Date:	Revision:	 670 TECHNOLOGY DRIVE NOKOMIS, FL 34278 P.O. BOX 1629 NOKOMIS, FL 34274 Virtibly Better	<b>ANCHORAGE DETAILS</b>			
Revised By:	Date:	Revision:		<b>ALUM. SINGLE HUNG WINDOW, IMPACT</b>			
Revised By:	Date:	Revision:		Design/Model:	Code:	Sheet:	Drawing No.:
Revised By:	Date:	Revision:		SH700	NTS	11 of 11	4040-20
Drawn By:	Date:	Checked By:		Date: 2/23/07 Rev: B			



**NOTICE OF ACCEPTANCE (NOA)**

[www.maimidade.gov/buildingcode](http://www.maimidade.gov/buildingcode)

**PGT Industries**  
1070 Technology Drive  
Nokomis, FL 34274

**SCOPE:**

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

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

**DESCRIPTION: Series C-740 Outswing Aluminum Casement Window -L.M.I**

**APPROVAL DOCUMENT:** Drawing No. 7045-8, titled "Aluminum Casement Window, Impact", sheets 1 through 13 of 13, dated 12/17/02 with revision "D" dated 06/23/05, prepared by manufacturer and sealed by Lucas A. Turner, P.E., bearing the Miami-Dade County Product Control Registrar's stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name and the following statement: "Miami-Dade County Product Control Approved", unless otherwise specified on the approval document.

**RENEWAL** of this NOA shall be considered after a renewal application has been submitted and approved. There shall be no change in the applicable building code negatively affecting the performance of the product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a change in the materials, use, and/or manufacture of the product or process. Misuse of the NOA for the 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 the NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County Product Control Approved, and followed by the expiration date may be displayed in advertising literature. If any portion of this NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA renews NOA # 05-1129.11 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



NOA No. 08-0117.11  
Expiration Date: May 22, 2013  
Approval Date: May 15, 2008  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **7045-8**, titled "Aluminum Casement Window, Impact", sheets 1 through 13 of 13, dated 12/17/02 with revision "D" dated 06/23/05, prepared by manufacturer, signed and sealed by Lucas A. Turner, P.E.

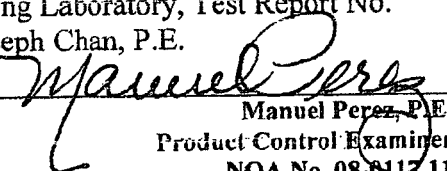
**B. TESTS**

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 two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 4608** dated 05/10/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA# 05-1129.11)*

2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 4607** dated 05/10/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA# 05-1129.11)*

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 two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3729** dated 2/28/03, signed and sealed by Joseph Chan, P.E.  
*(Submitted under NOA# 03-0611.02)*

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 two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3587** dated 10/8/02, signed and sealed by Joseph Chan, P.E.  
*(Submitted under NOA# 03-0611.02)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 08-0117.11  
Expiration Date: May 22, 2013  
Approval Date: May 15, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 one outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3582** dated 10/3/02, signed and sealed by Joseph Chan, P.E.

*(Submitted under NOA# 03-0611.02)*

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) 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 three aluminum outswing casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3580** dated 10/3/02, signed and sealed by Joseph Chan, P.E.

*(Submitted under NOA# 03-0611.02)*

**C. CALCULATIONS**

1. Revised Anchor Calculations and structural analysis, prepared by manufacturer, dated 11/21/05, signed and sealed by Lucas A. Turner, P.E. **Complies w/ASTM E 1300-98**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

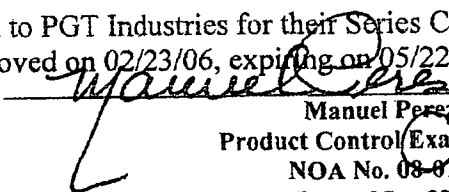
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB Interlayer**" dated 01/05/06, expiring on 12/11/10.  
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.

**F. STATEMENTS**

1. Statement letter of conformance, dated 12/19/02, signed and sealed by Robert L. Clark, P.E.  
2. Statement letter of no financial interest, dated 12/19/02, signed and sealed by Robert L. Clark, P.E.

**G. OTHER**

1. Notice of Acceptance No. **05-1129.11**, issued to PGT Industries for their Series C-740 Aluminum Casement Window – L.M.I., approved on 02/23/06, expiring on 05/22/08.

  
Manuel Perez P.E.  
Product Control Examiner  
NOA No. 08-0117.11  
Expiration Date: May 22, 2013  
Approval Date: May 15, 2008



**NOTES: LARGE MISSILE WINDOWS**

**1. GLAZING OPTIONS:**

A. 5/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.

B. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.

C. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.

D. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.

E. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" HEAT STRENGTHENED GLASS AND (1) 5/16" LAMINATED COMPONENT WITH A 3/8" AIR SPACE. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.

△ F. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) 7/16" LAMINATED COMPONENT WITH AN AIR SPACE. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.

△ G. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) 7/16" LAMINATED COMPONENT WITH AN AIR SPACE. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.

**2. CONFIGURATIONS: X, XX, XO, OX, XO<sub>X</sub> AND O**

**3. DESIGN PRESSURE RATINGS / COMPARATIVE ANALYSIS TABLES:**

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98. △
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98.
- C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
- D. FOR "X" CONFIGURATIONS SEE SHEET 5.
- E. FOR "XX" CONFIGURATIONS SEE SHEET 6.
- F. FOR  $\frac{1}{4}$ " "XOX" & "O" CONFIGURATIONS SEE SHEET 7.
- G. FOR  $\frac{1}{4}$ " "XOX" & "XO" OR "OX" CONFIGURATIONS SEE SHEET 8.
- H. FOR UNEQUAL LITE "XOX", "XO" & "OX" CONFIGURATIONS SEE SHEET 9.

△ A. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 3, 4 AND 13 FOR ADDITIONAL ANCHORAGE INFORMATION.

**HEAD & SILL:**  
 MAX. 4" FROM CORNERS  
 MAX. 4" & 7" ON EACH SIDE OF MEETING RAILS  
 MAX. 14 1/2" SPACING ON VENTS  
 MAX. 13" SPACING ON FIXED LITES  
 (2) ANCHORS 3" APART AT MID-SPAN ON FIXED LITE ONLY

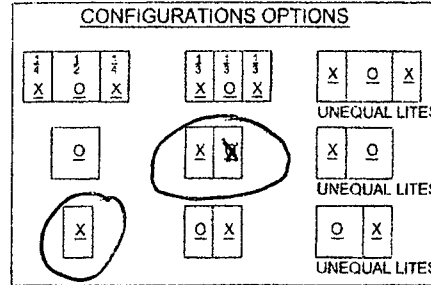
**JAMBS:**  
 MAX. 4" FROM CORNERS  
 MAX. 13" SPACING  
 (2) ANCHORS 3" APART AT MID-SPAN

△ SEE SHEET 13 FOR APPROVED ANCHORS. 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MAY BE USED IN CONCRETE OR WOOD APPLICATIONS TO ACHIEVE THE DESIGN PRESSURES SHOWN IN SHEETS 5 THROUGH 9. SEE SHEETS 5 THROUGH 9 FOR DESIGN PRESSURE LIMITATIONS WHEN ANCHORING WITH #12 SCREWS.

5. SHUTTER REQUIREMENT: NONE REQUIRED

6. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.

△ 7. REFERENCE TEST REPORTS: FTL-3580, FTL-3582, FTL-3587, FTL-3729, FTL4607 AND FTL-4608.



**NOA DRAWING TABLE OF CONTENTS SHEET**

NOTES..... 1  
 GLAZING DETAILS..... 2  
 ELEVATIONS..... 3-4  
 DESIGN PRESSURE TABLES..... 5-9  
 SECTIONS..... 10  
 CORNER CONSTRUCTION..... 11  
 EXTRUSION PROFILES..... 11-12  
 PARTS LIST..... 12  
 ANCHORAGE..... 1,3,4,13

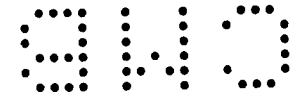
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 05-1129-11  
 Expiration Date 05/22/13  
 By: *[Signature]*  
 Miami Dade Product Control Division

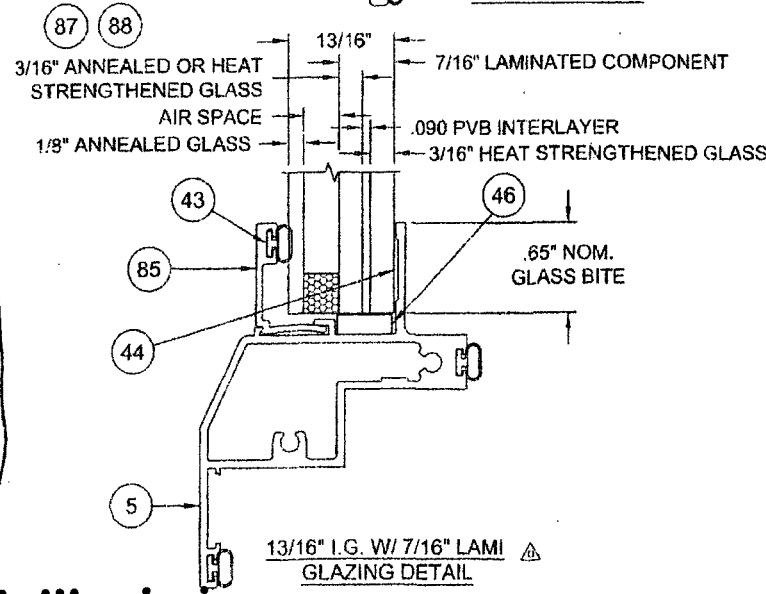
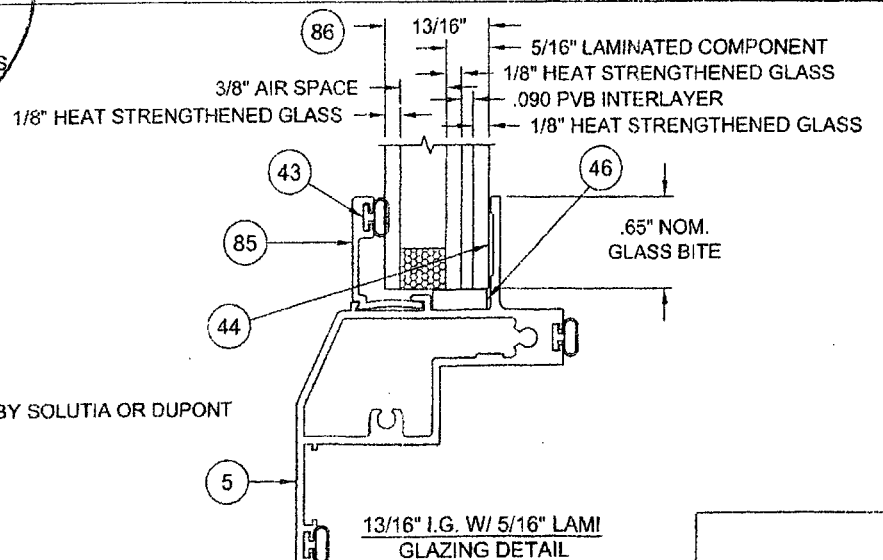
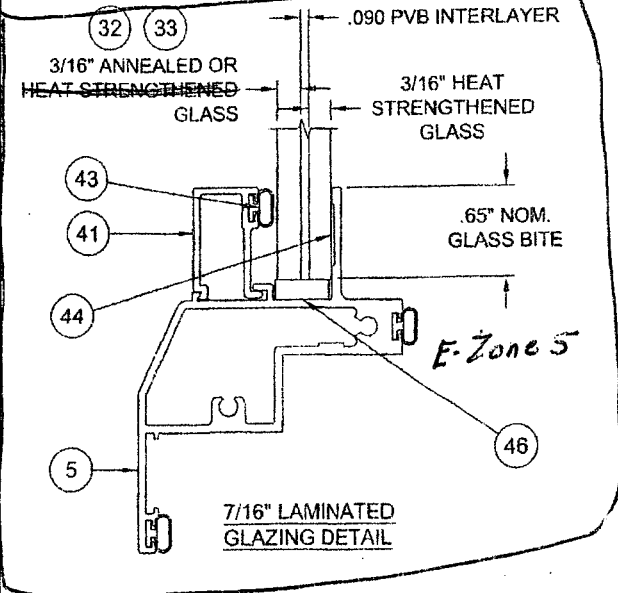
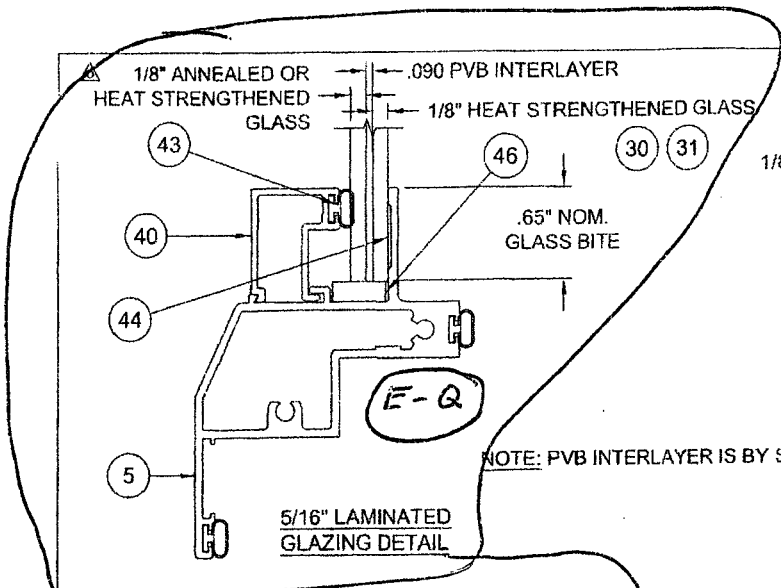
**PROJECT REQUESTED**  
 as complying with the Florida Building Code  
 Acceptance No. 08-0117-11  
 Expiration Date 08/22/2013  
 By: *[Signature]*  
 Miami Dade Product Control Division

*L. O. L.*  
*1/2/105*

<table border="1"> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revisions:</td> </tr> <tr> <td>F.K.</td> <td>3/28/03</td> <td>B</td> </tr> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revisions:</td> </tr> <tr> <td>F.K.</td> <td>7/10/03</td> <td>O</td> </tr> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revisions:</td> </tr> <tr> <td>F.K.</td> <td>6/23/05</td> <td>D</td> </tr> <tr> <td>Drawn By:</td> <td>Date:</td> <td>Checked By:</td> </tr> <tr> <td>F.K.</td> <td>12/17/02</td> <td></td> </tr> </table>	Revised By:	Date:	Revisions:	F.K.	3/28/03	B	Revised By:	Date:	Revisions:	F.K.	7/10/03	O	Revised By:	Date:	Revisions:	F.K.	6/23/05	D	Drawn By:	Date:	Checked By:	F.K.	12/17/02		ADD 13/16" I.G. & MOVE GLAZING DETAILS TO SHEET 2  NO CHANGE THIS SHEET  ADD 76" HT., GLASS TYPES F AND G. REVISE ANCHORAGE.	1070 TECHNOLOGY DRIVE NORWALK, FL 34275  P.O. BOX 1529 NORWALK, FL 34271  <b>PGT</b> Visibly Better	Description: <b>NOTES AND TABLE OF CONTENTS</b> Title: <b>ALUMINUM CASEMENT WINDOW, IMPACT</b> Sheet/Total: CA-740 / 1 of 13 Scale: NTS Drawing No: 7045-8 Rev: D
Revised By:	Date:	Revisions:																									
F.K.	3/28/03	B																									
Revised By:	Date:	Revisions:																									
F.K.	7/10/03	O																									
Revised By:	Date:	Revisions:																									
F.K.	6/23/05	D																									
Drawn By:	Date:	Checked By:																									
F.K.	12/17/02																										

Lucas A. Turner, P.E.  
 PE #58201  
 Mechanical





**PRODUCT REVIEWED**  
 in accordance with the Florida Building Code  
 Acceptance File 05-1129-11  
 Expiration Date 05-27-08  
 By *Manuel Pera*  
 Manual Date Product Control Division

08-0117-11  
 MAY 22, 2013  
 By *Manuel Pera*  
 Manual Date Product Control Division

*Z-Z*  
 1/2/05

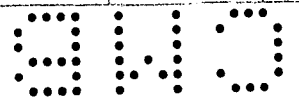
Revised By: F.K.	Date: 3/25/03	Revisions: B	REDRAW GLAZING DETAILS & ADD 13/16" I.G.
Revised By: F.K.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET
Revised By: F.K.	Date: 8/23/03	Revisions: D	ADD 13/16" LAMI I.G. WI 7/16" LAMI & CORRECT 5/16" LAMI DETAIL
Drawn By: F.K.	Date: 03/25/03	Checked By:	Date:

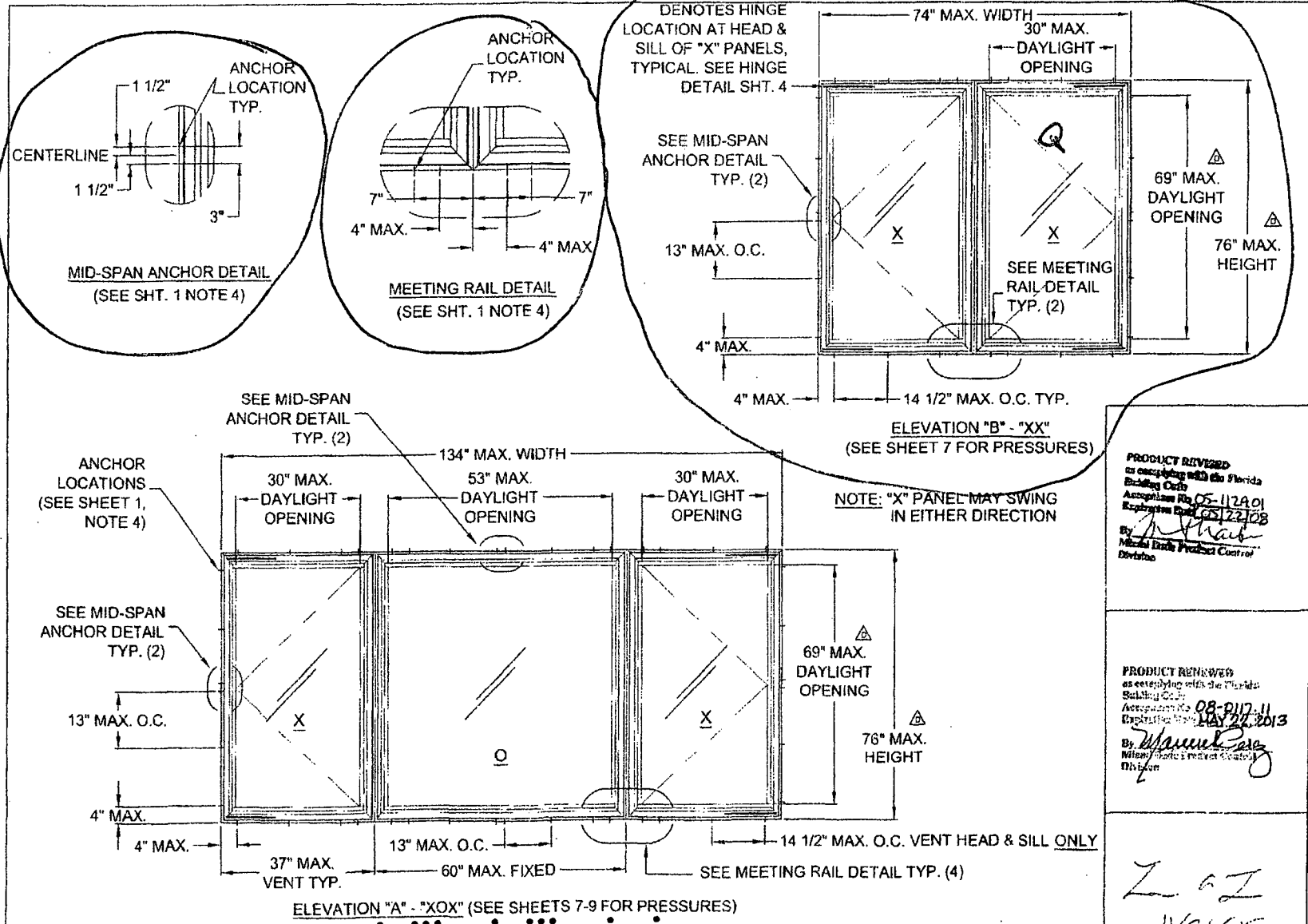
970 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274



Drawn By: F.K.	Date: 03/25/03	Checked By:	Date:
Scale: NTS	Sheet: 2 of 13	Drawing No: 7045-B	Rev: D

Lucas A. Turner, P.E.  
 PE #56201  
 Mechanical



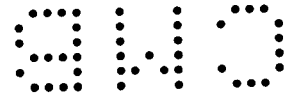


PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 05-1124-01  
 Expiration Date 05/22/08  
 By [Signature]  
 Florida Product Control  
 Division

PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-0117-11  
 Expiration Date MAY 27, 2013  
 By [Signature]  
 Florida Product Control  
 Division

L. A. I.  
11/21/05

Revised By: F.K.	Date: 3/25/03	Revised By: B	CHANGE SHEET NO. REFERENCES		1010 TECHNIQ. BLDG DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	 Visible Barrier	Description: "XX" & "XOX" ELEVATIONS	Switchgear: CA-740	Class: NTS	(Listed): 3 - 13	Division No: 7045-B	Rev: D
Revised By: F.K.	Date: 7/10/03	Revised By: C	ADD HINGE LOCATION DETAILS				Title: ALUMINUM CASEMENT WINDOW, IMPACT					
Revised By: F.K.	Date: 8/23/05	Revised By: D	CHANGE MAX. HT. TO 76" AND MAX. DLO TO 69"									
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:									

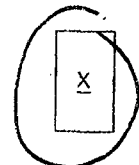


COMPARATIVE ANALYSIS TABLE 1.		"X" WINDOWS																TEST REPORTS: FTL-3582, FTL-3587, FTL-3729											
GLAZING OPTIONS:		A. 5/16" LAMI (1/8"A.,090,1/8"HS)								B. 5/16" LAMI (1/8"HS,090,1/8"HS)								E. 13/16" LAMI (1/8"HS,3/8" SPACE,5/16" LAMI-W/ 1/8"HS,090,1/8"HS)											
"X"	WIDTH	HEIGHT																											
		26		31		36		38 3/8		43		48		50 5/8		54		57		60		63		66		69		72	
		NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS
19 1/8	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
24	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-89.6	70.0	-86.3	70.0	-84.2	70.0	-83.2	70.0	-81.7	70.0		
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
26 1/2	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-83.6	70.0	-79.9	70.0	-75.4	70.0	-72.4	70.0	-69.9	69.9	-67.8	67.8	-66.2	66.2	-65.0	65.0	-63.7	63.7
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
30	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-87.4	70.0	-77.6	70.0	-68.4	68.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4	-51.3	51.3	-49.8	49.8	-48.3	48.3
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
32	A	-90.0	70.0	-90.0	70.0	-86.3	70.0	-81.0	70.0	-71.1	70.0	-61.8	61.8	-58.9	58.9	-56.1	56.1	-53.8	53.8	-50.4	50.4	-47.7	47.7	-45.6	45.6	-43.9	43.9	-42.2	42.2
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
34	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-65.5	65.5	-57.5	57.5	-54.9	54.9	-51.8	51.8	-48.6	48.6	-45.2	45.2	-42.4	42.4						
	B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
36	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7						
	B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
37	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6						
	B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0

TABLE 2.		"X" WINDOWS																TEST REPORTS: FTL-3580, FTL-3587											
GLAZING OPTION:		C. 7/16" LAMI (3/16"A.,090,3/16"HS)																											
ALL "X" SIZES UP TO 37" WIDE x 63" HIGH AND ALL "X" SIZES UP TO 32" WIDE x 72" HIGH		-90.0 70.0																											

TABLE 2A.		"X" WINDOWS																TEST REPORTS: FTL-4607, FTL-4608											
GLAZING OPTIONS:		C. 7/16" LAMI (3/16"A.,090,3/16"HS)								F. 13/16" LAMI (1/8"A,AIR SPACE,7/16" LAMI-W/ 3/16"A.,090,3/16"HS)																			
ALL "X" SIZES UP TO 37" WIDE x 76" HIGH		-55.0 55.0																											

- NOTES:  $\Delta$
- FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
  - IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.



PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1129-11  
 Expiration Date MAY 27, 2013  
 By *M. Shah*  
 Mechanical Product Control  
 Division

Zone 4

Zone 5

Zone 6

11/2/05

Revised By: F.K.	Date: 3/28/03	Revision: B	ADD GLASS TYPE E TO TABLES 1 & 4	 P.O. BOX 1520 NOKOMIS, FL 34274 Visibly Better	Description: PRESSURES- X CONFIG. WINDOWS	Scale: CA-740	Sheet: NTS	Drawn: 5	Checked: 13	Project No: 7045-8	Rev: D	
Revised By: F.K.	Date: 7/10/03	Revision: C	NO CHANGE THIS SHEET		Description: ALUMINUM CASEMENT WINDOW, IMPACT							
Revised By: F.K.	Date: 6/23/05	Revision: D	REVISE ANCHORS & ADD 76" HEIGHT OPTION									
Drawn By: F.K.	Date: 12/17/02	Checked by:	Date:									

Lucas A. Turner, P.E.  
 PE #58201  
 Mechanical

COMPARATIVE ANALYSIS TABLE 3.			"XX" WINDOWS																TEST REPORTS: FTL-3582						
			GLAZING OPTION: A. 5/16" LAMI (1/8"A, .090, 1/8"HS)																						
"XX"	WIDTH	HEIGHT																							
		26		31		36		38 3/8		43		48		50 5/8		54		57		60		63			
		NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS		
37	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0		
43	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0		
48	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0		
53 1/8	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-72.1	70.0	-69.5	69.5	-67.5	67.5		
57	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-74.4	70.0	-69.6	69.6	-65.2	65.2	-63.0	63.0	-60.8	60.8	-58.0	58.0		
60	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-68.4	68.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4		
64	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.1	70.0	-61.8	61.8	-58.9	58.9	-56.1	56.1	-53.8	53.8	-50.4	50.4	-47.7	47.7		
68	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-65.5	65.5	-57.5	57.5	-54.9	54.9	-51.8	51.8	-48.6	48.6	-45.2	45.2	-42.4	42.4		
72	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7		
74	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6		

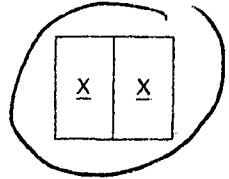


TABLE 4.			"XX" WINDOWS																TEST REPORTS: FTL-3582, FTL-3729				
			GLAZING OPTIONS: B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)																				
ALL "XX" SIZES UP TO 74" WIDE x 63" HIGH																						-75.0	70.0

TABLE 5.			"XX" WINDOWS																TEST REPORT: FTL-3580				
			GLAZING OPTION: C. 7/16" LAMI (3/16"A, .090, 3/16"HS)																				
ALL "XX" SIZES UP TO 74" WIDE x 63" HIGH																						-90.0	70.0

TABLE 5A.			"XX" WINDOWS																TEST REPORTS: FTL-3580, FTL-4607, FTL-4608				
			GLAZING OPTIONS: C. 7/16" LAMI (3/16"A, .090, 3/16"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)																				
ALL "XX" SIZES UP TO 74" WIDE x 76" HIGH																						-55.0	55.0

- NOTES:  $\Delta$
- FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
  - IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

PRODUCT REVISIONS  
 as complying with the Florida  
 Building Code  
 Amendment No. 05-1129.11  
 Expiration Date 05/22/13  
 By *M. Shuck*  
 Miami Dade Product Control  
 Division

PRODUCT REVISIONS  
 as complying with the Florida  
 Building Code  
 Amendment No. 08-0112-11  
 Expiration Date 05/22/13  
 By *M. Shuck*  
 Miami Dade Product Control  
 Division

*LWT*  
 11/21/05

Revised By:	Date:	Revisions:	 1870 W. CHINLEIGH DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 Visibly Better	Description:	PRESSURES- XX CONFIG. WINDOWS								
Drawn By:	Date:	Revisions:		Title:	ALUMINUM CASEMENT WINDOW, IMPACT								
Checked By:	Date:	Revisions:	F.K. 6/23/05 D REVISE ANCHORS & ADD TABLE 7B HEIGHT OPTION	Manufacturer:	CA-740	Scale:	NTS	Sheet:	6 of 13	Drawing No.:	7045-8	Rev.:	D
Drawn By:	Date:	Check of R.:	Date:										

Lucas A. Turner, P.E.  
 PE #08201  
 Mechanical



COMPARATIVE ANALYSIS TABLE 11. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORTS: FTL-3580, FTL-3582, FTL-3729, FTL-4607, FTL-4808

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A, .090, 1/8"HS) B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) C. 7/16" LAMI (3/16"A, .090, 3/16"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)

Main comparative analysis table with columns for widths (vent, fixed) and heights (26 to 76 inches). Rows represent different window sizes and configurations (A, B, C, E, F) with associated pressure values.

"XO" & "OX" WINDOW WIDTHS EQUAL THE SUM OF THE VENT WIDTH AND THE FIXED WIDTH.

TABLE 12. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORT: FTL-3580. GLAZING OPTION: D. 7/16" LAMI (3/16"HS, .090, 3/16"HS). ALL "XOX" SIZES UP TO 134" WIDE x 63" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97" WIDE x 63" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH.

TABLE 12A. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORTS: FTL-3580, FTL-4607, FTL-4808. GLAZING OPTIONS: D. 7/16" LAMI (3/16"HS, .090, 3/16"HS) G. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"HS, .090, 3/16"HS). ALL "XOX" SIZES UP TO 134" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH.

NOTES: 1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS. 2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

Revision table with columns for 'Revised By', 'Date', 'Description', and 'Checked By'. Includes PGT logo and project details: 'PRESSURES- UNEQUAL CONFIG. XO, OX & XOX ALUMINUM CASEMENT WINDOW, IMPACT'.

Diagram showing window configuration 'X O X' with arrows indicating pressure or force.

UNEQUAL LITES

Diagram showing window configuration 'X O' with arrows indicating pressure or force.

UNEQUAL LITES

Diagram showing window configuration 'O X' with arrows indicating pressure or force.

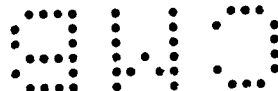
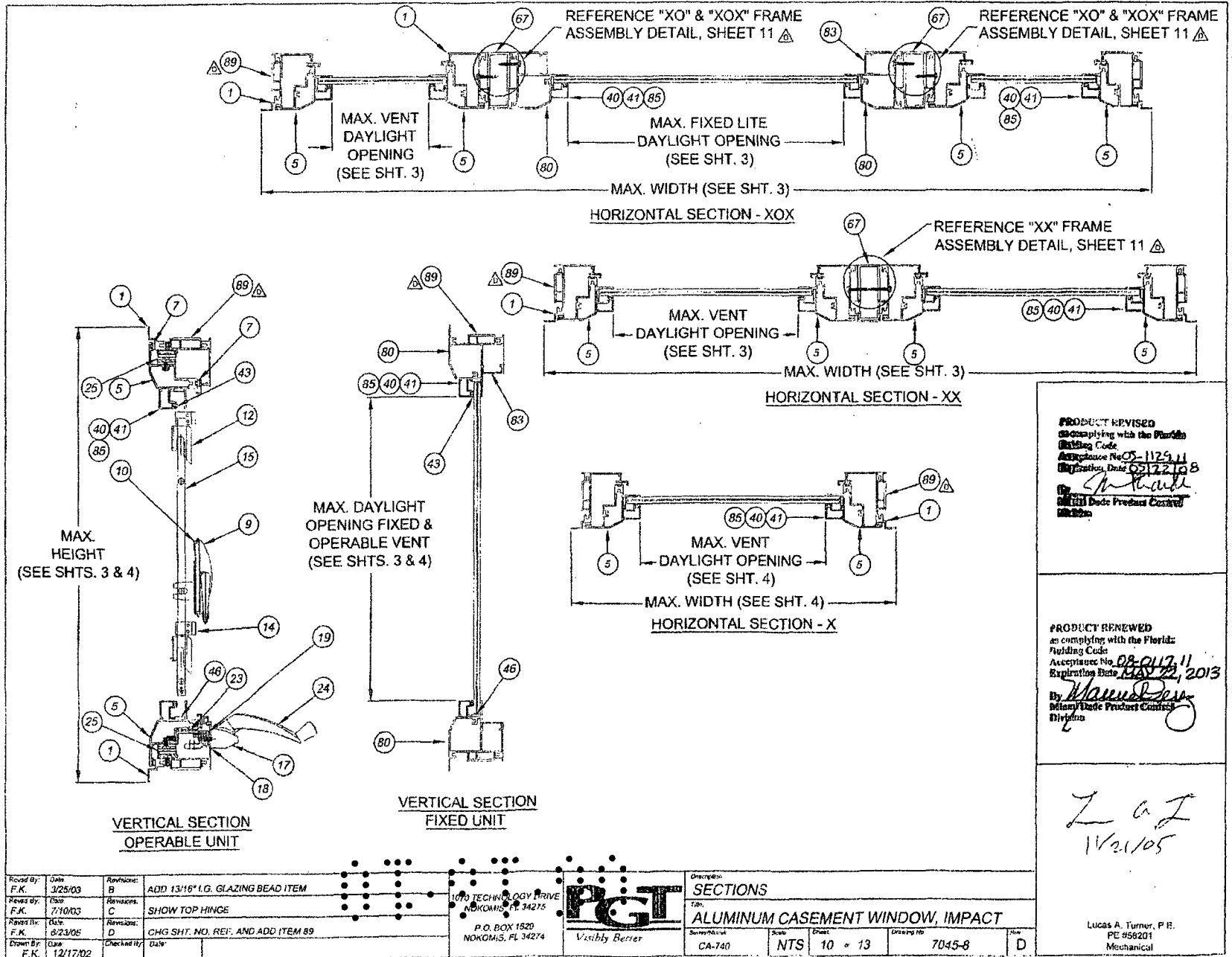
UNEQUAL LITES

PRODUCT REVISED as completed with the Florida Building Code Acceptance Plan 05-1125-11 Expiration Date 05/22/18 By: [Signature]

PRODUCT REVISED as completed with the Florida Building Code Acceptance Plan 08-017-11 Expiration Date MAY 22, 2013 By: [Signature]

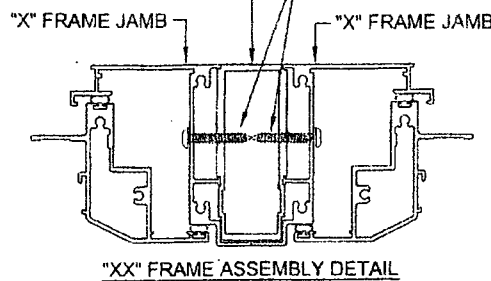
Handwritten signature 'L G Z' and date '11/21/05'.

Lucas A. Turner, P.E. PE 058201 Mechanical

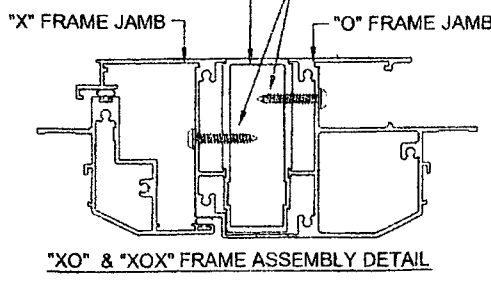




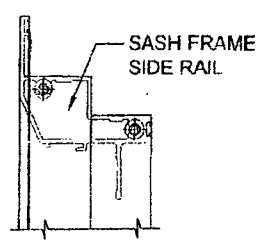
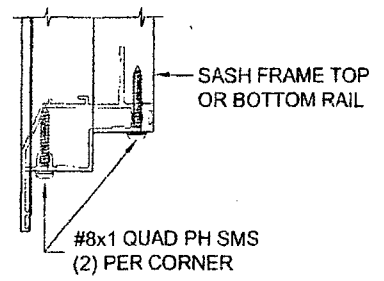
FRAME ASSEMBLY TUBE, MAT'L: 6063-T6  
 #12x1 PH TEK SMS  
 13" MAX. O.C. W/ (2) SCREWS  
 3" APART AT MID-SPAN



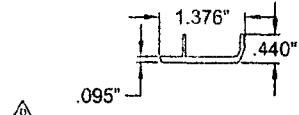
FRAME ASSEMBLY TUBE, MAT'L: 6063-T6  
 #12x1 PH TEK SMS  
 13" MAX. O.C. W/ (2) SCREWS  
 3" APART AT MID-SPAN



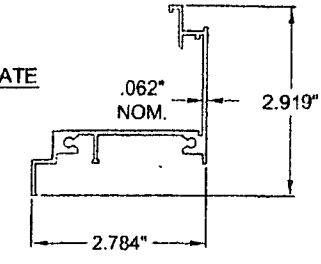
NOTE: ALL ALUMINUM SHALL BE OF 6063-T6



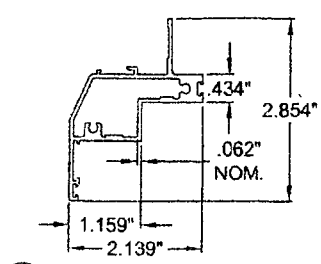
SASH FRAME ASSEMBLY DETAIL



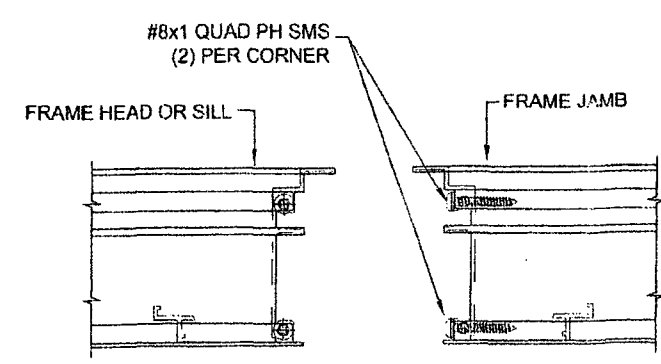
89 CASEMENT BACKING PLATE  
 MAT'L: 6063-T6  
 DWG# 7071



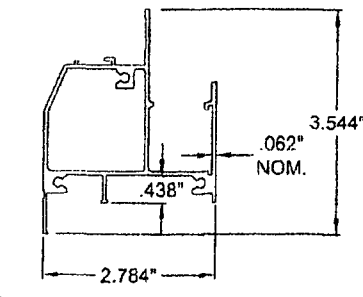
1 FRAME HEAD, SILL, JAMB  
 MAT'L: 6063-T6  
 DWG# 7002A



5 SASH FRAME HEAD, SILL, JAMB  
 MAT'L: 6063-T6  
 DWG# 7003A



MAIN FRAME ASSEMBLY DETAIL



80 FIXED FRAME HEAD, SILL, JAMB  
 MAT'L: 6063-T6  
 DWG# 7005A

PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Approval No. 08-0117-11  
 Expiration Date 05/22/13  
 By: *[Signature]*  
 Miami-Dade Product Control  
 Division

PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Approval No. 08-0117-11  
 Expiration Date 05/22/13  
 By: *[Signature]*  
 Miami-Dade Product Control  
 Division

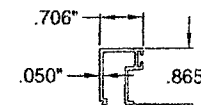
*L 01*  
*11/21/05*

Revised By: F.K.	Date: 3/25/03	Revisions: B	NO CHANGE THIS SHEET	1070 TECHNOLOGY DRIVE NOKOLAH, FL 34275 P.O. BOX 1529 NOKOLAH, FL 34274	 Visibly Better	Drawn By: EXTRUSIONS & ASSEMBLY DETAILS				
Revised By: F.K.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET			File: ALUMINUM CASEMENT WINDOW, IMPACT				
Revised By: F.K.	Date: 6/23/05	Revisions: D	ADD ITEM 89			Series/Model: CA-740	Scale: NTS	Sheet: 11 of 13	Drawing No: 7045-8	Rev: D
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:							

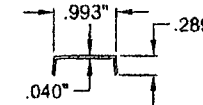
Lucas A. Turner, P.E.  
 PE #68201  
 Mechanical

PARTS LIST			
ITEM	DWG #	PGT. #	DESCRIPTION
1	7002A		MAIN FRAME - HEAD, SILL & JAMBS
2	1155	781PQA	#8 X 1 QUAD PH SMS
3	7008		FRAME CORNER KEY
4			1/2" X 1/2" X 1/8" CLOSHD-CELL FOAM TAPE
5	7003A		SASH - TOP, BOTTOM & SIDE RAILS
6	1155	781PQA	#8 X 1 QUAD PH SMS
7	7017	67017K	BULB WEATHERSTRIP .187X.240
8	7009		SASH CORNER KEY
9	7024		MAXIM MULTI-POINT LOCK
10	7026		LOCK SUPPORT PLATE
11			#10-24 X .562 PH. PN. TYPE F
12	7014		MULTI-LOCK KEEPER (R.H. & L.H.)
13	1157	78X78PFSMS	#8 X .875 PH. PN. SMS
14	7013		TIE BAR GUIDE
15	7015		TIE BAR ASSEMBLY
16	7028		MAXIM DYAD OPERATOR
17	7027		MAXIM DUAL ARM OPERATOR
18	7030		OPERATOR GASKET
19	7031		BACKING PLATE
20			#8-32 X .375 PH. PN. TYPE B
21	7032		STUD BRACKET (L.H. & R.H.)
22		7858ZA	#8 X 5/8" FLT. PH. SMS
23	7033		OPERATOR TRACK & SLIDER (DUAL ARM)
24	7022		SNAP-ON HANDLE
25	7023		12" HINGE (HEAVY DUTY)
26		710x12FP	#10 X .500 PH. PHL.
30			5/16" LAMINATED (1/8A & 1/8HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
31			5/16" LAMINATED (1/8HS & 1/8HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
32			7/16" LAMINATED (3/16A & 3/16HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
33			7/16" LAMINATED (3/16HS & 3/16HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
40	7036		GLAZING BEAD (5/16")
41	7042		GLAZING BEAD (7/16")
43	1224	6TP247	VINYL BULB WSTP (THICK)
44			SILICONE - DOW CORNING 899, 995 OR EQUIV.
45			PARABOND
46	1634	6163K	SETTING BLOCK
50	7006		SCREEN FRAME
51	7040		SCREEN CORNER KEY
52			SCREEN CLOTH
53	1635	61635K	SCREEN SPLINE - SERRATED
54	331	60976	CASEMENT SCREEN CLIP
55		78x12PSTW/B	#8 X .500 SQ. PN. TEK SMS
67	7044A	67004	CASEMENT FRAME ASS'Y. TUBE
68		712X1PPT	#12 X 1" PH. PHL. TEK
69	7011		LOCK SUPPORT PLATE
70	7012		LOCK SPACER
71	7019	711573	SNAP-ON T-HANDLE KNOB
72	7018	7FLDHD	FOLDING HANDLE

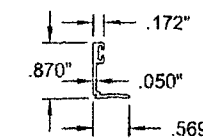
PARTS LIST CONT.			
ITEM	DWG #	PGT. #	DESCRIPTION
73	7025		MAXIM SINGLE LOCK
74	7016		SINGLE LOCK KEEPER
75		70834A	#8 X .750 QUAD PH SMS
80	7005A		FIXED WINDOW FRAME - HEAD, SILL & JAMBS
81	1155	781PQA	#8 X 1 QUAD PH SMS
82	7010		FIXED FRAME CORNER KEY
83	7007		INSTALLATION HOLE COVER
85	7047	67407	GLAZING BEAD (13/16" I.G.)
86		13/16"	I.G. GLASS (1/8"HS, AIR SPACE, 5/16" LAMI) 5/16" LAMI = (2) LITES OF 1/8"HS GLASS WITH AN.090 INTERLAYER - SOLUTIA OR DUPONT PVB
87		13/16"	I.G. GLASS (1/8"HS, AIR SPACE, 7/16" LAMI) 7/16" LAMI = 3/16A & 3/16HS GLASS WITH AN.090 INTERLAYER - SOLUTIA OR DUPONT PVB
88		13/16"	I.G. GLASS (1/8"HS, AIR SPACE, 7/16" LAMI) 7/16" LAMI = 3/16HS & 3/16HS GLASS WITH AN.090 INTERLAYER - SOLUTIA OR DUPONT PVB
89	7071	67071	CASEMENT BACKING PLATE (SEE NOTE 4, SHEET 13)



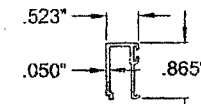
40 5/16" GLAZING BEAD  
MAT'L: 6063-T6  
DWG# 7036



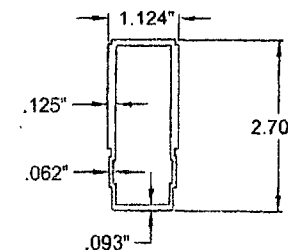
83 INSTALLATION HOLE COVER  
MAT'L: 6063-T6  
DWG# 7007



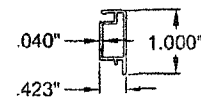
85 13/16" GLAZING BEAD  
MAT'L: 6063-T6  
DWG# 7047



41 7/16" GLAZING BEAD  
MAT'L: 6063-T6  
DWG# 7042



67 CASEMENT FRAME ASSEMBLY TUBE  
MAT'L: 6063-T6  
DWG# 7004A



50 CASEMENT SCREEN FRAME  
MAT'L: 6063-T6  
DWG# 7006

Revised By: F.K.	Date: 3/25/03	Revised By: B	Date: 3/25/03	ADD 13/16" I.G. GLASS & GLAZING BEAD
Revised By: F.K.	Date: 7/10/03	Revised By: C	Date: 7/10/03	NO CHANGE THIS SHEET
Revised By: F.K.	Date: 6/23/05	Revised By: D	Date: 6/23/05	ADD EQUIV. TO ITEM 44, SILICONE AND ADD ITEMS 87, 88 AND 89
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:	

1070 TECHNICAL DRIVE  
NORCROSS, FL 34275  
P.O. BOX 1529  
NORCROSS, FL 34274



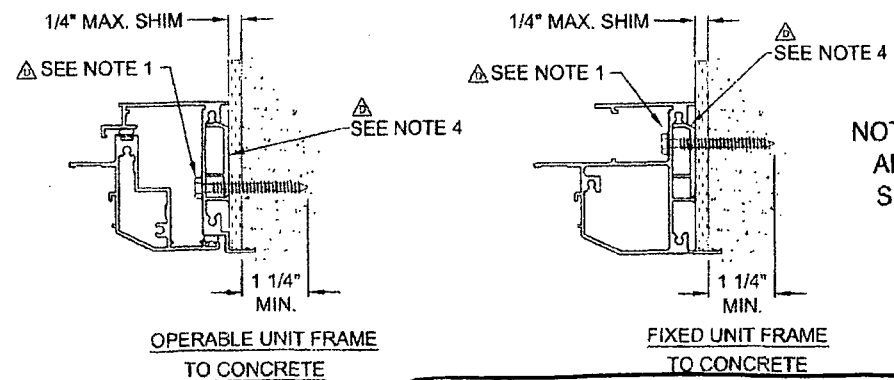
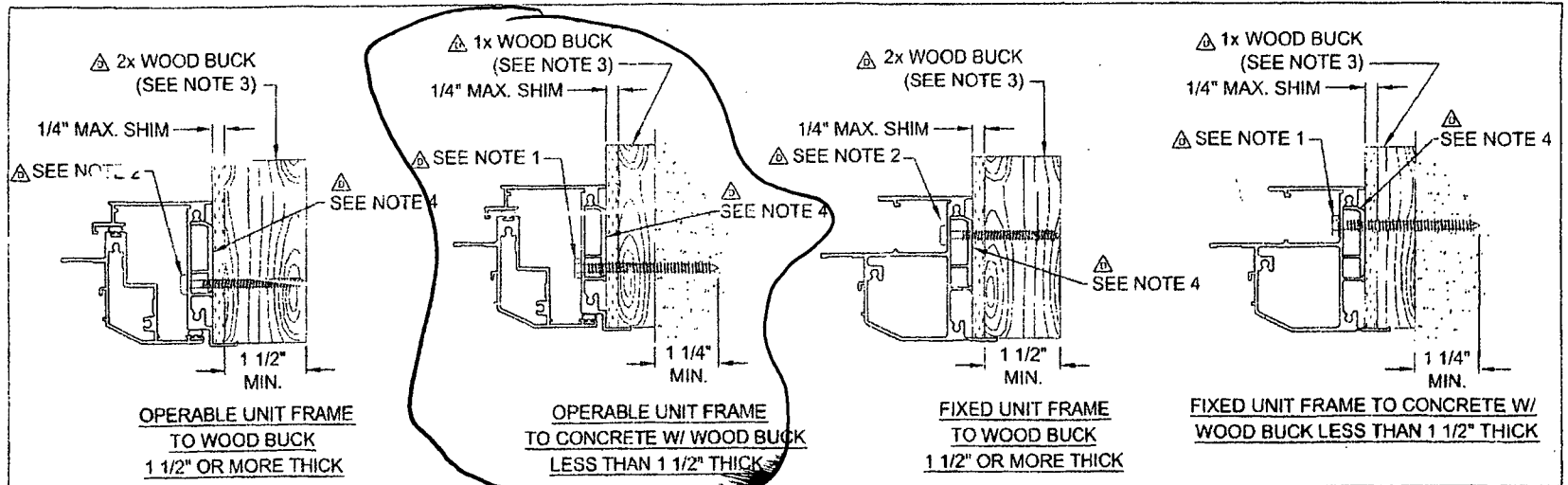
Parts List & Extrusions  
ALUMINUM CASEMENT WINDOW, IMPACT  
Series/Model: CA-740  
Scale: NTS  
Sheet: 12 of 13  
Drawing No: 7045-8  
Rev: D

PRODUCT RENEWED  
in compliance with the Florida  
Building Code  
Acceptance Date: 05-12-11  
Expiration Date: 02-17-16  
By: *[Signature]*  
Miami Dade District Council  
Division

PRODUCT RENEWED  
in compliance with the Florida  
Building Code  
Acceptance Date: 08-01-11  
Expiration Date: MAY 22, 2013  
By: *[Signature]*  
Miami Dade District Council  
Division

*[Signature]*  
11/21/05

LUCA A. YERIN, P.E.  
PE #68201  
Mechanical



NOTE: ALL DETAILS APPLY TO HEAD, SILL, AND JAMB.

