PERMIT NUMBER

B-9702479

ADDRESS

PERMIT NUMBER

B-9701479

ADDRESS

1702

2

ZVONIMIR T. BELFRANIN, P.E.
4836 SW 74 Court
MIAMI, FLORIDA 33155
(305) 669-0255
FAX (305) 669-1073

JOB ALCANTARA RENOVATIONS
SHEET NO. 1 OF
CALCULATED BY M.M. DATE 12-96
CHECKED BY TH DATE 3.6.97
SCALE

- FOUND. IS COMPOSED OF 12 "ϕ AUGER CAST PILES W/ 25 TONS COMP. CAPACT @ FRONT ENTRY AND 3"ϕ steel SCH. 40 PIN PILES @ ADDED POOL DECK. WHICH WERE ELIMINATED

- DESIGN LOADS

POOL DECK SUPERIMPOSED LOADS

DL = 25 PSF IN ADDITION TO 6" CONC. SLAB
LL = 60 PSF

LATERAL LOADS

q_{15} = 27.3 PSF

WINDWARD ROOF (open STRUCTURE)

p_{15} = 27.3 (-1.55) = -56 PSF
(1.32)

NET UPLIFT = -56 + 5 = -51 ~~PSF~~
NOT APPLICABLE FOR POOL DECK, ONLY FOR OPEN GAZEBO.

3 6997
1702

2

ZVONIMIR T. BELFRANIN, P.E.
4836 SW 74 Court
MIAMI, FLORIDA 33155
(305) 669-0255
FAX (305) 669-1073

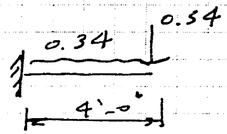
JOB
SHEET NO. 2 OF
CALCULATED BY mm DATE 12-96
CHECKED BY DATE
SCALE

check cantl. slab.

span = 4'-0"

P $W_{DL+LL} = [0.025(1.4) + 0.03(1.7)](3) + \frac{8(12)}{144}(0.15)(1.4) = 0.54^{K}/FT$

W $W_{DL+LL} = \frac{6}{12}(0.15)(1.4) + 0.11(1.5)(1.4) = 0.34^{K}/FT$



$(-)M_S = 0.34(4)^2/2 + 0.54(4)$

$= 4.9\ K\text{-}FT/FT$

$d = 4\frac{1}{2}"$ w/ #5 @ 8" o.c. $A_S = 0.47\ in^2/FT$

$\phi M_S = 8.06\ K\text{-}FT/FT$

— existg. cant'l. slab is adequate.

2

1492 N.W. 77TH STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE (305) 220-3171
FAX (305) 594-7822

Nova Surveyors Inc.

LAND SURVEYORS

SURVEY NO 96 - 5127

SHEET NO 1 OF 2

DRAWN BY A.V

SURVEY OF LOT 27 AND A 20 FEET STRIP ADJACENT THERETO BLOCK 3

SUBDIVISION HIBIS MS - COUNTY

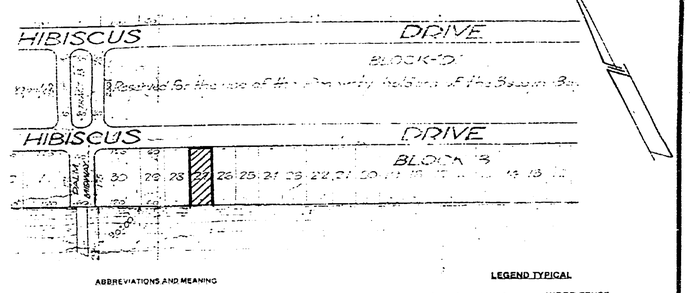
ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK NO. 8 AT PAGE NO. 75 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA. DATE: DECEMBER 18, 1946

PROPERTY ADDRESS 184 S HIBISCUS DR MIAMI BEACH, FL 33139

FOR Aldo Alcantara

LOCATION SKETCH

Scale 1" = N.T.S.



ABBREVIATIONS AND MEANING

A = ARC
AC = AIR CONDITIONER PAD
AE = ANCHOR EASEMENT
AR = ALUMINUM ROOF
AS = ALUMINUM SHED
ASPH = ASPHALT
BC = BLOCK CORNER
BLDG = BUILDING
BM = BENCH MARK
B.O.B. = BASIS OF BEARINGS
C = CALCULATED
CB = CATCH BASIN
CBS = CONCRETE BLOCK STRUCTURE
CBW = CONCRETE BLOCK WALL
CH = CHORD DISTANCE
CH B = CHORD BEARING
CL = CLEAR
C.L.F. = CHAIN LINK FENCE
C.M.E. = CANAL MAINTENANCE EASEMENT
C.O.C. = CONCRETE
C.P. = CONC. PORCH
C.S. = CONCRETE SLAB
D.E. = DRAINAGE EASEMENT
D.M.E. = DRAINAGE MAINTENANCE EASEMENT
D.W.E. = DRIVEWAY
D = DEGREES
E = EAST
E.P.P. = ELECTRIC TRANSFORMER PAD
ELEV = ELEVATION
ENCR = ENCROACHMENT
F.H. = FIRE HYDRANT
F.I.P. = FOUND IRON PIPE
F.I.R. = FOUND IRON ROD
F.F.E. = FINISHED FLOOR ELEVATION
F.N.D. = FOUND NAIL & DISK
FR = FRAME
FT. = FEET
F.I.R.M. = FEDERAL INSURANCE PROGRAM
F.N. = FOUND NAIL
H = HIGH (HEIGHT)
I.N. & E.G. = INGRESS AND EGRESS EASEMENT
L.P. = LIGHT POLE
L.F.E. = LOWEST FLOOR ELEVATION
L.M.E. = LAKE MAINTENANCE EASEMENT
M = MEASURED
M = MEASURED DISTANCE
MON. = MONUMENT
MH = MANHOLE
M.L. = MEAN HIGH WATER LINE
N.A.V. = NORTH AMERICAN VERTICAL DATUM
N = NORTH
N.T.S. = NOT TO SCALE
N.W. = NUMBER
OH = OVERHEAD
O/H = OVERHANG
O.R.B. = OFFICIAL RECORD BOOK
PVMT = PAVEMENT
P.I. = PLASTER
P.L. = PROPERTY LINE
P.O.C. = POINT OF COMMENCEMENT
P.O.B. = POINT OF BEGINNING
P.R.M. = PERMANENT REFERENCE MONUMENT
P.C.P. = PERMANENT CONTROL POINT
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
P.R.C. = POINT OF REVERSE CURVE
PROP COR = PROPERTY CORNER
P.B. = PLAT BOOK
PG. = PAGE
PWY = PARKWAY
PRM = PERMANENT REFERENCE MONUMENT
P.L.S. = PROFESSIONAL LAND SURVEYOR
R = RECORDED DISTANCE
RR = RAILROAD
RES = RESIDENCE
R/W = RIGHT-OF-WAY
RAD = RADIUS OF RADIAL
R.P. = RADIUS POINT
RGE = RANGE
SEC = SECTION
STY = STORY
SWK = SIDEWALK
S.I.P. = SET IRON PIPE L.B. #3681
S = SOUTH
S.N.D. = SET NAIL & DISK L.B. #3681
S.P. = SCREENED PORCH
SEC = SECONDS
T = TANGENT
TWP = TOWNSHIP
U.E. = UTILITY EASEMENT
UTIL = UTILITY
U.P. = UTILITY POLE
W.M. = WATER METER
W.F. = WOOD FENCE
℄ = CENTRAL MULE
W = WEST
℄ = CENTER LINE
Δ = ANGLE

LEGEND TYPICAL

WOOD FENCE
CHAIN LINK FENCE.
C.B.S. WALL (C.B.W.)
EXISTING ELEVATIONS.
0.00 X
0.00
PROPOSED ELEVATIONS

SURVEYOR'S NOTES: 1) a - SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY SAID PLAT IN THE DESCRIPTION OF THE PROPERTY, IF NOT, THEN BEARINGS ARE REFERRED TO COUNTY TOWNSHIP MAPS.

2) IF SHOWN, ELEVATIONS ARE REFERRED TO

B.M.# _____ ELEV. _____ OF N.G.V.D. OF 1929

3) THIS "SKETCH OF SURVEY" REPRESENTS A LAND SURVEY, ALSO REFERRED AS A BOUNDARY SURVEY

3A - THIS IS A SPECIFIC PURPOSE SURVEY

4) THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1 / 7500 FT.

I HEREBY CERTIFY THAT THIS "SKETCH OF SURVEY" OF THE PROPERTY DESCRIBED HEREON, AS RECENTLY SURVEYED AND DRAWN UNDER MY SUPERVISION, COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

BY: GEORGE (BARRACATE OF FIELD WORK) 12/12/96
PROFESSIONAL LAND SURVEYOR NO. 2534
STATE OF FLORIDA (VALID COPIES OF THIS SURVEY WILL BEAR THE EMBOSSED SEAL OF THE ATTESTING LAND SURVEYOR.

REVISION _____

REVISION _____

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY (SURVEY)

EXAMINATION OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED [illegible] OF ANY, AFFECTING THIS PROPERTY. THIS SURVEY IS SUBJECT TO DEFICIENCIES [illegible] RESTRICTIONS, RESERVATIONS, EASEMENTS OF RECORD, LEGAL DESCRIPTIONS [illegible] AND/OR AGREEMENTS, IF ANY.

SKETCH OF SURVEY MEANS A DRAWING, OR A GRAPHIC REPRESENTATION OF THE SURVEY, WITH [illegible] IN THE FIELD, GOVERNMENTAL AS A BASIS OF SCALE AND ORIENTATION.

[illegible] OF THE SURVEY IS LIMITED TO THE COST OF THE SURVEY.

[illegible] BROADCAST VISIBLE ENCROACHMENTS ONLY AND ARE NOT GROUND ENCROACHMENTS.

[illegible] SHALL VERIFY DIMENSIONS, AS WELL AS FIELD DIMENSIONS AND SETBACKS AND THEY WILL [illegible] OF SUBMISSION OF PLANS WITH THE CORRECT INFORMATION FROM THEIR [illegible] FOR AUTHORIZATION TO THE CITY OF MIAMI BEACH CONSTRUCTION REGULATION BOARD.

[illegible] HAS NOT ATTEMPTED TO LOCATE EASEMENTS, OTHER THAN THOSE SHOWN ON RECORDED PLATS.

FENCE OWNERSHIP NOT DETERMINED.

[illegible] MAPS AND/OR DESCRIPTIONS, THE SURVEYOR MAKES NO GUARANTEES THAT THE [illegible] AND/OR DESCRIPTIONS, THE SURVEYOR MAKES NO GUARANTEES THAT THE [illegible] ACTUALLY CONTAIN THE LAND SURVEYED.

AE [illegible] 120651 [illegible] 0183 [illegible] J

3/2/96 [illegible] 10.0 FT

Aldo Alcantara
Mercedes Lopez Cisneros, Esquire
Ticor Title Insurance Company
AIP Mortgage Company its successors and/or assigns

SEAL

2

5582 N.W. 7TH STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE (305) 220-3171
FAX (305) 554-1822

A.Y

Nova Surveyors Inc.

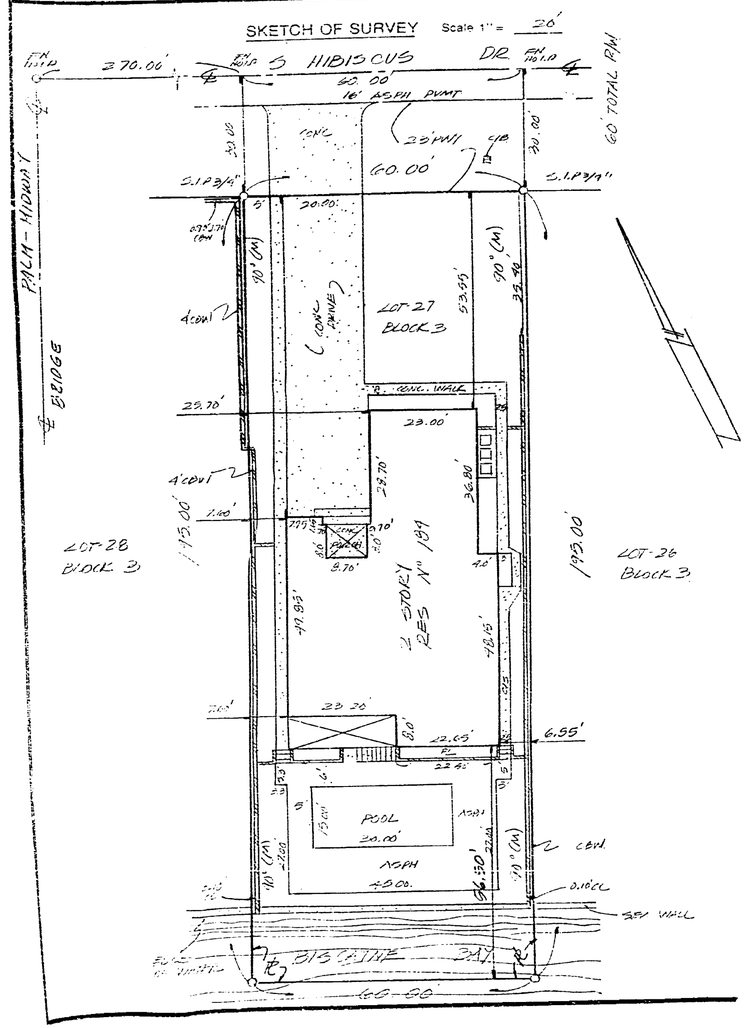
LAND SURVEYORS

SURVEY NO 96-6127

SHEET NO 2 OF 2

SKETCH OF SURVEY

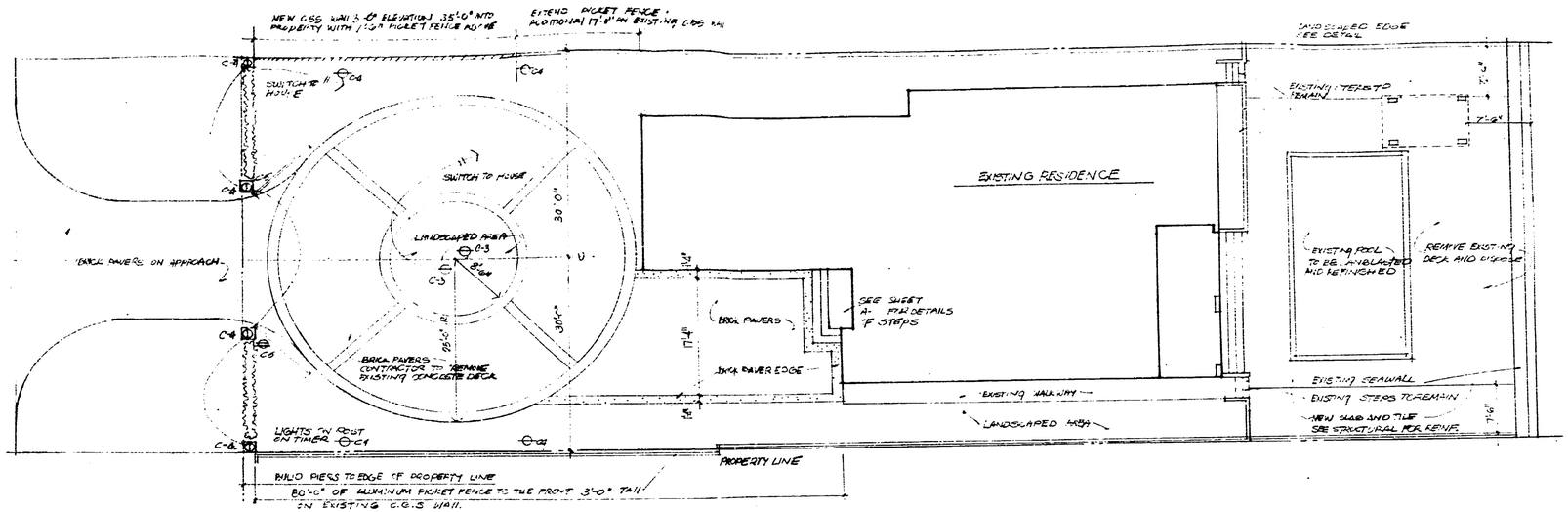
Scale 1" = 20'



2

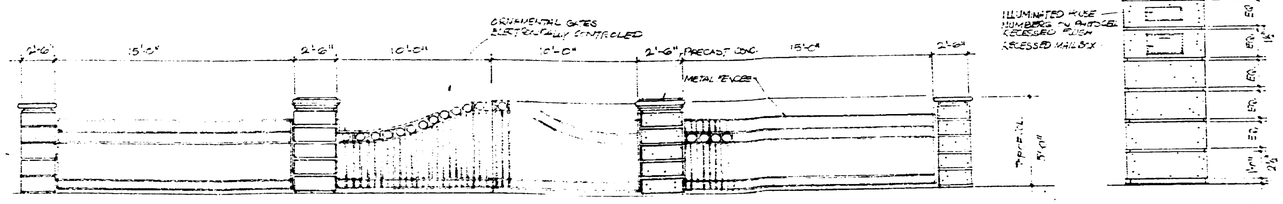
B9701479

2



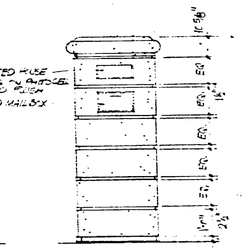
SITE PLAN

SCALE 1/8"= 1'-0"



ENTRY ELEVATION

SCALE 1/4"= 1'-0"



ENTRY COLUMN DET.

SCALE 1/2"= 1'-0"

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING 3/14/17
ZONING
PLANNING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING FEA 3/14/17
PUBLIC WORKS E&C 03/14/2017
STRUCTURAL
ACCESSIBILITY
OTHERS

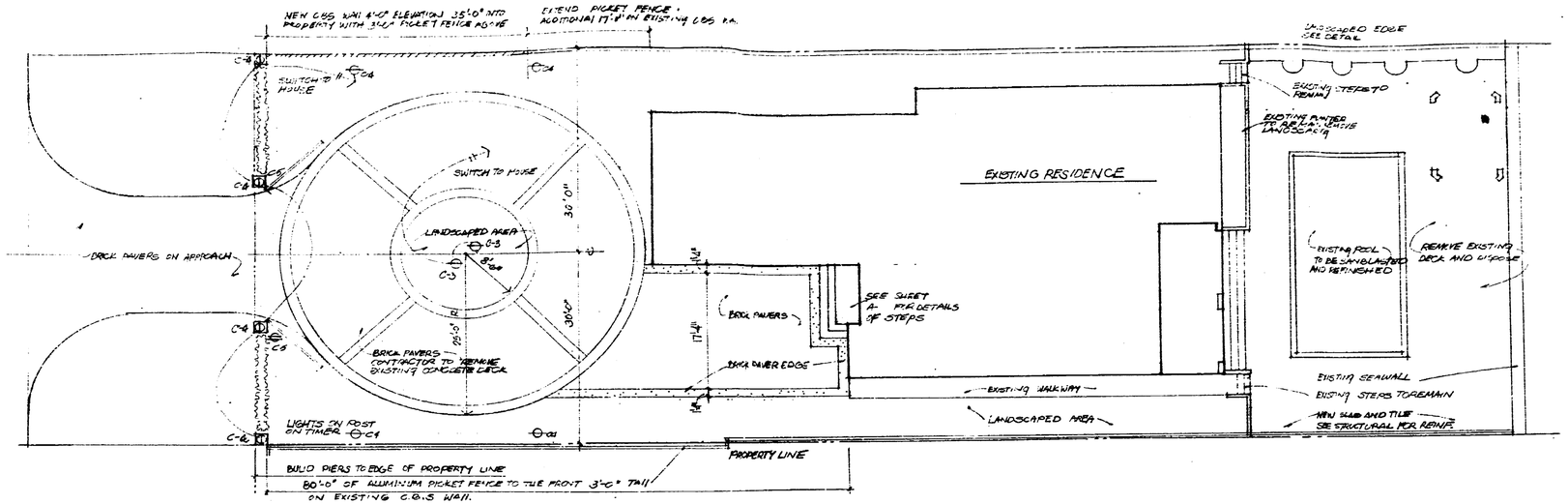
A M JULIEN AIA
architect
phone (305) 445-4963
Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

#1876 3-14-17

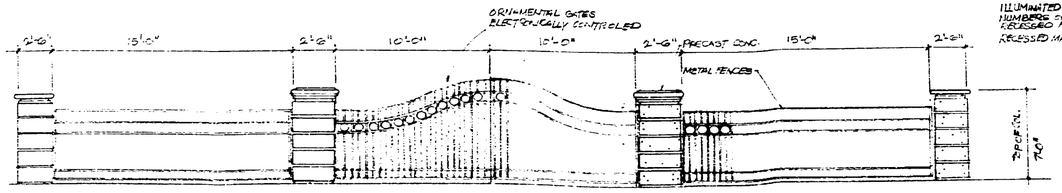
Revision
3-14-17

A-1A
of 5



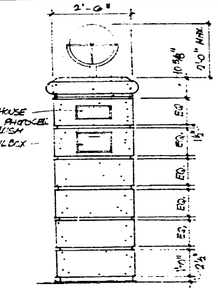
SITE PLAN

SCALE 1/8"= 1'-0"



ENTRY ELEVATION

SCALE 1/4"= 1'-0"



ENTRY COLUMN DET.

SCALE 1/2"= 1'-0"

RECEIVED
MAR 0 1997
CITY OF MIAMI BEACH
BUILDING DEPARTMENT

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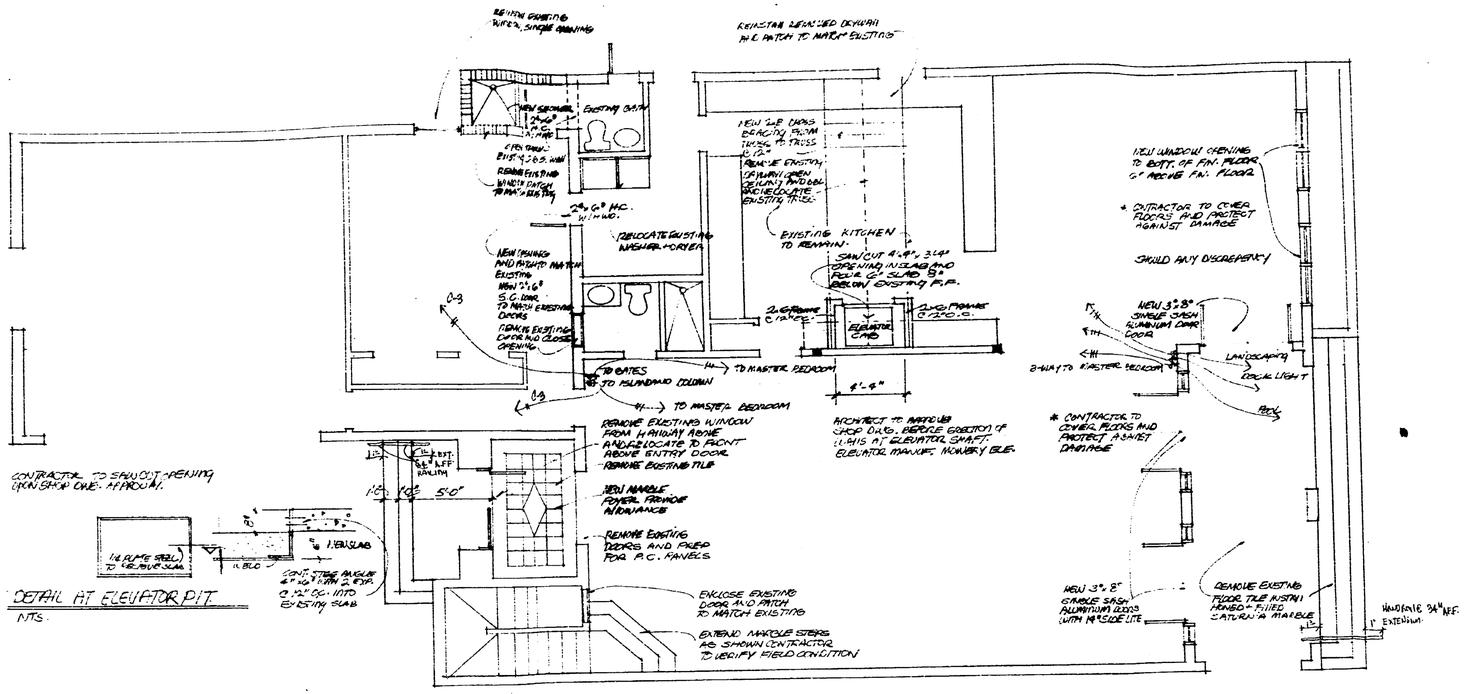
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
DE 3-10-97
3/10/97
3/6/97

A M JULIEN AIA
architect
Miami, Florida
phone (305) 445-4663

ALCANTARA RENOVATIONS
164 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

3-24-97 # 11476

A-1A of 5



FLOOR PLAN

SCALE 1/4" = 1'-0"

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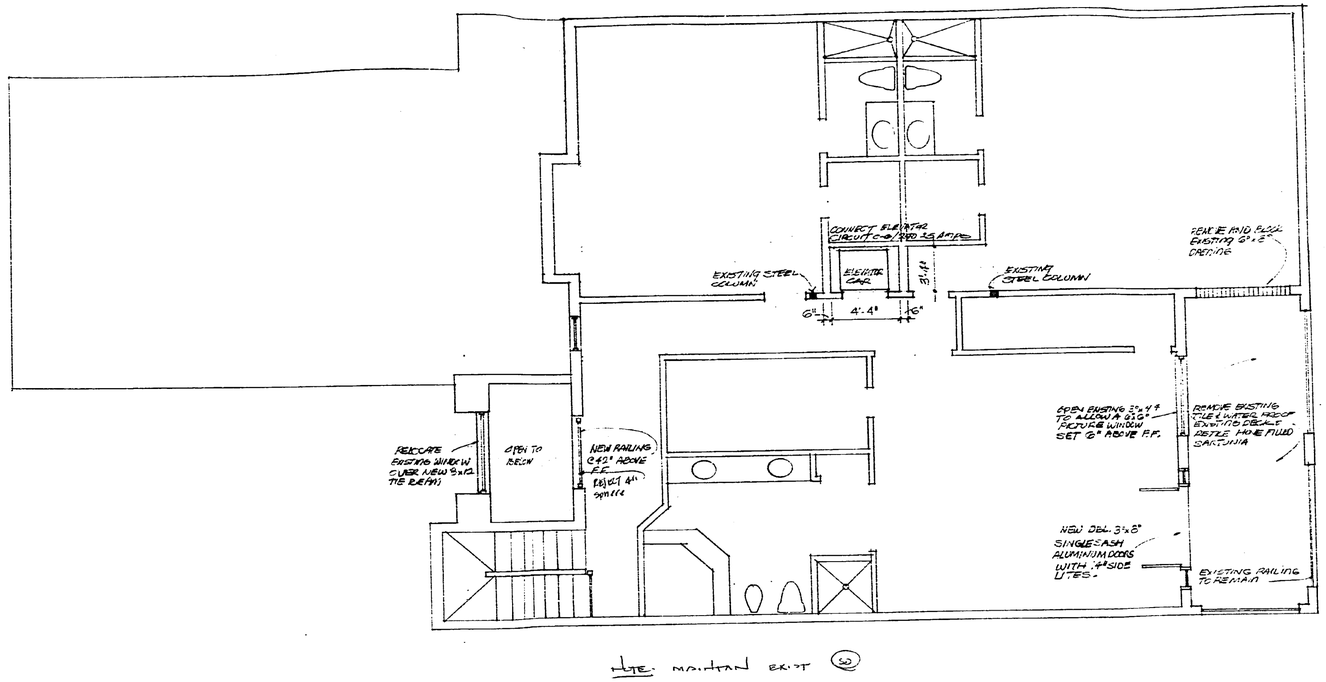
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

A M JULIEN AIA
architect
phone (305) 445-4963
Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

R-24-97
144762

A-2
OF
5



NOTE: MAINTAIN EXIT (5)

SECOND FLOOR PLAN

SCALE 1/4"=1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING: 3/12/97
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE MARSHAL:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

A M JULIEN
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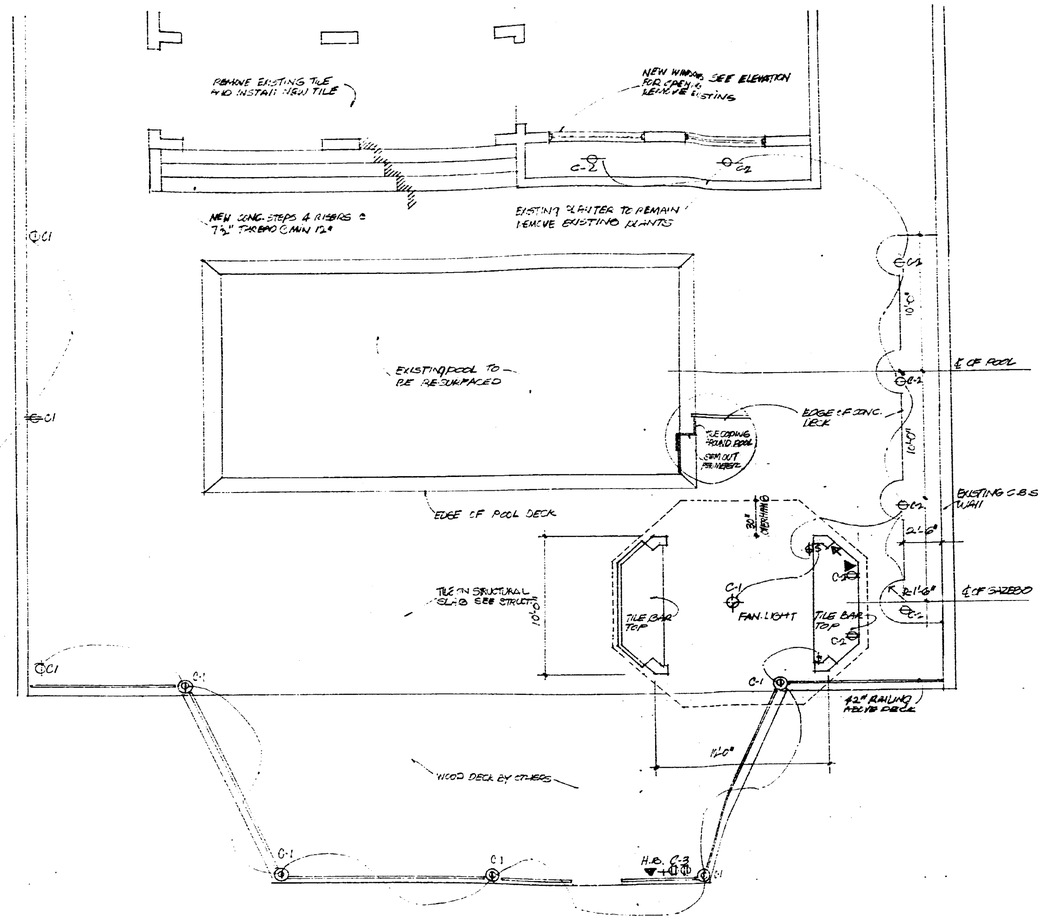
phone (305) 445-4963
Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

2-24-97
14476

A-3
of 5



FLOOR PLAN

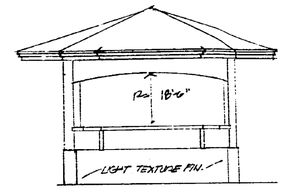
SCALE 1/4"= 1'-0"

TYP ELECTRICAL

1. CONNECT CIRCUIT C-1, C-2 TO EXIST. 400 AMP SERVICE
2. CONNECT CIRCUIT C-3 TO EXISTING 200 AMP SERVICE PROVIDE 60 AMP CIRCUIT BREAKER

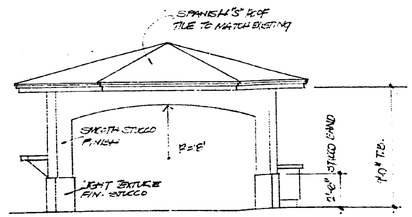
LEGEND

- POST LIGHT EXPER. OR WATERPROOF
- DUPLEX OUTLET WATER PROOF
- EXPER. SPOT LIGHT WATERPROOF
- FAN LIGHT WATERPROOF
- HOSE BIB
- TELEPHONE
- T.V.



SIDE ELEVATION

SCALE 1/4"= 1'-0"



DOCKSIDE ELEVATION

SCALE 1/4"= 1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING:	3/24/77
ZONING:	
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	
FIRE PREVENTION:	
ENGINEERING:	
PUBLIC WORKS:	
STRUCTURAL:	
ACCESSIBILITY:	
ELEVATOR:	

A M JULIEN AIA
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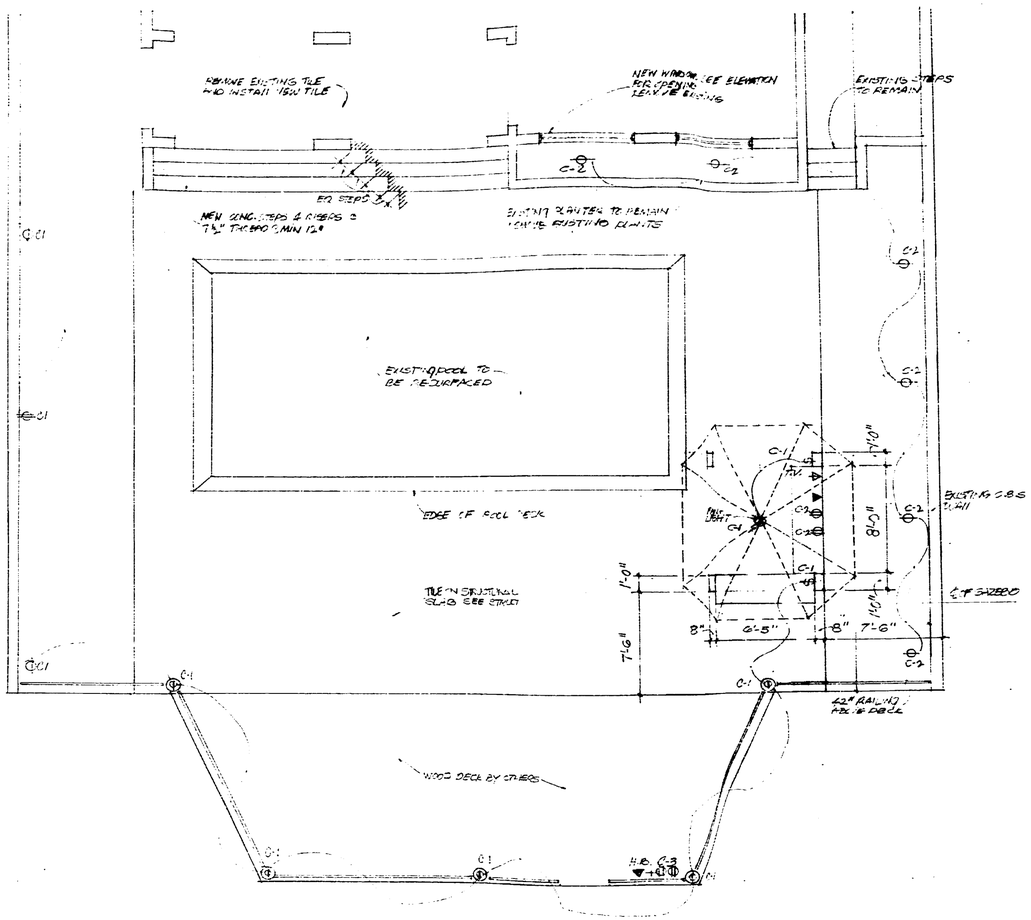
Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

2-24-77
#14876

A-4
of
5



FLOOR PLAN

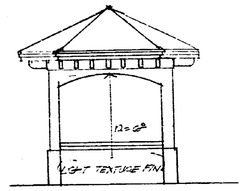
SCALE 1/4"= 1'- 0"

NOTE ELECTRICAL

1. LIGHT CIRCUIT 20A 120 V. EXISTING 120 MIN SERVICE
2. OUTLET CIRCUIT 20 A. TO EXISTING 120 MIN SERVICE IF NOT TO EXIST CIRCUIT SEPARATE

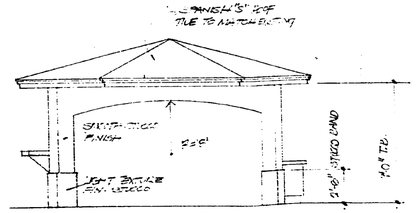
LEGEND

- BOOT LIGHT EXTERIOR RATE TYPE
- DUPLEX OUTLET WATER TIGHT
- EXTERIOR LIGHT WATER TIGHT
- FAN LIGHT WATER TIGHT
- WALL BOX
- TELEPHONE
- T.V.



SIDE ELEVATION

SCALE 1/4"= 1'- 0"



DOCKSIDE ELEVATION

SCALE 1/4"= 1'- 0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENVIRONMENTAL
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
HISTORIC

A M JULIEN AIA
Miami, Florida
phone (305) 445-4963

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

14976

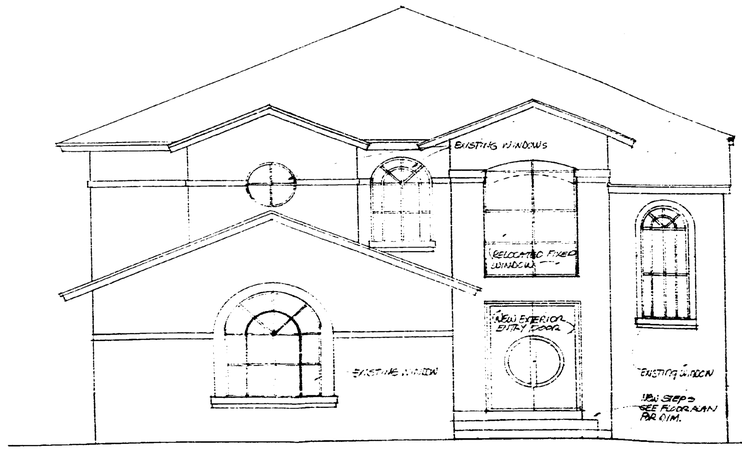
A-4
of
5

EXIST. 200 AMP "L" SERVICE CIRCUIT PANEL SCHEDULE

NO.	LOCATION	CKT. NO.	WIRE SIZE	TYPE
1	PANEL	200		SURFACE
2				
3	WELL POOL	30		
4				
5				
6	LIVING ROOM	1		
7	KITCHEN	2		
8	BEDROOM #1	3		
9	BEDROOM #2	4		
10	MASTER BEDROOM	5		
11	BEDROOM #3	6		
12	BEDROOM #4	7		
13				
14				
15	DOOR-BELL	8	14	#12 THW
16	LR BUILDING	9	14	#12 THW
17	FAN-LIGHT-RECEPTACLE	10	14	#12 THW
18	BUILDING	11	14	#12 THW

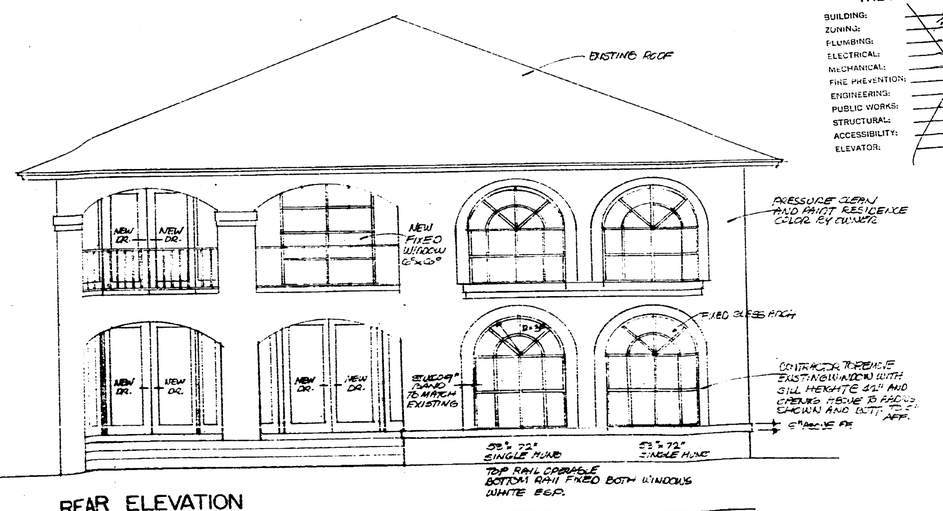
NO.	LOCATION	CKT. NO.	WIRE SIZE	TYPE
1				
2	OVEN			
3				
4				
5	CHANGE			
6				
7				
8				
9				
10	DISHWASHER			
11				
12	GARBAGE DISP.			
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				

LOAD	RECEPT.	REMARKS
6000		EXISTING
1200		
1500		
1500		
1500



FRONT ELEVATION

SCALE 1/4" = 1'-0"



REAR ELEVATION

SCALE 1/4" = 1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING:	
ZONING:	
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	
FIRE PREVENTION:	
ENGINEERING:	
PUBLIC WORKS:	
STRUCTURAL:	
ACCESSIBILITY:	
ELEVATOR:	

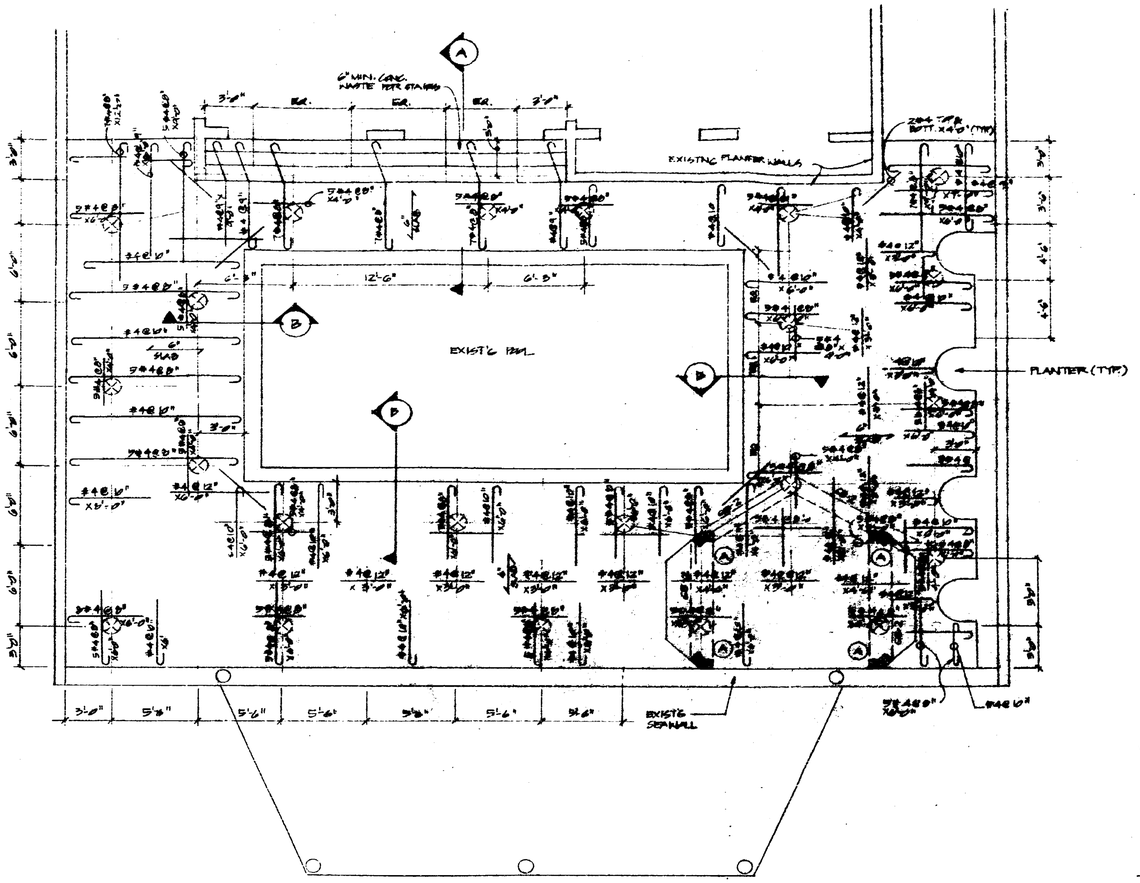
VOID

A M JULIEN A1A
phone (305) 445-4963 Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH, FL.

