

BUILDING PERMIT #6041. Alterations.. C.B.Schoeppl, architect.....\$200.....May 23, 1934

Ordover	BUILDING PERMIT # 22441	Painting, outside - J. Rosenstein	\$ 350....	May 15, 1946
Ordover	# 25689	ADDITION OF & enlarging old kitchen-new door & windows- Clark-Mitchell.		
Ordover	# 30926	Re-roofing - Giffen Roofing Company, contr.	\$ 2,000.....	Oct. 20, 1947
Ordover	# 40158	Roof repair - Giffen Industries Inc:	\$ 431.....	Oct. 4, 1949
			\$ 147...	Nov 19, 1952
	#80916 Ronald Ager Co., Inc. Re-roof 38 Squares \$2,300.00 8/27/68			

ELECTRICAL PERMIT # 17205- Biscayne Electric- 1 switch, 4 light outlets - 4 receptacles- 1 service
 June 7-1941

25150 Lyon Electric: 1 switch outlet, 1 light outlet, 4 receptacles,
 1 fixtures, Nov. 4, 1947

32698 Harold Friedman: 1 television antenna - Nov. 17, 1950

CUMULATIVE COST OF CONSTRUCTION OF PERMITS ISSUED

[illegible]

PERMIT #

B0703870

09

CITY OF MIAMI BEACH
Miami Beach, Florida 33139
Receipt of Payment
Building Work Permit

Permit No. 06-21-2002
Date of Issue 06-21-2002
Date of Expiry 12-15-2002

Project Name: 116 ROYAL PALM AVENUE
Address: STEVEN STARR
PO BOX 90411
MIAMI BEACH, FL 33106

Permittee: STEVEN STARR
PO BOX 90411
MIAMI BEACH, FL 33106

Amount: \$500.00
Balance Due: \$500.00

Payments made for this receipt:

Current Payment Made to the Following Items:

Account Summary for Fees and Payments:

WOOD FENCE DESIGN DETAIL

As per Florida Building Code Section 105.3
REVIEWED FOR CODE COMPLIANCE

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

DATE: 6-21-02

Signature: [Signature]

Stamp: [Stamp]

Nana Surveyors Inc.
LAND SURVEYORS
BOUNDARY SURVEY

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

As per Florida Building Code Section 105.3
REVIEWED FOR CODE COMPLIANCE

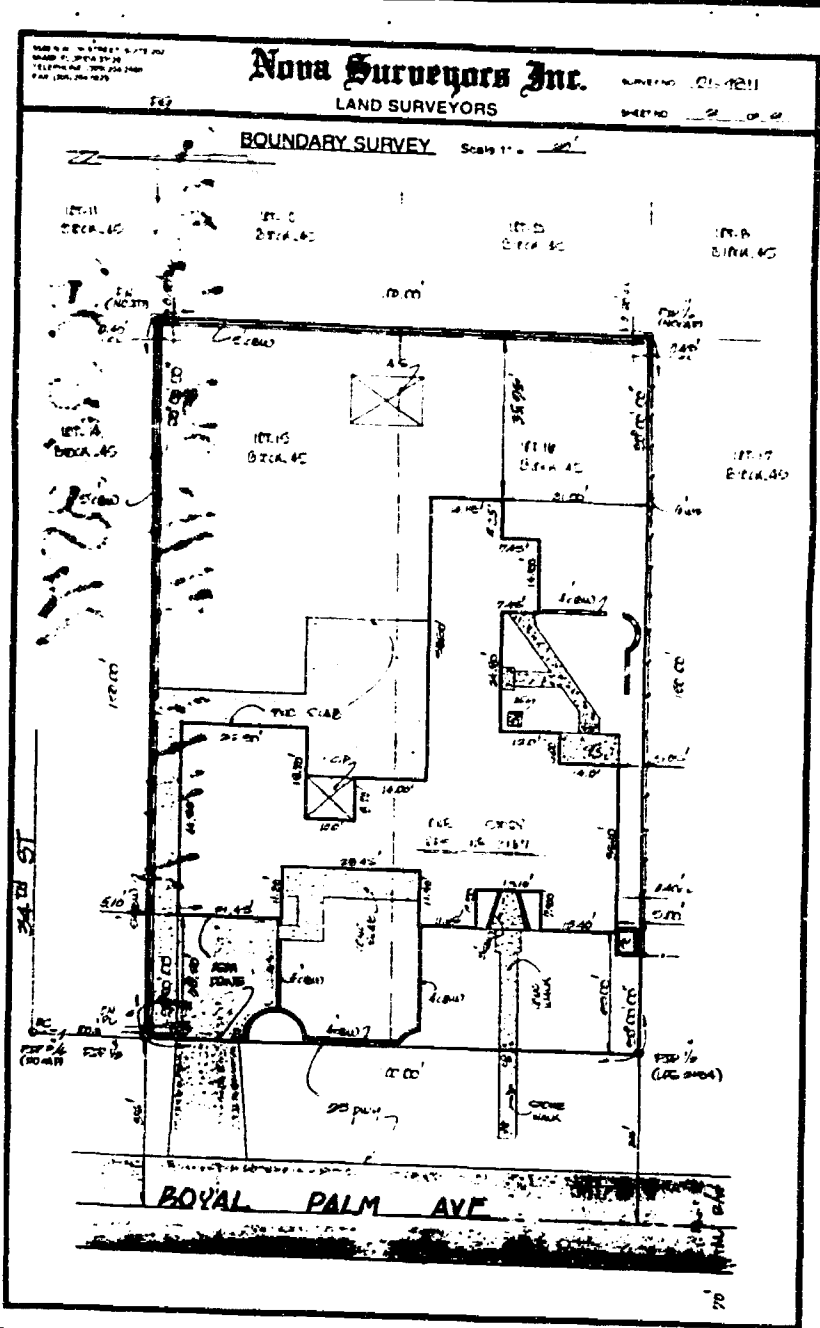
DATE: 6-21-02

Signature: [Signature]

Stamp: [Stamp]

ROYAL PALM AVE

09



09

BO203870
3167 ROYAL PALM XV



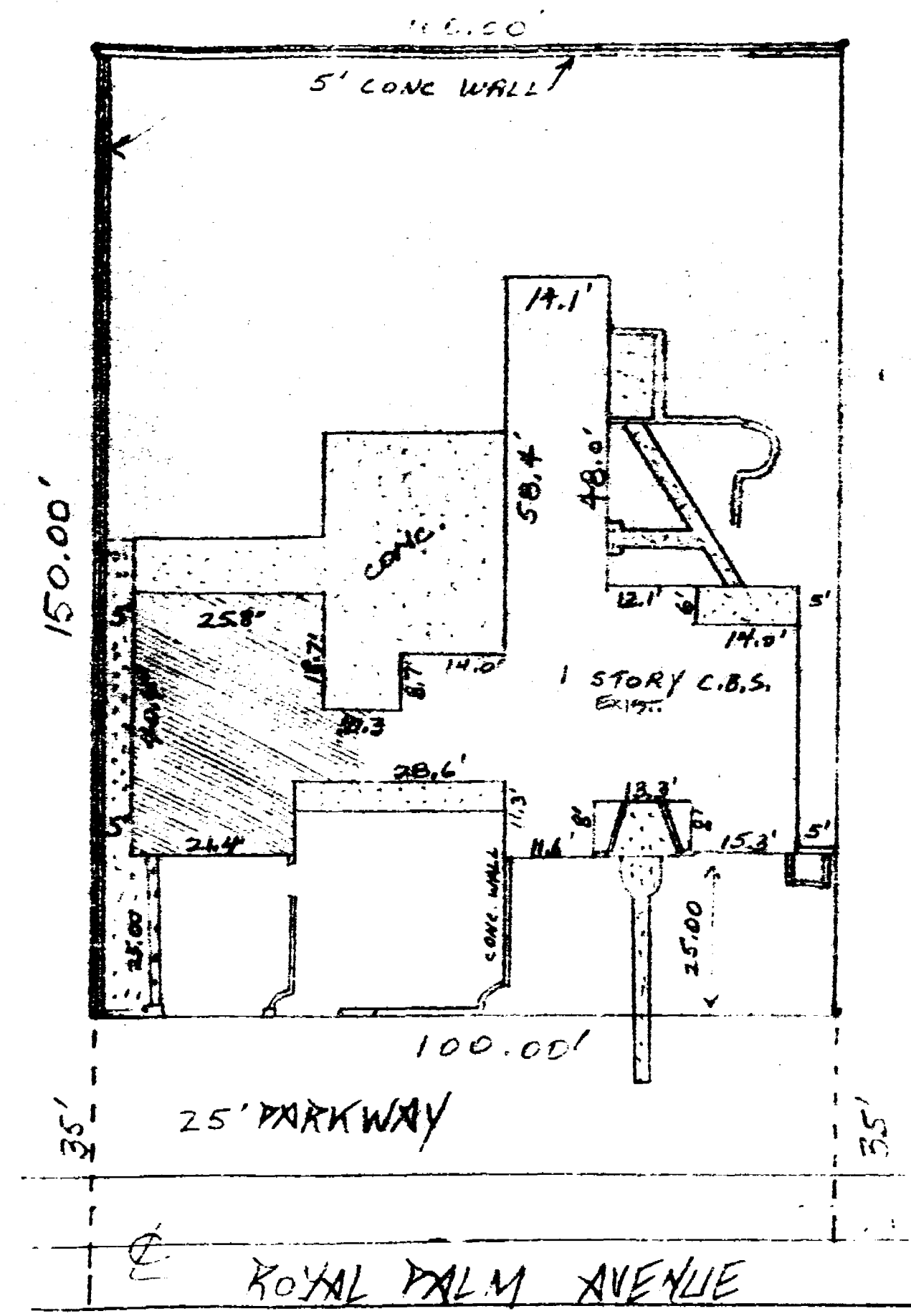
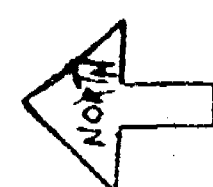
PERMIT NUMBER