- NOTES: **1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4\"/>**

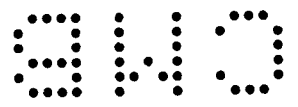
PRODUCT REVISED  
 as complying with the Florida Building Code  
 Acceptance No. 05-1129.11  
 Expiration Date 05/22/13  
 By *Mauro Jara*  
 Miami Dade Product Control Division

PRODUCT REPOWERED  
 as complying with the Florida Building Code  
 Acceptance No. 08-017.11  
 Expiration Date **MAY 24, 2013**  
 By *Mauro Jara*  
 Miami Dade Product Control Division

*L A J*  
 11/2/105

Revised by: F.K.	Date: 3/25/03	Revisions: B	NO CHANGE THIS SHEET		Drawn by: F.K.	ANCHORAGE DETAILS			
Revised by: F.K.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET			ALUMINUM CASEMENT WINDOW, IMPACT			
Revised by: F.K.	Date: 6/23/05	Revisions: D	REVISE NOTES AND REMOVE 3/16\"/>						
Drawn by: F.K.	Date: 12/17/02	Checked by:			P.O. BOX 1529 NOKOMA, FL 34274	Sheet No: CA-740	Scale: NTS	Size: 13 x 13	Drawing No: 7045-8

Lucas A. Turner, P.E.  
 PE #58261  
 Mechanical



F Door (2-30x96)  
Zone 4  
57.5-62.7  
Noa 07-1028.10

Mullion 1x4  
Span 64"  
Open 110"  
Noa 06-0185.06

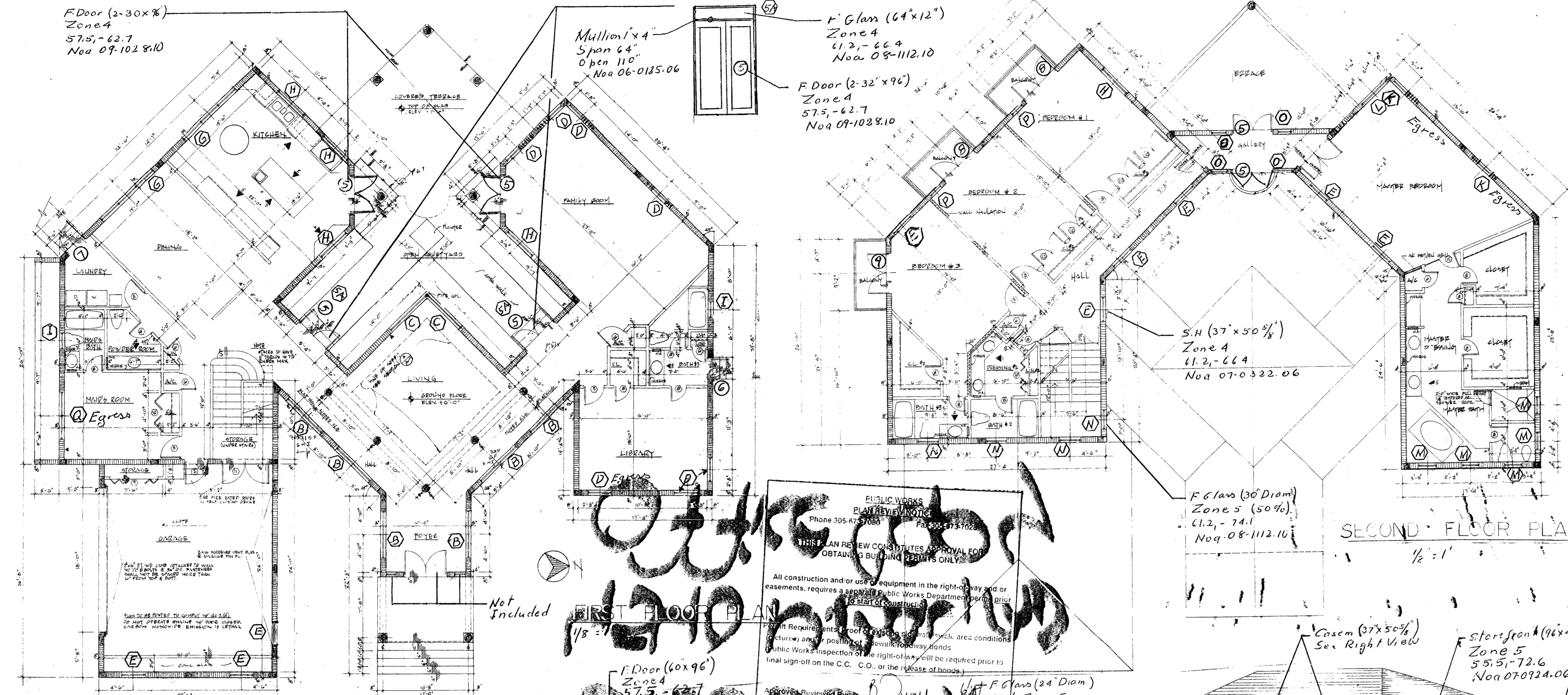
F Glass (64x12")  
Zone 4  
61.2-66.4  
Noa 08-1112.10

F Door (2-32x96)  
Zone 4  
57.5-62.7  
Noa 07-1028.10

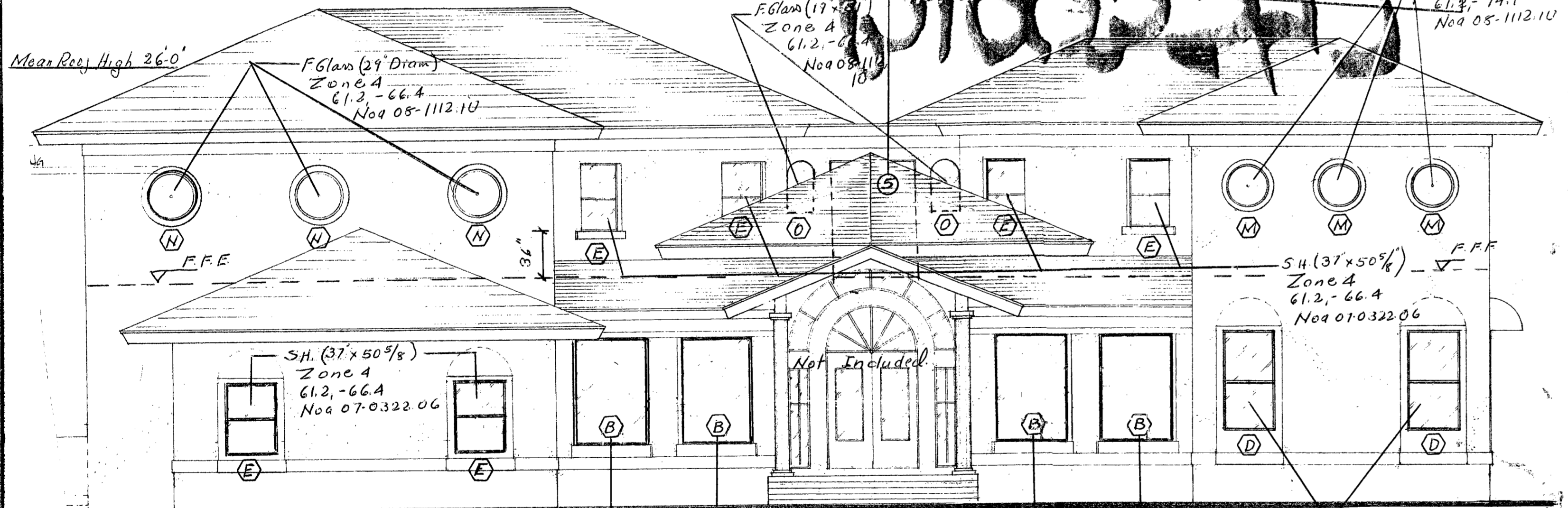
WIND PRESSURE COMPUTATION  
 $q = 0.00256 K_z K_d K_t K_d V^2 Z$   $K_z$  for  $H=26 = .15$   $K_d = 1$   $K_t = 1$   $V = 116$  MPH  $Z = 1$   
 $q = 0.00256 \times .15 \times 1 \times 1 \times 1 \times 116^2 \times 1 = 51.34$  p.s.f.  $p = q (\pm C_{ep} \pm C_{epi})$   $C_{epi} = 1.18$

GLASS AREA CALCULATION

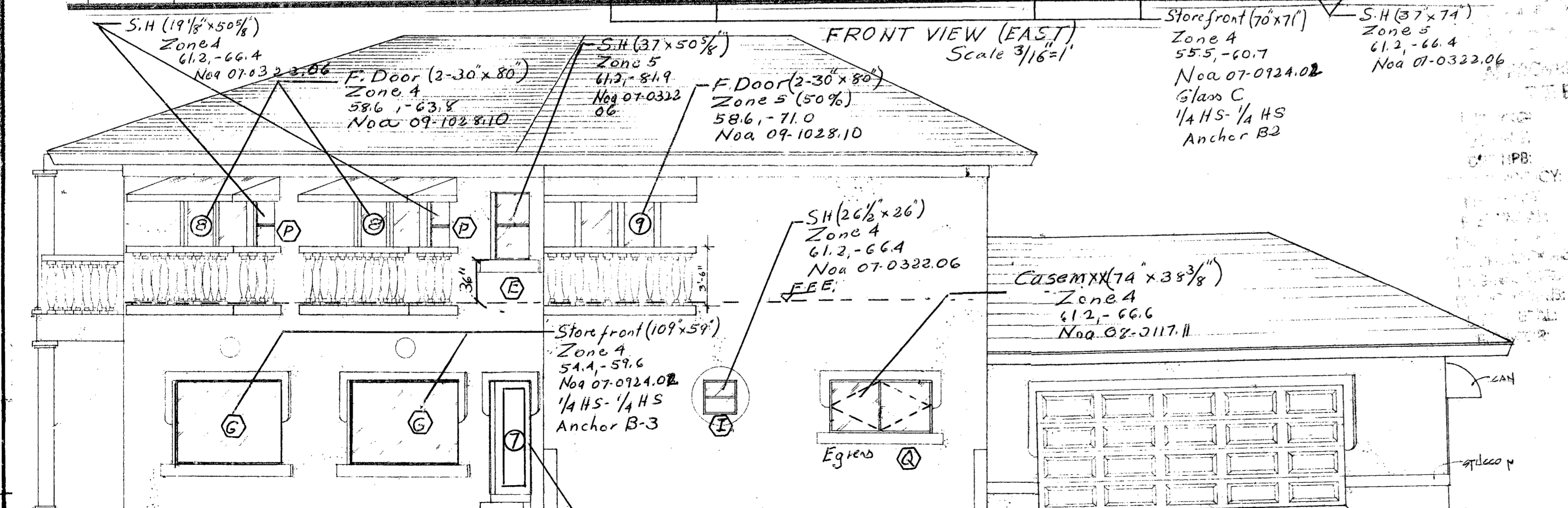
MARK	SIZE (Inch)	TYPE	AREA S.F.	ZONE	GC	Gcp	Wind Pressure (psf)	Wind Pressure Allowable (psf)	Acceptance No.
A	N/A	Used							
B	70x71	Storefr.	3.95	4	.89	.99	18	95.8	95.8
C	70x90	"	3.15	5	.87	.77	11	95.8	95.8
D	37x74	S.H.	2.75	5	1.0	1.2	11	76.6	76.6
E	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
F	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0
G	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
H	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0
I	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
J	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0
K	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
L	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0
M	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
N	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0
O	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
P	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0
Q	37x50 1/2	"	2.35	4	1.0	1.1	11	80.0	80.0
R	37x50 1/2	"	2.35	5	1.0	1.1	11	80.0	80.0



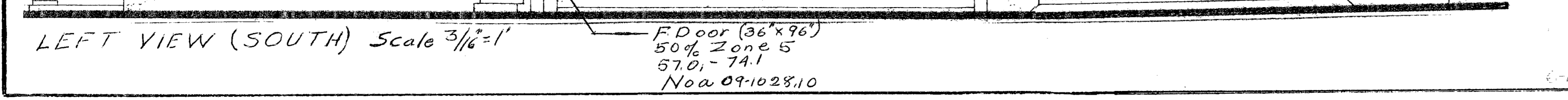
SECOND FLOOR PLAN  
1/8" = 1'



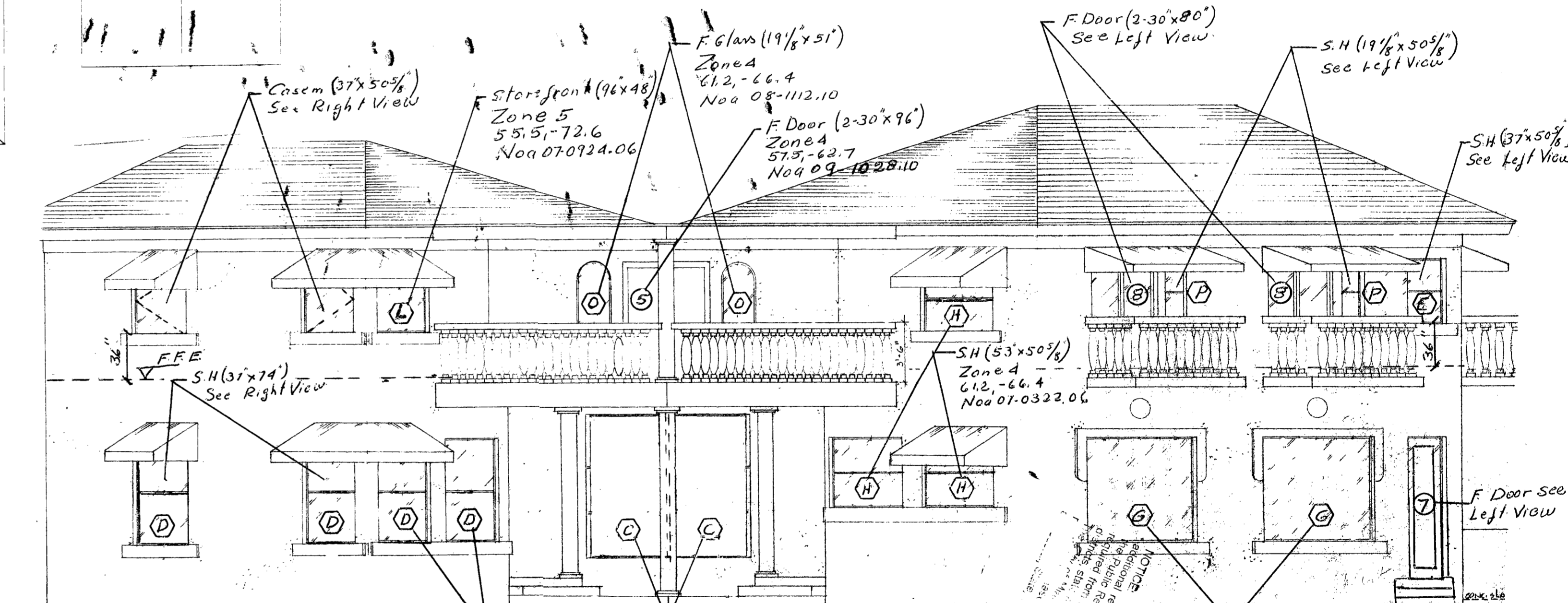
REAR VIEW (WEST) Scale 3/16" = 1'



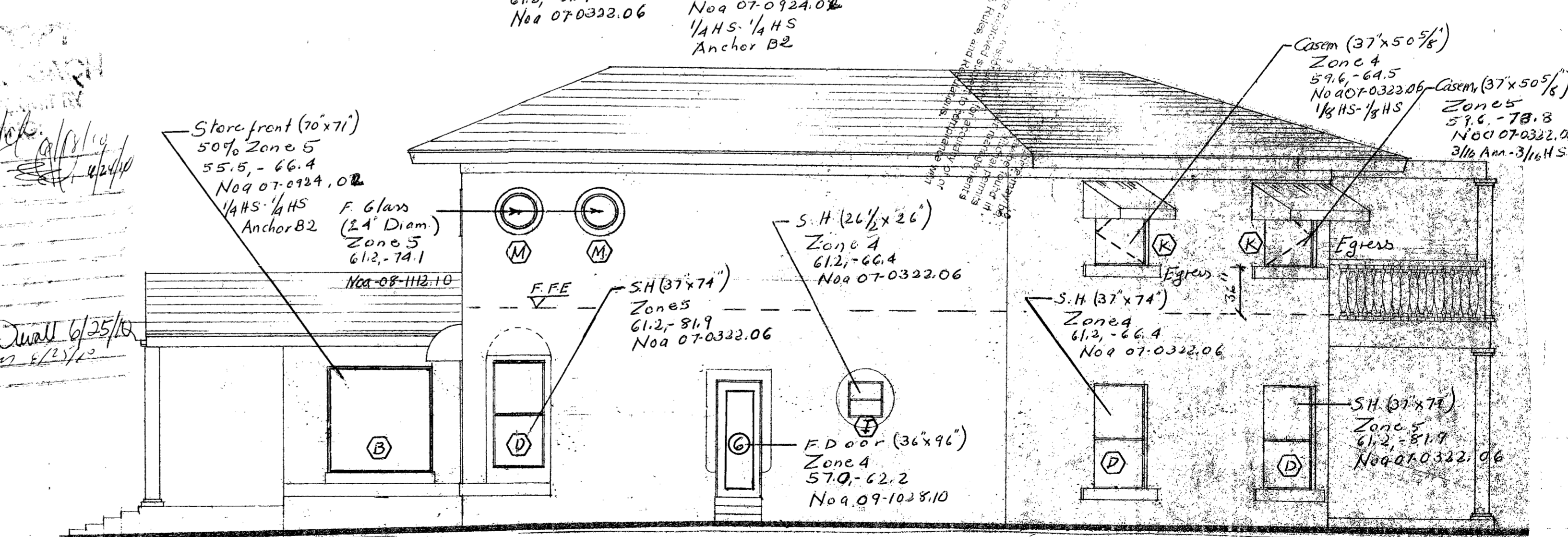
FRONT VIEW (EAST) Scale 3/16" = 1'



LEFT VIEW (SOUTH) Scale 3/16" = 1'



REAR VIEW (WEST) Scale 3/16" = 1'



RIGHT VIEW (NORTH) Scale 3/16" = 1'

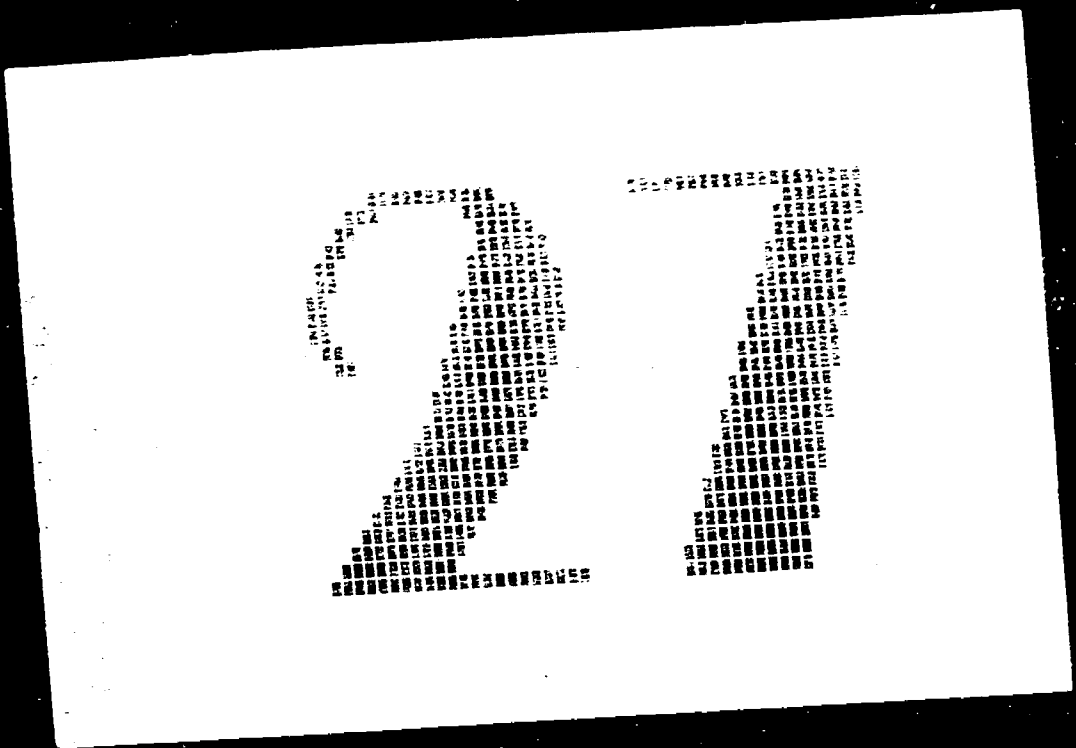
ANIEL FERNANDEZ PE 66841  
3384 SW 16 STREET  
FORT LAUDERDALE, FL 33312  
PH. 1-954-6047423

WINDOWS & GLASS DOORS REPLACEMENT AT BERTHA M. CLAZABAL RESIDENCE- 4540 NBAY RD. MIAMI BEACH FL 33140

PUBLIC WORKS  
PLAN REVIEW NOTICE  
Phone 305-875-3000 Fax 305-875-3000  
THE PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.  
All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.  
Permit Requirements: Proof of existing utility area conditions (nature and position of overhead utility conductors); Public Works Inspection of the right-of-way will be required prior to final sign-off on the C.C., C.O., or the release of bonds.

01003547

01003547  
4540 N. CALIF. RD  
OFFICE COPY



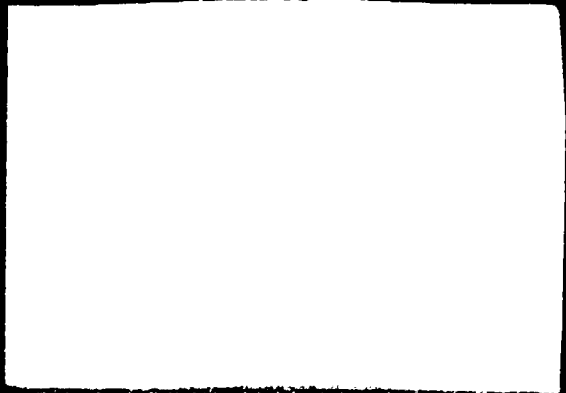
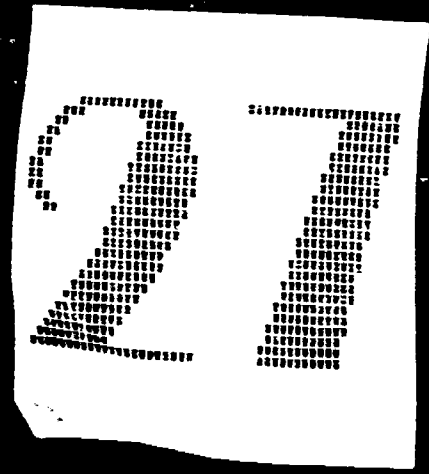
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**PERMIT #**  
*254 0057*

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**ADDRESS :**  
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**TWO MEMBER CONNECTION**

THE CENTERLINE OF THE CHORDS AND WEBS MUST BE CONNECTED WITH 160 NAILS AT 12" O.C. CLAMPED IN ADDITION, ADD ONE 160 NAIL AT EACH JOINT FOR EVERY TEN FEET OF SPAN CARRIED OR EVERY 200 LB. OF TOTAL UNIFORM LOAD SUPPORTED. THESE NAILS MUST NOT BE LESS THAN 2" APART. DENY NAIL INTO THE OUTSIDE 1" EDGE OF THE CHORDS. THE SUPPORTED TRUSSES SHOULD PROVE TO THE SIDE WITH THE NAIL HEADS PREFERABLY.

**THREE MEMBER CONNECTION**

CONNECT THE CENTERLINE OF THE CHORDS AND WEBS WITH 160 NAILS AT 12" O.C. FROM BOTH SIDES. IN ADDITION, ADD ONE 160 NAIL AT EACH JOINT FOR EVERY TEN FEET OF SPAN CARRIED OR EVERY 200 LB. OF TOTAL UNIFORM LOAD SUPPORTED. DO NOT PLACE THESE NAILS LESS THAN 2" APART. ON BOTH THE OUTSIDE 1" EDGE OF THE CHORDS THE SUPPORTED TRUSSES MUST PROVE TO EITHER SIDE OF THE CHORDS. ALL THE NAIL CONNECTIONS ARE ADDITIONAL.

**FOUR MEMBER CONNECTION**

NOTE THE MEMBER CHORD SIZE FOR ALL 4 S. MEMBER CONNECTIONS.

PLACE A STRUCTURAL STEEL-BOLT OF 1/2" DIA. & 2" WASHERS AT EACH JOINT ON THE CENTERLINE OF THE CHORDS. THE SPACING OF THE BOLTS MUST NOT EXCEED 4'-0". SO ADDITIONAL BOLTS MUST BE PLACED BETWEEN THE JOINTS AS REQUIRED. IF TRUSS MEMBERS ARE BOLTED TO THE CHORDS, THESE BOLTS MUST BE PLACED ON THE O.C. FROM BOTH SIDES.

**FIVE MEMBER CONNECTION**

REPEAT STEPS 1 & 2 OF 4 MEMBER CONNECTION.

ADD THE FIFTH MEMBER AND NAIL ALONG THE CENTERLINE OF ALL ITS WEBS INTO THE FIRST MEMBER WITH 160 NAILS AT 12" O.C.

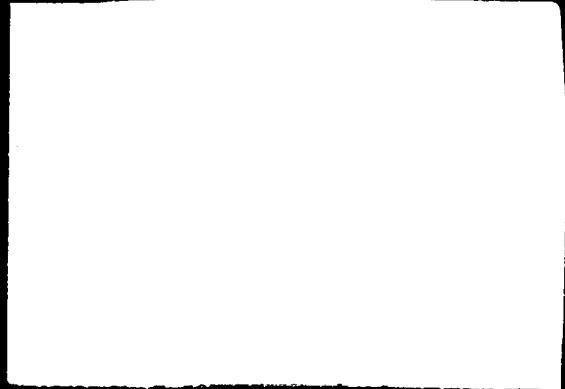
REPEAT STEP 3 OF THE 4 MEMBER CONNECTION.

**NOTE:** ON ALL THE UNIFORM LOAD SYMMETRICAL BRIDGES, THE SPACES MUST BE STABILIZED BY TIGHTENING THE TRUSSES AROUND PRIOR TO CONNECTING TOGETHER. PROVIDE THE TRUSS ERECTOR WITH A COPY OF THIS DRAWING SO THAT HE MAY KNOW OF THESE REQUIREMENTS.

**TRUSS CONNECTION DETAILS**


**TCA TRUSS CONNECTOR OF AMERICA**

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ICA-STRANS 07.21



Time	Value
00:00	10
00:05	15
00:10	20
00:15	25
00:20	30
00:25	35
00:30	40
00:35	45
00:40	50
00:45	55
00:50	60
00:55	65
01:00	70
01:05	75
01:10	80
01:15	85
01:20	90
01:25	95
01:30	100

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TEA-STALUD 17.12.11


NO	DATA	VALOR	UNID
1	17.12.11	100	kg
2	18.12.11	100	kg
3	19.12.11	100	kg
4	20.12.11	100	kg
5	21.12.11	100	kg
6	22.12.11	100	kg
7	23.12.11	100	kg
8	24.12.11	100	kg
9	25.12.11	100	kg
10	26.12.11	100	kg
11	27.12.11	100	kg
12	28.12.11	100	kg
13	29.12.11	100	kg
14	30.12.11	100	kg
15	31.12.11	100	kg

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TCA-STRUSS 47.31



SECTION ANALYSIS

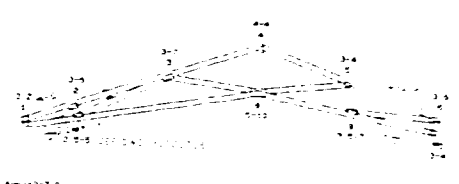
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1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
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85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

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TEA-STRAUSS #7 21

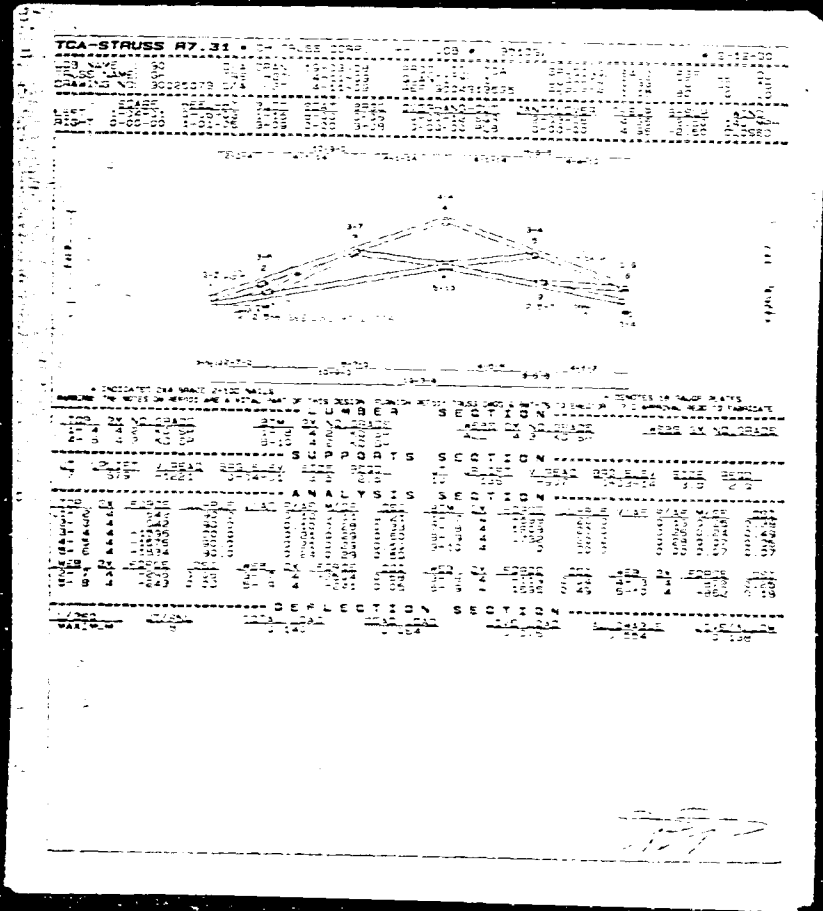


TEA-STRAUSS #7 21

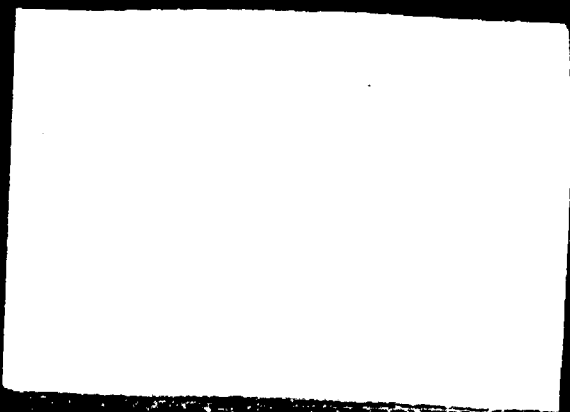
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TOP SECRET

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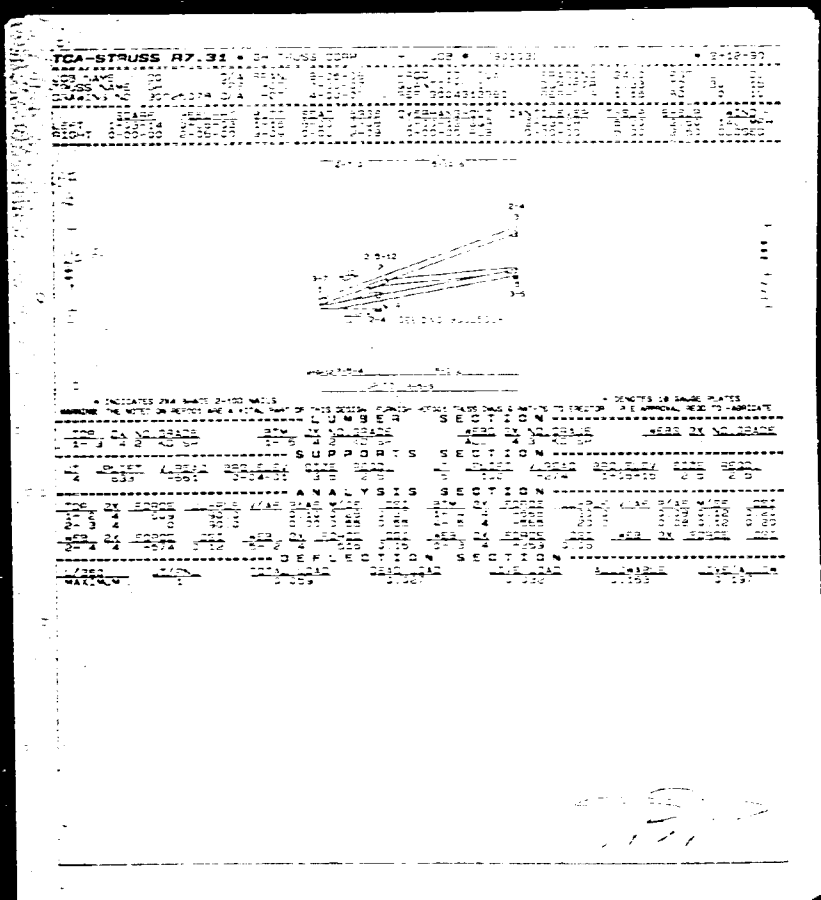
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REPORTS SECTION			
CONTROL SECTION			
PLANNING SECTION			
OPERATIONS SECTION			
TRAINING SECTION			
LOGISTICS SECTION			
ADMINISTRATION SECTION			
RESEARCH SECTION			
DEVELOPMENT SECTION			
TESTING SECTION			
OPERATIONAL SECTION			
MAINTENANCE SECTION			
REPAIR SECTION			
REPLENISHMENT SECTION			
REPAIR SECTION			
REPLENISHMENT SECTION			

SECRET

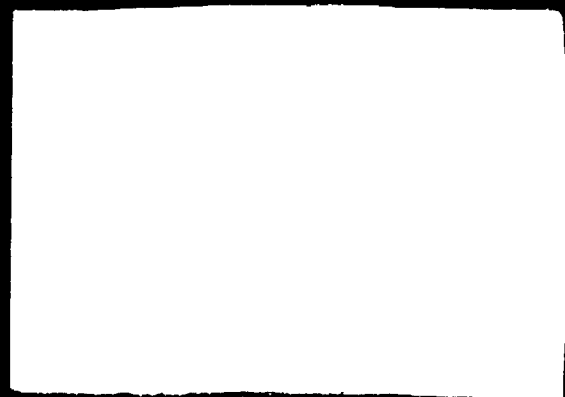
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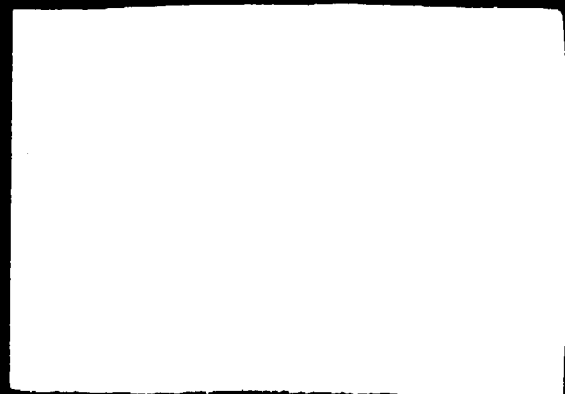
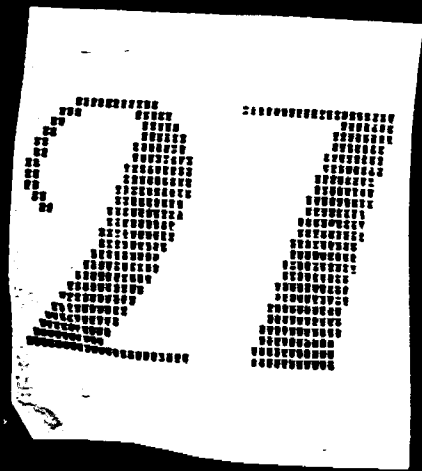
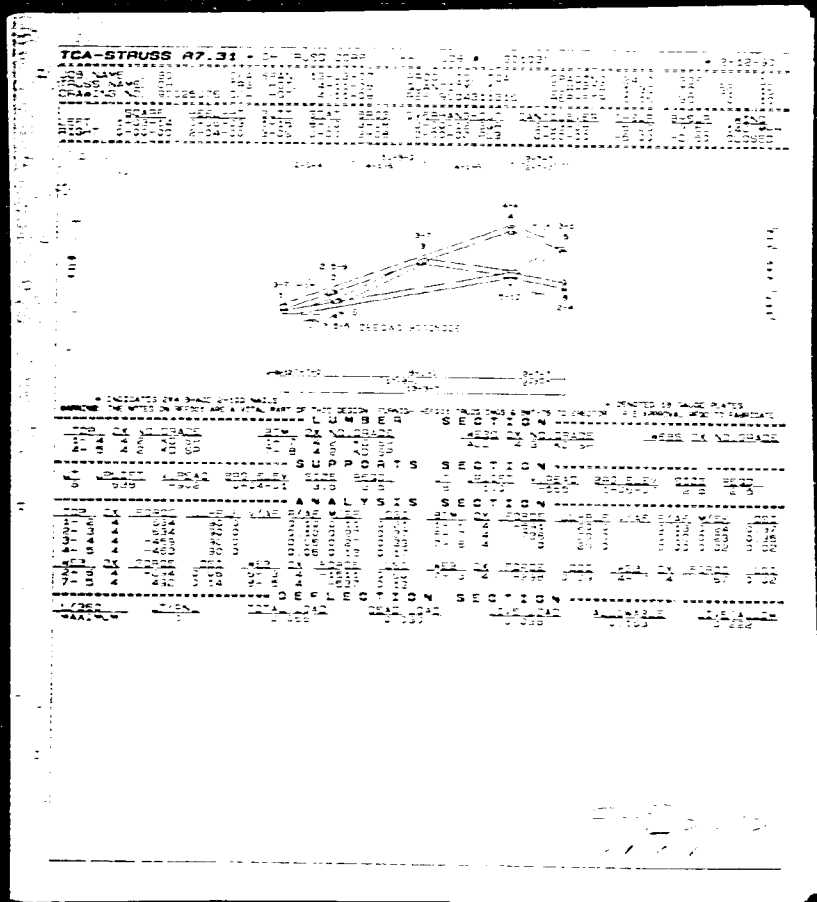
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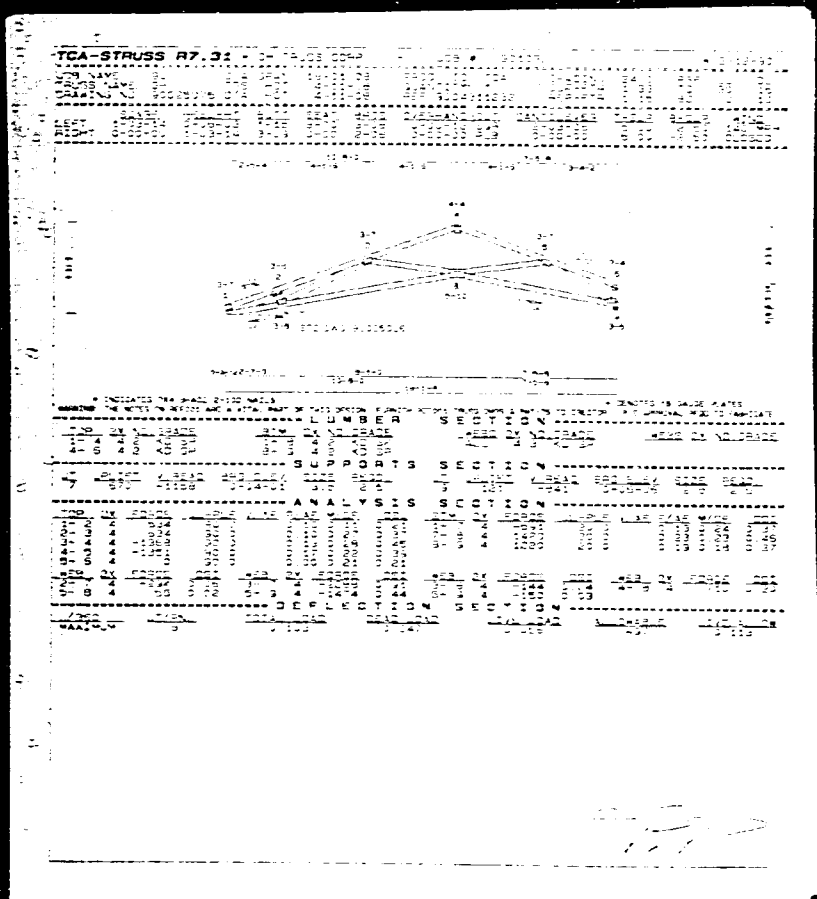
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

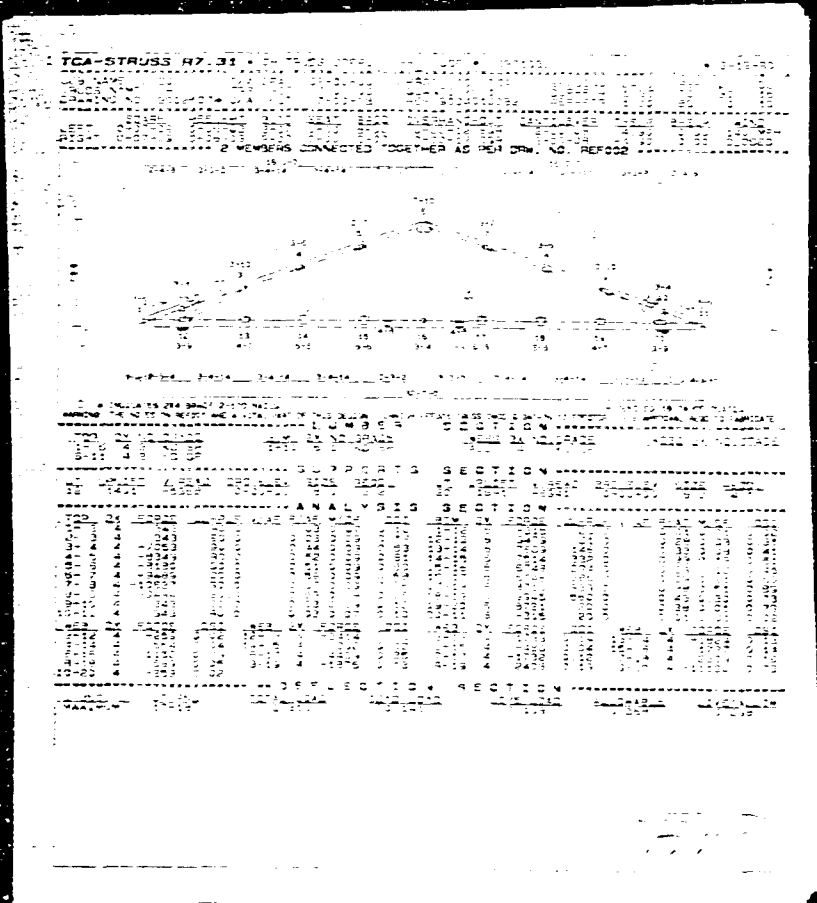






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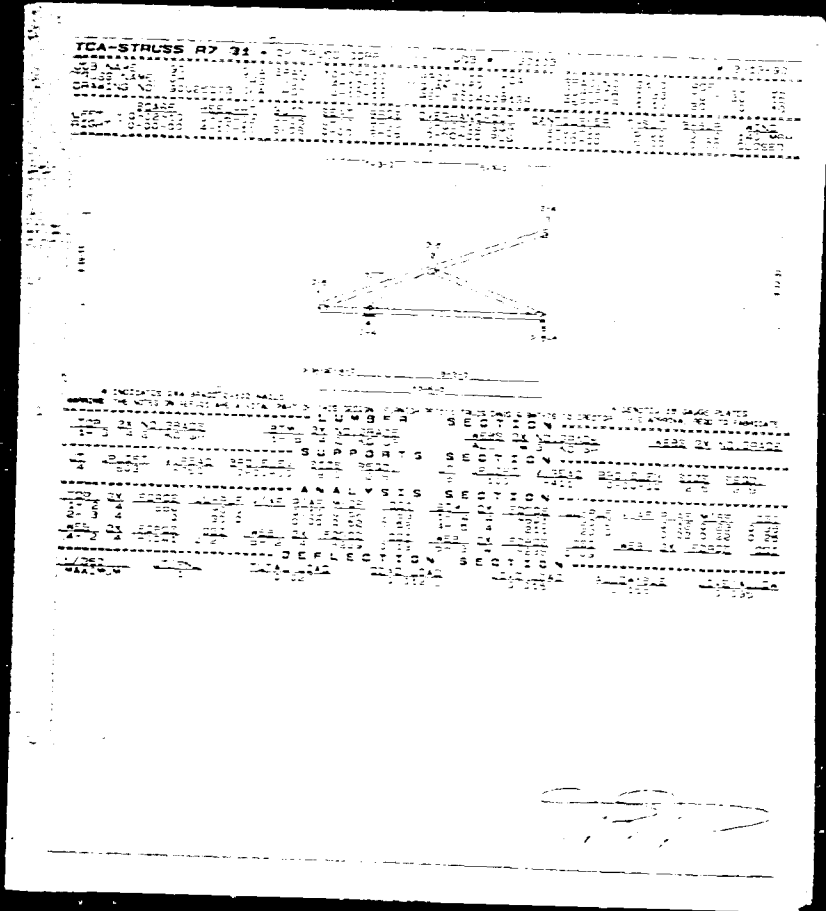




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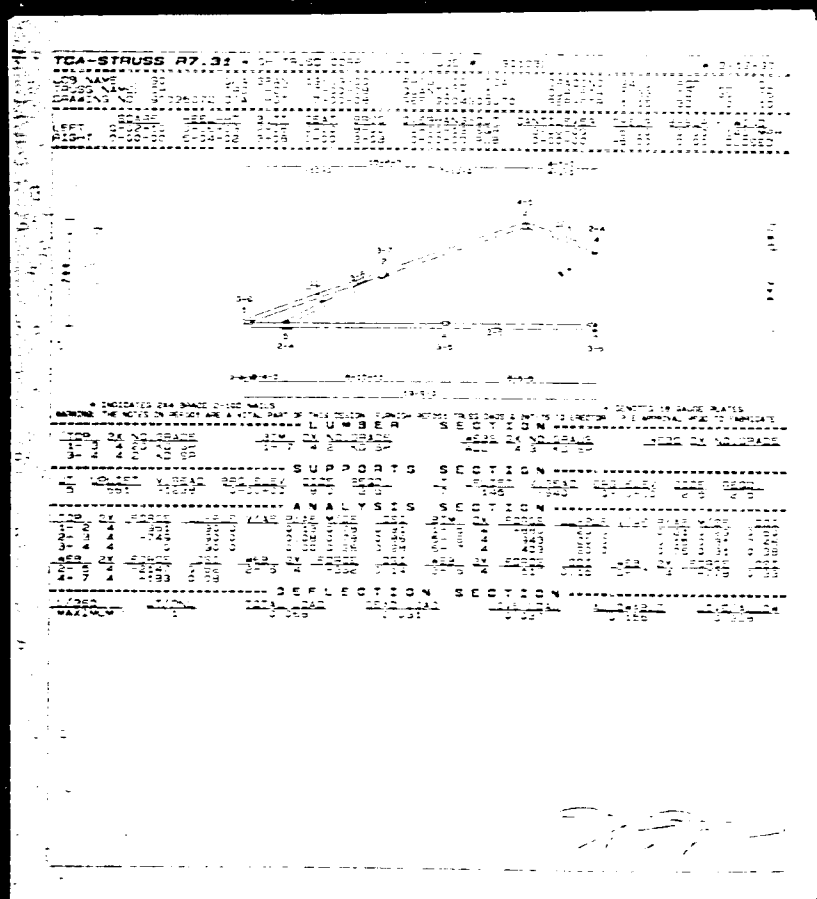


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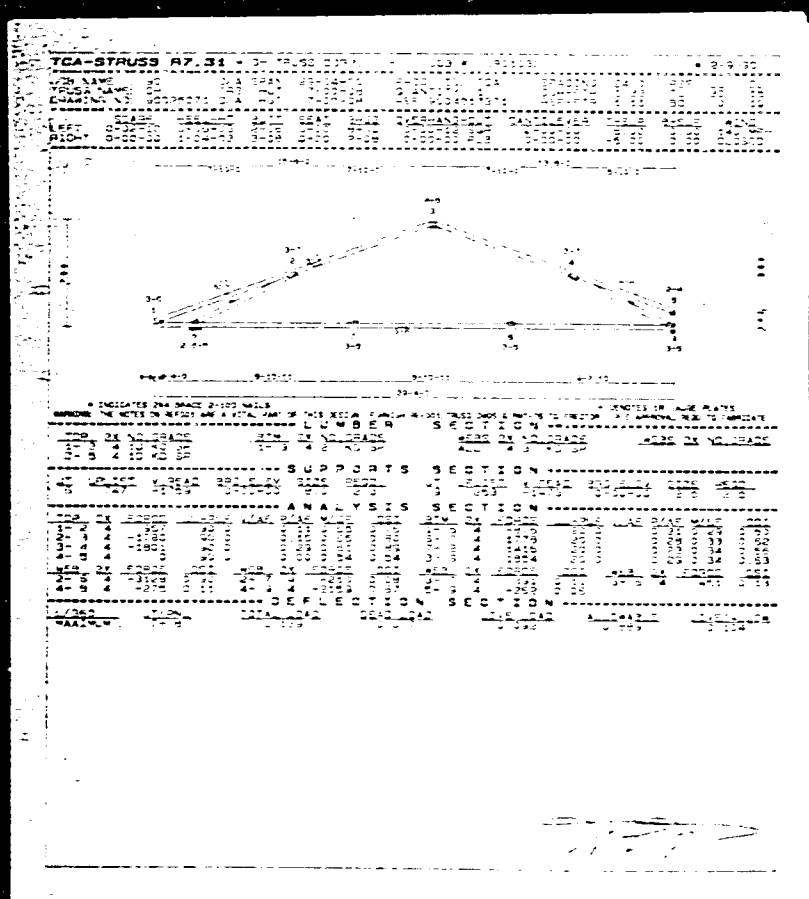




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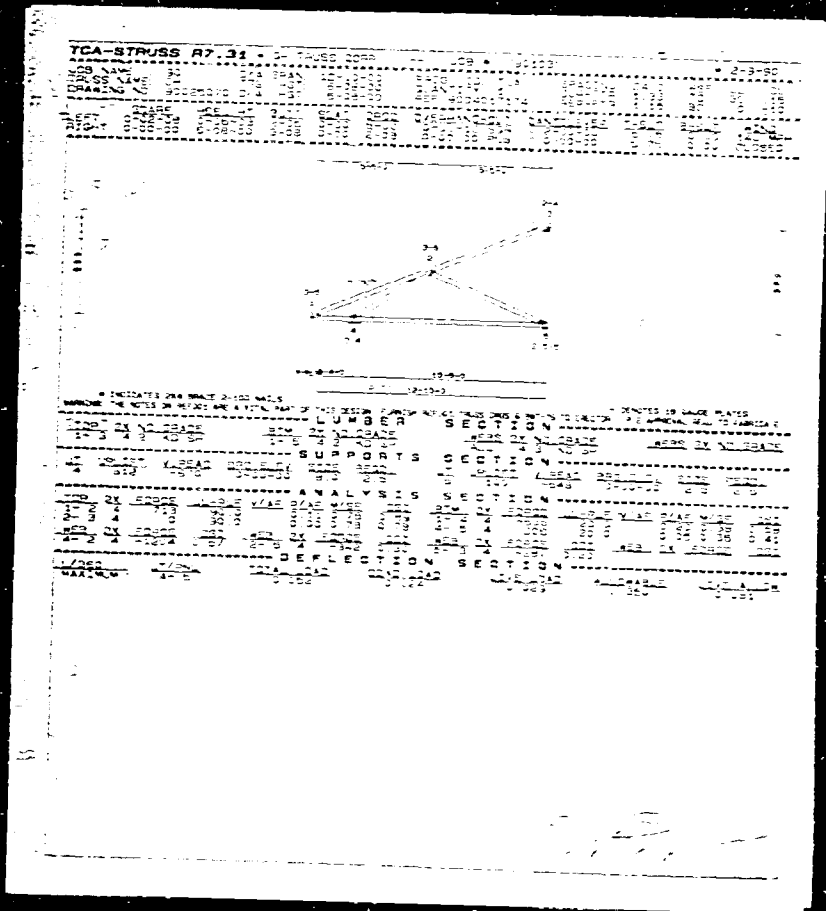