2-24-97
19976

A-5
of
5

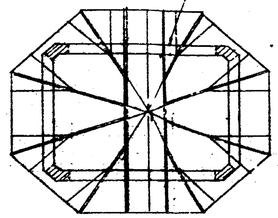


POOL DECK FOUNDATION PLAN
1/4"=1'-0"

PLAN NOTES:

1. (X) DENOTES 12" ϕ AUGER CAST CONCRETE PILES W/ ASSUMED 25 TONS COMPRESSION CAPACITY. OWNER TO APPOINT A GEOTECHNICAL ENGINEER TO DETERMINE PILE COMPRESSION CAPACITY. PILE REINFORCING TO BE 4-#8 VERT. FULL DEPTH, #3 TIES @ 12" O.C., GROUT 1 PC = [illegible] PSI @ 28 DAYS.
2. PLACE ALL GRAD. SLABS OVER 6 MIL. VAPOR BARRIER. VER. GRADE.
3. FOR 6" GRAD. SLAB PROVIDE #4@12" BOTT. REINF. E.A. WAY.
4. (⟷) DENOTES DIRECTION OF SLAB MAIN REINF. (ALTER. MAST LAYER.)
5. (═══) DENOTES SLAB TOP REINF.
6. (- - - -) DENOTES SLAB BOTT. REINF.
7. CS-2 DENOTES [illegible] GRADE BEAM REINF. W/ [illegible]

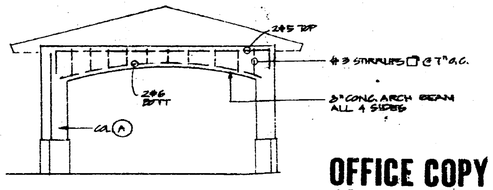
8. (A) DENOTES 8"X12"X12" GRAD. COLUMN REINF. W/ 5-#8 VERT. & #3 TIES @ 8" O.C.



NOTES:
1. FOR CONNECTION OF WOOD TRUSSES TO CONC. BEAMS PROVIDE "DTC" GALV. TRUSS ANCHOR BY "HUGHES" W/ 4-10d NAILS TO SEAT ft. & 7-10d NAILS TO STRAP
2. FOR ROOF SHEATHING PROVIDE MIN. 1/2" 3ply CDX PLYWOOD W/ 8d NAILS @ ALONG EDGES AND @ ALL SUPPORTING TRUSSES.

GAZEBO ROOF FMG. PLAN
1/4"=1'-0"

SUPERIMPOSED LOADS: DL= 25 PSF
LL= 20 PSF
NET UPLIFT = 51 PSF



GAZEBO ELEVATION
1/4"=1'-0"

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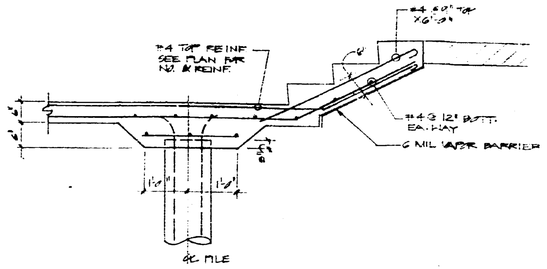
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

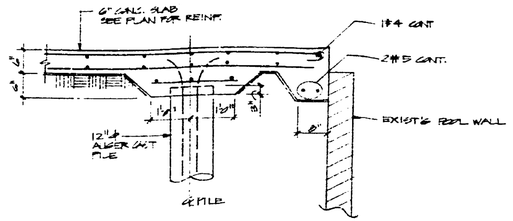
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

A M JULIEN AIA
Miami, Florida
phone (305) 446-4963

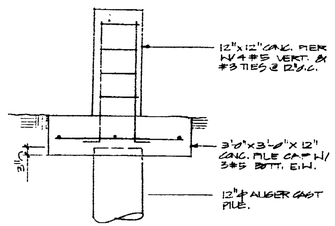
ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH, FL.



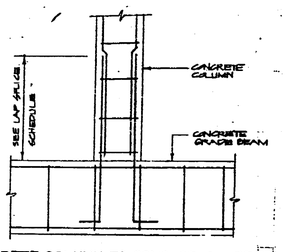
SECTION A
3/4" = 1'-0"



SECTION B
3/4" = 1'-0"



PRIVACY WALL PIER FOUNDATION DETAIL
3/4" = 1'-0"



CONCRETE COLUMN TO CONC. GRADE BEAM CONNECTION DETAIL
N.T.S.

GENERAL STRUCTURAL NOTES

1. General

A. The Contractor shall field check all dimensions on the structural drawings and verify same on the architectural set. Architectural details such as; slab depressions, waterproofing, curbs, mechanical openings, fascia framing and bracing shall be installed as shown on the architectural set.

B. The Contractor shall be responsible for strong and bracing to ensure safe working conditions at all times. All construction shall conform to the South Florida Building Code.

2. Concrete

A. All cast-in-place concrete in this job shall attain a minimum compressive strength (fc) at 28 days of 3000 p.s.i.

B. Concrete work shall conform to all requirements of ACI 301-latest edition specifications for structural concrete for building.

3. Reinforcing Steel

A. Reinforcing steel shall be detailed and placed in accordance with ACI 318-latest ed.

B. Reinforcing steel shall be deformed bars conforming to ASTM A 615 grade 60, unless otherwise noted.

C. All welded wire fabric shall conform to ASTM A 185.

D. Reinforcing to be securely in position with standard accessories during placing of concrete.

E. All bottom bars shall bear 6" minimum over supports.

4. Minimum Concrete Over Reinforcing

	Minimum Clear Cover. (in.)
A. Concrete against and permanently exposed to earth (unformed faces)	3
B. Concrete exposed to earth or weather (formed faces):	
a. #6 bars and larger	2
b. #5 bars and smaller	1 1/2
C. Not exposed to weather or in contact with ground	
a. Structural slabs & walls	3/4
b. Beams and Columns (Primary reinforcement, ties stirrups & spirals)	1 1/2
c. Slabs on grade	1 1/2

5. Masonry

A. Hollow concrete masonry units shall be of a quality of at least equal to that required by ASTM C 90 "standard specifications for hollow load bearing concrete masonry units".

B. All mortar shall comply with the property and proportion specifications of ASTM C 270. Except that slag cements shall not be used. Mortar for exterior walls shall be type M. For interior load bearing walls the mortar shall be type M or S. For interior walls above grade and not supporting loads the mortar shall be type M, S, or N.

C. Whenever anchor bolts are to be set in masonry, two cells at the setting location shall be filled with concrete.

D. Grout for masonry units shall conform to ASTM C 476 and shall attain a compressive strength of f'c= 3000 p.s.i. at 28 days.

E. Prism strength of masonry units shall be minimum of f'm= 1500 p.s.i.

F. Maximum pour lift for masonry units and grout pour height shall be 4'-0".

G. Slump 9" ± 1".

6. Structural Steel

A. Structural steel work shall comply with AISC "specifications for the design, fabrications and erections for buildings" as it appears on the manual of steel construction, latest edition.

B. Structural steel shapes, bars, plates and pipes shall conform to ASTM A 36, FY= 36 KSI.

C. Structural steel tubing shall conform to ASTM A 46, FY= 46 KSI.

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FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

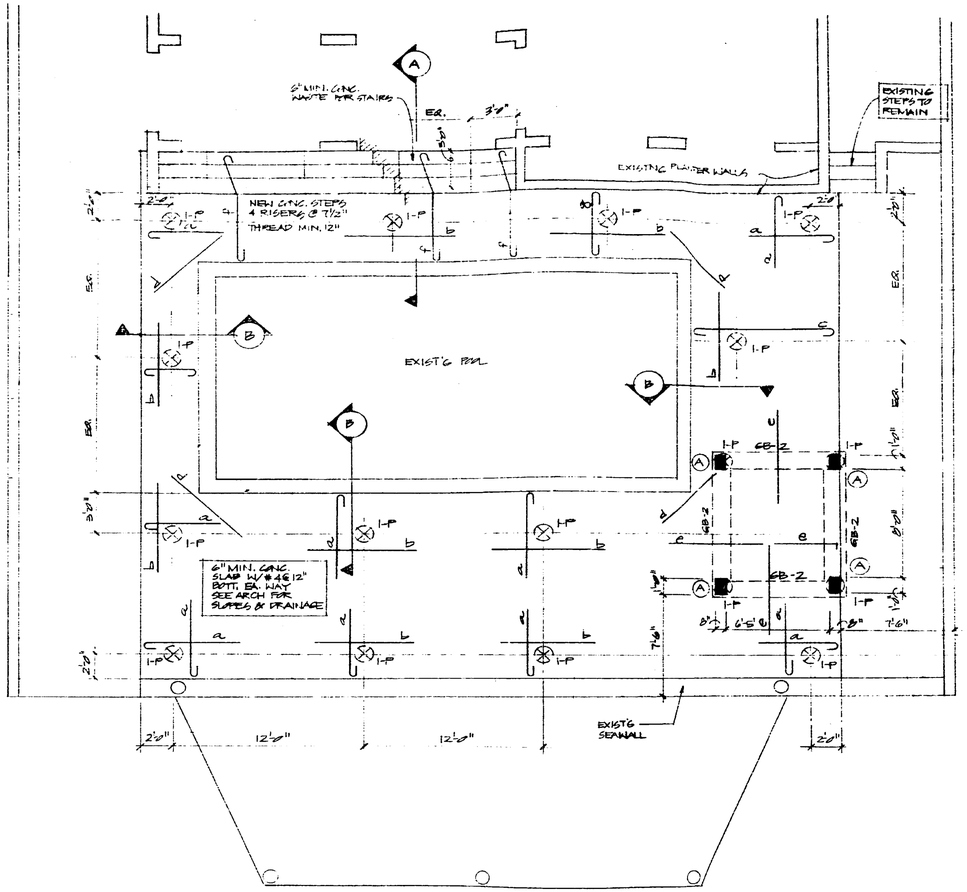
1/24

2-25-97 2-19-97 2-6-97

Zvonimir T. Beltranin, P.E.
Consulting Structural Engineer

A M JULIEN A1A
phone (305) 445-4963 Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH, FL.



POOL DECK FOUNDATION PLAN

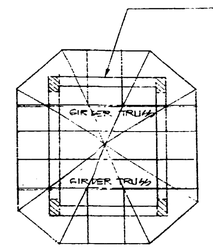
1/4" = 1'-0"

PLAN NOTES:

1. ⊗ DENOTES 12" ϕ AUGER CAST CONCRETE PILES W/ ASSUMED 25 TONS COMPRESSION CAPACITY. ANNER TO APPOINT A GEOTECHNICAL ENGINEER TO DETERMINE PILE COMPRESSION CAPACITY. PILE REINFORCING TO BE 4 #5 VERT. FULL DEPTH, #2 TIES @ 12" O.C., GROUT f'c = 4000 PSI @ 28 DAYS.
2. PLACE ALL G.N.C. SLABS OVER 6 MIL. VAPOR BARRIER OVER GRADE.
3. PER 6" G.N.C. SLAB PROVIDE #4 @ 12" BOTT. REINF. EA. WAY.
4. (⟵) DENOTES DIRECTION OF SLAB MAIN REINF. (OTHER MAT LAYER.)
5. (═══) DENOTES SLAB TOP REINF.
6. (- - - -) DENOTES SLAB BOTT. REINF.
7. GB-2 DENOTES 12" x 18" G.N.C. GRADE BEAM REINF. W/ 3 #5 T & B, 2 #6 BOTT., & #3 STIRRUPS □ @ 6" O.C.
8. Ⓐ DENOTES 8" x 12" G.N.C. COLUMN REINF. W/ 4 #5 VERT & #2 TIES □ @ 8" O.C.

BAR NOTATION:

a. 8 #4 @ 8" TOP x 6'-0" + 180° HOOK CENTERED ABOUT PILE.
b. 12 #4 @ 8" TOP x 6'-0" CENTERED ABOUT PILE BELOW.
c. #4 @ 8" TOP + 180° HOOK EA END
d. 2 #6 T & B x 5'-7"
e. #4 @ 8" TOP x 6'-0"
f. #4 @ 8" TOP W/ 180° HOOK EACH END, BENT AS REQ'D.
g. #4 @ 8" TOP W/ 180° HOOK EACH END.



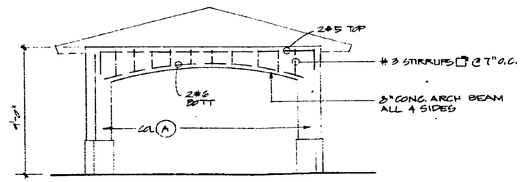
NOTES:

1. FOR CONNECTION OF WOOD TRUSSES TO G.N.C. BEAMS PROVIDE "H2" GALV. TRUSS ANCHOR BY "HUGHES" W/ 4-10d NAILS TO SEAT & 8-9-10d NAILS TO STRAP
2. FOR ROOF SHEATHING PROVIDE MIN. OF 3/8" CDX PLYWOOD W/ 8d NAILS @ 6" ALONG EDGES AND @ ALL SUPPORTING TRUSSES.

GAZEBO ROOF FMG. PLAN

1/4" = 1'-0"

SUPERIMPOSED LOADS: DL = 25 PSF
LL = 20 PSF
NET UPLIFT = 51 PSF



GAZEBO ELEVATION

1/4" = 1'-0"

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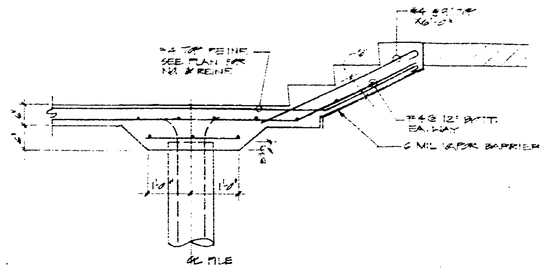
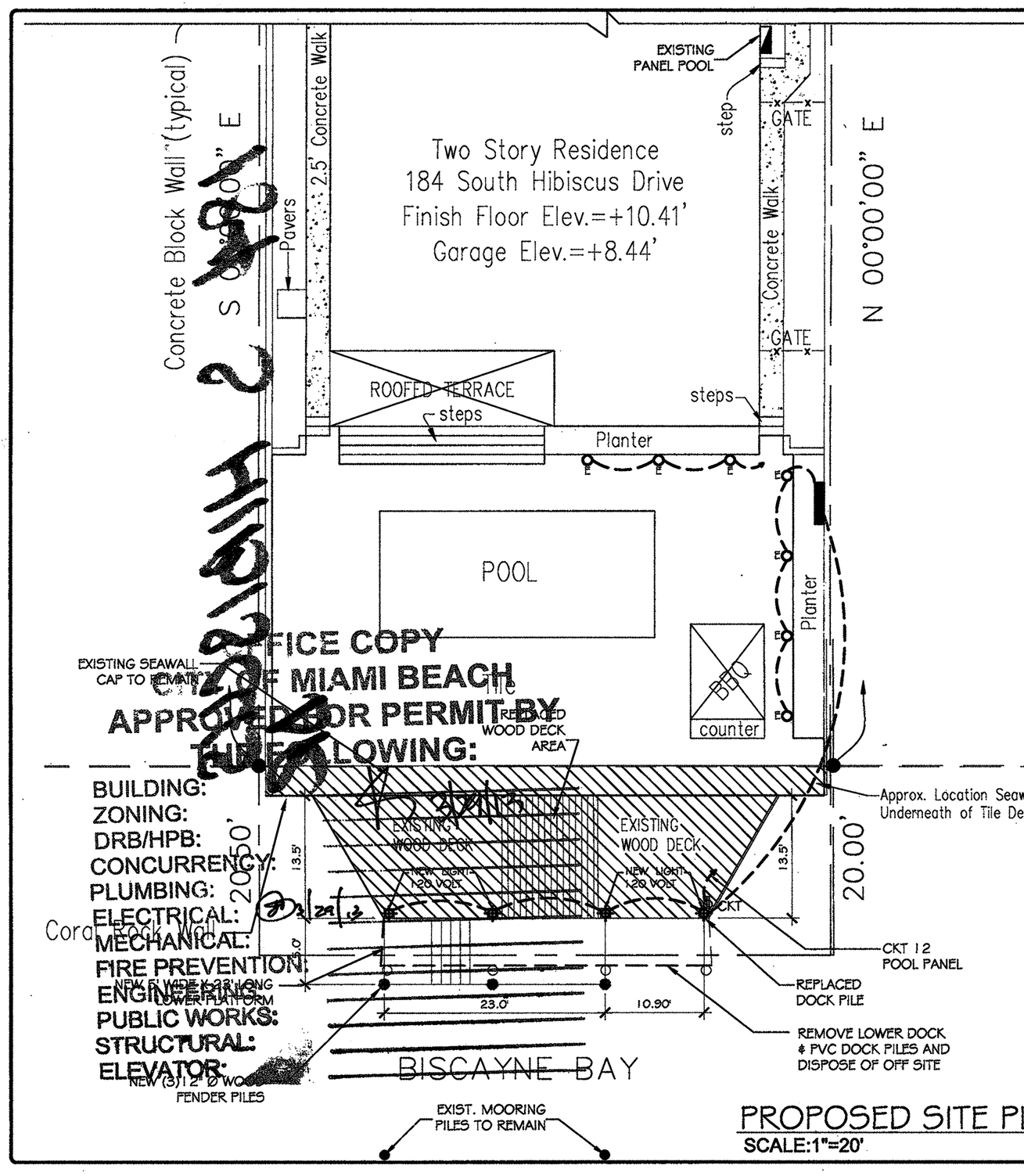
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING: 3/14/97
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:
3-1-97
2-14-97
2-6-97
Zvonimir T. Belfrasin, P.E.
Consulting Structural Engineer

A M JULIEN AIA
Miami, Florida
phone (305) 445-4963

ALCANTARA RENOVATIONS
184 SOUTH HI BISCUS DR.
MIAMI BEACH, FL.


#4 @ 8" o/c
#5 TOP REINF SEE PLAN FOR REINF
#4 @ 12" BOTT. EA. WAY
6 MIL VAPOR BARRIER
4" MIN.
1'-0"
1'-0"
24" MIN.
24" MIN.
24" MIN.

B9701479



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BUILDING:
ZONING:
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:
2050
Coral Rock Wall

PROPOSED SITE PLAN
SCALE:1"=20'

RECEIVED
MAR 2 1 2013
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

DERM COASTAL SECTION
FINAL APPROVAL
NAME
DATE 3/21/13

SYMBOLS AND NOTES:

GFCI : GROUND FAULT RECEPTACLE120 VOLT – 150 AMP. TAMPER RESISTANT WATER PROOF CONNECTED TO PANEL POOL CKT 12, 15 AMP.

NEW LIGHT 100 WATT INCANDESCENT CONNECTED TO TIME

EXISTING TIME 120 VOLTS CONNECTED TO PANEL POOL

EXISTING LIGHT OF POOL VOLTS CONNECTED TO EXISTING TIME

In addition to the requirement of this permit there may be additional permits from other agencies that may be required by Federal, State, and Local Laws, Rules, and Regulations which are approved subject to compliance with ... Records of this County and there may be additional permits ... Miami Beach assumes no responsibility for accuracy of or ... agencies, or Federal agencies.

03/18/13

NAC & Associates
14448 SW 173 St
Miami, Fl. 33177
PE #45176
305 957 2080

revisions:

CONSULTANTS:
Solver Structural Partnership, Inc.
7900 N.W. 25th ST Ste 205 Miami, Florida 33122
Phone:(305) 592-6998 Fax: (305) 599-9347
E-Mail: solverstruct@bellsouth.net
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: NEW WOOD DOCK
184 S. HIBISCUS DRIVE
MIAMI BEACH, FL 33139

title: PROPOSED SITE PLAN

date 03-13-13
issued
drawn R.A.
checked X.X.X.
project no.

sheet no.
E-1
1 of 1

BRELIMINARY PLAN

03-29-13

BREV13110

B1104931

184 S HIBISCUS SR

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APPROVED FOR PERMIT BY
THE FOLLOWING:

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

PAUL ROSEN

Permit No. 52715 Cost $14,000.00

Lot 27 Block 3 Subdivision Hibiscus Island Address 184 S. Hibiscus

9329

General Contractor Paul Rosen Bond No. 6307 3232-06-0860

Architect W. M. Friedman Engineer

Zoning Regulations: Use RD Area 5 Lot Size 60 x 175

Building Size: Front 40 Depth 80 Height 116 Stories 1

Certificate of Occupancy No. #3311 May 17, 1957 Use Residence:3 bdrms, 3 baths,attached garage

Type of Construction CBS IV Foundation 12'x24' Footings Roof Gravel,Gable Date Feb.21,1957

PLUMBING Contractor Serota: #39168 Sewer Connection Date March 4,1957

Temporary Water Closet 1

Water Closets 3
Lavatories 3
Bath Tubs 1
Showers 1
Urinals
Sinks 1, 1 Bar Sink
Dish Washing Machine
Laundry Trays
Laundry Washing Machines 1
Drinking Fountains
Floor Drains
Grease Traps
Safe Wastes

Swimming Pool Traps
Steam or Hot Water Boilers
ROUGH APPROVAL OK 3/5/57 Cox
FINAL APPROVAL OK 5/13/57 Cox

Down Spouts
Wells

GAS Contractor Date
Gas Ranges 1
Gas Water Heaters 1
Gas Space Heaters
Gas Refrigerators
Gas Steam Tables
Gas Broilers

Gas Frylators
Gas Pressing Machine
Gas Vents for Stove

GAS Rough APPROVAL OK 4/3/57 Cox
GAS FINAL APPROVAL

Elec Gas

AIR CONDITIONING Contractor Air Trend of Fla.,Inc:#52838-Insulated AC duct for house-$425-3/19/57

SEPTIC TANK Contractor Sun Gold: #39273- 1 600 Gal. Septic Tank- March 28, 1957 OK 3/27/57 Cox

OIL BURNER Contractor

SPRINKLER Contractor

ELECTRICAL Contractor Gates Electric #49554 Date March 11, 1957

OUTLETS: Switches 15, Lights 18, Receptacles 19
HEATERS: Water 1, Space 2
FIXTURES 18

Ranges
Irons 1
Refrigerators 1
Fans
Motors
Appliances 1

Temporary Service 1
Neon Transformers
Sign Outlets
Meter Change
Centers of Distributions 1
Service 1
Violations

Electrical Contractor Date

FINAL APPROVAL By Rosser Date 3/18/57

Alterations or Repairs—Over

Spot Survey-MZR

ALTERATIONS & ADDITIONS

Building Permits:

#39923 - "For Sale" sign as per Ord. #1024-Owner,Chas.F.Wheeler-$1.00-10/30/52
#50942 - Addition of 245 lineal feet of masonry wall-5' high:J. Frank Bradley, architect, James M. Anderson, Inc., contractor - $1800-July 10,1956---Frank Sidoni owner.

#53713 All State: 1 - 1 ton window air conditioner - $200- 6/26/57 ~~OK~~ Cancelled by Penguin 1/14/59 mm.
#58177 Penguin Corp: 1 - 3 ton pkg air conditioner - $900 - Dec. 29, 1958
#58278 Kaplan Installation Co: 1-3 ton air conditioning unit with condenser in garage self-contained,tie into ducts- $600 - Jan. 13, 1959
#61595 Paul Rosen: Close up opening in carport & install jalousie windows - $100 - April 12, 1960
#62682 Little River Marine Const: Construct a 12' x 20' timber dock. This permit issued based on future approval of TIIF State of Florida & approval of U. S. Army Engineers - $1390.00 - Nov. 21, 1960

~~#62837 Harris Bldg. Corp.: Addn on existing footings; screened and walls; 28'4" x 12'0" - $1500 - 10/30/64~~ OK Brown 3/15/65

Plumbing Permits:

#84496 - Biscayne Roofing - Reroofing 30 sq. built-up $895.00 6/23/70

#3122-Abel Air, Inc.- 1 4tons central a/c-$3000-10-31-74

PLUMBING PERMITS: #41967 Economy Plbg: 1- 4" sewer - 11/13/59 OK 11/18/59 Cox

#59705 8/5/81 Hernandez Plumb - 1 pool piping
#60391--Juan Marrero--1 Lavatory, 1 Laundry Tray, 1 Shower, 1 Water Closet--8/9/82

Electrical Permits:

#71662-John Hegh Electric- 1 4ton a/c1 1 15KW strip heater-10-14-74

#77339 Precision Eng Inc. - 1 motors 0-1 hp, 1 fitures 7/29/81

BUILDING PERMITS:

#90429 Jose M. Garcia Swimming pool, deck and gate--$8,000.00--7/15/81

#77558 11/2/81 Precision Eng - 5 switch outlets, 5 receptacles, 1-150 service size in amps, 2 appliance outlets, 1 water heater

#22077 4/27/82 Cortinas Const - interior remodling (in utility room) bathroom and closet $2,500. (double fee)

90429

90429 10045

90429

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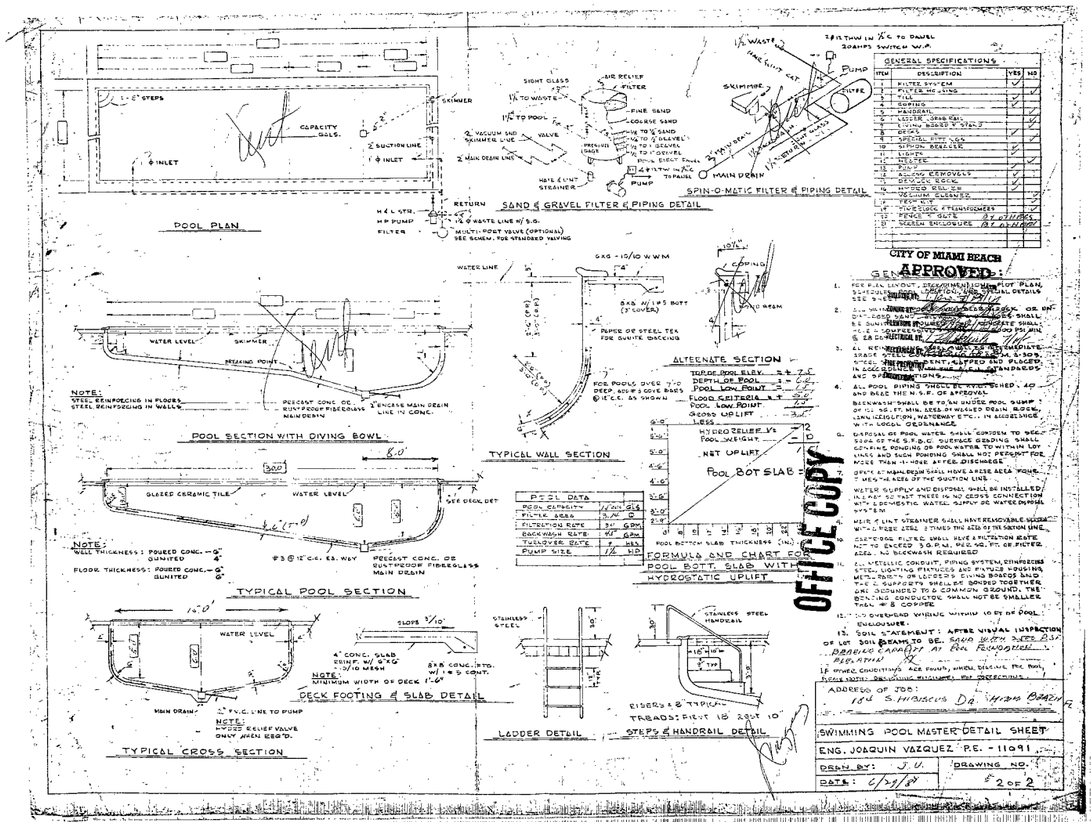
90429


POOL PLAN
SAND & GRAVEL FILTER & PIPING DETAIL
SPIN-O-MATIC FILTER & PIPING DETAIL
POOL SECTION WITH DIVING BOWL
TYPICAL WALL SECTION
ALTERNATE SECTION
TYPICAL POOL SECTION
DECK FOOTING & SLAB DETAIL
TYPICAL CROSS SECTION
LADDER DETAIL
STEPS & HANDRAIL DETAIL
FORMULA AND CHART FOR POOL BOTT. SLAB WITH HYDROSTATIC UPLIFT
GENERAL SPECIFICATIONS
CITY OF MIAMI BEACH
APPROVED
OFFICE COPY
ADDRESS OF JOB: 18th S. HIBISCUS DR. MIAMI BEACH FL
SWIMMING POOL MASTER DETAIL SHEET
ENG. JOAQUIN VAZQUEZ P.E. - 11091
DRAWING NO. 2 OF 2
DATE: 6/21/78

90429

WINGERTER LABORATORIES, INC.
Engineer's Laboratory and Inspection Service
1820 N.E. 164th Street
Drawer L, North Miami, Florida 33161

Page 1 of 5

No. 2
REPORT OF SOIL BORING
DRILLED 5-29-81 , North Miami, Florida 33161
Ground Investments International, Inc., Atty Mr. Juan Martinez
407 Lincoln Road, Suite S-A
CLIENT Miami Beach, Florida 33139
PROJECT Proposed Swimming Pool
LOCATION 20' east of west border and 75' south of north
boring is as directed in field by client
DRILLER M. Barker
ORDER NO. 36681.19550
LAB. NO. 8-1468
FIELD NO. 2
DATE STARTED 6-29-81
DATE COMPLETED 6-30-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	MOIST. CONT. %	DRY DENSITY P.C.F.
			1	1		
			2	1	16	42
17.0'			3	1	17	13
18.6'			4	1	18	15
	2.0'	Wet light gray limestone w/some sandy limestone	5	44	17	
			6	47	15	
			7	48		
20.0'			8	50	20	

Boring terminated @ 20.0' as directed.

HAMMER WEIGHT: CASING 340 LBS. SPOON 140 LBS.
HAMMER DROP: CASING 30 ins. SPOON 30 ins.
SAMPLER SIZE: O.D. 3.25 I.D. 2.42 TYPE Barrel
CASING SIZE: O.D. 5.56 I.D. 5.00 TYPE Barrel
WATER LEVEL: 8.00 ' BELOW SURFACE @ Completion DATE 6-30-81

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED ONLY ON THE BASIS THAT THEY ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM ADDRESSED. NO REPORT IS TO BE REPRODUCED, PUBLISHED OR USED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER. THE CONCLUSIONS, OPINIONS OR RECOMMENDATIONS EXPRESSED IN THIS REPORT APPLY ONLY TO THE SPECIFIC PROJECT AND DATA REFERRED TO HEREIN. ANY USE OF THIS REPORT OR ANY PORTION THEREOF FOR OTHER PROJECTS OR ADDITIONS TO THIS PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER SHALL BE AT THE USER'S SOLE RISK. THE USER AGREES TO INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES AND EXPENSES ARISING OUT OF SUCH UNAUTHORIZED USE. CHECK THIS REPORT WITH THE SAMPLES SUBMITTED PRIOR TO THE PURCHASE OF PROPERTY, OR DESIGNING OF STRUCTURES.

Approved By: Harry C. Wingerter
WINGERTER LABORATORIES, INC.
Form 6863-185

WINGERTER LABORATORIES, INC.
Engineer's Laboratory and Inspection Service
1820 N.E. 164th Street
Drawer L, North Miami, Florida 33161

Page 2 of 5

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407 Lincoln Road, Suite S-A
CLIENT Miami Beach, Florida 33139
PROJECT Proposed Swimming Pool
LOCATION 20' east of west border and 75' south of north
boring is as directed in field by the client
DRILLER M. Barker
ORDER NO. 36681.19550
LAB. NO. 8-1468
FIELD NO. 2
DATE STARTED 6-29-81
DATE COMPLETED 6-30-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	MOIST. CONT. %	DRY DENSITY P.C.F.
	2.0'	Moist brown silty sand w/some roots and fill	1	4	1	9
2.0'			2	6	1	8
	1.0'	Moist grey medium fine silty sand w/some	3	8		
3.0'		varigated size shells	4	11	2	12
	1.0'	Wet brown medium fine sand w/some soft lime-	5	4	4	13
4.0'		stone	6	3	5	18
	2.0'	Wet grey clayey silt	7	2	6	19
6.0'			8	1	7	17
	2.0'	Wet grey clayey silt	9	1	7	17
8.0'			10	2	6	7
	2.0'	Wet grey clayey silt, trace of sandy silt	11	2	9	8
10.0'			12	2	10	10
	2.0'	Wet grey clayey silt, w/some shells	13	1	11	13
12.0'			14	1	11	16
	3.0'	Wet grey silty silt, w/some shells	15	1	11	11
15.0'			16	1	11	16

HAMMER WEIGHT: CASING ____ LBS. SPOON ____ LBS.
HAMMER DROP: CASING ____ ins. SPOON ____ ins.
SAMPLER SIZE: O.D. ____ I.D. ____ TYPE ____
CASING SIZE: O.D. ____ I.D. ____ TYPE ____
WATER LEVEL: ____ ' BELOW SURFACE @ ____ DATE ____

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED ONLY ON THE BASIS THAT THEY ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM ADDRESSED. NO REPORT IS TO BE REPRODUCED, PUBLISHED OR USED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER. THE CONCLUSIONS, OPINIONS OR RECOMMENDATIONS EXPRESSED IN THIS REPORT APPLY ONLY TO THE SPECIFIC PROJECT AND DATA REFERRED TO HEREIN. ANY USE OF THIS REPORT OR ANY PORTION THEREOF FOR OTHER PROJECTS OR ADDITIONS TO THIS PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER SHALL BE AT THE USER'S SOLE RISK. THE USER AGREES TO INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES AND EXPENSES ARISING OUT OF SUCH UNAUTHORIZED USE. CHECK THIS REPORT WITH THE SAMPLES SUBMITTED PRIOR TO THE PURCHASE OF PROPERTY, OR DESIGNING OF STRUCTURES.

WINGERTER LABORATORIES, INC.
Form 6862-185

WINGERTER LABORATORIES, INC.
Engineer's Laboratory and Inspection Service
1820 N.E. 164th Street
Drawer "L", North Miami, Florida 33161

Page 3 of 5
D-28677 6-11-81

No. 1
REPORT OF SOIL BORING
DRILLED "L", North Miami, Florida 33161
Ground Investments International, Inc., Atty Mr. Juan Martinez
407 Lincoln Road, Suite S-A
CLIENT Miami Beach, Florida 33139
PROJECT Proposed Swimming Pool
LOCATION 18' north of south sidewalk and 15' east of west
property line (as directed by client)
DRILLER M. Barker
ORDER NO. 36681.19550
LAB. NO. 8-1467
FIELD NO. 1
DATE STARTED 6-30-81
DATE COMPLETED 6-30-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	MOIST. CONT. %	DRY DENSITY P.C.F.
			9			
	2.0'	Wet light gray soft limestone, w/some silty	10	16	16	78
17.0'		limestone, traces of fine shells	11	16		
	1.6'	Wet light gray soft limestone, w/some silty	12	17	21	
18.6'		limestone, traces of fine shells	13	15	33	
	2.0'	Wet light gray soft limestone, w/some silty	14	16		
		limestone, traces of fine shells	15	17	19	
20.0'			16			

Boring terminated @ 20.0' as directed.

HAMMER WEIGHT: CASING 340 LBS. SPOON 140 LBS.
HAMMER DROP: CASING 30 ins. SPOON 30 ins.
SAMPLER SIZE: O.D. 3.25 I.D. 2.42 TYPE Barrel
CASING SIZE: O.D. 5.56 I.D. 5.00 TYPE Barrel
WATER LEVEL: 8.00 ' BELOW SURFACE @ 1:00 p.m. DATE 6-30-81

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Approved By: Harry C. Wingerter
WINGERTER LABORATORIES, INC.
G. A. Kinney, P. E.
Florida Registration No. 11,205
Form 6867-185

WINGERTER LABORATORIES, INC.
Engineer's Laboratory and Inspection Service
1820 N.E. 164th Street
Drawer "L", North Miami, Florida 33161

Page 4 of 5
D-28676 6-11-81

No. 2 (2 copies)
REPORT OF SOIL BORING
DRILLED 5-29-81 , North Miami, Florida 33161
Ground Investments International, Inc., Atty Mr. Juan Martinez
407 Lincoln Road, Suite S-A
CLIENT Miami Beach, Florida 33139
PROJECT Proposed Swimming Pool
LOCATION 20' east of west border and 75' south of north
boring is as directed in field by the client
DRILLER M. Barker
ORDER NO. 36681.19550
LAB. NO. 8-1468
FIELD NO. 2
DATE STARTED 6-29-81
DATE COMPLETED 6-30-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	MOIST. CONT. %	DRY DENSITY P.C.F.
	2.0'	Moist brown silty sand w/some roots and fill	1	4	1	9
2.0'			2	6	1	8
	1.0'	Moist grey medium fine silty sand w/some	3	8		
3.0'		varigated size shells	4	11	2	12
	1.0'	Wet brown medium fine sand w/some soft lime-	5	4	4	13
4.0'		stone	6	3	5	18
	2.0'	Wet grey clayey silt	7	2	6	19
6.0'			8	1	7	17
	2.0'	Wet grey clayey silt	9	1	7	17
8.0'			10	2	6	7
	2.0'	Wet grey clayey silt, trace of sandy silt	11	2	9	8
10.0'			12	2	10	10
	2.0'	Wet grey clayey silt, w/some shells	13	1	11	13
12.0'			14	1	11	16
	3.0'	Wet grey silty silt, w/some shells	15	1	11	11
15.0'			16	1	11	16

HAMMER WEIGHT: CASING ____ LBS. SPOON ____ LBS.
HAMMER DROP: CASING ____ ins. SPOON ____ ins.
SAMPLER SIZE: O.D. ____ I.D. ____ TYPE ____
CASING SIZE: O.D. ____ I.D. ____ TYPE ____
WATER LEVEL: ____ ' BELOW SURFACE @ ____ DATE ____

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WINGERTER LABORATORIES, INC.
Form 6862-185

WINGERTER LABORATORIES, INC.
Engineer's Laboratory and Inspection Service
1820 N.E. 164th Street
Drawer "L", North Miami, Florida 33161

Page 5 of 5
D-28678 6-11-81

No. 2
REPORT OF SOIL BORING
DRILLED 5-29-81 , North Miami, Florida 33161
Ground Investments International, Inc., Atty Mr. Juan Martinez
407 Lincoln Road, Suite S-A
CLIENT Miami Beach, Florida 33139
PROJECT Proposed Swimming Pool
LOCATION 20' east of west border and 75' south of north
boring is as directed in field by the client
DRILLER M. Barker
ORDER NO. 36681.19550
LAB. NO. 8-1468
FIELD NO. 2
DATE STARTED 6-29-81
DATE COMPLETED 6-30-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	MOIST. CONT. %	DRY DENSITY P.C.F.
			1	1		
			2	1	16	42
17.0'			3	1	17	13
18.6'			4	1	18	15
	2.0'	Wet light gray limestone w/some sandy limestone	5	44	17	
			6	47	15	
			7	48		
20.0'			8	50	20	

Boring terminated @ 20.0' as directed.

HAMMER WEIGHT: CASING 340 LBS. SPOON 140 LBS.
HAMMER DROP: CASING 30 ins. SPOON 30 ins.
SAMPLER SIZE: O.D. 3.25 I.D. 2.42 TYPE Barrel
CASING SIZE: O.D. 5.56 I.D. 5.00 TYPE Barrel
WATER LEVEL: 8.00 ' BELOW SURFACE @ Completion DATE 6-30-81

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Approved By: Harry C. Wingerter
WINGERTER LABORATORIES, INC.
G. A. Kinney, P. E.
Florida Registration No. 11,205
Form 6867-185

WINGERTER LABORATORIES, INC.
Engineer's Laboratory and Inspection Service
1820 N.E. 164th Street
Drawer "L", North Miami, Florida 33161

Page 2 of 5
D-28677 6-11-81

Job 1 (2 copies)
REPORT OF SOIL BORING
DRILLED 5-29-81 , North Miami, Florida 33161
Ground Investments International, Inc. Atty Mr. Juan Martinez
407 Lincoln Road, Suite S-A
CLIENT Miami Beach, Florida 33139
PROJECT Proposed Swimming Pool
LOCATION 18' north of south sidewalk and 15' east of west
property line (as directed by client)
DRILLER M. Barker
ORDER NO. 36681.19550
LAB. NO. 8-1467
FIELD NO. 1
DATE STARTED 6-30-81
DATE COMPLETED 6-30-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	MOIST. CONT. %	DRY DENSITY P.C.F.
1.6'	1.6'	Dry brown silty sand w/some silt, traces of shell	1	4	1	9
3.0'	1.4'	Moist grey, medium fine sand, w/some clayey silt, traces of organic matter	2	6	2	6
4.5'	2.0'	Wet grey sandy silt, traces of shell	3	3	3	8
6.0'	2.0'	Wet grey sandy silt, traces of shell	4	2	4	11
9.0'	2.0'	Wet grey, clayey silt, traces of shells	5	2	5	8
10.0'	1.0'	Wet grey, clayey silt, traces of shells	6	2	6	7
12.0'	2.0'	Wet grey, clayey silt, traces of shells	7	3	3	5
15.0'	3.0'	Wet grey, clayey silt, traces of shells	8	1	9	9
			9	1	10	6
			10	2	11	2
			11	2	12	14
			12	2	13	32
			13		14	27
			14		15	32

HAMMER WEIGHT: CASING ____ LBS. SPOON ____ LBS.
HAMMER DROP: CASING ____ ins. SPOON ____ ins.
SAMPLER SIZE: O.D. ____ I.D. ____ TYPE ____
CASING SIZE: O.D. ____ I.D. ____ TYPE ____
WATER LEVEL: ____ ' BELOW SURFACE @ ____ DATE ____

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WINGERTER LABORATORIES, INC
Form 6862-185

WINGERTER LABORATORIES, INC
Engineer's Laboratory and Inspection Service
1820 N. E. 164th Street, North Miami, Florida 33161
Page 1 of 5

REPORT # 1 + 2 + DR's Soil Borings
SUBJECT: Ground Investments International, Inc.
PROJECT: Proposed Swimming Pool
LOCATION: 18c South Hibiscus Drive, Hibiscus Island, Miami Beach, Florida
ARCHITECT: Not given
ENGR: Not given
DATE: June 9 - 30, 1981
REPORT TO: Ground Investments International, Inc. - Attn Mr. Juan Martinez
407 Lincoln Road, Suite S-A
Miami Beach, Florida 33139
ORDER NO. 36681.19550

Gentlemen:

At the client's authorization, Wingerter Laboratories, Inc. has completed soil borings at the above project location.

The field work was performed with the use of a mechanical drilling rig. Undisturbed samples were obtained from the several borings at the site. The samples were taken at various depths by means of a 3" O.D. split barrel sampler. The borings were advanced 2 feet or more with successive blows of a 140 pound hammer dropping 30 inches. A total number of 31 soil samples were obtained and tested in the laboratory. Test data, including the penetration resistance, moisture content, dry density, visual classification and other pertinent data, is presented on the attached boring logs.

The boring logs are presented herewith, and show the soil conditions encountered at the specified locations.

Very truly yours,
WINGERTER LABORATORIES, INC.
G. A. Kinney, P. E.
Florida Registration No. 11,205

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Mark This 3 set
Miami Beach Pool Permit.
Miami Beach FL

Dear Sir: This letter is to confirm that as the Structural Engineer to submit the plans for the swimming pool at the above address, I have not received any plans from the Engineer of Record, Wingerter Laboratories, Inc. in City of Miami Beach.

Thank you,
[illegible]
PE 11654

DATE: [illegible]

CITY OF MIAMI BEACH CODE ENFORCEMENT DIVISION
CONSTRUCTION SERVICES SECTION
1700 CONVENTION CENTER DRIVE
ATTENTION: BUILDING OFFICIAL

OWNERS AFFIDAVIT

I, [illegible] certify that I am the owner of property described as:

ADDRESS [illegible]
LEGAL DESCRIPTION Lot [illegible] Block [illegible]
Subdivision [illegible]

I authorize [illegible] as my agent to obtain a building permit for the following work.

[illegible]

OWNER:

$ 32.00 FLOR.DA

COUNTY OF DADE

Before me personally appeared [illegible] who by me being duly sworn upon oath, says that the statements set forth above are true and correct. Subscribed and sworn to before me this [illegible] day of [illegible], 19[illegible].