B9300350

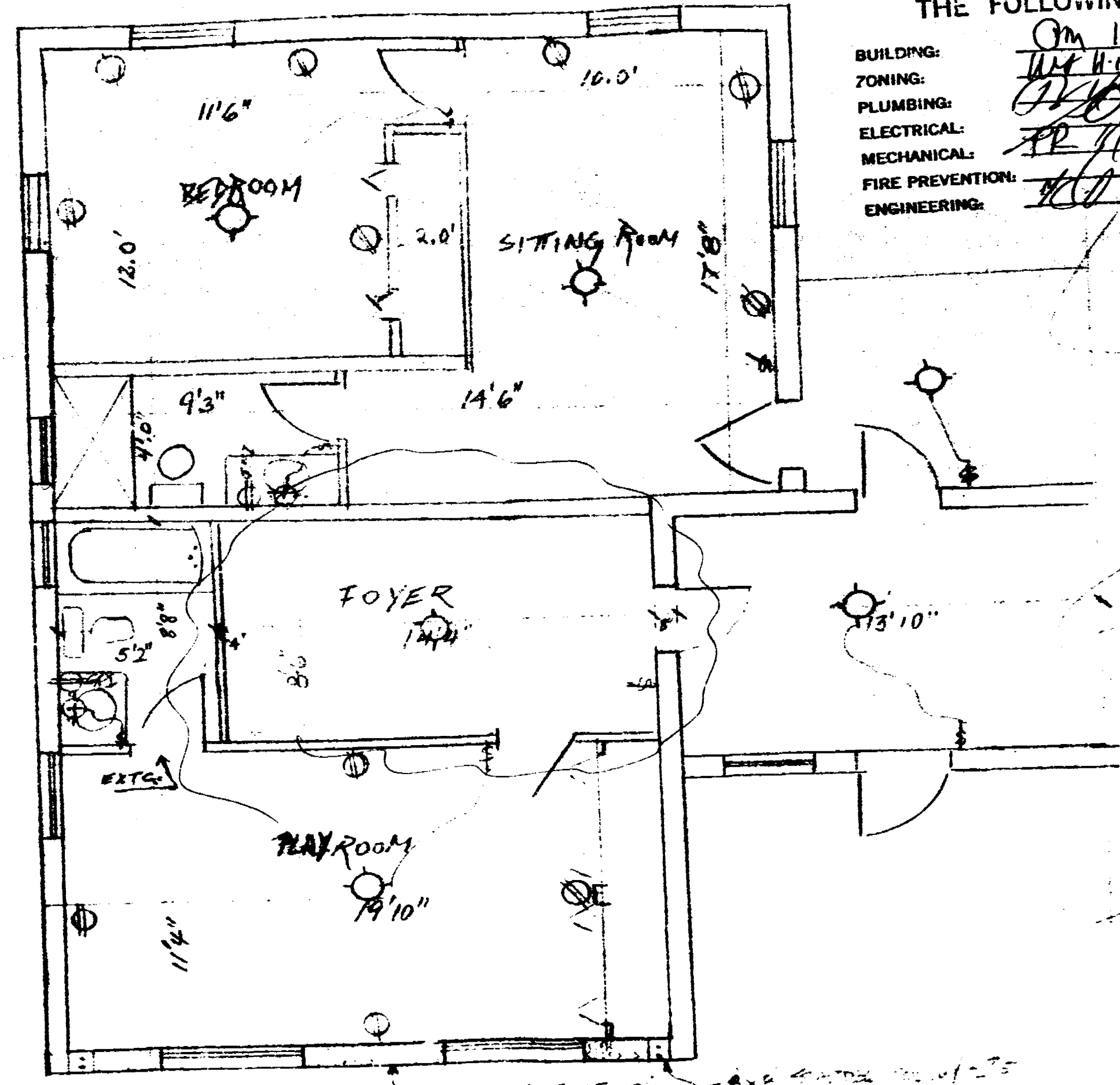
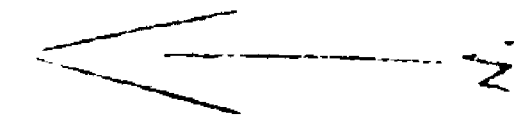
BMS 40277

ADDRESS

28



BOUNDARY SURVEY SITE PLAN
SCALE: 1"=20'
EXTG.



RENOVATION PLAN
EXIST. FLOOR PLAN
SCALE: 1/4"=1'0"

OFFICE COPY

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: Om 11-19-93
ZONING: RM 11-93
PLUMBING: 11-15-93
ELECTRICAL: 11-15-93
MECHANICAL: 11-15-93
FIRE PREVENTION: 11-15-93
ENGINEERING: 11-15-93

Handwritten signature
11-18-93

GROSS-3167 ROYAL PALM AV., M.B. FL.	
SCALE: 1/4"=1'0"	APPROVED BY:
DATE: 11-18-93	DRAWN BY: G.G.
REVISIONS:	
DRAWING NUMBER: 1 of 2	

EXTG. ROOF & ROOF STRUCTURE

PARTIAL WALL SECTION
SCALE: 3/4" = 1.0'

EXTG. ROOF STRUCTURE & GABLE END

WEST ELEVATION
SCALE 1/4" = 1.0'

OFFICE COPY

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: 9/11/93
ZONING: W-11/93
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____

EXTG. ROOF & ROOF STRUCTURE

EXTG. FACIA

EXTG. STUCCO

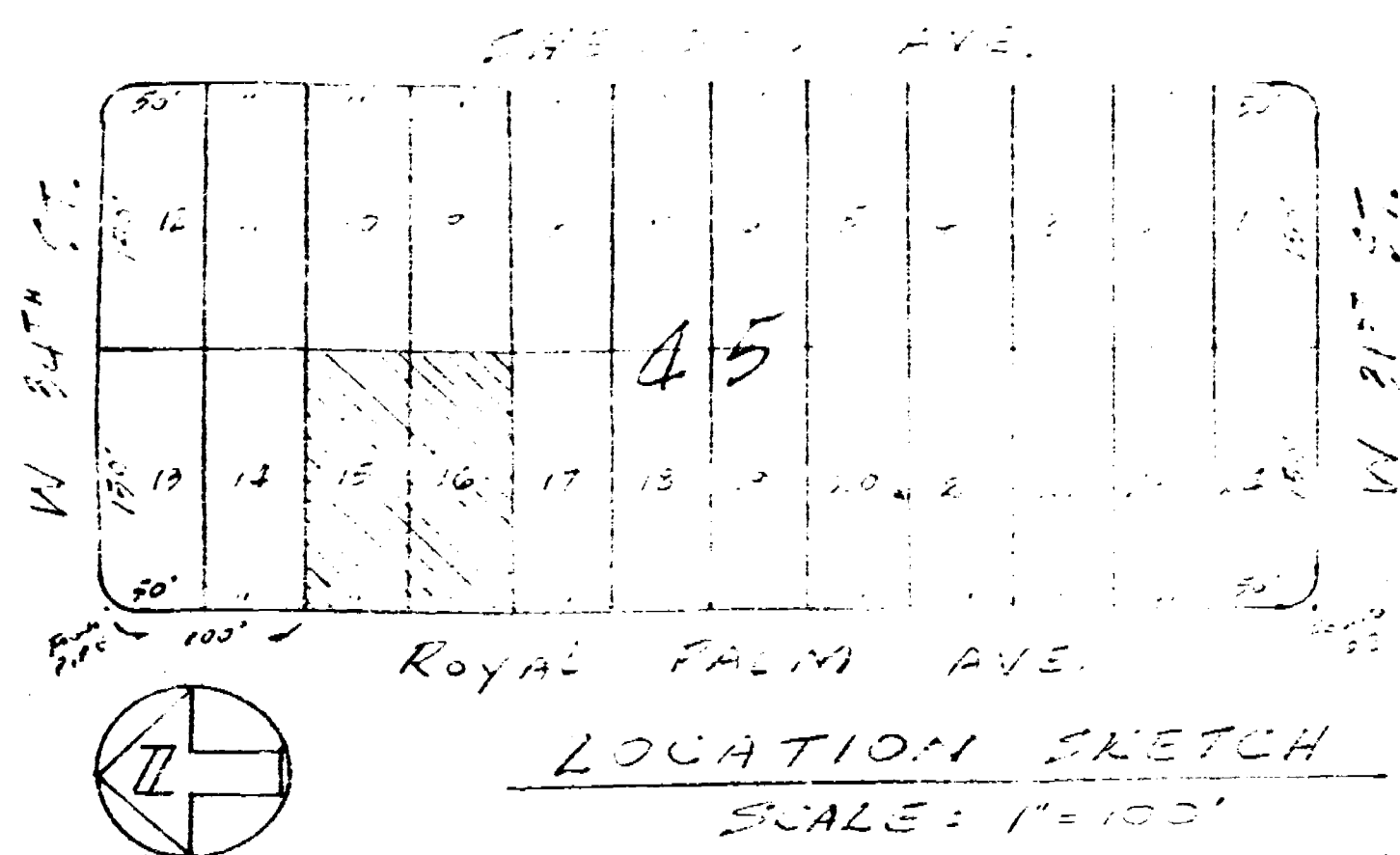
FIN. GRADE

SECTION
SCALE 3/4" = 1.0'