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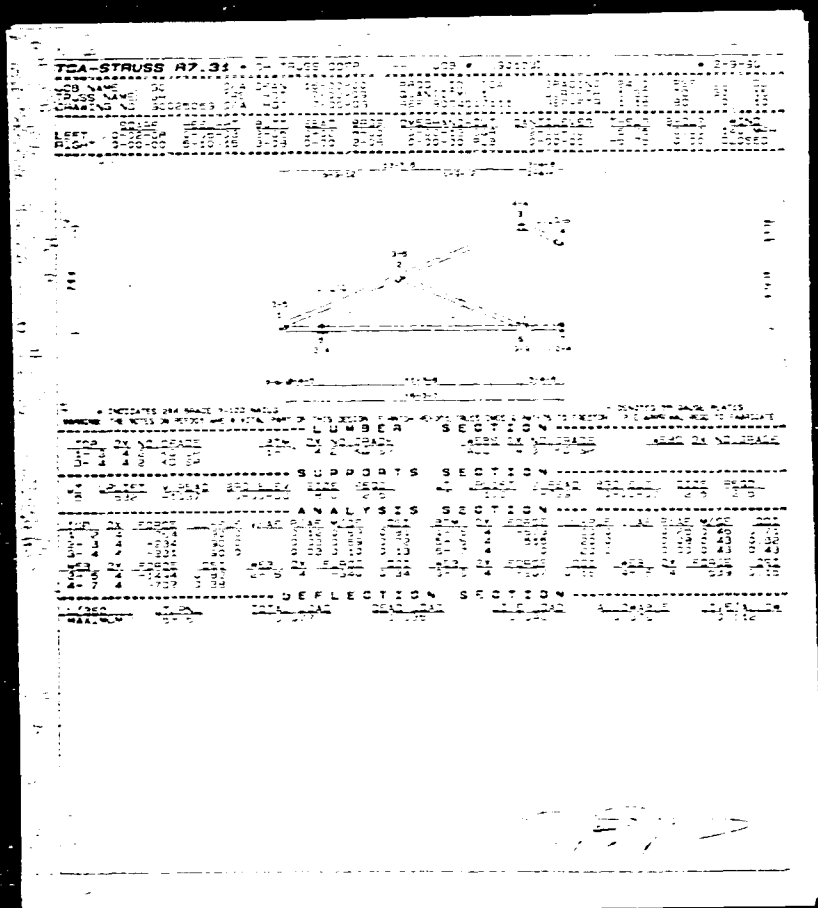




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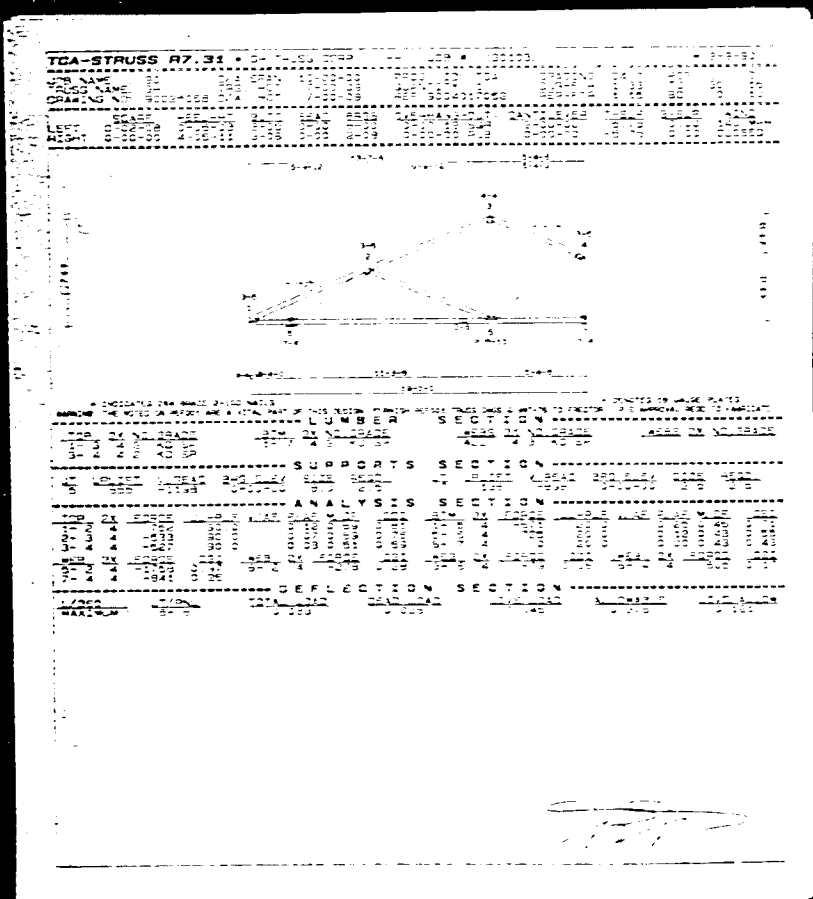
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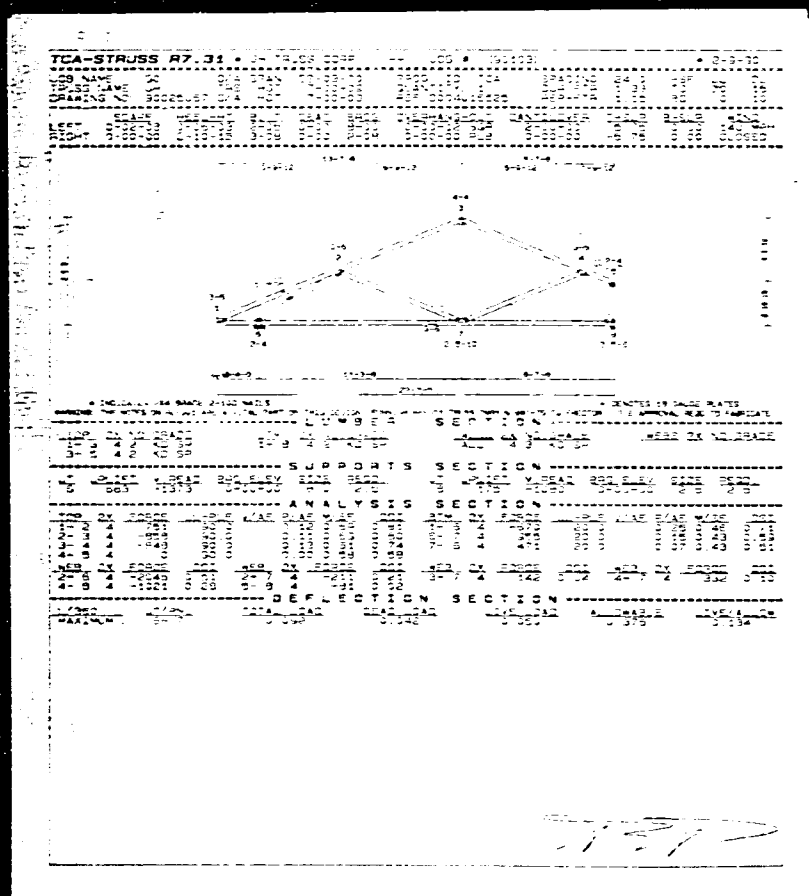
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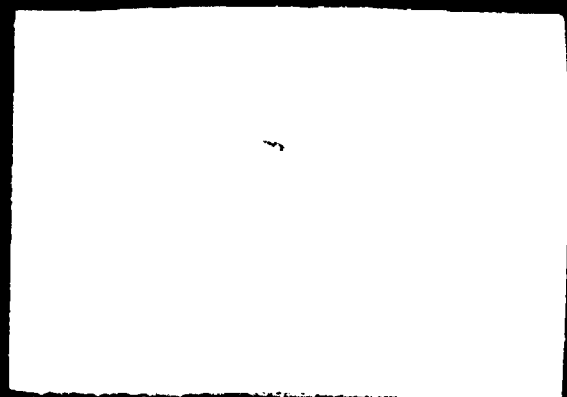
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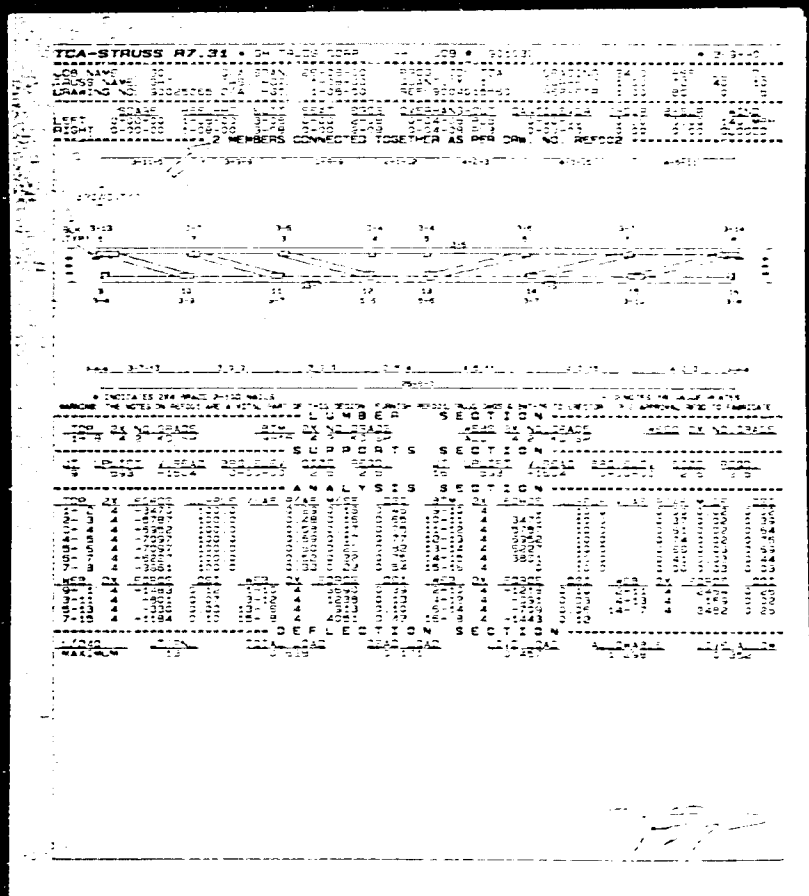
TCA-STRUSS #7 31

NO.	NAME	ADDRESS	CITY	STATE	ZIP
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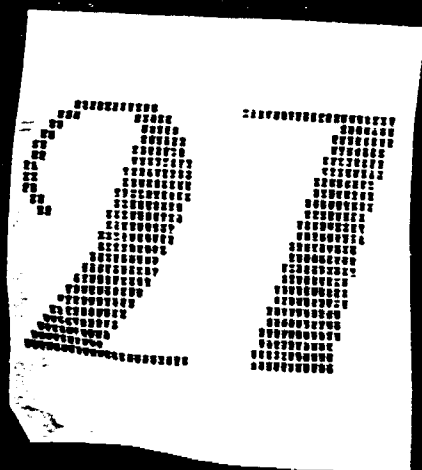
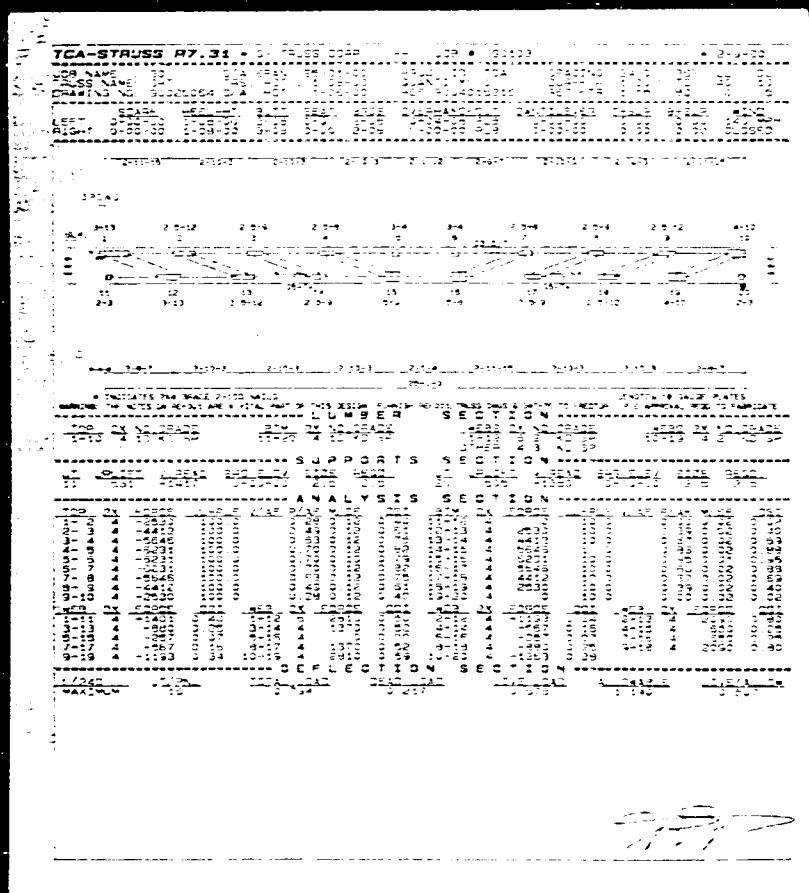


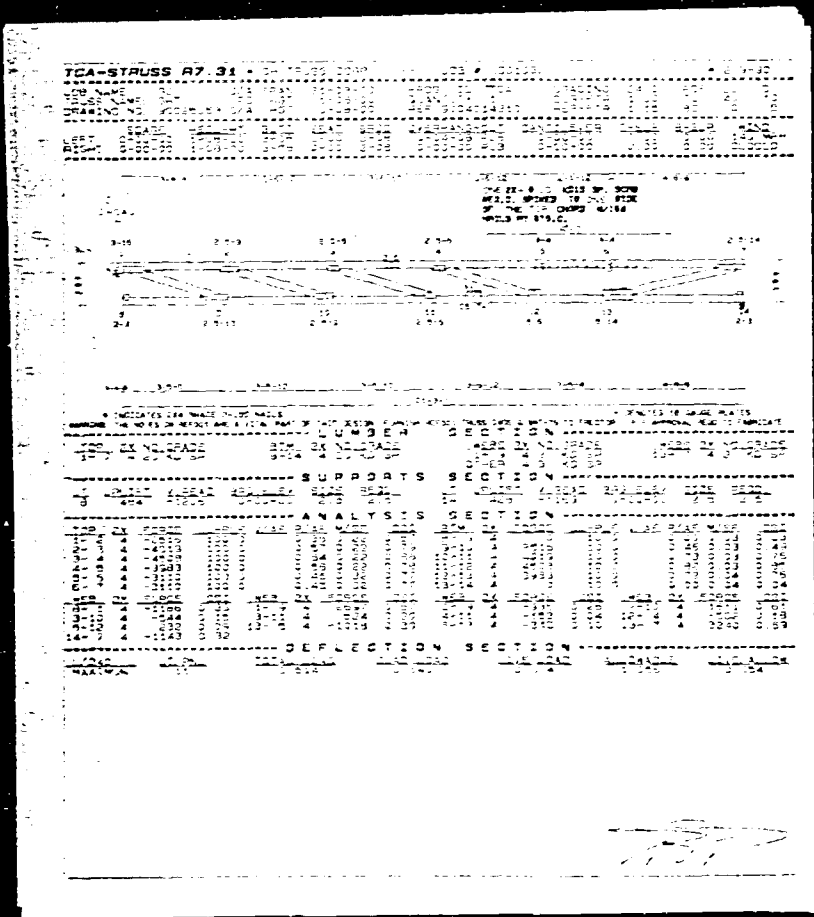
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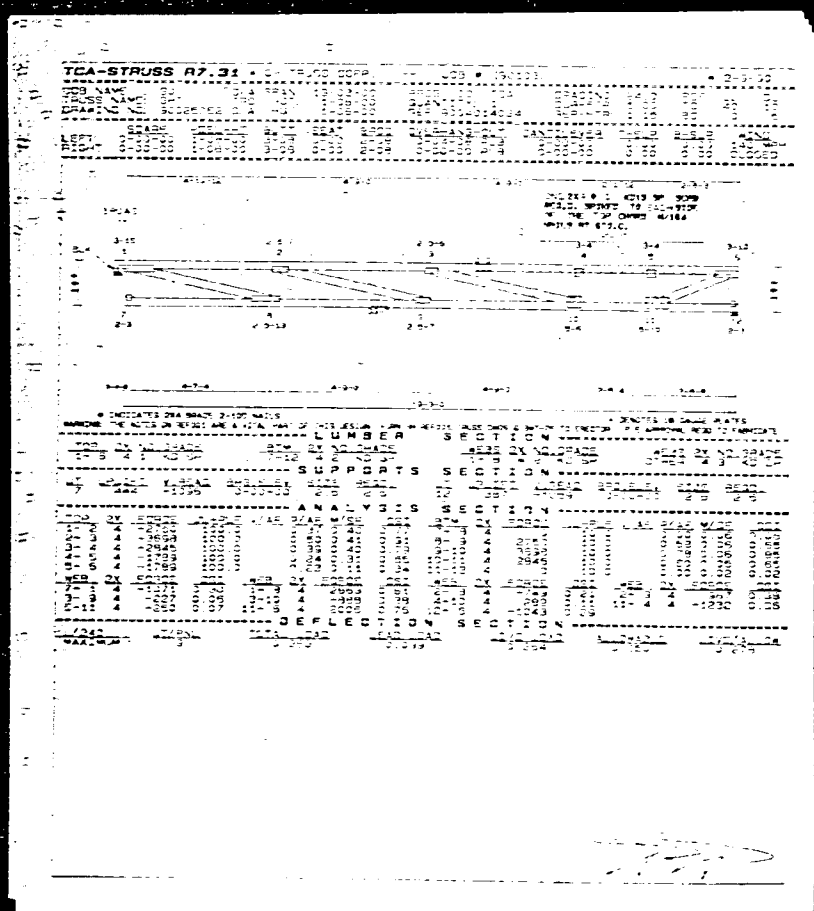




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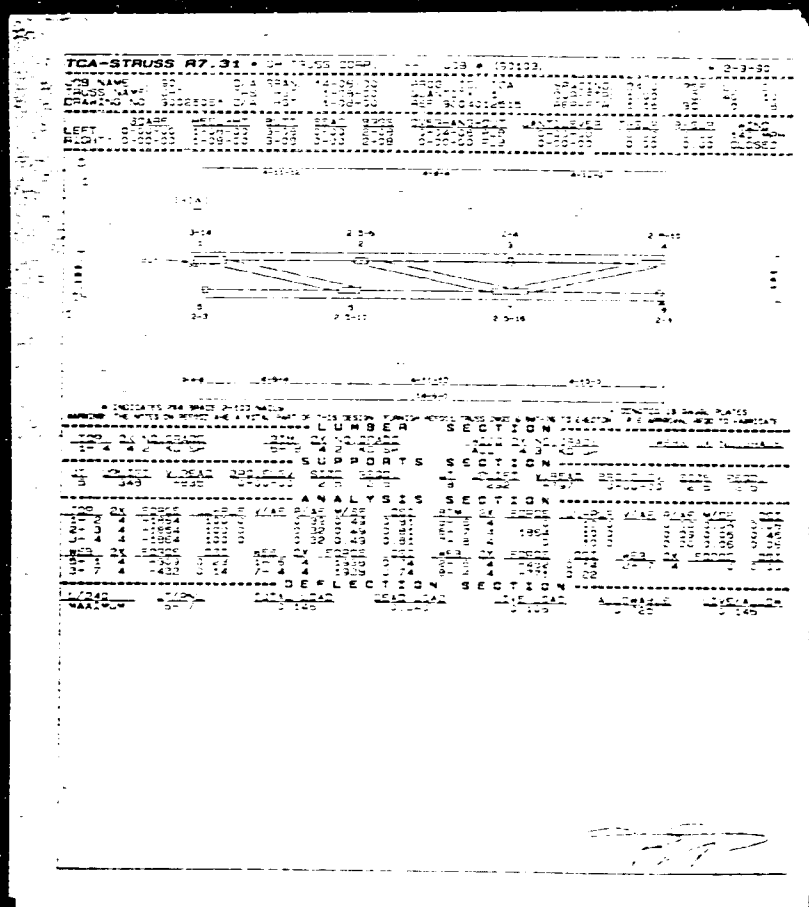


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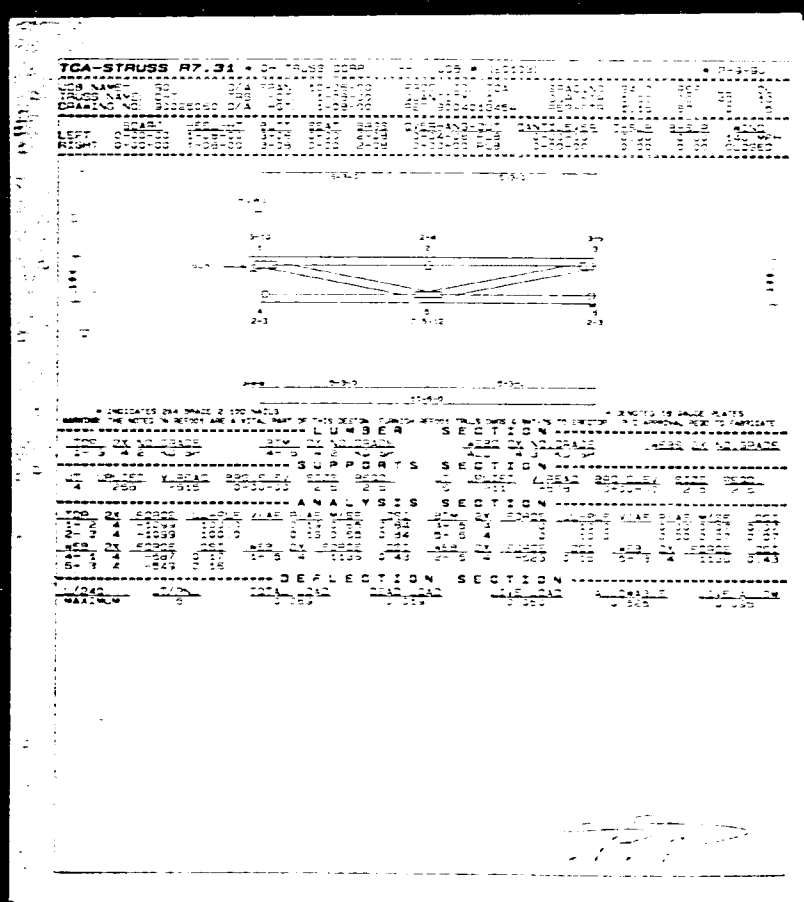
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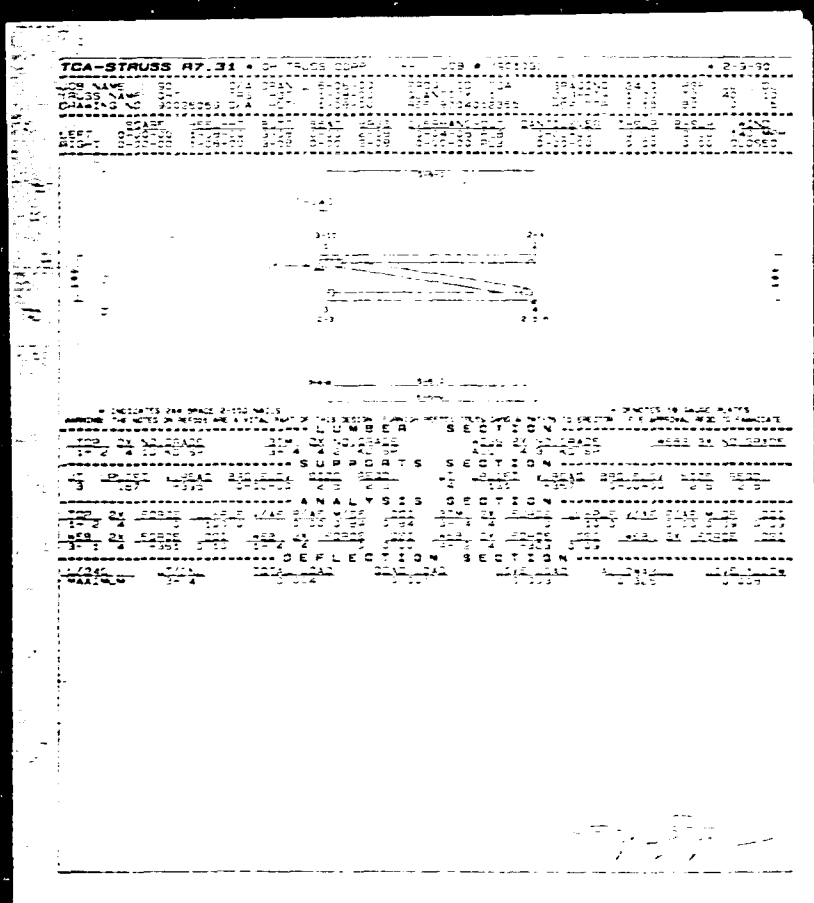




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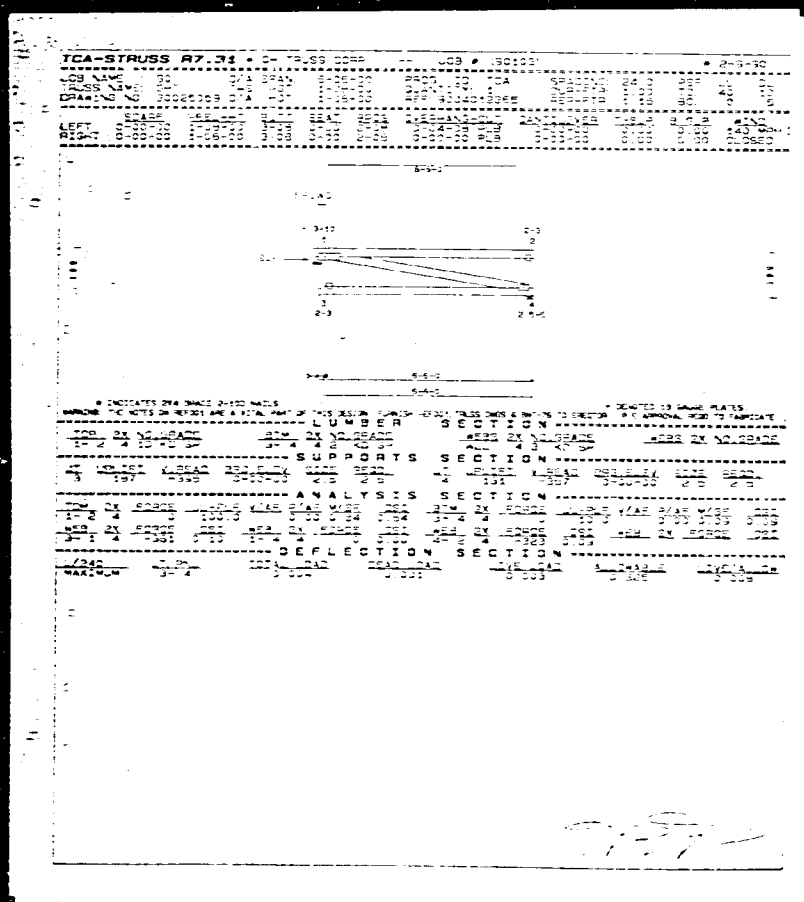






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TABLE 1

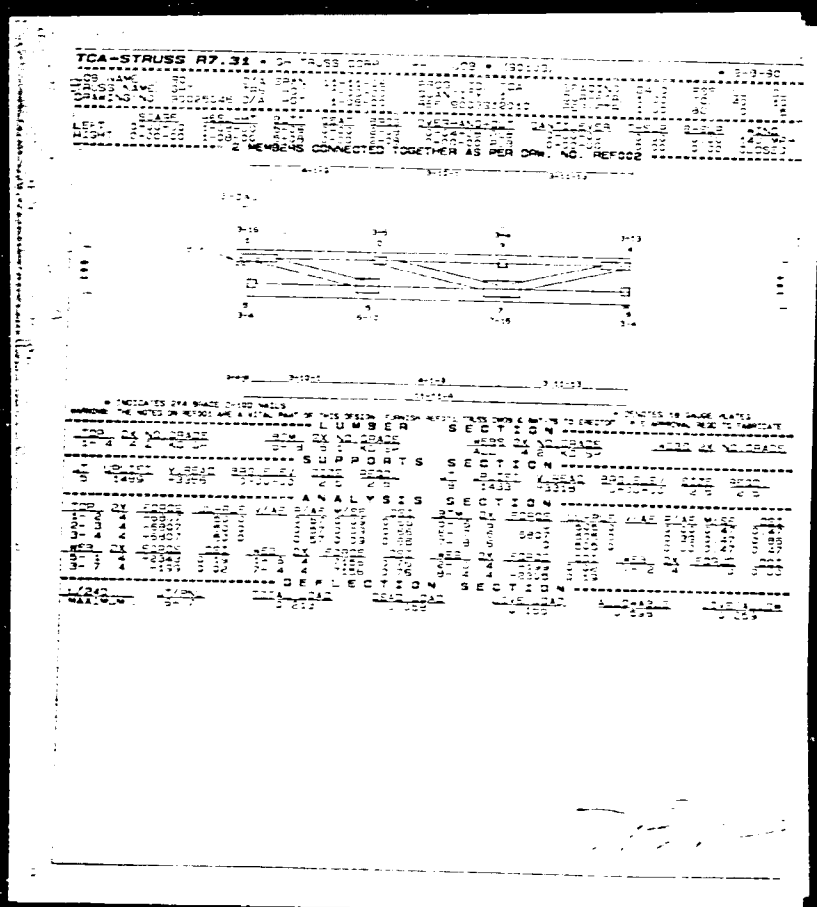
Station	Time	Temp	Humidity	Wind	Pressure	Clouds
1	0800	22.0	75	10	1010	0
2	0900	23.0	78	12	1010	0
3	1000	24.0	80	15	1010	0
4	1100	25.0	82	18	1010	0
5	1200	26.0	85	20	1010	0
6	1300	27.0	88	22	1010	0
7	1400	28.0	90	25	1010	0
8	1500	29.0	92	28	1010	0
9	1600	30.0	95	30	1010	0
10	1700	31.0	98	32	1010	0
11	1800	32.0	100	35	1010	0
12	1900	33.0	100	38	1010	0
13	2000	34.0	100	40	1010	0
14	2100	35.0	100	42	1010	0
15	2200	36.0	100	45	1010	0
16	2300	37.0	100	48	1010	0
17	0000	38.0	100	50	1010	0
18	0100	39.0	100	52	1010	0
19	0200	40.0	100	55	1010	0
20	0300	41.0	100	58	1010	0
21	0400	42.0	100	60	1010	0
22	0500	43.0	100	62	1010	0
23	0600	44.0	100	65	1010	0
24	0700	45.0	100	68	1010	0

TABLE 2

Station	Time	Temp	Humidity	Wind	Pressure	Clouds
1	0800	22.0	75	10	1010	0
2	0900	23.0	78	12	1010	0
3	1000	24.0	80	15	1010	0
4	1100	25.0	82	18	1010	0
5	1200	26.0	85	20	1010	0
6	1300	27.0	88	22	1010	0
7	1400	28.0	90	25	1010	0
8	1500	29.0	92	28	1010	0
9	1600	30.0	95	30	1010	0
10	1700	31.0	98	32	1010	0
11	1800	32.0	100	35	1010	0
12	1900	33.0	100	38	1010	0
13	2000	34.0	100	40	1010	0
14	2100	35.0	100	42	1010	0
15	2200	36.0	100	45	1010	0
16	2300	37.0	100	48	1010	0
17	0000	38.0	100	50	1010	0
18	0100	39.0	100	52	1010	0
19	0200	40.0	100	55	1010	0
20	0300	41.0	100	58	1010	0
21	0400	42.0	100	60	1010	0
22	0500	43.0	100	62	1010	0
23	0600	44.0	100	65	1010	0
24	0700	45.0	100	68	1010	0

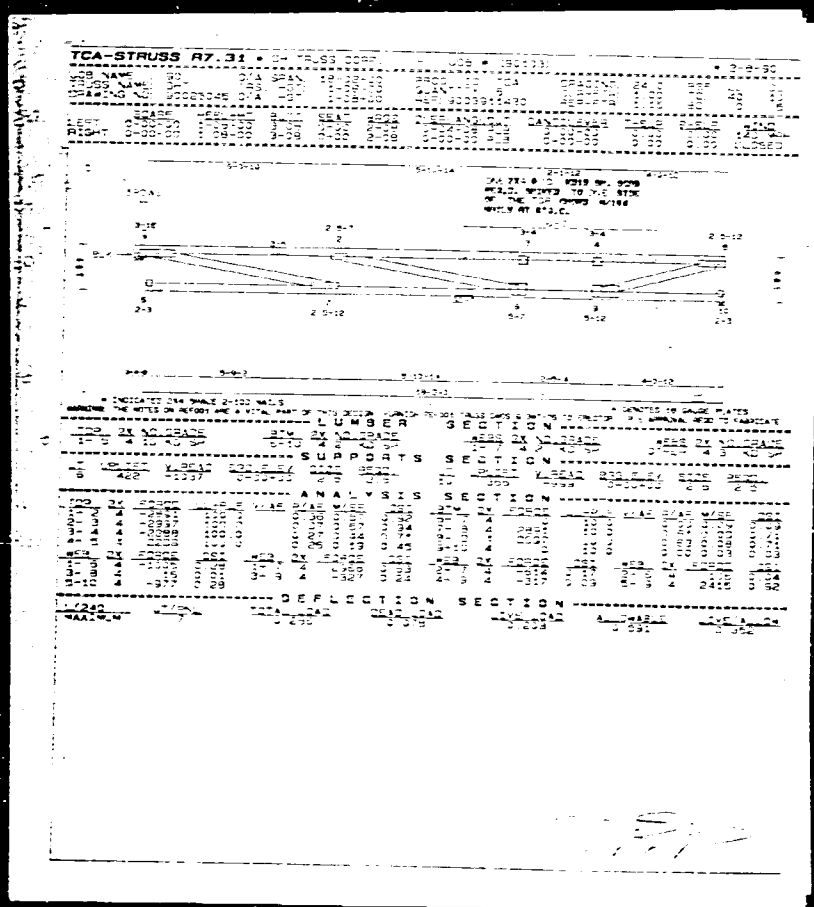
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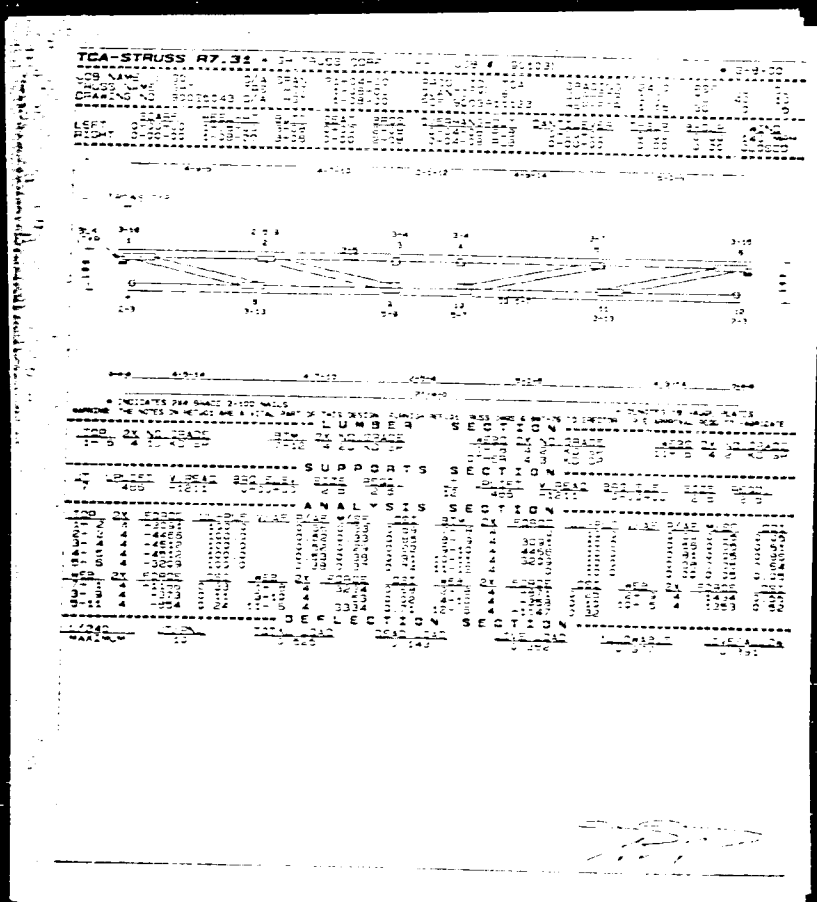


TABLE 1 - SUMMARY OF RESULTS							
Section	Yield (lb/acre)	Moisture (%)	Moisture-corrected yield (lb/acre)	Harvest index (%)	Plant height (in)	Number of seeds/plant	Seeds/plant (lb)
Control	1000	18	1300	25	30	1000	1000
1.5	1200	18	1560	30	35	1200	1200
3.0	1400	18	1820	35	40	1400	1400
4.5	1600	18	2080	40	45	1600	1600
6.0	1800	18	2340	45	50	1800	1800
7.5	2000	18	2600	50	55	2000	2000
9.0	2200	18	2860	55	60	2200	2200
10.5	2400	18	3120	60	65	2400	2400
12.0	2600	18	3380	65	70	2600	2600

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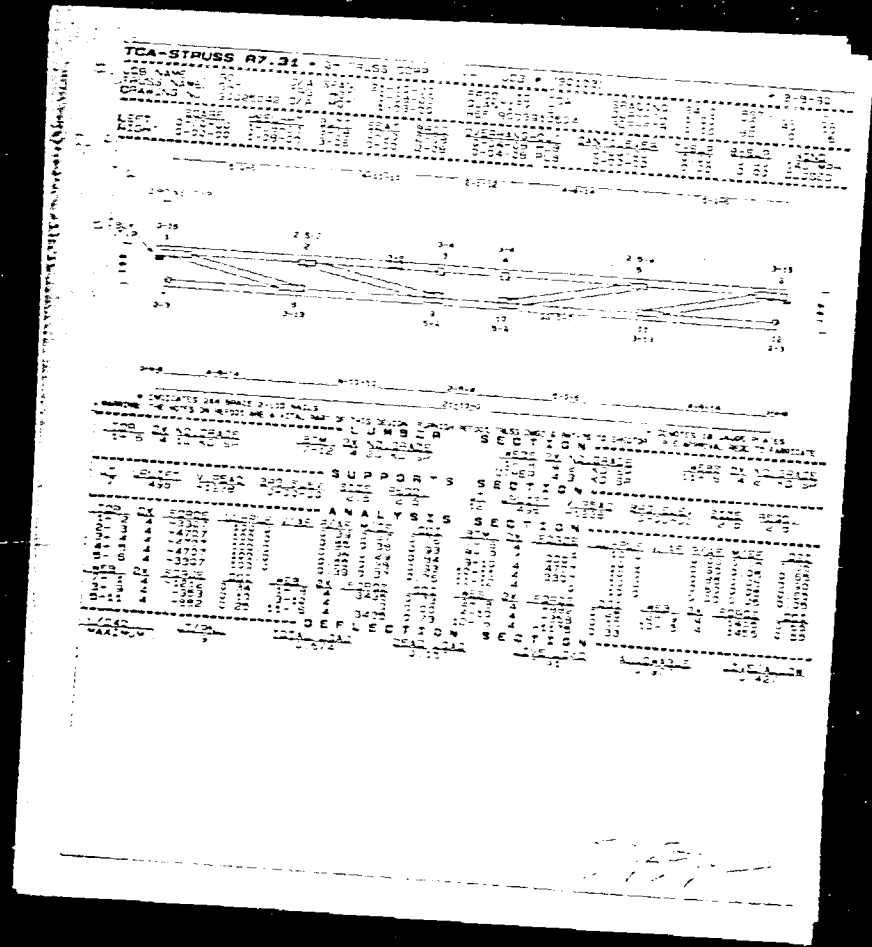


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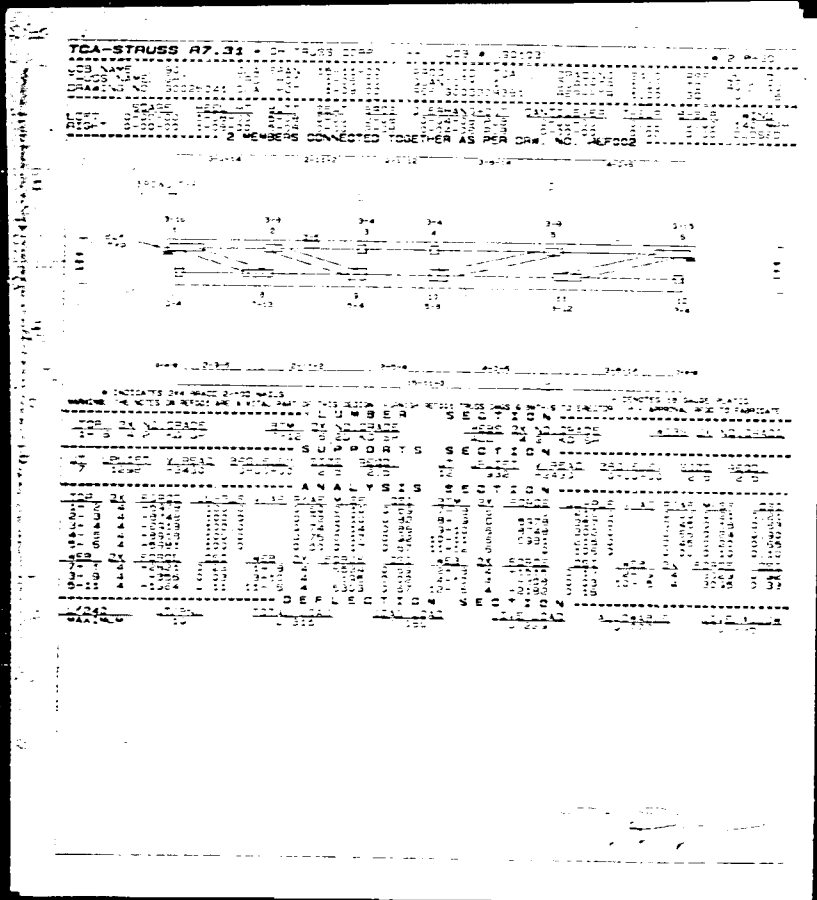
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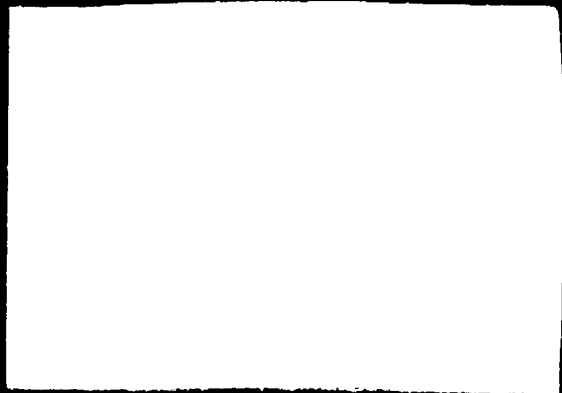


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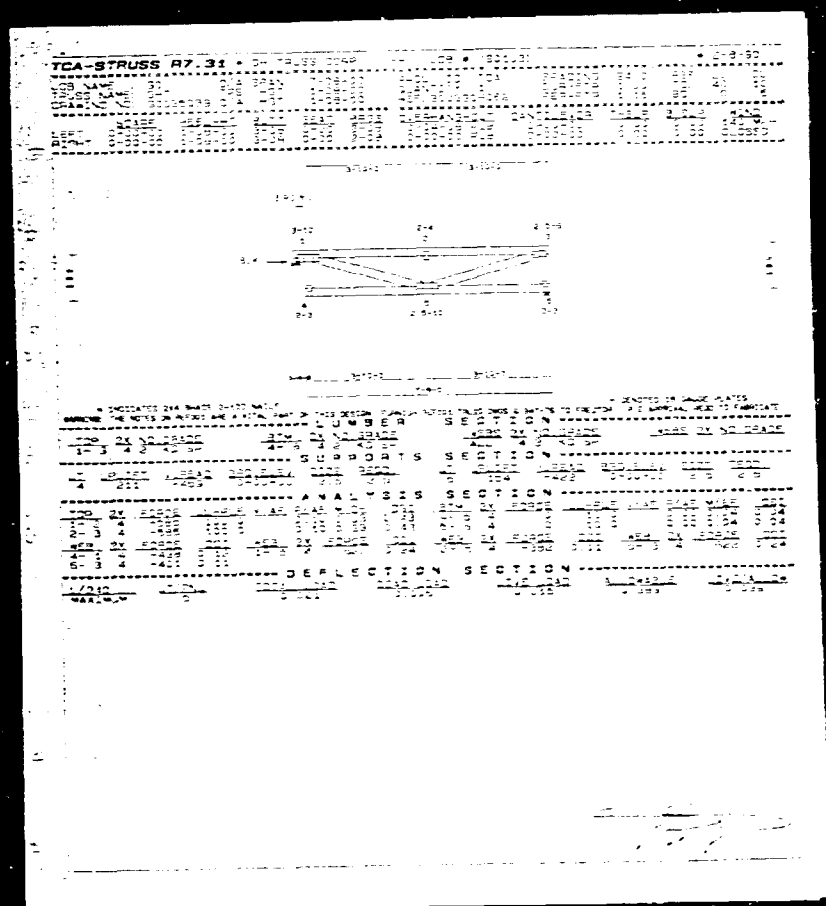




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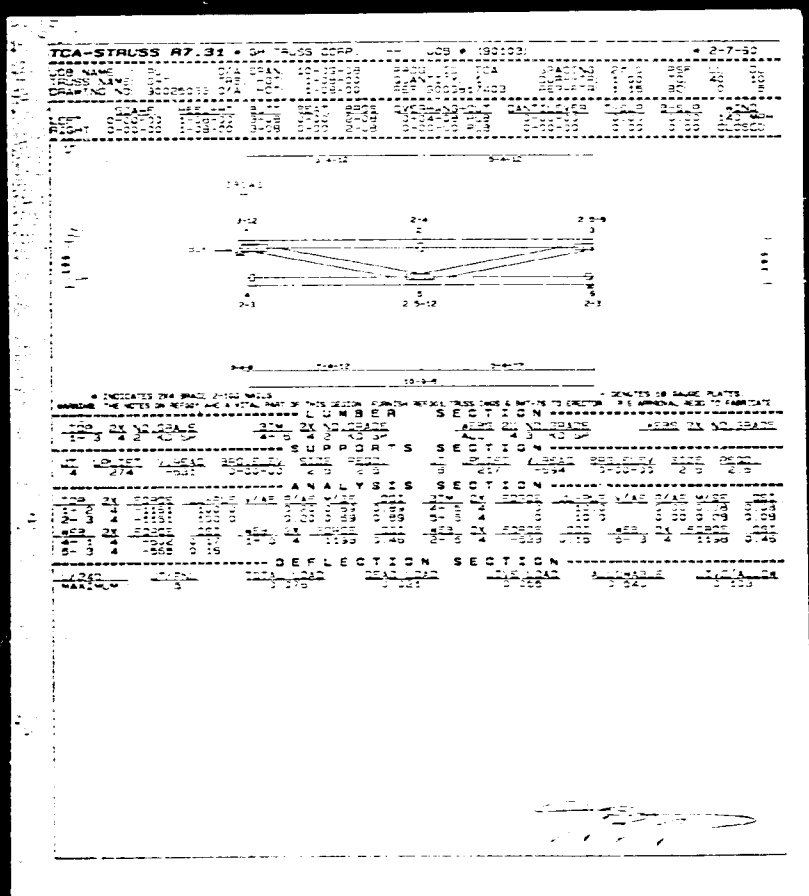




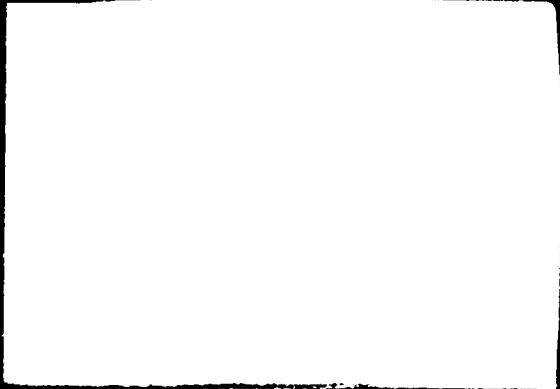


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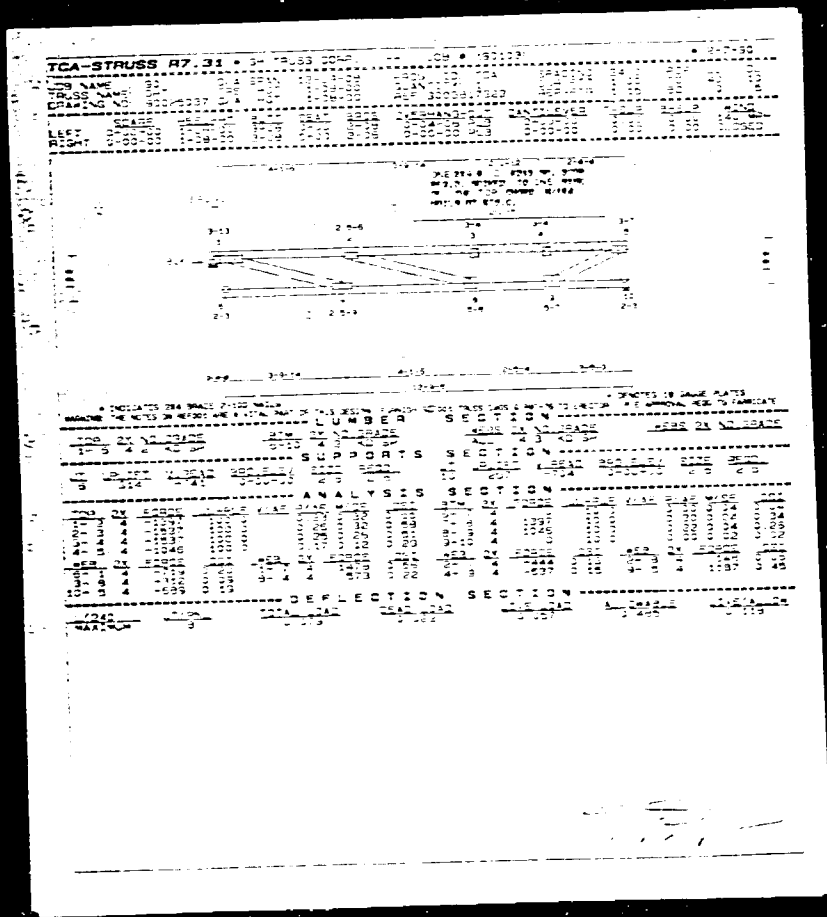