NOTARY PUBLIC FOR [illegible] COUNTY, STATE OF [illegible]

PD, DC MOORE DEPARTMENT — Engineering Division
TO CODE ENFORCEMENT DIVISION — Construction Services
LEGAL DESCRIPTION: LOT: 27 BLOCK: 3 HIBISCUS ISLAND
LEGAL ADDRESS: 184 S. Hibiscus Drive
PLAN DESCRIPTION: SWIMMING POOL

THE ABOVE PLAN SUBMITTED TO THIS DIVISION NEEDS THE FOLLOWING CORRECTIONS:
TO THE EXISTING FACILITIES
GARBAGE FACILITIES:
SANITARY SEWER:
WATER:
DRAINAGE: AS SHOWN-POOL WASTE WATER TO BE PIPED TO BAY
ELEVATIONS: ELEVATIONS SHOWN ON DRAINAGE LINE TO BAY/GRADE UPSIDE PLAN LOW WATER
GRADES: AS SHOWN
REINFORCEMENTS REQUIREMENTS: NONE

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

COMMENTS:
10 days - 233 5817
2 FT 30 MD
Frank Morris
CMC Contracting
13720 SW 42 Ave.

APPROVED FOR PERMIT SUBJECT TO ABOVE COMMENTS [illegible]

90429

Def. Permit # 9989

APPLICANT'S NAME [illegible]

ADDRESS [illegible]

PROCEDURES FOR ACCEPTING PERMIT APPLICATIONS

PRE-REQUISITES FOR ACCEPTANCE

_____ Notarized owner's Letter of Authorization

_____ Instructions to Owner/Builder Form

_____ Application form completed and signed by Owner/Contractor (signature must be notarized)

_____ Copy of Contract

_____ Two sets of plans with complete construction details

_____ Signed Engineer's seal (Florida registered)

_____ Signed Architect's seal (Florida registered)

_____ Surveys

_____ Site Plans

X Soil test with qualifying statement by engineer

_____ Safety Barrier for Pools (form)

_____ Current copies of contractor's Certificate of Competency, Municipal Occupational License and State Registration Number

PRIOR APPROVALS REQUIRED BY

_____ Metro Dade County Building Department
140 West Flagler Street
PHONE: 579-2500 - Miami

_____ County Health Department
1350 N. W. 14th Street
PHONE: 325-2594 - Miami

_____ Pollution Control (Environmental Protection Agency)
909 S. E. 1st Avenue
PHONE: 579-2760 - Miami

_____ Products Control
909 S. E. 1st Avenue
PHONE: 579-2610 - Miami

_____ South Shore Redevelopment Agency
555 Alton Road
PHONE: 673-7200 - Miami Beach

_____ Recertification Required (40-year old structures)
Modesto de la Vega, P.E.
Miami Beach City Hall, 4th Floor
PHONE. 673-7622 - Miami Beach

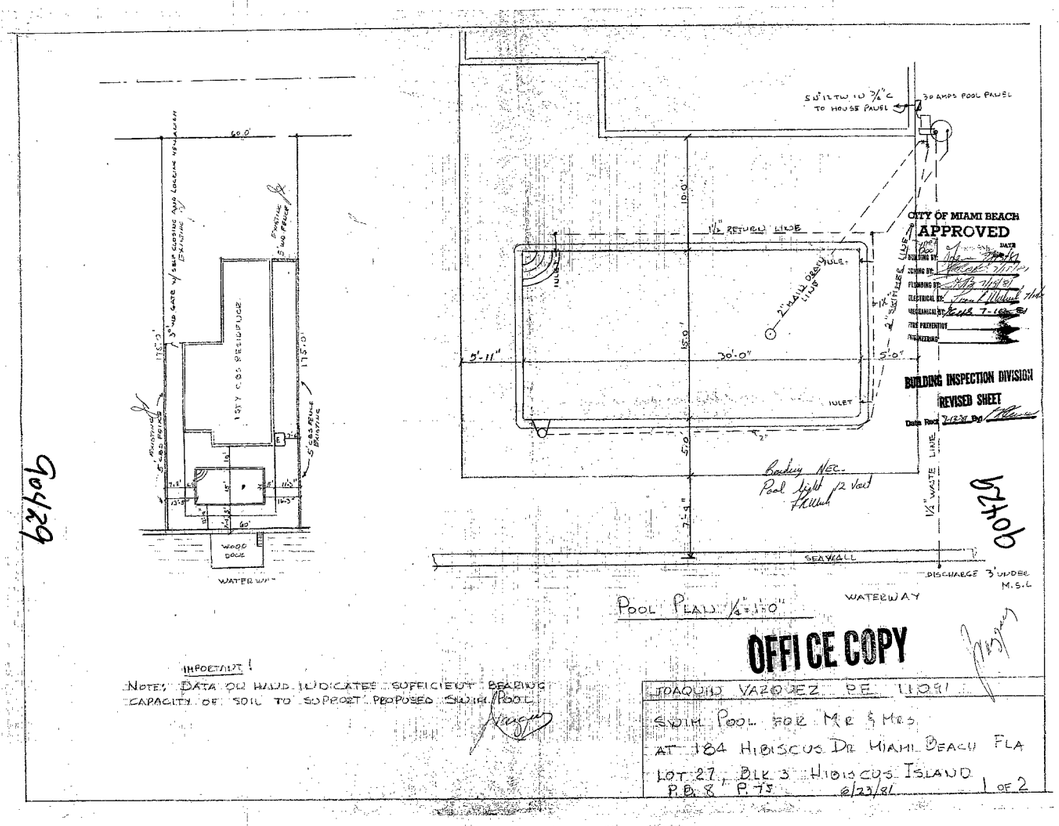
_____ U. S. Army Corps of Engineers
P.O. Drawer 59
PHONE: 673-6304 - Miami Beach

_____ Other (specify)

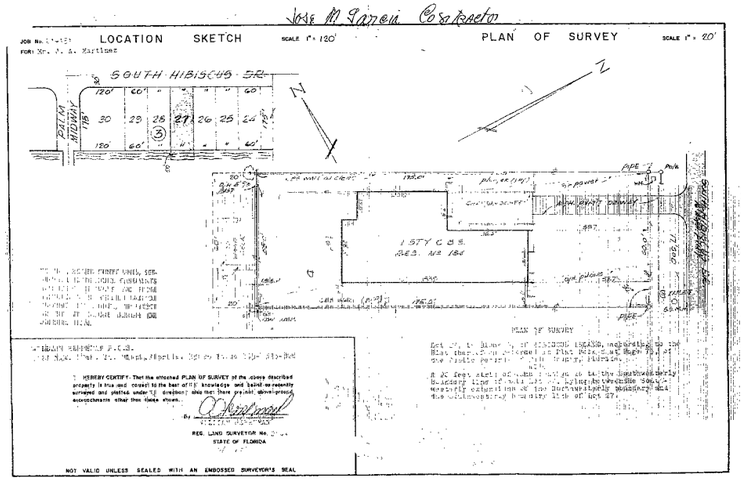
DATE _____

_____
Inspector's Initials

90429


60.0'
5'-0" GATE w/ SELF CLOSING AND LOCKING MECHANISM EXISTING
EXISTING 5'-0" FENCE
15'-0"
15'-0"
15'-0"

Jose M Garcia Contractor



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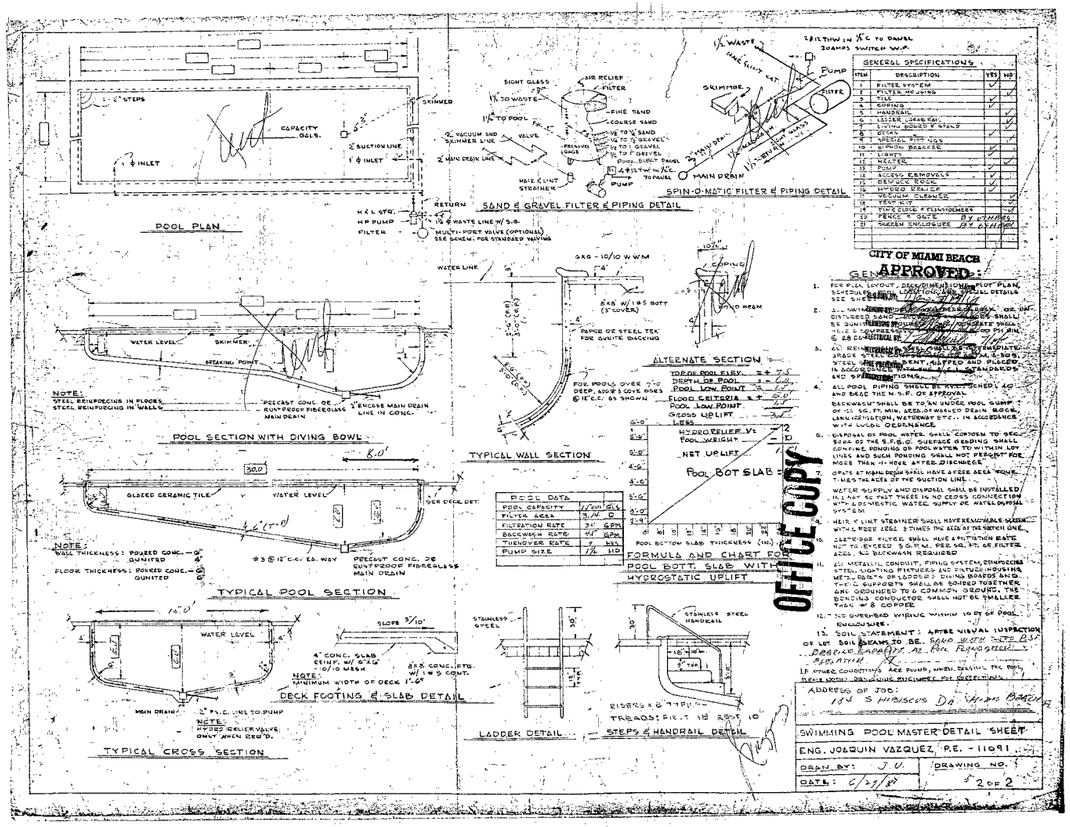
POOL PLAN
SAND & GRAVEL FILTER & PIPING DETAIL
SPIN-O-MATIC FILTER & PIPING DETAIL
POOL SECTION WITH DIVING BOWL
TYPICAL WALL SECTION
ALTERNATE SECTION
TYPICAL POOL SECTION
DECK FOOTING & SLAB DETAIL
TYPICAL CROSS SECTION
LADDER DETAIL
STEPS & HANDRAIL DETAIL
FORMULA AND CHART FOR POOL BOTT. SLAB WITH HYDROSTATIC UPLIFT
GENERAL SPECIFICATIONS
CITY OF MIAMI BEACH
APPROVED:
OFFICE COPY
POOL DATA
SWIMMING POOL MASTER DETAIL SHEET
ENG. JOAQUIN VAZQUEZ, P.E. - 11091
DRAWING NO. 1
DATE: 6/27/88
SHEET 2 OF 2

90429

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service Page 1 of 3

1820 N. E. 144th Street
Drawer I, North Miami, Florida 33161

REPORTS (1 - 2) OF: SOIL BORINGS ORDER NO. 16011.1(955)

CLIENT: Geomar Investments International, Inc.
PROJECT: Proposed Swimming Pool
LOCATION: 184 South Hibiscus Drive, Hibiscus Island, Miami Beach, Florida
ARCHITECT: Not given
ENGINEER: Not given
DATE: June 9 - 10, 1981
REPORTED TO: Geomar Investments International, Inc. - Attn: Mr. Juan Martinez
407 Lincoln Road, Suite S-A
Miami Beach, Florida 33139

Gentlemen:

At the client's authorization, Wingerter Laboratories, Inc. have conducted soil borings at the above project location.

The field work was performed with the use of a standard drilling rig. Disturbed samples were obtained from the subsoil strata using a 2 foot long, 2 inch diameter split spoon sampler according to ASTM Designation D-1586 method. The sampler was advanced 2 feet at a time with successive blows of a 140 pound hammer dropping 30 inches and the number of blows required for each 6 inch penetration. Rock core drilling, if required, was performed with the procedures outlined in ASTM Designation D-2113.

The boring logs are submitted herewith, which present only the factual information obtained of the subsurface.

Data interpretation, recommendations for the type of foundation and soil bearing capacity, and settlement analysis, etc., will be made, if requested.

Respectfully submitted,
WINGERTER LABORATORIES, INC.

G. A. Hornby, P. E.

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR WRITTEN APPROVAL.

Form 695-680

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service Page 2 of 3
6-23677 6-11-81

No. 1 (2 SHOWN) 1820 N.E. 144th Street
REPORT OF SOIL BORINGS DRAWER "I", North Miami, Florida 33161

CLIENT Geomar Investments International, Inc. Attn: Mr. Juan Martinez
407 Lincoln Road, Suite S-A
Miami Beach, Florida 33139 ORDER NO. 16011.1(955)

PROJECT Proposed Swimming Pool LAB. NO. 1407

LOCATION 18' north of south seawall and 13' east of west property line (as directed in field by client) BOR. NO. 1

DATE STARTED 6-9-81

ENGR. D. Butler DRILL NO. Portable DATE COMPLETED 6-10-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NUMBER	BLOWS PER FOOT		
1.0'		1.0' Dry brown silty sand w/some fill, traces of shell	1	4 6 8	1	4
2.0'		1.0' Moist gray, sodium fine sand, w/some clayey silt, traces of organic matter	2	5 5 5	2	6
4.0'		2.0' Wet gray sandy silt, traces of shell	3	4 3 3	3	8
6.0'		2.0' Wet gray sandy silt, traces of shell	4	3 2 2	4	11
8.0'		2.0' Wet gray, clayey silt, traces of shells	5	2 1 1	5	9
10.0'		2.0' Wet gray, clayey silt, traces of shells	6	1 1 2	6	7
12.0'		2.0' Wet gray, clayey silt, traces of shells	7	2 2 3	7	5
15.0'		3.0' Wet gray, clayey silt, traces of shells		1 1 1	8	6
				2 3 2	9	9
				1 1 1	10	8
				2 2 1	11	22
				1 1 1	12	21
					13	22
					14	20
					15	22

HAMMER WEIGHT CAT'G ____ LBS. DROP ____ IN.
HAMMER TYPE CAT'G ____ MAN. ____ MEC.
SAMPLER I.D. ____ O.D. ____
CASING SIZE ____ I.D. ____ O.D.
WATER LEVEL ____ ____ HRS. ____ TYPE ____
____ ____ DATE ____

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, THE ENGINEER IN THE CONCRETE INDUSTRY CHECKS CONCRETE WITH THE SAMPLES SUBMITTED PRIOR TO THE PURCHASE OF PROPERTY, OR DESIGNING OF STRUCTURES.

By _____ WINGERTER LABORATORIES, INC

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR WRITTEN APPROVAL.
Form 695-681

Def. Permit # 15887

APPLICANT'S NAME [illegible]

ADDRESS [illegible]

PHONE 532-[illegible]

PROCEDURES FOR ACCEPTING PERMIT APPLICATIONS

PRE-REQUISITES FOR ACCEPTANCE

_____ Notarized owner's Letter of Authorization
_____ Instructions to Owner/Builder Form
_____ Application form completed and signed by Owner/Contractor (signature must be notarized)
_____ Copy of Contract
_____ Two sets of plans with complete construction details
_____ Signed Engineer's seal (Florida registered)
_____ Signed Architect's seal (Florida registered)
_____ Surveys
_____ Site Plans
X Soil test with qualifying statement by engineer
_____ Safety Barrier for Pools (form)
_____ Current copies of contractor's Certificate of Competency, Municipal Occupational License and State Registration Number

PRIOR APPROVALS REQUIRED BY

_____ Metro Dade County Building Department
140 West Flagler Street
PHONE: 579-2500 - Miami

_____ County Health Department
1350 N. W. 14th Street
PHONE: 325-2594 - Miami

_____ Pollution Control (Environmental Protection Agency)
909 S. E. 1st Avenue
PHONE: 579-2760 - Miami

_____ Products Control
909 S. E. 1st Avenue
PHONE: 579-2610 - Miami

_____ South Shore Redevelopment Agency
335 Alton Road
PHONE: 673-7200 - Miami Beach

_____ Recertification Required (40-year old structures)
Roderic de la Vega, P.E.
Miami Beach City Hall, 4th Floor
PHONE: 673-7622 - Miami Beach

_____ U. S. Army Corps of Engineers
P.O. Drawer 59
PHONE: 673-6804 - Miami Beach

_____ Other (specify)
[illegible]

DATE _____ Inspector's initials

PUBLIC WORKS DEPARTMENT Engineering Division

TO: CODE ENFORCEMENT DIVISION Construction Services

LEGAL DESCRIPTION: LOT: 27 BLOCK: 3 HIBISCUS ISLAND

LEGAL ADDRESS: 184 S Hibiscus Drive

PLAN DESCRIPTION: SWIMMING POOL

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

GARBAGE FACILITIES: TO USE EXISTING FACILITIES

SANITARY SEWER: " " " "

WATER: " " " "

DRAINAGE: AS SHOWN-POOL WASTE WATER TO BE PIPED TO BAY.
DRAINAGE LINE TO DISCHARGE BELOW MEAN LOW WATER

GRADES: AS SHOWN

ENCROACHMENTS: EASEMENTS: NONE

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

COMMENTS: 10 085 = 235 5817
2TT 37 NO
Jesus J Soares
GM & G Contracting
13720 SW 92 Ave.

APPROVED FOR PERMIT SUBJECT TO ABOVE CORRECTIONS 7/16/81 (date) FRANK AYMONIN ENGINEERING DIV.

Miami July 3 198

Miami Beach Bldg Depart.
Miami Beach Fl

Dear Sir: This letter is to certify that in my opinion there is sufficient bearing capacity at pool foundation elevation to support the pool at 184 Hibiscus Dr. Data being taken from soil test provided by Wingerter Laboratories Inc. in 6/4-/81. Hibiscus Island (Miami)

Test Hole
Pool
PE 13 91

90429

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service

Page 3 of 3
0-23578 6-11-81 BL

No. 1
REPORT OF SOIL BORING

1920 N.E. 149th Street
DOUGLAS "A", North Miami, Florida 33181

Geotechnical Investigation
457 Lincoln Road, Suite 6-S
Miami Beach, Florida 33139

CLIENT Miami Beach, Florida 33139
PROJECT Proposed Performing Arts
LOCATION 18" north of South approach and 15' east of west property line (as directed in field by client)
DRILLER N. Bailey
DRILL No. Portable

ORDER No. 16011.1(950)
LAB. NO. B-4438
HOLE No. 3
DATE STARTED 6-10-81
DATE COMPLETED 6-10-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	COMP. STR.	MOIST. CONT.
			1	3		
			2	4		
			3	6	16	12
17.6'			4	8	17	13
18.6'		Wet gray clayey silt, w/some shells			18	13
			5	44		
			6	47	19	
				49		
29.0'		Wet light gray cement to w/some silty limestone	7	50		18

Boring terminated @ 29.0' as directed.

Water encountered @ 17.6'
Caved @ 18.6'
Water level after 24 hrs. 5.0'

Approved By: [signature]
Submitted By: [signature]

As a further protection to clients, the public and ourselves, all reports are copyrighted and any use of our name or any reproduction of drawings or reports in connection with any publication is prohibited except by written authorization from us. Results of tests and observations are reported for the exclusive use of our client and for the specific purpose indicated. No guarantee is implied that these same results would be obtained by others performing additional tests or by using other interpretations of the same tests. Full rights to litigation are reserved in connection with any unauthorized use.

WINGERTER LABORATORIES, INC.

Form 0813-1m

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service

Page 4 of 5
0-23578 6-11-81

No. 2 (2 pages)
REPORT OF SOIL BORING

1920 N.E. 149th Street
DOUGLAS "A", North Miami, Florida 33181

General Investments International, Inc. Attn Mr. Juan Martinez
457 Lincoln Road, Suite 6-S
Miami Beach, Florida 33139

CLIENT Miami Beach, Florida 33139
PROJECT Proposed Performing Arts
LOCATION 30' east of west boring and 25' north of south boring (as directed in field by client)
DRILLER N. Bailey
DRILL No. Portable

ORDER No. 16011.1(950)
LAB. NO. B-4438
HOLE No. 2
DATE STARTED 6-10-81
DATE COMPLETED 6-10-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	COMP. STR.	MOIST. CONT.
			1	5		
			2	6	8	9
2.0'		Moist brown silty sand w/some roots and fill	3	6		
4.0'		Moist grey medium fine silty sand w/some medium silt shells	1	2	8	8
5.0'		Wet brown to tan fine sand w/some soft limestone	2	11	7	14
			3	9		
6.0'		Wet gray clayey silt	4	3	4	15
				2	5	18
8.0'		Wet gray clayey silt	5	4	6	21
				1	7	7
10.0'		Wet gray clayey silt, traces of sandy silt	6	1	8	7
				1	9	8
12.0'		Wet gray clayey silt, w/some shells	7	2	10	10
				3	11	13
14.0'		Wet gray clayey silt, w/some shells		3	11	16
				3	12	11
16.0'		Wet gray clayey silt, w/some shells		4	14	11
				5	15	16

Water encountered @ 5.0'
Caved @ 5.0'
Water level after 24 hrs. 5.0'

Approved By: [signature]
Submitted By: [signature]

As a further protection to clients, the public and ourselves, all reports are copyrighted and any use of our name or any reproduction of drawings or reports in connection with any publication is prohibited except by written authorization from us. Results of tests and observations are reported for the exclusive use of our client and for the specific purpose indicated. No guarantee is implied that these same results would be obtained by others performing additional tests or by using other interpretations of the same tests. Full rights to litigation are reserved in connection with any unauthorized use.

WINGERTER LABORATORIES, INC.

Form 0813-1m

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service

Page 2 of 3
0-23577 6-11-81 BL

No. 1
REPORT OF SOIL BORING

1920 N.E. 149th Street
DOUGLAS "A", North Miami, Florida 33181

General Investments International, Inc., Attn Mr. Juan Martinez
457 Lincoln Road, Suite 6-S
Miami Beach, Florida 33139

CLIENT Miami Beach, Florida 33139
PROJECT Proposed Performing Arts
LOCATION 18" north of South approach and 15" east of west property line (as directed in field by client)
DRILLER N. Bailey
DRILL No. Portable

ORDER No. 16011.1(950)
LAB. NO. B-4437
HOLE No. 1
DATE STARTED 6-9-81
DATE COMPLETED 6-10-81

DEPTH	SYM.	DESCRIPTION OF MATERIALS	SAMPLE NO.	BLOWS PER FOOT	COMP. STR.	MOIST. CONT.
			1	9		
			2	10	16	16
			3	12		
17.0'			4	8	17	21
19.0'		Wet light gray soft limestone, w/some silty limerock, traces of fine shells		10	23	
			5	12		
			6	15	18	
29.0'		Wet light gray soft limestone, w/few silty limerock, traces of fine shells	7	17	20	

Boring terminated @ 29.0' as directed.

Water encountered @ 17.0'
Caved @ 19.0'
Water level after 24 hrs. 5.0'

Approved By: [signature]
Submitted By: [signature]

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WINGERTER LABORATORIES, INC.

Form 0813-1m

DATE: [illegible]

CITY OF MIAMI BEACH CODE ENFORCEMENT DIVISION
CODE INSPECTION SERVICES SECTION
1700 CONVENTION CENTER DRIVE
ATTENTION: BUILDING OFFICIAL

OWNERS AFFIDAVIT

I, [illegible] certify that I am the owner of property described as:

ADDRESS [illegible]

LEGAL DESCRIPTION Lot [illegible] Block [illegible]

Subdivision [illegible]

I authorize [illegible] as my agent to obtain a building permit for the following work.

[illegible]

OWNER

STATE OF FLORIDA

COUNTY OF DADE

Before me personally appeared [illegible] who by me being duly sworn upon oath says that the statements set forth above are true and correct. Subscribed and sworn to before me this [illegible] day of [illegible], 19[illegible].

[illegible]

NOTARY PUBLIC, STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES [illegible]

90429

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service Page 1 of 5

1820 N. E. 144th Street
Drawer L, North Miami, Florida 33161

RESULTS [ ] - [ ] TO: MAIL HOLDER ORDER NO. 10611-119550

CLIENT: Cooper Investments International, Inc.

PROJECT: Proposed Swimming Pool

LOCATION: 184 South Biscayne Drive, Hibiscus Island, Miami Beach, Florida

SAMPLING: Not given

IDENTITY: Not given

DATE: June 9 - 10, 1981

REPORTED TO: Cooper Investments International, Inc. - Attn: Mr. Juan Martinez
402 Lincoln Road, Suite 6-A
Miami Beach, Florida 33139

Gentlemen:

At the client's authorization, Wingerter Laboratories, Inc. has conducted soil borings at the above project location.

The field work was performed with the use of a standard drilling rig. Borings B-1 and B-2 were drilled to a depth of 20 feet each and a 2 foot long, 2 inch diameter split spoon sampler according to ASTM Designation D-1586 method. The sampler was advanced 2 feet at a time with successive blows of a 140 pound hammer dropping 30 inches and the number of blows was recorded for each 6 inch penetration. Rock core drilling, if required, was performed with the pneumatic rock barrel in ASTM Designation D-2113.

The boring logs are submitted herewith, which present only the factual information obtained at the subsurface.

Data interpretation, recommendations for the type of foundation and soil bearing capacity, as well as test analysis, etc., will be made, if requested.

Respectfully submitted,
WINGERTER LABORATORIES, INC.

R. A. Tinnin, P. E.

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Form 670-680

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service Page 2 of 5

1820 N.E. 144th Street
Drawer "L", North Miami, Florida 33161

Attn: [illegible] ORDER NO. 10611-119550
Cooper Investments International, Inc. - Attn: Mr. Juan Martinez
402 Lincoln Road, Suite 6-A
Miami Beach, Florida 33139

CONTACT: Miami Beach, Florida 33139 ORDER NO. 10611-119550

PROJECT: Proposed Swimming Pool LAB NO. 1890

LOCATION: 18' north of south property and 23' east of west HOLE NO. 1

ELEVATION: Top elevated at (+3.5) ft. (Feet) DATE STARTED 6-10-81

DRILLER - D. Perkins DRILL NO. Portable DATE COMPLETED 6-10-81

DEPTH	SAMPLE No.	DESCRIPTION OF MATERIALS	BLOWS 0-6"	BLOWS 6-12"	BLOWS 12-18"	BLOWS 18-24"
1.0'	1	Very brown silty sand w/some silt, traces of shell	8	6	8	9
2.0'	2	Medium gray, medium fine sand, w/some clayey silt, traces of organic matter	2	3	4	6
4.0'	3	Wet gray sandy silt, traces of shell	3	3	4	8
6.0'	4	Wet gray sandy silt, traces of shell	4	4	6	7
8.0'	5	Wet gray, clayey silt, traces of shells	5	4	5	6
10.0'	6	Wet gray, clayey silt, traces of shells	6	5	6	8
12.0'	7	Wet gray, clayey silt, traces of shells	7	9	10	9
14.0'	8	Wet gray, clayey silt, traces of shells	8	11	11	10
16.0'	9	Wet gray, clayey silt, traces of shells	9	10	11	11
18.0'	10	Wet gray, clayey silt, traces of shells	10	11	11	11
20.0'	11	Wet gray, clayey silt, traces of shells	11	11	11	11

WINGERTER LABORATORIES INC

By

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Form 670-680

CITY OF MIAMI BEACH, FLORIDA
BUILDING DEPARTMENT

APPLICANT'S NAME [illegible]

* ADDRESS [illegible]

PROCEDURES FOR ACCEPTING PERMIT APPLICATIONS

PRE-REQUISITES FOR ACCEPTANCE

- Notarized owner's letter of authorization
- Instructions to Owner/Builder form
- Application form completed and signed by owner/contractor (signature must be notarized)
- Copy of Contract
- Two sets of plans with complete construction details
- Signed Engineer's seal (Florida registered)
- Signed Architect's seal (Florida registered)
- Surveys
- Site Plans
- Soil test with qualifying statement by engineer
- Safety Barrier for Pools (form)
- Current copies of contractor's Certificate of Competency, Municipal Occupational License and State Registration Number

ITEMS APPROVED REQUIRED BY

- Metro Dade County Building Department
  140 West Flagler Street
  PHONE: 579-2600 - Miami
- County Health Department
  1350 N. W. 14th Street
  PHONE: 325-7500 - Miami
- Pollution Control (Environmental Protection Agency)
  900 S. E. 1st Avenue
  PHONE: 579-2760 - Miami
- Prudence Control
  300 S. E. 1st Avenue
  PHONE: 579-2610 - Miami
- South Shore Redevelopment Agency
  1130 Washington
  PHONE: 673-7200 - Miami Beach
- Recertification Required (10 year old apartment)
  Modesto de la Vega, P.E.
  Miami Beach City Hall, 4th Floor
  PHONE: 673-7627 - Miami Beach
- U. S. Army Corps of Engineers
  P.O. Drawer 09
  PHONE: 673-4620 - Miami Beach
- Others (specify)

Date [illegible] Inspector's Initials

PUBLIC WORKS DEPARTMENT Engineering Division

TO: CODE ENFORCEMENT DIVISION Construction Services

LEGAL DESCRIPTION: LOT: 27 BLOCK: 3 HIBISCUS ISLAND

LEGAL ADDRESS: 184 S. Hibiscus Drive

PLAN DESCRIPTION: SWIMMING POOL

THE ABOVE PLAN SUBMITTED TO THIS DIVISION MEETS THE FOLLOWING CONDITIONS:
TO BE EXISTING FACILITIES

GARBAGE FACILITIES:

SANITARY SEWER:

WATER: AS SHOWN-POOL WASTE WATER TO BE PIPED TO BAY.

DRAINAGE: DRAINAGE LINE TO DISCHARGE BELOW MEAN LOW WATER

GRADING: AS SHOWN

ENCUMBRANCES/EASEMENTS: NONE

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

COMMENTS: 10 045 = 235 5817
2FT 37.00
GMG Contracting
13,120.00 92 Ave.

APPROVED FOR PERMIT SUBJECT TO ABOVE CONDITIONS 7/10/81 FRANK ATKINSON
(date) ENGINEERING DIV.

Hiner Ref 3 of 3

Miami Beach Fire Department
Miami Beach FL

Dear Sir: This letter is to certify that
as an original owner of residence located
at the Hibiscus Island Residence. The swimming pool
for which the Miami Beach Fire Department
issued permit #90429 dated 7/10/81 was
installed prior to 1/1/82.

Thank you.

90429

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service Page 1 of 5

1820 N. E. 144th Street
Drawer L, North Miami, Florida 33161

REPORTS (1 - 2) OF: SOIL BORINGS ORDER NO. 16011.1(955)

CLIENT: Geomar Investments International, Inc.

PROJECT: Proposed Swimming Pool

LOCATION: 184 South Hibiscus Drive, Hibiscus Island, Miami Beach, Florida

ARCHITECT: Not given

ENGINEER: Not given

DATE: June 9 - 10, 1981

REPORTED TO: Geomar Investments International, Inc. - Attent Mr. Juan Martinez
407 Lincoln Road, Suite 6-A
Miami Beach, Florida 33139

Gentlemen:

At the client's authorization, Wingerter Laboratories, Inc. have conducted soil borings at the above project location.

The field work was performed with the use of a standard drilling rig. Disturbed samples were obtained from the subsoil strata using a 2 foot long, 2 inch diameter split spoon sampler according to ASTM Designation D-1586 method. The sampler was advanced 2 feet at a time with successive blows of a 140 pound hammer dropping 30 inches and the number of blows was recorded for each 6 inch penetration. Rock core drilling, if required, was performed with the procedures outlined in ASTM Designation D-2113.

The boring logs are submitted herewith, which present only the factual information obtained of the subsurface.

Data interpretation, recommendations for the type of foundation and soil bearing capacity, and settlement analysis, etc., will be made, if requested.

Respectfully submitted,
WINGERTER LABORATORIES, INC.

G. A. Pinney, P. E.

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS OR EXTRACTS FROM OR REFERENCE TO OUR REPORTS IS RESERVED PENDING OUR WRITTEN APPROVAL.
Form 655-680

WINGERTER LABORATORIES, INC.

Engineer's Laboratory and Inspection Service Page 2 of 5

No. 1 (2 pages) 1820 N.E. 144th Street D-23677 6-11-81
REPORT OF SOIL BORING DRAWER "L", North Miami, Florida 33161

CLIENT Geomar Investments International, Inc. Attn: Mr. Juan Martinez
407 Lincoln Road, Suite 6-A
Miami Beach, Florida 33139 ORDER No. 16011.1(955)

PROJECT Proposed Swimming Pool LAB. NO. 1402

LOCATION 18' north of south seawall and 15' east of west property line (as directed in field by client) HOLE No. 1

DATE STARTED 6-9-81

DRILLER D. Butler RIG No. Portable DATE COMPLETED 6-10-81

DEPTH	SAMP.	DESCRIPTION OF MATERIALS	PLATE	BLOWS PER 6 INCH	NAT. MOIST.	UNIT DRY WT.
1.0'		Dry brown silty sand w/some fill, traces of shell	1	4 6 8	1	4
2.0'		Moist gray, medium fine sand, w/some clayey silt, traces of organic matter	2	5 5 4	2	6
4.0'		Wet gray sandy silt, traces of shell	3	3 3 3	3	8
6.0'		Wet gray sandy silt, traces of shell	4	2 2 2	5	8
8.0'		Wet gray, clayey silt, traces of shells	5	2 1 1	6 8	7 6
10.0'		Wet gray, clayey silt, traces of shells	6	1 2 3	9 10	9 8
12.0'		Wet gray, clayey silt, traces of shells	7	2 1 1	12 12 13 14 15	22 21 22 20 22
15.0'						

HAMMER WEIGHT CASING ____ LBS. SPOON ____ LBS.
HAMMER DROP CASING ____ INS. SPOON ____ INS.
SAMPLER SIZE ____" I.D. ____" O.D. ____ TYPE ____
GROUND SITE ____" I.D. ____" O.D. ____ TYPE ____
WATER LEVEL ____ BELOW SURFACE AT ____ DATE ____

AS A MUTUAL PROTECTION TO ALL CONCERNED, THE ENGINEER IN THE OWNER'S BEHALF SHALL CHECK TOGETHER WITH THE SAMPLES SUBMITTED FOR BID TO THE PURCHASE OF PROPERTY, OR BEGINNING OF STRUCTURES.

WINGERTER LABORATORIES, INC.

By _____

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONC. OR EXTRACTS FROM OR REFERENCE TO OUR REPORTS IS RESERVED PENDING OUR WRITTEN APPROVAL.
Form 1362-181

Ref. Permit # 35587 APPLICANT'S NAME: Juan Martinez
ADDRESS 184 S. Hibiscus Dr.
Ph. 532-4744

PROCEDURES FOR ACCEPTING PERMIT APPLICATIONS

PRE-REQUISITES FOR ACCEPTANCE

- ____ Notarized owner's Letter of Authorization
- ____ Instructions to Owner/Builder Form
- ____ Application form completed and signed by Owner/Contractor (signature must be notarized)
- ____ Copy of Contract
- ____ Two sets of plans with complete construction details
- ____ Signed Engineer's seal (Florida registered)
- ____ Signed Architect's seal (Florida registered)
- ____ Surveys
- ____ Site Plans
- X Soil test with qualifying statement by engineer
- ____ Safety Barrier for Pools (form)
- ____ Current copies of contractor's Certificate of Competency, Municipal Occupational License and State Registration Number

PRIOR APPROVALS REQUIRED BY

- ____ Metro Dade County Building Department
  140 West Flager Street
  PHONE: 579-2500 - Miami
- ____ County Health Department
  1350 N. W. 14th Street
  PHONE: 325-2594 - Miami
- ____ Pollution Control (Environmental Protection Agency)
  909 S. E. 1st Avenue
  PHONE: 579-2760 - Miami
- ____ Products Control
  909 S. E. 1st Avenue
  PHONE: 579-2610 - Miami
- ____ South Shore Redevelopment Agency
  555 Alton Road
  PHONE: 673-7200 - Miami Beach
- ____ Recertification Required (40-year old structures)
  Modesto de la Vega, P.E.
  Miami Beach City Hall, 4th Floor
  PHONE: 673-7622 - Miami Beach
- ____ U. S. Army Corps of Engineers
  P.O. Drawer 59
  PHONE: 673-6504 - Miami Beach
- ____ Other (specify)
  Fax: 532-4744 Juan Martinez

DATE _____ Inspector's Initials

PUBLIC WORKS DEPARTMENT Engineering Division

TO: CODE ENFORCEMENT DIVISION Construction Services

LEGAL DESCRIPTION: LOT: 27 BLOCK: 3 HIBISCUS ISLAND

LEGAL ADDRESS: 184 S. Hibiscus Drive

PLAN DESCRIPTION: SWIMMING POOL

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

GARBAGE FACILITIES: TO USE EXISTING FACILITIES

SANITARY SEWER: " " " "

WATER: " " " "

DRAINAGE: AS SHOWN-POOL WASTE WATER TO BE PIPED TO BAY.
DRAINAGE LINE TO DISCHARGE BELOW MEAN LOW WATER

GRADES: AS SHOWN

ENCROACHMENTS: EASEMENTS: NONE

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

COMMENTS: 10 045 = 235 587
2 FT 37 110
Juan Martinez
GMB Contracting
1372 SW 92 Ave.

APPROVED FOR PERMIT SUBJECT TO ABOVE CORRECTIONS 7/16/81 (date) FRANK AYMONTH ENGINEERING DIV.

Miami July 3 1981

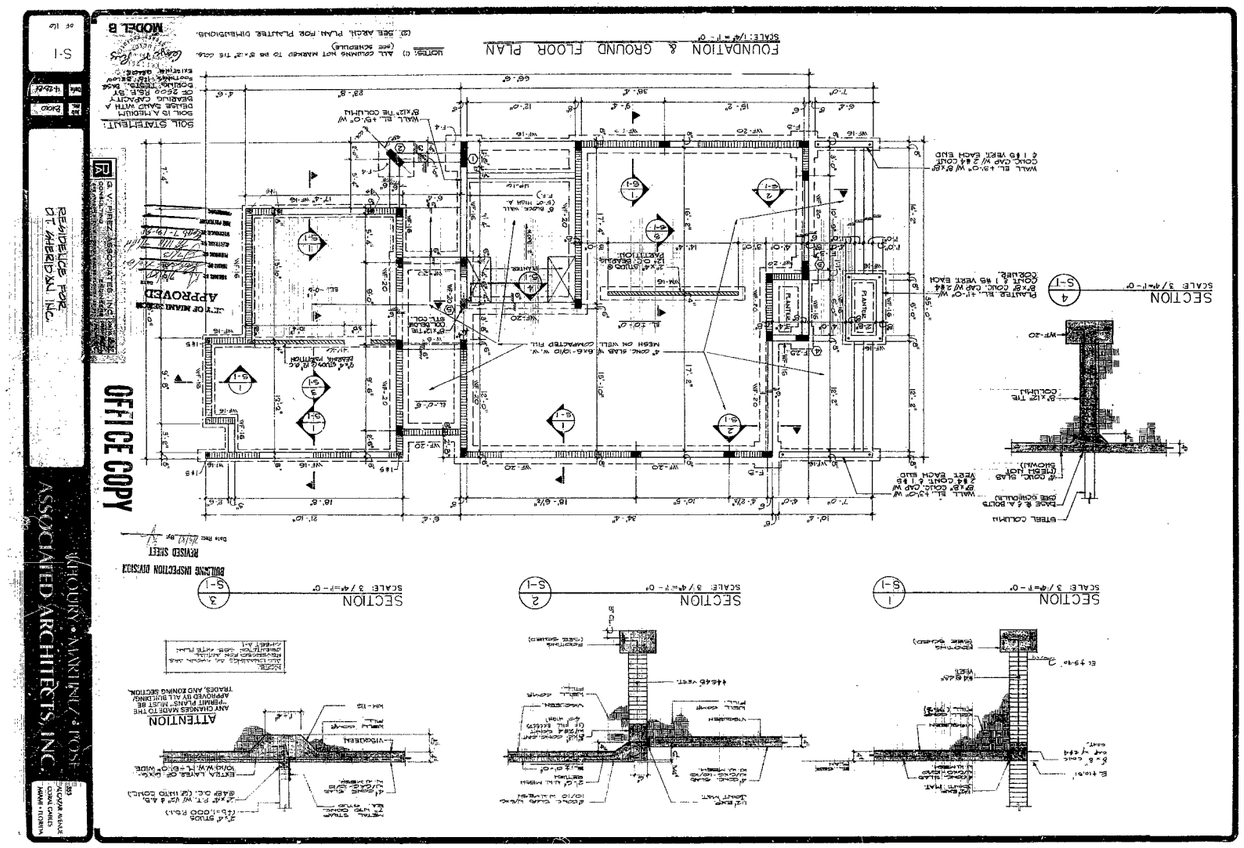
Miami Beach Bldg Depart.
Miami Beach Fl.

Dear Sir: This letter is to certify that in my opinion there is adequate bearing capacity at pool foundation elevation to support the pool at 184 Hibiscus Dr. Data have been taken from soil test performed by Wingerter Laboratories Inc. in connection with order (16011.1(955))

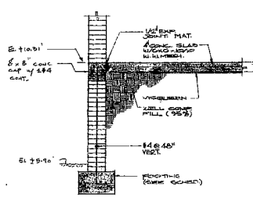
Thank you.

Sincerely
PE 11691

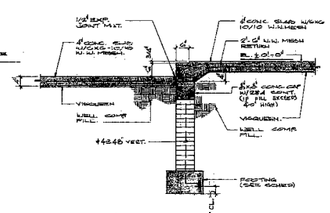
90429


FOUNDATION & GROUND FLOOR PLAN
SCALE: 1/4"=1'-0"
SECTION
SCALE: 3/4"=1'-0"
SECTION
SCALE: 3/4"=1'-0"
SECTION
SCALE: 3/4"=1'-0"
S-1
RESIDENCE FOR
ST. AMERICAN, INC.
OFFICE COPY
APPROVED
CITY OF MIAMI
BUILDING INSPECTION DIVISION
REVISED SHEET
ATTENTION
ASSOCIATED ARCHITECTS, INC
MODEL B

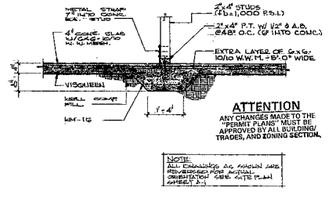
90429



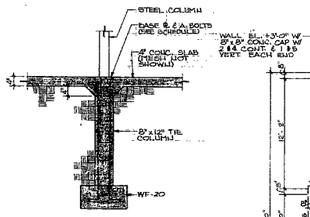
SECTION
SCALE: 3/4"=1'-0"
1
S-1



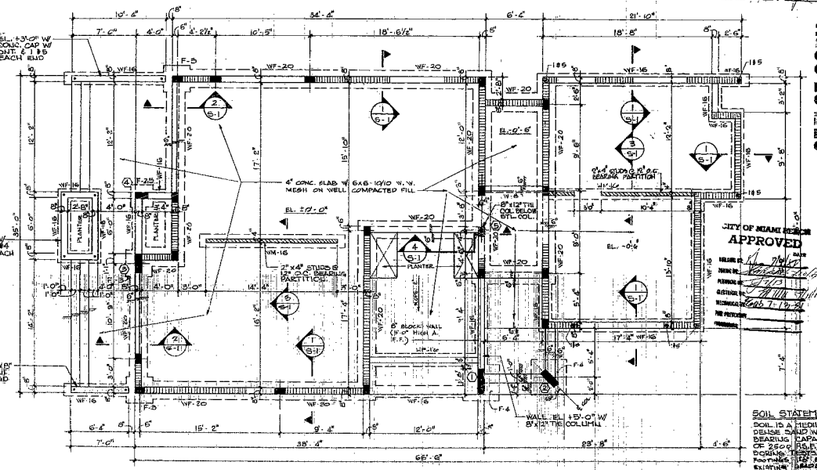
SECTION
SCALE: 3/4"=1'-0"
2
S-1



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



SECTION
SCALE 3/4"=1'-0"
4
S-1



FOUNDATION & GROUND FLOOR PLAN
SCALE: 1/4"=1'-0"

NOTES: (1) ALL COLUMNS NOT MARKED TO BE 8"x16" TIE COLS. (SEE SCHEDULE)
(2) SEE ARCH. PLAN FOR PLANTER DIMENSIONS.