EXTG. ROOF & ROOF STRUCTURE
9" BATT INSUL R-30
1" X 3" FURRING @ 16" O.C.
1" X 4" P.T. FIRE STOP
BAUSCH ANCHOR
8" X 12" CONC. T.B. W/4
#5 & 30" LEG BENT @ CORNER
1" X 2" FURRING
5/8" RIGID INSULATION R-5
1/2" DRYWALL
8" CONC. BLOCK
SCREEN VENT
EXTG.
8" CONC. BLOCK W/4" JOINT REIN. IN EVERY OTHER COURSE.
1/2" EXP. JOINT
FINISH FLOOR
4" CONC. SLAB W/6" X 6" 10-10 W/M
EXTG. SLAB
EXTG. FOOTER

CONSTRUCTION
NOTED IN PERMIT
DATE: 11-18-93

GROSS-3167 ROYAL PALM AV., M.B. FL.		
SCALE: NOTED	APPROVED BY:	DRAWN BY: G.G.
DATE: 11-18-93		REVIEWED:
		DRAWING NUMBER 2 of 2



LEGAL DESCRIPTION: Lots 15 and 16, in Block 45, of ORCHARD SUBDIVISION NO. 1, according to the plat thereof as recorded in Plat Book 6, at Page 111, of the Public Records of Dade County, Florida.

Order No. M-4686
Field Book: "JF"

Scale: as shown
Date: July 22, 1993

For:
MR. SAMUEL GROSS
3167 Royal Palm Avenue
Miami Beach, Florida

I HEREBY CERTIFY: that the attached Boundary survey represents a recent survey made under my direction and is true and correct to the best of my knowledge and belief. There are no encroachments unless shown thereon. This survey meets minimum technical standards set forth by the Florida Board of Land Surveyors pursuant to Chapter 472.027 Florida Statutes.

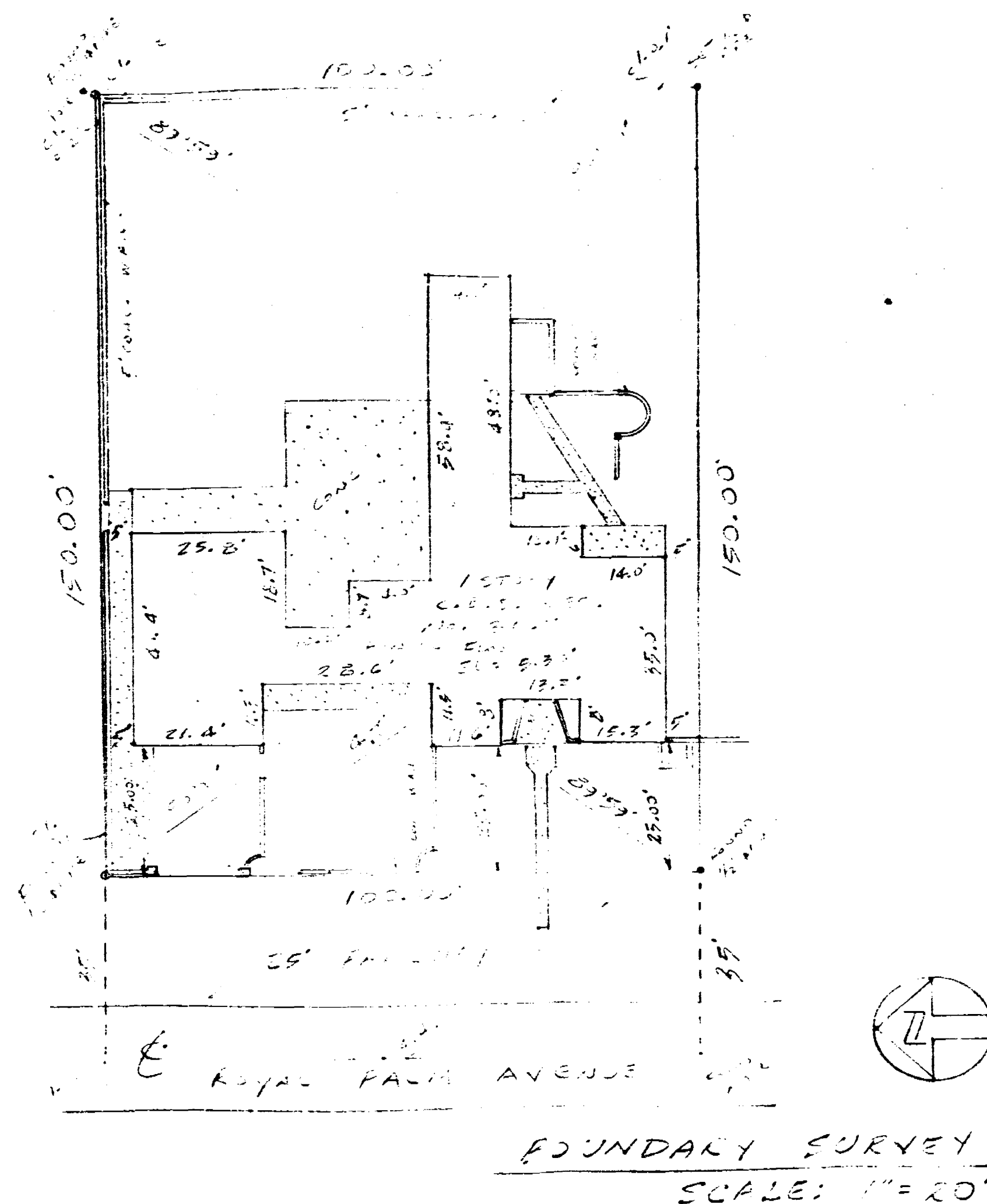
8341 Sunset Drive
Miami, Florida 33143
Tel. 596-0888

[Signature]
Narciso Jose Ramirez
Registered Land Surveyor No. 3779
State of Florida.

Note: all elevations shown refer to National Geodetic vertical Datum.

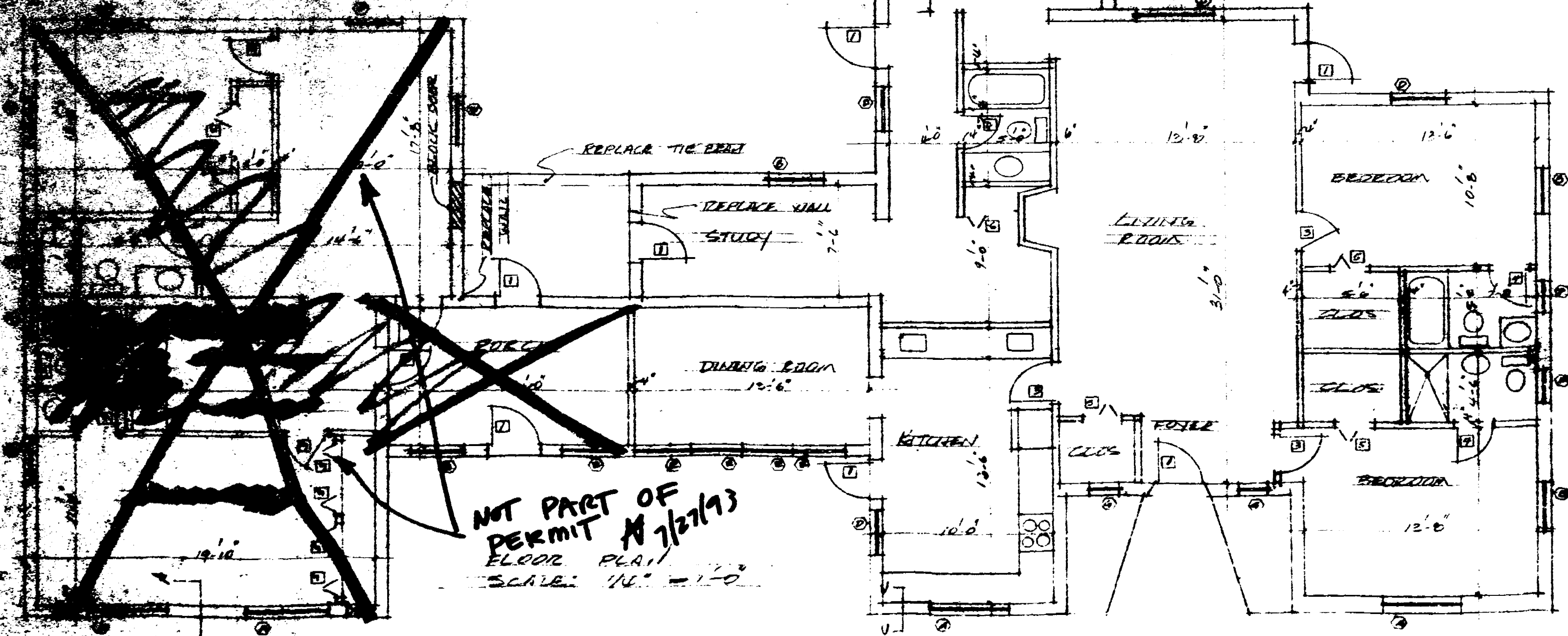
PROPERTY LOCATED IN FLOOD ZONE: AE (Panel 0184 G)
Base flood elevation: 8.0' Community No. 120651