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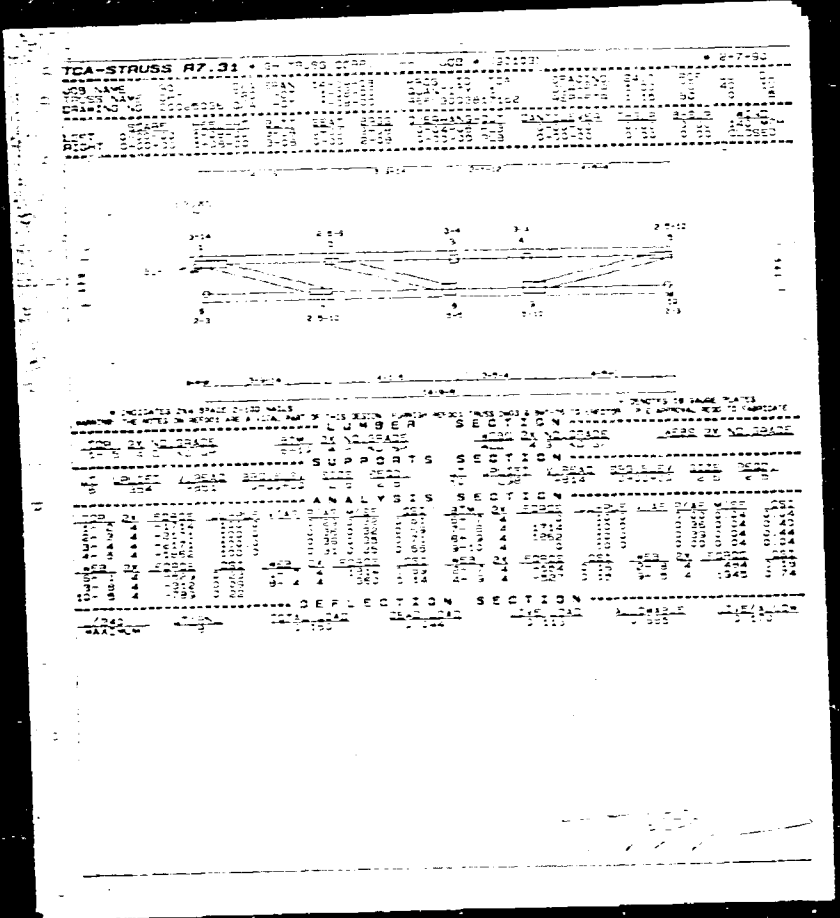


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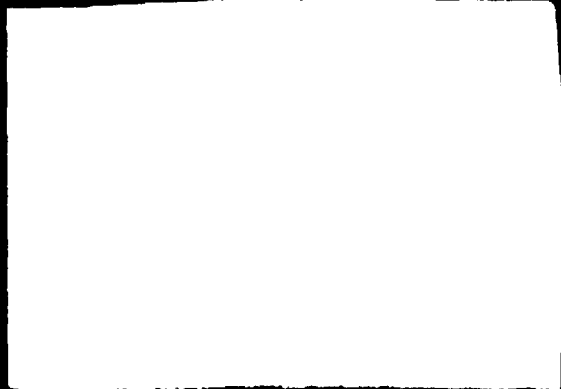


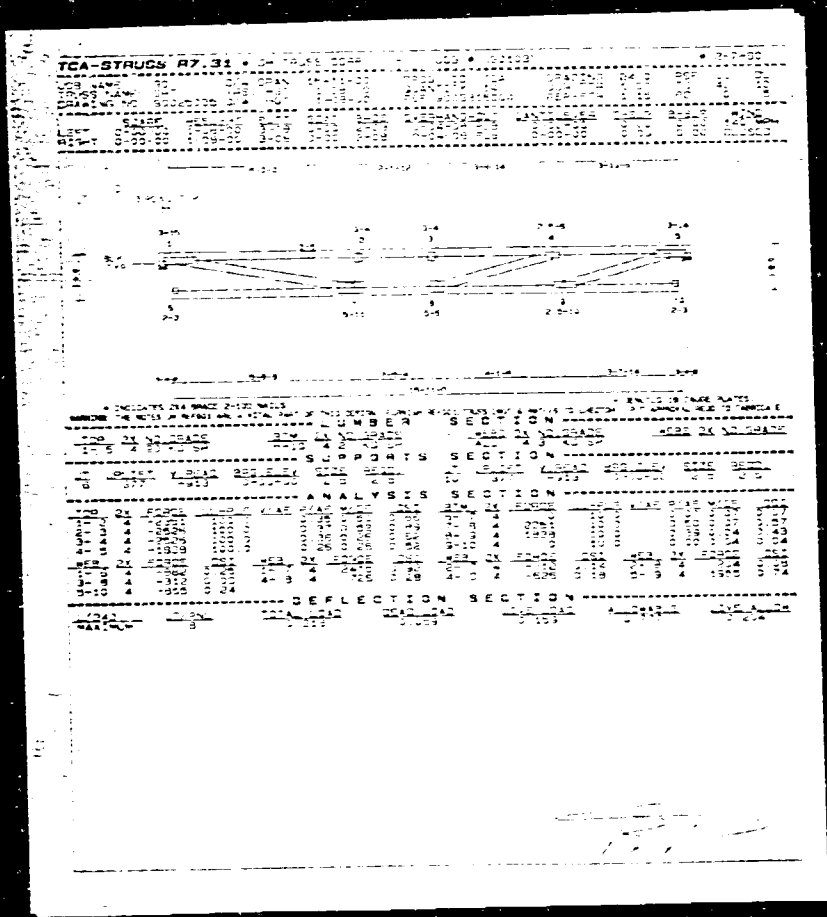
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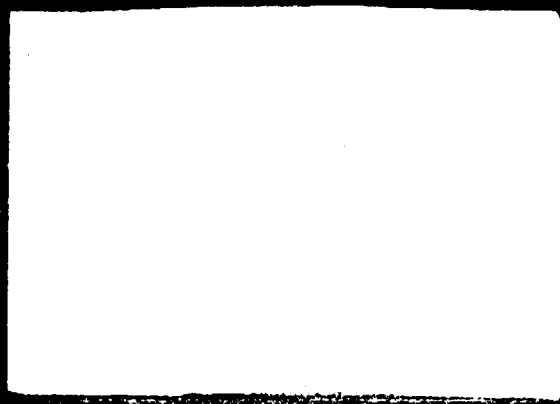


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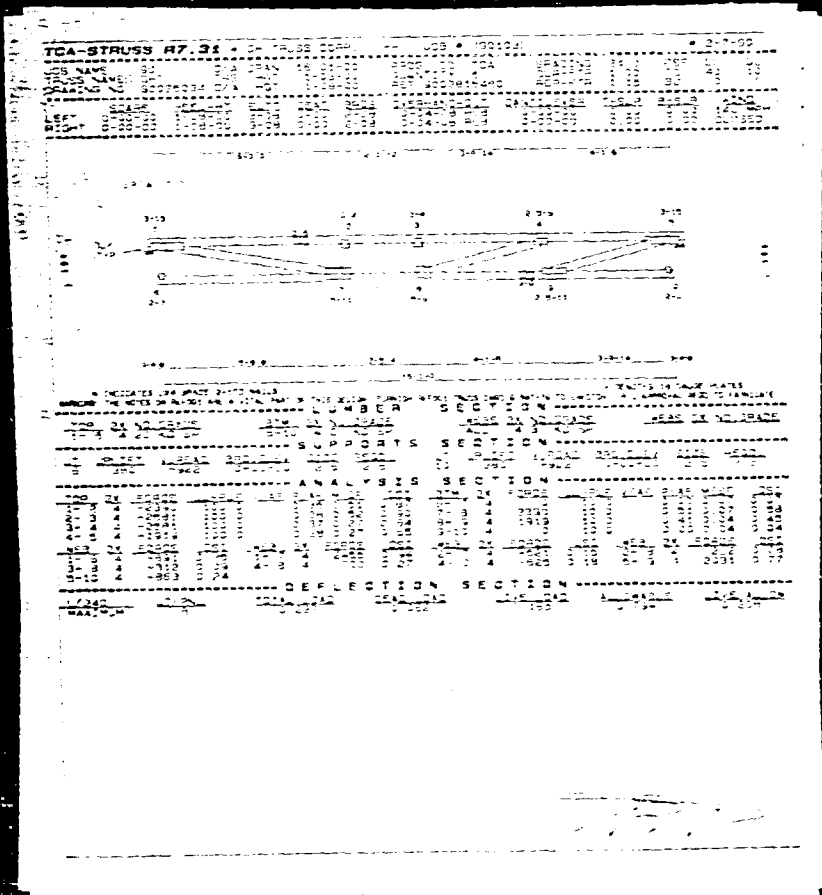


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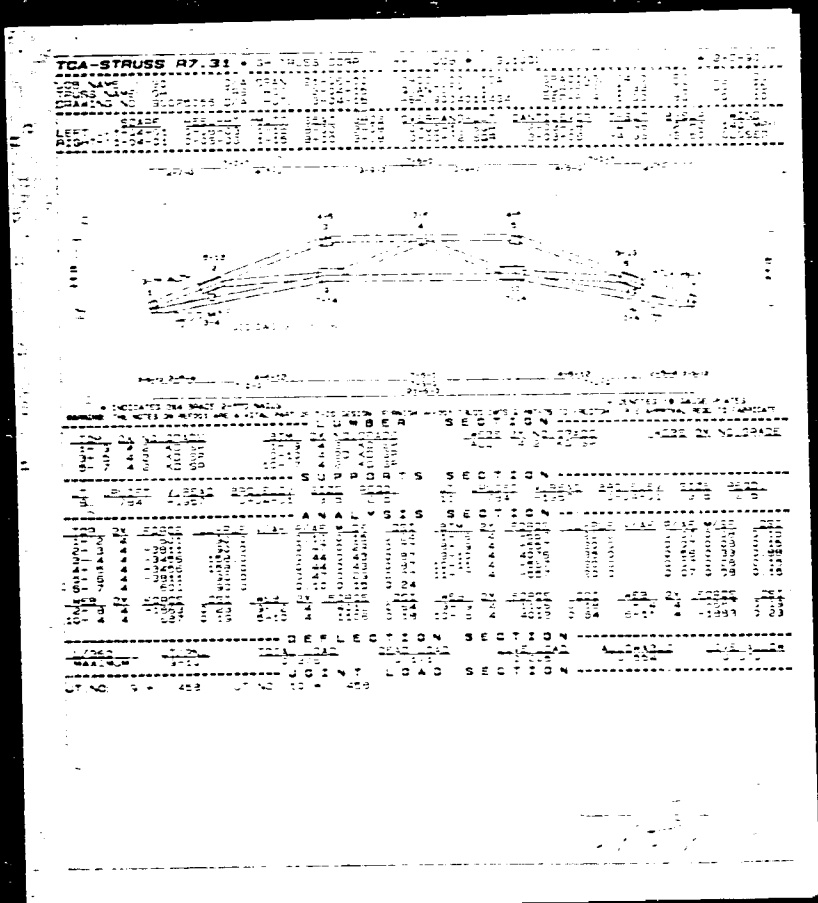




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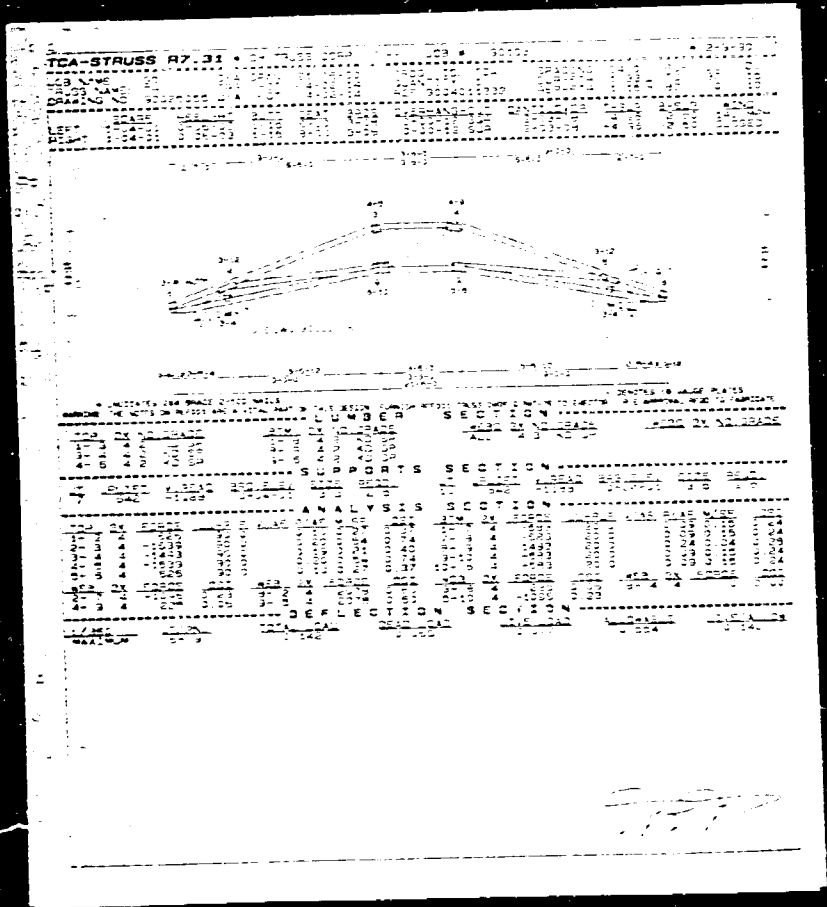


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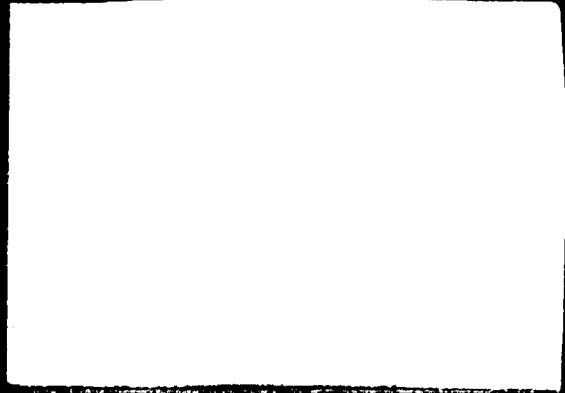


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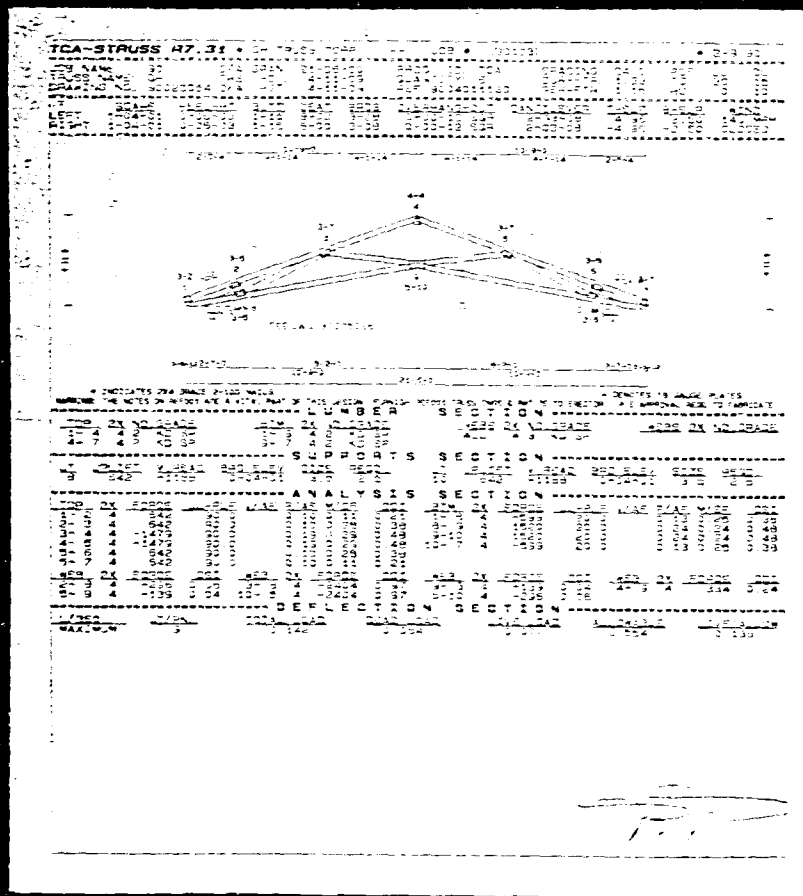




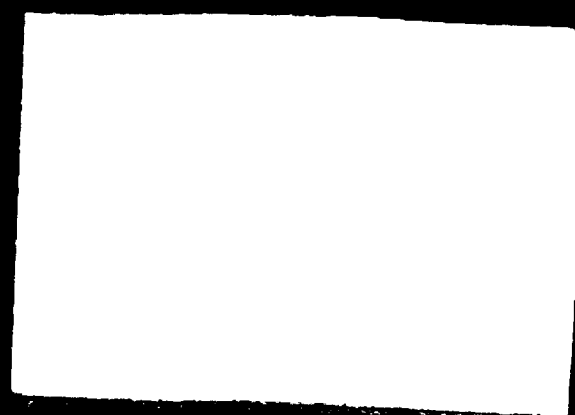
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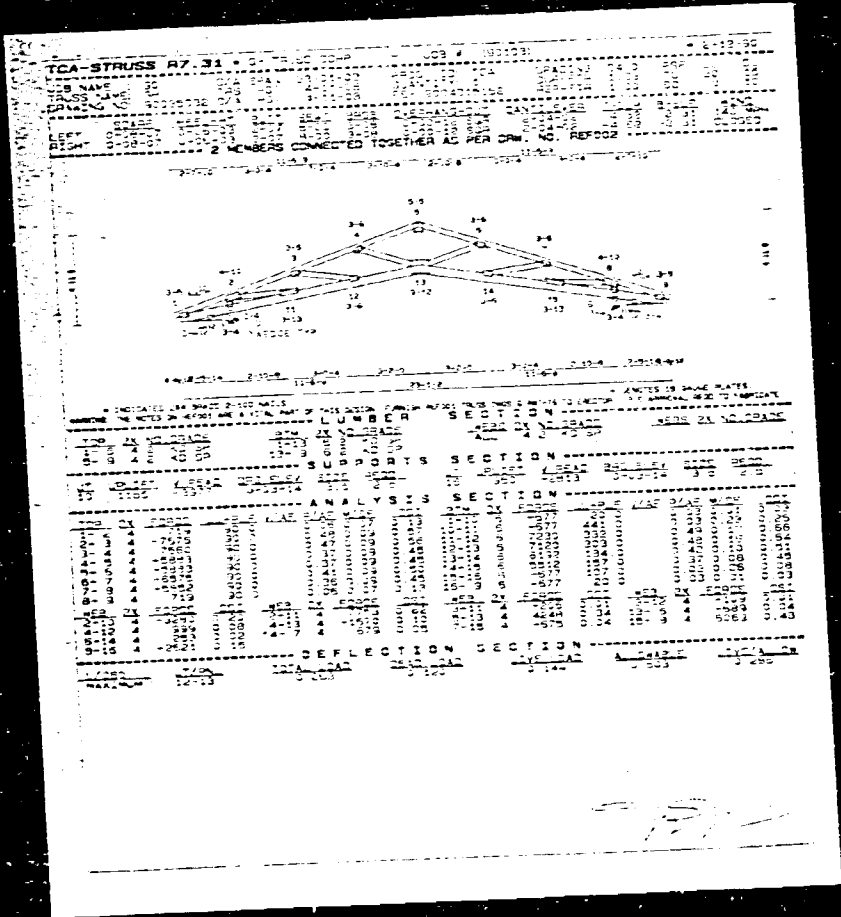


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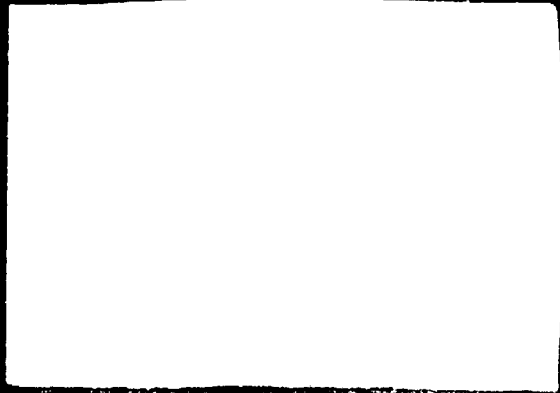


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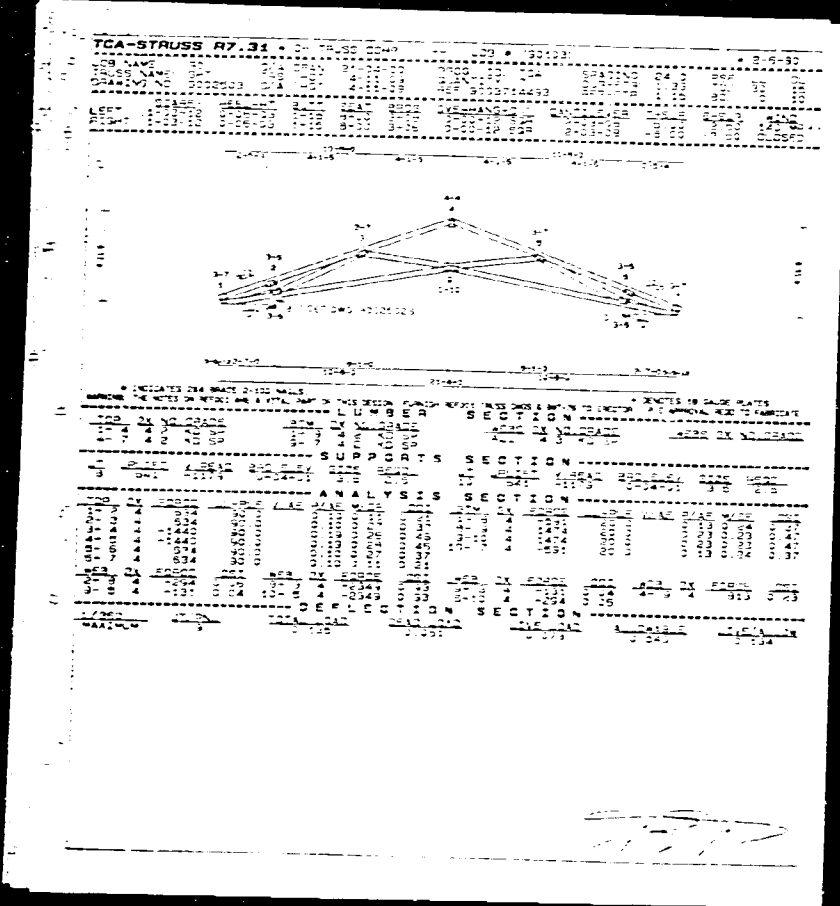




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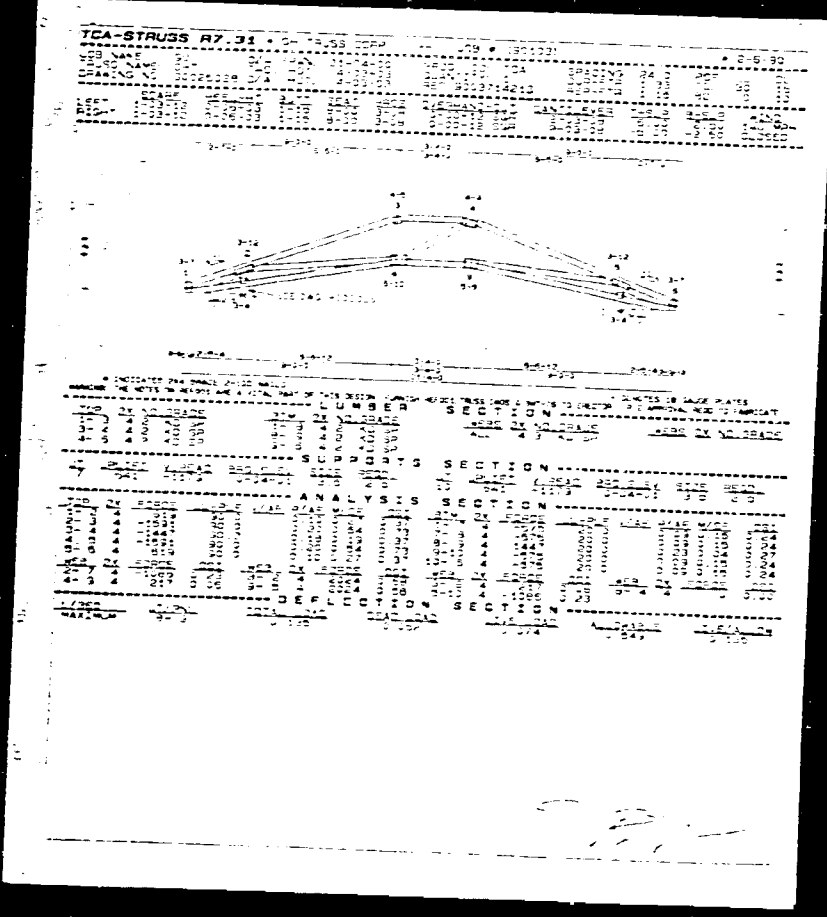


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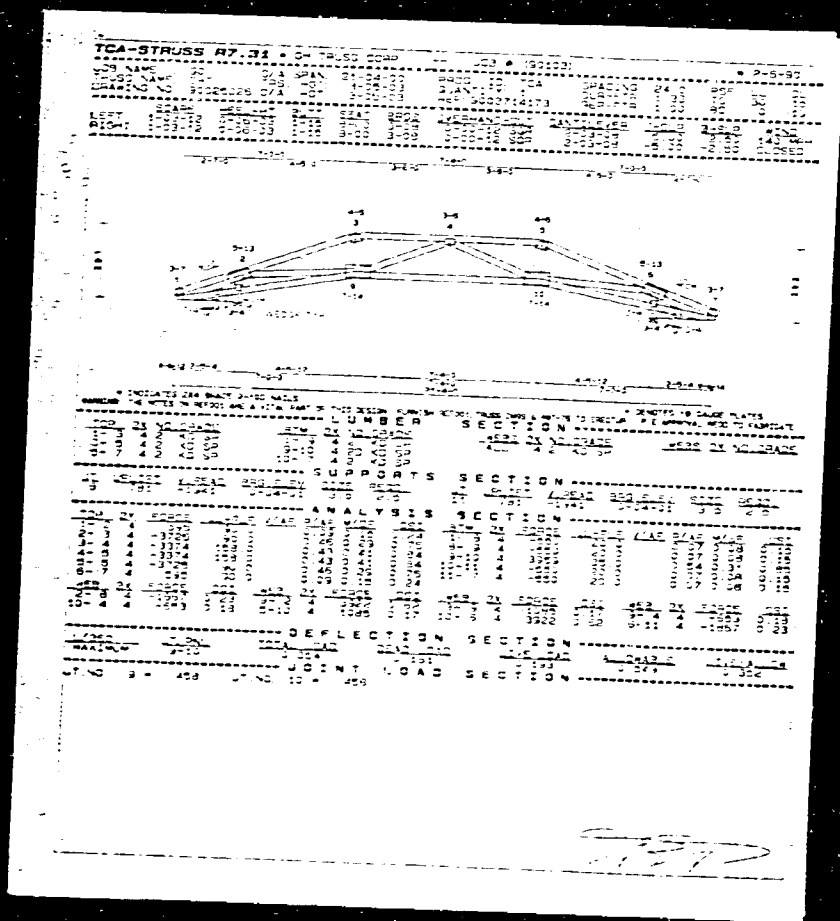
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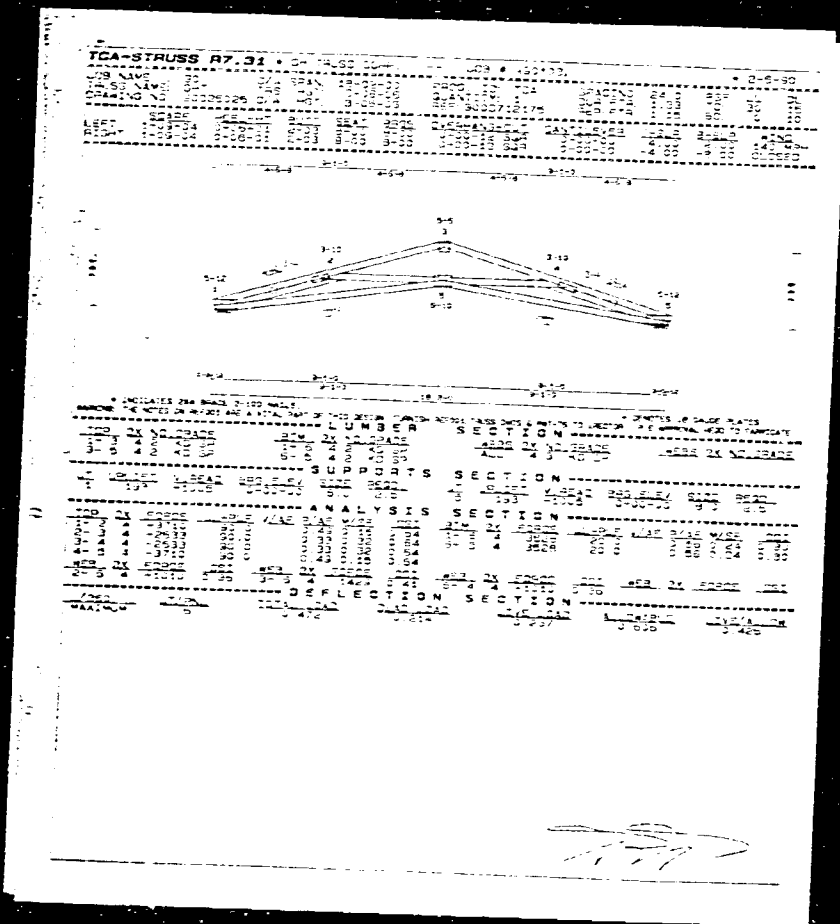




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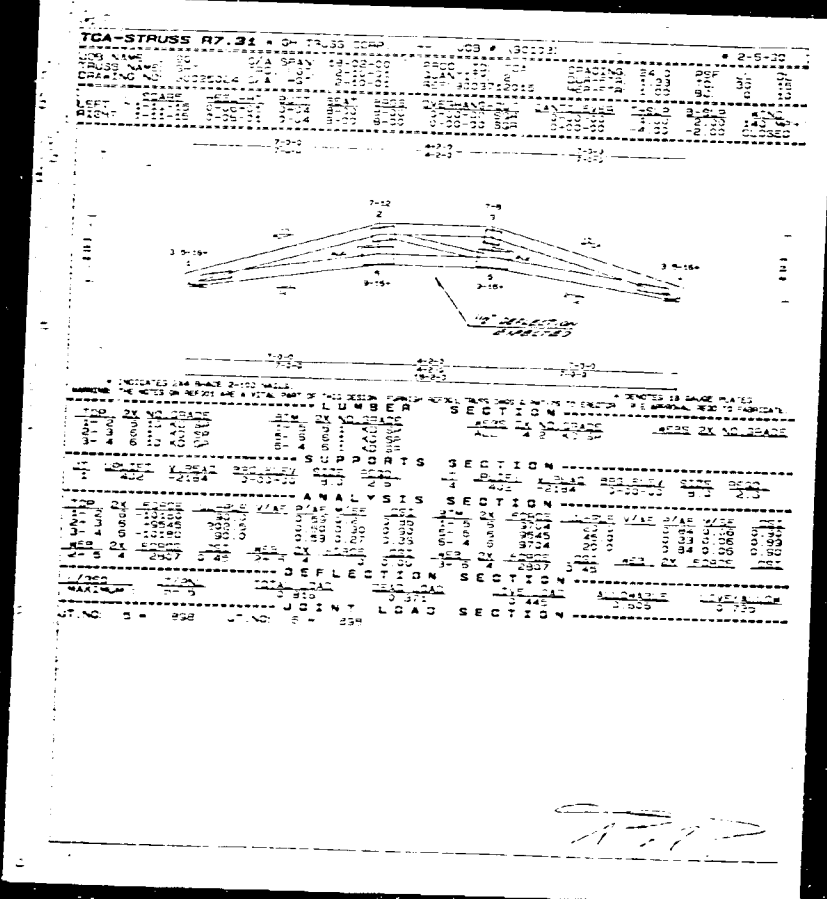




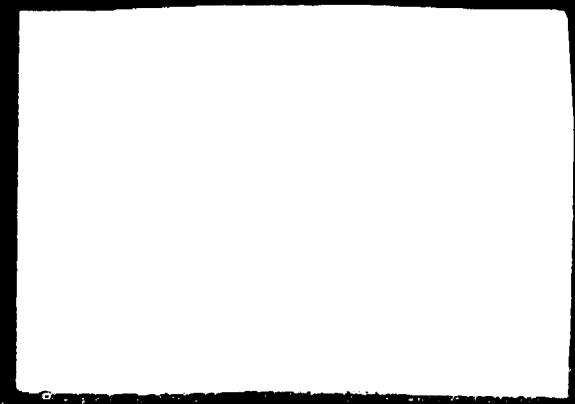


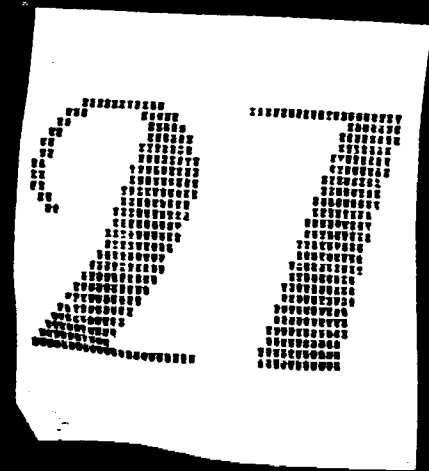
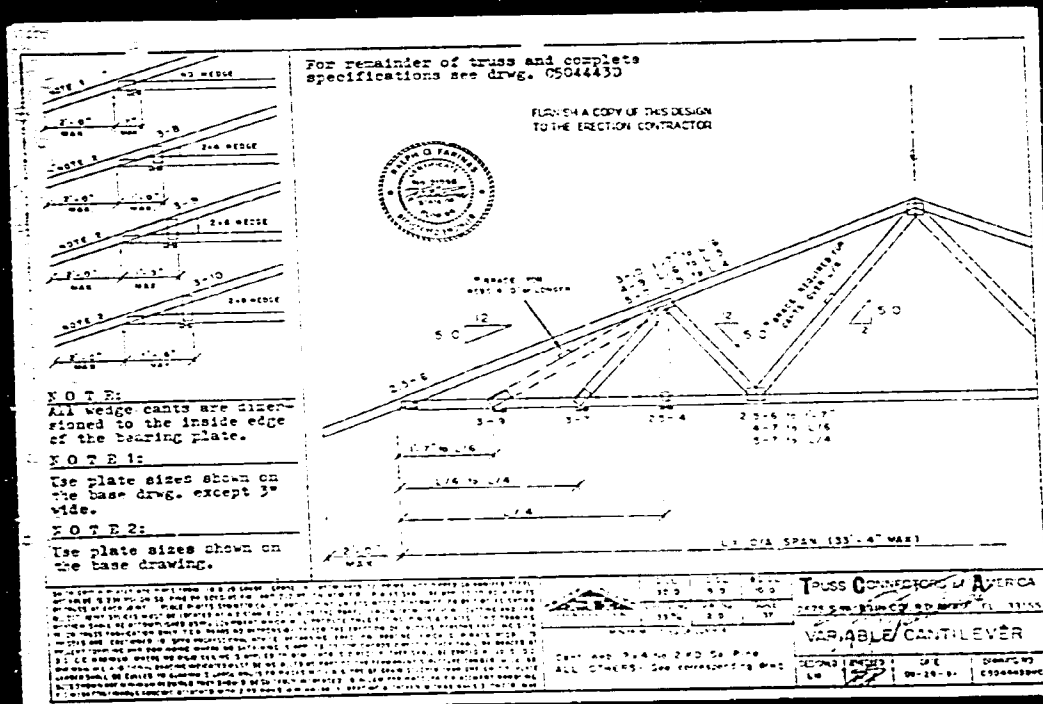
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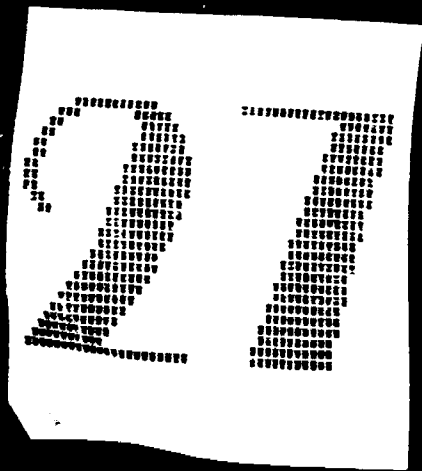
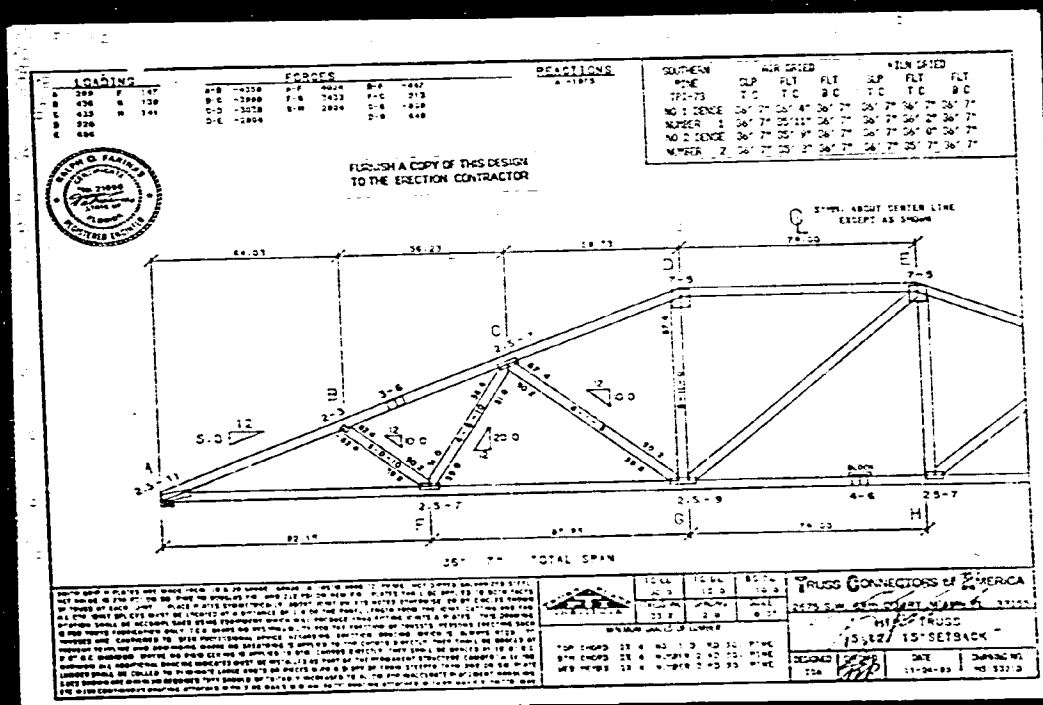


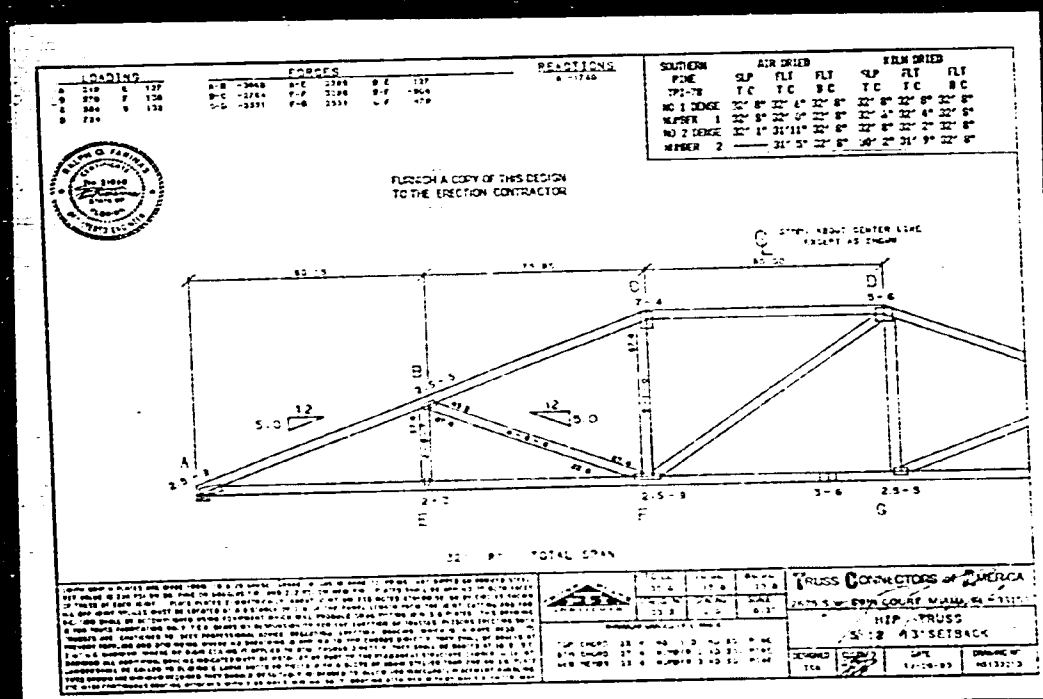


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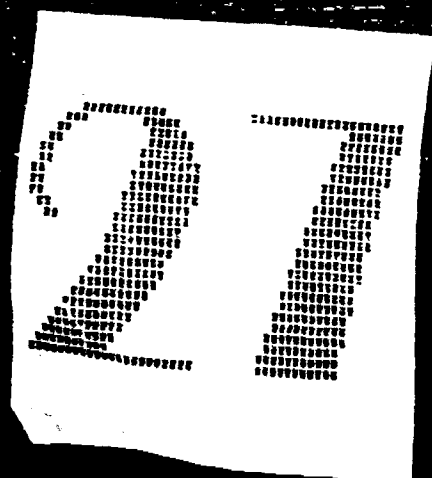
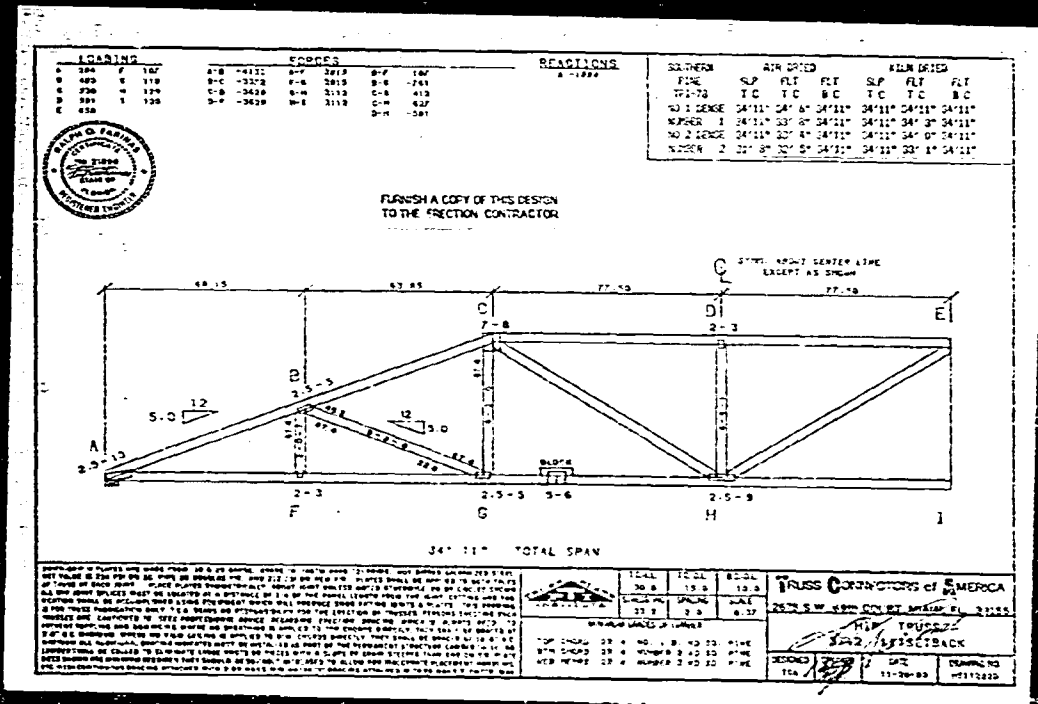


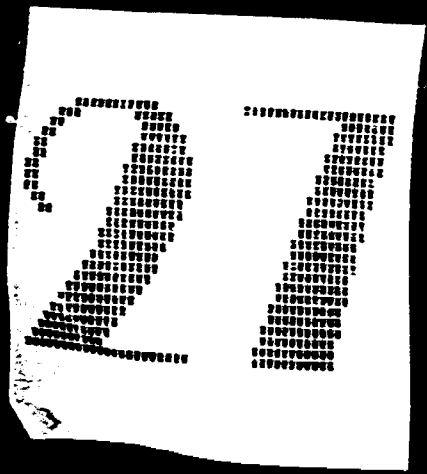
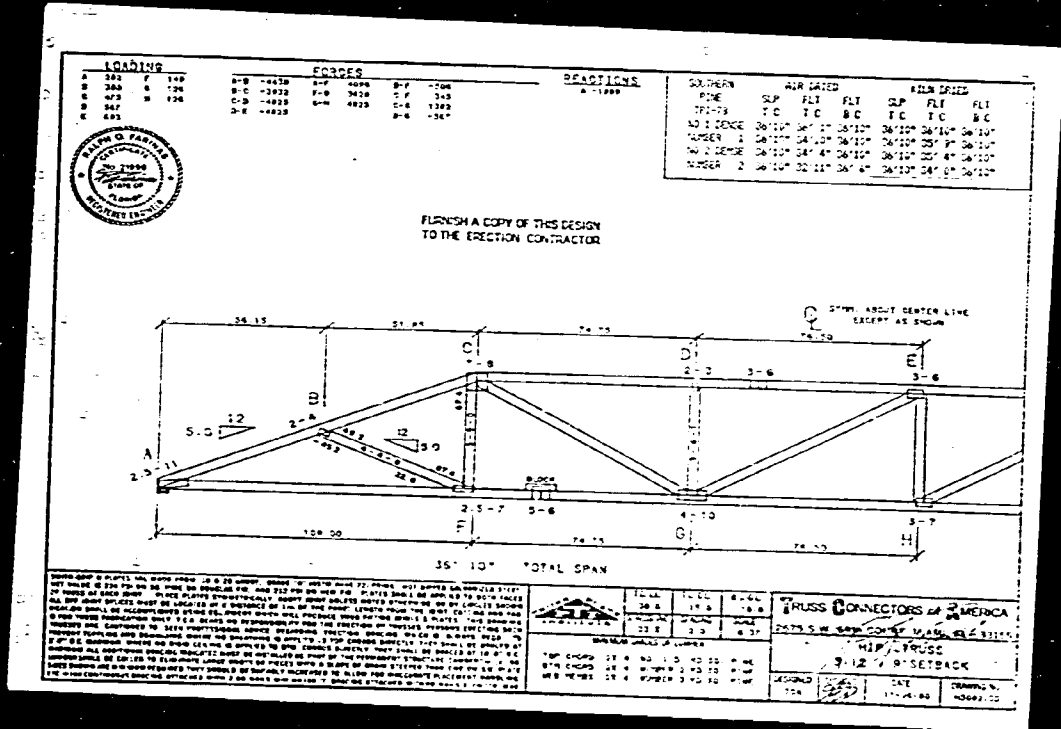


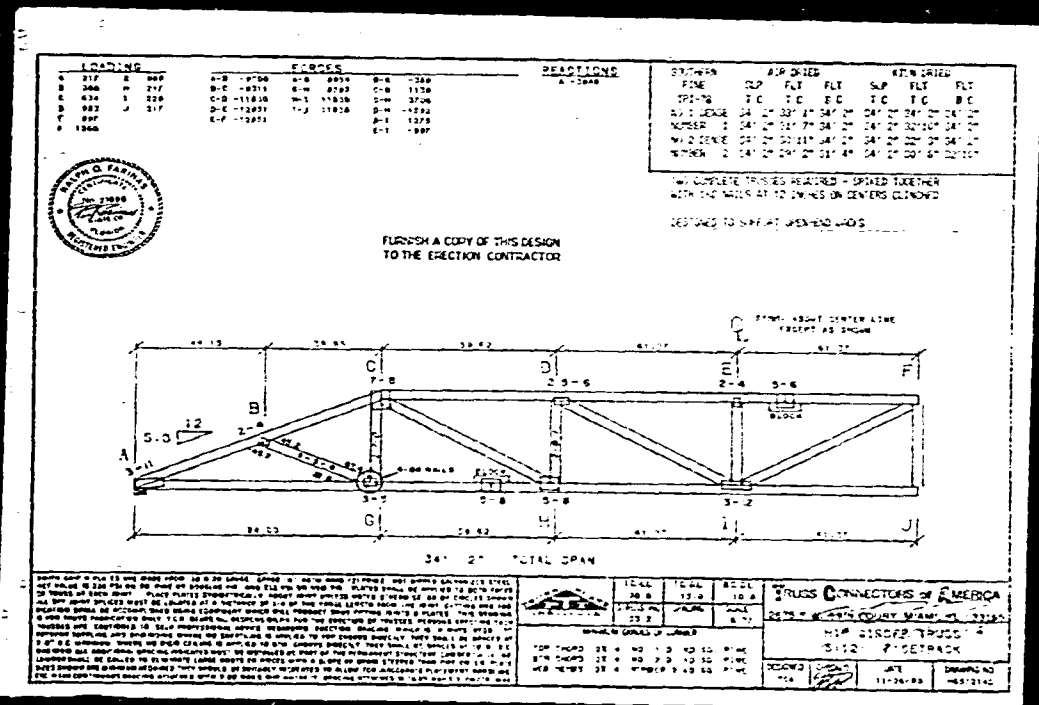


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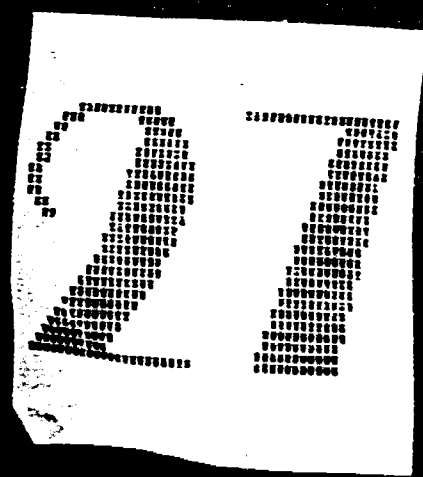
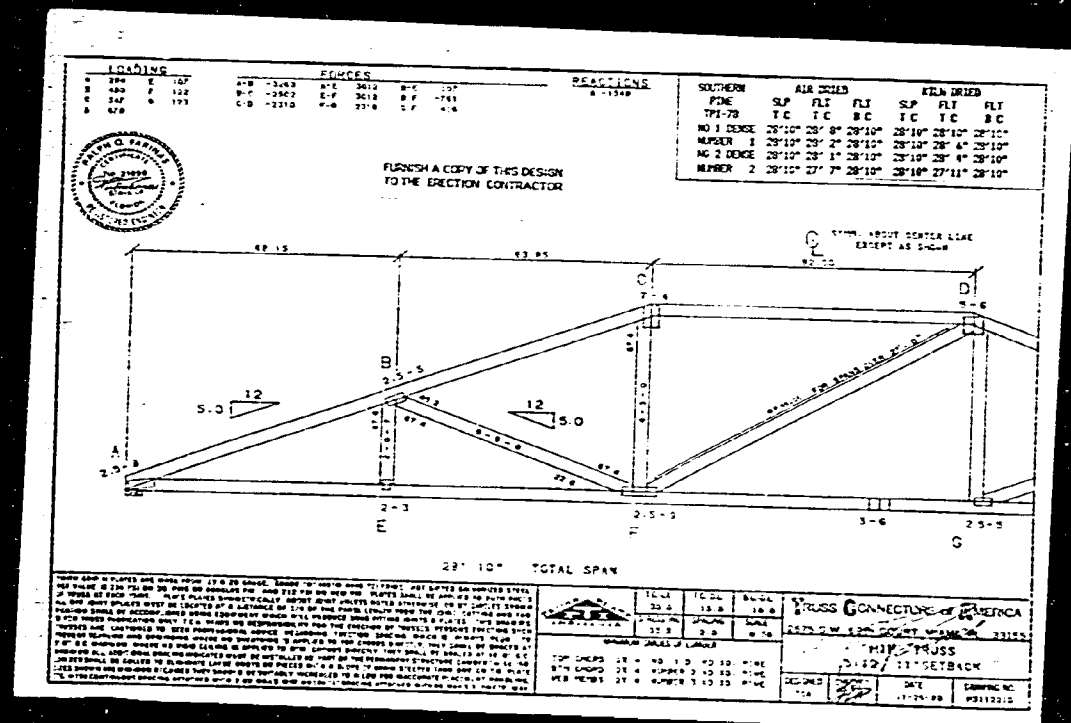