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

NOTE:
ALL EXISTING AC UNITS ARE REMAINING FOR ANNUAL INSPECTION SEE SITE PLAN (SHEET A-1)

BUILDING INSPECTION DIVISION
REVISED SHEET
Date Rec'd 12/1/01 By

SOIL STATEMENT:
SOIL IS A MEDIUM DENSE SAND WITH A BEARING CAPACITY OF 2500 PSF BY DOUBLE TROPH. SIDE FOOTINGS TO BE BELOW ELEVATION SHOWN

CITY OF MIAMI BEACH
APPROVED
FOR PERMIT

OFFICE COPY

KHOURY • MARTINEZ • POST
ASSOCIATED ARCHITECTS, INC.
825 ALTON AVENUE
CORAL GABLES
MIAMI - FLORIDA

RESIDENCE FOR
DR. SHERIDAN INC.

2 Revised 11-15-01
S-1
of No

MODEL B

90429

GENERAL NOTES:

READY FOR PERMIT

BUILDING INSPECTOR SUPERVISOR

CITY OF MIAMI BEACH
APPROVED

BUILDING BY
ZONING BY
PLANNING BY
ELECTRICAL BY
WATER&SEW BY
FIRE PREVENTION
PUBLIC WORKS

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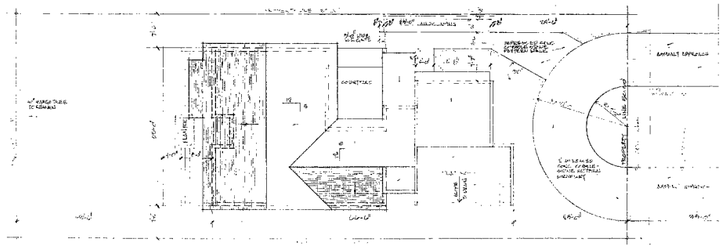
ATTENTION
ANY CHANGES MADE TO THE "PERMIT PLANS" MUST BE APPROVED BY ALL BUILDING/ TRADES, AND ZONING SECTION.



MODEL B

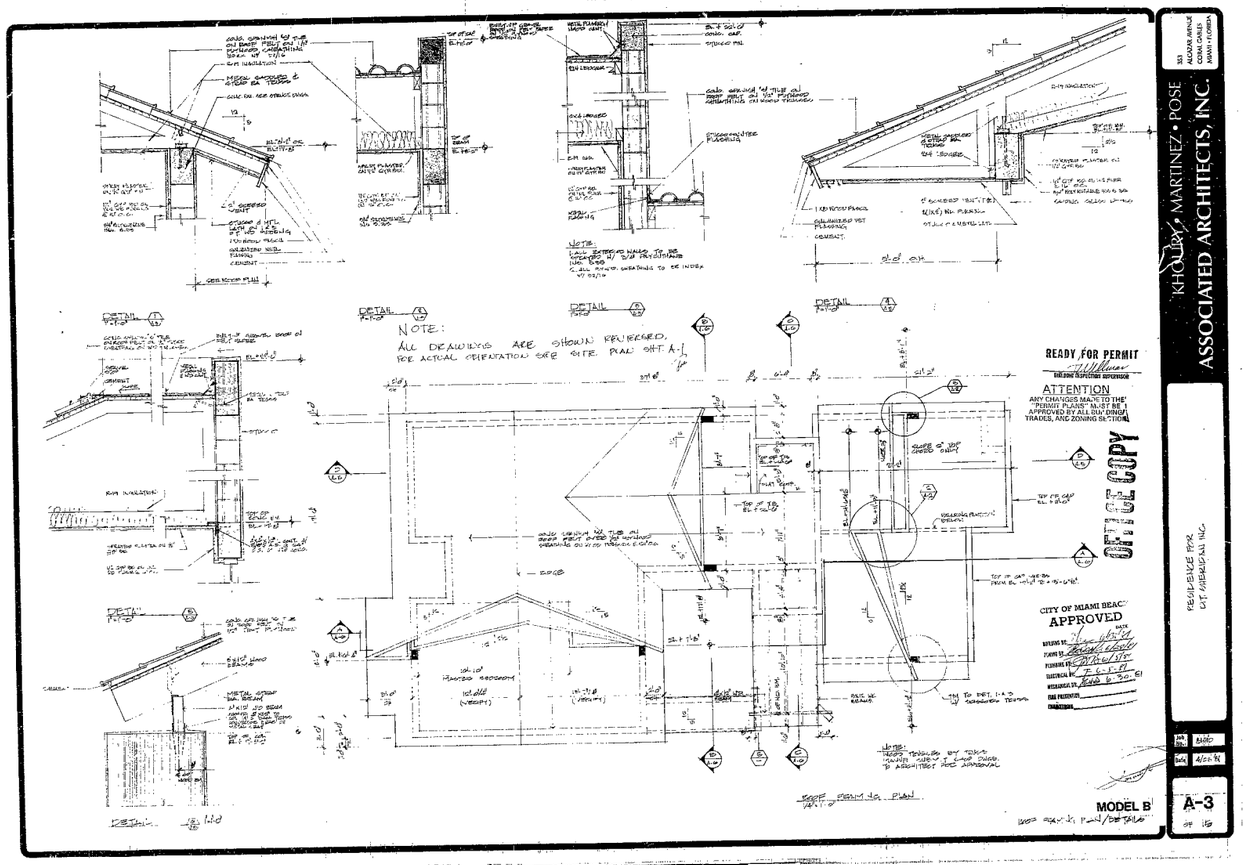
A-1

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALHAMBRA CIRCLE
CORAL GABLES
MIAMI • FLORIDA

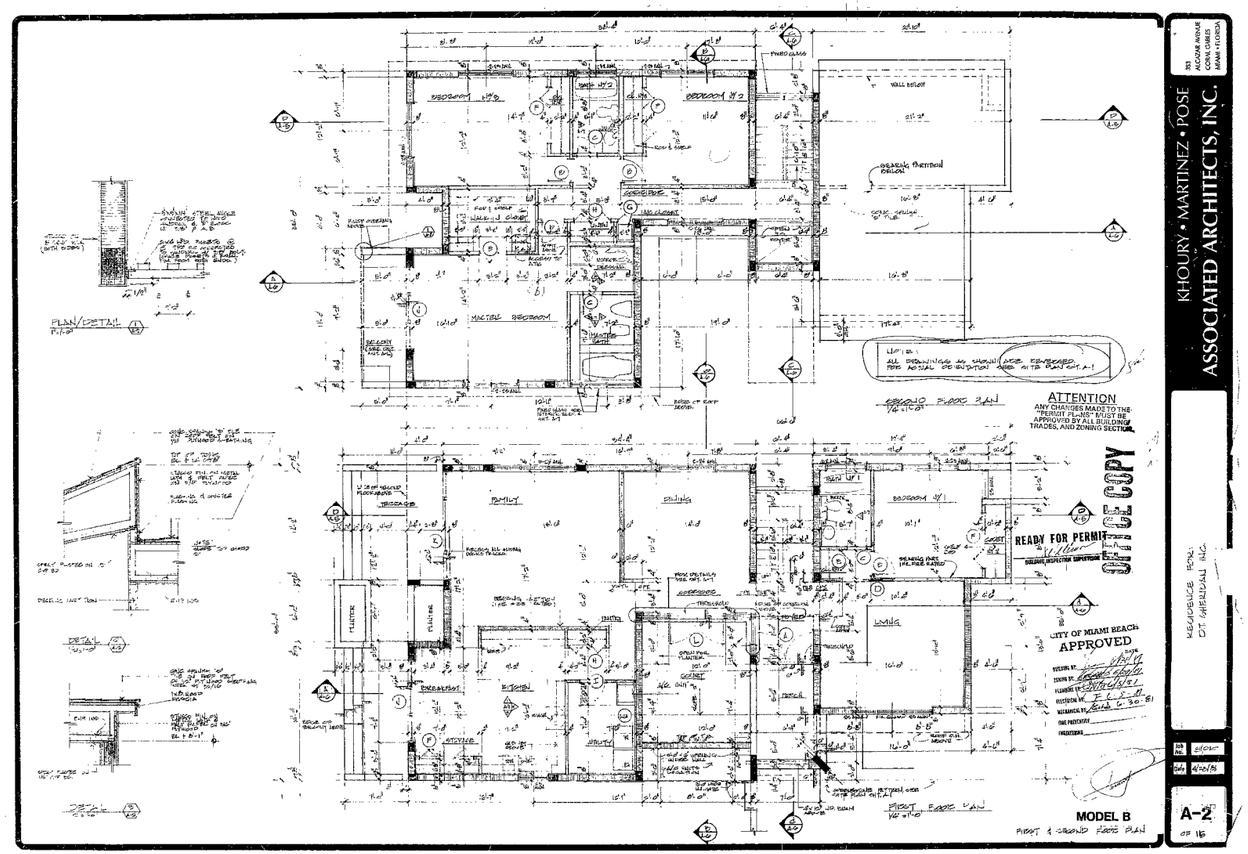
RESIDENCES FOR
DR. FABRICIO LEE INC

90430

90429


NOTE:
ALL DRAWINGS ARE SHOWN REVERSED.
FOR ACTUAL OPERATION SEE SITE PLAN SHT. A-1
READY FOR PERMIT
ATTENTION
ANY CHANGES MADE TO THE "PERMIT PLANS" MUST BE APPROVED BY ALL DIV. DINGS, TRADES, AND ZONING SECTIONS
CITY COPY
CITY OF MIAMI BEACH
APPROVED
MODEL B
A-3
KHOURY, MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
321 ALCAZAR AVENUE
CORAL GABLES
MIAMI - FLORIDA
RESIDENCE FOR
C.T. FIBERGLASS INC.

90429

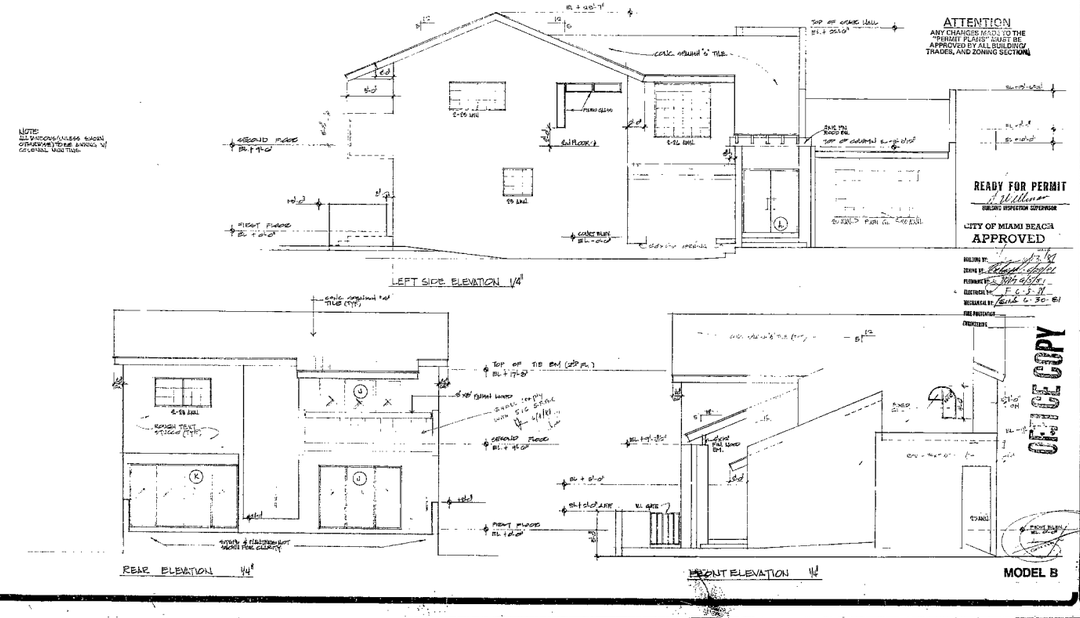

ATTENTION
ANY CHANGES MADE TO THE PERMIT PLANS MUST BE APPROVED BY ALL BUILDING TRADES, AND ZONING SECTION
READY FOR PERMIT
CITY OF MIAMI BEACH
APPROVED
MODEL B
FIRST & GROUND FLOOR PLAN
A-2
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
303 ALCAZAR AVENUE
CORAL GABLES
MIAMI FLORIDA
RESIDENCE FOR:
DT MARSHALL INC.

90429

GENERAL NOTES:
OFFICE COPY
ATTENTION
CITY OF MIAMI BEACH
APPROVED
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
RESIDENCE FOR
MODEL B
A-1

90429

NOTE:
ALL DRAWING AS SHOWN ARE REVERSED,
FOR ACTUAL ORIENTATION SEE SHT A-1



KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
321 ALHAMBRA CIRCLE
CORAL GABLES
MIAMI - FLORIDA

RESIDENCE FOR
ST AMBROGIO, LLC

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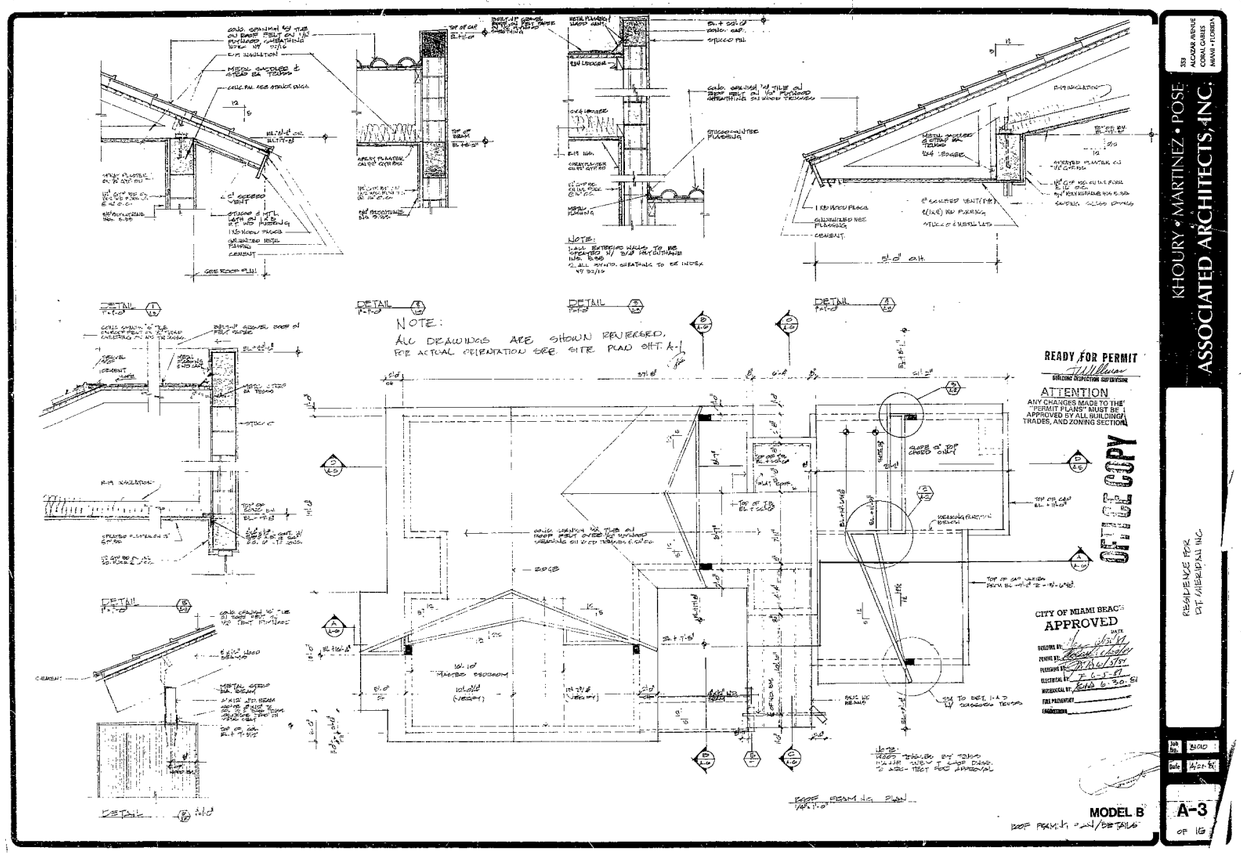
JOB NO. 8606
DATE 4-26-91
A-4
OF 11S

90429



KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
101 ALCAZAR AVENUE
CORAL GABLES
MIAMI • FLORIDA

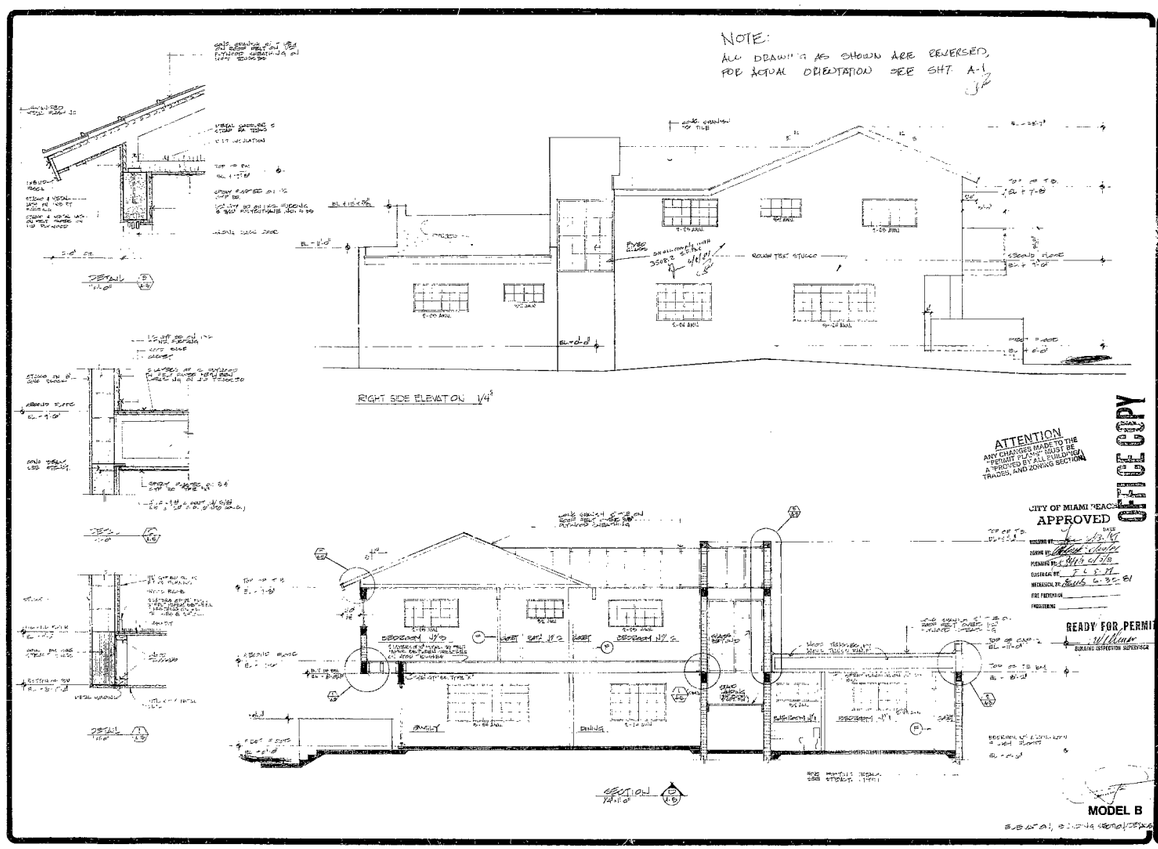
RESIDENCE FOR
CAT ISLAND INC.

Job No. 9400
Date 10/24/90

A-3
of 16

90429

NOTE:
ALL DRAWINGS AS SHOWN ARE REVERSED,
FOR ACTUAL ORIENTATION SEE SHT A-1



RIGHT SIDE ELEVATION 1/4"

ATTENTION
ANY CHANGES MADE TO THE
"APPROVED" PLANS MUST BE
APPROVED BY ALL DISCIPLINES,
TRADES, AND ADVISE SECTION

CITY OF MIAMI "EACH"
APPROVED

READY FOR PERMIT

MODEL B

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
331 ALCAZAR AVENUE
CORAL GABLES
MIAMI • FLORIDA 33134

REVISIONS
DATE
BY

REVISIBLE FOR
EXT. AIR CONDITIONING

No. 8605
Date 2/26/81

A-5
of 16

OFFICE COPY

90429

[illegible] (BUILT 5-30-77)

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]

1. GENERAL

a. Provisions for intruder and burglary security in new construction and in existing buildings and structures shall be as set forth herein and shall otherwise comply with the South Florida Building Code.

b. Doors, shutters, glass and glazing shall also comply with Chapters 31, 35 and 37 and other applicable sections of the South Fla. Building Code.

c. All exits, or doors leading to exits, subject to the provisions of this Charter, shall be secured as set forth herein provided all required exit doors shall be operable from the inside without the use of a key or any or [illegible] knowledge or effort and shall be operable from the interior while the building or area is occupied in order to permit egress of occupants in case of fire or other emergency.

2. PROTECTION

a. Burglar-resistant glass shall comply with the General Services Administration (G.S.A.) Federal Specifications DD-G-451c 1966 and Amendment No. 3 1971 for polished plate glass.

b. Tests of burglar-resistant glazing materials shall comply with the Underwriter's Laboratories Standard for Safety of Burglar-Resistant Glazing Material, UL972-1972.

c. Bullet and flame-like materials used, shall comply with the American National Standards Institute (ANSI) Standard for Testwork Safety Glazing Material used in Buildings, Z97.1-1972.

d. Aluminum windows shall comply with the Architectural Aluminum Manufacturers Assn. (AAMA) Standard for Aluminum Windows (Voluntary Performance Requirements and Test Procedures, AAMA 1301.2-1972), Standard for Aluminum Prime Windows (AAMA 1302.5-1972), and the American National Standard Specifications (ANSI) Standard for Aluminum Windows, ANSI A134.1-1972.

e. Sliding glass doors shall comply with the Architectural Aluminum Manufacturer's Assn.(AAMA) Standard for Aluminum Sliding Glass Doors, AAMA 1303.5-1972, and the American National Standard Specifications (ANSI) Standard for Aluminum Sliding Glass Doors, ANSI A134.2-1972.

3. DETAILS (Description)

3.1 DOORS:

a. Exterior: Not doors, if operable from the exterior, shall have at least one hook that is key-operable from the exterior.

b. Doors in exterior doors shall have a minimum of 6000 possible key changes or locking combinations.

c. Where a key-double-end-lock latch-bolt is specified, there shall be an auxiliary dead bolt type lock providing complying with the definitions set forth herein.

d. Dead bolts shall be minimum 6" complete inserts.

e. All-metal surfaces to equally resist illegal entry, such as, but not limited to, combination doors as defined in Paragraph F-08 (b) of Metro Code, may be substituted subject to approval by the building official who there in accordance with the resistance Standards set forth in Article 2.

f. Locks on doors, where such locks are required to be intrusion and burglar-resistant, shall be capable of resisting a force of 300 pounds applied in any operable direction and otherwise in accordance with the resistance standards set forth in Article 2.

3.2 DOORS (2-3-2003.1 ANSI)

a. Exterior:

1. The single leaf of pairs of swinging doors on the exterior shall have locks as required. The single swinging doors or as provided with a multiple-point locks with 1" inch stainless steel throwbolts with inserts and a cylinder lock.

b. The inactive leaf of pairs of swinging doors on the exterior shall be provided with [illegible] locks with 5/8 inch minimum throw bolts with inserts.

3.3 GLASS DOORS

a. Sliding glass doors in exterior walls and accessible from the outside shall be provided with sliding door dead bolts, or bolt or pin set removable or operable from the exterior, at the jamb, head, sill or at the meeting stiles.

b. Dust covers shall be restricted to the strike and lock area to maintain their resistance where necessary to meet the requirements set forth herein.

c. Dust doors shall have no screws removable from the outside which, if removed, would facilitate ready entry, nor shall any door leaf when closed and locked be operable from the outside.

3.4 [illegible]

a. Sliding doors and accessibleglass doors in exterior walls shall be provided with multiple-point locks, or be locked at rest than one point with dead bolts, or bolts with inserts, equivalent to at least two cylinder points a minimum of 5/8 of an inch.

b. Safety locking devices or such doors shall not be required where the doors are controlled [illegible] by electric power.

[illegible] and ventilation doors, where preventive intrusion and burglary deterrent, shall [illegible] force of 150 pounds applied in an operable direction when the window opening is protected by other intrusion security devices as set forth herein, or by approved equivalent security devices.

c. Exterior shutters for emergency egress shall comply with Paragraph 3117.3(6) of the South Florida Building Code.

4. HARDWARE

a. Hinges, with pins plus exposed to the outside, of all exterior doors, openable windows, transoms, sky-lights and access scuttles shall have non-removable pins, or shall or of the interlocking-stud type and such hinges shall have non-exposed screws.

b. Locks of all exterior offset-type in-swinging doors shall be reinforced, or of similar fabrication, to prevent defeating the purpose of the strike and the integrity of locks and latches.

c. Exterior doors for areas requiring security shall be designed and constructed as set forth in Section 5 herein.

d. Sliding glass doors and hardware shall comply with Section 2A.

e. Sliding glass doors and horizontally sliding windows shall be constructed and installed so that no panel can be lifted from the tracks when in locked position and provided with locks as set forth in Sections 3-2, 3-2b and 3-3 herein. Such doors and windows shall also comply with the resistance standards set forth in 2b and 2d herein.

f. Twin in overhead-type garage doors are not recommended and, where installed, shall not exceed eight inches in their dimension and shall not be located closer than 12 inches from the inside lock restricting device.

g. Metal grate and grille-type doors providing intrusion and burglary security shall be so designed and installed that the doors cannot be removed from the tracks when in locked position.

h. Doors with louvers, as defined herein, shall not be installed in the exterior walls of [illegible] requiring security unless the louvered area is protected as provided in Section 5-2d [illegible], or by an approved equivalent security device.

i. All windows shall be constructed so that where [illegible] clear or locked they can not be removed from the frames from outside unless the window opening is protected as provided in Section 5-2b herein, or by an approved equivalent security device. Windows so protected shall comply with Paragraph 3117.3(4) of the South Florida Building Code.

j. Windows with louvers, as defined herein, shall not be installed in exterior openings within eight feet of grade, adjacent structures, fire escapes, or balcony walkways unless the window opening is protected as provided in Section 5-2d herein, or by an approved equivalent security device. Windows so protected shall comply with Paragraph 3117.3(4) of the South Florida Building Code.

5. INTERIOR DOORS

5.1 DOORS

a. Hollow core doors, where of solid-core, flush construction, shall be not less than one and three-quarters eighths inches in thickness.

b. Such solid cores may be of particle wood, but materials of less than 25 pounds per cubic foot shall not be acceptable.

c. Swinging doors of stile, rail and panel construction shall have rails and stiles not less than one and three-quarters inches in thickness and panels not less than three-quarters inch thick with retaining tongues or ribbons not less than three-eighths inch in least dimension.

d. Swinging doors of stile, rail and glazed construction shall have rails and stiles not less than one and three-quarters inches in thickness and shall be glazed as follows:

(a) Glazing in doors to the exterior, except as provided in Paragraph 5-d herein, shall not be permitted within 40 inches of inside latching and locking devices unless protected as provide in Section 5-2b herein, or by an approved equivalent security device.

(b) Glass permitted in exterior doors, glazing shall comply with the resistance Standards set forth in Section 2c of this Chapter.

e. Overhead-type wood garage doors shall comply with Subparagraph 310.4(6)(3)(d) of the South Fla. Building Code and shall be not less than one and three-eighths inches in thickness except, where of panel construction, panel panels shall be not less than 3/8 inch thick, 2-6 grade, exterior plywood, and the panels shall be set in grooves not less than 5/8 inch deep, or the equivalent as otherwise approved, provided that such panels [illegible] of suitable latching and locking devices are located on the inside with steel panels, not less than 24 ga., backing to retain a load not less than would cause failure of the wood panel panels.

5.2 FRAMES

a. Overhead-type fabricated, wood, steel-framed sliding glass doors shall comply with Section 4A of this Charter and Subsection 310.4 of the South Florida Building Code.

b. Overhead-type sliding glass doors shall comply with Subparagraph 310.4(6)(3)(d) and Paragraph 310.4(6) and (5) of the South Florida Building Code.

5.3 DOOR CONSTRUCTION

a. Overhead doors constructed of materials other than wood or glass, except as specified in Paragraph 5 herein, shall be acceptable provided the equivalent strength:

(1) Section 3 of the [illegible] steel leaves, as required in Section 2306 of the South Fla. Building Code, and meeting all other applicable provisions of said Code.

(2) In lieu of [illegible] rolled sheet volume used, members set forth in Paragraph 5 herein.

5.4 DOOR TYPE HARDWARE

a. Doors of exterior [illegible] shall be [illegible] such manner as to [illegible].

b. Dutch [illegible] shall be not less than 24 Gage.

c. Minimum deflection of panels in door, horizontal position shall be 1/360 of the span.

d. Materials not meeting the requirements specified herein may be used in the design and construction of doors protected and may be limited to the area five or more feet above the lower sill.

e. Mullions and extended glass-rider sheets shall prevent door sections from being removed from the [illegible] when subjected to [illegible] failure of the section.

f. Glazed panels shall not be permitted within 40 inches of the inside locking and locking devices.

6. COMPANY ATTACHMENTS

6.1 GROUPS A, B, C, & D OCCUPANCIES

a. Open parking lots not except therein shall be illuminated as set forth in Section 6-33 herein.

b. Parking areas and other non-enclosed areas under or within building shall be illuminated as set forth in Section 6-33 herein.

c. Other provisions of this Charter shall not apply to buildings of Groups A, B, C and D Occupancies.

6.2 GROUP E OCCUPANCY

a. Parking devices shall comply with Subsection 310.6 of the South Florida Building Code.

b. Open parking lots not except therein shall be illuminated as set forth in Section 6-33 herein.

c. Parking areas and other non-enclosed areas under or within building shall be illuminated as set forth in Section 6-33 herein.

d. The provisions of this Chapter shall not otherwise apply to building of Group E Occupancy.

6.3 GROUPS F, G AND H OCCUPANCIES

a. Buildings of Groups F, G, and H Occupancies shall be provided with intrusion and burglar- security devices as set forth in Sections 3 through 5, inclusive herein and as follows:

b. Single, swinging, exterior doors shall be secured by single cast bolts with minimum throw of one inch, or by panic hardware except that center-divided door leaves may have a minimum throw of three-quarters of an inch.

c. Swinging entrance doors to individual suites of offices opening onto a public corridor shall comply with Section 5 herein and shall be secured by single cast bolts with one inch minimum throw except that center-divided door leaves may have minimum throw of three-quarters of an inch.

d. Swinging exterior doors, shall be provided with a substantial skeleton of one face-candle of light on the parking surface from dusk until 30 minutes after the termination of business each operating day.

e. Service and non-enclosed areas under or within buildings at grade shall be provided with a minimum skeleton of one face-candle of light on the parking and walking surfaces from dusk until 30 minutes after the termination of business each operating day.

f. Sash, sidelites, side windows and transoms not wholly from the street, where within eight feet of the walking surface or otherwise accessible, shall be glazed with burglar-resistant material or protected as provided in Section 5-2b herein, or by an approved equivalent security device. Where such windows and transoms are [illegible] they shall be secured as set forth in Section 5-2 herein.

g. Metal bars and gratings, where provided on protect openings in exterior walls, shall be fabricated of not less than [illegible] inch diameter or one by one-quarter inch flat steel bars spaced not more than six inches apart or a grille of not more than one inch mesh of 1/8 inch diameter steel.

Bars and grilles shall be securely fastened and, where located outside, the fasteners shall be non-removable with common tools.

Penetration materials providing comparable protection will be acceptable in lieu of plain metal bars and grilles.

Bars protection shall comply also with Paragraph 3117.3(6) of the South Florida Building Code.

h. Roof skylights shall be glazed with burglar-resistant material, or be protected as set forth in Section 5-2b herein.

Bars and grilles shall not interfere with skylights intended by Fusible Links.

i. Access scuttles on roofs shall be capable of withstanding the force set forth in Section 60-3(a) of Chapter 8C of the Metropolitan Dade County Code for burglar-resistant material.

Access scuttles on roofs shall be secured from the inside by slide bars or slide bolts.

j. Air ducts, air vent and other openings in roofs and in exterior walls within eight feet of a walking surface, where such openings exceed eight inches in least dimension, shall be provided with bars or grilles complying with Section 6-2g herein.

k. The area immediately outside of exterior doors shall have security illumination protected by [illegible] glassed globes and such illumination shall be activated during the dark period of every day.

6.4 GROUP I OCCUPANCY

a. Building of Group I Occupancy shall be provided with intrusion and burglary security devices as set forth in Sections 3 through 5 inclusive and as follows:

b. Exterior doors, doors connecting garages areas with buildings and exterior doors from enclosed vestibules shall be as set forth in Section 5 herein and shall be provided with dead latches and minimum 1 inch throw, single dead bolts with one inch minimum throw, or panic hardware where such hardware is required.

c. Swinging entrance doors to individual units shall comply with Section 5 herein and shall be secured as set forth in Section 5 herein, or by combination dead latch and dead bolt sets with latch throw a minimum of 1 inch and bolts having a one inch minimum throw.

d. At least one main entrance door shall be provided with a door scope or vision panels complying with Section 5-3 herein.

e. Door parking lots and access thereto shall be provided with a substantial skeleton of one foot-candle of light on the parking surface from dusk until dawn.

f. Parking and non-enclosed areas under, over, or within buildings shall be provided with substantial skeleton of one foot-candle of light on the parking and walking surfaces from dusk until dawn.

6.5 GROUP J OCCUPANCY

a. Buildings of Group J Occupancy shall be provided with intrusion and burglary security devices as set forth in Section 5 herein and as follows:

b. Swinging exterior doors and doors connecting garage areas with living areas shall comply with Section 5 herein and shall be secured with a latch and single dead bolt with one inch minimum throw, or a combination dead latch and dead bolt-set provided in Section 5-4d & AB herein.

c. Front main entrance doors shall be provided with a door scope or vision panels complying with Section 5-3 herein.

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

CITY OF MIAMI BEACH
APPROVED
[illegible]
[illegible]
[illegible]
[illegible]

OFFICE COPY

90429

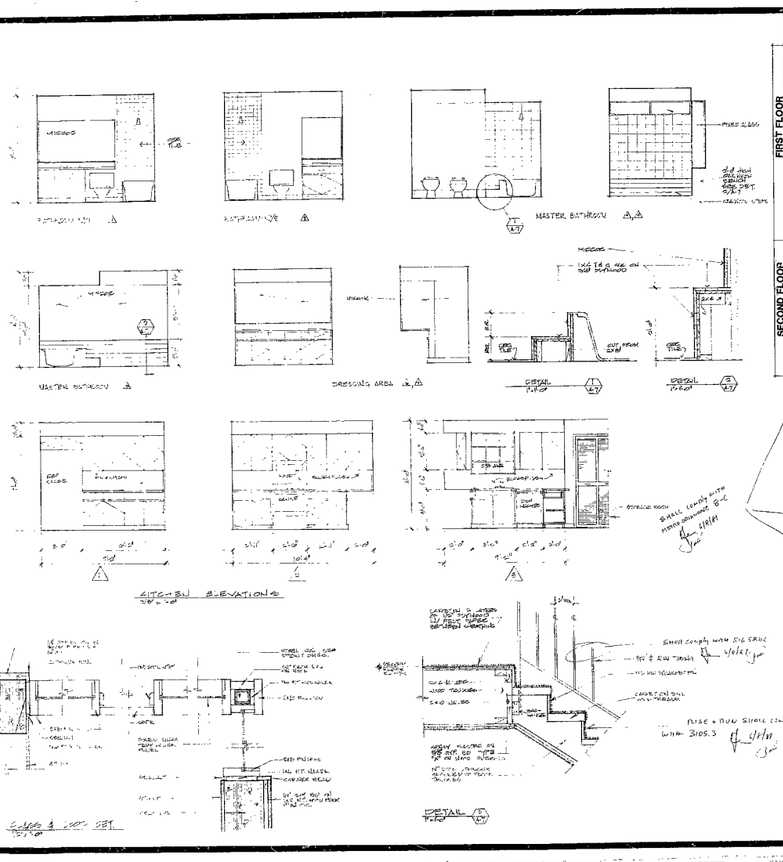
ASSOCIATED ARCHITECTS, INC.
KHOURY • ANDRETTI

RESUBMITTED FOR CITY APPROVAL INC.

DATE 4-18-80

A-8
of 16

MODEL A& B



ROOM FINISH SCHEDULE

	ROOM	FLOOR	BASE	WALLS	CLG	REMARKS
FIRST FLOOR	PORCH	TILE	WOOD	STUCCO	BEAMS W/ PAINTED	
	FOYER	TILE	WOOD	PAINT	PAINTED	
	LIVING	CARPET	WOOD	PAINT	PAINTED	
	CLOSET/STAIRS	CARPET	WOOD	PAINT	PAINTED	
	REFRIGERATOR	CARPET	WOOD	PAINT	PAINTED	
	BATH #1	CERAMIC	CERAMIC	PAINT/CERAMIC	PAINTED	* SEE ELEVATION
	CLOSET	CARPET	WOOD	PAINT	PAINTED	
	HALL	CARPET	WOOD	PAINT	PAINTED	
	FAMILY	TILE	WOOD	PAINT	PAINTED	
	PANTRY	TILE	WOOD	PAINT	PAINTED	
	A/C CLOSET	TILE	WOOD	PAINT	PAINTED	
	UTILITY	TILE	WOOD	PAINT	PAINTED	
	KITCHEN	TILE	WOOD	PAINT	PAINTED	
	BREAKFAST	TILE	WOOD	PAINT	PAINTED	
	GARAGE	TILE	WOOD	PAINT	PAINTED	
	TERRACE	CONCRETE	CONCRETE	STUCCO	PAINTED	
	PATIO	SEE *		STUCCO		ADDITIONAL
SECOND FLOOR	CORRIDOR	CARPET	WOOD	PAINT	PAINTED	
	BEDROOM #2	CARPET	WOOD	PAINT	PAINTED	
	BATH #2	CERAMIC	CERAMIC	PAINT/CERAMIC		* SEE ELEVATION
	CLOSET	CARPET	WOOD	PAINT	PAINTED	
	BEDROOM #3	CARPET	WOOD	PAINT	PAINTED	
	LINEN	CARPET	WOOD	PAINT	PAINTED	
	MASTER BEDROOM	CARPET	WOOD	PAINT	PAINTED	
	DRESSING	CARPET	WOOD	PAINT	PAINTED	
	MASTER BATH	CERAMIC	CERAMIC	PAINT/CERAMIC	PAINTED	* SEE ELEVATION
	LINEN CLOSET	CARPET	WOOD	PAINT	PAINTED	
	BALCONY	CERAMIC				* SEE STRUCTURAL
	A/C CLOSET	VINYL	WOOD	PAINT	PAINTED	

DOOR SCHEDULE

SYMBOL	TYPE	DIMENSION	MATERIAL	FINISH	REMARKS
A	MEDIA DOOR PANEL	3'0" x 7'0" x 1 3/4"	WOOD	PAINT	HOLLOW CORE
B	"	2'6" x 6'8" x 1 3/8"	WOOD	PAINT	"
C	"	2'-0" x 6'8" x 1 3/8"	WOOD	PAINT	HOLLOW CORE
D	"	2'-6" x 6'8" x 1 3/8"	WOOD	PAINT	HOLLOW CORE
E	BIFOLD LOUVERED	4'0" x 6'8" x 1 3/8"	WOOD	PAINT	
F	"	2'-0" x 6'8" x 1 3/8"	WOOD	PAINT	
G	"	2'-6" x 6'8" x 1 3/8"	WOOD	PAINT	
H	"	3'-0" x 6'8" x 1 3/8"	WOOD	PAINT	
I	SLIDING DOOR PANEL	5'-0" x 6'8" x 1 3/8"	WOOD	PAINT	
J	SWING DOOR	3'-0" x 6'8" x 1 3/4"	WOOD	PAINT	
K	"	2'-6" x 6'8" x 1 3/4"	WOOD	PAINT	
L	FRENCH DOORS	5'-0" x 6'8" x 1 3/8"	WOOD	PAINT	

ATTENTION
ANY CHANGES MADE TO THESE PERMIT PLANS MUST BE APPROVED BY ALL BUILDING TRADES AND ZONING ENTITIES

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READY FOR PERMIT

CITY OF MIAMI BEACH
APPROVED
STRUCTURAL
ZONING
PLANNING
ELECTRICAL
MECHANICAL
FIRE PROTECTION
ENGINEERING

MODEL A & B
KITCHEN & BATHROOM ELEVATIONS
DOOR & WINDOW SCHEDULE, DETAILS

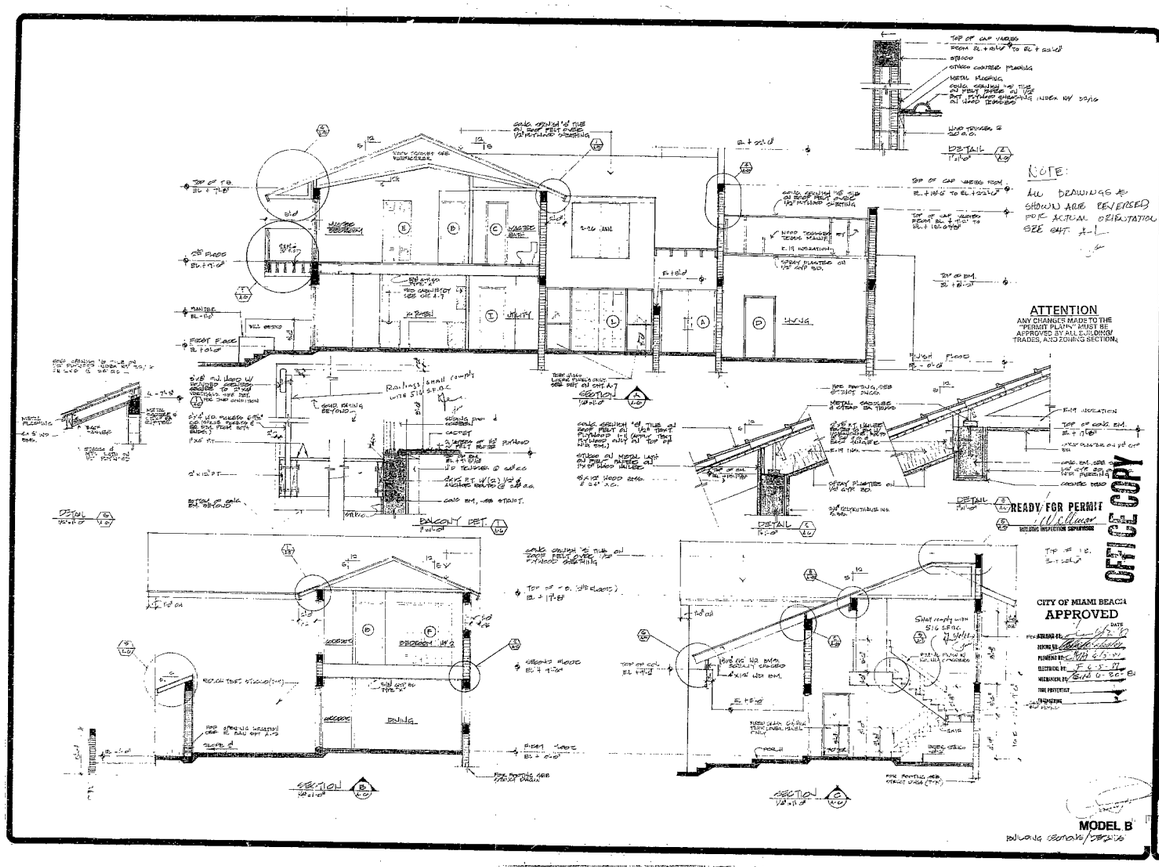
RESIDENCE FOR
ST. MARGARITA INC.