Bench Mark used located at Alton Rd & Chase Ave
Number A-35, with elevation: 12.13'



DWNG. No. M-4686

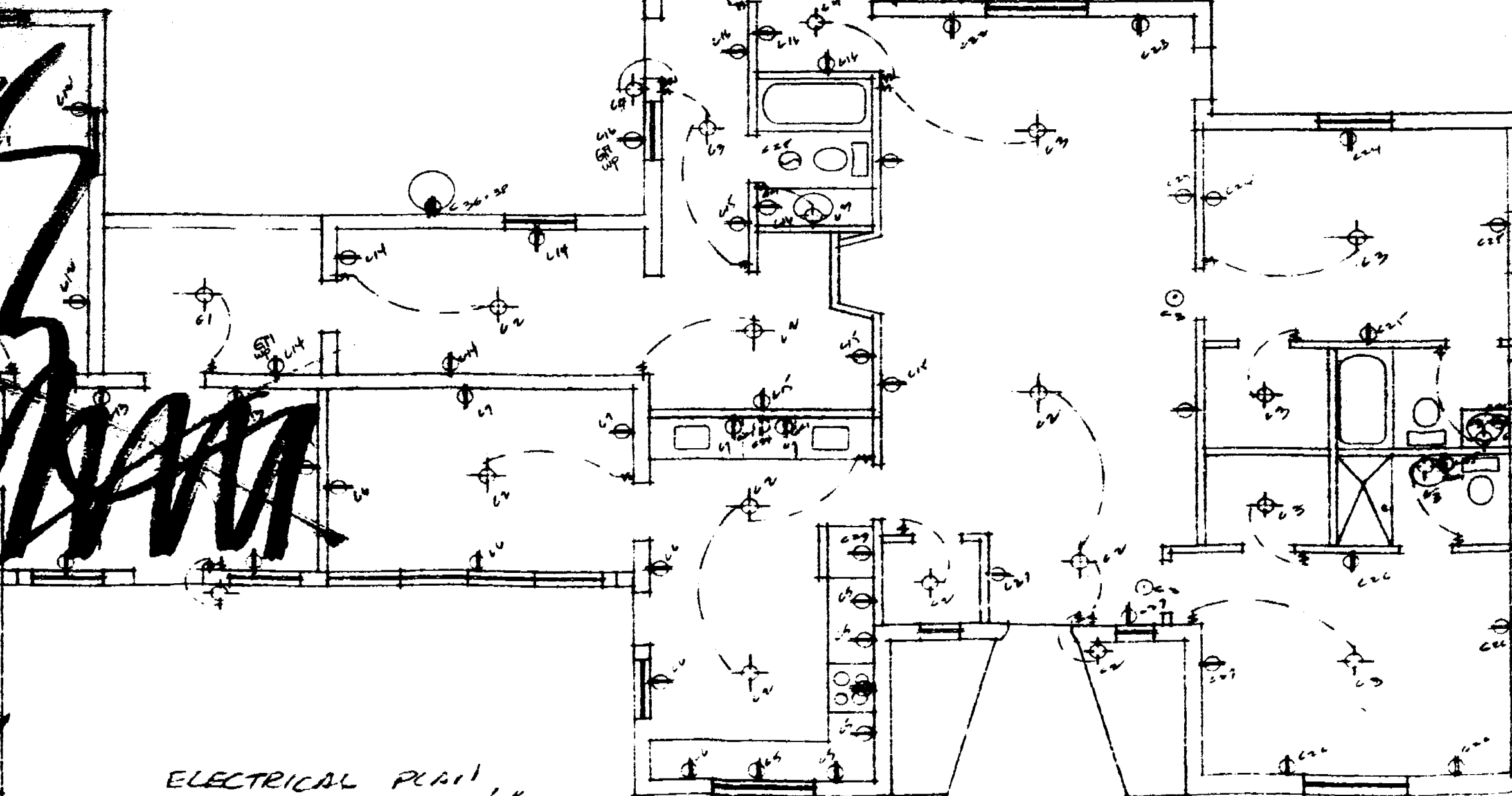
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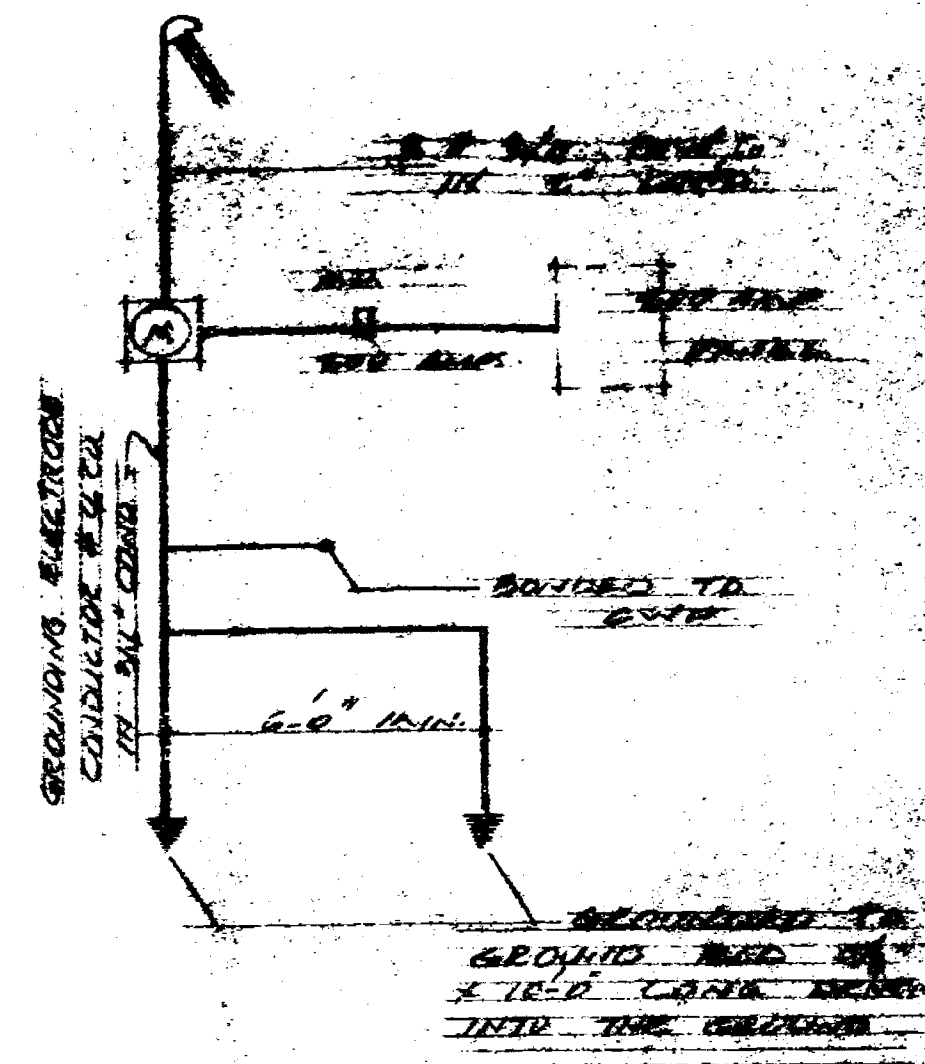
OFFICE COPY
 CITY OF MIAMI BEACH
 APPLIED FOR PERMIT BY
 THE FOLLOWING:
 ARCHITECT: [Signature]
 ENGINEER: [Signature]
 PLUMBER: [Signature]
 ELECTRICIAN: [Signature]
 MECHANICAL: [Signature]
 FIRE PREVENTION: [Signature]
 ENGINEERING: [Signature]