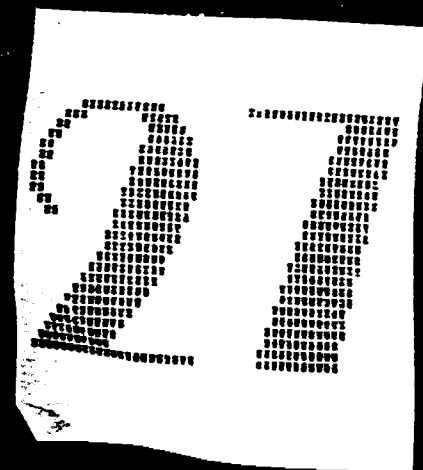
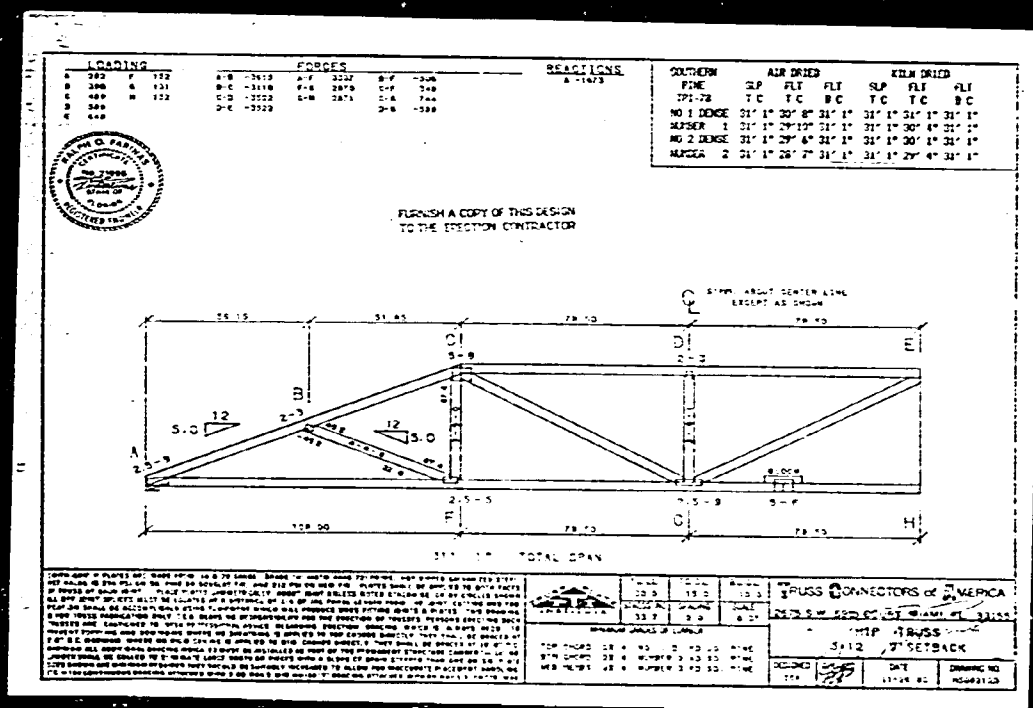


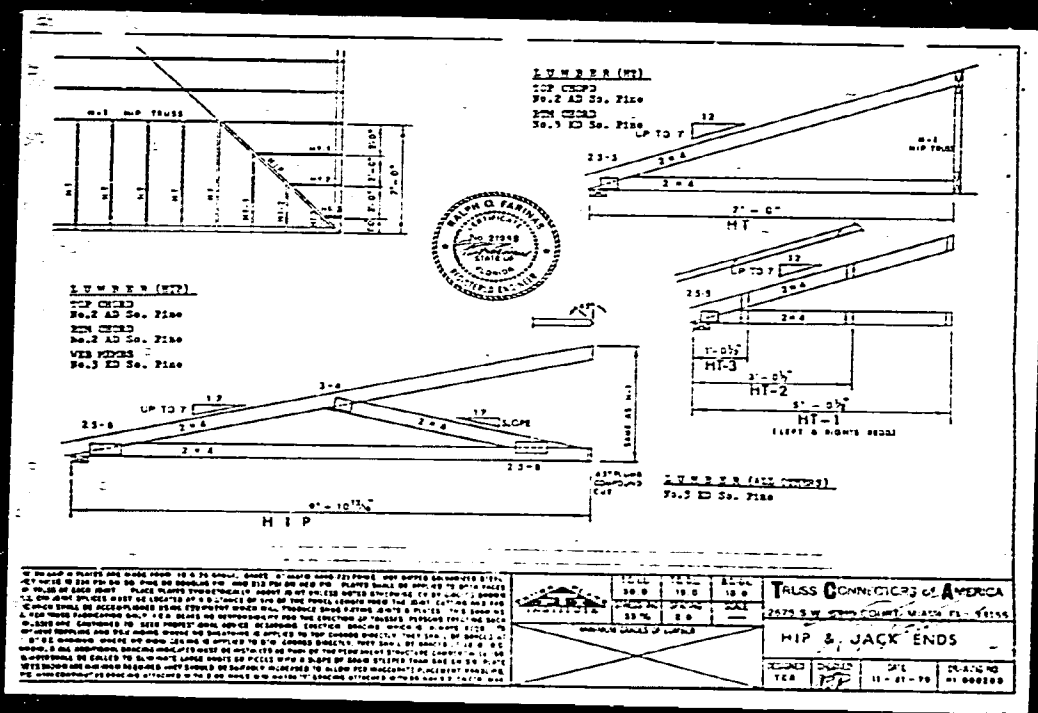
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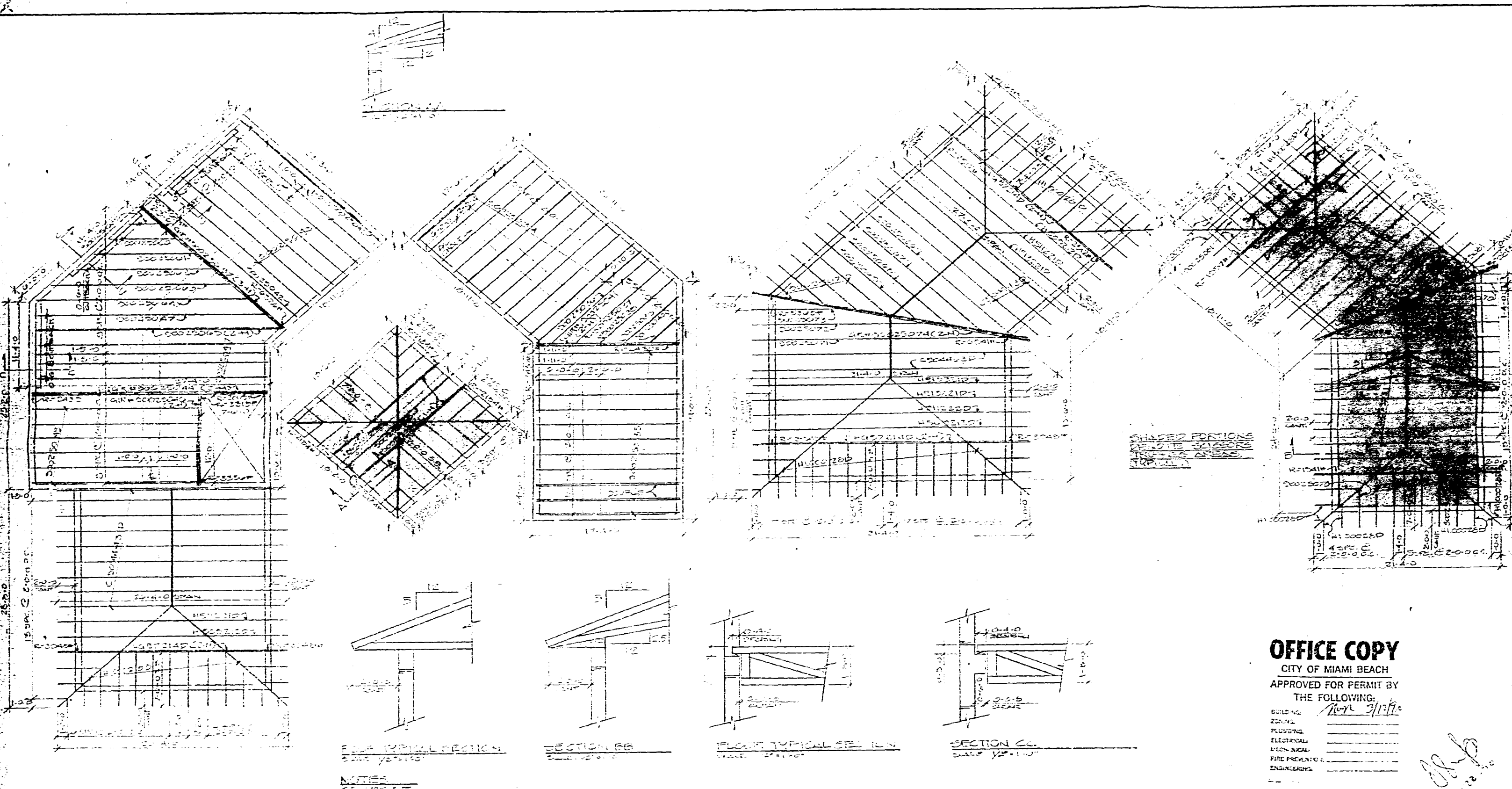






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**OFFICE COPY**  
 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING: *11-11*  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 FIRE PREVENTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_

<p>ALL DIMENSIONS AND TRUSS PLACEMENT PLAN MUST BE CHECKED BY BUYER BEFORE FABRICATION OF TRUSSES</p> <p>TRUSSES MAY NOT BEAR ON ANY INTERIOR WALL OR PARTITION UNLESS DESIGNED FOR SAME. DO NOT CUT OR ALTER TRUSSES WITHOUT AUTHORIZATION FROM MANUFACTURER. NO CLIPS OR BRACKETS WILL BE HONORED IF NOT MADE WITHIN 24 HOURS FOLLOWING DELIVERY.</p>	<p>FIELD BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS FABRICATOR. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT TIPPING AND TOWING DURING ERECTION AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. TRUSSES SHALL BE ERRECTED AND FASTENED IN A STRAIGHT AND PLUMB POSITION. WHERE NO BRACING IS APPLIED DIRECTLY TO TOP CHORDS THEY SHALL BE BRACED AT 3'-0" O.C. MAX. WHERE NO RIGID CEILING IS APPLIED DIRECTLY TO BOTTOM CHORDS, THEY SHALL BE BRACED AT 10'-0" O.C. MAXIMUM.</p>	<p><b>G TRUSS CORPORATION</b></p> <p>1000 S.W. 10th St.    Miami, Florida 33135    Phone: (305) 371-1111    Fax: (305) 371-1112</p>	<p><b>GLASS DESIGN DEVELOPMENT INC</b></p> <p>1000 S.W. 10th St.    Miami, Florida 33135    Phone: (305) 371-1111    Fax: (305) 371-1112</p>	<p>TRUSS PLACEMENT PLAN</p> <p>DATE: 11-11-11    DRAWN BY: [Signature]    CHECKED BY: [Signature]</p>
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**27**



CONSTRUCTION SERVICES DEPARTMENT  
ENGINEERING PLANS REVIEW

LEGAL DESCRIPTION: Lot 1, Block 2, La Grange Village  
 LEGAL ADDRESS: 51 La Grange Drive  
 PLAN DESCRIPTION: SWIMMING POOL

THE ABOVE PLAN SUBMITTED TO THIS DEPARTMENT MEETS THE FOLLOWING CONDITIONS:

GARBAGE FACILITIES: To use existing facilities.  
 SANITARY SEWER: To use existing facilities.  
 WATER: To use existing facilities.  
 DRAINAGE: Flow grade on lot should be to the rear side to neighboring properties. Retention pond on lot should be designed to collect surface water, to be treated on premises.  
 GRADES: As shown.  
 ENCROACHMENTS: None.  
 EASEMENTS: None.

PUBLIC SERVICES DEPARTMENT PERMITS REQUIRED FOR WORK DONE ON CITY PROPERTY:

COMMENTS: Public Services Department permit required for pool. See also conditions of completion required.

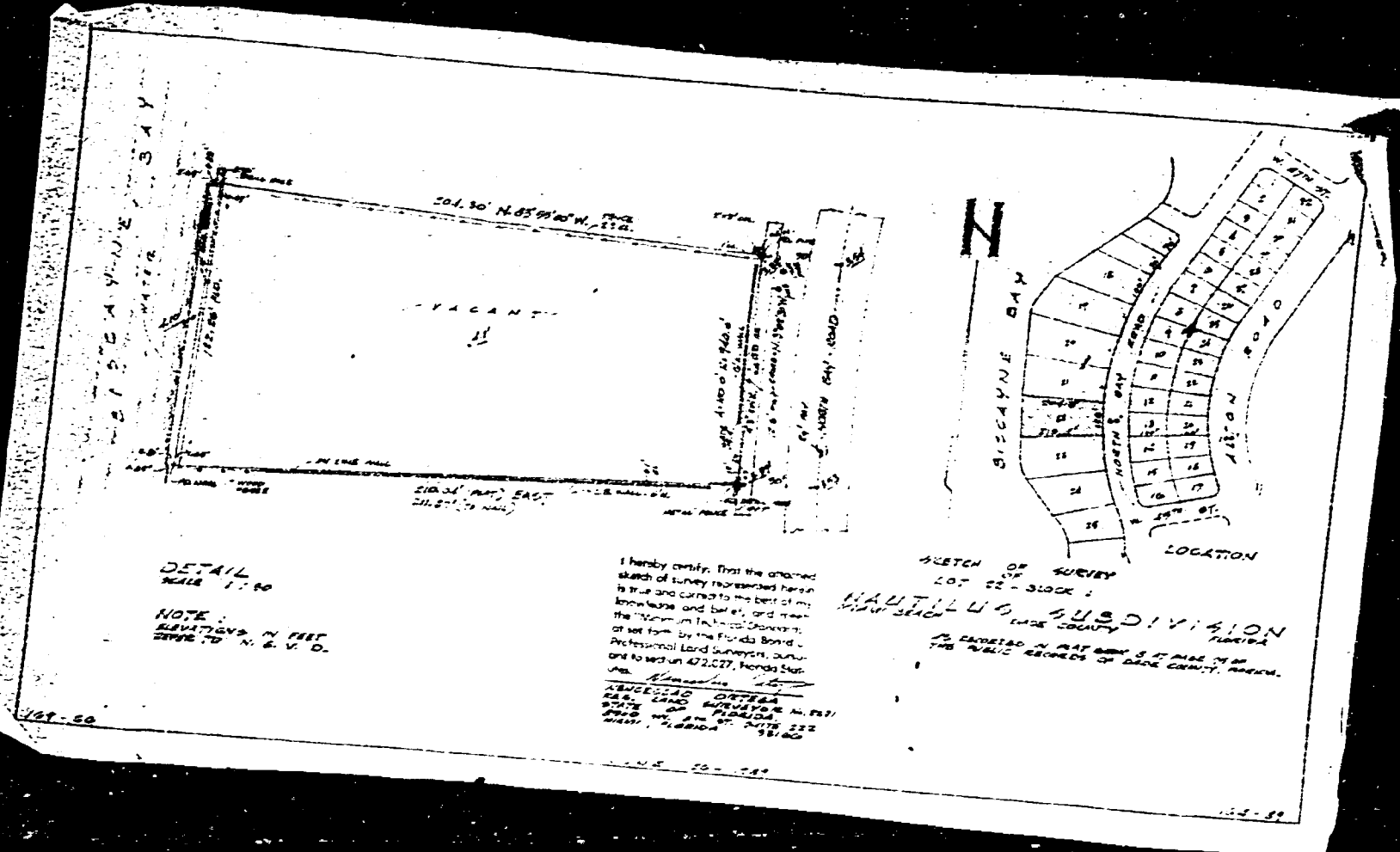
SIGNATURE: [Signature] COMPANY: [Signature] PHONE NO.: 500-7000

BY: [Signature] TITLE: [Signature] FULL NAME AND ADDRESS: CONSTRUCTION SERVICES DEPARTMENT

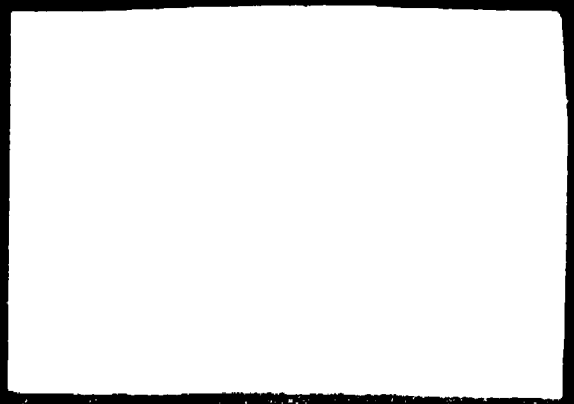
original plan review will be on file with the City Engineer's Office

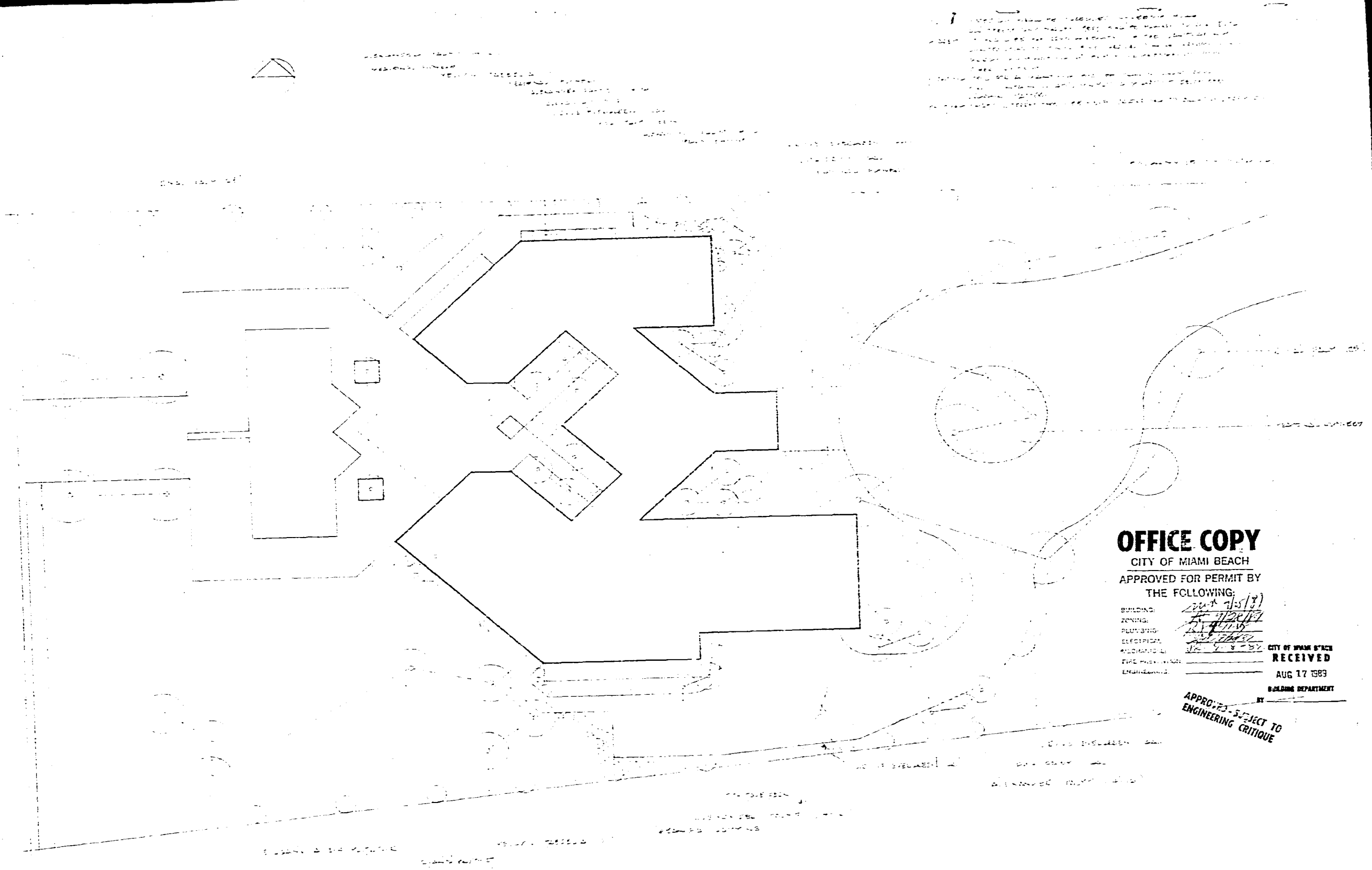
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**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING	<i>[Signature]</i>	CITY OF MIAMI BEACH
ZONING	<i>[Signature]</i>	RECEIVED
PLANNING	<i>[Signature]</i>	AUG 17 1983
ENGINEERING	<i>[Signature]</i>	BUILDING DEPARTMENT
INSPECTION	<i>[Signature]</i>	

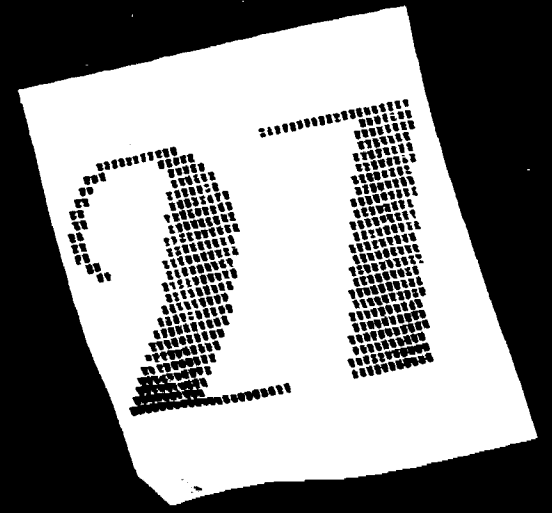
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 ENGINEERING CRITIQUE

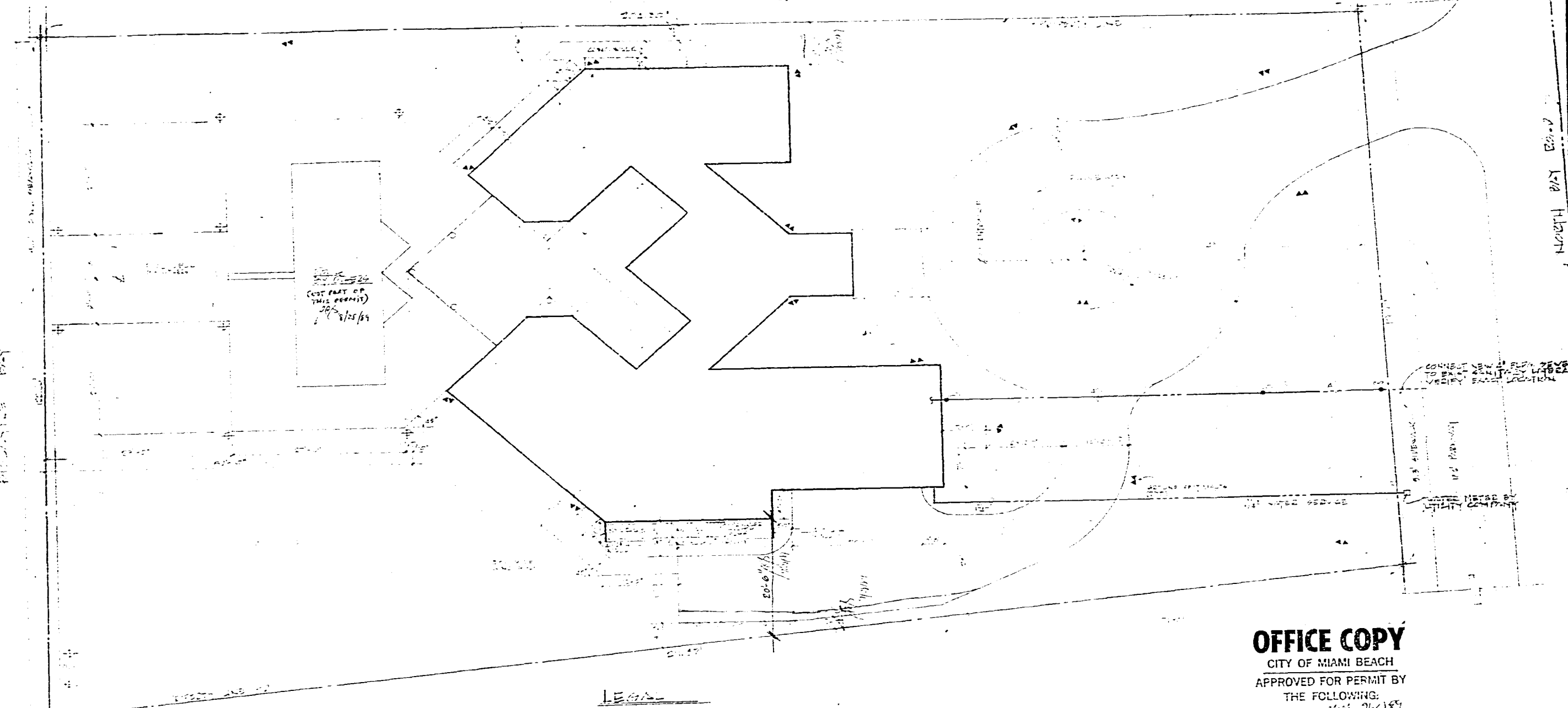
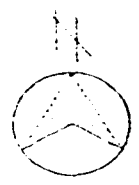
GALLO DESIGN and  
 DEVELOPMENT INC.  
 P.O. BOX 1416  
 MIAMI BEACH, FLORIDA

P. CARLOS BRAVO ARCHITECT

NEW EXHIBIT # 202  
 Mr. & Mrs.  
 NEW APPROVAL

date: \_\_\_\_\_  
 revis: \_\_\_\_\_  
 sheet: \_\_\_\_\_





**LEGAL**  
 LOT 22, BLOCK 2  
 MIAMI BEACH "NAUTILUS SUBDIVISION"  
 AS RECORDED IN PLAT BOOK 8 AT PAGE 45 OF  
 THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA.

**NOTE**  
 EVERY ONE OF THESE SHALL BE REMOVED FROM THE SITE FOR  
 AS REFERRED TO. SEWER, WATER, WIRE, AND CABLES SHALL  
 FOR THIS PROJECT SHALL BE REMOVED.

**SITE PLAN**

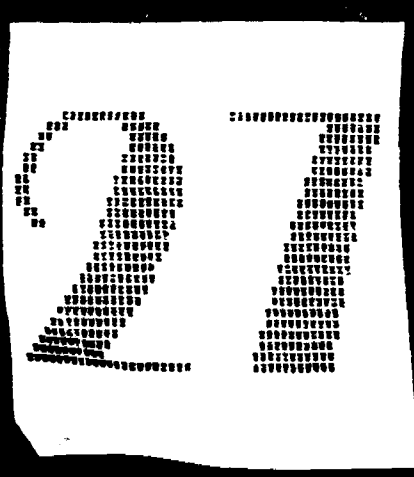
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 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:  
 BUILDING \_\_\_\_\_  
 ZONING \_\_\_\_\_  
 PLANNING \_\_\_\_\_  
 ELECTRICAL \_\_\_\_\_  
 FIRE PREVENTION \_\_\_\_\_  
 UTILITIES \_\_\_\_\_

GALLO DESIGN and  
 DEVELOPMENT  
 P.O. BOX 1416

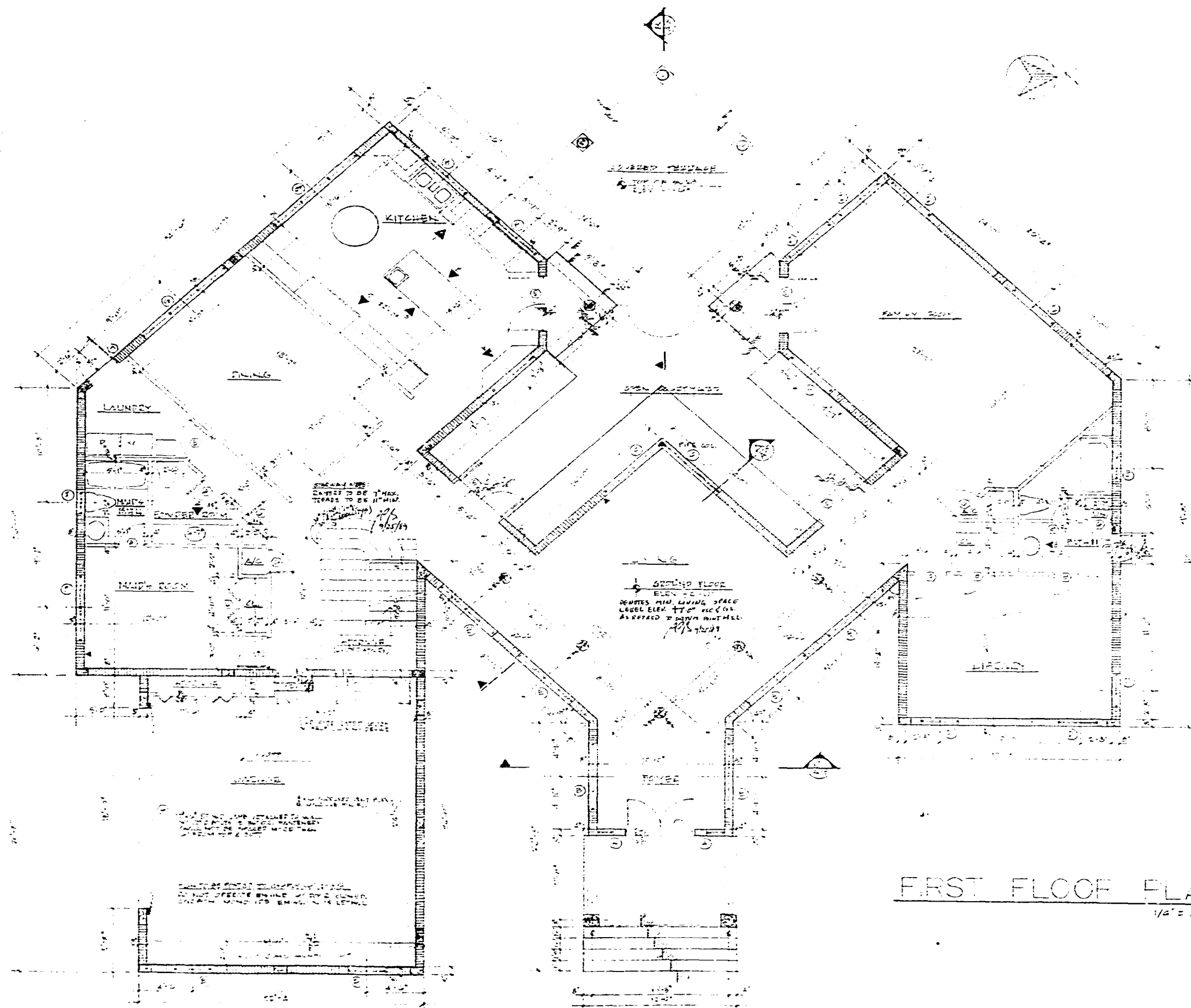
P. CARLOS BRAVO ARCHITECT  
 109 TRINITY  
 MIAMI BEACH

NEW RESIDENCE FOR  
 MR. & MRS.  
 KEN GEORGETZ  
 MIAMI BEACH

date: \_\_\_\_\_  
 revis: \_\_\_\_\_  
 sheet: \_\_\_\_\_  
 A







FIRST FLOOR PLAN  
1/2" = 1'-0"

**NOTICE**

Height (to ridge of roof): \_\_\_\_\_

Net Land Area: \_\_\_\_\_

Lot Coverage (maximum allowable): \_\_\_\_\_

**STREETS:**

Front: \_\_\_\_\_

Side Street: \_\_\_\_\_

Rear: \_\_\_\_\_

**ELEVATION:**

Crown of Road: \_\_\_\_\_

State County Flood Criteria: \_\_\_\_\_

Federal Flood Criteria: \_\_\_\_\_

Proposed Finish Floor: \_\_\_\_\_

Site to be filled to County flood criteria elevation 8.00 ft. or an elevation no less than the highest approved crown elevation of the road abutting the property.

Area adjacent to lot or easel to be graded so as to prevent direct overland discharge of stormwater into lot or easel.

Lot will be graded so as to prevent direct overland discharge of stormwater onto adjacent property.

**LOWEST FINISH FLOOR ELEVATION (Including basement)**

CITY FLOOD CRITERIA	STATE OF FLA. FLOOD CRITERIA
APPLICABLE	C.F.M. / S.F.M. / OTHER
APPLICABLE	
APPLICABLE	

LOWEST FINISH FLOOR ELEVATION MUST BE INDICATED WHERE SHOWN AND INDICATED ABOVE LOWEST FLOOR SHALL BE \_\_\_\_\_ INCHES ABOVE FINISHED GRADE

**ANY APPLICABLE RESOLUTIONS:**

**NOTICE:** In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this County, Section 222.01(1), Florida Statutes, effective 7/10/87.

Applicant will comply with Ordinance 88-10 (Section 17.01(1)) of the Metropolitan Dade County Code, prior to starting construction.

**OFFICE COPY**

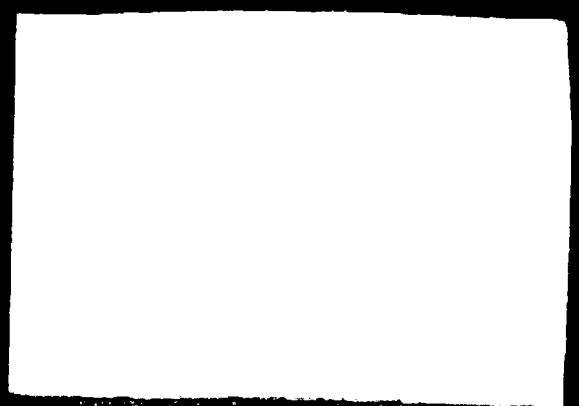
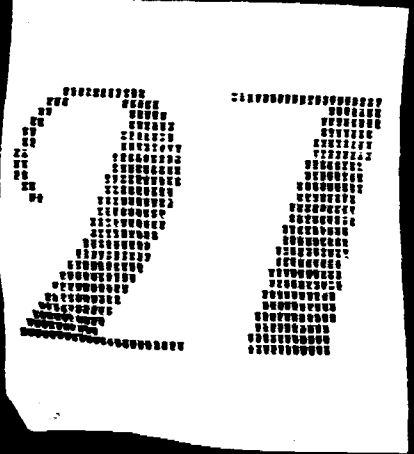
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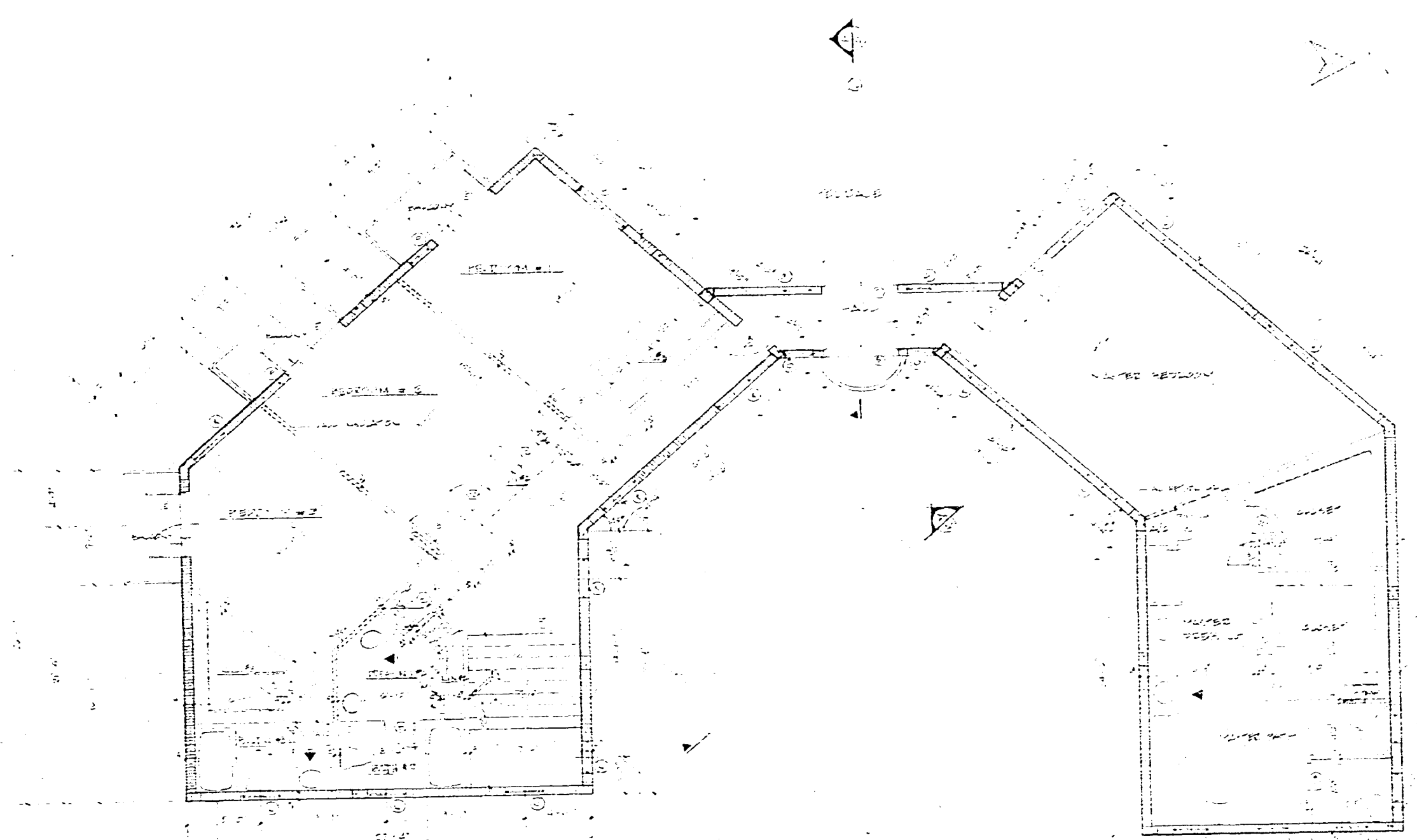
DATE: \_\_\_\_\_

BY: \_\_\_\_\_

FOR: \_\_\_\_\_

GALLO DESIGN and DEVELOPMENT  
 P. CARLOS BRAVO ARCHITECT  
 108 108th Ave  
 P.O. BOX 1418  
 MIAMI BEACH, FL 33154  
 date: \_\_\_\_\_  
 revised: \_\_\_\_\_  
 sheet: A-2





SECOND FLOOR PLAN  
1/4" = 1'-0"

**OFFICE COPY**  
CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:  
 ENGINEER: *[Signature]*  
 ARCHITECT: *[Signature]*  
 PLUMBER: \_\_\_\_\_  
 ELECTRICIAN: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PROTECTION: \_\_\_\_\_  
 OTHER: \_\_\_\_\_

GALLO DESIGN and DEVELOPMENT inc.  
 P.O. BOX 1416  
 MIAMI GROVE, FLA.

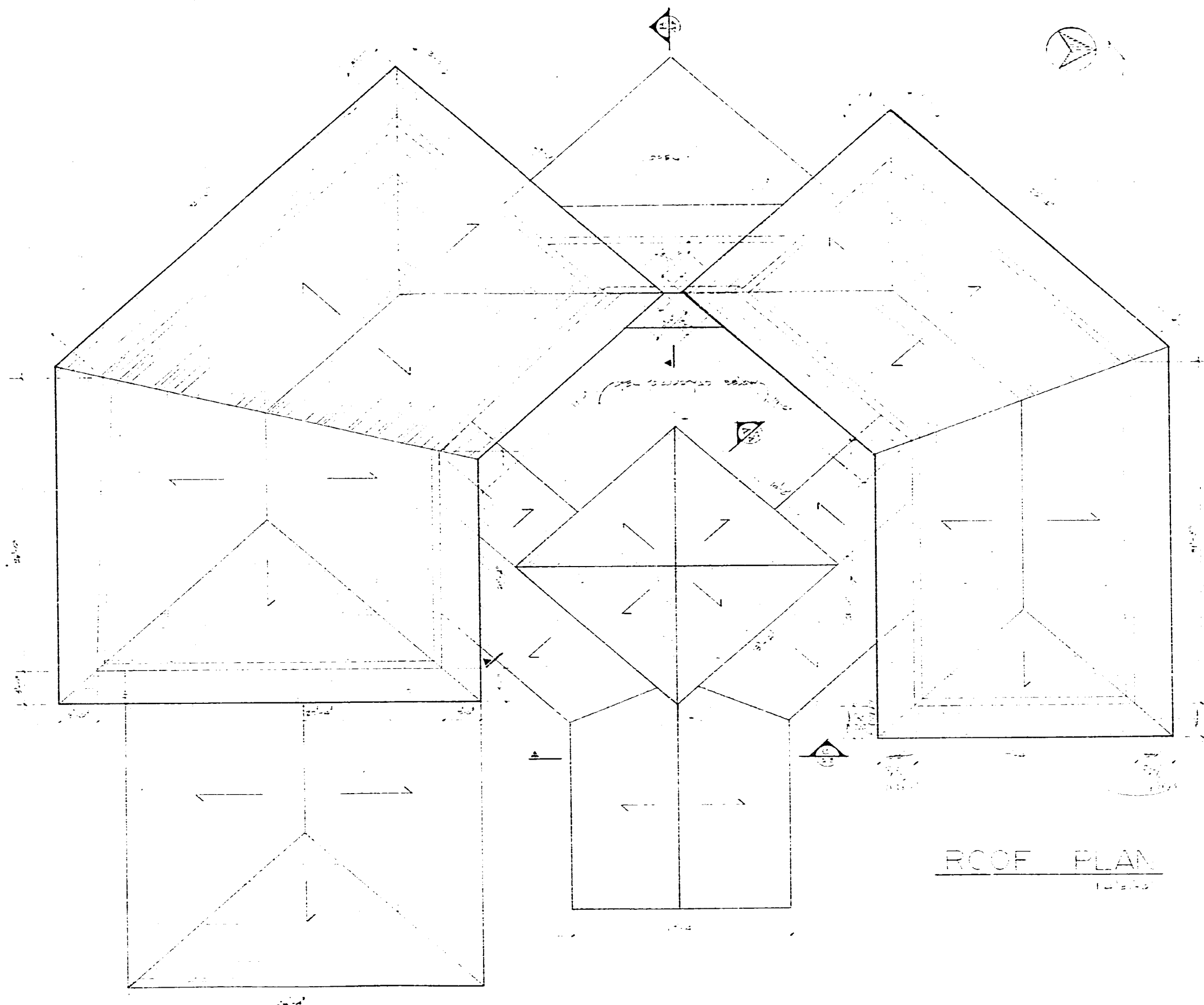
P. CARLOS BRAVO ARCHITECT  
 106 Madeira Court  
 MIAMI BEACH, FLA.

NEW RESIDENCE FOR  
 MR & MRS  
 KEN GROSSFELD  
 MIAMI BEACH, FLA.

Date: 6/2/69  
 Revisions:  
 sheet #  
 A-3

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ROOF PLAN

**OFFICE COPY**  
 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:  
 BUILDING: *[Signature]*  
 PLUMBING: *[Signature]*  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PROTECTION: \_\_\_\_\_  
 OTHER: \_\_\_\_\_

GALLO DESIGN and DEVELOPMENT, inc.  
 P.O. box 1415  
 8000th Grove, Fla.

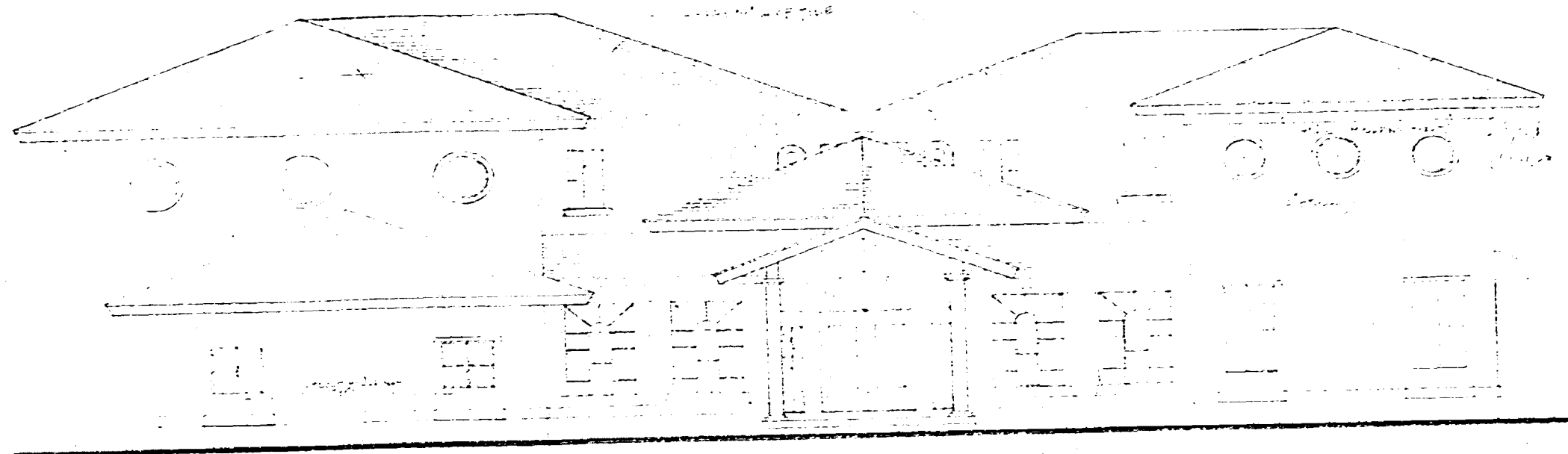
P. CARLOS BRAVO ARCHITECT  
 108 Madeira

NEW RESIDENCE #22  
 MR. & MRS.  
 KEN GROSSFELD  
 MIAMI BEACH, FLA.

date: 2/6/63  
 revisions:  
 sheet #  
 A-4

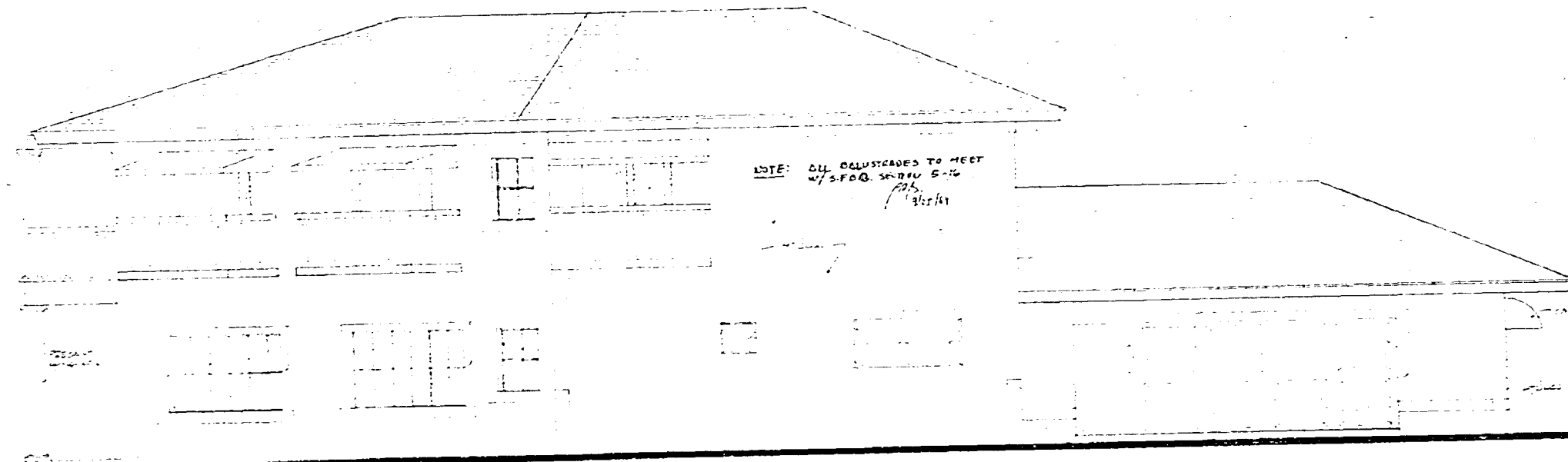
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NOTE: DETAILS SHOWN BY OTHERS ARE PART OF THIS PERMIT (copy)  
P.S. - 1/1/14

EAST ELEVATION



NOTE: ALL DIMENSIONS TO MEET W/ 3/4" SLOPE 6-12  
P.S. - 1/1/14

SOUTH ELEVATION

**OFFICE COPY**

CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY

THE FOLLOWING:  
PLUMBING \_\_\_\_\_  
MECHANICAL \_\_\_\_\_  
ELECTRICAL \_\_\_\_\_  
CIVIL/STRUCTURAL \_\_\_\_\_  
ENGINEERING \_\_\_\_\_

GALLO DESIGN BUILD  
DEVELOPMENT INC.  
P.O. BOX 1415  
MIAMI BEACH, FL 33139

P. CARLOS BRAVO ARCHITECT  
106 MADRID  
MIAMI BEACH, FL 33139

NEW RESIDENCE FOR  
MR & MRS.  
KEN GROSSFELD  
MIAMI BEACH, FLA

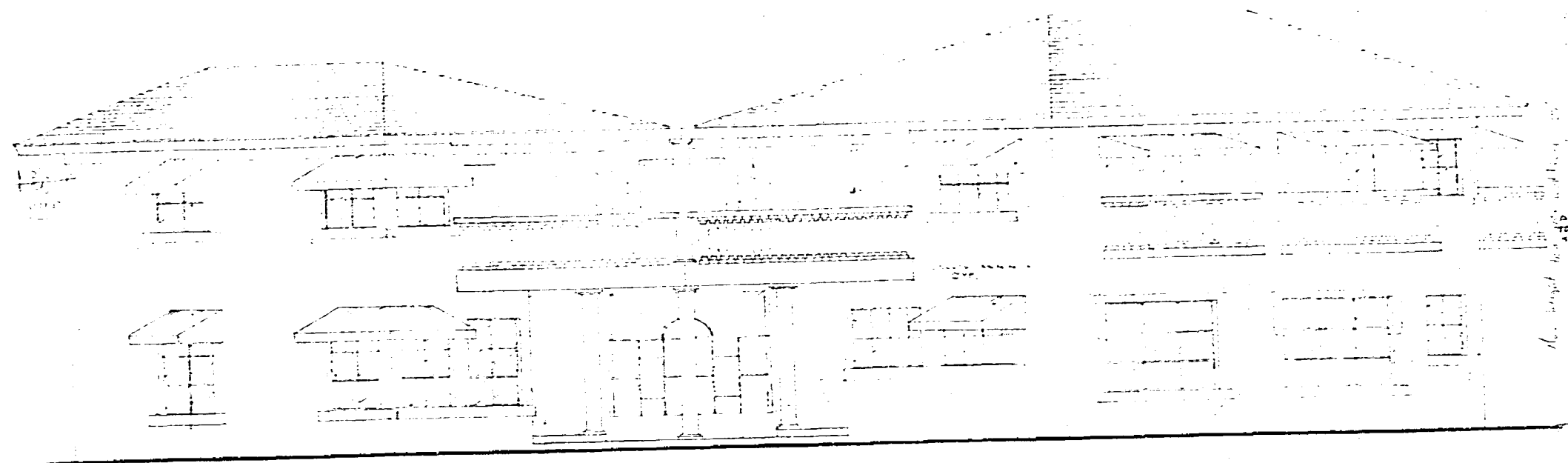
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revisions:

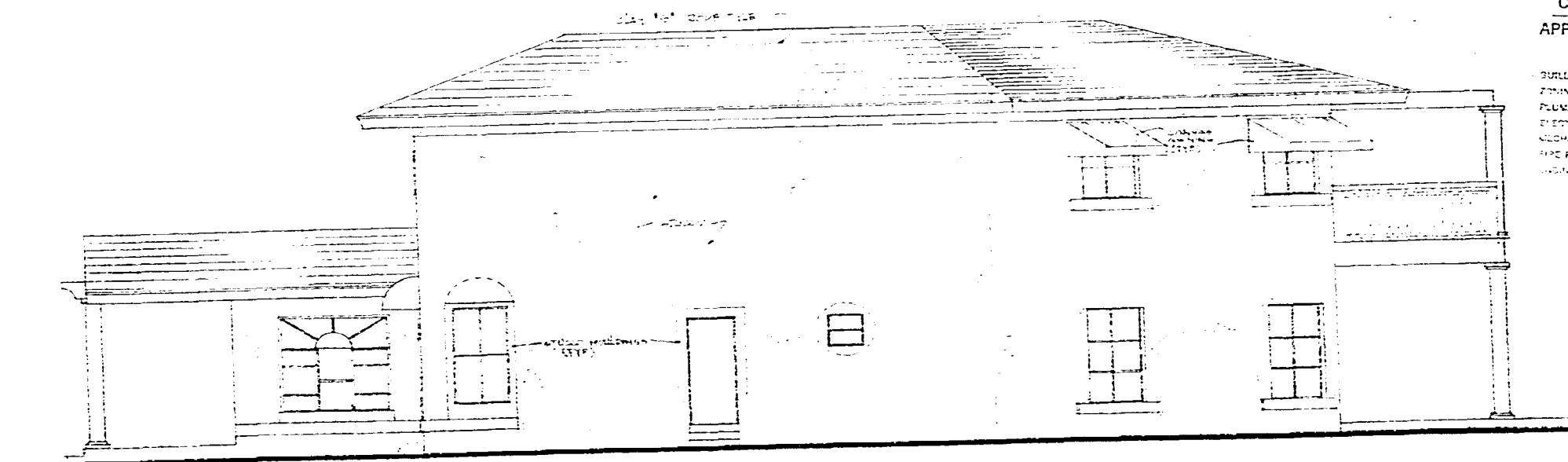
sheet #:  
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WEST ELEVATION  
1/4" = 1'-0"



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

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

PLUMBING	02/17/14
ELECTRICAL	02/17/14
Mechanical	
Fire Protection	
Other	

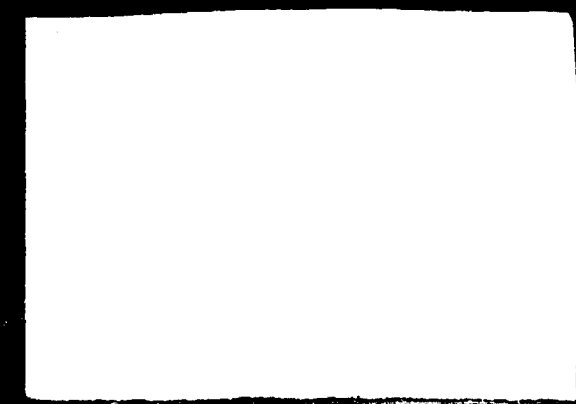
GALLO DESIGN and DEVELOPMENT inc.  
 p.o. box 1415  
 coronal grove, fla.