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
323 WASHINGTON AVENUE
COCONUT GROVE, FLORIDA
MIAMI • FT. LAUDERDALE

DATE 8-6-90
SCALE 1/4"=1'-0"

A-7

90429



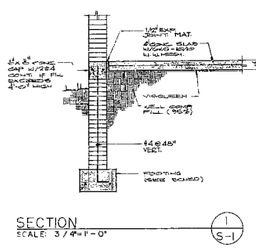
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
MIAMI • FLORIDA

REVISIONS FOR
DT AMERICAN INC

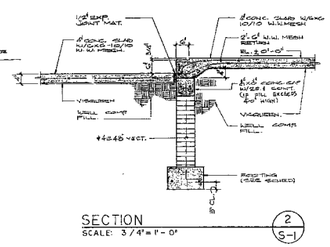
NO.	DATE
	11-25-04

A-6
OF 16

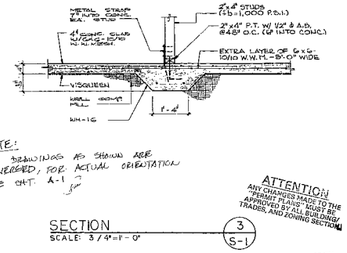
90429



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



SECTION
SCALE: 3/4"=1'-0"
2 S-1

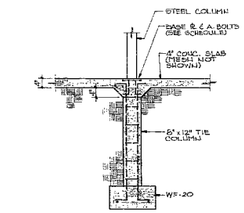


NOTE:
ALL DRAWINGS AS SHOWN ARE REVERSED, FOR ACTUAL ORIENTATION SEE SHT. A-1

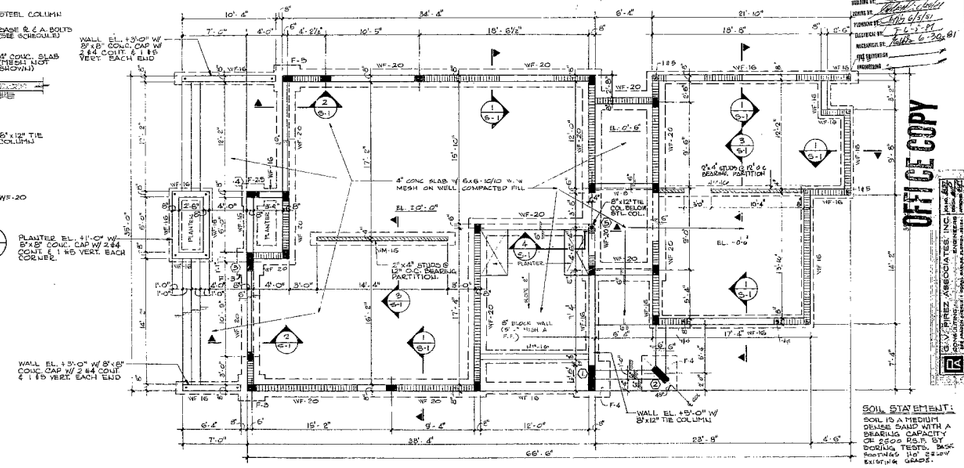
SECTION
SCALE: 3/4"=1'-0"
3 S-1

ATTENTION
ANY CHANGES MADE TO THE PERMIT PLANS SUBSEQUENT TO BEING APPROVED BY ALL BUILDING, TRADES, AND ZONING SECTIONS

CITY OF MIAMI BEACH
APPROVED



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



FOUNDATION & GROUND FLOOR PLAN
SCALE: 1/4"=1'-0"

NOTES: (1) ALL COLUMNS NOT MARKED TO BE 8"x12" TIE COLS. (SEE SCHEDULE)
(2) SEE ARCH. PLAN FOR PLANTER DIMENSIONS.

SOIL STATEMENT:
SOIL IS A MEDIUM DENSE SAND WITH A BEARING CAPACITY OF 2500 PSF BY BORING TESTS. BASE FOOTINGS TO BE 24" BELOW EXISTING GRADE.

OFFICE COPY

MODEL B

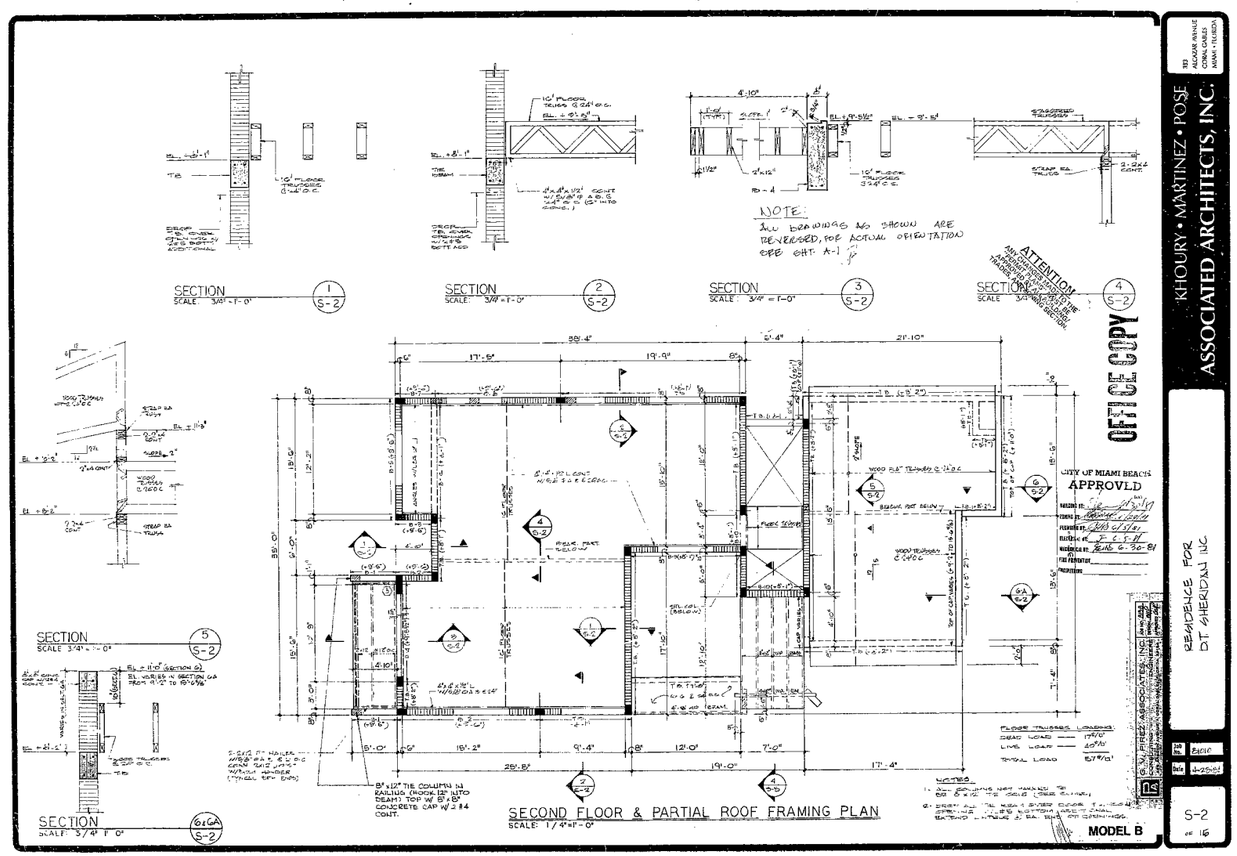
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
DADE COUNTY

REVISIONS PER
DT. AMENDMENT

No. 8406
Date 4-22-81

S-1
of 10

90429



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KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
MIAMI • FLORIDA

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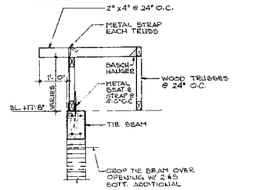
REVISIONS FOR
DT SHERIDAN INC

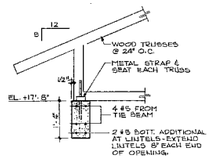
DATE 8-25-97
DWN

S-2
OF 16



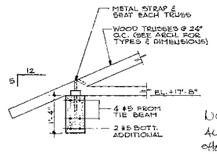
SECTION
SCALE: 3/4"=1'-0"

1 S-3



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

2 S-3

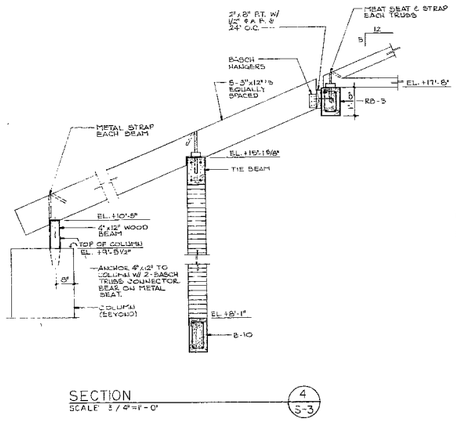


SECTION
SCALE: 3/4"=1'-0"

3 S-3

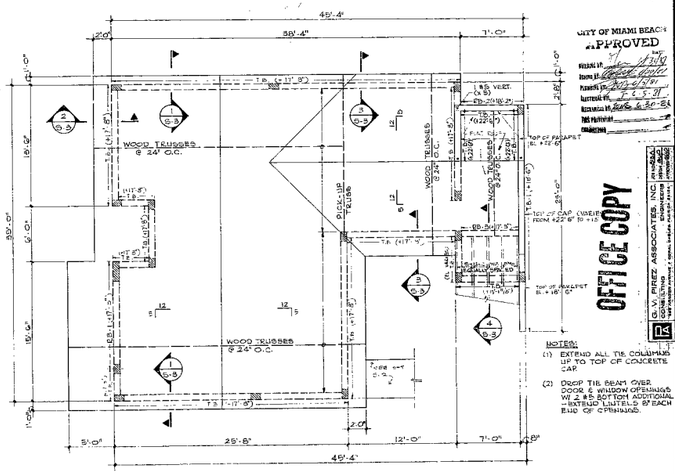
NOTE:
ALL DRAWINGS AS SHOWN ARE REVERSED FOR ACTUAL ORIENTATION SEE SHT. A-1

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



SECTION
SCALE: 1/2"=1'-0"

4 S-3



HIGH ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

NOTES:
(1) EXTEND ALL TIE COLUMNS UP TO TOP OF CONCRETE CAP.
(2) DROP TIE BEAM OVER DOOR & WINDOW OPENINGS W/ 2 #5 BOTTOM ADDITIONAL - EXTEND LINTELS 8" EACH END OF OPENING.

CITY OF MIAMI BEACH
APPROVED
FOR CONSTRUCTION
HISTORIC BD.
PLANNING BD.
BUILDING DEPT.
FIRE DEPARTMENT
PUBLIC WORKS

OFFICE COPY

G.V. PEREZ ASSOCIATES, INC.
CONSTRUCTION MANAGEMENT

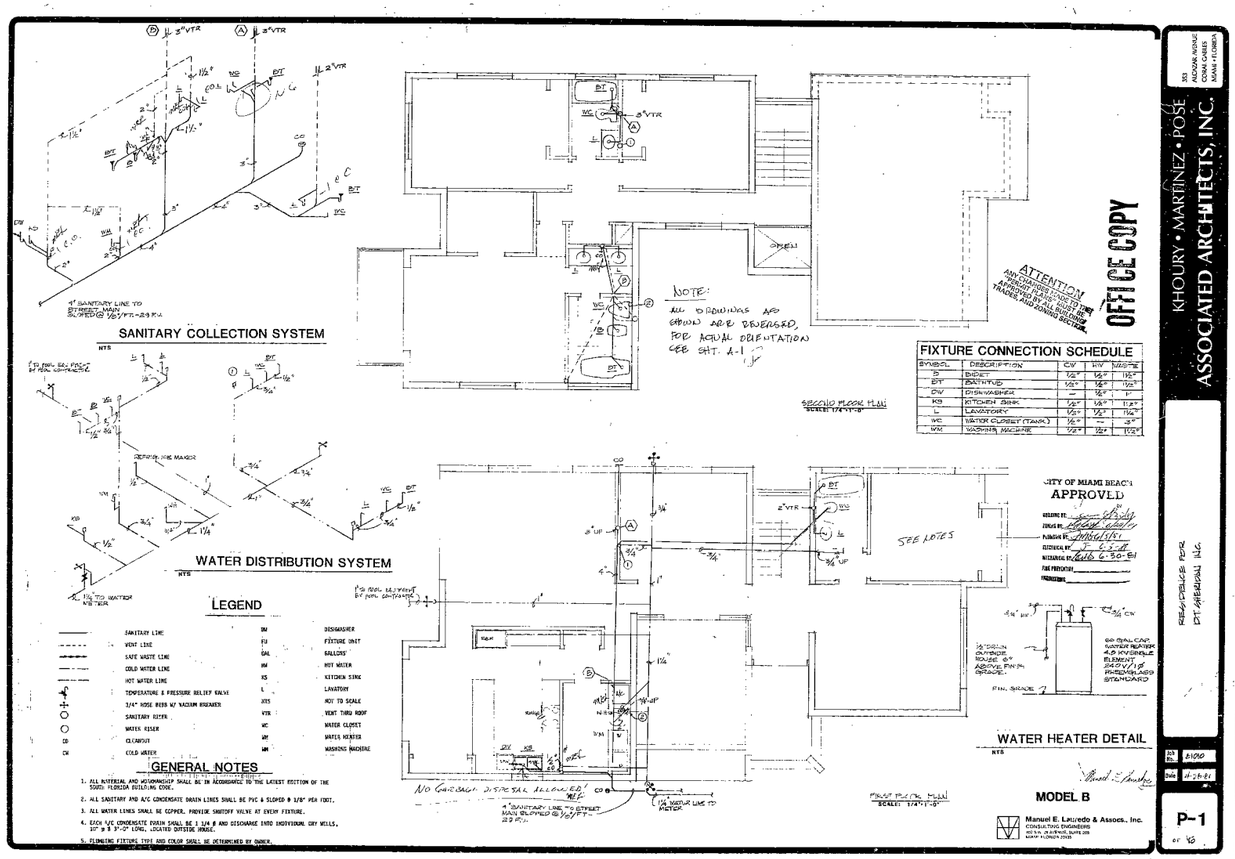
KHOURY & VINETZ + POSE
ASSOCIATED ARCHITECTS, INC.
333 ALHAMBRA CIRCLE CORAL GABLES MIAMI • FLORIDA

RESIDENCE FOR
DT SHERIDAN INC

JOB NO.	8410
DWG.	4-28-84
	S-3
	of 16

MODEL B

90429


SANITARY COLLECTION SYSTEM
WATER DISTRIBUTION SYSTEM
LEGEND
GENERAL NOTES
1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE LATEST EDITION OF THE SOUTH FLORIDA BUILDING CODE.
2. ALL SANITARY AND A/C CONDENSATE DRAIN LINES SHALL BE PVC @ SLOPED @ 1/8" PER FOOT.
3. ALL WATER LINES SHALL BE COPPER. PROVIDE SHUTOFF VALVE AT EVERY FIXTURE.
4. EACH A/C CONDENSATE DRAIN SHALL BE 1 1/4 ø AND DISCHARGE INTO INDIVIDUAL DRY WELLS, 10" ø X 3'-0" LONG, LOCATED OUTSIDE HOUSE.
5. PLUMBING FIXTURE TYPE AND COLOR SHALL BE DETERMINED BY OWNER.
SANITARY LINE
VENT LINE
CAST WASTE LINE
COLD WATER LINE
HOT WATER LINE
TEMPERATURE & PRESSURE RELIEF VALVE
3/4" HOSE BIBB W/ VACUUM BREAKER
SANITARY RISER
WATER RISER
CLEANOUT
COLD WATER
DW DISHWASHER
FU FIXTURE UNIT
GAL GALLONS
HW HOT WATER
KS KITCHEN SINK
L LAVATORY
HTS HOT TO SCALE
VTR VENT THRU ROOF
WC WATER CLOSET
WH WATER HEATER
WM WASHING MACHINE
NOTE:
ALL DRAWINGS ARE GROUND AREA DRAWINGS, FOR ACTUAL DEFINITION SEE SHT. A-1
SECOND FLOOR PLAN
FIRST FLOOR PLAN
FIXTURE CONNECTION SCHEDULE
SYMBOL | DESCRIPTION | CW | HW | WASTE
D | BIDET | 1/2" | 1/2" | 1 1/2"
BT | BATHTUB | 1/2" | 1/2" | 1 1/2"
DW | DISHWASHER | - | 1/2" | 1"
K9 | KITCHEN SINK | 1/2" | 1/2" | 1 1/2"
L | LAVATORY | 1/2" | 1/2" | 1 1/4"
WC | WATER CLOSET (TANK) | 1/2" | - | 3"
WM | WASHING MACHINE | 1/2" | 1/2" | 1 1/2"
ATTENTION
ANY CHANGES MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND CONSENT OF THE ARCHITECTS WILL RELIEVE THE ARCHITECTS OF RESPONSIBILITY FOR ALL CONSEQUENCES ARISING THEREFROM
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED
WATER HEATER DETAIL
MODEL B
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
331 ALCAZAR AVENUE
CORAL GABLES
DADE • FLORIDA
Manuel E. Lauredo & Assocs., Inc.
CONSULTING ENGINEERS
REVISIONS PER DT. ARBITRATION 11/6/90
JOB NO. 8900
DATE 11-29-89
P-1
OF 15

90429

AC UNIT SCHEDULE

CONDENSING UNIT MARK	CU-1	CU-2
TONNAGE CAPACITY, BTUH	36750	24700
TOTAL CAPACITY, BTUH	41500	34050
COMPRESSOR, QUANTITY/VOLT EA.	13.8	7.4
CONDENSER FAN, QUANTITY FLA EA.	.75 EA	.75
VOLTAGE / PHASE	220/1	220/1
SYSTEM SELECTION MODEL	RAEA 031	RAEA 037
FAN COIL UNIT MARK	FC-1	FC-1
SUPPLY AIR, CFM	1530	1100
EXTERNAL STATIC, INCHES, WG	.3	.3
ELECTRIC HEATER, KW/MIN.	10.0	10.0
OUTDOOR AIR, CFM	—	—
VOLTAGE/PHASE	220/1	220/1
MOTOR, HP	1/3	1/3
DESIGN SELECTION MODEL	REHS 18	REHB 18
SYSTEM KER	10.0	10.0
AREA SERVED	BAÑOS	ALTOS

GENERAL NOTES

1. EQUIPMENT SHALL HAVE CAPACITIES REQUIRED TO OBTAIN A SUITABLE OPERATING BALANCE BETWEEN ASSOCIATED ITEMS OF EQUIPMENT. ALL DAMPER & CONTROLS SHALL BE ADJUSTED TO OBTAIN THE REQUIRED CAPACITIES UNDER ACTUAL OPERATING CONDITIONS OF EACH SYSTEM AS INSTALLED. OPERATING POWER REQUIREMENTS FOR EACH ITEM OF EQUIPMENT SHALL NOT EXCEED THE RATED NAMEPLATE HORSEPOWER. BALANCED CAPACITIES BE EQUAL TO THOSE SCHEDULED AT DESIGN CONDITIONS.

2. COOLING SYSTEMS ARE DESIGNED FOR 78F D.B. INSIDE CONDITIONS WITH OUTSIDE AIR TEMPERATURE OF 91F D.B., 78F W.B. HEATING IS DESIGNED TO MAINTAIN MINIMUM INSIDE TEMPERATURE OF 72F D.B. WITH AN OUTSIDE TEMPERATURE OF 45F D.B.

3. AIR DISTRIBUTION DEVICES SHALL BE CONSTRUCTED OF ALUMINUM, AS MANUFACTURED BY TITUS. CEILING DIFFUSERS TO BE TITUS SERIES 300-FS AND SUPPLY AIR REGISTERS TO BE TITUS MODEL 272-FL3.

4. CONSTRUCT AIR CONDITIONING DUCTWORK FROM GALVANIZED SHEET METAL ROUND DUCT, FABRICATE, SEAL AND INSTALLED AS PER LATEST SMACNA LOW VELOCITY DUCT MANUAL RECOMMENDATIONS. INSULATE WITH ONE INCH 1-1/2 POUND DENSITY FIBERGLASS INSULATION WITH FACTORY VAPOR BARRIER. VAPOR SEAL ALL LAPS, SEAMS, JOINTS AND TEARS. SIZES NOTED ARE CLEAR INSIDE DIMENSIONS. PROVIDE AIR EXTRACTORS, SPLITTER DAMPERS OR ADJUSTABLE TURNING VANES AT ALL BRANCH DUCT TAKE-OFFS AS REQUIRED FOR PROPER AIR BALANCING.

5. AIR COOLED CONDENSING UNITS TO BE AS SCHEDULED, OR APPROVED EQUAL. PROVIDE EACH UNIT WITH ANTI-CYCLING DEVICE OR TIMER, HIGH AND LOW PRESSURE CONTROLLERS, AND FILTER DRIER.

6. FAN COIL UNITS TO BE AS SCHEDULED, OR APPROVED EQUAL. COORDINATE WITH ELECTRICIAN TO CORRECT MULTI-SPEED FAN MOTOR TO PROPER SPEED TAPS TO DELIVER SCHEDULED AIR QUANTITIES, AGAINST SYSTEM RESISTANCE AS INSTALLED, DURING THE COOLING MODE; AND TO DELIVER MINIMUM SUPPLY AIR CFM, AS RECOMMENDED BY UNIT MANUFACTURER, DURING THE HEATING MODE.

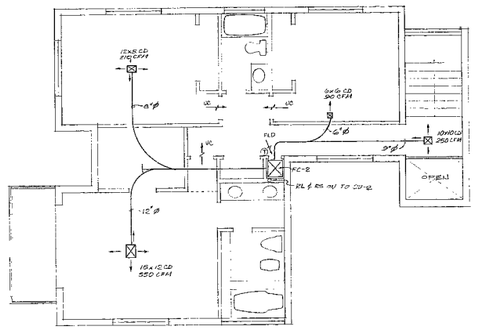
7. INSULATE REFRIGERANT SUCTION PIPE WITH 3/4 INCH THICK ARMAFLEX.

8. COORDINATE ALL WORK WITH OTHER TRADES INVOLVED, THIS INCLUDES WALL AND ROOF PENETRATIONS AND REQUIRED ELECTRICAL SERVICE AND CONTROL WIRING. PLUMBER IS TO PROVIDE A MINIMUM 3/4 INCH CONDENSATE TRAP SEAL, AT EACH FAN COIL UNIT, PIPE TO DRAIN TO AN APPROVED LOCATION.

9. THERMOSTAT SHALL HAVE A MINIMUM HEATING MODE TEMPERATURE SETTING OF 70°F. IT SHALL BE ADJUSTABLE TO PROVIDE A TEMPERATURE RANGE OF UP TO 10F BETWEEN FULL HEATING AND FULL COOLING. HEATING AND COOLING TO BE NON-CONCURRENT.

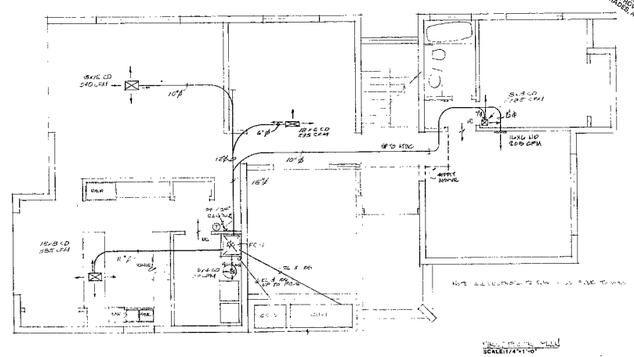
LEGEND

- CEILING DIFFUSER-ARROWS INDICATE AIR FLOW PATTERN
- T — THERMOSTAT
- CD — CEILING DIFFUSER
- FLD — FULL LOUVER DOOR
- RL — REFRIGERANT LIQUID LINE
- RS — REFRIGERANT SUCTION LINE
- UC — 3/4 UNDERCUT DOOR
- SR — SUPPLY REGISTER



ELECTRIC PLAN MALL
SCALE: 1/4"=1'-0"

NOTE:
ALL DRAWINGS AS SHOWN ARE RENDERED; FOR AERIAL ORIENTATION SEE SHT A-1 yr



ELECTRIC PLAN MALL
SCALE: 1/4"=1'-0"

ATTENTION
ANY CONSTRUCTION TO COMPLY WITH ALL APPLICABLE BUILDING CODES, TRADITIONAL AND ZONING SECTION.

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CITY OF MIAMI BEACH
APPROVED

BUILDING BY: [illegible] DATE: 4/8/91
ZONING BY: [illegible]
PLUMBING BY: [illegible]
ELECTRICAL BY: [illegible]
MECHANICAL BY: [illegible]
FIRE PREVENTION: [illegible]
PUBLIC WORKS: [illegible]

MODEL B

Manuel E. Lauredo & Assocs., Inc.
CONSULTING ENGINEERS
801 N.W. 67th AVENUE, SUITE 200
MIAMI, FLORIDA 33126

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
MIAMI • FLORIDA

REVISIONS FOR
CITY OF MIAMI BEACH, FLA.

NO. 1 DATE 2/1/91
NO. 2 DATE 4-18-91

A/C-1
of 16

90429

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING	REMARKS
WF-1	8'	10"	#5 @ 8" BOTT CONT	CONT FTG.
WF-2	6'0"	10"	#5 @ 8" BOTT CONT	CONT FTG.
WF-3	10'	10"	#5 @ 8" BOTT CONT	BOX WORK WITH SLAB
F-1	5'-0"x5'-0"	12"	4-#5 BOTT BARS	
F-2	4'-0"x4'-0"	10"	4-#5 BOTT BARS	

COLUMN SCHEDULE

MARK	SIZE	VERT. REINF.	TIES	REMARKS
①	8"x36"	6-#8	#3 @ 8" O.C.	
②	8"x24"	6-#8	#3 @ 8" O.C.	
③	8"x12"	4-#8	#3 @ 8" O.C.	
④	8"x12"	4-#8	#3 @ 8" O.C.	
⑤	SEE SECTION ON SHT. S-3	12-#7 EQUALLY SPACED	4" BAND W/ 4-#4 BARS	FILLED W/ CONC. f'c = 4.0 KSI
⑥	8"x8"	4-#8	#3 @ 8" O.C.	TIE COL.

BEAM SCHEDULE

MARK	ELEV.	SIZE (IN.)	REINFORCING B	T	C	E	№ 3 STIRRUP U.O.N. TYP.	SPACING EACH END	REMARKS
RB-1	+17'-0"	8x18	2-#5	2-#5	—	—	3	@ 8" O.C.	
RB-2	+18'-2"	8x24	2-#5	2-#5	—	—	1	@ 12" O.C.	
RB-3	+17'-6"	8x24	2-#5	2-#5	—	—	1	@ 6" O.C.	
TB	SEE PLAN	8x12	2-#5	2-#5	—	—	—	—	TIE BEAM
B-1	+10'-0"	8x18	2-#5	2-#6	—	—	3	@ 6" THROUGHOUT	
B-2	+18'-0"	8x18	2-#5	∞	—	—	1	—	
B-3	+18'-0"	8x18	2-#5	2-#5	—	—	1	@ 6" O.C.	
B-4	+17'-10"	8x18	2-#5	2-#5	—	—	—	—	
B-5	+18'-6"	8x18	2-#5	2-#5	—	—	—	DOUBLED BARS @ 3" O.C.	
B-6	+18'-11"	8x18	2-#5	2-#5	—	—	—	@ 3" O.C.	
B-7	+18'-0"	8	2-#5	2-#5	—	—	—	@ 7" THROUGHOUT	
B-8	+18'-0"	8x18	2-#5	∞	—	—	—	—	
B-9	+18'-11"	8x18	2-#7	2-#5	—	—	1	@ 6" O.C.	
B-10	+18'-1"	8x18	2-#5	2-#5	—	—	1	@ 12" THROUGHOUT	

STRUCTURAL NOTES

CONCRETE:
- GENERAL
- DESIGN AS PER A.C.I. 318-63
- MINIMUM 28 DAY ULTIMATE STRENGTH
- MAXIMUM SIZE OF AGGREGATE
- MAXIMUM PERMISSIBLE SLUMP
- ADMIXTURES
- CEMENT

REINFORCING STEEL:
- BARS - SHALL CONFORM TO A.S.T.M. A-615 GRADE
- DETAILING AND FABRICATION ACCORDING TO
- MIN. CONCRETE PROTECTION
- 90 BAR DIAM. IN BEAMS, 20 BAR DIAM. IN COLS.
- MIN. LAP
- MIN. CLEAR DISTANCE
- CLEAR COVER FOR REINFORCING BARS, MIN.
  - BEAMS AND COLUMNS
  - SLABS
  - FORMED SURFACES
  - UNFORMED SURFACES

PRECAST PRE-STRESSED CONCRETE:
- CARRIER
- ADD. SAFETY LOAD
- SHOP DRAWINGS

SLABS ON GRADE:
- GENERAL
- REINFORCING
- CONTROL JOINTS

FOUNDATIONS:
- GENERAL
- FOOTINGS

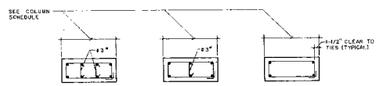
STRUCTURAL STEEL:
- GENERAL
- BOLTS
- WELDING

BLOCK MASONRY:
- GENERAL
- STRENGTH AT 28 DAYS

GROUTING:
- GENERAL
- GROUT MIX

DETAILS:
- GENERAL
- ALL BEARING PLATES, ANGLES, ETC. SHALL BE SET TO LINE AND GRADE BEFORE CONCRETE IS POURED.
- ALL SLEEVES, INSERTS, ETC. SHALL BE SET IN PLACE BEFORE CONCRETE IS POURED.
- OPENINGS
- ADD. REINFORCING AROUND OPENINGS
  - SLABS
  - BEAMS
  - WALLS

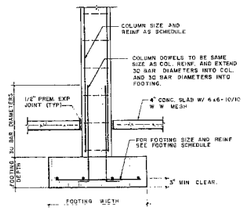
ABBREVIATIONS:
- ALL SHALL BE STANDARD AS PER ARCHITECTURAL PLANS.
- ALL OTHERS SHALL BE AS PER A.C.I. 315-58.



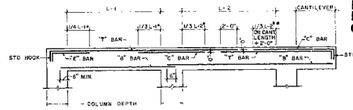
8 BARS 6 BARS 4 BARS

COLUMN TYPES
NOT TO SCALE

* SPACING SAME AS COLUMN TIES



TYPICAL COLUMN & FOOTING DETAIL
NOT TO SCALE



BEAM STEEL PLACING DIAGRAM
NOT TO SCALE

* WHICHEVER IS LONGER.
** WHICHEVER IS LONGER IN TWO CONSECUTIVE SPANS

STIRRUP NOTE: PLACE FIRST STIRRUP 2" FROM FACE OF COLUMN. SEE BEAM SCHEDULE FOR SPACING EACH END.

ATTENTION
ANY ADDITIONS OR REVISIONS TO THESE PLANS MUST BE APPROVED BY ALL PLANS EXAMINERS AND BUILDING OFFICIAL

OFFICE COPY

CITY OF MIAMI BEACH
APPROVED
BUILDING BY: [illegible]
ZONING BY: [illegible]
PLUMBING BY: [illegible]
ELECTRICAL BY: [illegible]
MECHANICAL BY: [illegible]
FIRE PROTECTION: [illegible]
OTHER: [illegible]

MODEL B

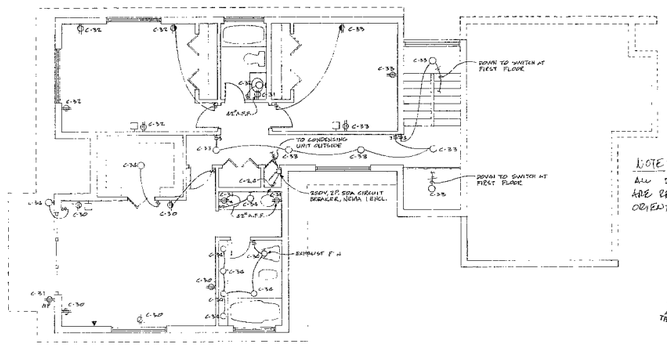
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
751 ALHAMBRA CIRCLE CORAL GABLES FLORIDA

G. V. PEREZ ASSOCIATES, INC. (AAA 3.04) CONSULTING ENGINEERS 2 BISCAYNE BLVD. MIAMI, FLA.

REVISIONS FOR DT AMERICAN INC.

JOB NO. 5101C
DATE 4-25-51
S-1
OF 16

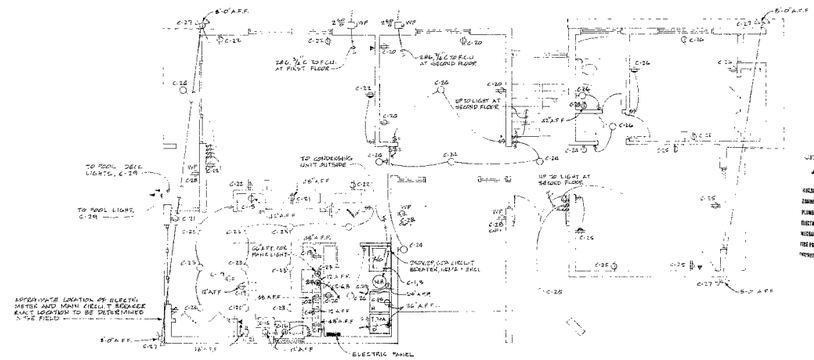
90429



SECOND FLOOR ELECTRICAL PLAN

NOTE:
ALL DRAWINGS AS SHOWN ARE REVERSED, FOR ACTUAL ORIENTATION SEE SHT. A-1

ATTENTION!
ANY DEVIATIONS FROM THESE PLANS SHALL BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. ALL SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, TRUSSES, AND ZONING SECTIONS.



FIRST FLOOR ELECTRICAL PLAN

CITY OF MIAMI REACTIVATION
APPROVED
BUILDING BY
ZONING BY
PLUMBING BY 4/28/81
ELECTRICAL BY K.L.D.C.
MECHANICAL BY 4-30-81
FIRE PREVENTION
CONTROLLING

OFFICE COPY

MODEL A & B

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
383 ALCAZAR AVENUE CORAL GABLES MIAMI • FLORIDA

READVERTISE FOR CITY APPROVAL INC.

DATE 8/20/81
DATE 4-28-81

E-1
SHT 16

90429

MANUFACT: SQUARE 'D'
VOLTAGE: 120/240 VOLTS
SERVICE: 1Ø, 3W
MOUNTING: SURFACE

ELECTRIC PANEL

MAIN BUS: 225 AMPS
NEUTRAL BUS: 225 AMPS
MAINS: LUGS ONLY
LOCATION: BOTTOM

CKT. NO.	LOAD SERVED	POLES AMPS	WIRE	CONDUIT SIZE	CONN. V.A.	SYM. V.A.	GND. SIZE	WIRE	BKR. AMPS	"LOAD" SERVED	CKT. NO.
1	A/C & HEAT - 1ST FLOOR	2-60	#2	1½"	11,520	8200	½"	#6	3-50	A/C COND. - 1ST FLOOR	2
3											4
5	DRYER	2-30	#10	½"	5760	5200	¾"	#6	2-60	RANGE	6
7											8
9	WATER HEATER	2-40	#8	¾"	6,000	5700	¾"	#10	2-30	POOL PUMP	10
11											12
13	A/C - 2ND	1-30	#10	½"	1440	1200	¾"	#10	1-30	DISHWASHER	14
15	REFRIGERATOR	1-20	#12	½"	720	1000	¾"	#12	1-20	DISPOSAL	16
17	COMPACTOR	1-20	#12	½"	1080	1500	¾"	#12	1-20	DISHWASHER	18
19	SMALL APPLIANCE	1-20	#12	½"	1500	1080	¾"	#12	1-20	SMALL APPLIANCE	20
21	SMALL APPLIANCE	1-20	#12	½"	1500	1500	¾"	#12	1-20	SMALL APPLIANCE	22
23	LIGHTS & RECEP.	1-15	#14	½"			¾"	#14	1-15	LIGHTS & RECEP.	24
25	LIGHTS & RECEP.	1-15	#14	½"			¾"	#14	1-15	LIGHTS & RECEP.	26
27	LIGHTS & RECEP.	1-15	#14	½"	11,520		¾"	#14	1-15	LIGHTS & RECEP.	28
29	LIGHTS & RECEP.	1-15	#14	½"			¾"	#14	1-15	LIGHTS & RECEP.	30
31	LIGHTS & RECEP.	1-15	#14	½"			¾"	#14	1-15	LIGHTS & RECEP.	32
33	LIGHTS & RECEP.	1-15	#14	½"			¾"	#14	1-15	LIGHTS & RECEP.	34
35	SPARE	1-20	—	—	500	800	—	—	1-15	SPACE	36

CONNECTED LOAD: 71,550 V.A.
DEMAND LOAD: SEE LOAD CALCULATION

FEEDER: 2-3/0 & 1 #3 IN 2"C
FED FROM: MAIN CIRCUIT BREAKER

LIGHTS & RECEP LOAD: 3850 SQ.FT. × 3.0 WATTS PER FT = 11,550 WATTS.
CIRCUITS 25, 29 AND 31 TO HAVE GROUND FAULT PROTECTION
HEATING AND COOLING LOADS TO BE NON-COINCIDENT

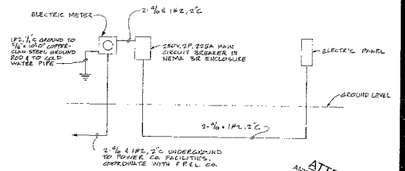
LOAD CALCULATION

ELECTRIC LOAD:
HEATING (108 × .8) AT 100 %: 19.1 KW
10.0 KW OF OTHER LOAD AT 100 %: 10.0 KW
REMAINDER OF OTHER LOAD AT 40 %: 17.0 KW
TOTAL 46.1 KW

AT 230V, 1Ø = 200.4 AMPS.

NEUTRAL LOAD:
1.5 × 2.0 × 11.35 × 1.6 = 30.65 KW
FIRST 7.0 KW AT 100 %: 7.0 KW
REMAINDER AT 35 %: 6.3 KW
RANGE (8.0 KW × 70 %): 5.6 KW
(-5.2 KW - 1.5 × 1.0 × 1.2): -8.1 KW
20.9 KW

AT 230V, 1Ø = 90.9 AMPS.



ELECTRIC RISER DIAGRAM
N.T.S.

ATTENTION
ALL CONSTRUCTION SHALL COMPLY WITH THE FLORIDA BUILDING CODE AS AMENDED & ALL RULES GOVERNING TRADES, PROFESSIONS & OCCUPATIONS.

OFFICE COPY

CITY OF MIAMI BEACH
APPROVED
DATE
BUILDING BY:
ZONING BY:
PLANNING BY:
ELECTRICAL BY:
MECHANICAL BY:
FIRE PREVENTION
PROBATIONS

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
MIAMI, FLORIDA

RESIDENCE FOR
DR. AMBELDAN INC.

Job No. 8909
Date 12-29-89

MODEL A & B

E-2
OF 15

90429

GENERAL NOTES:

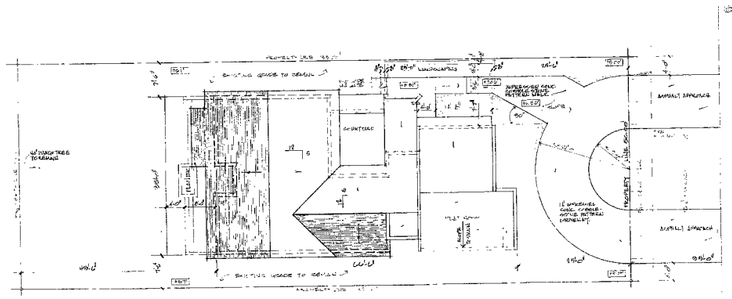
BUILDING INSPECTION DIVISION
REVISED SHEET
Date Rec'd 7/1/91 By

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

LEGAL DESCRIPTION

CITY OF MIAMI BEACH
APPROVED
BUILDING BY
ZONING BY
PLUMBING BY
ELECTRICAL BY
MECHANICAL BY
FIRE PREVENTION

OFFICE COPY



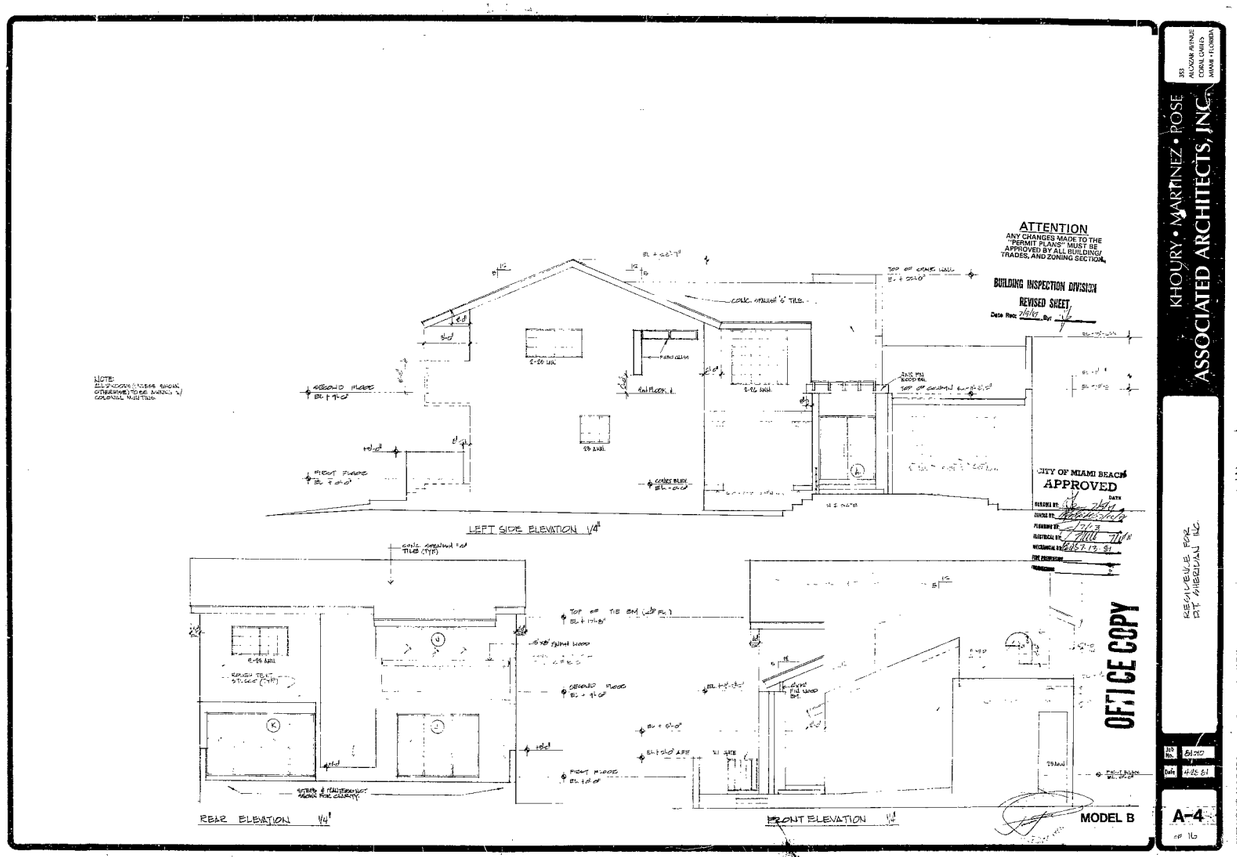
MODEL B

KHOURY • MARTINEZ • POSE ASSOCIATED ARCHITECTS, INC.