PERMIT NO.	7-27-93
DATE	7-27-93
PROJECT	REMODELING
LOCATION	1000 SW 15th Ave
OWNER	JOHN J. [Name]
DESIGNER	[Name]
ENGINEER	[Name]
PLUMBER	[Name]
ELECTRICIAN	[Name]
MECHANICAL	[Name]
FIRE PREVENTION	[Name]
ENGINEERING	[Name]
SHEET	1
OF	3

Amiee [Name]
 7/27/93



12/27/93



ELECTRICAL RISK
NTS

OFFICE COPY

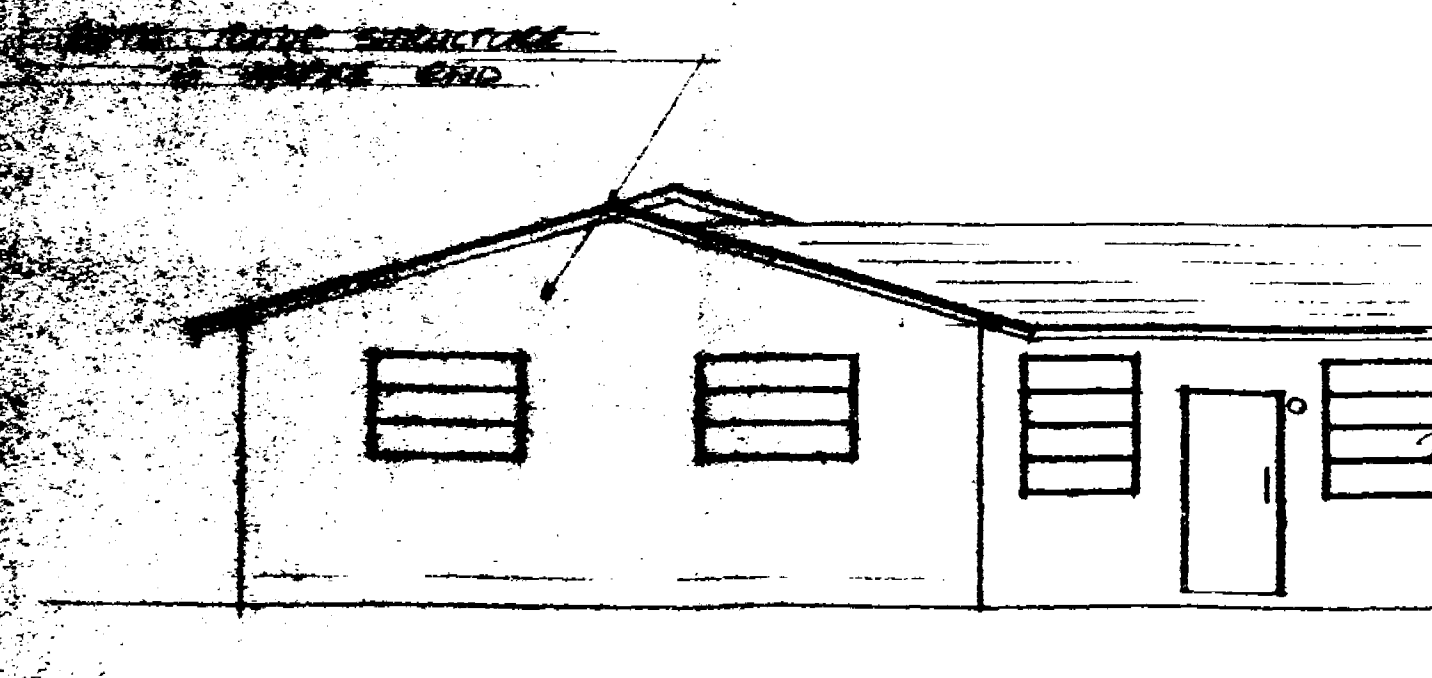
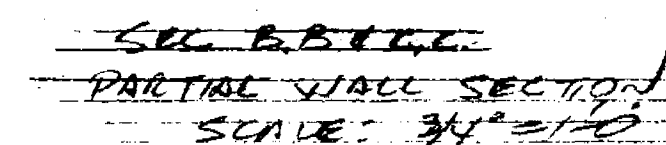
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

THE FOLLOWING:

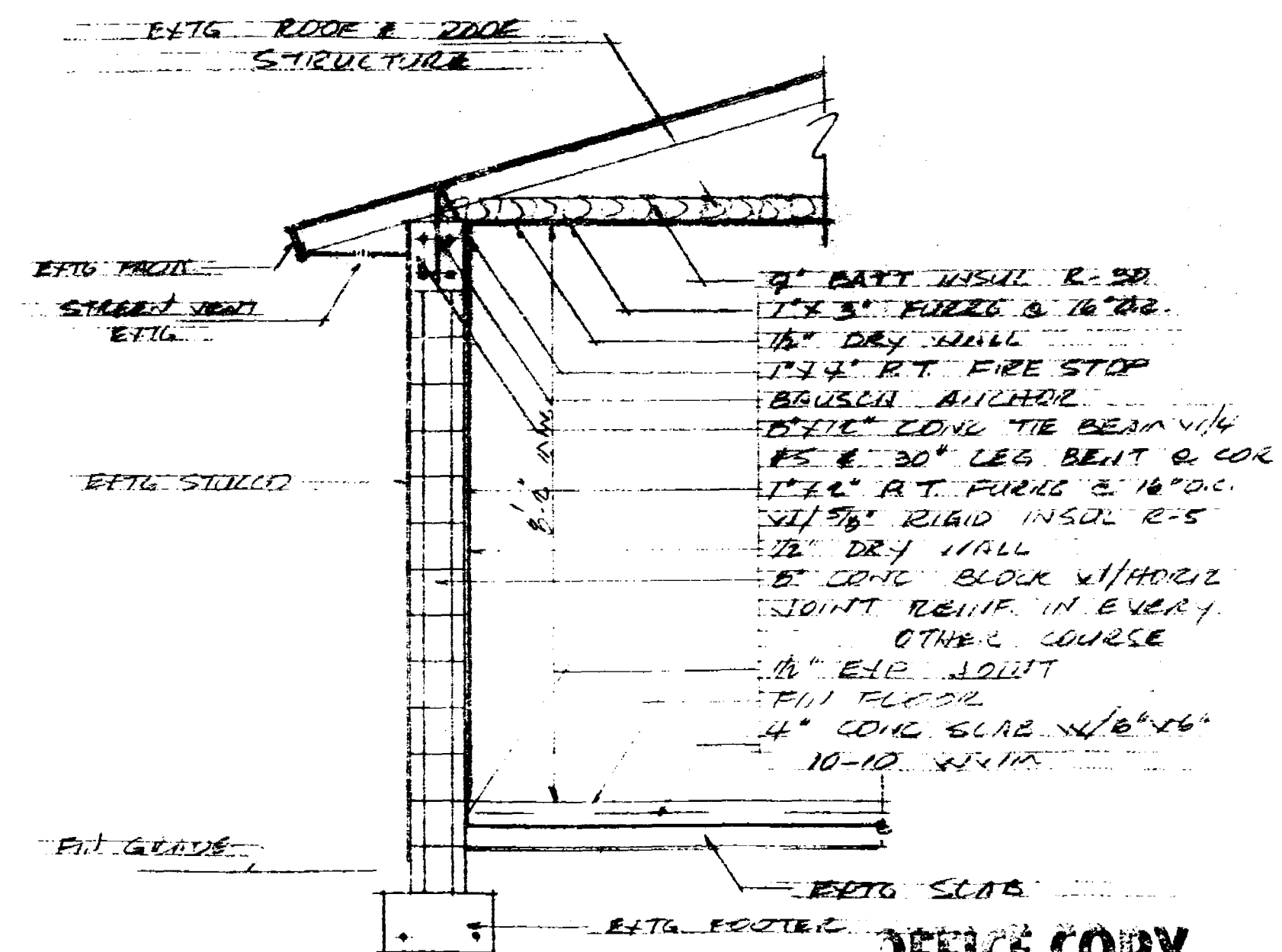
BUILDING: WA 7-1397
ZONING: A 7/27/73
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: 13 7/27/73
ENGINEERING: _____

NOTE
40 RESINS
SPECIAL BOX FOR THE ~~HOUSE~~ ~~2006~~

Conilio Costa
7/14/93



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



SECTION A A
SHEET 34 ~~11~~

OFFICE COPY

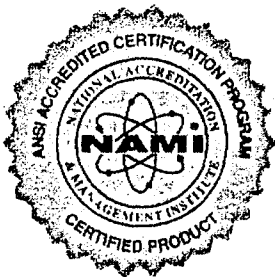
CITY OF JAIL BEACH
APPROVED AND PERMIT BY
THE FOLLOWING:

A 7/2793

DATE	DESCRIPTION	AMOUNT	BALANCE
10/1/53	100.00	100.00	100.00
10/2/53	50.00	50.00	50.00
10/3/53	25.00	25.00	25.00
10/4/53	75.00	75.00	75.00
10/5/53	100.00	100.00	100.00
10/6/53	50.00	50.00	50.00
10/7/53	25.00	25.00	25.00
10/8/53	75.00	75.00	75.00
10/9/53	100.00	100.00	100.00
10/10/53	50.00	50.00	50.00
10/11/53	25.00	25.00	25.00
10/12/53	75.00	75.00	75.00
10/13/53	100.00	100.00	100.00
10/14/53	50.00	50.00	50.00
10/15/53	25.00	25.00	25.00
10/16/53	75.00	75.00	75.00
10/17/53	100.00	100.00	100.00
10/18/53	50.00	50.00	50.00
10/19/53	25.00	25.00	25.00
10/20/53	75.00	75.00	75.00
10/21/53	100.00	100.00	100.00
10/22/53	50.00	50.00	50.00
10/23/53	25.00	25.00	25.00
10/24/53	75.00	75.00	75.00
10/25/53	100.00	100.00	100.00
10/26/53	50.00	50.00	50.00
10/27/53	25.00	25.00	25.00
10/28/53	75.00	75.00	75.00
10/29/53	100.00	100.00	100.00
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10/31/53	25.00	25.00	25.00
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11/2/53	100.00	100.00	100.00
11/3/53	50.00	50.00	50.00
11/4/53	25.00	25.00	25.00
11/5/53	75.00	75.00	75.00
11/6/53	100.00	100.00	100.00
11/7/53	50.00	50.00	50.00
11/8/53	25.00	25.00	25.00
11/9/53	75.00	75.00	75.00
11/10/53	100.00	100.00	100.00
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11/16/53	25.00	25.00	25.00
11/17/53	75.00	75.00	75.00
11/18/53	100.00	100.00	100.00
11/19/53	50.00	50.00	50.00
11/20/53	25.00	25.00	25.00
11/21/53	75.00	75.00	75.00
11/22/53	100.00	100.00	100.00
11/23/53	50.00	50.00	50.00
11/24/53	25.00	25.00	25.00
11/25/53	75.00	75.00	75.00
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11/28/53	25.00	25.00	25.00
11/29/53	75.00	75.00	75.00
11/30/53	100.00	100.00	100.00
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12/2/53	25.00	25.00	25.00
12/3/53	75.00	75.00	75.00
12/4/53	100.00	100.00	100.00
12/5/53	50.00	50.00	50.00
12/6/53	25.00	25.00	25.00
12/7/53	75.00	75.00	75.00
12/8/53	100.00	100.00	100.00
12/9/53	50.00	50.00	50.00
12/10/53	25.00	25.00	25.00
12/11/53	75.00	75.00	75.00
12/12/53	100.00	100.00	100.00
12/13/53	50.00	50.00	50.00
12/14/53			

BR1701304/821701330

Approval code
5120684.1



NOTICE OF PRODUCT CERTIFICATION

Company: Masonite International Corporation
1955 Ppwis Road
West Chicago, IL 60185

Certification No.: N1007077.01
Certification Date: 04/10/2007
Expiration Date: 12/31/2020
Revision Date: 11/21/2014

Product: Fiberglass Impact Rated Opaque Inswing or Outswing Door w/ and w/o Impact Rated Sidelites
(v/Wood Frame unless noted)

Specification: TAS 201/202/203/ASTM E330

The "Notice of Product Certification" is only valid if the NAMI Certification Label has been applied to the product as described within this document. The certification label represents product conformity to the applicable specification and that all certification criteria has been satisfied. This product has been approved for listing within NAMI's Certified Product Listing at www.Namicertification.com. NAMI's Certification Program is accredited by The American National Standards Institute (ANSI).

Configuration	Inswing or Outswing	Glazed or Opaque	Maximum Size	Structural Design Pressure	Water Test Pressure	Missile Impact Rated	Test Report Number Drawing Number & Comments
X Single	I/S	Opaque	3'0" x 6'8"	+70/-70	2.86 psf	Yes	NCTL-210-3102-1 Maximum Panel Size: 3'0" x 6'8" Anchor Details-MA-FL0170-07
X Single	O/S	Opaque	3'0" x 6'8"	+70/-70	10.5 psf	Yes	NCTL-210-3102-1 Maximum Panel Size: 3'0" x 6'8" Anchor Details-MA-FL0170-07
XX Double	I/S	Opaque	6'0" x 6'8"	+50.5/-50.5	2.86 psf	Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
XX Double	O/S	Opaque	6'0" x 6'8"	+55/-50.5	6.00 psf 8.25 psf*	Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
XO/OX Single w/Sidelite	I/S	Opaque Door Glazed Sidelite	6'0" x 6'8"	+50.5/-50.5	2.86 psf	Door-Yes Sidelite-Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
XO/OX Single w/Sidelite	O/S	Opaque Door Glazed Sidelite	6'0" x 6'8"	+55/-50.5	6.00 psf 8.25 psf*	Door-Yes Sidelite-Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
OXO Single w/Sidelites	I/S	Opaque Door Glazed Sidelite	9'0" x 6'8"	+50.5/-50.5	2.86 psf	Door-Yes Sidelite-Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
OXO Single w/Sidelites	O/S	Opaque Door Glazed Sidelite	9'0" x 6'8"	+55/-50.5	6.00 psf 8.25 psf*	Door-Yes Sidelite-Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
OXXO Double w/Sidelites	I/S	Opaque Door Glazed Sidelite	12'4" x 6'8"	+50.5/-50.5	2.86 psf	Door-Yes Sidelite-Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07
OXXO Double w/Sidelites	O/S	Opaque Door Glazed Sidelite	12'4" x 6'8"	+55/-50.5	6.00 psf 8.25 psf*	Door-Yes Sidelite-Yes	NCTL-210-3105-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Anchor Details-MA-FL0170-07

*Denotes High Dam Threshold Design

National Accreditation & Management Institute, Inc./4794 George Washington Memorial Highway/Hayes, VA 23072

Tel: (804) 684-5124/Fax: (804) 684-5122

NAMI AUTHORIZED SIGNATURE: _____



HURRICANE BELLEVILLE FIBERGLASS DOOR UNIT 6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
2. THIS PRODUCT DOES NOT REQUIRE THE USE OF A HURRICANE PROTECTIVE SYSTEM (SHUTTERS).
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84.

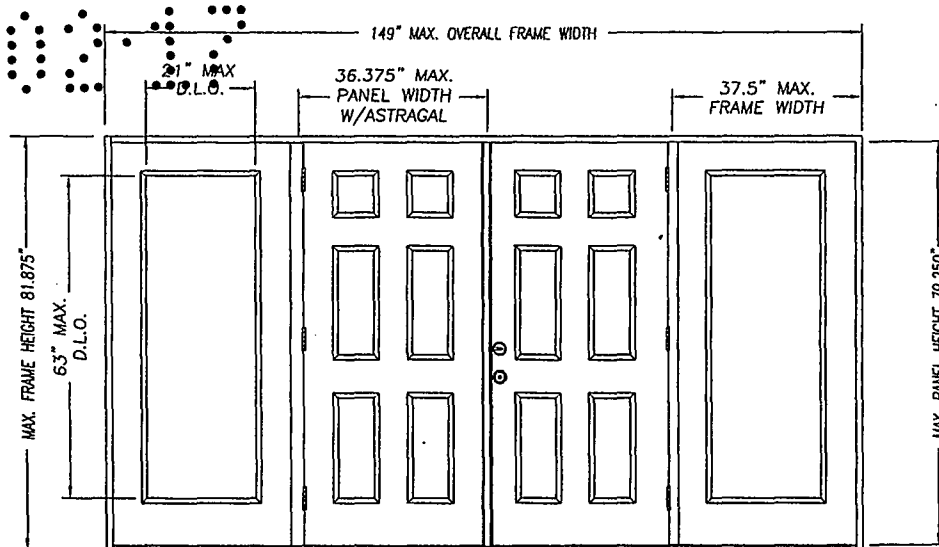
PLASTICS TESTING OF FIBERGLASS FACING:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	752 °F > 650 °F
RATE OF BURNING	ASTM D635	0.56 IN/MIN
SMOKE DENSITY	ASTM D2843	53.4%
TENSILE STRENGTH*	ASTM D638	3.2% DIFF

PLASTICS TESTING OF LITE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	980 °F > 650 °F
RATE OF BURNING	ASTM D635	1.04 IN/MIN
SMOKE DENSITY	ASTM D2843	73.8%
TENSILE STRENGTH*	ASTM D638	2.8% DIFF

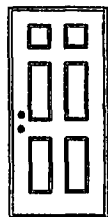
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING
4500 HOURS XENON ARC METHOD 1



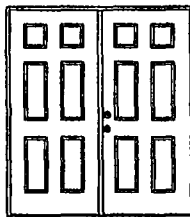
DOUBLE DOOR UNIT W/SIDELITES

Addendum to NAM

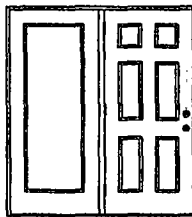
Certification No: NT007077
Reviewed By: [Signature]
Date Reviewed: 5/22/15