P. CARLOS BRAVO ARCHITECT  
 106 madeira  
 coral gables, fla.

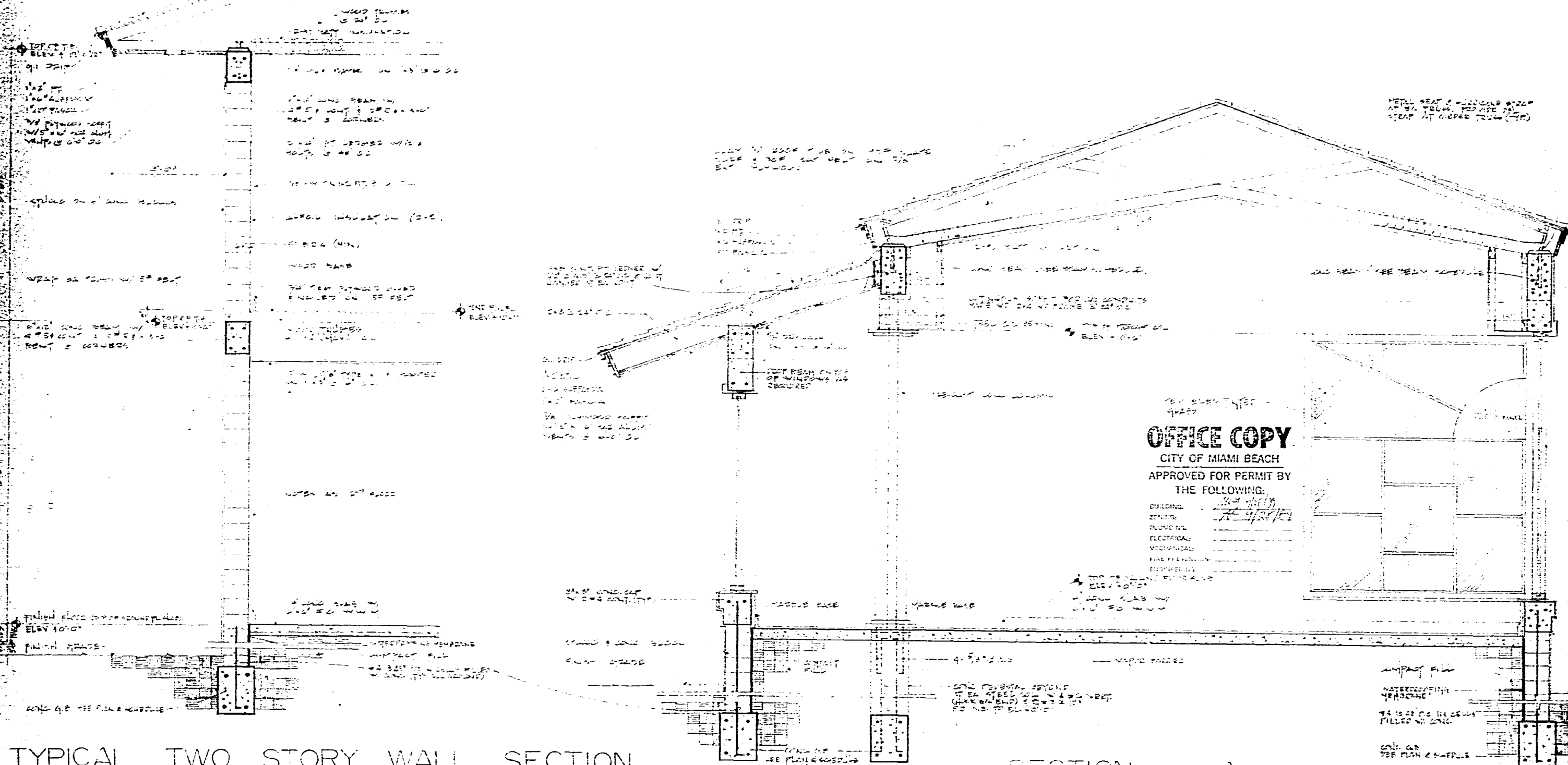
NEW RESIDENCE 102  
 102 2 MB  
 102 2 MB  
 102 2 MB  
 MIAMI BEACH, FLA

date: 02/17/14  
 revision:  
 sheet #  
 A-G

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clay 5' 0" - 10' 0" - 12' 0" - 14' 0" - 16' 0" - 18' 0" - 20' 0" - 22' 0" - 24' 0" - 26' 0" - 28' 0" - 30' 0" - 32' 0" - 34' 0" - 36' 0" - 38' 0" - 40' 0" - 42' 0" - 44' 0" - 46' 0" - 48' 0" - 50' 0" - 52' 0" - 54' 0" - 56' 0" - 58' 0" - 60' 0" - 62' 0" - 64' 0" - 66' 0" - 68' 0" - 70' 0" - 72' 0" - 74' 0" - 76' 0" - 78' 0" - 80' 0" - 82' 0" - 84' 0" - 86' 0" - 88' 0" - 90' 0" - 92' 0" - 94' 0" - 96' 0" - 98' 0" - 100' 0"



TYPICAL TWO STORY WALL SECTION

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

SECTION - A

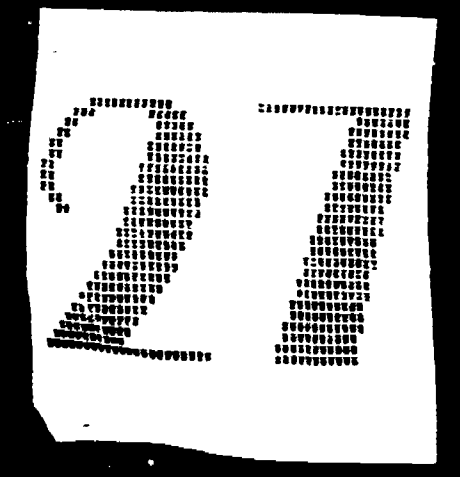
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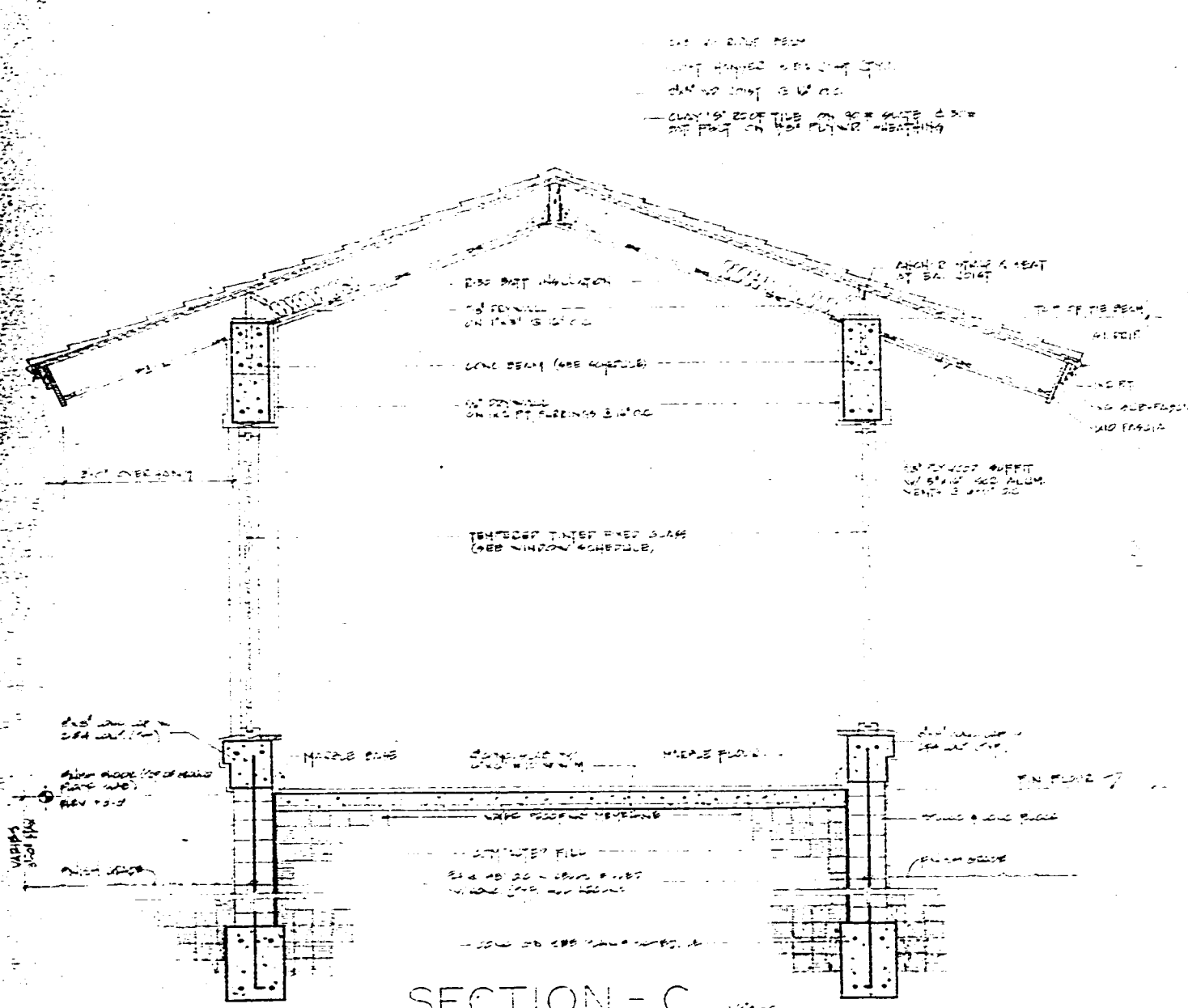
DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
DATE: [Date]

GALLO DESIGN and DEVELOPMENT INC.  
100 S.W. 11th Ave.

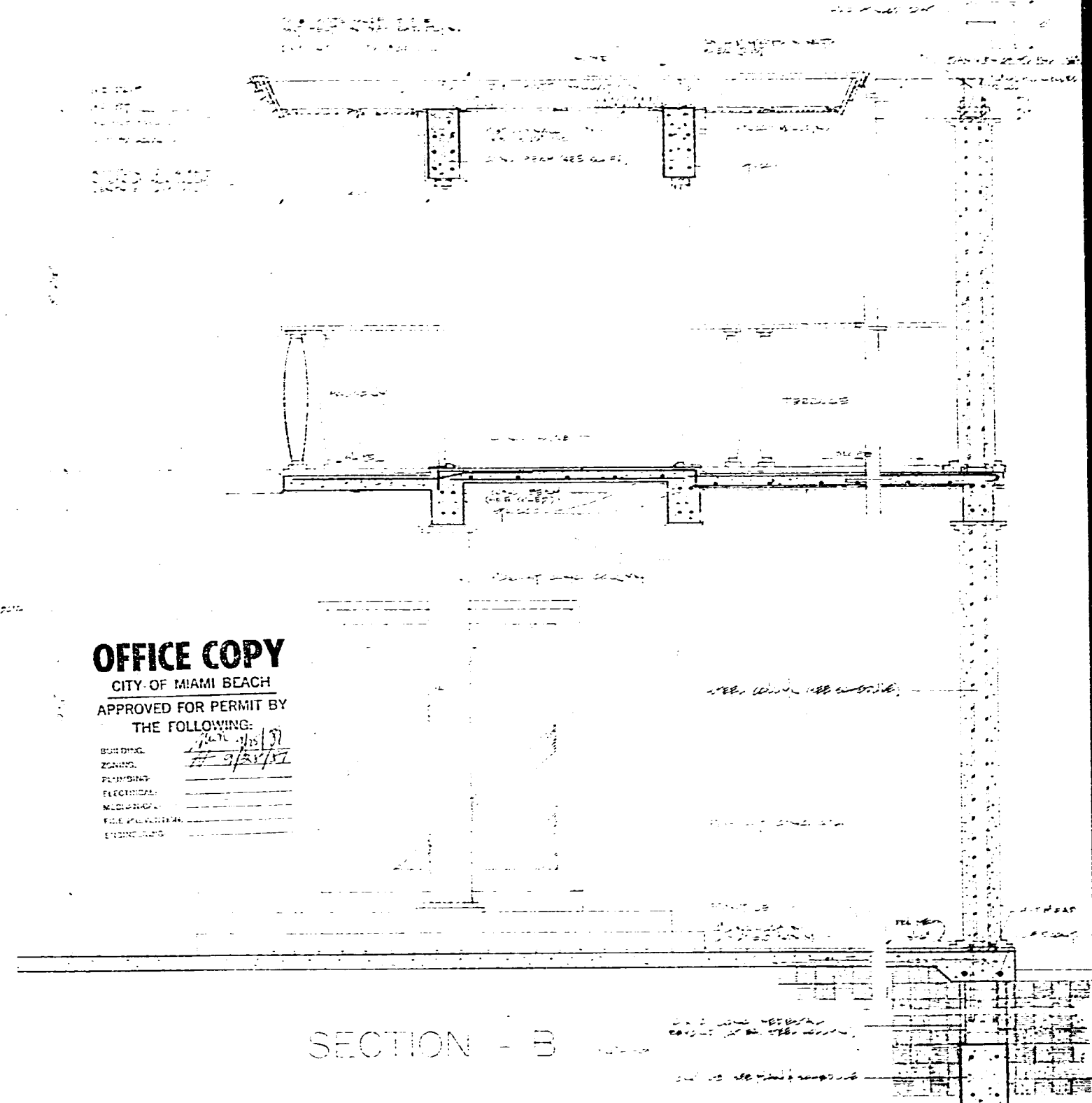
P. CARLOS BRAVO ARCHITECT  
100 S.W. 11th Ave.

RESIDENCE #22  
ME & MRS. [Name]  
date: [Date]  
revision: [Number]  
sheet: A-7





SECTION - C



SECTION - B

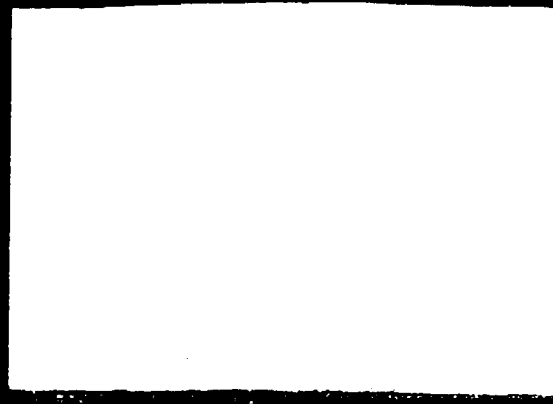
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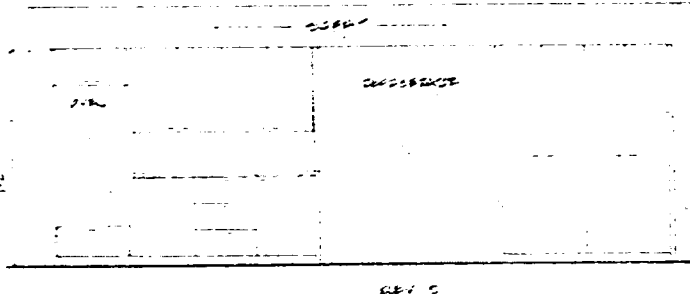
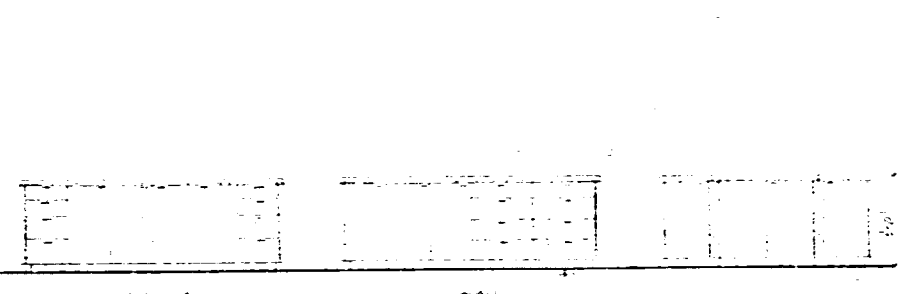
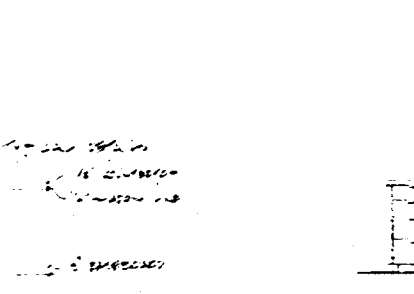
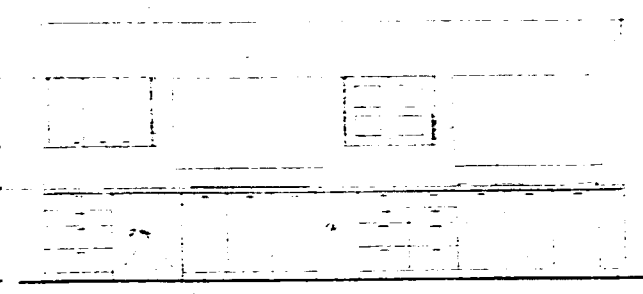
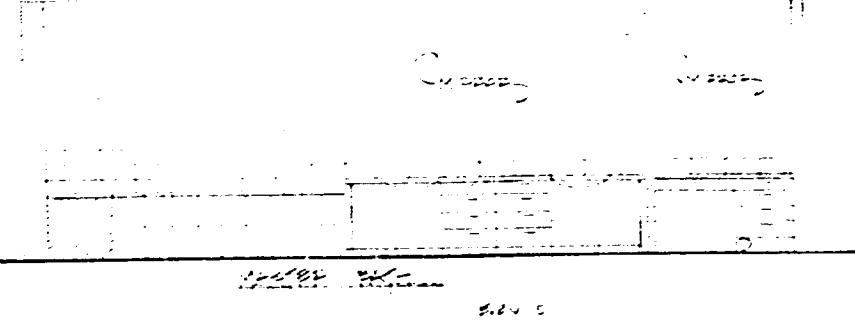
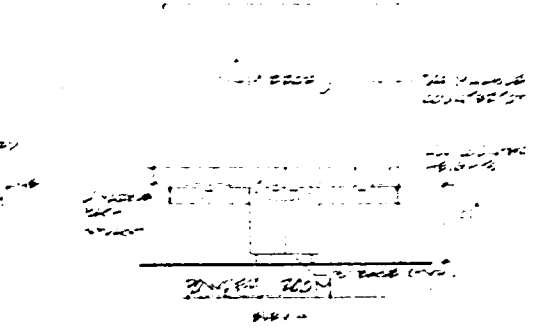
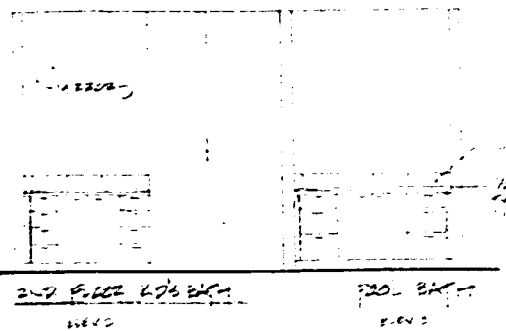
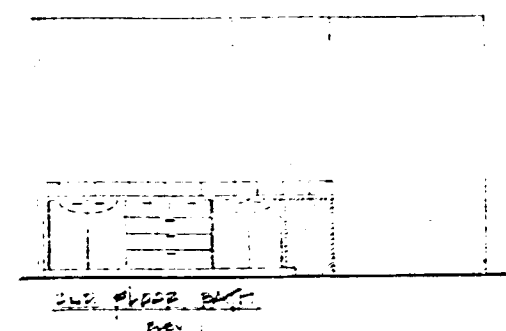
CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING	<i>[Signature]</i>
SEALS	<i>[Signature]</i>
PLUMBING	
ELECTRICAL	
Mechanical	
FILE NUMBER	
DATE	

GALLO DESIGN and DEVELOPMENT inc.  
 P.O. BOX 1415  
 P. CARLOS BRAVO ARCHITECT  
 106 Madeira  
 NEW RESIDENCE FOR MR. & MRS. LEN QUOSFELD  
 MIAMI BEACH, FLA.  
 date: 4/1/54  
 revision:  
 sheet #  
 A 8

27





- GENERAL NOTES:
- DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS UNLESS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE EVENT OF CONFLICT, NOTIFY ARCHITECT BEFORE PROCEEDING.
  - CONTRACTOR SHALL COORDINATE WITH OWNER AND VARIOUS TRADES SO THAT PROPER OPENINGS AND CHANGES SHALL BE PROVIDED.
  - ALL VENTILATION AND DRAINAGE SHALL BE REACHED PRIOR TO PLACING FULL FORMATION SHALL BE IN CLEAN FILL COMPACTED IN LAYERS OF NOT MORE THAN 12" IN DEPTH AND TO 95% DENSITY AS PER A.S.T.M. PROCTOR TEST OR MODIFIED PROCTOR TEST.
  - UNLESS INDICATED BY SOIL INDICATES A SOIL BEARING CAPACITY OF 1500 PSF, SHOULDER OTHER CONDITIONS BE ENCOUNTERED, THE ARCHITECT SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK.
  - CONCRETE SHALL BE A BLEND OF 1" AND A MIN. COMPRESSIVE STRENGTH OF 3000 PSI. ALL CONCRETE SHALL BE PLACED ON A 4" MIN. SANDY FILL. FOUNDATIONS AND SLABS ON GRADE SHALL BE 4" MIN. CONCRETE. FOUNDATION CONCRETE COVER FOR ALL FOUNDED IN PLACE CONCRETE SHALL BE AS FOLLOWS: 3" MIN. FOR 12" MAX. DIAMETER BARS; 1 1/2" MIN. FOR 1" MAX. DIAMETER BARS; 1 1/2" MIN. AT CENTER OF SLAB.
  - REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A615 SPECIFICATIONS FOR HOT ROLLED BELLIED STEEL AND GRADE 60 SPEC. WITH A MIN. TENSILE STRENGTH OF 60,000 PSI. IT SHALL BE DETAIL, FABRICATED AND PLACED AS RECOMMENDED BY A.C.I.
  - WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO A.S.T.M. A-102, DOUBLE W.W.F. 30" ON 12" GA. SIZE OF REINFORCING BARS AND 30" PLUS WIDTH OF FOOTER AROUND PERIMETER OF MONOLITHIC FOOTING.
  - CONCRETE MASONRY UNITS SHALL BE LOAD BEARING TYPE CONFORMING TO A.S.T.M. C-90. MORTAR SHALL CONFORM TO A.S.T.M. C-270, TYPE M.
  - ALL STRUCTURAL LUMBER SHALL HAVE MIN. BENDING STRESS RATING IN 1200 PSI. MIN. UNLESS OTHERWISE SPECIFIED.
  - ALL ROOF JOISTS, TRUSSES, GUILDERNS, BEAMS AND CHORDS SHALL BE SECURED WITH APPROVED IPFNA, TIE CLIPS, AND ANCHORS TO TIE BEAMS OR BEARING PARTITIONS.
  - ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED WITH AN APPROVED PRESERVATIVE. DRAWINGS AND CALCULATIONS FOR ARCHITECT'S APPROVAL.
  - USE GALVANIZED NAILS ONLY FOR EXTERIOR WOOD WORK.
  - ALL STUCCO SCRATCH COATS SHALL BE ALLOWED 24 HRS. DRYING PERIOD.
  - SUBSTITUTIONS OF SPECIFIED PRODUCTS AND/OR MATERIALS BY WRITTEN REQUEST TO AND SUBJECT TO APPROVAL BY OWNER/ARCHITECT.
  - HARPLE WINDOW SILLS.

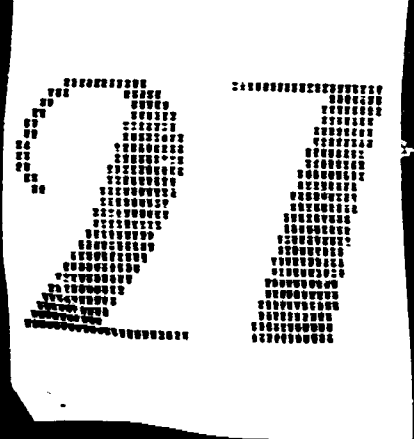
- ALL LOCKS ON EXTERIOR DOORS SHALL BE CAPABLE OF RESISTING A FORCE OF 300 LB. APPLIED IN ANY DIRECTION AND IN COMPLIANCE WITH RESISTANCE STANDARD SET FORTH IN ACTING CODE E.C.
- ALL SINGLE EXTERIOR SLIDING DOORS SHALL HAVE A LOCK TO BE KEYPERATED FROM EXTERIOR WITH A MIN. OF 1000 PSI. POSSIBLE KEY CHANGES OR LOCKING MECHANISM SHALL BE KEYPERATED FROM EXTERIOR.
- THE OPERATING MECHANISM OF EXTERIOR SLIDING DOORS SHALL HAVE A MIN. 3000 PSI. AS REQUIRED FOR SINGLE EXTERIOR SLIDING DOORS. THE MECHANISM SHALL BE KEYPERATED FROM EXTERIOR WITH A MIN. OF 1000 PSI. POSSIBLE KEY CHANGES OR LOCKING MECHANISM SHALL BE KEYPERATED FROM EXTERIOR.
- SLIDING GLASS DOORS SHALL BE KEYPERATED WITH A MIN. 3000 PSI. AS REQUIRED FOR SINGLE EXTERIOR SLIDING DOORS. THE MECHANISM SHALL BE KEYPERATED FROM EXTERIOR WITH A MIN. OF 1000 PSI. POSSIBLE KEY CHANGES OR LOCKING MECHANISM SHALL BE KEYPERATED FROM EXTERIOR.
- NOT APPLICABLE.
- DOORS ON EXTERIOR SLIDING DOORS SHALL HAVE NON-REMOVABLE PIN.
- LOCKS OF ALL EXTERIOR SLIDING DOORS SHALL BE KEYPERATED OR OF SIMILAR FABRICATED TO PREVENT THE PURPOSE OF THE LOCKING MECHANISM.
- SMALL EXTERIOR DOORS SHALL BE KEYPERATED WITH A MIN. 1000 PSI. AS REQUIRED FOR SINGLE EXTERIOR SLIDING DOORS.
- GLASS AND EXTERIOR DOORS SHALL CONFORM WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE - STANDARD 987.1.
- WOOD PANELS IN EXTERIOR DOORS OTHER THAN GLASS SHALL BE KEYPERATED WITH A MIN. 1000 PSI. AS REQUIRED FOR SINGLE EXTERIOR SLIDING DOORS.
- SLIDING GLASS DOORS AND WINDOWS SHALL BE KEYPERATED AND KEYPERATED BY THAT NO PANEL CAN BE LIFTED FROM THE TRACKS UNDER IN THE LOCKED POSITION AND SO AS TO COMPLY WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE - STANDARD 987.1.
- NOT APPLICABLE.
- NOT APPLICABLE.
- FRONT WOOD ENTRANCE DOORS SHALL BE KEYPERATED WITH A DOOR SCREW OR WOOD PANEL.
- DOORS AND WINDOWS BY THE OWNER - PROVIDED - EQUAL SLIDING DOOR OR SINGLE DOOR IN STANDARD ROLLING IN STEEL.

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

DATE: 11/11/11  
BY: [Signature]

- EMERGENCY NOTES:
- THE HOUSE SHALL COMPLY WITH ALL PRESCRIPTIVE REQUIREMENTS FOR WINDPROOF, DOOR AND EXTERIOR PENETRATION UNLESS THE FOLLOWING REQUIREMENTS:
  - WINDOWS SHALL HAVE A MAXIMUM OF 0.5 CM PER LINEAR FOOT OF OPERABLE SWASH CRACK.
  - DOORS (INCLUDING SLIDING GLASS DOORS) SHALL HAVE A MAXIMUM OF 0.5 CM PER SQUARE FOOT OF DOOR AREA.
  - EXTERIOR JOISTS OR OPENINGS IN THE BUILDING ENVELOPE SHALL BE CALKED, GULCHED, WATERSTOPPED OR OTHERWISE SEALED IN AN APPROVED MANNER.
  - WIND DAMPERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE LOCAL METEOROLOGICAL CODE. GULCHES IN UNCONDITIONED SPACE SHALL BE INSULATED TO A MINIMUM OF R-12.
  - ALL PENETRATIONS AND JOISTS IN THE TOP PLATES OF EXTERIOR WALLS SHALL BE SEALED.
  - AN IMPERMEABLE GUMMER SHALL BE INSTALLED IN EXTERIOR WALLS AND RAISED WOOD FLOORING.
  - THE CRACK BETWEEN EXTERIOR WALL SOLE PLATES AND FLOORS IN FRAME CONSTRUCTION SHALL BE SEALED WITH GULCHING OR CASSET MATERIAL.
  - ALL PENETRATIONS, JOISTS AND CRACKS IN INTERIOR SURFACES OF CEILING AND EXTERIOR WALLS SHALL BE SEALED INCLUDING THE FOLLOWING COMPONENTS: WINDOWS AND DOOR FRAMES, ELECTRICAL OUTLETS AND SWITCHES, BATHING, ETC.
  - ALL JOISTS IN DUCTWORK IN UNCONDITIONED SPACE SHALL BE SEALED.
  - ALL FIREPLACES SHALL HAVE FLUE DAMPERS, GLASS DOORS AND OUTSIDE COMBUSTION AIR INTAKES.
  - ALL EXHAUST FANS VENTED TO UNCONDITIONED SPACE SHALL HAVE DAMPERS. THIS DOES NOT APPLY TO COMBUSTION DEVICES WITH INTERNAL EXHAUST ELECTRONIC SMOKE DETECTORS SHALL COMPLY WITH STD. 80-21 OF THE LOCALLY ADOPTED CODE.

GABRIEL DESIGN and DEVELOPMENT INC.  
 P.O. BOX 1415  
 CORTEZ, FLORIDA  
 CARLOS BRAVO ARCHITECT  
 P. CARLOS BRAVO ARCHITECT  
 106 Madeira  
 NEW BEHAVIOR FOR  
 NO. 4 MBR  
 KEN GROSSFIELD  
 MIAMI BEACH, FL  
 date: 11/11/11  
 revisions  
 sheet #  
 1-9

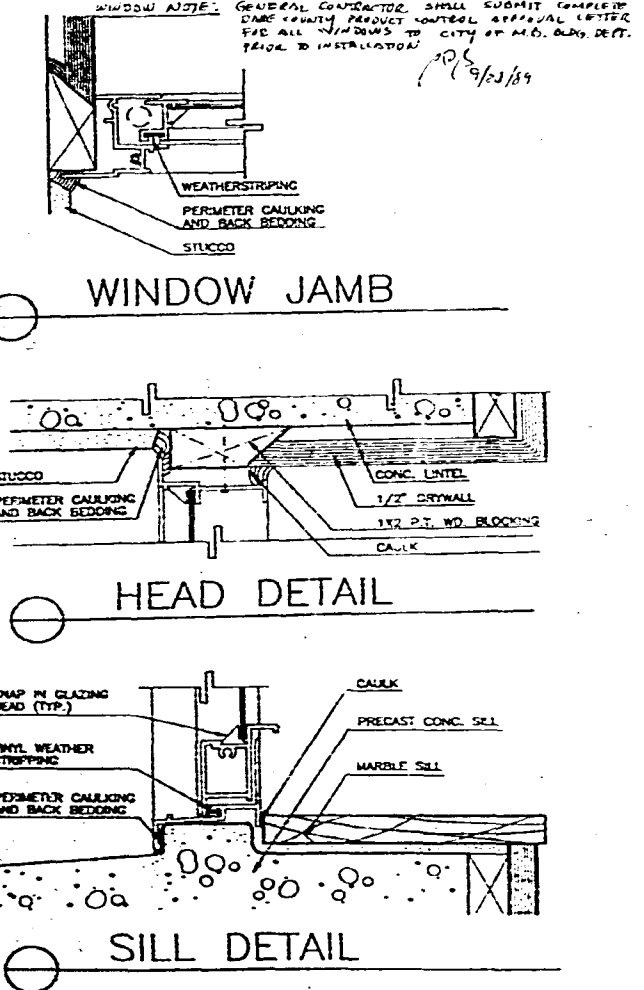




DOOR SCHEDULE						
NO.	WIDTH	HEIGHT	THICK	TYPE	MATERIAL	REMARKS
1	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
2	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
3	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
4	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
5	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
6	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
7	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
8	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
9	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
10	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
11	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
12	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
13	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
14	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
15	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
16	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
17	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
18	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
19	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR
20	2'-0"	6'-0"	1 3/4"	SW	W/ GLASS	ALUMINUM DOOR

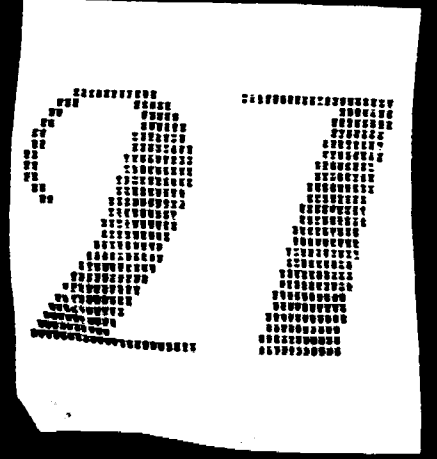
WINDOW SCHEDULE						
NO.	SIZE	TYPE	MATERIAL	OY ELEV	REMARKS	
1	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
2	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
3	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
4	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
5	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
6	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
7	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
8	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
9	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
10	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
11	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
12	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
13	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
14	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
15	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
16	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
17	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
18	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	
19	2'-0" x 4'-0"	FIXED	W/ FRAME	2	1/2" GLASS	
20	2'-0" x 4'-0"	FIXED	W/ FRAME	0	1/2" GLASS	

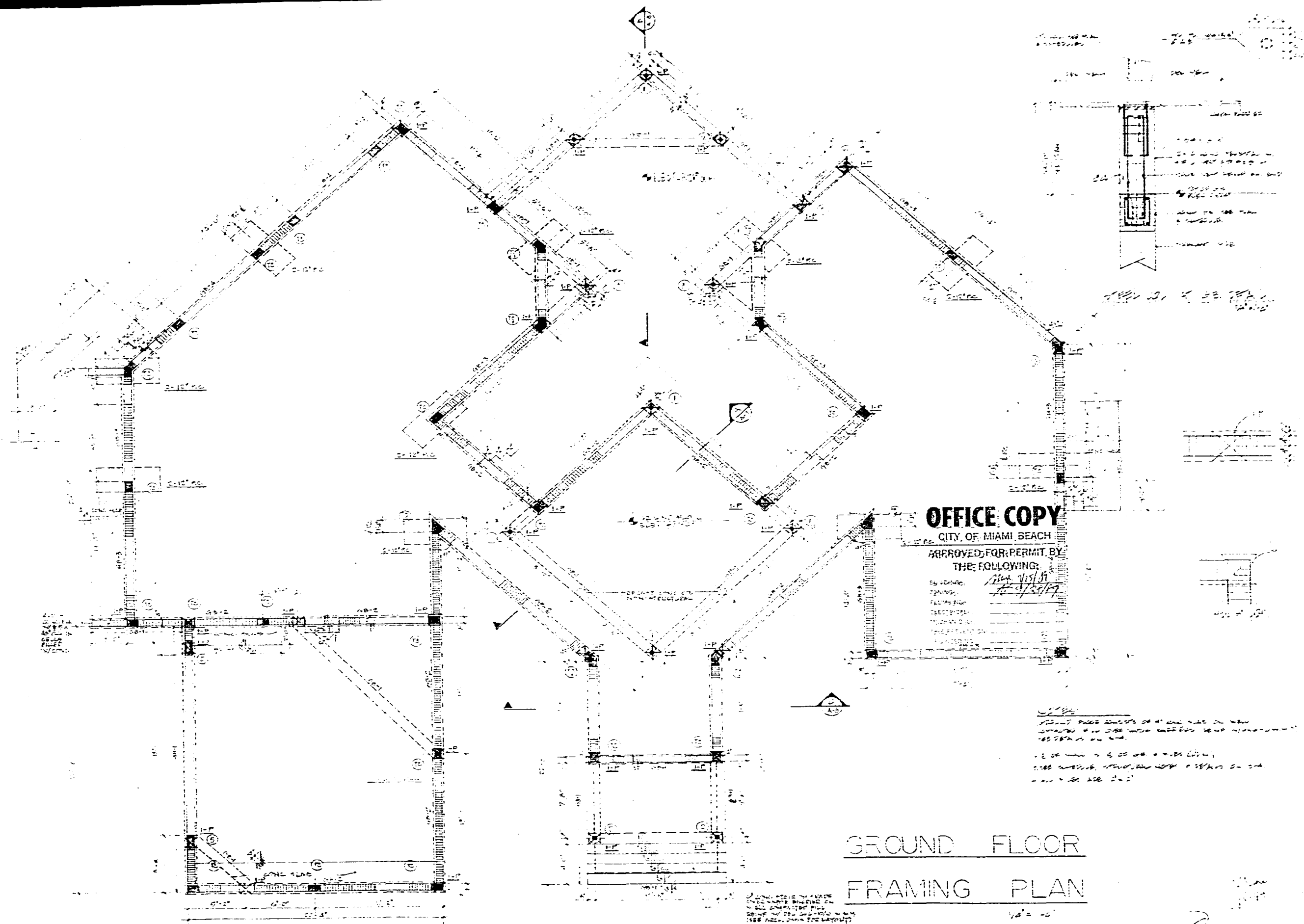
FINISH SCHEDULE						
ROOM	FLOOR	BASE	WALL	CEILING	HT	REMARKS
FIRST FLOOR	ENTRANCE	MARBLE	MARBLE	GYPSUM	8'-0"	
	HALL	MARBLE	MARBLE	GYPSUM	8'-0"	
	DINING	MARBLE	MARBLE	GYPSUM	8'-0"	
	KITCHEN	TILE	TILE	GYPSUM	8'-0"	
	BATH #1	TILE	TILE	GYPSUM	8'-0"	
	LIVING	MARBLE	MARBLE	GYPSUM	8'-0"	
	REAR PORCH	CONCRETE	WOOD	GYPSUM	8'-0"	
	SCREENED PORCH	TILE	TILE	GYPSUM	8'-0"	
	BATH #2	TILE	TILE	GYPSUM	8'-0"	
	REAR PORCH	TILE	TILE	GYPSUM	8'-0"	
	BATH #3	TILE	TILE	GYPSUM	8'-0"	
	BATH #4	TILE	TILE	GYPSUM	8'-0"	
SECOND FLOOR	BATH #5	TILE	TILE	GYPSUM	8'-0"	
	BATH #6	TILE	TILE	GYPSUM	8'-0"	
	BATH #7	TILE	TILE	GYPSUM	8'-0"	
	BATH #8	TILE	TILE	GYPSUM	8'-0"	
	BATH #9	TILE	TILE	GYPSUM	8'-0"	
	BATH #10	TILE	TILE	GYPSUM	8'-0"	
	BATH #11	TILE	TILE	GYPSUM	8'-0"	
	BATH #12	TILE	TILE	GYPSUM	8'-0"	
	BATH #13	TILE	TILE	GYPSUM	8'-0"	
	BATH #14	TILE	TILE	GYPSUM	8'-0"	
	BATH #15	TILE	TILE	GYPSUM	8'-0"	
	BATH #16	TILE	TILE	GYPSUM	8'-0"	



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THE FOLLOWING:

GALLO DESIGN and DEVELOPMENT inc.  
 P.O. BOX 1415  
 MIAMI BEACH, FL 33136  
 P. CARLOS BRAVO ARCHITECT  
 106 Madeira  
 MIAMI BEACH, FL 33139  
 HEY REYNOLDS INC. 102  
 INC. & MRS. KEN GROSSFELD  
 MIAMI BEACH, FL 33139  
 date: 4/4/64  
 revisions:  
 sheet # A-10





GROUND FLOOR  
FRAMING PLAN

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CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:

*P. Carlos Bravo*

DATE: 11/20/11

PROJECT: [illegible]

LOCATION: [illegible]

SCALE: [illegible]

DATE: [illegible]

BY: [illegible]

CHECKED BY: [illegible]

DATE: [illegible]

SCALE: [illegible]

DATE: [illegible]

BY: [illegible]

CHECKED BY: [illegible]

DATE: [illegible]

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GARRO DESIGN INC  
DEVELOPMENT INC  
P.O. BOX 1416

P. CARLOS BRAVO ARCHITECT  
106 Madeira

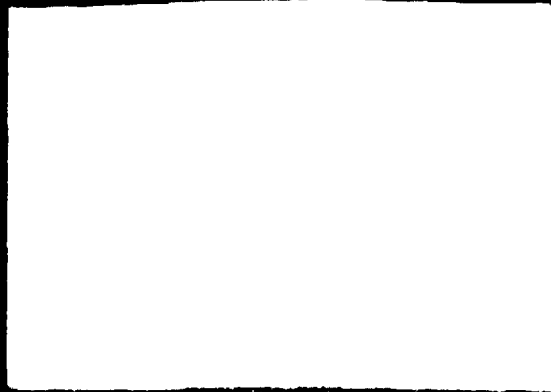
NEW RESIDENCE FOR  
MR. C. BRAVO

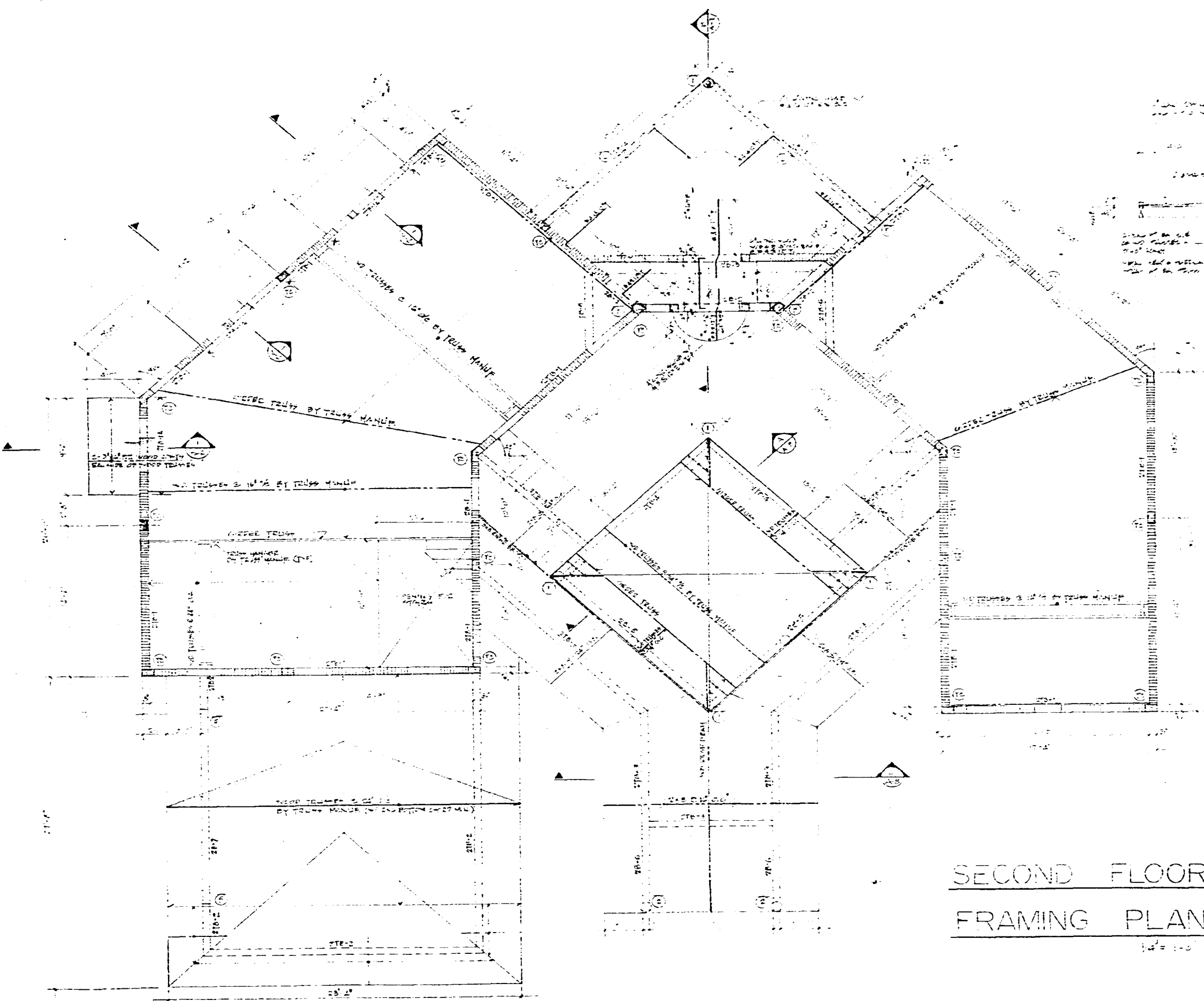
DATE:

REVISION:

SHEET 7

27





REVISIONS:

1. CORRECTED PER CITY OF MIAMI BEACH DEPT. OF PERMITS

2. CORRECTED PER CITY OF MIAMI BEACH DEPT. OF PERMITS

3. CORRECTED PER CITY OF MIAMI BEACH DEPT. OF PERMITS

4. CORRECTED PER CITY OF MIAMI BEACH DEPT. OF PERMITS

5. CORRECTED PER CITY OF MIAMI BEACH DEPT. OF PERMITS

REVISIONS:

GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS FOR ALL REVISIONS TO CITY OF MIAMI BEACH CIVIL DEPT. PRIOR TO IMPLEMENTATION

1/15/11

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 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

SEALING: *[Signature]*  
 ZONING: *[Signature]*  
 PLANNING: \_\_\_\_\_  
 TECHNICAL: \_\_\_\_\_  
 PERMITS: \_\_\_\_\_

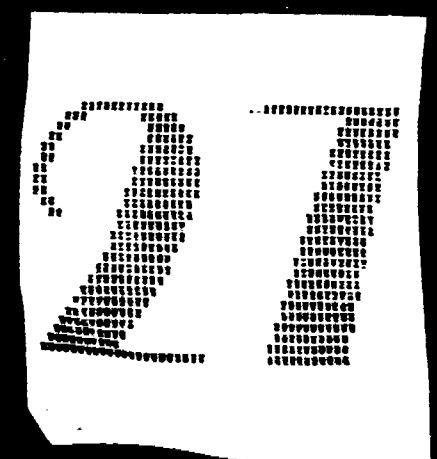
SECOND FLOOR & LOW ROOF  
FRAMING PLAN

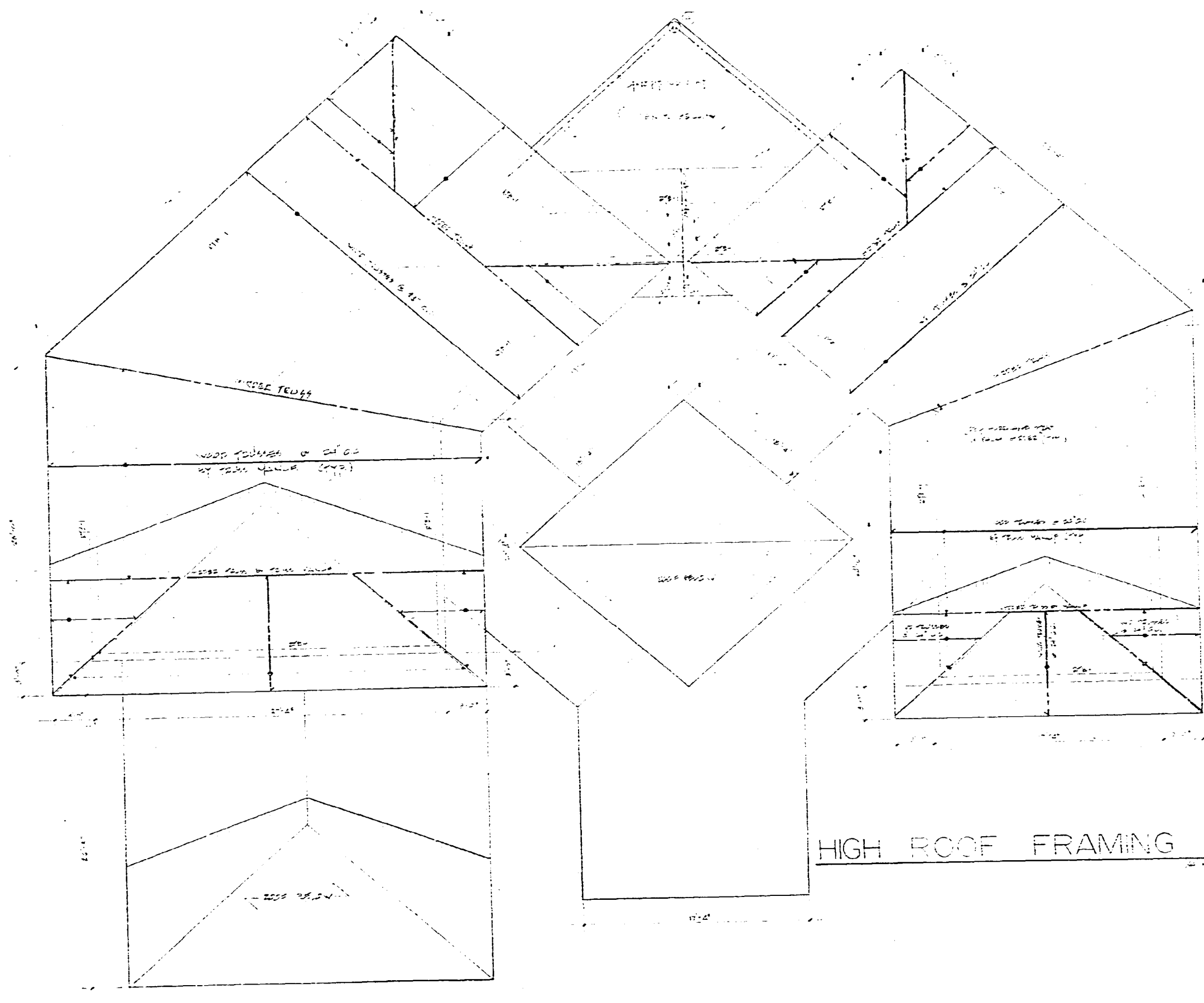
GALLO DESIGN and DEVELOPMENT inc.  
 P.O. box 1415  
 OCCONOMY GROVE, Fla.