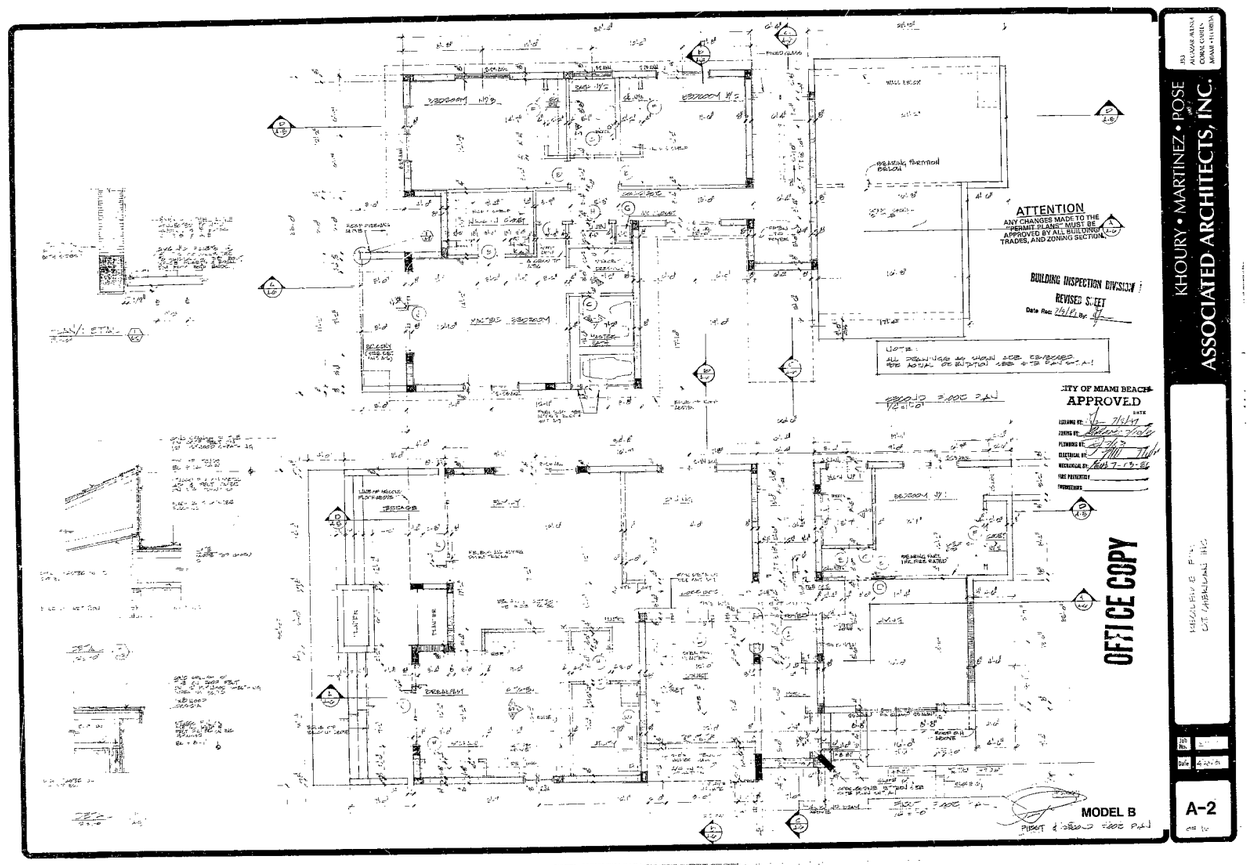
RESIDENCE FOR
DT SHERIDAN INC.

A-1

90429


ATTENTION
ANY CHANGES MADE TO THE "PERMIT PLANS" MUST BE APPROVED BY ALL BUILDING/ TRADES, AND ZONING SECTION.
BUILDING INSPECTION DIVISION
REVISED SHEET
Date Rec'd
By
CITY OF MIAMI BEACH
APPROVED
DATE
BUILDING BY
ZONING BY
PLUMBING BY
ELECTRICAL BY
MECHANICAL BY
FIRE DEPARTMENT
OFFICE COPY
LEFT SIDE ELEVATION 1/4"
REAR ELEVATION 1/4"
FRONT ELEVATION 1/4"
MODEL B
KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
321 ALHAMBRA CIRCLE CORAL GABLES MIAMI • FLORIDA
REVISED FOR 1ST MERIDIAN BC.
JOB No. 8120
DATE 4.15.81
A-4
of 16

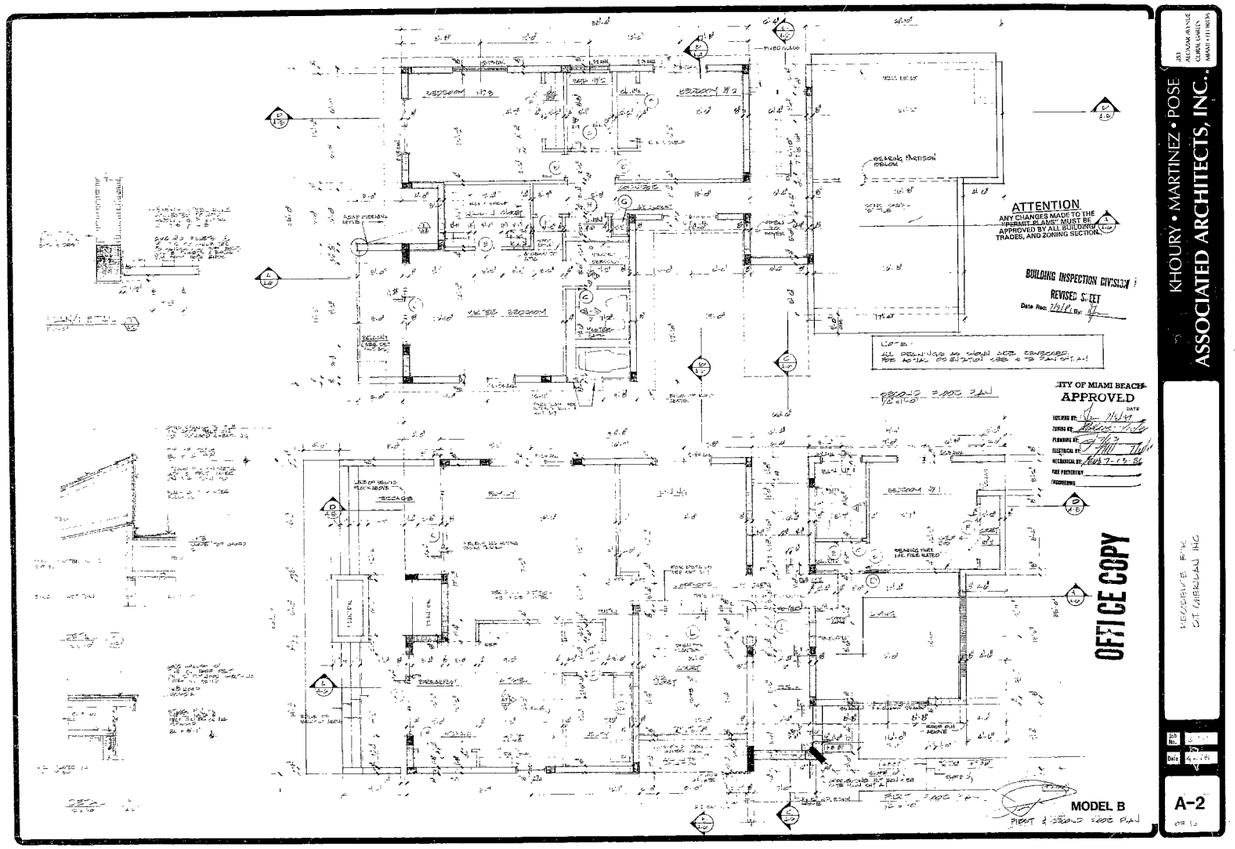
90429



KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.

A-2

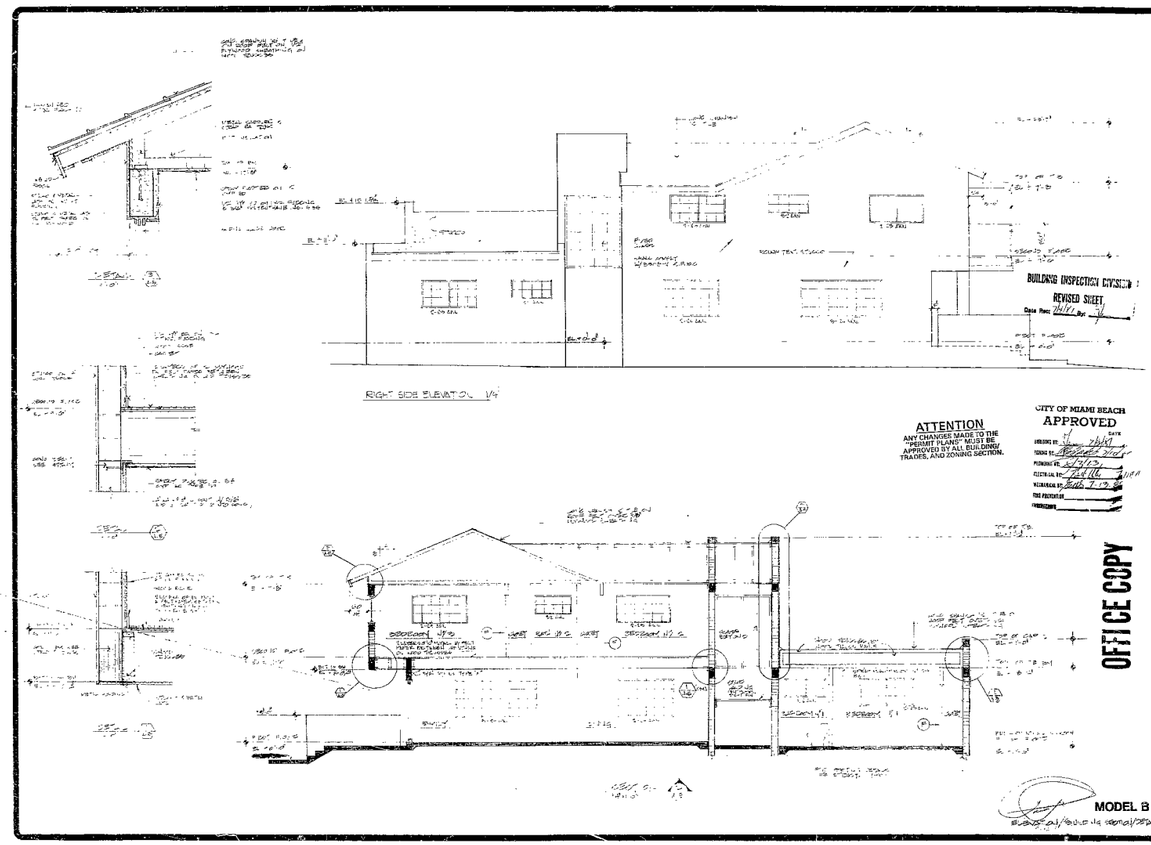
90429



KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.

A-2

90429



RIGHT SIDE ELEVATION 1/4"

BUILDING INSPECTION DIVISION
REVISED SHEET
Date Rec'd 10/1/21 By

CITY OF MIAMI BEACH
APPROVED
DATE

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

OFFICE COPY

MODEL B

A-5
OF 14

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
FLORIDA 33134

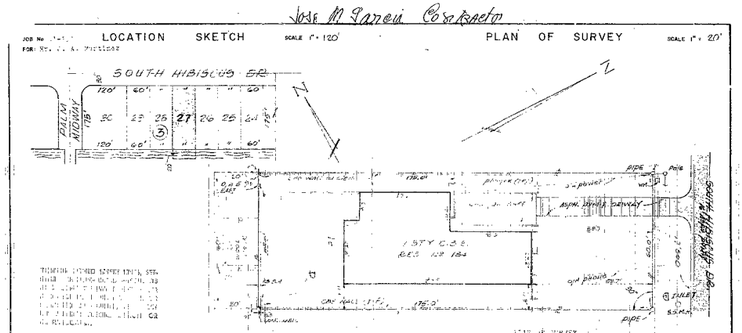
REVISIONS FINAL
DRB APPROVAL NO.

DRB
DATE 2/22/21

90429

Jose M Parera Contractor

LOCATION SKETCH SCALE 1" = 120'



PLAN OF SURVEY SCALE 1" = 20'

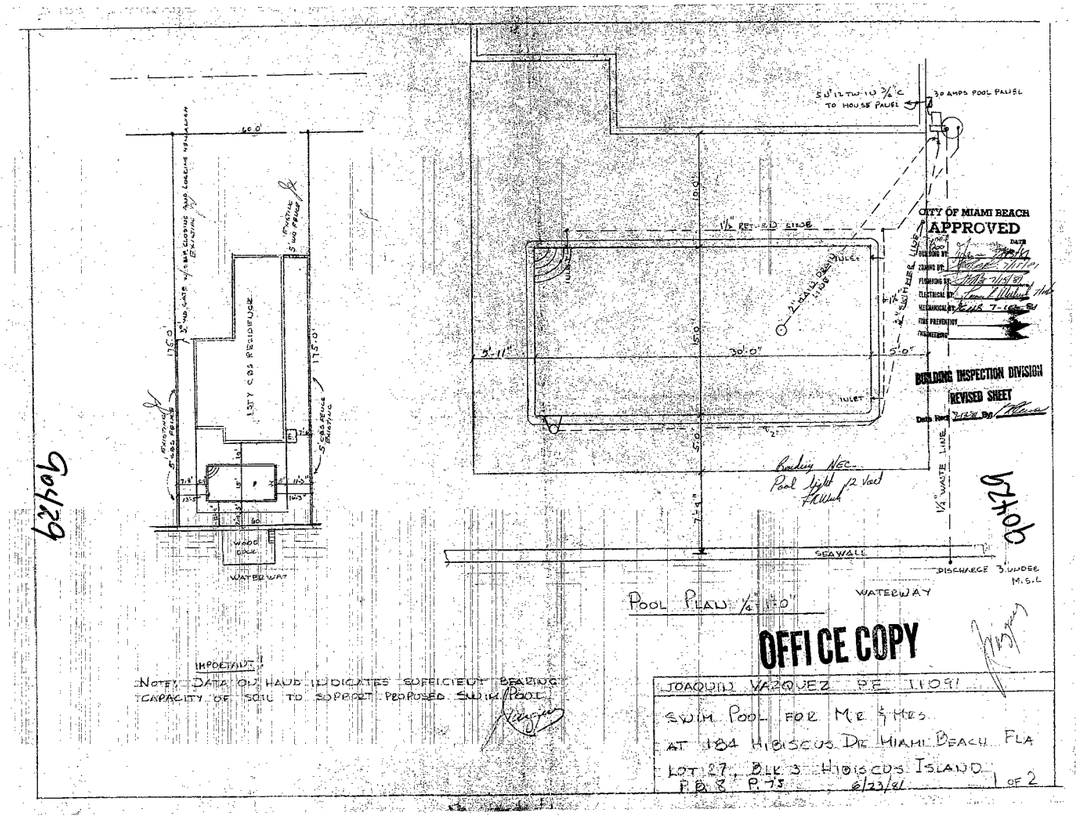
I HEREBY CERTIFY that the attached PLAN OF SURVEY of the above described property is true and correct to the best of my knowledge and belief as recently surveyed and plotted under my direction; also that there are no above-ground encroachments other than those shown.

By _____

REG. LAND SURVEYOR No.
STATE OF FLORIDA

NOT VALID UNLESS SEALED WITH AN EMBOSSED SURVEYOR'S SEAL

90429


5#12 TW-10 3/4"C
TO HOUSE PANEL
30 AMPS POOL PANEL
CITY OF MIAMI BEACH
APPROVED
DATE
BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
PUBLIC WORKS
BUILDING INSPECTION DIVISION
REVISED SHEET
Date Rec'd
60.0'
10'-0"
1/2" RETAINED EDGE
2" CAST IRON PIPES
4" SLOPE
5'-11"
30'-0"
5'-0"
INLET
Existing Wall
Existing Fence
Existing Hedge
Existing Tree
Existing Wood Deck
Existing Concrete
Existing Pool
Existing Pool Deck
Existing Concrete Walk
Existing Concrete Driveway
Existing Asphalt Paving
Existing Concrete Curb
Existing Concrete Sidewalk
Existing Concrete Patio
Existing Concrete Steps
Existing Concrete Retaining Wall
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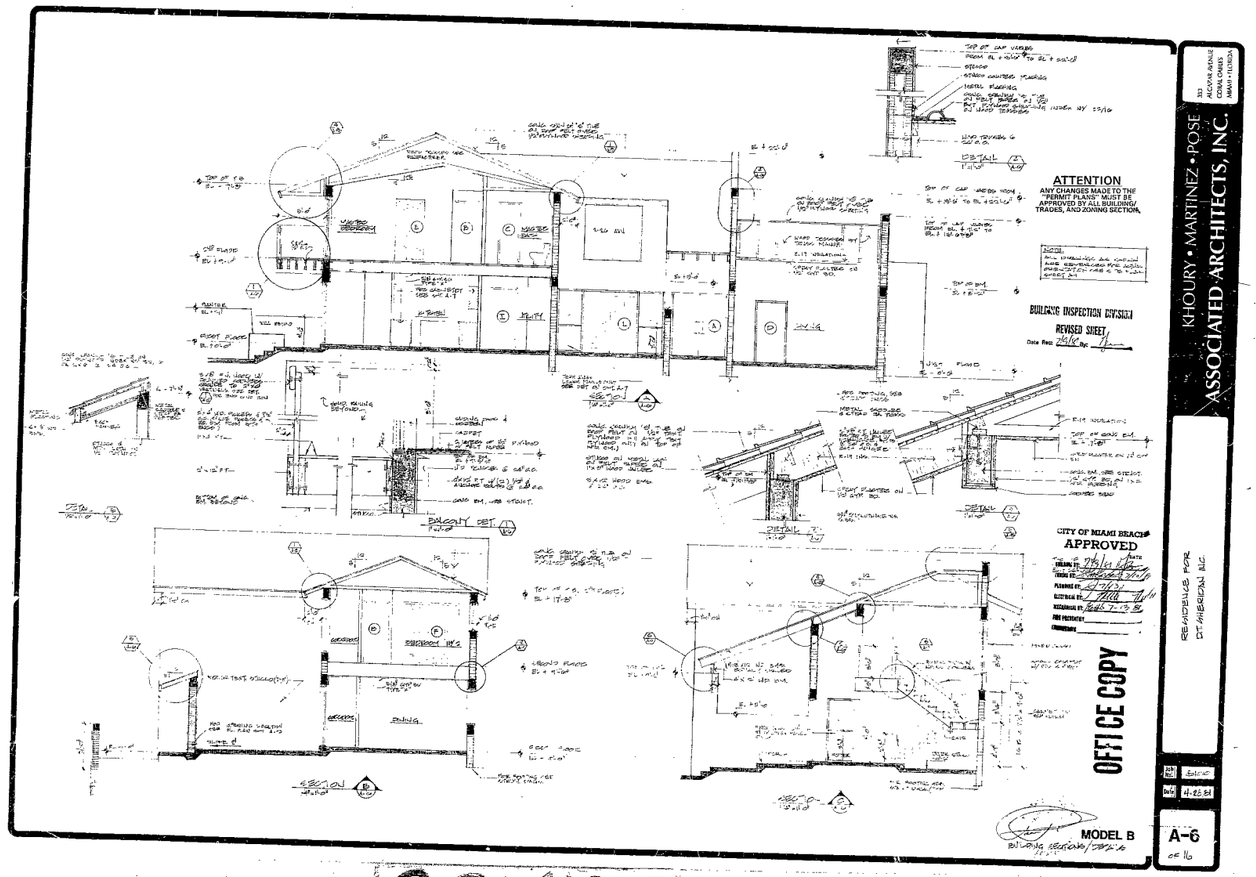
Existing Concrete



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

BUILDING INSPECTION DIVISION
REVISED SHEET
Date Rec'd By:

CITY OF MIAMI BEACH
APPROVED
DATE
BUILDING BY
ZONING BY
PLANNING BY
ELECTRICAL BY
ACCESSIBILITY BY
FIRE PREVENTION
CONDITIONS

OFFICE COPY

MODEL B

KHOURY • MARTINEZ • POSE
ASSOCIATED ARCHITECTS, INC.
333 ALCAZAR AVENUE
CORAL GABLES
MIAMI FLORIDA

REVISIONS PER DT. AMENDMENT #1C

DATE 11-22-91
A-6
of 16

90429

LASON

PERMIT #

B 0303639

04

TILLECO INC.
TILLIT TESTING & ENGINEERING COMPANY

WALTER A. TILLIT, JR., P.E.

May 28, 2003

City of Miami Beach
Building and Zoning Department
1700 Convention Center Drive
Miami Beach, Florida 33139

Contractor: Aircon Shutters, Inc.

Job Address : 184 S-Hibiscus Drive
Miami Beach, FL.

Owner's name : Steve Rash

Subject : Installation of Accordion Shutters and Roll Up Shutters.

Dear Sirs :

I hereby attest that to the best of my knowledge, belief, and professional judgement, the review of the above mentioned building's configuration, provided to this office by the contractor, indicates that the maximum design pressure rating for the subject job is :

- Design Pressure Rating : + 63.2,-75.0 p.s.f. (all openings)

This design load has been determined based on section 1619 of the 2001 Edition of the Florida Building Code, for a :

- Building's mean roof height of : ± 25'-0"
- Wind velocity and exposure: 146 mph, Exposure C.
- Wind zone : End Zone
- Remaining openings of building protected for impact beyond the zone covered on this permit: no

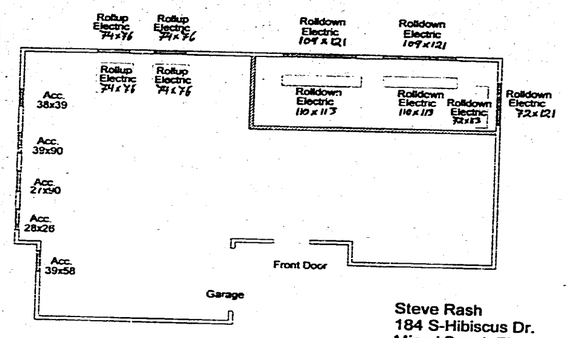
Therefore, maximum panel span and maximum anchor spacing for a given type of installation shall be determined as per schedules shown on: Applicable Miami Dade County approved drawings.

If I can be of further service, please do not hesitate to call.

Very truly yours,

Walter A. Tillit Jr, P.E.
President
WAT/ps
D:\TILLECO\CORRESP\AIRCON SHUTTERS\CITY OF MIAMI BEACH\AIRCON SHUTTERS\NEW HOUSING.107

6595 N.W. 36th Street, Suite 217, Miami, Florida 33166 - Phone: (305) 871-1530 - Fax: (305) 871-1531



Steve Rash
184 S-Hibiscus Dr.
Miami Beach FL
Mean Roof Height 25'

Aluroll Shutter Systems, Inc.

SHUTTER PRODUCT APPROVAL AUTHORIZATION FORM

Dear Building Official:

We are the Dade County Notice of Acceptance Holder for the ASSA/Residental Bertha Accordion Shutter under number 02-0924.03

This letter authorizes Aircon Shutter Inc. to use and install our ASSA/Residental Bertha Accordion Shutter under number 02-0924.03 at the following Job:

Job Name: Carol + Steve Rash
Address: 184 S-Hibiscus Dr
City: Miami Beach

Sincerely,

Kurt Ruemmele
President

4747 SW 75th Ave. - Miami, FL. 33155-Ph.305-262-6168 -Fax: 305-261-0157-e-ad.aluroll@attglobal.net
www.alurollshutters.com

04

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

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

Aleroll Shutter Systems, Inc.
4747 S.W. 75th Avenue
Miami, Florida 33155

— B030363 —

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 locations 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 NOA 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 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: ASSA / Residential Bertha Accordion Shutter

APPROVAL DOCUMENT: Drawing No. 02-457, titled " ASSA / Residential Bertha Accordion Shutter ", sheets 1 through 10 of 10, prepared by Tilseco, Inc., dated September 19, 2002, last revised #1 dated September 19, 2002, bearing the Miami-Dade County Product Control Renewal 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

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the 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. Copy/portion of the NOA is displayed, then it shall be done in its entirety.

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

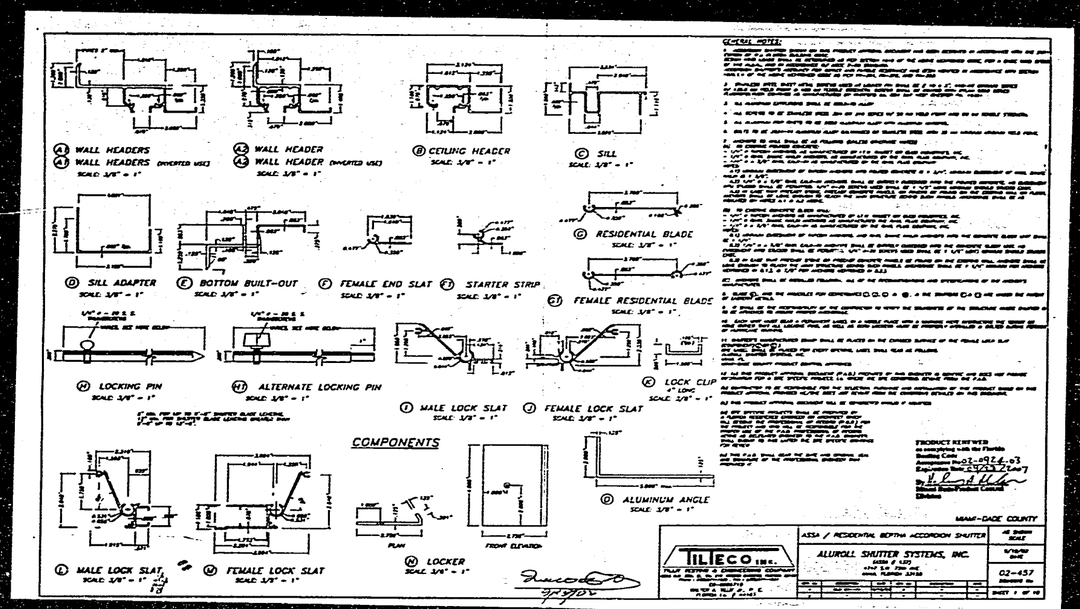
This NOA revises & renews NOA # 99-0914.03 and consists of page 1 & approval document mentioned above
The submitted documentation was reviewed by Stanley A. Meiser, P.E.

Review Type	Initials	Date
Building		6/13/
Zoning		6/18/

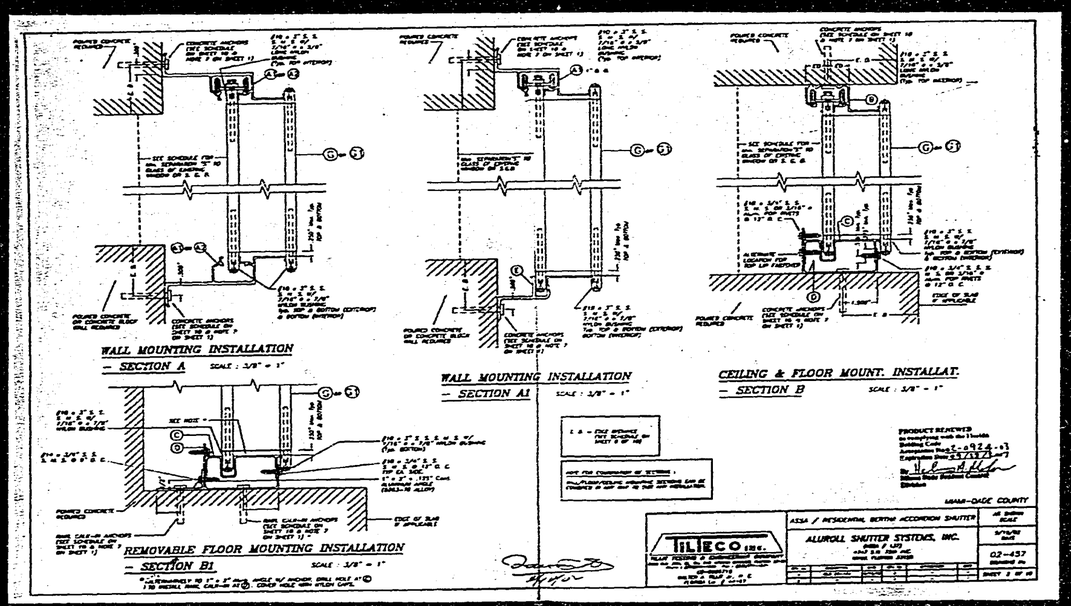
NOA No 02-0914.03
Expiration Date: 09/23/2007
Approved Date: 10/24/2002
Page 1

Florida Building Code Compliance Office (BCCO)
NOA COMPLIANCE
REVIEWED

Building Department
Shutter Permit
OFFICE COPY



04



WALL MOUNTING INSTALLATION
— SECTION A SCALE : 3/8" = 1"

WALL MOUNTING INSTALLATION
— SECTION A1 SCALE : 3/8" = 1"

CEILING & FLOOR MOUNT. INSTALLAT.
— SECTION B SCALE : 3/8" = 1"

REMOVABLE FLOOR MOUNTING INSTALLATION
— SECTION B1 SCALE : 3/8" = 1"

E.A. = EDGE ANCHOR (SEE SCHEDULE ON SHEET 5 OF 10)

NOTE FOR CONSTRUCTION OF SECTIONS :

MIAMI-DADE COUNTY

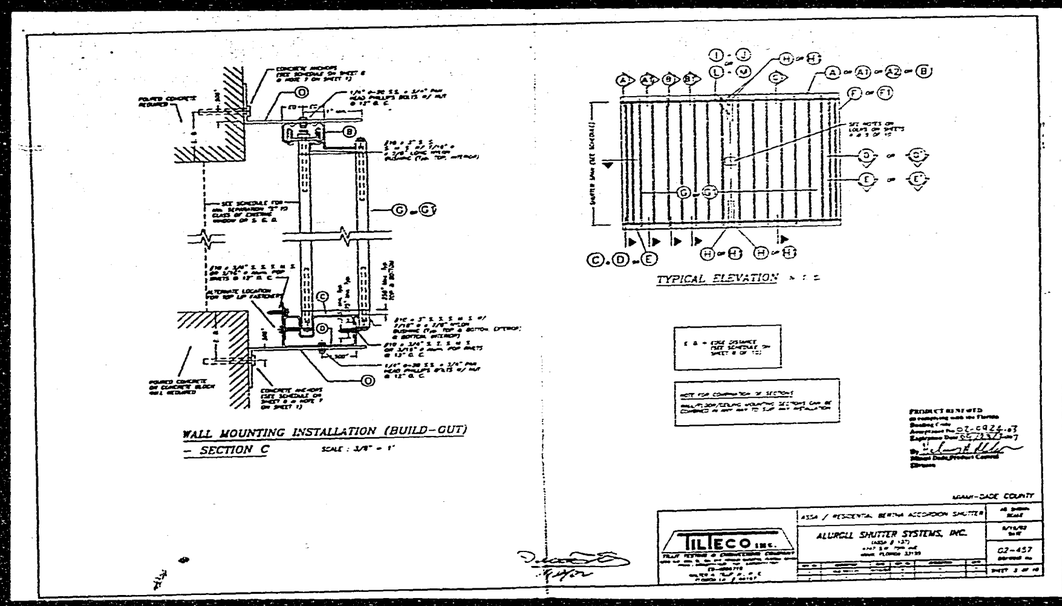
TILLECO INC.

ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER

ALLUROLL SHUTTER SYSTEMS, INC.

02-457

SHEET 3 OF 10



WALL MOUNTING INSTALLATION (BUILD-OUT)
— SECTION C SCALE : 3/8" = 1"

TYPICAL ELEVATION N.T.S.

E.A. = EDGE ANCHOR (SEE SCHEDULE ON SHEET 5 OF 10)

NOTE FOR CONSTRUCTION OF SECTIONS :

MIAMI-DADE COUNTY

TILLECO INC.

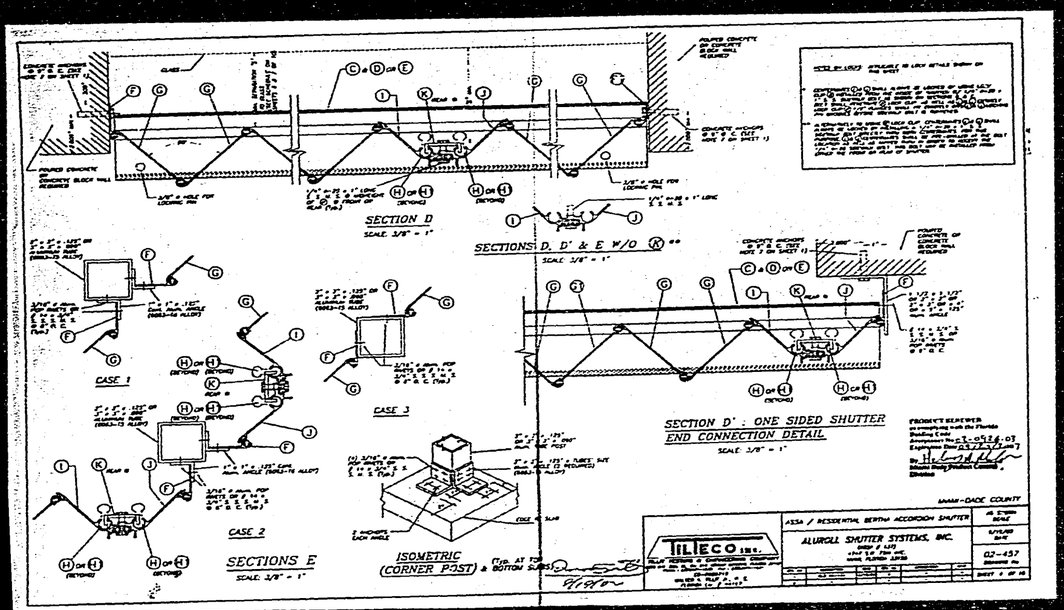
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER

ALLUROLL SHUTTER SYSTEMS, INC.

02-457

SHEET 4 OF 10

04



SECTION D
SCALE: 3/8" = 1"

SECTIONS D, D' & E W/O (R) **
SCALE: 3/8" = 1"

SECTION D' : ONE SIDED SHUTTER
END CONNECTION DETAIL
SCALE: 3/8" = 1"

CASE 1

CASE 2

CASE 3

SECTIONS E
SCALE: 3/8" = 1"

ISOMETRIC
(CORNER POST) & (TYP. AT TOP & BOTTOM SLABS)

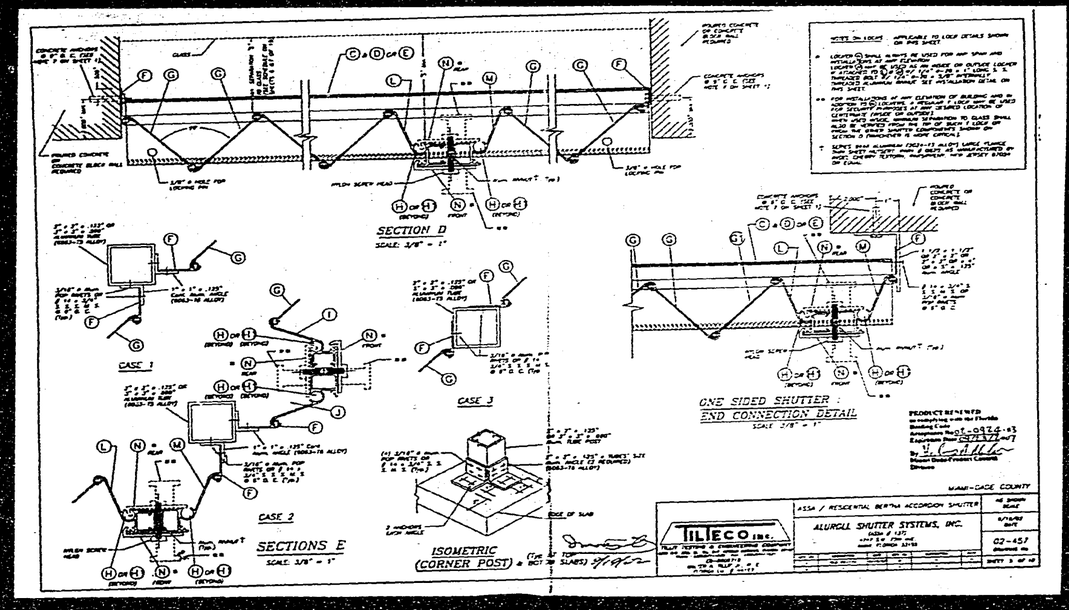
TILTECO INC.

ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER

ALUROLL SHUTTER SYSTEMS, INC.

02-457

MIAMI-DADE COUNTY



SECTION D
SCALE: 3/8" = 1"

ONE SIDED SHUTTER
END CONNECTION DETAIL
SCALE: 3/8" = 1"

CASE 1

CASE 2

CASE 3

SECTIONS E
SCALE: 3/8" = 1"

ISOMETRIC
(CORNER POST) & (TYP. AT TOP & BOTTOM SLABS)

TILTECO INC.

ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER

ALUROLL SHUTTER SYSTEMS, INC.

02-457

MIAMI-DADE COUNTY

04

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM SPAN "L" SCHEDULE.

(VALID FOR SECTIONS A, A1 & C ON SHEETS 3 & 5 OF 10).

NOTE: DESIGN PRESSURE RATING CORRESPONDS ONLY TO NEGATIVE PRESSURE (SUCTION) LOADS, IN ACCORDANCE WITH ASCE 7-98 CRITERIA FOR A CASE-I OPENING.
IF NEGATIVE PRESSURE VALUES COMPLY WITH THE REQUIRED PRESSURE FOR THE OPENING, THE POSITIVE PRESSURE WILL AUTOMATICALLY QUALIFY AND NEED NOT TO BE CHECKED

nominal design load "P" (p.s.f.)	maximum unsupported span "L" (in.)	minimum thickness "t" for ALUMINUM ALLOY 6063-T5 (in.)	
15.0	151-1/2"	.040"	1"
17.5	145-1/2"	.040"	1"
20.0	140-1/2"	.040"	1"
22.5	136-1/2"	.040"	1"
25.0	132-1/2"	.040"	1"
27.5	129-1/2"	.040"	1"
30.0	126-1/2"	.040"	1"
32.5	123-1/2"	.040"	1"
35.0	121-1/2"	.040"	1"
37.5	119-1/2"	.040"	1"
40.0	117-1/2"	.040"	1"
42.5	115-1/2"	.040"	1"
45.0	113-1/2"	.040"	1"
47.5	111-1/2"	.040"	1"
50.0	110-1/2"	.040"	1"
52.5	108-1/2"	.040"	1"
55.0	107-1/2"	.040"	1"
57.5	105-1/2"	.040"	1"
60.0	104-1/2"	.040"	1"
62.5	103-1/2"	.040"	1"
65.0	102-1/2"	.040"	1"
67.5	101-1/2"	.040"	1"
70.0	100-1/2"	.040"	1"
72.5	99-1/2"	.040"	1"
75.0	98-1/2"	.040"	1"
77.5	97-1/2"	.040"	1"
80.0	96-1/2"	.040"	1"

nominal design load "P" (p.s.f.)	maximum unsupported span "L" (in.)	minimum thickness "t" for ALUMINUM ALLOY 6063-T5 (in.)	
82.5	95-1/2"	.040"	1"
85.0	94-1/2"	.040"	1"
87.5	93-1/2"	.040"	1"
90.0	92-1/2"	.040"	1"
92.5	91-1/2"	.040"	1"
95.0	90-1/2"	.040"	1"
97.5	89-1/2"	.040"	1"
100.0	88-1/2"	.040"	1"
102.5	87-1/2"	.040"	1"
105.0	86-1/2"	.040"	1"
107.5	85-1/2"	.040"	1"
110.0	84-1/2"	.040"	1"
112.5	83-1/2"	.040"	1"
115.0	82-1/2"	.040"	1"
117.5	81-1/2"	.040"	1"
120.0	80-1/2"	.040"	1"
122.5	79-1/2"	.040"	1"
125.0	78-1/2"	.040"	1"
127.5	77-1/2"	.040"	1"
130.0	76-1/2"	.040"	1"

nominal design load "P" (p.s.f.)	maximum unsupported span "L" (in.)	minimum thickness "t" for ALUMINUM ALLOY 6063-T5 (in.)	
132.5	75-1/2"	.040"	1"
135.0	74-1/2"	.040"	1"
137.5	73-1/2"	.040"	1"
140.0	72-1/2"	.040"	1"
142.5	71-1/2"	.040"	1"
145.0	70-1/2"	.040"	1"
147.5	69-1/2"	.040"	1"
150.0	68-1/2"	.040"	1"
152.5	67-1/2"	.040"	1"
155.0	66-1/2"	.040"	1"
157.5	65-1/2"	.040"	1"
160.0	64-1/2"	.040"	1"
162.5	63-1/2"	.040"	1"
165.0	62-1/2"	.040"	1"
167.5	61-1/2"	.040"	1"
170.0	60-1/2"	.040"	1"
172.5	59-1/2"	.040"	1"
175.0	58-1/2"	.040"	1"
177.5	57-1/2"	.040"	1"
180.0	56-1/2"	.040"	1"

TABLE 1:

minimum dimension "t" BETWEEN BLADE AND SHUTTER FACE PLATE (SHUTTER SPAN "L" = MAXIMUM UNSUPPORTED SPAN FROM TABLE ABOVE) FOR ALUMINUM ALLOY 6063-T5 SHUTTER BLADES AS SHOWN ON SECTIONS A, A1 & C ON SHEETS 3 & 5 OF 10, AVAILABLE AS FOLLOWS:

SHUTTER SPAN "L" (in.)	minimum dimension "t"
UP TO 120 (inc.)	.040"
120.5" TO 177.5"	.050"

- FOR SHUTTERS INSTALLED WITHIN THE FIRST 30'-0" ELEVATION OF BUILDING, NOT SHALL 1 FOR OPENINGS IN FLOOR AND WHERE SHUTTER HAS BEEN ALLOWED WITH NO PROTECTION, AS PER NOTE 3 ON SCHEDULE.
- FOR SHUTTERS INSTALLED ABOVE 30'-0" ELEVATION OF BUILDING, HURRICANE SHUTTERS SHALL BE REQUIRED.

PRODUCT REVIEWED
As complying with the Florida Building Code
Compliance No: 02-0924.03
Expiration Date: 12-23-07
Product Control Division

MIAMI-DADE COUNTY

TILTECO INC.
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER
ALLROLL SHUTTER SYSTEMS, INC.
All Sections
SCALE
NTS/NS
DATE
02-457
DRAWING No.
SHEET 1 OF 10

MAXIMUM DESIGN PRESSURE RATING "+P" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE *

MAXIMUM DESIGN LOAD "+P" (p.s.f.)	SCHEDULE A-1 WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)			SCHEDULE A-2 WALL MOUNTING INSTALLATION AT BOTTOM (TO WOOD)*			SPECIAL A-3 CEILING OR FLOOR MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)		
	MIN. 1	MIN. 2	MIN. 3	MIN. 1	MIN. 2	MIN. 3	MIN. 1	MIN. 2	MIN. 3
FROM 40.0 TO 62.3	9"	9"	9"	9"	9"	9"	9"	-	9"
FROM 62.3 TO 73.0	9"	9"	9"	9"	9"	9 1/2"	9"	-	9"
FROM 73.1 TO 82.3	9"	9"	9"	9"	9 1/2"	9 1/2"	9"	-	9"
FROM 82.4 TO 130.0	9"	9"	9"	9"	9"	-	9"	-	9"
FROM 130.1 TO 180.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 180.1 TO 182.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 182.1 TO 200.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 200.1 TO 220.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 220.1 TO 240.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 240.1 TO 260.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 260.1 TO 280.0	9"	9"	-	9"	9"	-	9"	9"	-
FROM 280.1 TO 300.0	9"	9"	-	9"	9"	-	9"	9"	-

ANCHOR MARK LEGEND

(1) #14 ANCHOR SPACING VALID FOR WIDTHS OF 3'-0" OR LESS.
(2) #14 ANCHOR SPACING VALID FOR WIDTHS GREATER THAN 3'-0" TO 8'-0".
(3) #14 ANCHOR SPACING VALID FOR WIDTHS GREATER THAN 8'-0" TO MAX. ALLOWED.

ZINAC WALL

CAPTION OF WALL CALC-ns

ANCHOR SPACING LEGEND

NOTES ON ANCHOR SPACING SCHEDULE

1. FOR SHEET S & 10 OF 10 FOR ANCHOR TYPE & SPACING OF INSTALLATIONS WITH WOOD SUBSTRATE.
2. MINIMUM ANCHOR EMBEDMENT AND EDGE DISTANCE FOR #14 S.S. OR LESS SHALL BE 1 1/2" MINIMUM EDGE DISTANCE. FOR #14 S.S. OVER 1 1/2" ADJUST MINIMUM EMBEDMENT BY THE FOLLOWING FACTORS: (MIN. E. D. FOR #14 S.S. OR LESS IS 1 1/2").