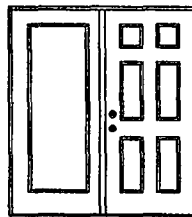
SINGLE DOOR UNIT



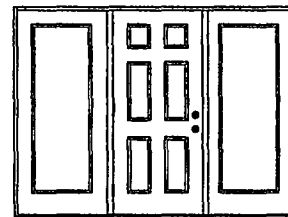
DOUBLE DOOR UNIT



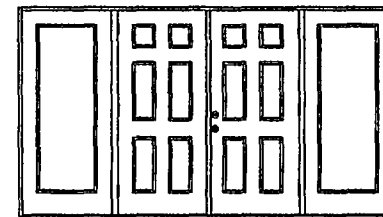
SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT W/SIDELITES



DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE					
		INSWING	OUTSWING	INSWING	OUTSWING	INSWING	OUTSWING	OUTSWING*	
X	37.5"	+70.0 / -70.0	+70.0 / -70.0	+19.0 / -19.0	+70.0 / -70.0	+70.0 / -70.0	+70.0 / -70.0	+70.0 / -70.0	
XX	74"	+50.5 / -50.5	+55.0 / -50.5	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	
OX or XO	75"	+50.5 / -50.5	+55.0 / -50.5	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	
OXO	112.5"	+50.5 / -50.5	+55.0 / -50.5	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	
OXOX	149"	+50.5 / -50.5	+55.0 / -50.5	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	

* High Dam Threshold Design

MASONITE INTERNATIONAL CORP.
1955 POWIS ROAD
WEST CHICAGO, IL 60185

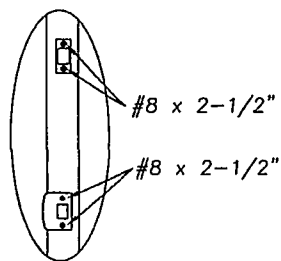
PRODUCT: EXTERIOR DOOR PRODUCT
DOUBLE 6" OPAQUE
FIBERGLASS DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATIONS
& GENERAL NOTES

NO.	DATE	REVISIONS
B	5/28/15	ANCHOR UPDATE
A	11/2/10	MISC UPDATES
BY		

DATE: 4/9/07
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.:
DWG-MA-FL0170-07
SHEET 1 OF 3

KURT BALTHAZOR
FLORIDA P.E.
#56533

Figure 1 is a dot plot showing the distribution of the number of correct responses (0 to 10) for three groups: Control (n=10), Low (n=10), and High (n=10). The Control group shows a peak at 3 correct responses. The Low group shows a peak at 5 correct responses. The High group shows a peak at 7 correct responses.



#10 x 2"

#10 x 5/8"

#10 x 5/8"

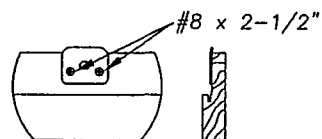
#10 x 2"

#10 x 1"

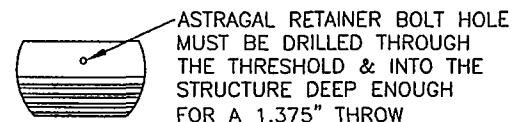
#10 x 1"

DETAIL "C"

DETAIL "C"



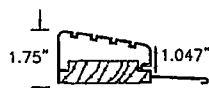
DETAIL "E" ASTRAGAL
ATTACH ASTRAGAL RETAINER BOLT
STRIKE PLATE TO FRAME
AS SHOWN.



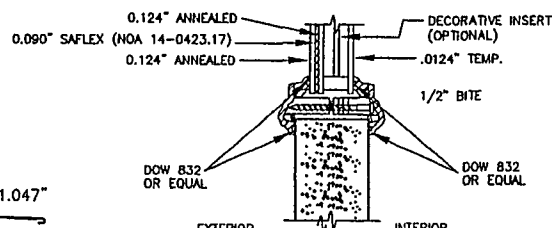
DETAIL "F" ASTRAGAL

INSWING THRESHOLD

OUTSWING THRESHOLD



HIGH DAM O/S THRESHOLD



EXTERIOR INTERIOR

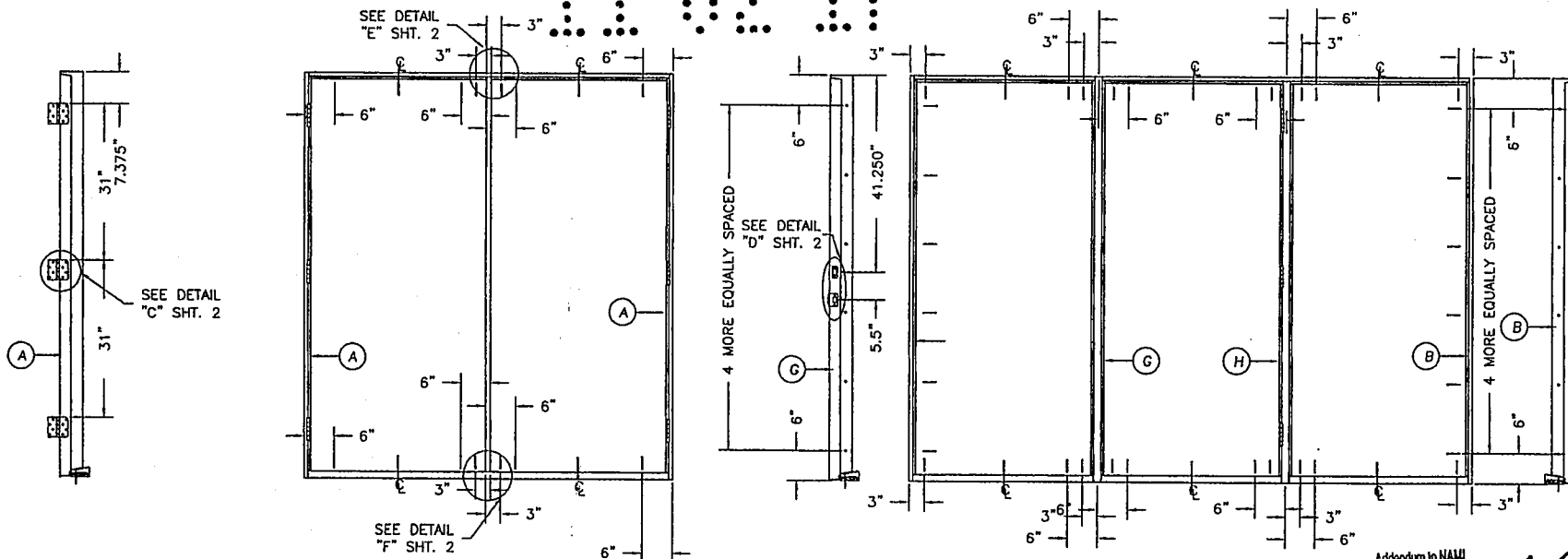
TYPICAL GLAZING DETAIL
IMPACT RATED GLASS

Certification No.: NI007077
Reviewed By: _____
Date Reviewed: 5/28/15 →

MASONITE INTERNATIONAL CORP. 1955 POWIS ROAD WEST CHICAGO, IL 60185									
PRODUCT:		"EXTERIOR DOOR PRODUCT" 6"-8" OVERGLASS OPAQUE DOUBLE DOOR UNIT							
PART OR ASSEMBLY:		ANCHORING LOCATIONS & DETAILS							
SWS		ANCHOR UPDATE		SWS		BY			
SWS		MISC UPDATES		SWS		REVISIONS			
NO.		DATE		NO.		DATE			
DATE:		4/9/07							
SCALE:		N.T.S.							
DWG. BY:		SWS							
CHK. BY:									
DRAWING NO.:		DWG-MA-FL0170-07							
SHEET		2		OF		3			

018

110212

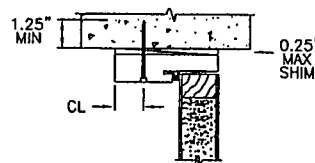


Addendum to NAMI

Certification No.: NT007077
Reviewed By: [Signature]
Date Reviewed: 5/29/15

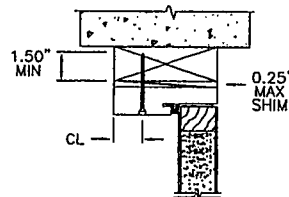
ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY ROBERTO LOMAS, PE (FLORIDA #62514) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 1/4" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION. TAPCON EDGE DISTANCE MIN 2-1/2". WOOD SCREW EDGE DISTANCE MIN 3/4".



TYPICAL MASONRY ANCHOR INSTALLATION

2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL WOOD BUCK ANCHOR INSTALLATION

HARDWARE SCHEDULE

1. KWIKSET SERIES 400 GRADE 3 CYLINDRICAL LATCH AND SERIES 980 GRADE 1 DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2. 4" X 4" FULL MORTISE BUTT HINGES.