P. CARLOS BRAVO ARCHITECT  
 108 MADRID  
 MIAMI BEACH, FLA

NEW RESIDENCE FOR  
 MR. & MRS.  
 KEN GROSSFELD  
 MIAMI BEACH, FLA

date: 5/11/11  
 Revisions:  
 sheet # 5-2





HIGH ROOF FRAMING PLAN

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 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING	<i>[Signature]</i>
ZONING	<i>[Signature]</i>
PLUMBING	
ELECTRICAL	
Mechanical	
Fire Protection	
Other	

CALLO DESIGN and  
 DEVELOPMENT inc.  
 p.o. box 1415  
 COSSUMI GROVE, FLA.

P. CARLOS BRAVO ARCHITECT  
 106 Madeira  
 MIAMI BEACH, FLA.

NEW RESIDENCE #22  
 MEA MS  
 KEN [Signature]  
 MIAMI BEACH, FLA.

date: 1/1/88  
 revisions:  
 sheet: 1/1



**STRUCTURAL NOTES:**

**CONCRETE:**  
 Concrete Strength at 28 days:  
 Slabs on fill: 3000 Psi.  
 All other concrete: 3000 Psi.

**Cover:**  
 Concrete deposited against ground: 3"  
 Formed concrete in contact w/ ground: 2 1/2"  
 Beams & columns: 2 1/2"  
 Slabs: 1 1/2"

**SLABS ON FILL:** (Conforming w/ ACI 302)  
 Joints:  
 1 1/2" deep power sawed joints must be saw cut within 48 hrs. of concreting.

**Vapor Barriers:**  
 Waterproof membrane (overlapped 6") w/ a permeance of less than .3 Dens in accordance w/ ASTM E-96 under all interior slabs on fill.

**Finishing:**  
 See Architectural drawings for requirements.

**REINFORCING STEEL:** (Conforming to ACI-318)  
 Reinforcing bars:  
 Conforming to ASTM A-615, grade 60, including col. & beam ties.  
 Welded Wire Fabric:  
 Conforming to ASTM A-185 and supported on slab bolsters spaced at 2'-0" on center.

**WOODWORK:**  
 Formwork:  
 Heavy forms thus shown in plan shall be erected prior to the structure above being poured.  
 Non Bearing:  
 Heavy forms thus shown in plan shall be erected after concrete structure has been poured and all shoring has been removed hold clear of overhead concrete until anticipated deflection above has occurred.

**Mortar:**  
 Conforming to ASTM C-270, Type M (2500 Psi).

**Concrete Linings (Optional):**  
 Conforming to ASTM C-1157, 4" w/ EPS.  
 Openings to 8" x 8" x 8" w/ EPS & S.

**SOIL CONNECTIONS:**  
 Fill and backfill shall be compacted to a minimum of 95% of the maximum density at optimum moisture as determined by the Standard Proctor Test.

**COORDINATION:**  
 Coordinate all dimensions, elevations & openings with Architectural, Electrical & Mechanical drawings. Report any discrepancies to our office.

**TIMBER:**  
 All rafters to have a min. stress grade of F-1500 P-11.  
 All roof members to be secured to tie beam or other structural element with hurricane straps.

**STRUCTURAL STEEL:**  
 Conforming to ASTM A-36, bolts to ASTM A-325 and JS columns to ASTM A-513 (Fy=46 KSI).  
 Provide one shop coat of rust inhibiting paint (minimum 3 mil dry film thickness). Touch up as required after erection.  
 Fabrication and erection in accordance with the latest AISI specifications.

**WELDING:**  
 All welding to be performed by certified welders, using E-70 spools, low hydrogen electrodes (stored according to AWS requirements).

**APPROVALS:**  
 Submit Shop Drawings for the following items:  
 Reinforcing Steel, Structural Steel.

Submit Laboratory Reports for the following items:  
 Concrete, Compaction, Welding.

**LIVE LOADS:**  
 40 Psf private areas - 30 Psf Roof.

**SHOP DRAWING SUBMITTALS:**  
 Submit one sealed and one blueprint of all shop drawings required in the approved section above. If signed and sealed shop drawings are required, then submit the additional signed and sealed blueprints for approval.  
 Any shop drawing required to be signed and sealed that is submitted without the signature and seal of a Florida Registered Professional Engineer will not receive final approval.  
 As per FS 471 the following items must be submitted with signed and sealed shop drawings:  
 2 - Piles.

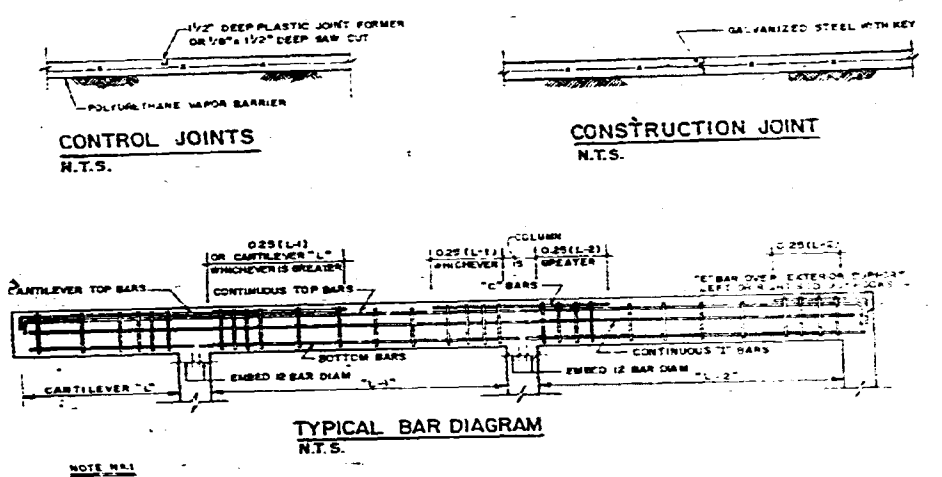
**PILES:**  
 Estimated Pile Lengths see specifications or soils report.  
 Precast piles manufactured & driven according to the "Concrete Standard Building Code" art.1302.

— Pile Size      Compression      Tension  
 12x12              50 kips              0

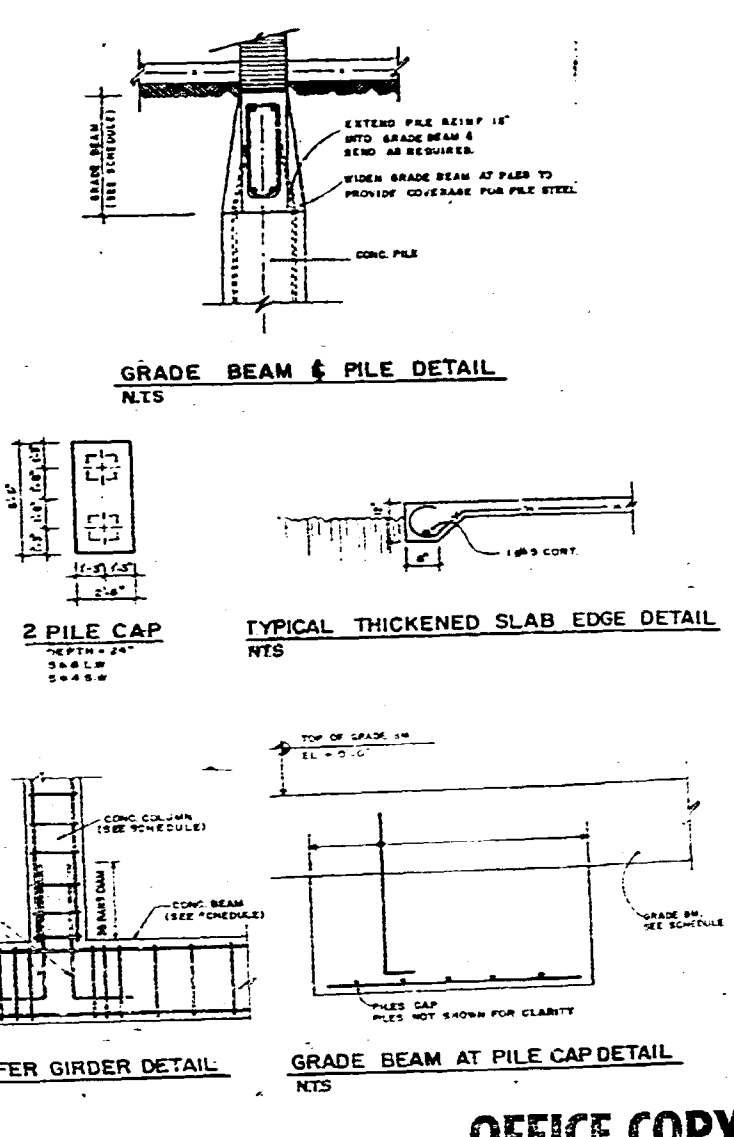
**SHORING AND RESHORING:**  
 All shoring and reshoring required in this project is to be designed by a Florida Registered Professional Engineer who specializes in formwork design and who has been hired by the General Contractor. The Shoring Engineer is to supervise all shoring and reshoring installations and shall certify to the Engineer of Record their adequacy prior to any slab pour.

**SAFETY, OSHA & LABOR LAWS:**  
 Safety and compliance with OSHA and Labor laws is the absolute responsibility of the General Contractor and those Consultants he hires to address these matters.  
 The Structural Engineer of Record does not assume or presume to possess any knowledge or expertise in matters relating to job safety, OSHA or Labor Law requirements for a construction project.  
 The Structural Engineer of Record specializes in structural design only and the Board of Professional Regulation forbids his from assuming responsibility in any area outside of his area of expertise.

BEAM SCHEDULE									
MARK	ELEV	SIZE	REINFORCEMENT			STIRRUPS		REMARKS	
			BOT	TOP	C	NO.	SPACING EF		
27B-1	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-2	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-3	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-4	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-5	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-6	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-7	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-8	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-9	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN
27B-10	120'-0"	24"x24"	2#6	2#6			2#6	4'-0"	10'-0" FROM FACE OF COLUMN



COLUMN SCHEDULE				
MARK	SIZE	REINFORCEMENT		REMARKS
		VERTICALS OR BASE #	TIES OR CAP #	
27C-1	24"x24"	4#6	4#6	
27C-2	24"x24"	4#6	4#6	
27C-3	24"x24"	4#6	4#6	
27C-4	24"x24"	4#6	4#6	
27C-5	24"x24"	4#6	4#6	
27C-6	24"x24"	4#6	4#6	
27C-7	24"x24"	4#6	4#6	
27C-8	24"x24"	4#6	4#6	
27C-9	24"x24"	4#6	4#6	
27C-10	24"x24"	4#6	4#6	



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

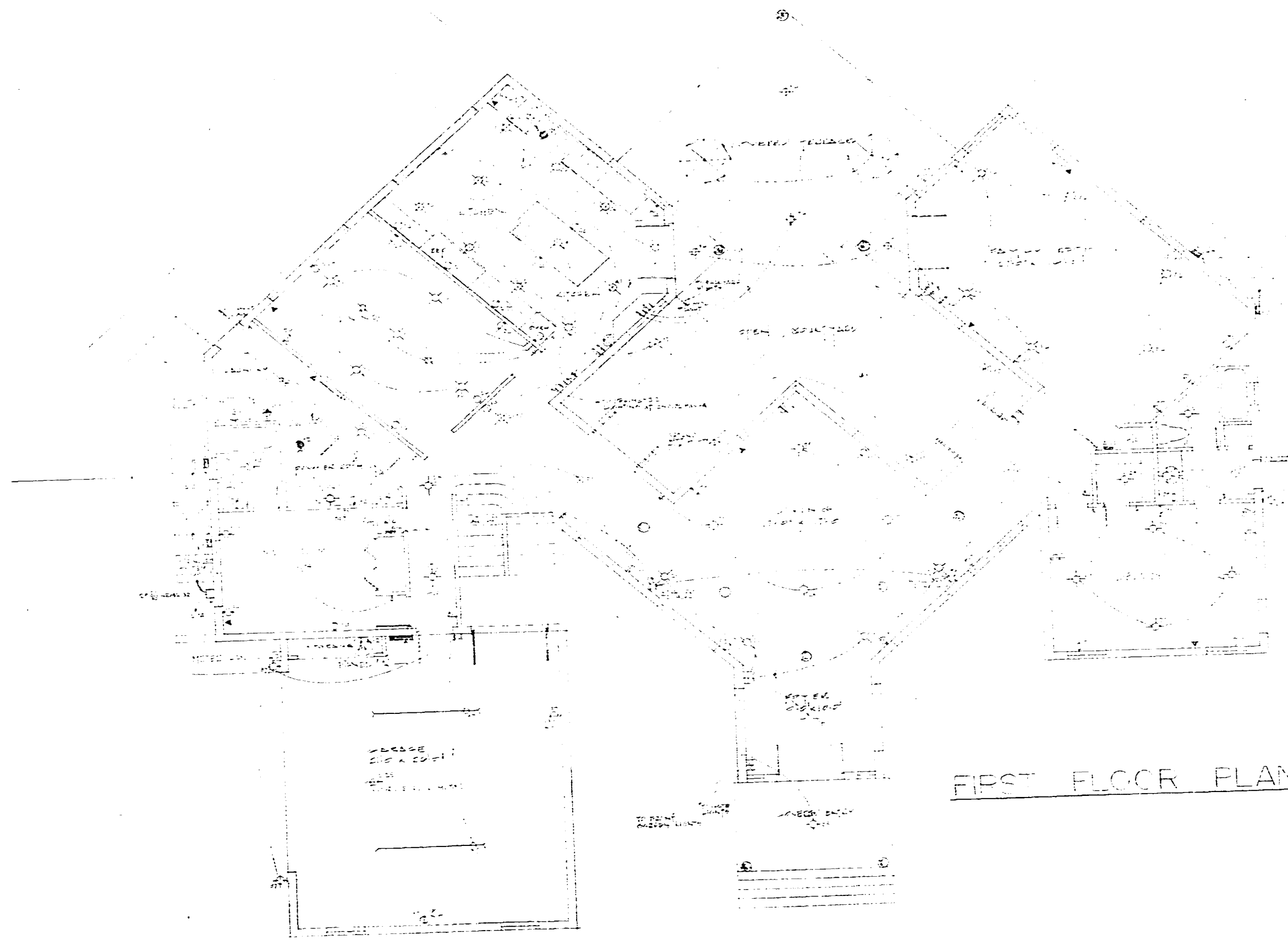
SUBMITTED: 11/14/17  
 DESIGNED: [Signature]  
 CHECKED: [Signature]  
 DATE: 11/14/17

GALLO DESIGN AND  
 DEVELOPMENT INC.  
 P.O. BOX 1415  
 COCONUT GROVE, FL.

F. CARLOS BRACO ARCHITECT  
 106 Madeira

NEW RESUBMIT FOR  
 MR. & MRS. [Name]  
 date: 11/14/17  
 revisions:  
 sheet # 54





**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING	<i>[Signature]</i>
ELECTRICAL	<i>[Signature]</i>
Mechanical	<i>[Signature]</i>
Plumbing	<i>[Signature]</i>
Fire	<i>[Signature]</i>

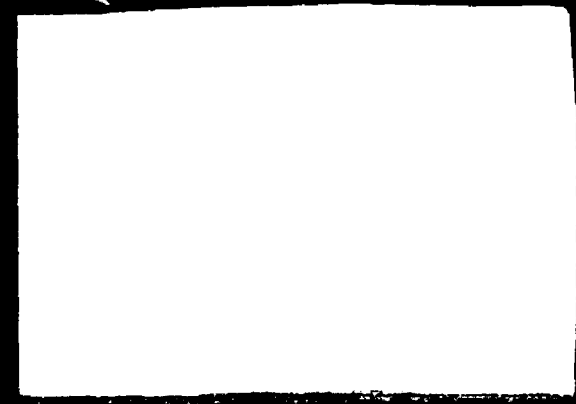
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 TIME: 10:00 AM

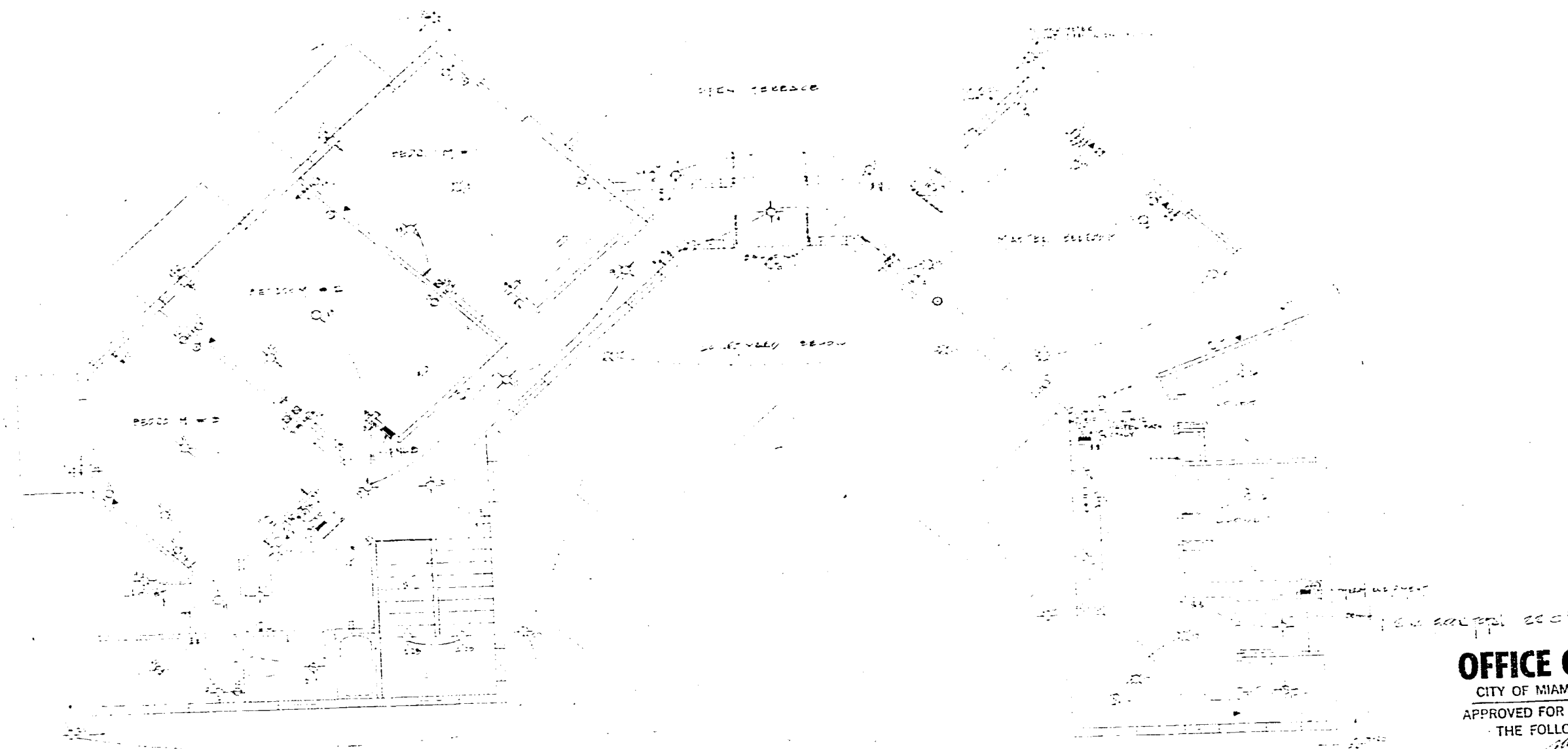
**FIRST FLOOR PLAN (ELECT.)**

CM  
 AUG 16 1978

CALLO DESIGN and DEVELOPMENT INC.  
 P.O. BOX 1416  
 COCONUT GROVE, FLA.  
 P. CARLOS BRAVO ARCHITECT  
 106 MADEIRA  
 NEW RESIDENCE FOR MR. & MRS. KERN GROSSFELD  
 date: \_\_\_\_\_  
 revis: \_\_\_\_\_  
 sheet # \_\_\_\_\_  
 of \_\_\_\_\_

27





**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING: *[Signature]*  
 CIVIL: *[Signature]*  
 PLUMBING: *[Signature]*  
 ELECTRICAL: *[Signature]*  
 MECHANICAL: *[Signature]*

SECOND FLOOR PLAN (ELECT)

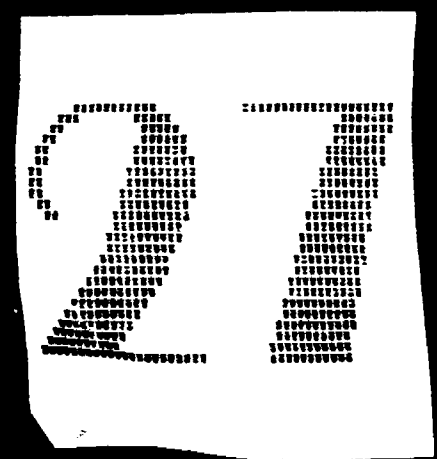
OH  
 AUG 18 1989

GALLO DESIGN and  
 DEVELOPMENT inc.  
 p.o. box 1415  
 COCONUT GROVE, Fla.

P. CARLOS BRAVO ARCHITECT  
 106 madeira  
 coral gables, Fla.

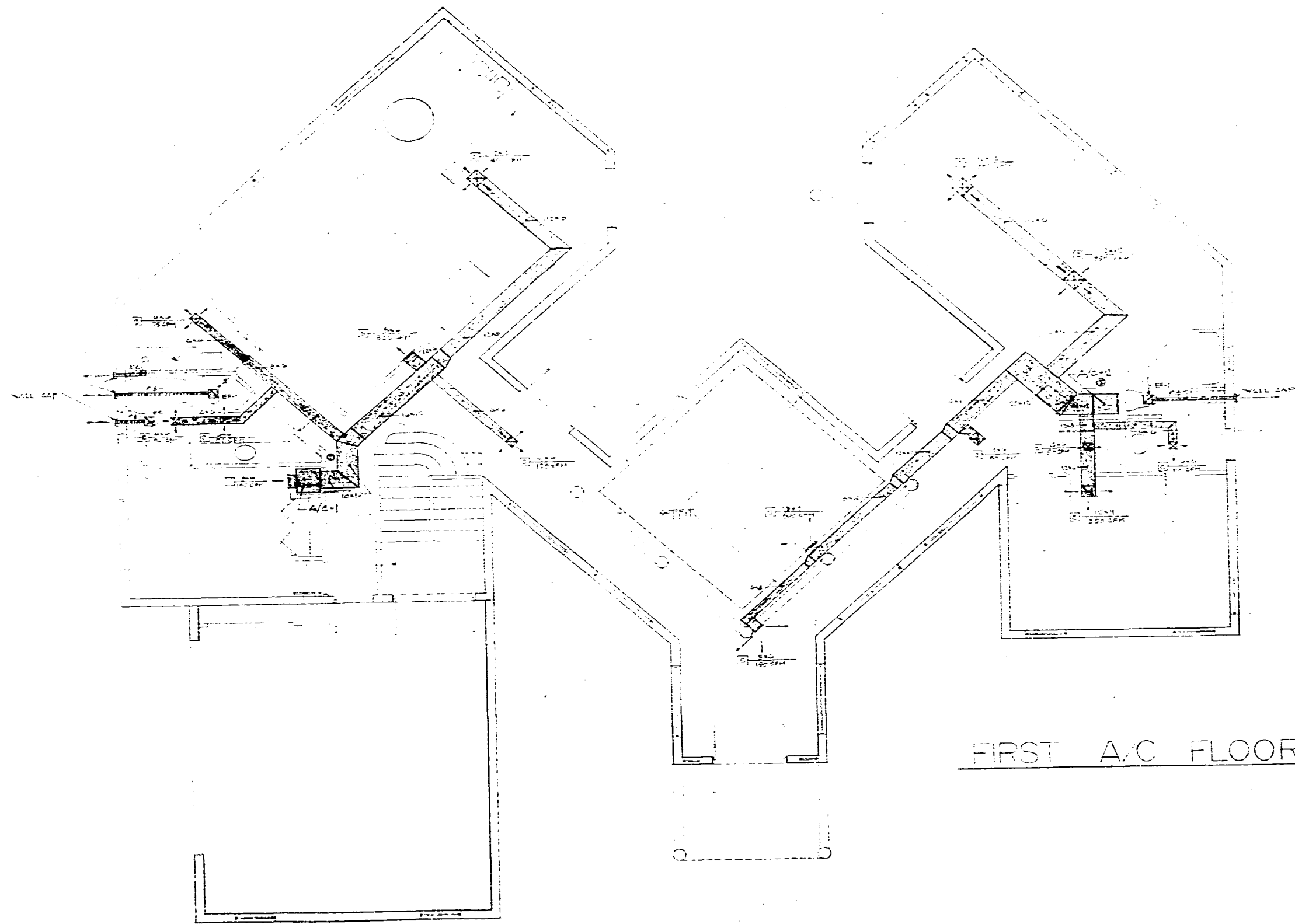
NEW RESIDENCE FOR  
 MR & MRS  
 KEN MCCARTHELY  
 MIAMI BEACH, FLA.

date:  
 revisi:  
 sheet:









FIRST A/C FLOOR PLAN

**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING: *[Signature]*  
 MECHANICAL: *[Signature]*  
 ELECTRICAL: *[Signature]*  
 PLUMBING: *[Signature]*

*[Handwritten signature]*

GALLO DESIGN & D  
 DEVELOPMENT inc.  
 p.o. box 1416  
 COCONUT GROVE, FL.

P. CARLOS BRAVO ARCHITECT

108 madeira

NEW DEPENDENCE TOL  
 M.C. & M.P.S.

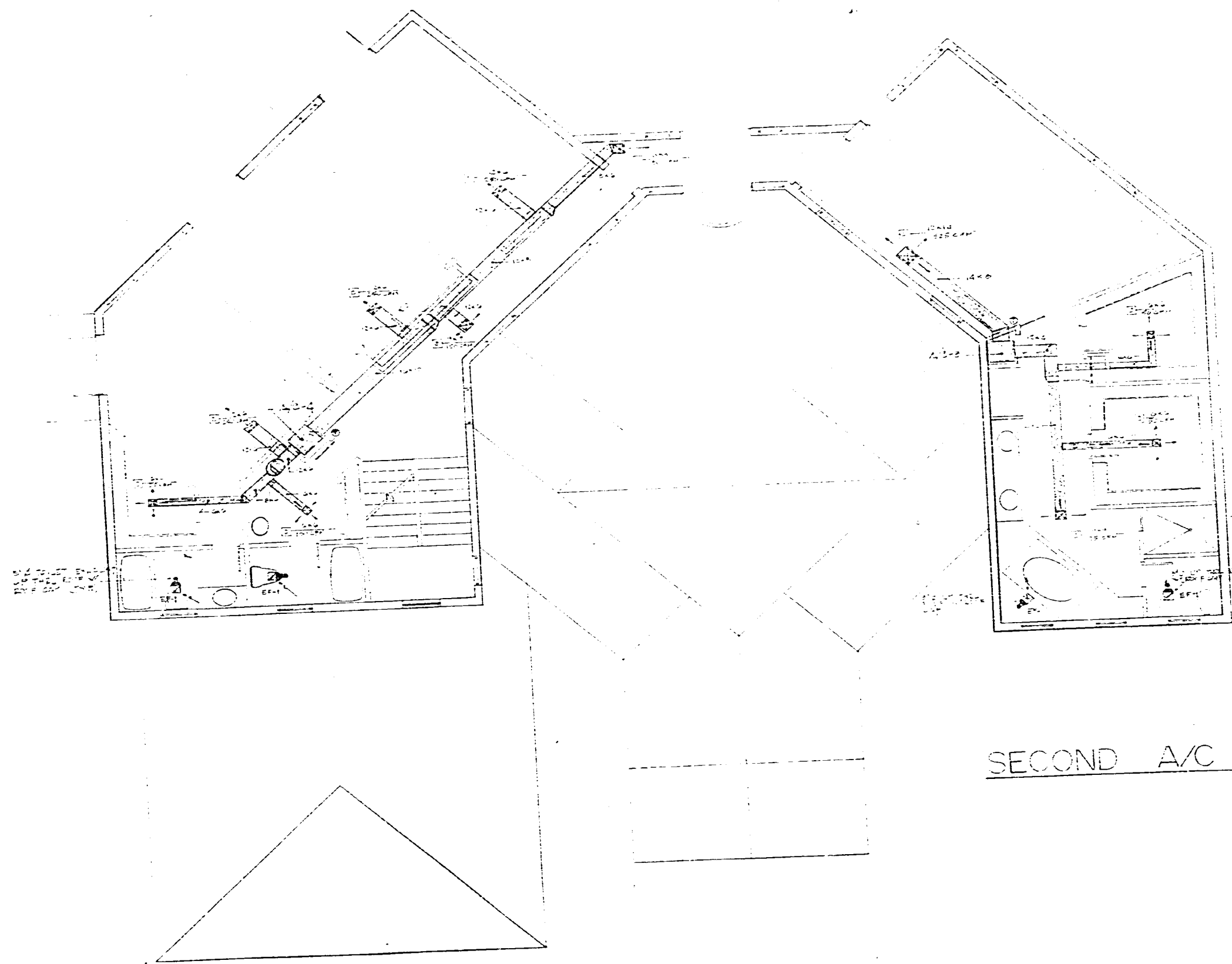
KEN GILBERT

date: 5/1/87  
 revision:

sheet 4/  
 M-1

21





SECOND A/C FLOOR PLAN

**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

DATE: 2/21/87  
 DRAWN BY: J.E. [unclear]  
 CHECKED BY: [unclear]  
 DESIGNED BY: [unclear]  
 PROJECT NO.: [unclear]

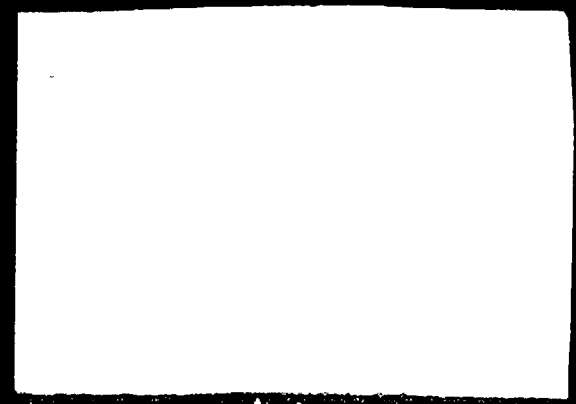
GALLO DESIGN and  
 DEVELOPMENT inc.  
 P.O. box 1415  
 coconut Grove, Fla.

P. CARLOS BRAVO ARCHITECT  
 106 Madeira  
 Miami Beach, Fla.

NEW RESIDENCE FOR  
 MR. & MRS.  
 KEN GROSSFELD  
 MIAMI BEACH, FLA.

date: 2/21/87  
 revision:  
 sheet #:  
 M-2

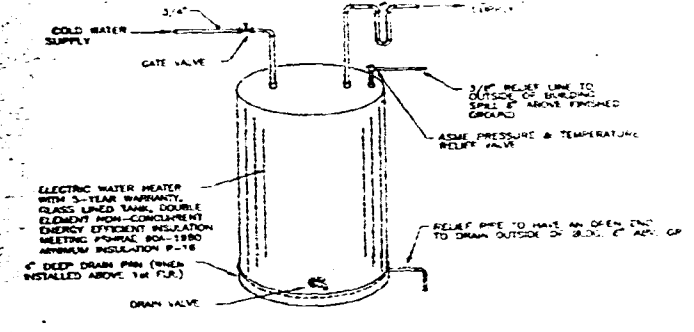
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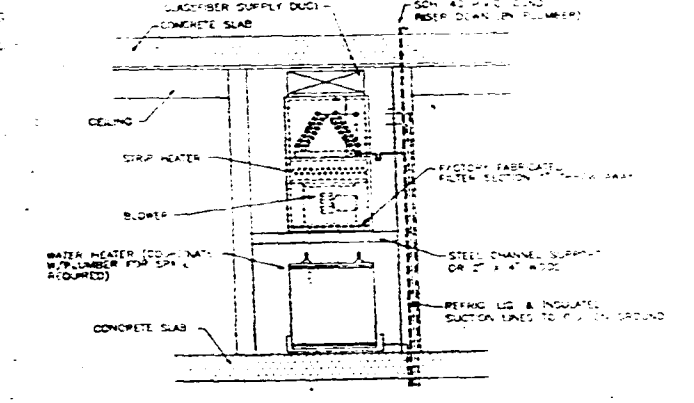
**ELECTRIC WATER HEATER SCHEDULE**

UNIT DESIGNATION	100E	100F	100G
MANUFACTURER	WESTINGHOUSE	WESTINGHOUSE	WESTINGHOUSE
MODEL NO.	100E	100F	100G
GALLONS CAPACITY	30	30	30
SERVICE TEMPERATURE	120	120	120
UPPER ELEMENT	1500	1500	1500
LOWER ELEMENT	1500	1500	1500
TOTAL WATTS	3000	3000	3000
ELECT. SERVICE AVAILABLE	120V	120V	120V
LOCATION	100E	100F	100G

REMARKS: WATER HEATER TO BE INSTALLED IN CLOSET



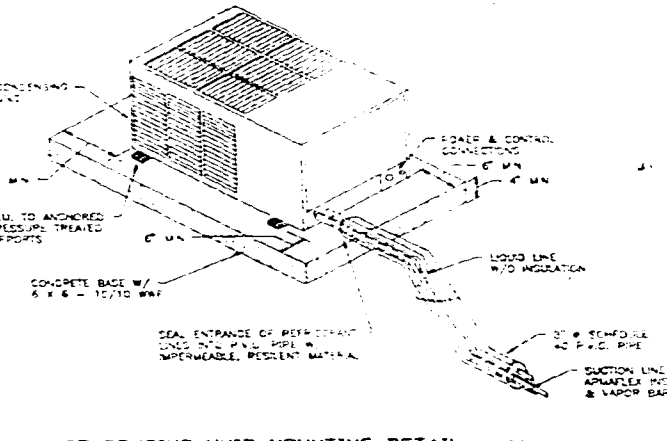
ELECTRIC WATER HEATER DETAIL N.T.S.



TYPICAL A/C EQUIPMENT CLOSET N.T.S.

**VENTILATION EQUIPMENT SCHEDULE**

DESIGNATION	100E
QUANTITY	1
USE	100E
LOCATION	100E
AREA SERVED	100E
MANUFACTURER	WESTINGHOUSE
MODEL NO.	100E
FAN	100E
TYPE	100E
AIR FLOW (C.F.M.)	100E
EXTERNAL STATIC PRESSURE (" W.G.)	100E
FAN SPEED (R.P.M.)	100E
MOTOR	100E
TYPE	100E
HORSEPOWER (H.P.)	100E
FULL LOAD AMPS	100E
ELECTRICAL SERVICE AVAILABLE	100E
STARTER TYPE	100E
STARTER FURNISHED BY	100E
GENERAL DATA	100E
LOCATION	100E
MASONRY OPENING REQUIRED	100E
OPERATING WEIGHT	100E
ACCESSORIES	100E
FACTORY CURB	100E
SERVICE SWITCH	100E
FIRESTAT	100E
BACKDRAFT DAMPER	100E
BIRD SCREEN	100E
DISCHARGE ISOLATOR	100E
VIBRATION ISOLATORS	100E
DEF. MINIMUM STATIC DEFLECTION	100E
AUTOMATIC CONTROLS	100E
TYPE	100E
DESCRIPTION	100E



CONDENSING UNIT MOUNTING DETAIL N.T.S.

**AIR CONDITIONING SCHEDULE**

UNIT DESIGNATION	100E	100F	100G
AREA OR UNIT SERVED	100E	100F	100G
MANUFACTURER	WESTINGHOUSE	WESTINGHOUSE	WESTINGHOUSE
MAX. COOL. UNIT MODE	100E	100F	100G
CONDENSING UNIT MODEL	100E	100F	100G
ELECTRICAL SERVICE AVAILABLE	100E	100F	100G
SYSTEM AMPS	100E	100F	100G
SYSTEM EER	100E	100F	100G
SYSTEM COP	100E	100F	100G
SUPPLY AIR C.F.M./STATIC PRESS	100E	100F	100G
FAN MOTOR H.P.	100E	100F	100G
TOTAL COOLING CAPACITY, BTU/H	100E	100F	100G
TOTAL SENSIBLE CAPACITY, BTU/H	100E	100F	100G
OUTSIDE SUMMER DESIGN, Fdb/Fwb	100E	100F	100G
HEATING SYSTEM TYPE	100E	100F	100G
TOTAL HEATING CAPACITY, BTU/H	100E	100F	100G
HEATER RATING	100E	100F	100G
OUTSIDE WINTER DESIGN, Fdb	100E	100F	100G
REFR. LINE SIZES O.D. SUCTION/LIQ	100E	100F	100G
DESIGN CRITERIA	100E	100F	100G
COOLING & HEATING LOAD METHOD	100E	100F	100G
INDOOR & OUTSIDE DESIGN TEMPERATURES	100E	100F	100G
INDOOR	100E	100F	100G
WINTER	100E	100F	100G
OUTSIDE	100E	100F	100G
SUMMER	100E	100F	100G
WINTER	100E	100F	100G
OTHER DESIGN PARAMETERS	100E	100F	100G
GLASS AREA	100E	100F	100G
GLASS U-FACTOR	100E	100F	100G
INSULATION	100E	100F	100G
REFR. INSULATION	100E	100F	100G

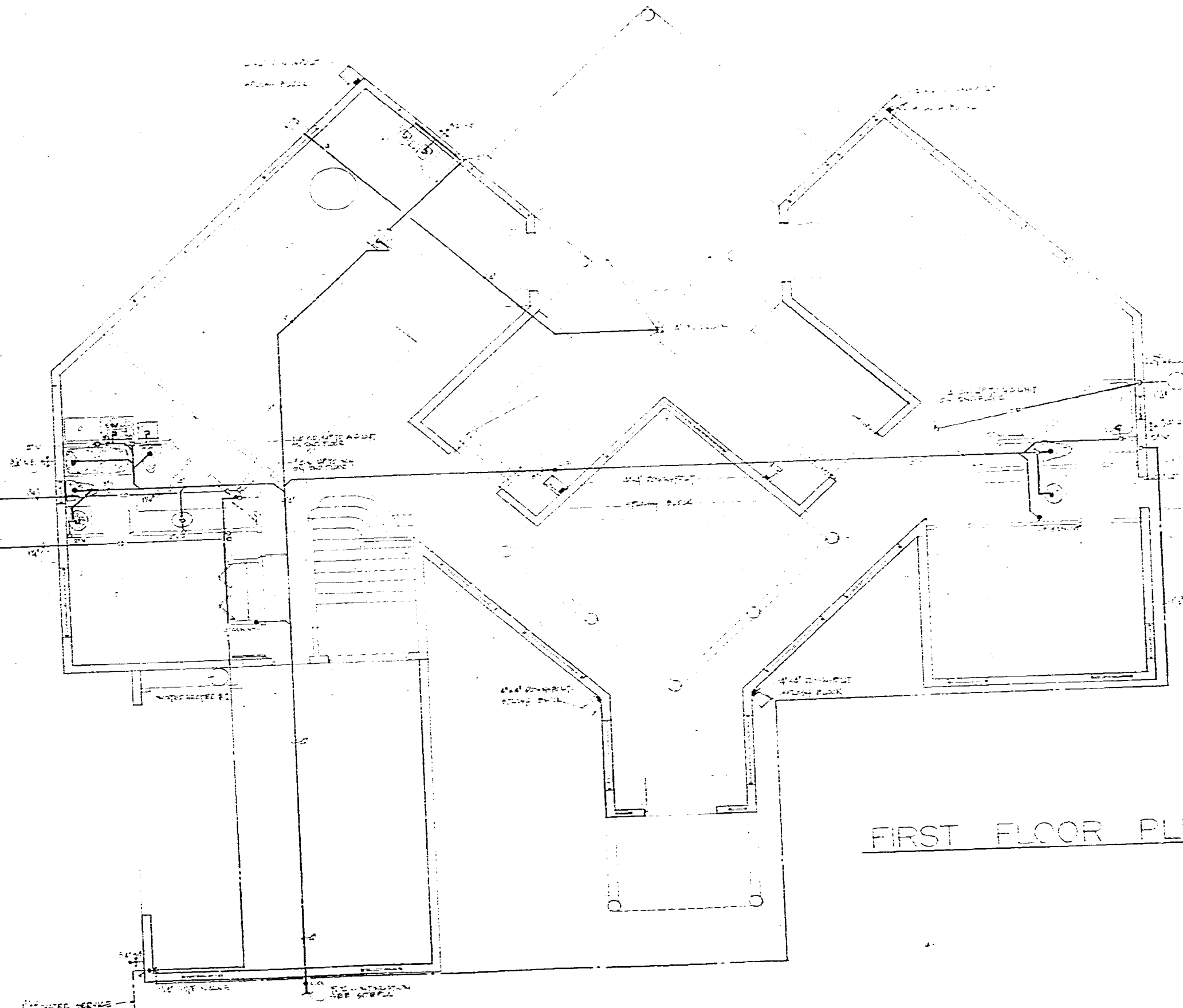
OFFICE COPY  
CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:  
ENGINEER  
ARCHITECT  
ELECTRICIAN  
MECHANICAL  
PLUMBER  
REFRIGERATION  
INSULATION

**AIR CONDITIONING NOTES**

- GENERAL
- INSTALL ALL NECESSARY MATERIALS AND LABOR FOR A COMPLETE OPERATIONAL AIR CONDITIONING SYSTEM IN ACCORDANCE WITH THE DRAWINGS AND LOCAL ORDINANCES.
- INSTALL ALL NECESSARY MATERIALS AND LABOR FOR A COMPLETE OPERATIONAL AIR CONDITIONING SYSTEM IN ACCORDANCE WITH THE DRAWINGS AND LOCAL ORDINANCES.
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P. CARLOS BRAVO ARCHITECT  
 GALLO DESIGN and DEVELOPMENT inc.  
 P.O. BOX 1418  
 GREENBAY GROVE, FLA.  
 106 medeira  
 NEW PENSACOLA TOWER  
 MO. 2 MRS.  
 KEN GROSSFIELD  
 date: 5/4  
 revised  
 sheet #  
 M-3





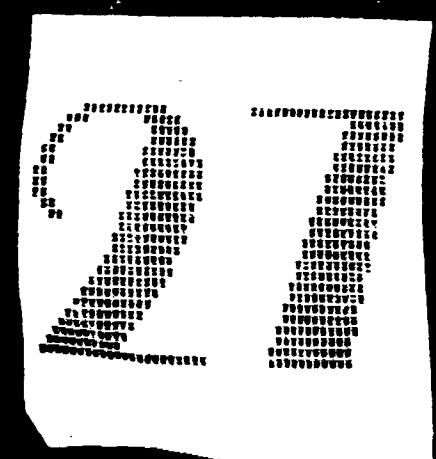
- PLUMBING NOTES**
1. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  2. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  3. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  4. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
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  11. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  12. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  13. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  14. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  15. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  16. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  17. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  18. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
  19. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PLUMBING CODE AND THE NATIONAL PLUMBING CODE.
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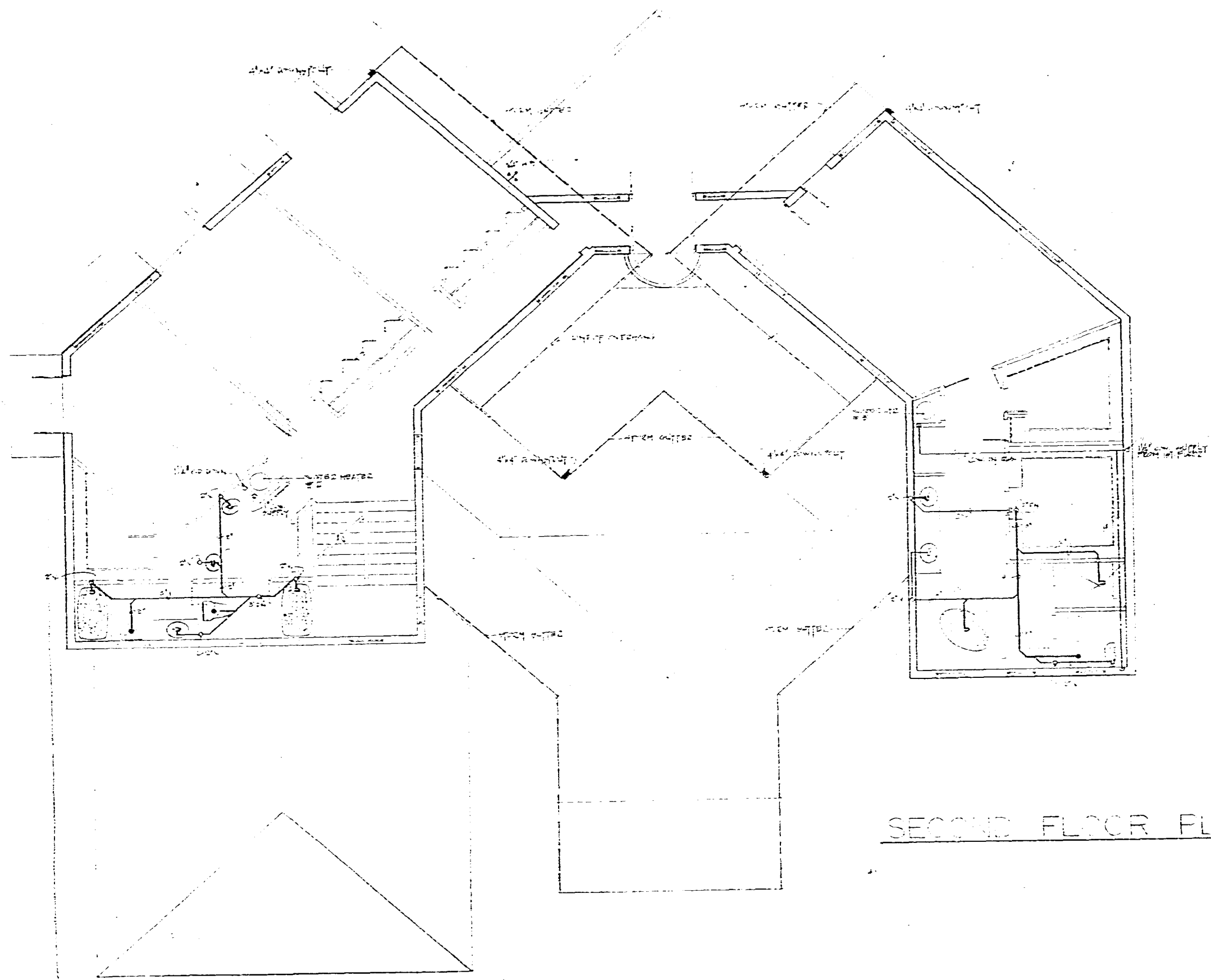
**FIRST FLOOR PLUMBING PLAN**

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

BUILDING	106 4/18/20
OWNER	106 4/18/20
DESIGNER	
DATE	
SCALE	
PROJECT NO.	

GALLO DESIGN and DEVELOPMENT inc.  
 p.o. box 1415  
 coconut grove, fla.  
 106 4/18/20  
 106 madeira  
 106 4/18/20  
 MIAMI BEACH, FLA.