ACTUAL E. D.= EDGE DISTANCE	FACTOR: EMBEDMENT / SHEAR VALUE	FACTOR: AXIAL CAPACITY
2"	.86	.71
2 1/2"	.71	.5
3"	.50	-

PRODUCT REVIEWED as complying with the Florida Building Code. Approval No. 01-0924.02 Expiration 08/27/07
By: Miami-Dade Product Control Division

MIAMI-DADE COUNTY

TILTECO INC. — HURRICANE & STRUCTURAL COMPONENTS

ASSA / RESIDENTIAL BERTH ACCORDION SHUTTER

ALUROLL SHUTTER SYSTEMS, INC.
INDEX # 1.171
12947 S.W. 79th Ave.
Miami, Florida 33156

All Sheets SCALE: 3/16"=1'-0"
02-457
SHEET 9 OF 10

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

NOTES:
1. INSTALLATIONS ARE ONLY VALID FOR INSTALLATIONS WITH DESIGN WIND LOADS LESS OR EQUAL THAN 73 p.s.f. AND 7'-0" MAX. SHUTTER SPAN.
2. FOR NON WOOD FRAME CONSTRUCTION WOOD MEMBERS TO BE : MINIMUM 2" MIN. S. P.F. SPECIFIC DENSITY OF 0.55 OR EQUAL

NOTE FOR COMBINATION OF SECTIONS
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION

ALTERNATIVE 1

ALTERNATIVE 2

ALTERNATIVE 3

WALL MOUNTING INSTALLATION — SECTIONS A

PRODUCT REVIEWED as complying with the Florida Building Code. Approval No. 01-0924.03 Expiration 08/27/07
By: Miami-Dade Product Control Division

MIAMI-DADE COUNTY

TILTECO INC. — HURRICANE & STRUCTURAL COMPONENTS

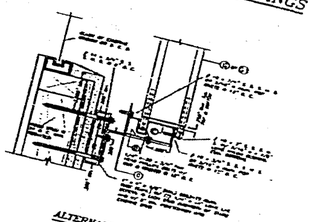
ASSA / RESIDENTIAL BERTH ACCORDION SHUTTER

ALUROLL SHUTTER SYSTEMS, INC.
INDEX # 1.171
12947 S.W. 79th Ave.
Miami, Florida 33156

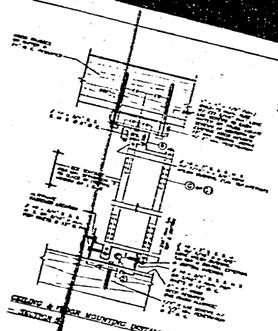
All Sheets SCALE: 3/16"=1'-0"
02-457
SHEET 9 OF 10

04

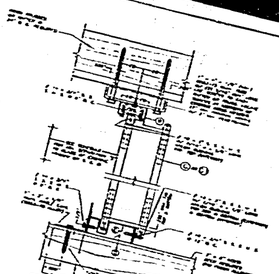
INSTALLATION DETAILS ON
EXISTING WOOD BUILDINGS



ALTERNATIVE 5



CEILING & FLOOR MOUNTING INSTALLATION



CEILING & FLOOR MOUNTING INSTALLATION
SECTION B1

NOTE :
WALL CONSTRUCTIONS, HOUSING SECTIONS CAN BE CHANGED IN ANY WAY TO SUIT ANY INSTALLATION

NOTES :
1. INSTALLATION DETAILS VALID FOR INSTALLATIONS WITH DESIGN WIND LOADS UP TO 50 PSF AND WITH MAX. SHUTTER HEIGHTS OF 15'-0".
2. FOR ANY INSTALLATIONS WITH DESIGN WIND LOADS UP TO 90 PSF AND MAX. SHUTTER HEIGHTS OF 15'-0" SEE DETAILS ON SHEET 2.

PRODUCT APPROVED
Miami-Dade County, Florida
Application No. 04-0914.03
Expiration Date: 12/31/09
By: [illegible]
Miami-Dade County, Florida

TILIECO INC.
5650 N.W. 163rd STREET
MIAMI LAKES, FLORIDA 33014
TEL. (305) 621-1111
FAX (305) 621-1112

ALUROLL SHUTTER SYSTEMS, INC.

MIAMI-DADE COUNTY

Aluroll Shutter Systems, Inc.

SHUTTER PRODUCT APPROVAL AUTHORIZATION FORM

Dear Building Official

Gentleman:

We are the Dade County Notice of Acceptance Holder for Extruded Aluminum Roll Up Shutter under number 03-0417.06

This letter is to authorize Rivera Shutter Inc to use and install our Extruded Aluminum Roll-Up Shutter under number 03-0417.06 to be used at the following Job:

Job Name: Coral Gate Bank
Address: 180 Biscayne Dr
City: Miami Beach, FL

Sincerely,

Ruth Rosenstock
President

4747 SW 75th Ave. - Miami, FL. 33155 - Phone: (305) 262-6168 - Fax: (305) 261-0157
e-mail: aluroll@attglobal.net - web-page: alurollshutters.com

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Miami-Dade County Building Code Compliance Office
Attention: Product Control Section
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
Phone: (305) 375-2901
Fax: (305) 375-2908

Miami-Dade County, Florida
Metropolitan Government
Building Code Compliance Office
Product Control Section
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
Phone: (305) 375-2901
Fax: (305) 375-2908

Your application for Product Approval of:

Name: Dr. Shannon
Company: Alumi-Dade Corp.
Address: 7745 NW 74 Avenue
City, State, Zip: Miami FL 33166

The referenced product has been reviewed by the Miami-Dade County Building Code Compliance Office (BCCO) and found to comply with the Miami-Dade County Code.

This approval with Miami-Dade County conditions is limited to the use of the product under the wind speeds and exposure conditions specified in the Standard Building Code, 1994 Edition.

If this is a renewal, it is the responsibility of the applicant to make sure that the product or material has not been changed since the original approval was granted. Any change in the product or material may void this approval. It is the responsibility of the applicant to notify the Building Code Compliance Office (BCCO) when the product is no longer manufactured or sold.

This approval may be revoked by the Building Official upon determination by the BCCO that the product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be assumed by the manufacturer.

Approval No. 94041758
Expires: 07/01/2000

THIS IS THE COVERSHEET SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL

BUILDING CODE & PRODUCT CONDITIONS

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Approval Date: 06/08/2000

Page 1 of 3

Raul Rodriguez
Chief, Product Control Division

Approved:
Director's Designee
Assistant Director
Miami-Dade County
Building Code Compliance Office

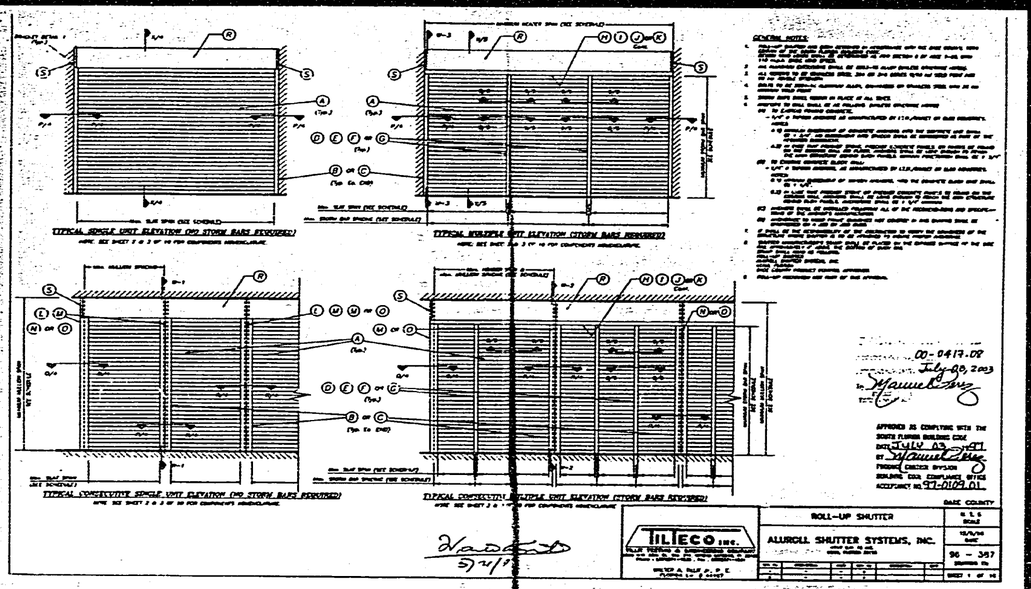
Miami-Dade County, Florida
Metropolitan Government
Building Code Compliance Office
Product Control Section
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
Phone: (305) 375-2901
Fax: (305) 375-2908

Miami-Dade County, Florida
Metropolitan Government
Building Code Compliance Office
Product Control Section
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
Phone: (305) 375-2901
Fax: (305) 375-2908

Approved as noted

Approved as noted

Approved as noted



TYPICAL SINGLE UNIT ELEVATION (NO STORM BARS REQUIRED)

TYPICAL MULTIPLE UNIT ELEVATION (STORM BARS REQUIRED)

TYPICAL CONSECUTIVE SINGLE UNIT ELEVATION (NO STORM BARS REQUIRED)

TYPICAL CONSECUTIVE MULTIPLE UNIT ELEVATION (STORM BARS REQUIRED)

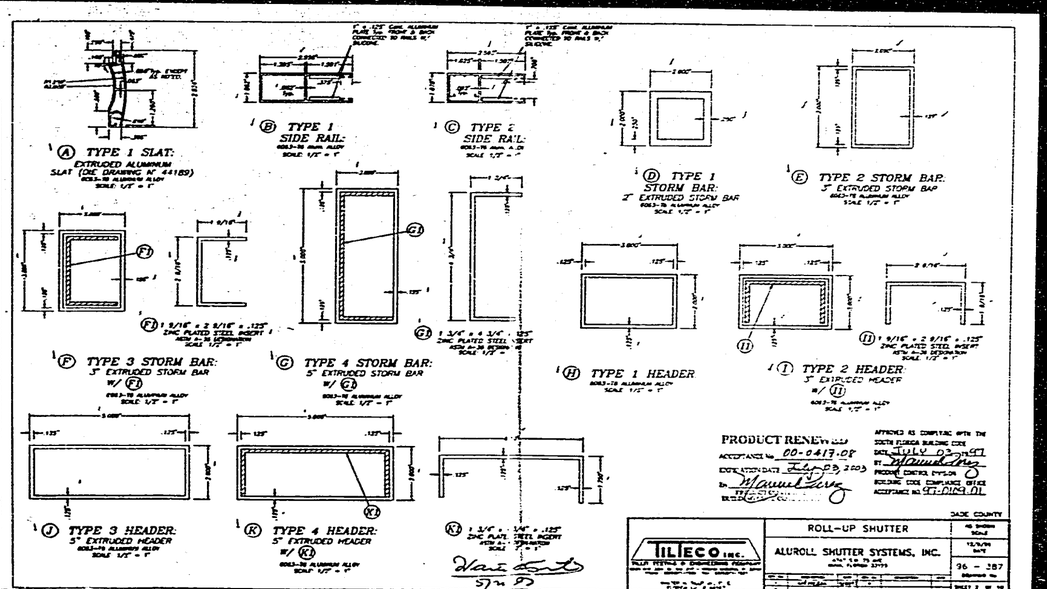
GENERAL NOTES:

00-0417.08
July 30, 2003

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE July 30, 2003
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0104.01

DADE COUNTY

TILLECO INC.
ROLL-UP SHUTTER
ALUROLL SHUTTER SYSTEMS, INC.
96 - 387
SHEET 1 OF 10



(A) TYPE 1 SLAT:
EXTRUDED ALUMINUM SLAT (DIE DRAWING #: 44189)
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(B) TYPE 1 SIDE RAIL:
6063-T6 ALUM. ALLOY
SCALE: 1/2" = 1"

(C) TYPE 2 SIDE RAIL:
6063-T6 ALUM. ALLOY
SCALE: 1/2" = 1"

(D) TYPE 1 STORM BAR:
3" EXTRUDED STORM BAR
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(E) TYPE 2 STORM BAR:
3" EXTRUDED STORM BAR
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(F) TYPE 3 STORM BAR:
3" EXTRUDED STORM BAR
W/ (F1)
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(G) TYPE 4 STORM BAR:
5" EXTRUDED STORM BAR
W/ (G1)
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(H) TYPE 1 HEADER
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(I) TYPE 2 HEADER
3" EXTRUDED HEADER
W/ (I1)
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(J) TYPE 3 HEADER:
5" EXTRUDED HEADER
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

(K) TYPE 4 HEADER:
5" EXTRUDED HEADER
W/ (K1)
6063-T6 ALUMINUM ALLOY
SCALE: 1/2" = 1"

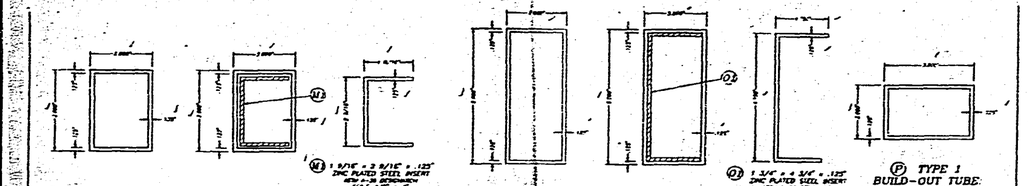
PRODUCT RENEWAL
ACCEPTANCE No. 00-0417.08
EXPIRATION DATE July 30, 2003
BY
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 99-0104.01

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE July 30, 2003
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 99-0104.01

DADE COUNTY

TILLECO INC.
ROLL-UP SHUTTER
ALUROLL SHUTTER SYSTEMS, INC.
96 - 387
SHEET 2 OF 10

04



(L) TYPE 1 MULLION: 5" EXTRUDED MULLION

(M) TYPE 2 MULLION: 5" EXTRUDED MULLION W/ (M1)

(N) TYPE 3 MULLION: 5" EXTRUDED MULLION

(O) TYPE 4 MULLION: 5" EXTRUDED MULLION W/ (O1)

(P) TYPE 1 BUILD-OUT TUBE: 5" x 5" EXTRUDED TUBE

(T) ZINC PLATED STEEL INSERT FOR SLATS.

(R) BOX COMPONENTS AND ASSEMBLY DETAIL

(S) BOX SIDE BRACKET TYPES

PRODUCT RENEWED
ACCEPTANCE No. 00-0417.08
EXPIRATION DATE July 03, 2005

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 7/14/03
BY Manuel Diaz
PRODUCT CONTROL DIV'S ON BUILDING CODE COMPLIANCE
ACCEPTANCE NO. 97-0109.01

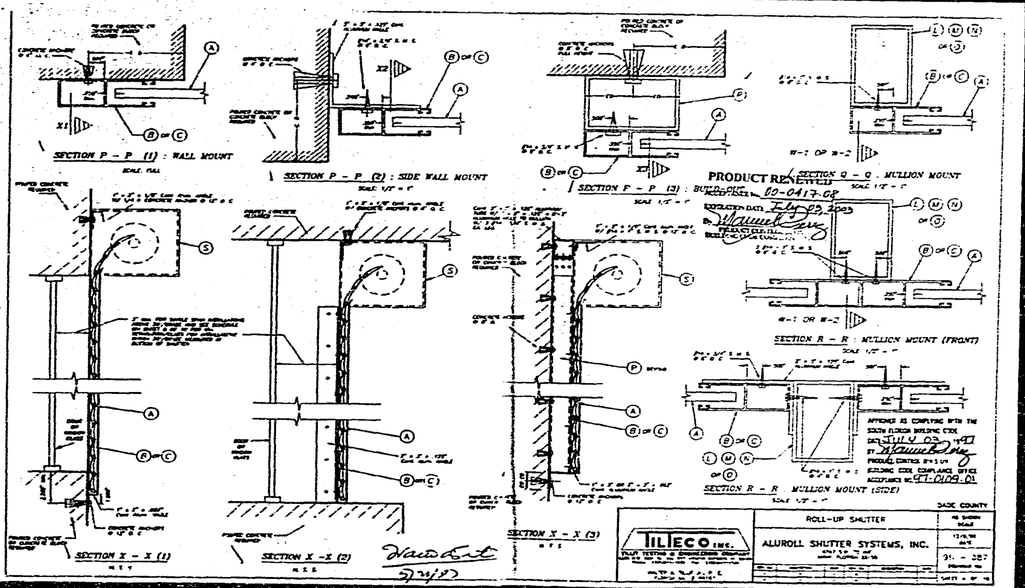
DADE COUNTY

TILTECO INC.

ROLL-UP SHUTTER

ALUROLL SHUTTER SYSTEMS, INC.

95 - 387



SECTION P - P (1) : WALL MOUNT

SECTION P - P (2) : SIDE WALL MOUNT

SECTION P - P (3) : BUTT-OFF

SECTION Q - Q : MULLION MOUNT

SECTION R - R : MULLION MOUNT (FRONT)

SECTION R - R MULLION MOUNT (SIDE)

SECTION X - X (1)

SECTION X - X (2)

SECTION X - X (3)

PRODUCT RENEWED
ACCEPTANCE No. 00-0417.08
EXPIRATION DATE July 03, 2005

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 7/14/03
BY Manuel Diaz
PRODUCT CONTROL DIV'S ON BUILDING CODE COMPLIANCE
ACCEPTANCE NO. 97-0109.01

DADE COUNTY

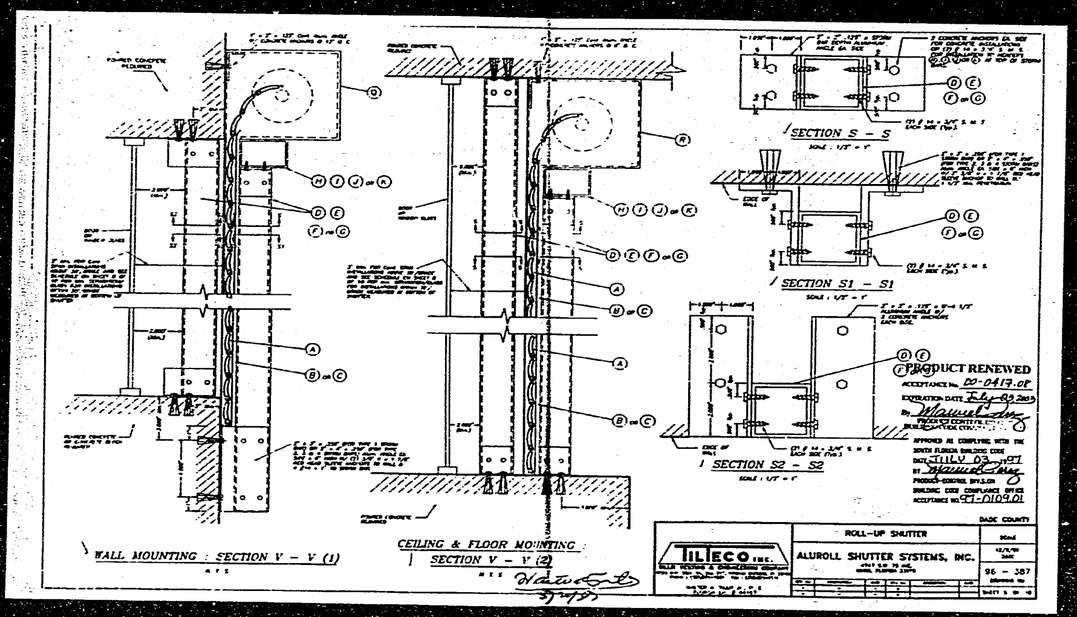
TILTECO INC.

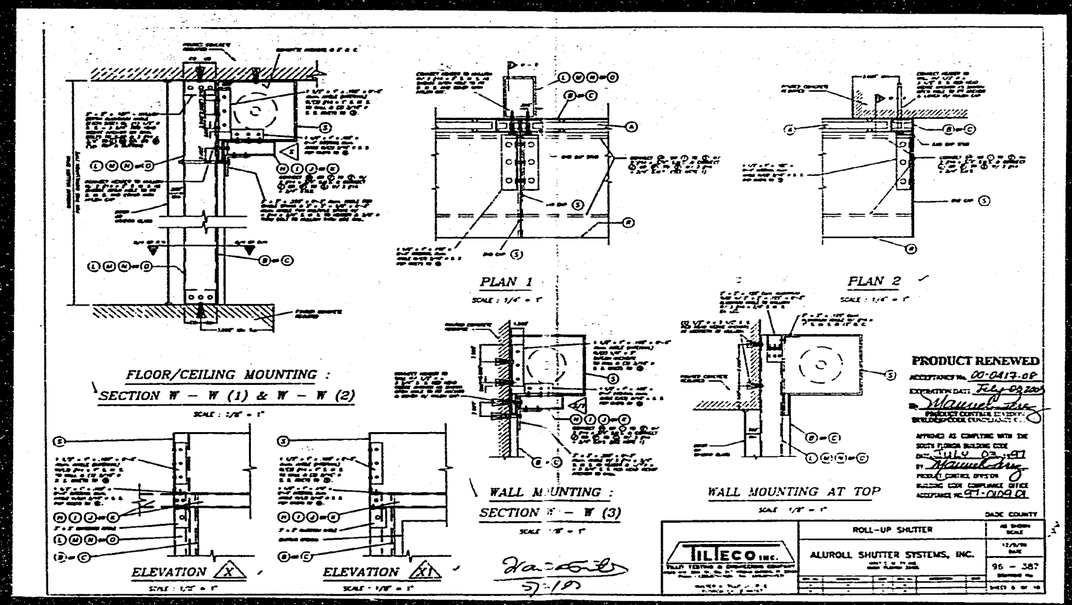
ROLL-UP SHUTTER

ALUROLL SHUTTER SYSTEMS, INC.

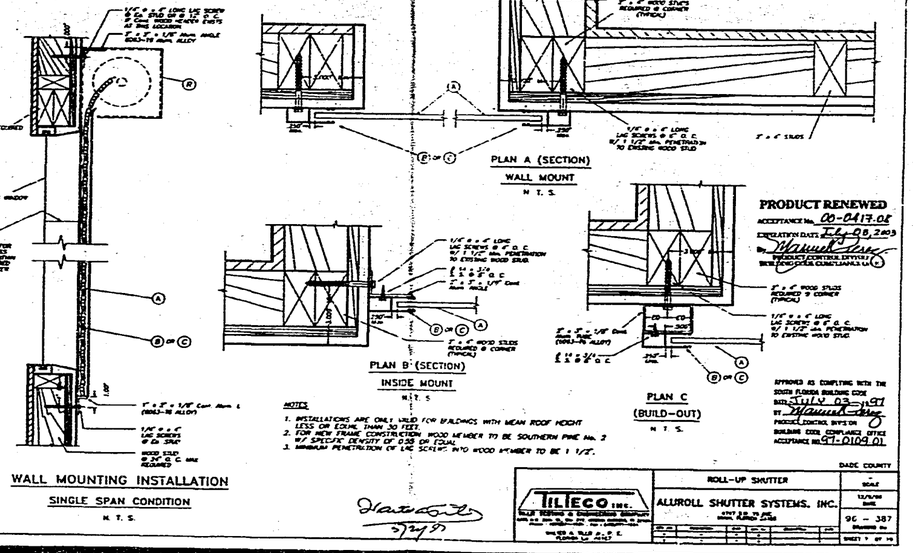
95 - 387

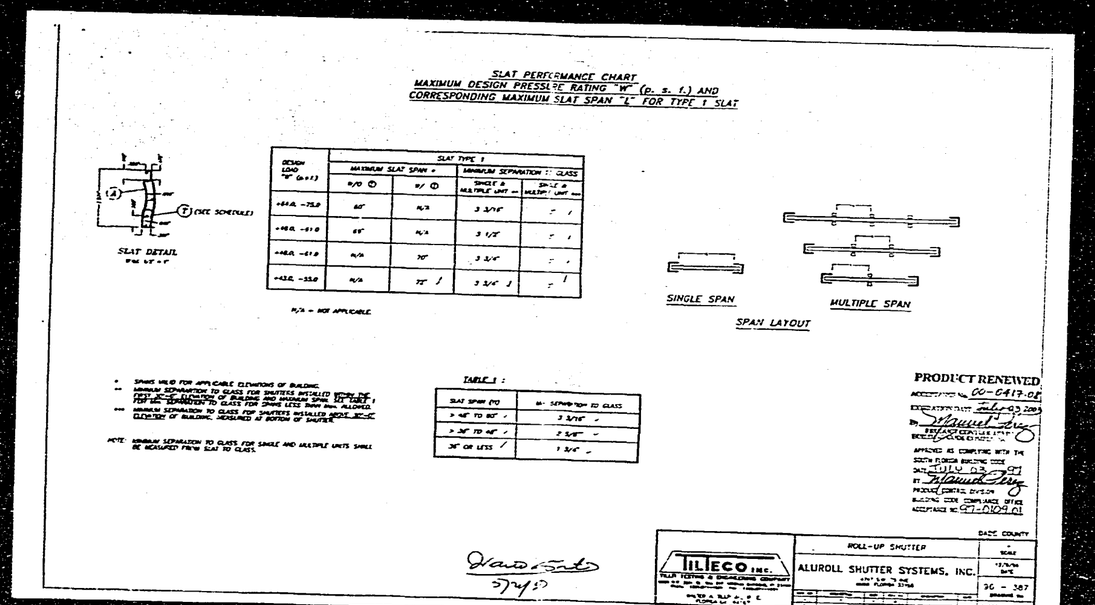
04


SECTION S – S
SECTION S1 – S1
SECTION S2 – S2
PRODUCT RENEWED
ACCEPTANCE No. 00-0413.08
EXPIRATION DATE: July-03-2005
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: JULY 03 2001
PRODUCT CONTROL EXAMINER
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 01-0109.01
DADE COUNTY
TILTECO INC.
ROLL-UP SHUTTER
ALUROLL SHUTTER SYSTEMS, INC.
96 - 387
WALL MOUNTING : SECTION V – V (1)
CEILING & FLOOR MOUNTING : SECTION V – V (2)


PLAN 1
PLAN 2
FLOOR/CEILING MOUNTING : SECTION W – W (1) & W – W (2)
ELEVATION X
ELEVATION X1
WALL MOUNTING : SECTION W – W (3)
WALL MOUNTING AT TOP
PRODUCT RENEWED
ACCEPTANCE No. 00-0413.08
EXPIRATION DATE: July-03-2005
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: JULY 03 2001
PRODUCT CONTROL EXAMINER
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 01-0109.01
DADE COUNTY
TILTECO INC.
ROLL-UP SHUTTER
ALUROLL SHUTTER SYSTEMS, INC.
96 - 387

04





DESIGN LOAD "W" (p.s.f.)	SLAT TYPE 1 MAXIMUM SLAT SPAN =		MINIMUM SEPARATION TO GLASS	
	M/O ①	M/ ①	SINGLE & MULTIPLE UNIT —	SINGLE & MULTIPLE UNIT —
+44.8, -75.0	60"	N/A	3 3/16"	"
+49.6, -61.0	65"	N/A	3 1/2"	"
+48.0, -61.0	N/A	70"	3 3/4"	"
+43.2, -55.0	N/A	75"	3 3/4"	"

SLAT SPAN (")	M= SEPARATION TO GLASS
> 48" TO 60"	3 3/16"
> 36" TO 48"	2 3/4"
36" OR LESS	1 3/4"

* SPANS VALID FOR APPLICABLE ELEVATIONS OF BUILDING.
** MINIMUM SEPARATION TO GLASS FOR SHUTTERS INSTALLED WITHIN FIRST 40 FEET FROM GROUND LEVEL OF BUILDING AND MINIMUM SPAN OF 120", FOR ALL OTHER SHUTTERS TO GLASS FOR SPANS LESS THAN 120" ALLOWED.
*** MINIMUM SEPARATION TO GLASS FOR SHUTTERS INSTALLED ABOVE 40'-0" ELEVATION OF BUILDING, MEASURED AT BOTTOM OF SHUTTER.

NOTE: MINIMUM SEPARATION TO GLASS FOR SINGLE AND MULTIPLE UNITS SHALL BE MEASURED FROM SLAT TO GLASS.

04

STORM BAR LOADING CHART

MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING MAXIMUM SPAN "L" FOR A GIVEN TYPE OF STORM BAR AND STORM BAR SPACING. (USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-88)

MAXIMUM DESIGN LOAD "W" (p.s.f.)	TYPE 1 STORM BAR P = 2.4 x .204	TYPE 2 STORM BAR P = 3.2 x .182	TYPE 3 STORM BAR P = 3.7 x .128 W/ INSERT	TYPE 4 STORM BAR P = 3.8 x .128 W/ INSERT
	STORM BAR SPACING *	STORM BAR SPACING *	STORM BAR SPACING *	STORM BAR SPACING *
15.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
20.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
25.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
30.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
35.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
40.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
45.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
50.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
55.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
60.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
65.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
70.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
75.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
80.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
85.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
90.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
95.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
100.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
105.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
110.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
115.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
120.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
125.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
130.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
135.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
140.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
145.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"
150.0	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"	24" 24" 24" 24"

* STORM BAR SPACING SHALL BE SUCH THAT MAXIMUM SLAT SPAN SHALL NOT BE EXCEEDED.

HEADER LOADING CHART

MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING MAXIMUM SPAN "L" (Ft.) FOR A GIVEN TYPE OF HEADER AND STORM BAR HEIGHT (Ft.) (USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-88)

MAXIMUM DESIGN LOAD "W" (p.s.f.)	TYPE 1 HEADER P = 1.7 x .107	TYPE 2 HEADER P = 1.7 x .107 W/ INSERT	TYPE 3 HEADER P = 2.7 x .107	TYPE 4 HEADER P = 2.7 x .107 W/ INSERT
	STORM BAR HEIGHT	STORM BAR HEIGHT	STORM BAR HEIGHT	STORM BAR HEIGHT
	6'-0" 7'-0" 8'-0" 9'-0"	6'-0" 7'-0" 8'-0" 9'-0"	6'-0" 7'-0" 8'-0" 9'-0"	6'-0" 7'-0" 8'-0" 9'-0"
15.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
20.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
25.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
30.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
35.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
40.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
45.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
50.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
55.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
60.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
65.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
70.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
75.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
80.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
85.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
90.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
95.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
100.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
105.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
110.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
115.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
120.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
125.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
130.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
135.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
140.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
145.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"
150.0	11'-0" 10'-4" 9'-9" 9'-3"	12'-3" 11'-6" 10'-10" 10'-3"	11'-3" 10'-7" 10'-0" 9'-6"	12'-3" 11'-6" 10'-10" 10'-3"

PRODUCT RENEWED
ACCEPTANCE No. 00-0417.08
EXPIRATION DATE July 03, 2003
By Manuel Perez
MANUFACTURER'S REPRESENTATIVE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE July 03 1991
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 91-0104.01

DADE COUNTY

TILLECO INC.
GULF TESTING & ENGINEERING CORPORATION
4747 S.W. 75 AVE. MIAMI, FLORIDA 33155
STATE OF FLORIDA C.A. # 6417

ROLL-UP SHUTTER
ALUROLL SHUTTER SYSTEMS, INC.
4747 S.W. 75 AVE. MIAMI, FLORIDA 33155

NO.	REVISIONS	BY	DATE
1	-	-	-
2	-	-	-

SCALE
12/6/91
DATE
96 - 387
DRAWING No.
SHEET 9 OF 10

Watson 9.7.9

MULLION LOADING CHART

MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING MAXIMUM SPAN "L" (Ft.) FOR A GIVEN TYPE OF MULLION AND MULLION SPACING. (USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-88)

MAXIMUM DESIGN LOAD "W" (p.s.f.)	TYPE 1 MULLION P = 2.7 x .107	TYPE 2 MULLION P = 2.7 x .107 W/ INSERT	TYPE 3 MULLION P = 2.7 x .205*	TYPE 4 MULLION P = 2.7 x .107 W/ INSERT
	MULLION SPACING	MULLION SPACING	MULLION SPACING	MULLION SPACING
	5'-00" 6'-00" 7'-00" 8'-00"	5'-00" 6'-00" 7'-00" 8'-00"	5'-00" 6'-00" 7'-00" 8'-00"	5'-00" 6'-00" 7'-00" 8'-00"
15.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
20.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
25.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
30.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
35.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
40.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
45.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
50.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
55.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
60.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
65.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
70.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
75.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
80.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
85.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
90.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
95.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
100.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
105.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
110.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
115.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
120.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
125.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
130.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
135.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
140.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
145.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"
150.0	8'-0" 7'-3" 6'-7" 6'-1"	8'-0" 7'-3" 6'-7" 6'-1"	10'-11" 9'-11" 9'-0" 8'-4"	10'-11" 9'-11" 9'-0" 8'-4"

MAXIMUM ANCHOR SPACING (in.) AT SIDE RAILS VERSUS EDGE DISTANCE = E. D.

MAXIMUM SIDE RAILS SPACINGS SHOWN ON SHEET 4 OF 10 ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2", REDUCE ANCHOR SPACING BY MULTIPLYING SPACINGS SHOWN ON THAT SHEET BY THE FOLLOWING FACTORS.

ACTUAL E. D.= EDGE DISTANCE	FACTOR
3 1/2"	1.0
3"	.86
2 1/2"	.71
2"	.50

PRODUCT RENEWED
ACCEPTANCE No. 00-0417.08
EXPIRATION DATE July 03, 2003
By Manuel Perez
MANUFACTURER'S REPRESENTATIVE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE July 03 1991
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 91-0104.01

DADE COUNTY

Watson 9.7.9

TILLECO INC.
GULF TESTING & ENGINEERING CORPORATION
4747 S.W. 75 AVE. MIAMI, FLORIDA 33155
STATE OF FLORIDA C.A. # 6417

ROLL-UP SHUTTER
ALUROLL SHUTTER SYSTEMS, INC.
4747 S.W. 75 AVE. MIAMI, FLORIDA 33155

NO.	REVISIONS	BY	DATE
1	-	-	-
2	-	-	-

SCALE
12/6/91
DATE
96 - 387
DRAWING No.
SHEET 10 OF 10

04

B03036639
184 S HIBISCUS
DR

04

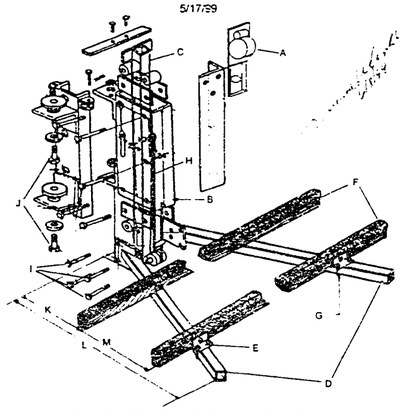
LASON

PERMIT #

B0401380

Tide Tamer Engineered Drawings

5/17/99



Capacity	Motor	Galv Housing	Galv Mast	Galv Arms	Bunk Angles	Bunks	U-Bolt	Cables	Arm Bolts	Swinger Bolts	Bunks Out	Arms Lenght	Bunk Spread
1000#	1/2 H.P.	4"x5"x 3/16" Tube	3"x3"x3/16" Tube	2"x2"x 1/4"Angle	2"x6" #5P.T.	3/8"	1/4"5 S 7x19	1/2"x5"	3/4"x3"	30"	60"	15"
1500#	3/4 H.P.	4"x5"x 3/16" Tube	3"x3"x 3/16" Tube	2"x2"x 1/4"Angle	2"x6" #5P.T.	3/8"	5/16" S.S. 7x19	5/8"x5"	3/4"x3"	36"	72"	20"

John H. Buscher, P.E.
Consulting Engineer

PE 841844 (Structural)

4404 SW 139th Court
Miami FL 33175
Tel: 305 554-9170

The following calculations for gravity loading are in accordance with the Florida Building Code 2001 Edition, and lessor standards.

A. Design Dock Gravity Loads

a. Dock Dead Loads

5.4 x 5.4 PE wood decking w_{deck} 5.0 psf

2 x 8 SAS joists at 16" o.c. w_{joist} 4.0 psf

w_{stair} 10.0 psf

Dock dead load

$w_{dock_dl} = w_{deck} + w_{joist} + w_{stair}$ w_{dock_dl} 20.0 psf

b. Dock Live Load w_{ll} 60.0 psf

c. Combined Dock dead and live load

$w_{dl_ll} = w_{dock_dl} + w_{ll}$ w_{dl_ll} 80.0 psf

A. Check 5.4 x 6 IPE Wood Decking

For a 12" wide deck board strip: w_{dl} 5.0 psf, L_{joist} 12.0 in, w_{ll} 60 psf, E 1,600,000 psi, I 12.0 in⁴. OK

B. Check 3 x 8 P.T. S Pine No. 2 or better joists

w_{dl_ll} 80.0 psf L_{joist} 12.0 ft

w_{joist} (w_{dl_ll} × 12) w_{joist} 120.0 plf

$R_1 = \frac{w_{joist} \cdot L_{joist}}{2}$ R_1 540.0 lb

$R_2 = \frac{w_{joist} \cdot L_{joist}}{2}$ R_2 540.0 lb

$M_{joist} = \frac{w_{joist} \cdot L_{joist}^2}{8}$ M_{joist} 1296.0 ft-lb

Check Joist Bending, Deflection & Shear

C_r 1.15 C_{m_fb} 1.0 C_{m_fc} 1.0

Moments M_{joist} 1296.0 ft-lb F_b 1000 psi F_v 90 psi

R_1 540.0 lb Stress $= \frac{M_{joist} \cdot 12}{F_b \cdot C_r \cdot C_{m_fb}}$ Area $= \frac{1.5 \cdot R_1}{F_v \cdot C_{m_fv}}$

Select 3 x 8 SAS Stress 12.95 psi Area 9.0 in²

Stress 21.9 psi Area 18.0 in²

Check Joist Shear Deflection

I_{prov} 47.6 in⁴ E_w 1,600,000 psi

$\Delta_{max} = \frac{5 \cdot w_{joist} \cdot (L_{joist} \cdot 12)^4}{384 \cdot E_w \cdot I_{prov}}$ Δ_{max} 0.16 in $\Delta_{allow} = \frac{L_{joist} \cdot 12}{360}$ 0.33 in OK

John H. Buscher, P.E.
Consulting Engineer

PE 841844 (Structural)

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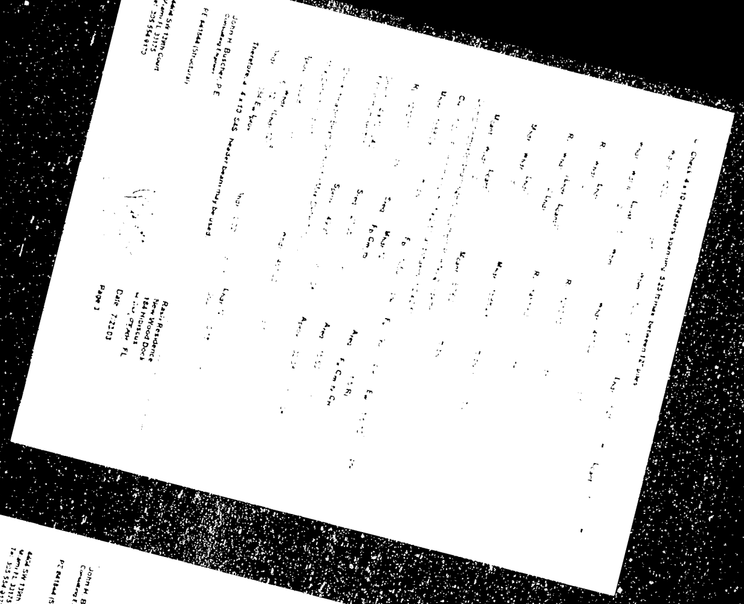
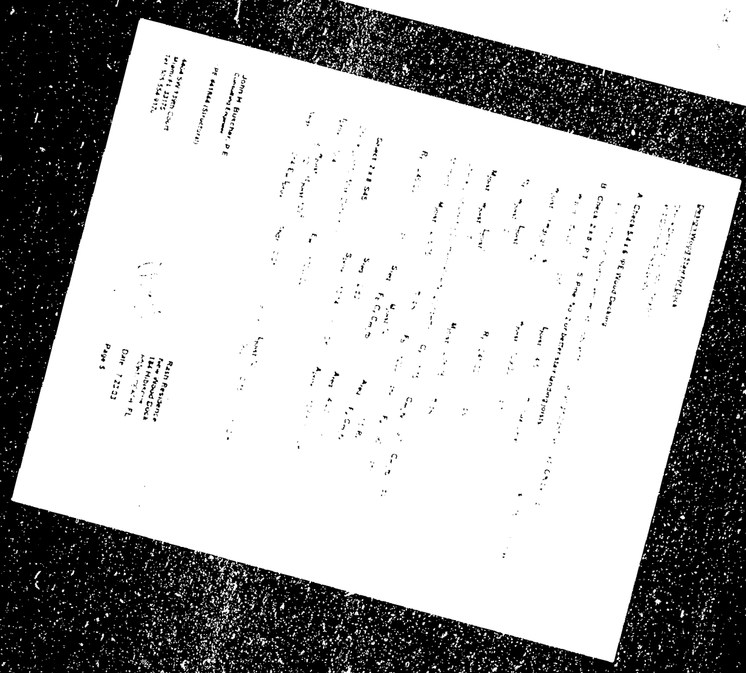
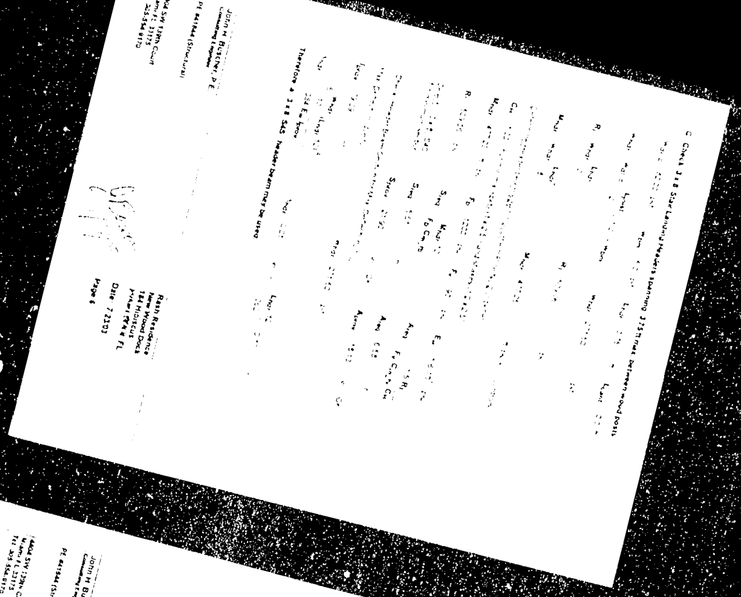
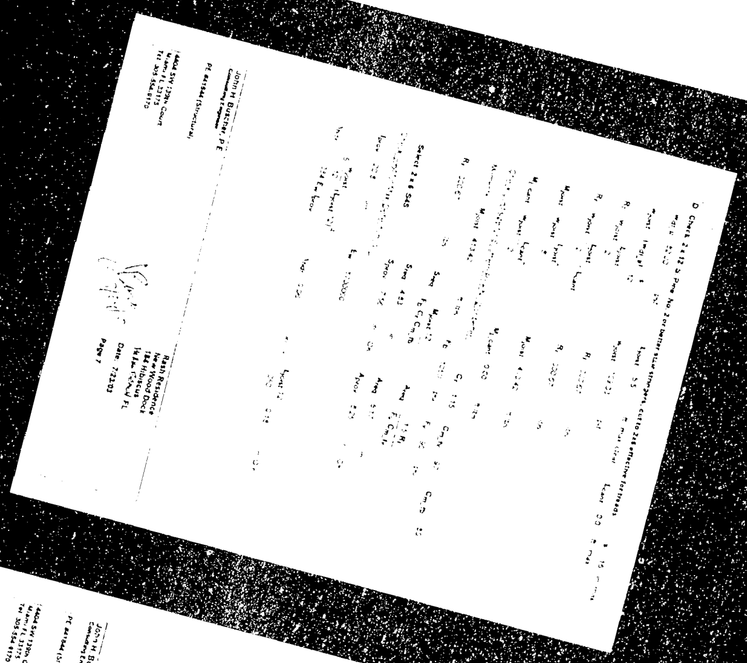
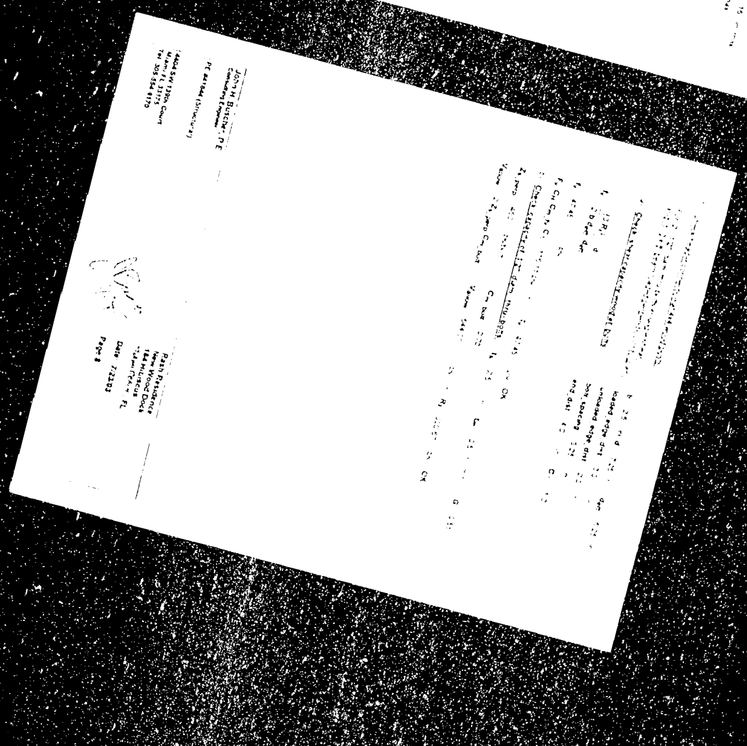
Miami FL 33175
Tel: 305 554-9170











E Check Guardrail with 2x6 horizontal cap component fastened to 2x6 vertical cap component with 10d galvanized nails at 12" o.c.