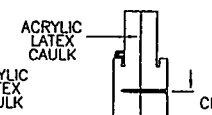
1"x1/2" CORRUGATED
3" FROM EACH END
AND 7" OC

#10x2" WOOD SCREW
6" FROM EACH END
AND 12" OC

(2) #10x2-1/2"
WOOD SCREWS
EACH END



COMBINATION MULLION (BOXED)



COMBINATION MULLION (BOXED)



INTEGRAL MULLION

MASONITE INTERNATIONAL CORP.
1955 POWIS ROAD
WEST CHICAGO, IL 60185

PRODUCT:
EXTERIOR DOOR PRODUCT
6'-8" FIBERGLASS OPaque
DOUBLE DOOR UNIT
PART OR ASSEMBLY:
ANCHORING LOCATIONS
& DETAILS

NO.	DATE	REVISIONS
B	5/28/15	ANCHOR UPDATE
A	11/2/10	MISC. UPDATES
BY		

DATE: 4/9/07
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.:
DWG-MA-FL0170-07
SHEET 3 OF 3

Luis R. Lomas P.E.

233 W Main St
Danville, VA 24541
434-688-0609
rlomas@rlomaspe.com

Manufacturer: Masonite
Report #: 504B
Date: 05/21/2015

Product: Single Door 3'x6'8"

Scope:

This analysis provides calculations, quantities, and spacing requirements for installing product to substrate, and it applies only to the product described herein. These calculations comply with requirements of the Florida Building Code.

Drawings verification:

This analysis verifies anchoring for the following drawings:

DWG-MA-FL0120-05	DWG-MA-FL0130-05	DWG-MA-FL0153-06	DWG-MA-FL0168-07
DWG-MA-FL0122-05	DWG-MA-FL0132-05	DWG-MA-FL0155-06	DWG-MA-FL0170-07
DWG-MA-FL0124-05	DWG-MA-FL0134-05	DWG-MA-FL0156-06	DWG-MA-FL0172-07
DWG-MA-FL0126-05	DWG-MA-FL0140-05	DWG-MA-FL0160-07	DWG-MA-FL0174-07
DWG-MA-FL0128-05	DWG-MA-FL0151-06	DWG-MA-FL0162-07	DWG-MA-FL0175-07

Anchors to be qualified:

- #10 Wood screw, for installation in wood frame substrates.
- 1/4" Tapcon, for masonry installation

Anchor capacity in shear condition:

Solid members w/ & w/out gap:

Fastener type: #10 wood screw	(NDS 2012, TR12)	Gap: g = 0.0000 in
Root diameter: Dr = 0.152 in		Moment arm: 0.0000 in
Minimum required penetration: p = 1.140 in	Screw bending yield strength: $F_{yb} = 80,000$ psi	
Side member: Douglas Fir-Larch	Main member: Spruce-Pine-Fir	
Side member thickness: $t_s = 1.000$ in	Main member thickness: $t_m = 1.500$ in	
Side member dowel bearing strength: $F_{es} = 4,650$ psi	Main member dowel bearing strength: $F_{em} = 3,350$ psi	
Side member dowel bearing length: $l_s = 1.000$ in	Main member dowel bearing length: $l_m = 1.140$ in	

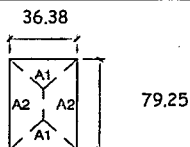
Mode I _m	Mode I _s	Mode II	Mode III _m	Mode III _s	Mode IV
q _m = 509.2 lbs/in	q _s = 707 lbs/in	A: 0.0008	A: 0.00120	A: 0.00134	A: 0.001689
P = 580.5 lbs	P = 707 lbs	B: 1.07	B: 0.57	B: 0.5	B: 0.000
K _D = 2.200	K _D = 2.200	C: -342.139	C: -212.263	C: -223.524	C: -93.6
Z _m = 264 lbs	Z _s = 321 lbs	P = 265 lbs	M _s = 46.8 in-lbs	M _m = 46.8 in-lbs	
		K _D = 2.2	P = 246 lbs	P = 263 lbs	P = 235 lbs
Min. Design value: Z = 107 lbs	Z = 107 lbs	Z = 120 lbs	K _D = 2.2	K _D = 2.2	K _D = 2.2
Duration Factor: C _D = 1.6			Z = 112 lbs	Z = 119 lbs	Z = 107 lbs
Allowable Design Value (Z _{C_D}):	Z' = 171 lbs/anchor				

Fastener type: 1/4" ITW Tapcon	N.O.A. 12-0816.06
Substrate: Hollow block	Minimum embedment: 1.25 in
Edge distance: 4.00 in	Tabulated shear design value: Z = 202 lbs
Edge distance: 2.00 in	Tabulated shear design value: Z = 161 lbs
Actual edge distance: 2.50 in	Reduction factor: 0.85
Spacing: 4.00 in	Tabulated shear design value: Z = 202 lbs
Spacing: 2.00 in	Tabulated shear design value: Z = 166 lbs
Actual spacing: 3.00 in	Reduction factor: 0.91
Allowable Design Value (Z _{f_{AN}}):	Z' = 156 lbs/anchor

Minimum anchor capacity: 156 lbs/anchor

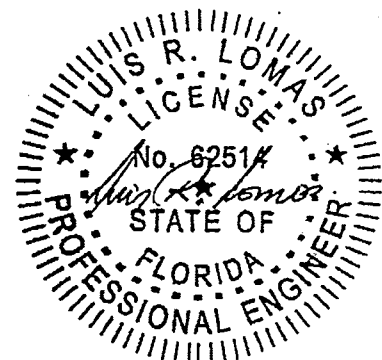
Note: Anchors with the least capacity is used for calculations to qualify anchors with higher capacity.

Anchor calculations, minimum required anchors



Design pressure: 85.0 psf

Zone	Area (ft ²)	Load (lbs)	Ind. (in)	Max. O.C. (in)	Anchor			Result
					Cap. (lbs)	Qty	Load (lbs)	
A ₁	2.3	195	N/A	N/A	156	2	98	OK
A ₂	7.7	656	6.00	18.00	156	5	131	OK



Luis R. Lomas P.E.
FL No.: 62514
5/28/2015

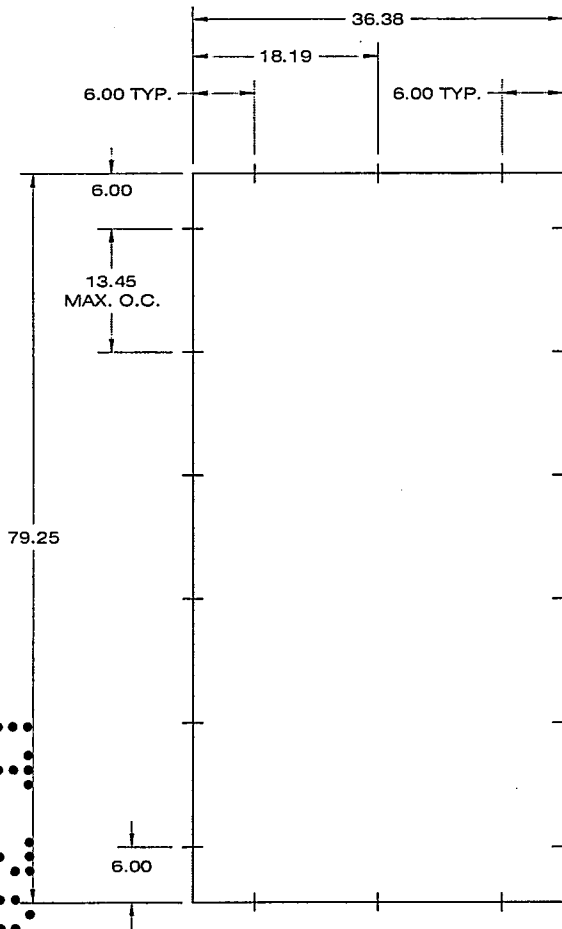
Luis R. Lomas P.E.

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434-688-0609

rlomas@lrlomaspe.com

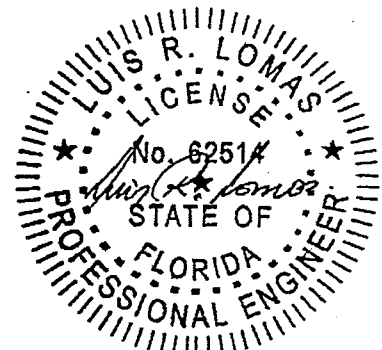
Manufacturer: Masonite
Report #: 504B
Date: 05/21/2015

Anchor Locations:



Note:

Anchor locations indicated in this document are the minimum required for the described product exposed
at the design pressure indicated herein.



Luis R. Lomas P.E.
FL No.: 62514
5/28/2015

BR1701304

BR1701310

Scope :

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:

11/12/17
11/02/17
11.2.17

LOT 13

INSTALL ~~DOOR~~ INTO
EXISTING WINDOW OPENING.
(REMOVE MASONRY BELOW)
EXISTING FILLED CELLS

LOT 14, BLOCK 45
"ORCHARD SUBDIVISION NO. 1"
(P.B. & PG. 111)

S80°00'00"E P/L 150.00'

F.I.P.Ø1,
(NC ID.

LOT 10, BLOCK 45

LOT 9, BLOCK 45

2.01/2**
(ID.)

LOT 17, BLOCK 45

"ORCH RD SUBDIVISION NO. 1"

P.B. 6, PG 111

* works per FBCK 2014.

LOT 18

win / Drs.

~~Handwritten mark~~

BZ1701304

3333

3167

Royal
Palms

+ ^{Alteration.}
BZ1701310

①

PLS. ...