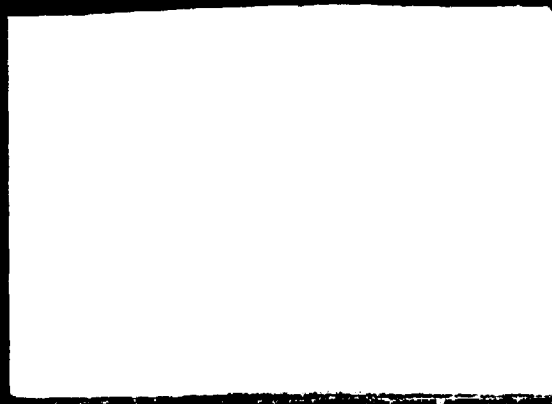
SECOND FLOOR PLUMBING PLAN

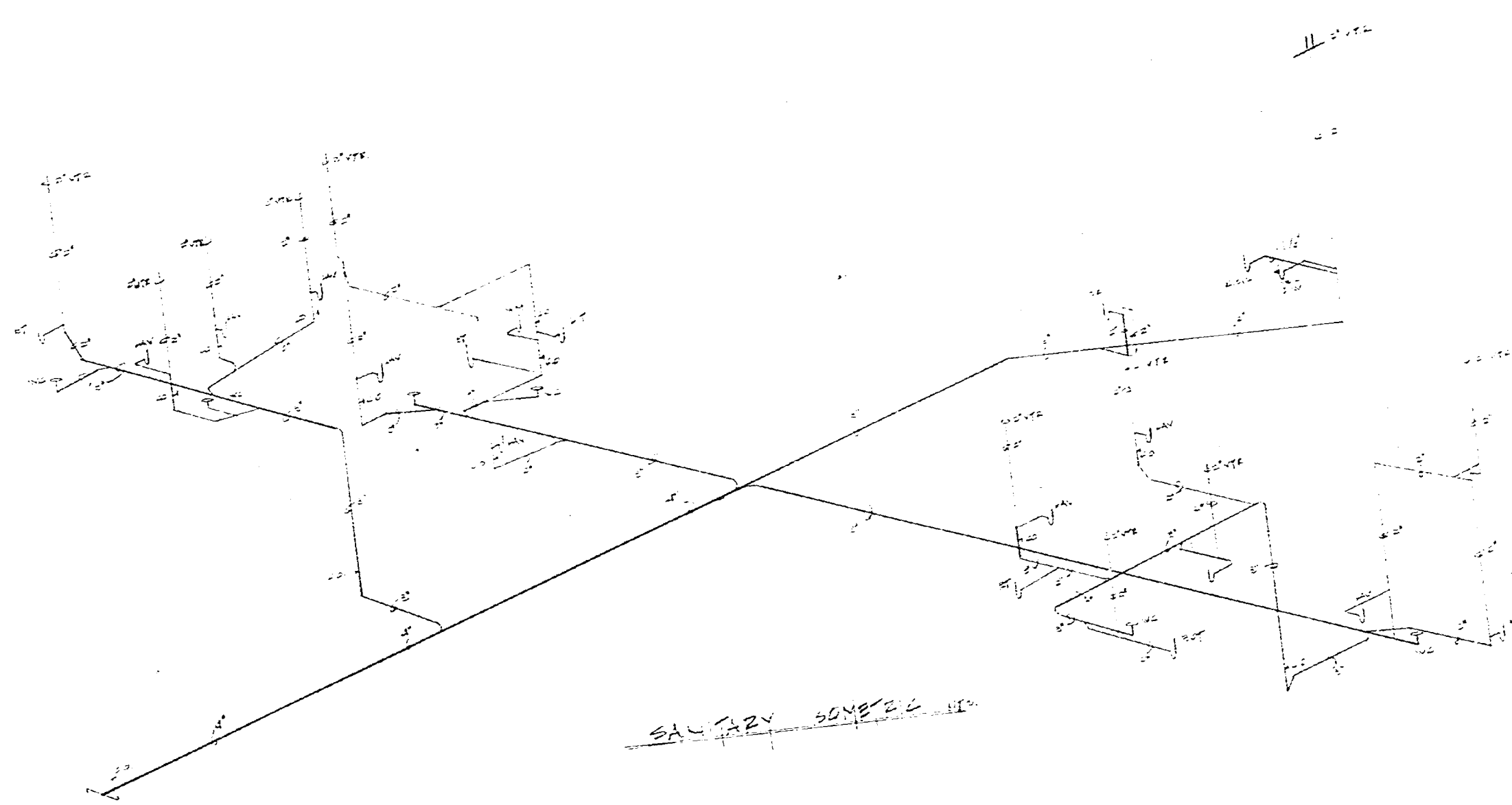
**OFFICE COPY**  
 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING	<i>[Signature]</i>
PLUMBING	<i>[Signature]</i>
ELECTRICAL	_____
MECHANICAL	_____
FIRE PREVENTION	_____
TRAFFIC ENGINEER	_____

STAFF DESIGN and  
 DEVELOPMENT inc.  
 P.O. BOX 1415  
 COCONA, FLA. 33430

27





SALTY SOMETE

**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BOARD: 11/1/88  
 ZONING: 11/1/88  
 PLANNING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE DEPARTMENT: \_\_\_\_\_  
 PUBLIC WORKS: \_\_\_\_\_

AUG 14 1988

S. DELOAN and  
 DEVELOPMENT inc.  
 P.O. BOX 1415  
 COCONUT GROVE



B8900397

27



PERMIT #

*123456789*

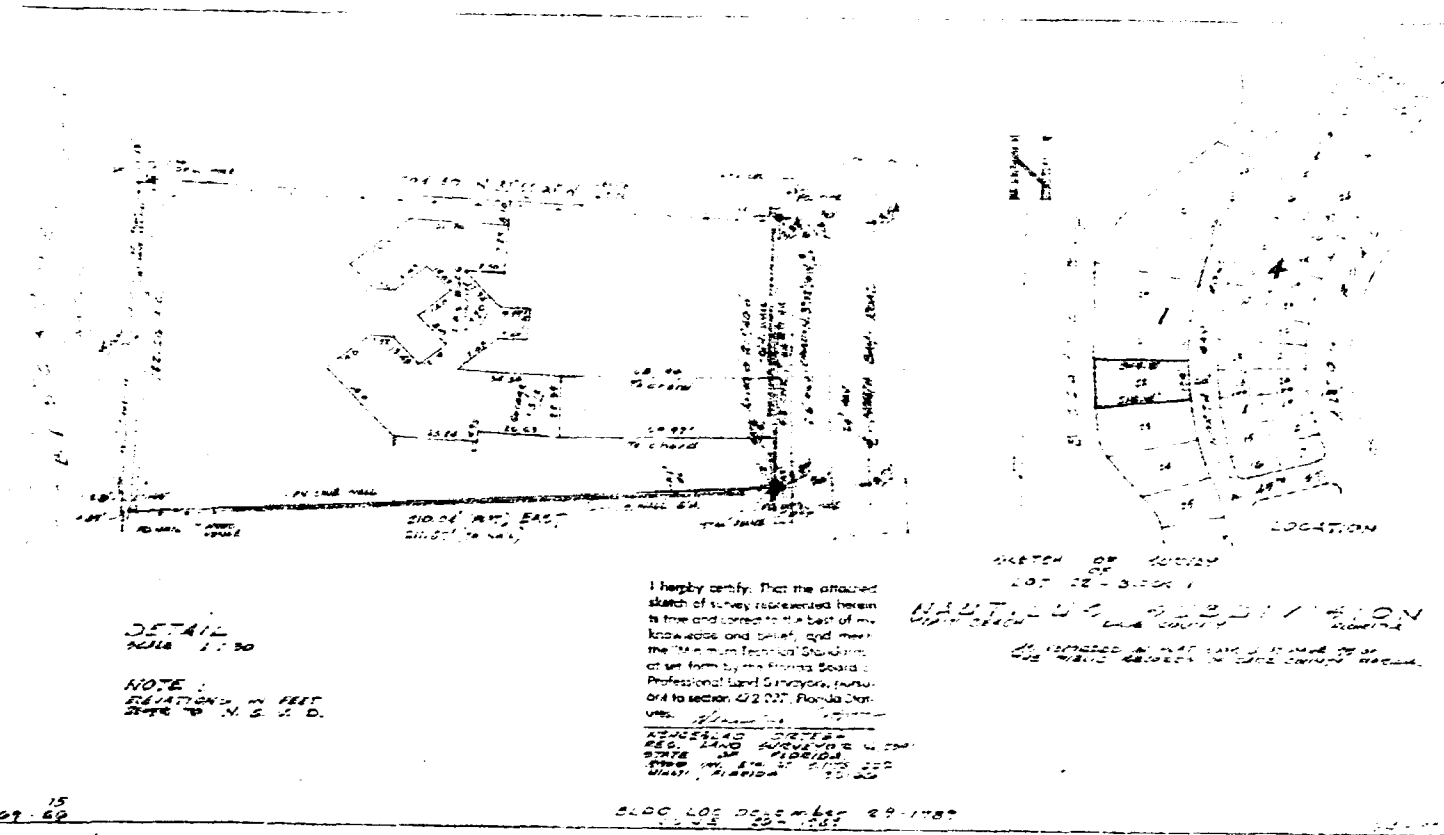
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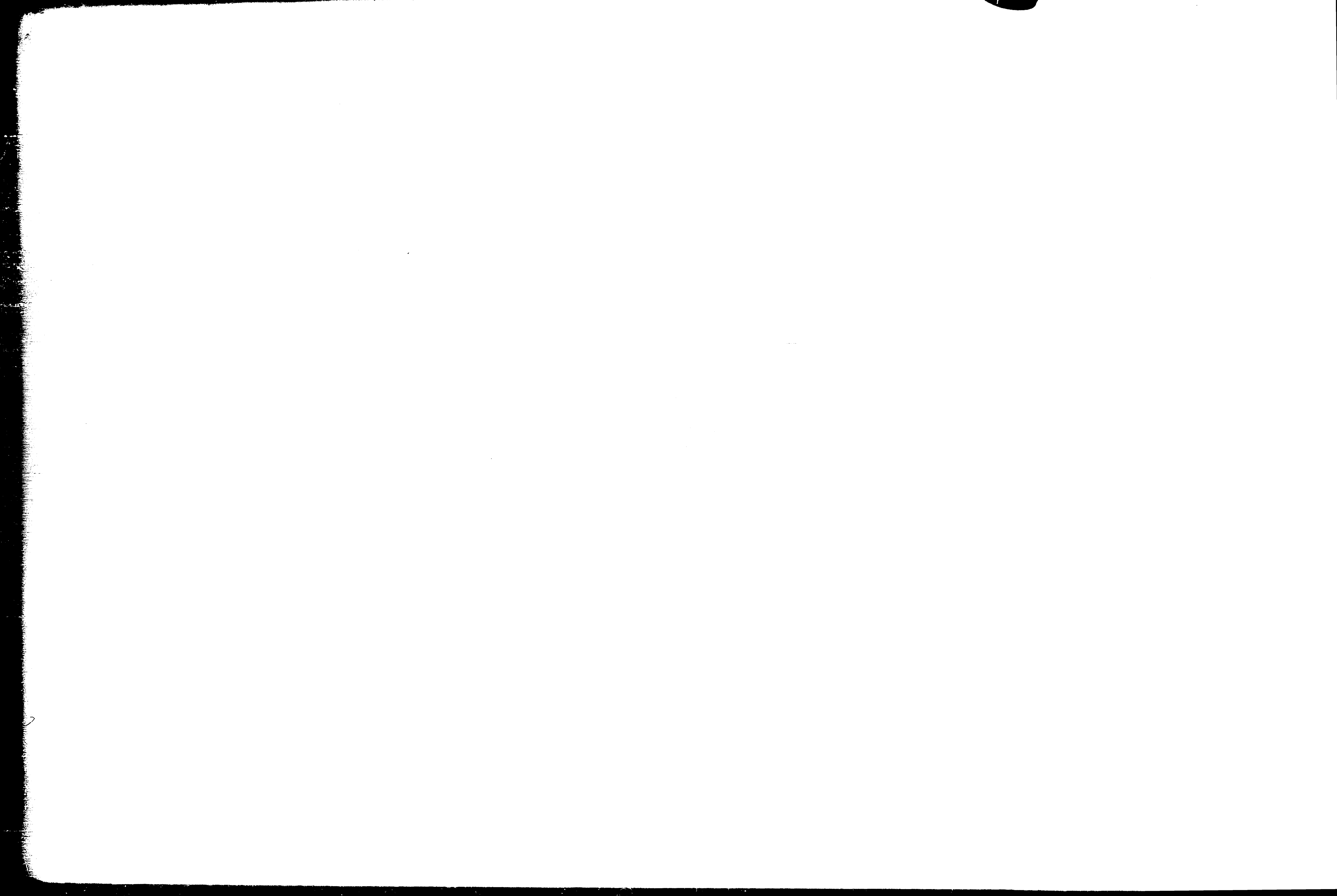


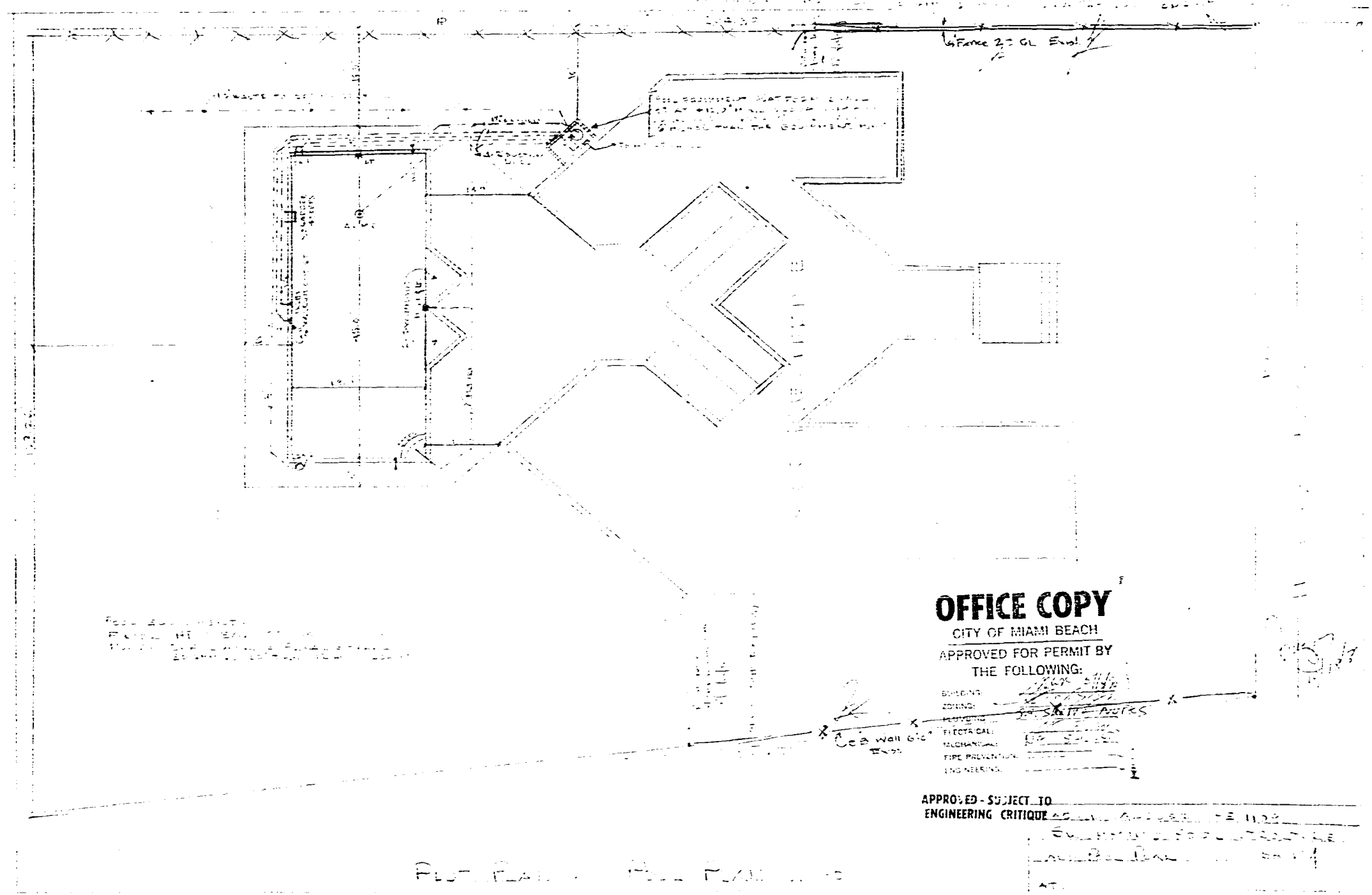
→ 4500 70  
4500  
4500

*[Handwritten signature]*  
2217602

Protein Engineering, Inc  
5/17/98







**OFFICE COPY**

CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY

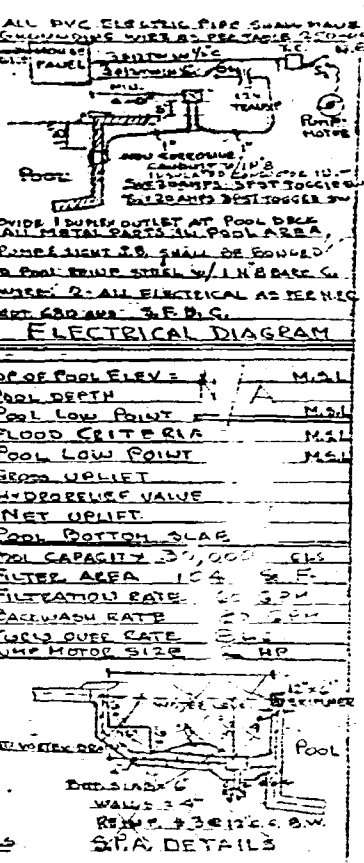
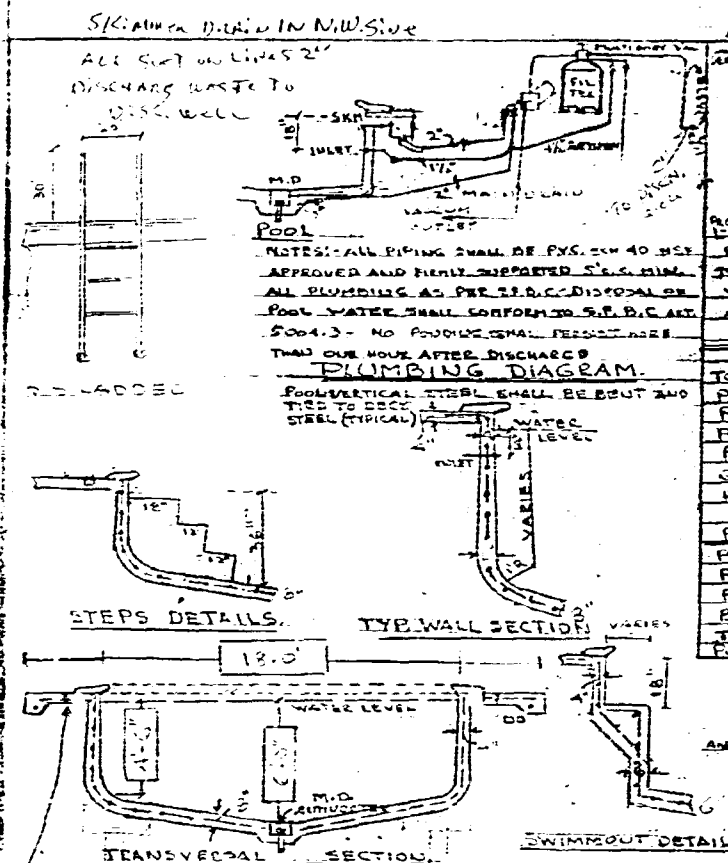
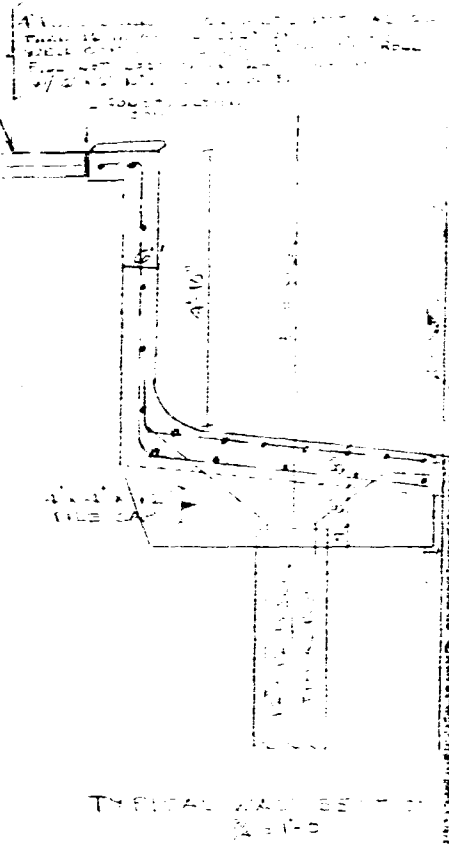
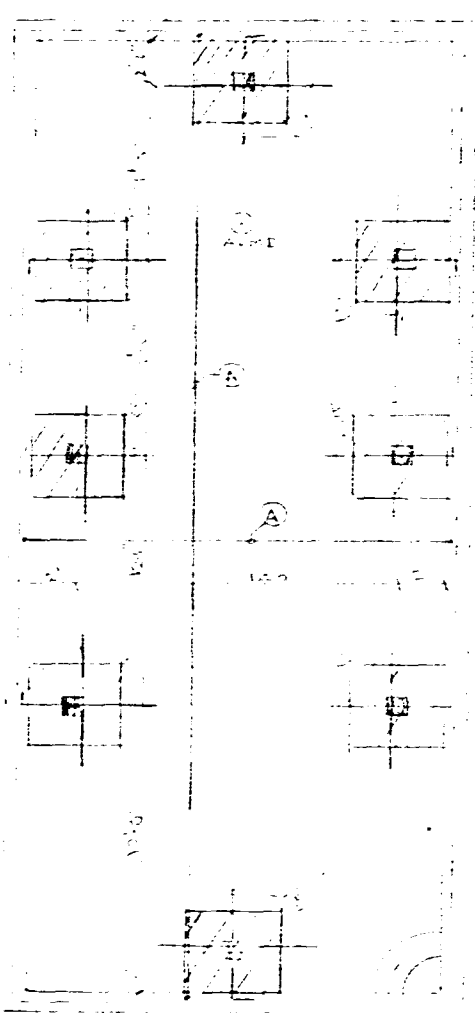
THE FOLLOWING:

DESIGN	_____
REVISION	_____
PERMIT	_____
INSPECTION	_____
ENGINEERING	_____

APPROVED - SUBJECT TO  
 ENGINEERING CRITIQUE

DATE: \_\_\_\_\_

Floor Plan - Full Plan



NOTES:  
 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MIAMI BEACH ORDINANCES AND SPECIFICATIONS.  
 2. THE POOL SHALL BE CONSTRUCTED WITH A MINIMUM DEPTH OF 4 FEET.  
 3. THE POOL SHALL BE SURROUNDED BY A DECK WITH A MINIMUM WIDTH OF 4 FEET.  
 4. THE POOL SHALL BE EQUIPPED WITH A SAFETY COVER.  
 5. THE POOL SHALL BE EQUIPPED WITH A FILTER AND PUMP.  
 6. THE POOL SHALL BE EQUIPPED WITH A HEATER.  
 7. THE POOL SHALL BE EQUIPPED WITH A LIGHTING SYSTEM.  
 8. THE POOL SHALL BE EQUIPPED WITH A SLIP-RESISTANT SURFACE.  
 9. THE POOL SHALL BE EQUIPPED WITH A FENCE AND GATE.  
 10. THE POOL SHALL BE EQUIPPED WITH A SIGN.  
 11. THE POOL SHALL BE EQUIPPED WITH A LIFE RING.  
 12. THE POOL SHALL BE EQUIPPED WITH A LIFE LINE.  
 13. THE POOL SHALL BE EQUIPPED WITH A LIFE BUOY.  
 14. THE POOL SHALL BE EQUIPPED WITH A LIFE PRESERVER.  
 15. THE POOL SHALL BE EQUIPPED WITH A LIFE RAFT.  
 16. THE POOL SHALL BE EQUIPPED WITH A LIFE BOAT.  
 17. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING DEVICE.  
 18. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING EQUIPMENT.  
 19. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING APPLIANCE.  
 20. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING UTENSIL.  
 21. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING TOOL.  
 22. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING INSTRUMENT.  
 23. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MECHANISM.  
 24. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MEANS.  
 25. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING METHOD.  
 26. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MANNER.  
 27. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MODE.  
 28. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MANNER.  
 29. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MANNER.  
 30. THE POOL SHALL BE EQUIPPED WITH A LIFE SAVING MANNER.

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

LONGITUDINAL SECTION

NOTES:  
 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MIAMI BEACH ORDINANCES AND SPECIFICATIONS.  
 2. THE POOL SHALL BE CONSTRUCTED WITH A MINIMUM DEPTH OF 4 FEET.  
 3. THE POOL SHALL BE SURROUNDED BY A DECK WITH A MINIMUM WIDTH OF 4 FEET.  
 4. THE POOL SHALL BE EQUIPPED WITH A SAFETY COVER.  
 5. THE POOL SHALL BE EQUIPPED WITH A FILTER AND PUMP.  
 6. THE POOL SHALL BE EQUIPPED WITH A HEATER.  
 7. THE POOL SHALL BE EQUIPPED WITH A LIGHTING SYSTEM.  
 8. THE POOL SHALL BE EQUIPPED WITH A SLIP-RESISTANT SURFACE.  
 9. THE POOL SHALL BE EQUIPPED WITH A FENCE AND GATE.  
 10. THE POOL SHALL BE EQUIPPED WITH A SIGN.  
 11. THE POOL SHALL BE EQUIPPED WITH A LIFE RING.  
 12. THE POOL SHALL BE EQUIPPED WITH A LIFE LINE.  
 13. THE POOL SHALL BE EQUIPPED WITH A LIFE BUOY.  
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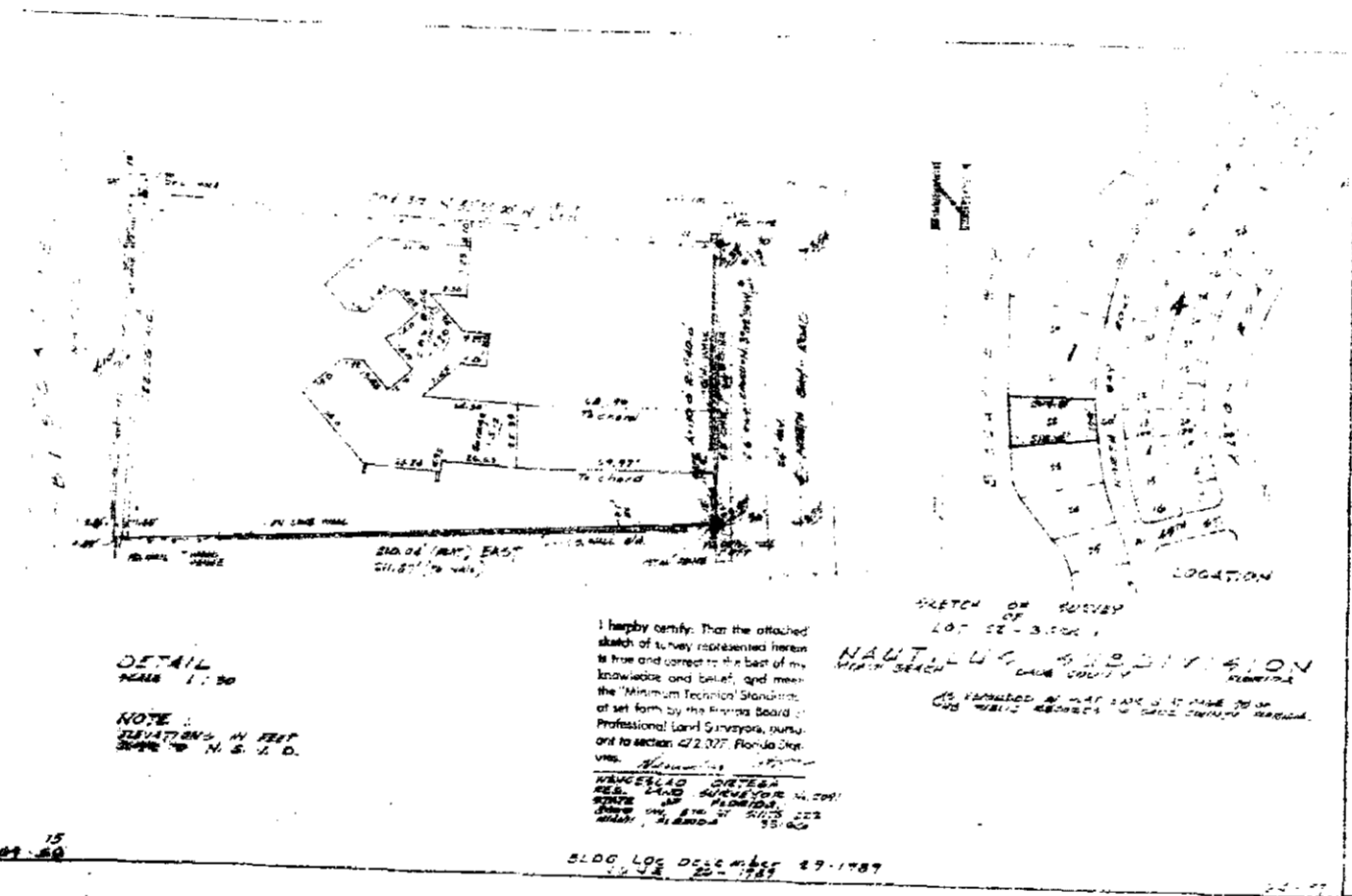
3750000

→ ~~Handwritten~~  
Hand  
8520-



*[Signature]*  
22117602

Procter Engineering Inc  
5/17/92



DETAIL  
PAGE 17 OF 20

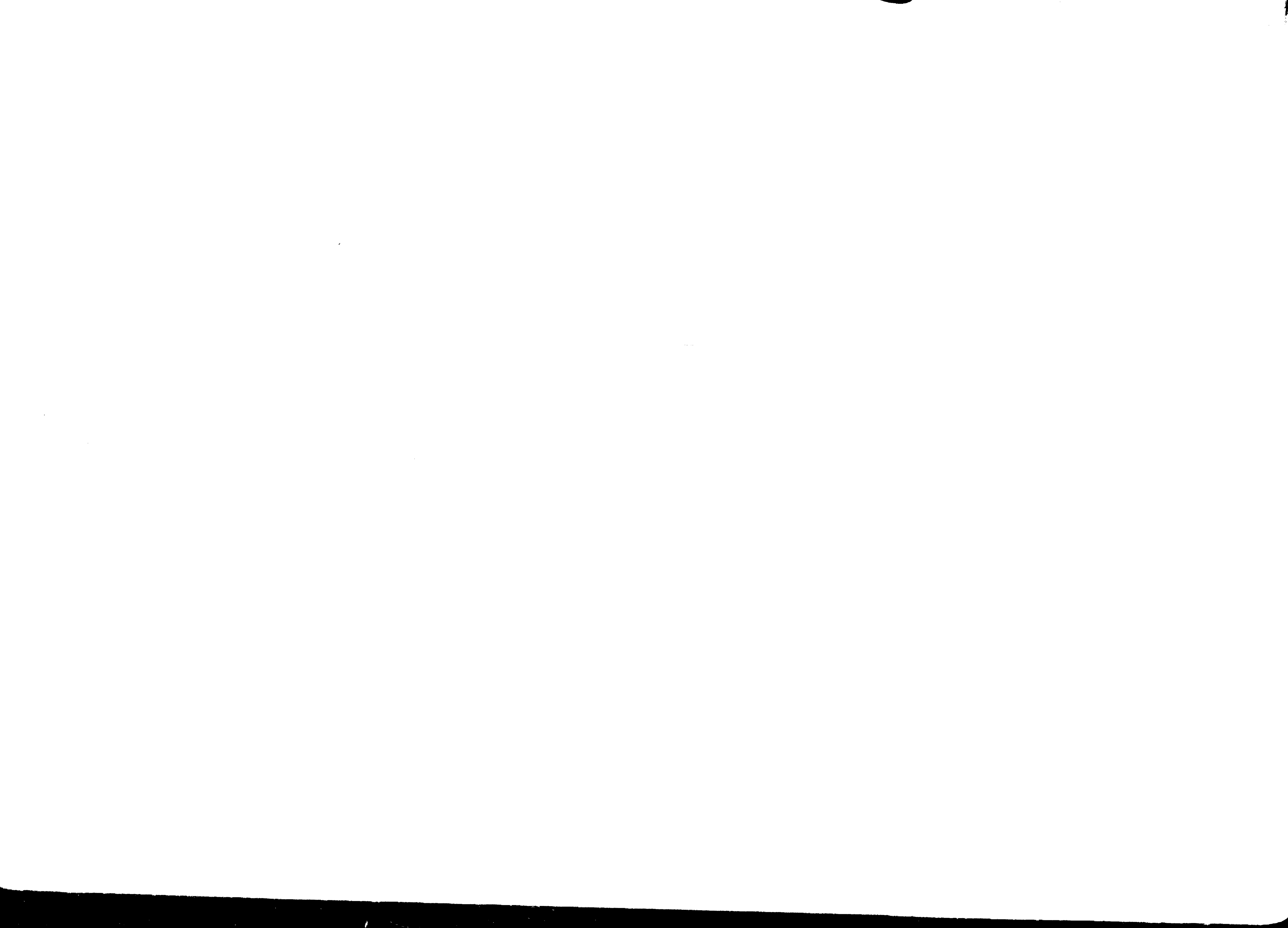
NOTE  
CONSTRUCTION OF THIS  
PLAN BY N.E.S.D.

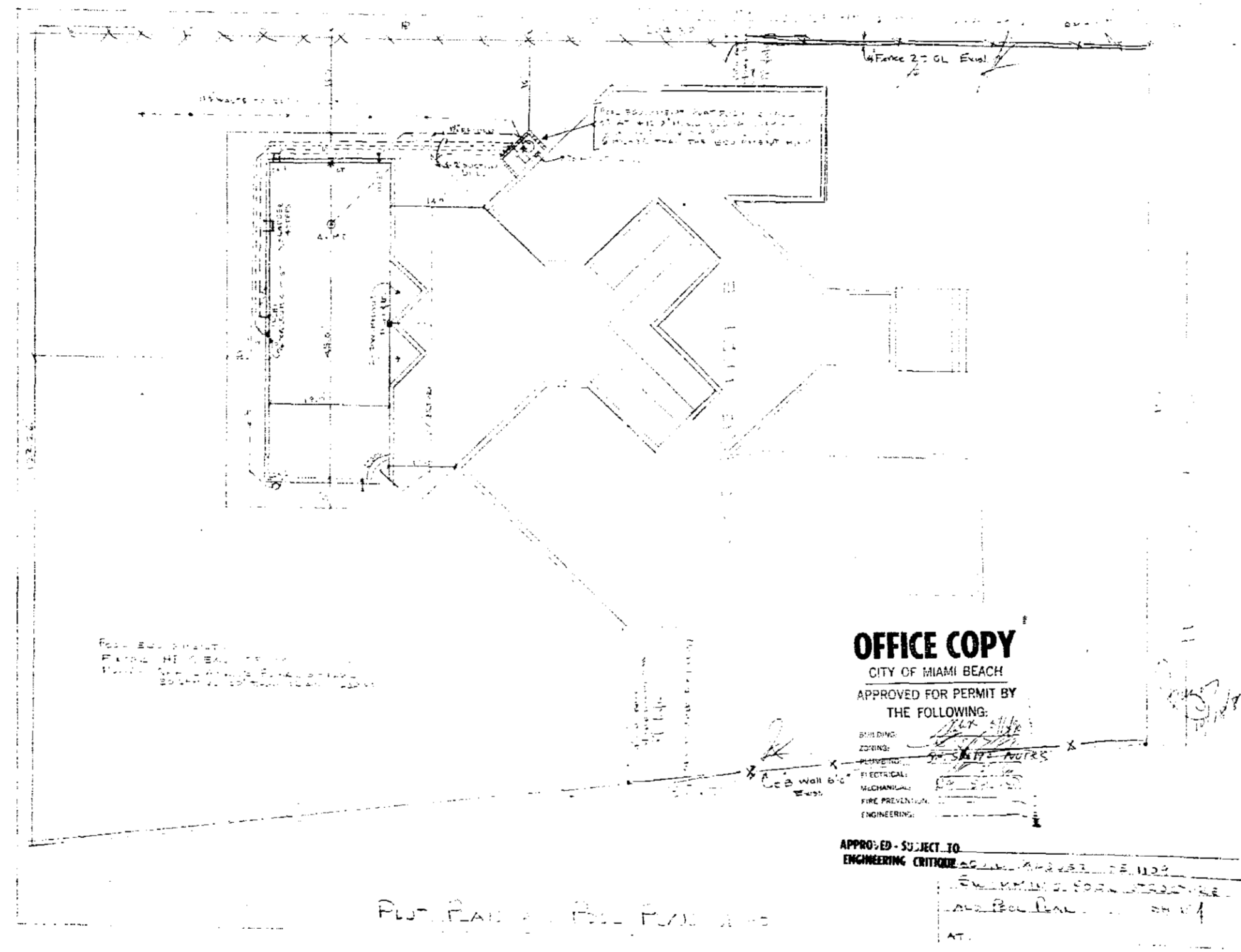
I hereby certify that the attached  
plans of a new residential house  
to be erected on a lot of my  
ownership and land, and meet  
the minimum technical standards  
set forth in the Florida Statutes  
Professional Land Surveyor, county  
of Duval, State of Florida.  
DATE: 10/15/1987  
SIGNATURE: [Signature]

LOCATION  
N  
DATE: 10/15/1987  
SIGNATURE: [Signature]

17

100, 100, 100, 100, 100, 100





**OFFICE COPY**

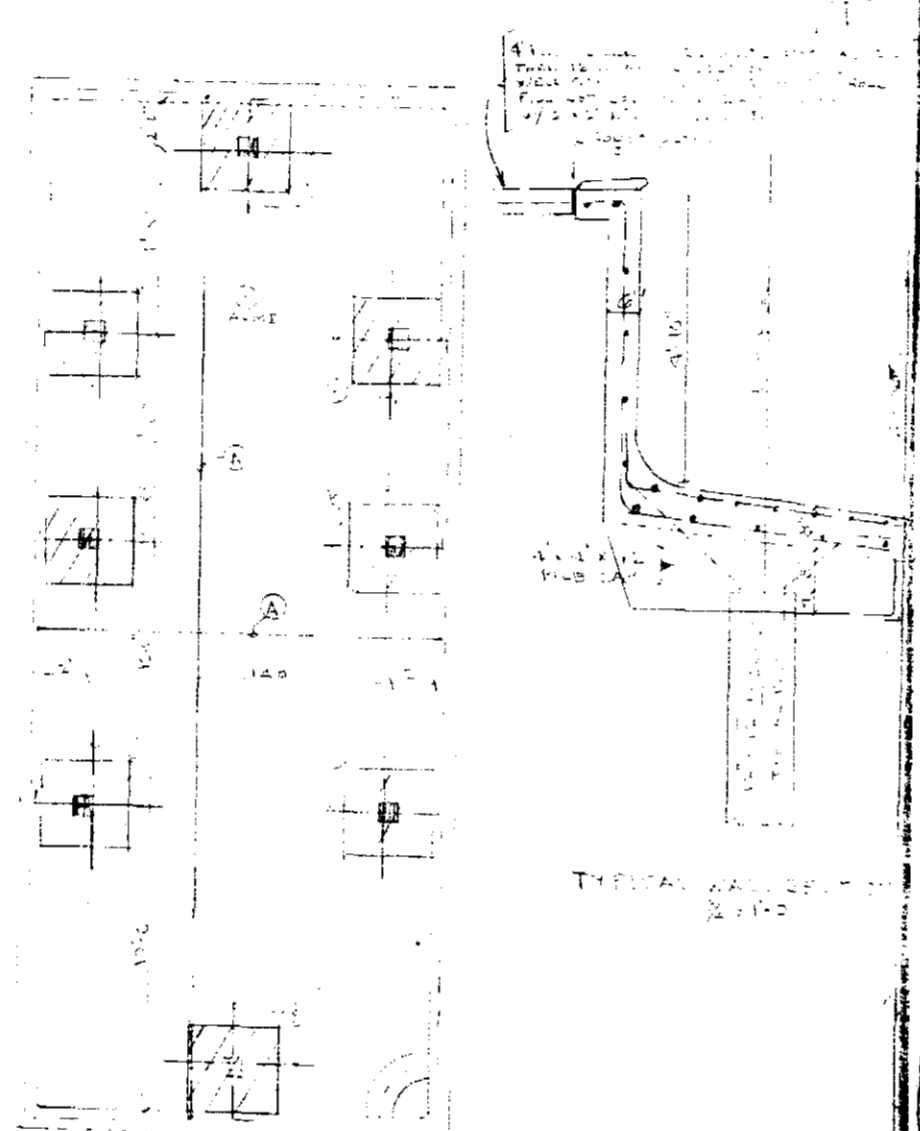
CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

- DESIGN: *[Signature]*
- SEAL: *[Signature]*
- REGISTERED PROFESSIONAL ENGINEER
- REGISTERED PROFESSIONAL ARCHITECT
- REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
- REGISTERED PROFESSIONAL MECHANICAL ENGINEER
- REGISTERED PROFESSIONAL CIVIL ENGINEER

APPROVED SUBJECT TO  
 ENGINEERING CRITERIA

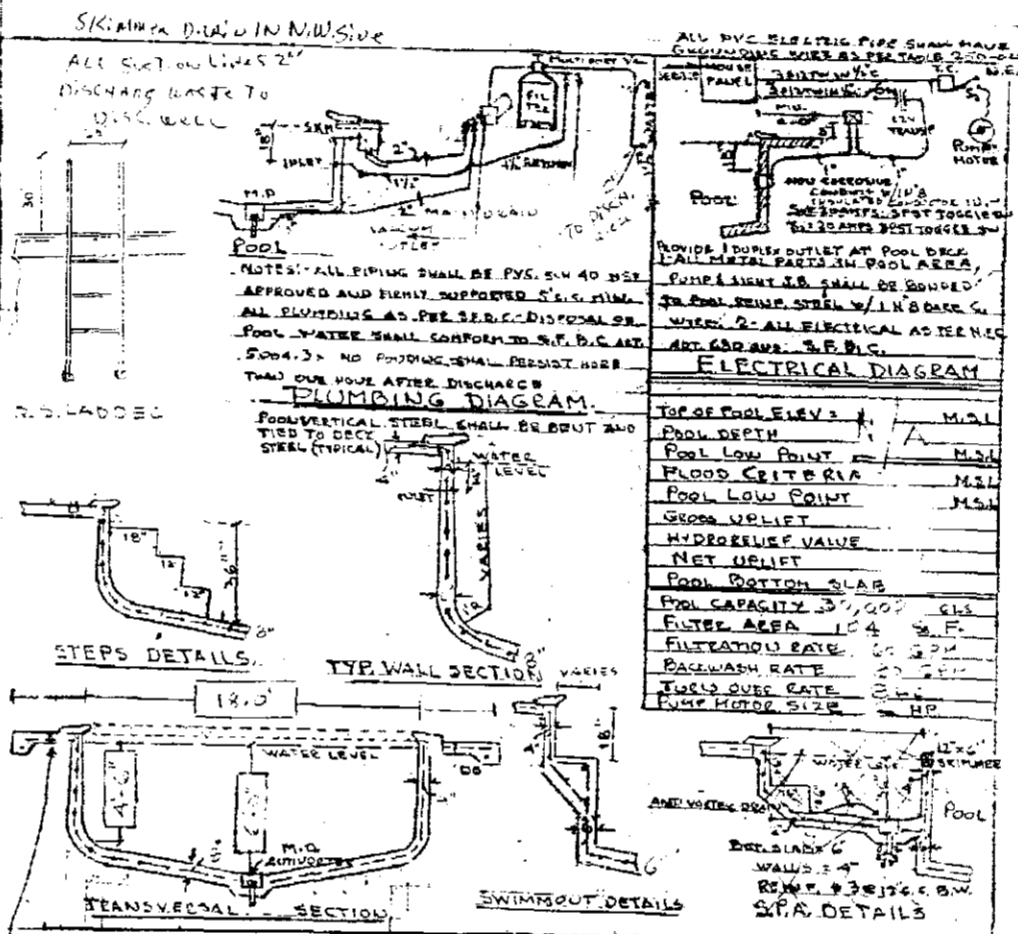
*[Handwritten notes and signatures in the approval block]*

*[Handwritten text at the bottom of the plan, possibly 'PLAN 1000']*



NOTES:  
 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MIAMI BEACH ORDINANCES AND THE INTERNATIONAL BUILDING CODE.  
 2. ALL CONSTRUCTION SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. ALL CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY ENGINEER.  
 4. ALL CONSTRUCTION SHALL BE SUBJECT TO THE CITY ENGINEER'S APPROVAL.  
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 10. ALL CONSTRUCTION SHALL BE SUBJECT TO THE CITY ENGINEER'S APPROVAL.

STRUCTURAL PLAN



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

LONGITUDINAL SECTION

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3/11/11

Permit Number  
ELR1901948  
BR1802617

Main Address  
4540 N N BAY RD  
4540 N N BAY RD

Permit Type  
Electrical - Residential  
Building - Residential

Permit Status  
Finaled  
Finaled

Work Class  
New  
Marine



Project Name

Apply Date

Issue Date

06/20/2019

06/20/2019

09/20/2018

04/22/2019

Expire Date  
12/26/2019  
01/21/2020

Finalize Date  
06/28/2019  
04/17/2019

Inspection Date  
06/28/2019  
07/25/2019

Square Feet	Valuation
270.00	1,000.00
270.00	16,000.00
540.00	17,000.00

Description

BR1802617/Lift electrical connection

NEW TIMBER BOAT JOCK AND ELEVATOR LIFT

Street Number

4540

4540

Street Name

N BAY RD

N BAY RD

# Permit History - PermitsPlus

Total Permits: 39

Permit No	COMP TYPE	SUB TYPE	DESCRIPTION
A9703451	AUTOPROJ	OTH	PLACING PYRAMID STONES ON SWALE
BA905626	AUTOPROJ	NEW	INST 13T SYS DT WK ST HT
BA906580	AUTOPROJ	OTH	SWIMMING POOL & DECK
BA911049	AUTOPROJ	NEW	NEW 5024 SQ.FT. SINGLE FAMILY
BA914705	AUTOPROJ	OTH	REMOLDING NEW FIXTURES
90000385	AUTOPROJ	OTH	POOL PIPE REPAIR
90002728	AUTOPROJ	OTH	DISCHARGE WELL POOL
A9512733	AUTOPROJ	OTH	FAILING TO REMOVE TRASH/DEBRIS
A9503986	AUTOPROJ	OTH	ILLEGAL DUMPING ON PROPERTY
BCO90050	BCOCC	NEW	CERT. OF OCCUPANCY FOR S.F.
BMS01441	BMISC	OTH	REINSPECTION REE MECH P #BM900667
BMS01014	BMISC	OTH	POOL BOND FOR \$500.00 FOR SK AND
BMS90341	BMISC	OTH	REINSPECTION FEE B8900397
B1003547	BSBUILD	DRWNW	Install 50 impact windows & 11 impact doors.
B8900397	BUILD	NEW	NEW 5024 SQ.FT. SINGLE FAMILY
B9000274	BUILD	OTH	SWIMMING POOL & DECK
CC950973	CCOMPL	OTH	ILLEGAL DUMPING ON PROPERTY
CV951556	CCVIO	OTH	FAILING TO REMOVE TRASH/DEBRIS
CV970184	CCVIO	OTH	PLACING PYRAMID STONES ON SWALE
CE15000880	CNOISE	ANIMALS	BARKING DOG IN FRONT OF THE HOUSE
CE08002171	CNOISE	COMPLNT	Sunday, January 13, 2008 received an
CE08002174	CNOISE	COMPLNT	Sunday, January 13, 2008 received a second
CE13007456	CPMVIO	EMERGENCY	Missing plumbing clean-out trap located at
CE08003593	CSVIO	OTHER	ILLEGAL DISPOSAL OF GARDEN
CE11014170	CSVIO	OTHER	Pile of leaves, tree braches and palm fronds
BE890050	ELEC	NEW	NEW TEMPORARY SERVICE
BE890170	ELEC	NEW	ELECTRICAL INSTALLATION
BE901130	ELEC	OTH	SWIMMING POOL (RES)
BM900667	MECH	NEW	INST 13T SYS DT WK ST HT
BP890115	PLUM	NEW	PORTABLE TOILET
BP890285	PLUM	OTH	REMOLDING NEW FIXTURES
BP900855	PLUM	OTH	POOL PIPE REPAIR
BP901026	PLUM	OTH	DISCHARGE WELL POOL
BP901106	PLUM	OTH	INST LAWN SPKR SYST
BS901330	SBUIL	NEW	NEW ROOF=50 SQS SPANISH TILE
BS901811	SBUIL	ALT	3500 S F ASPHLT ONE ENTRNCE CRCLR
WR070677	WROWAY	UTILITY	OCCUPY CMB R/W TO INSTALL NEW 3/4"

XC05000272	XC-COMP2	LOI	LOI
XC13001942	XC-COMP2	COMPLNT	Raw sewage on property, clean out trap

STATUS	APPLIED DATE	APPROVED DATE	EXPIRED/FINALED DATE	VAL TOTAL
CLOSED	12/12/1996	1/1/0001	1/1/0001	\$0.00
CLOSED	5/7/1990	1/1/0001	1/1/0001	\$14,000.00
CLOSED	5/15/1990	1/1/0001	2/11/1991	\$14,000.00
CLOSED	8/17/1989	1/1/0001	8/25/1991	\$200,000.00
CLOSED	12/28/1989	1/1/0001	1/1/0001	\$3,500.00
CLOSED	6/19/1990	1/1/0001	2/12/1991	\$150.00
CLOSED	7/31/1990	7/31/1990	1/27/1991	\$500.00
CLOSED	3/16/1995	3/16/1995	1/1/0001	\$0.00
CLOSED	12/23/1994	12/23/1994	1/1/0001	\$0.00
APPROVED	8/20/1990	9/6/1990	1/1/0001	\$0.00
FINAL	8/13/1990	8/13/1990	1/1/0001	\$0.00
PENDING	5/16/1990	5/16/1990	1/1/0001	\$14,000.00
CLOSED	12/7/1989	12/7/1989	1/1/0001	\$0.00
FINAL	6/18/2010	6/29/2010	1/12/2011	\$60,000.00
CLOSED	8/17/1989	9/29/1989	8/25/1991	\$265,000.00
FINAL	5/15/1990	5/17/1990	2/11/1991	\$14,000.00
CLOSED	12/23/1994	12/23/1994	1/4/1995	\$0.00
CLOSED	3/16/1995	3/16/1995	3/20/1995	\$0.00
CLOSED	12/12/1996	1/1/0001	2/9/2001	\$0.00
WRITTEN	10/25/2014	1/1/0001	1/1/0001	\$0.00
INVALID	1/13/2008	1/1/0001	1/1/0001	\$0.00
INVALID	1/13/2008	1/1/0001	1/1/0001	\$0.00
CLOSED	3/25/2013	3/25/2013	11/15/2013	\$0.00
CLOSED	3/3/2008	3/3/2008	3/6/2008	\$0.00
CLOSED	9/8/2011	9/8/2011	10/4/2011	\$0.00
CLOSED	10/9/1989	10/9/1989	8/25/1991	\$150.00
CLOSED	10/31/1989	10/31/1989	8/25/1991	\$7,500.00
FINAL	5/30/1990	5/30/1990	2/11/1991	\$1,500.00
CLOSED	5/7/1990	5/7/1990	2/11/1991	\$14,000.00
CLOSED	11/2/1989	11/2/1989	8/25/1991	\$200.00
CLOSED	12/28/1989	12/29/1989	2/10/1991	\$3,500.00
CLOSED	6/19/1990	6/19/1990	2/12/1991	\$150.00
CLOSED	7/31/1990	7/31/1990	1/27/1991	\$500.00
CLOSED	8/16/1990	8/16/1990	2/12/1991	\$800.00
CLOSED	5/21/1990	5/21/1990	8/25/1991	\$9,900.00
CLOSED	7/30/1990	8/1/1990	8/25/1991	\$3,200.00
APPROVED	5/10/2007	5/10/2007	8/10/2007	\$0.00



NOVIO-C	11/1/2004	11/9/2004	12/2/2004	\$0.00
VIO	3/25/2013	1/1/0001	3/25/2013	\$0.00



32220110190	4540 N	BAY RD
32220110190	4540 N	BAY RD