1. Check 2 x 6 P.T. S. Pine No. 2 Cap Rail Vertical Component (controls)

L_{cap} = 4.25 ft L_{post} = 3 ft s_max = load

moment: $M_{cap} = \frac{L_{cap}}{2}$

R_n = 115.75 lbs

R_n moment: $R_n = \frac{L_{cap}}{2}$

R_n = 115.75 lbs

R_n moment: $R_n = \frac{L_{cap}}{2}$

R_n = 115.75 lbs

$M_{cap} = \frac{L_{cap}^2}{8}$ = 148.03 ft-lbs

$M_{cap} = \frac{L_{cap}^2}{2}$

C_r = 1.0 C_{m_fv} = .97 C_{m_fb} = .85

F_b = 1200 psi F_v = 90 psi

$1.5\,R_n$

$M_{cap} = \frac{L_{cap}}{2}$

$S_{req} = \frac{F_b C_r C_{m_fb}}{}$

$A_{req} = \frac{F_v C_{m_fv}}{}$

R_n = 115.75 lbs

S_{req} = 1.55 in³ A_{prov} = 8.25 in² OK

S_{prov} = 7.56 in³ OK

Select 2 x 6 SAS

Check I_{min} for L/360 Deflection

E_w = 1,600,000

I_{prov} = 20.8 in⁴

$\Delta_{max} = \frac{5\,w_{load}\,(L_{post})^4}{384\,E_w\,I_{prov}}$

$I_{post} = \frac{}{}$ in⁴ OK

Δ_{max} = 0.04

John H. Buscher, P.E.
Consulting Engineer

PE #41944 (Structural)

6404 SW 139th Court
Miami FL 33175
Tel 305-554-9170

2. Check 4" x 4" wood posts spaced at 4.75 o.c. max

R_n = 115.75 lbs L_{post} = 3.625 ft s_max = load

R_n post = 2 R_n R_n post = 231.5 lbs

M_n post = R_n post L_{post} M_n post = 839.34 in-lbs

Determine if P.T. stringer is adequate to support post

C_m = .85 F_b = 1450 psi F_v = 165 psi E_w = 1,600,000 psi

M_n post = 1/2

$S_{req} = \frac{F_b C_m}{}$

$A_{req} = \frac{1.5\,R_n\,post}{F_v C_m}$

S_{req} = 0.57 in³ A_{req} = 1.54 in²

S_{prov} = 7.56 in³ A_{prov} = 12.25 in² OK

S_{prov} = 7.56 in³ A_{prov} = 12.25 in² OK

Use 4x4

Therefore a 4" x 4" S4S post may be used

Consider that the wood deck fastening also serves to restrain the outermost P.T stringer from being pushed outward by the rotation of the railing posts

The horizontal shear reaction acting on the P.T. stringer is:

$F_{w_stringer} = \frac{R_n\,post \cdot 12}{L_{post}}$ $F_{w_stringer}$ = 427.50 lb at 48" o.c. max

Each 2x6 deck board is fastened to each joist with (2) #8 x 2 1/2" S.S. wood screws.
For design, assume that #8 x 2 1/2" screws (1 each) is required to restrain the P.T. stringer.

Check capacity of #8 x 2 1/2" screws

L_s = 1.5 d_{sc} = .33 G = .55

Z_{s_perp} = 145 lbs/screw C_{m_screw} = 0.65

$V_{screw} \le Z_{s_perp} C_{m_bolt}$ V_{screw} = 427.50 lbs ≤ R_1 = 1000.67 lbs OK

John H. Buscher, P.E.
Consulting Engineer

PE #41944 (Structural)

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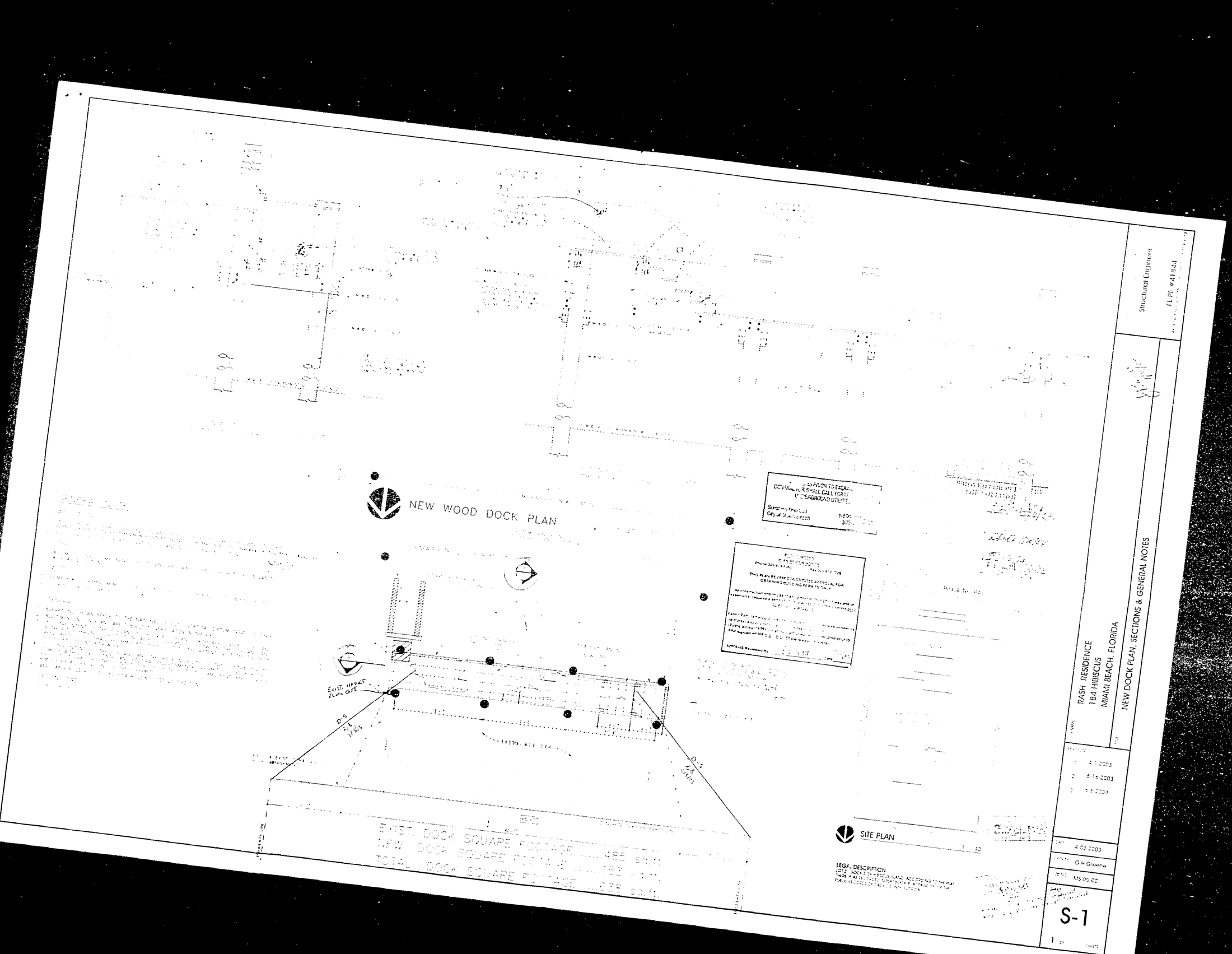
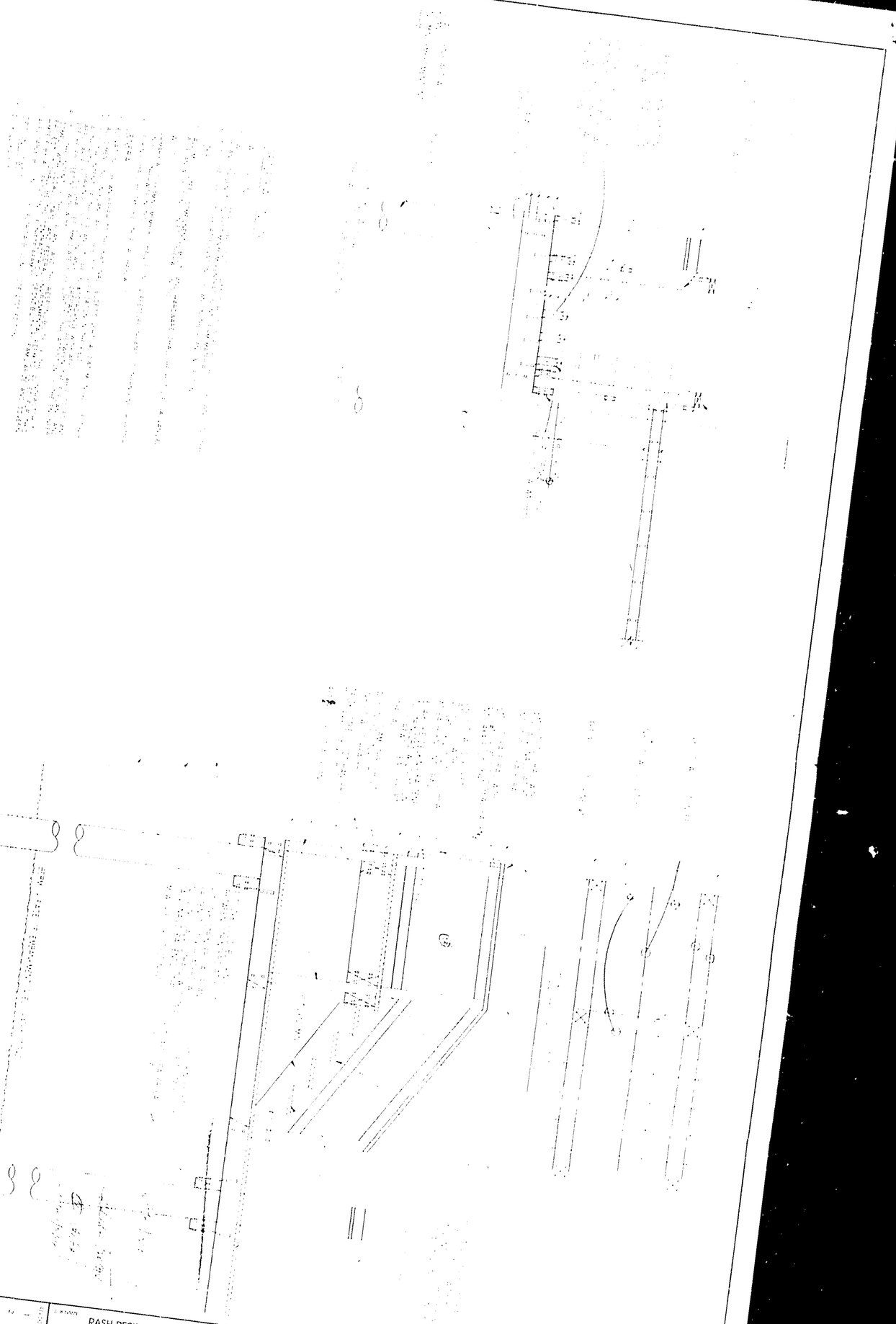
Tel 305-554-9170


NEW WOOD DOCK PLAN
SITE PLAN
1" = 40'
EXIST. DOCK SQUARE FOOTAGE
NEW DOCK SQUARE FOOTAGE
TOTAL DOCK SQUARE FOOTAGE
LEGAL DESCRIPTION
Structural Engineer
FL PE #41884
RASH RESIDENCE
184 HIBISCUS
MIAMI BEACH, FLORIDA
NEW DOCK PLAN, SECTIONS & GENERAL NOTES
4.1.2003
6.16.2003
6.03.2003
G.H.Gravante
MS 05 02
S-1



S-2

2

RASH RESIDENCE
184 HIBISCUS DRIVE
MIAMI BEACH, FLORIDA

SITE LOCATION, SITE & NEW DOCK, PLANS, SECTIONS & GENERAL NOTES

Structural Engineer

FL PE #41644

1 3-20-2003
2 3-22-2003
3 5-27-2003

DATE 3-18-2003

G.H.G/Steve

1/8" 12-2002

B0401380

184 S HIBISCUS DR.

CITY OF MIAMI BEACH
BUILDING DEPARTMENT

APPENDIX 11

1700 Convention Center Drive, 2nd Floor
Miami Beach, Florida 33139

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

SPECIAL INSPECTOR

DATE: 12/29/03

ATTENTION: Building Official

I, the undersigned, a Professional Engineer ✓, Registered Architect ___, registered in the State of Florida, have been retain by the owners: Steven Rosh of the property located at: 184 S Hibiscus Dr ___ to perform all the duties of a Special Inspector, as defined in Section 305.3 of the South Florida Building Code.

This office will be responsible to the Building Official of the City of Miami Beach for the inspection of the structural elements of the building, including all excavations, pilings, foundation, all reinforced concrete and structural steel, and will file written weekly reports for the same as to the progress, compliance or non-compliance with the plans and the South Florida Building Code. In the event of non-compliance the Building Official shall be notified immediately so that appropriate action can be taken. The pile logs and all concrete test reports will be submitted to the Building Official within one week after their completion.

All mandatory inspections, as required by the South Florida Building Code, **MUST** be performed by the City of Miami Beach when the special inspector is hired by the owner. The City building inspections must be called for on **ALL MANDATORY** inspections. Inspections performed by the special inspector hired by the owner are **IN ADDITION** to the mandatory inspections performed by the City.

Upon completion of the structure, I will submit to the City of Miami Beach a certificate of compliance with the South Florida Building Code and approved plans.

ENGINEER/ARCHITECT SIGNATURE & SEAL: John H Boscher

ENGINEER/ARCHITECT (PRINTED): JOHN Boscher

LICENSE NUMBER: FLPE 41849

CONTACT PHONE NUMBER: 305 554 9070

BUILDING PERMIT NUMBER: B0401380

OWNER/AGENT SIGNATURE: [signature]

OWNER/AGENT (PRINTED): Steven Rosh

BUILDING DEPARTMENT, ACCEPTED BY: SMA 1/13/04

DATE: ___

PILING

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 UNDER THE FLORIDA BUILDING CODE

I have been retained by: Bonnell Foundations, Inc. to perform special inspector services under the Florida Building Code at the 184 S Hibiscus Dr. project on the below listed structures as of 08/24/2011 (date). I am a professional engineer licensed in the State of Florida.

Process Number: B1104931 **Master Permit (IF APPLICABLE):** _____

- ● Special Inspector for Pilings, FBC 1822.1.20
- ○ Special Inspector for Lightweight Insulating Concrete, FBC 1917.2
- ○ Special Inspector for Soil Compaction, FBC 1820.3.1
- ○ Special Inspector for Precast Units and Attachments, FBC 1927.12.2 (By P.E. or R.A..)
- ○ Special Inspector for Reinforced Masonry, FBC 2122.4 (By P.E or R.A)
- ○ Special inspection for Steel Bolted & Welded Connections, FBC 2218.2 (By P.E. or R.A..)
- ○ Special Inspector for Trusses over 35 feet long or 6 feet high, FBC 2319.17.2.4.2 (By P.E. or R. A..)
- ○ Special Inspector for _____

NOTE: Only the marked boxes apply.

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

1. Denis K. Solano
2. N/A
3. N/A
4. N/A

* 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.

Signed and Sealed
P.E#:56902 SI#:2046
License Number
Date: 08/24/2011

Architect/Engineer Signature: _____
Architect/Engineer Name Printed: Denis K. Solano
Address: 7500 NW 25th St. #205 Miami, FL. 33122
Phone Number: (305) 592-9396
Owner/Agent Signature: _____
Owner/Agent Name Printed: Lilly Ramirez
Building Department Accepted By: _____ 8/26/11

B1104931

SolVer Structural Partnership, Inc.

Consulting Structural Engineers
Design • Inspections • Investigation • Reports

November 13, 2012

City of Miami Beach
Building Department
1700 Convention Center Drive
Miami Beach, Florida

Re: **184 S. Hibiscus**
Miami Beach, Florida
Permit #: B1104931

Building Official:

This letter is to inform you that this office reviewed your comments pertaining to the stringer alteration from 16"o.c. to 19"o.c. and the decking board alteration from 5x4 to 1x6.
We found that these alterations do not affect the integrity of the structural design.

Should you have any questions please feel free to contact me at the above number.

Kind Regards,

DENIS K. SOLANO
LICENSE
No. 56902
STATE OF FLORIDA
PROFESSIONAL ENGINEER

11/13/12

Denis K. Solano, P.E. #: 56902, S.I. #: 2046
President
Solver Structural Partnership, Inc.
7500 NW 25th Street, Suite 205
Miami, Fl. 33122
(305) 592-9396 Phone
(305) 599-9347 Fax
www.solversp.com

B1104931

Denis K. Solano 09/20/12
P.E #: 56902

Bunnell Foundation, Inc.

12" concrete Piles.

Pile Driving Log

Project Name: 184 Hibiscus. **Hammer:** 4000# **Date:** 9/14/12

Address: Miami Beach. **Location:**

Pile No.:	1	Pile No.:	2	Pile No.:	3	Pile No.:	4
Pile Size:	12"	Pile Size:	12"	Pile Size:	12"	Pile Size:	12"
Pile Lengt	28'	Pile Lengt	28'	Pile Lengt	28'	Pile Lengt	28'

Depth	Blows / Ft.	Depth	Blows / Ft.	Depth	Blows / Ft.	Depth	Blows / Ft.
1		1		1		1	
2		2		2		2	
3		3		3		3	
4	WATER	4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
11		11		11		11	
12	Bunnell Hole	12		12		12	
13		13		13		13	
14	6	14	5	14	4	14	5
15	6	15	5	15	5	15	7
16	7	16	4	16	6	16	10
17	10	17	10	17	7	17	12
18	15	18	15	18	10	18	13
19	18	19	15	19	10	19	14
20	28	20	18	20	10	20	15
21	25	21	24	21	18	21	18
22	24	22	26	22	20	22	25
23	25	23	28	23	21	23	28
24	28	24	30	24	24	24	28
25	30	25	31	25	28	25	29
26	31	26	32	26	30	26	32
27	31	27		27	32	27	34
28		28		28		28	
29		29		29		29	
30		30		30		30	
31		31		31		31	
32		32		32		32	
33		33		33		33	
34		34		34		34	
35		35		35		35	
36		36		36		36	

Denis K. Solano 09/20/12
P.E #: 56902

Bunnell Foundation, Inc. WOOD Piles.

Pile Driving Log

Project Name: 184 HIBISCUS **Hammer:** 4000# **Date:** 9/20/12

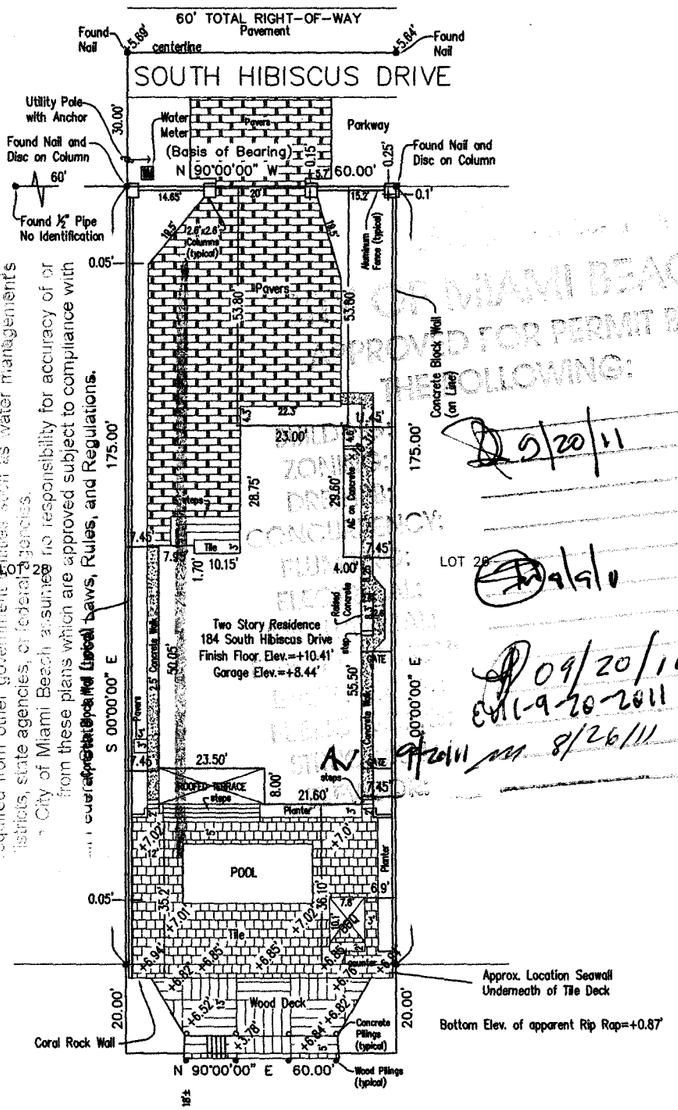
Address: Miami FLA. **Location:**

Pile No.: 5	Pile No.: 6	Pile No.: 7	Pile No.:
Pile Size: WOOD 12" ⌀	Pile Size: WOOD 12"	Pile Size: WOOD 12"	Pile Size:
Pile Lengt 25'	Pile Lengt 25'	Pile Lengt 25'	Pile Lengt

Depth	Blows / Ft.	Depth	Blows / Ft.	Depth	Blows / Ft.	Depth	Blows / Ft.
1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6	WATER	6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
11		11		11		11	
12	Punched hole	12		12		12	
13		13		13		13	
14	3	14	2	14	2	14	
15	3	15	1	15	2	15	
16	15	16	3	16	3	16	
17	15	17	4	17	9	17	
18	20	18	9	18	15	18	
19	20	19	15	19	19	19	
20	26	20	20	20	20	20	
21	27	21	20	21	21	21	
22	29	22	20	22	21	22	
23	30	23	21	23	22	23	
24	30	24	24	24	25	24	
25		25	25	25	26	25	
26		26		26		26	
27		27		27		27	
28		28		28		28	
29		29		29		29	
30		30		30		30	
31		31		31		31	
32		32		32		32	
33		33		33		33	
34		34		34		34	
35		35		35		35	
36		36		36		36	

B11D4931

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



EXISTING SITE PLAN
SCALE:1"=20'

LEGAL DESCRIPTION: Lot 27, Block 3, HIBISCUS ISLAND, according to the Plat thereof, as recorded in Plat Book 8, Page 75, of the Public Records of Miami-Dade County, Florida, together with a Twenty (20) foot strip of land contiguos to the Southwesterly boundary line of said Lot 27, lying between the Southwesterly extensions of the Northwesterly boundary line and the Southwesterly line of said Lot 27, Miami-Dade County, Florida.

SURVEY FOR: TRAINNAS, LLC
184 S. HIBISCUS DRIVE
MIAMI BEACH, FLORIDA 33139

I HEREBY CERTIFY: That the SKETCH OF SURVEY of the above captioned property was completed under my supervision and/or direction, to the best of my knowledge and belief. This survey meets or exceeds the Minimum Technical Standards set forth by the Florida Board of Land Surveyors in Chapter 5J-17 Florida Administrative Code. Pursuant to Section 472.027, Florida Statutes.

DELTA SURVEYORS, INC.

DELTA SURVEYORS, INC.
13052 SW 133RD COURT
MIAMI, FLORIDA 33186

WALDO F. PAEZ DATE SIGNED:
PROFESSIONAL SURVEYOR AND MAPPER
NO. 3284
STATE OF FLORIDA

CERTIFICATE OF AUTHORIZATION
L.B. NO. 3386
STATE OF FLORIDA

305-253-0909
FAX: 305-253-0933

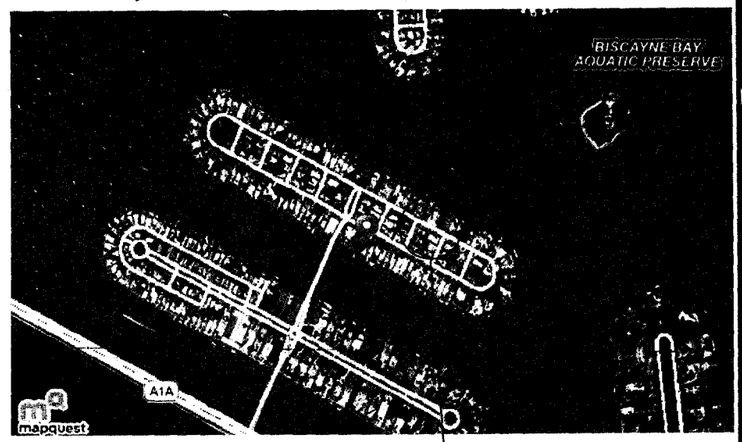
1)FLOOD ZONE: AE BASE: +10.0' PANEL NO. 12086C0316 L
COMMUNITY NO. 120651 DATE OF MAP: 9-11-09
2)THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY
3)EXAMINATION OF ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING PROPERTY
4) THIS CERTIFICATION IS ONLY FOR THE LANDS AS DESCRIBED, IT IS NOT A CERTIFICATION OF TITLE, ZONING, EASEMENTS, OR FREEEDOM OF ENCUMBRANCES. ABSTRACT NOT REVIEWED
5)LOCATION AND IDENTIFICATION OF UTILITIES, IF ANY ARE SHOWN IN ACCORDANCE WITH RECORDED PLAT
6)OWNERSHIP IS SUBJECT TO OPINION OF TITLE
7)TYPE OF SURVEY: BOUNDARY SURVEY
8)THE HEREIN CAPTIONED PROPERTY WAS SURVEYED AND DESCRIBED BASED ON THE SHOWN LEGAL DESCRIPTION: PROVIDED BY CLIENT
9)SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID AND FOR REFERENCE ONLY, UNLESS SIGNED AND SEALED WITH THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER
10)THIS PLAN OF SURVEY, HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON. THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTIES
11)UNDERGROUND UTILITIES ARE NOT DEPICTED HEREON, CONTACT THE APPROPRIATE AUTHORITY PRIOR TO ANY DESIGN WORK OR CONSTRUCTION ON THE PROPERTY HEREIN DESCRIBED. SURVEYOR SHALL BE NOTIFIED AS TO ANY DEVIATION FROM UTILITIES SHOWN HEREON.
12)THE SURVEYOR OF RECORD DOES NOT DETERMINE OWNERSHIP OF FENCES. MEASUREMENTS SHOWN HEREON DEPICT PHYSICAL LOCATION OF FENCE
13)ACCURACY: THE EXPECTED USE OF LAND AS CLASSIFIED IN THE MINIMUM TECHNICAL STANDARDS (5J-17 FAC), IS "SURBURBAN" . THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THE TYPE OF BOUNDARY SURVEY IS 1 FOOT IN 7500 FEET. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THIS REQUIREMENT
14)IN SOME INSTANCES, GRAPHIC REPRESENTATIONS HAVE BEEN EXAGGERATED TO MORE CLEARLY ILLUSTRATE RELATIONSHIPS BETWEEN PHYSICAL IMPROVEMENTS AND/OR LOT LINES. IN ALL CASES, DIMENSIONS SHOWN SHALL CONTROL THE LOCATION OF THE IMPROVEMENTS OVER SCALED POSITIONS.
15)NO ATTEMPT HAS BEEN MADE TO LOCATE ANY FOUNDATION BENEATH THE SURFACE OF THE GROUND.
16)CONTACT THE APPROPRIATE AUTHORITY PRIOR TO ANY DESIGN WORK ON THE HEREIN DESCRIBED PARCEL FOR BUILDING AND ZONING INFORMATION.
17) ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES

IF ELEVATIONS ARE SHOWN, THEY ARE BASED ON A CLOSED LEVEL LOOP USING THIRD ORDER PROCEDURE AND ARE RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
0.0 DENOTES EXISTING ELEVATION
ELEVATION REFERS TO THE NATIONAL GEODETIC VERTICAL DATUM OF MEAN SEA LEVEL OF 1929
BENCHMARK: KYLE ELEVATION: +4.30'
LOCATOR INDEX: 4240 SW

BEARINGS HEREON ARE REFERRED TO AN ASSUMED VALUE OF N 90 00'00"W FOR THE SOUTH RIGHT OF WAY LINE OF SOUTH HIBISCUS DRIVE

FIELD SURVEY DATE: 3-14-11 SCALE: 1' = 20' DRAWN BY: M.A.B.
DRAWING DATE: 3-15-11 FB: SKETCH DRAWING NO.: 11-0147

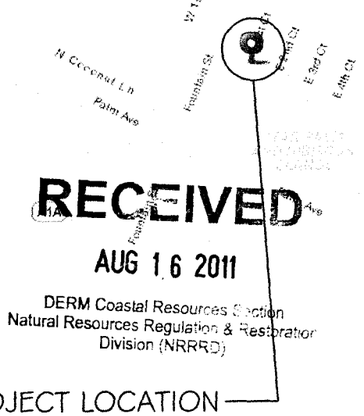
48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080



PROJECT LOCATION
AERIAL MAP
N.T.S.

RECEIVED
AUG 16 2011
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

2011-CLI-PER-00
DERM COASTAL SECTION
PRELIMINARY APPROVAL
NAME
DATE 08/16/2011



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AUG 16 2011
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

PROJECT LOCATION
LOCATION MAP
N.T.S.

07/26/11
Denis K. Solano
P.E. 56902
S.I. 2046
C.O.A. 00009095

revisions:

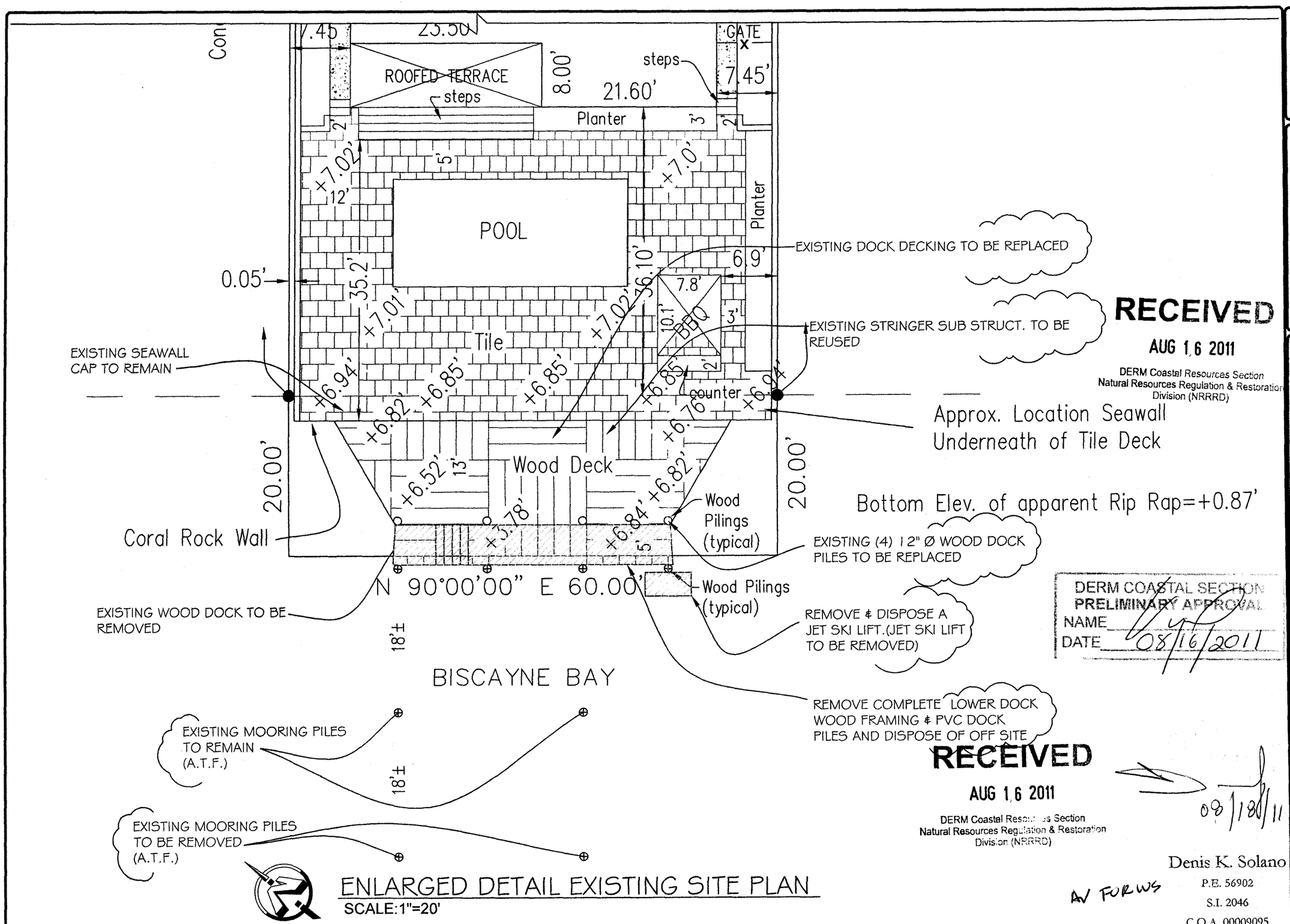
CONSULTANTS:
Selvie Structural Partnership, Inc.
7900 N.W. 25th St. Ste 205 Phone:(305) 592-9396
Miami, Florida 33122 Fax: (305) 599-9347
E-Mail: solvestruct@bellsouth.net
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: NEW WOOD DOCK
184 S. HIBISCUS DRIVE
MIAMI BEACH, FL 33139

title: EXISTING SITE PLAN

date 07-29-11
issued
drawn I.G.B.
checked D.K.S.
project no.

sheet no.
S-1
1 of 6



ENLARGED DETAIL EXISTING SITE PLAN

SCALE:1"=20'

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Division (NRRRD)

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Division (NRRRD)

08/18/11

AV FURWS

Denis K. Solano
P.E. 56902
S.I. 2046
C.O.A. 00009095

revisions:

CONSULTANTS:
Solano Structural Partnership, Inc.
7500N.W.25thST Ste 205 Phone:(305) 592-9396
Miami, Florida 33122 Fax: (305) 599-9347
E-Mail: solanostruct@bellsouth.net
DESIGN - INSPECTION - INVESTIGATION - REPORTS

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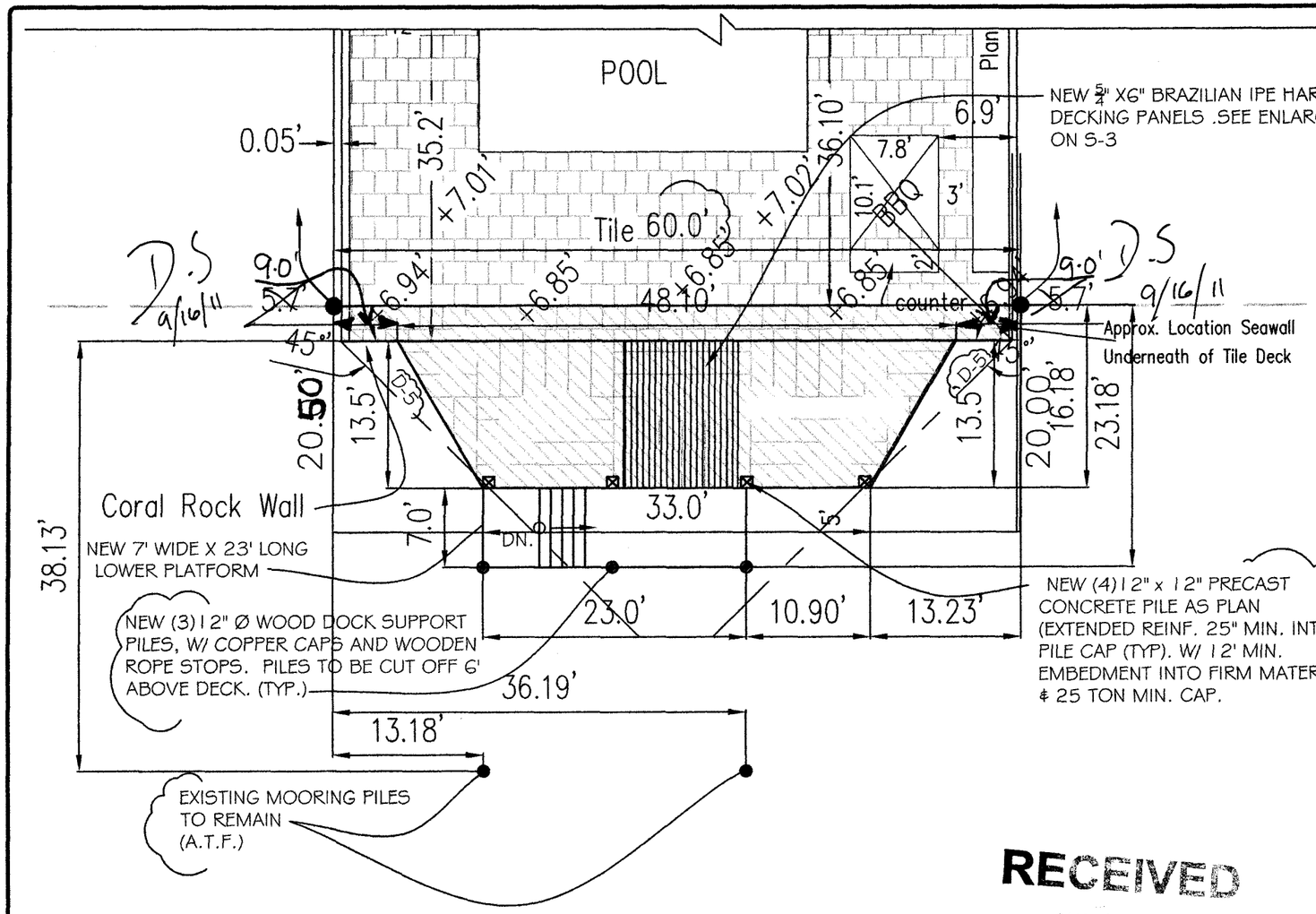
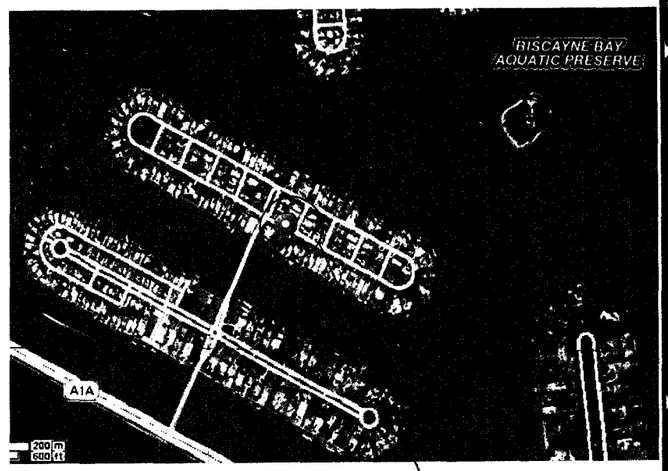
S1A
2 of 7



BISCAYNE BAY

PROPOSED SITE PLAN
SCALE:1"=20'



PROJECT LOCATION

AERIAL MAP
N.T.S.

DERM COASTAL SECTION
PRELIMINARY APPROVAL
NAME
DATE 08/29/11

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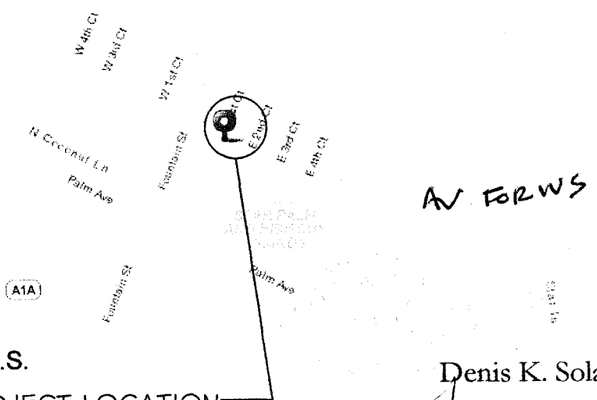
Division (NRRRD)

BISCAYNE BAY
AQUATIC PRESERVE



N.T.S.
PROJECT LOCATION

LOCATION MAP

AV FORMS

Denis K. Solano
P.E. 56902
S.I. 2046
C.O.A. 00009095
8-29-11

revisions:

CONSULTANTS:
Solver Structural Partnership, Inc.
7900 N.W. 25th ST Ste 205 Phone:(305) 592-9396
Miami, Florida 33122 Fax:(305) 592-9347
E-Mail: solverstruct@bellsouth.com
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: NEW WOOD DOCK
184 S. HIBISCUS DRIVE
MIAMI BEACH, FL 33139

title: PROPOSED SITE PLAN

date 07-29-11
issued
drawn I.G.P.
checked D.K.S.
project no.

sheet no.
S-2
3 of 7

DERM COASTAL SECTION
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NAME
DATE 08/16/2011

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P.T. 3"x 10" STRINGERS @ 16" O.C. (MAX.) FASTENED TO HEADERS W/ 14" GALV. HURR. STRAPS (USP RT 16 STRAP, UPLIFT CAP. 905#, W/ 5-16d GALV. NAILS EA. END (TYP)

REMOVE EXISTING DOCK DECKING AND REPLACE W/ NEW 2X6 MARINE DECKING PANELS ATTACHED W/2-16d S.S. NAILS EA. END

5/4" x 6" BRAZILIAN IPE HARDWOOD DECKING FASTENED TO STRINGERS W/ 2-1/4" Ø S.S. HARDWOOD SCREWS @ E.A.SUPPORT

13'-5"

EXISTING 3" X 10" P.T. WOOD STRINGERS TO BE RE-INSTALLED ONCE THE NEW PILES & HEADERS ARE IN PLACE.

COPPER CAP (TYP.)

EL. +6.82' N.G.V.D.
T.O. SEAWALL / WOODDOCK

6"

7'-0"

6'-0"

NEW 12" Ø WOOD DOCK SUPPORT PILE. (TYP.) W/ 12' MIN PENETRATION INTO FIRM MATERIAL.

EXISTING CONCRETE SEAWALL PILE CAP TO REMAIN.

NEW 3"x10" P.T. WOOD HEADERS

3" 3" 4"

(2) 5/4" X 6" IPE FASCIA TYP.

+3.78' N.G.V.D.
T.O.DOCK

2-3/4" Ø SS. THROUGH-BOLTS W/ WASHERS (TYP)

4 1/2" 13" 4 1/2"

2-3/4" Ø SS. THROUGH-BOLTS W/ WASHERS (TYP)

℄ PILE THROUGH-BOLTS & EDGE OF DOCK.

NEW 4"x12" P.T. WOOD HEADERS

EXISTING 12" Ø WOOD DOCK PILES TO REMAIN

M.H.W. EL +1'-6" N.G.V.D.

MLW EL -0'-6" N.G.V.D.

BERM (-5'-0")

AV FOR WS

NEW 12"X12" PRECAST CONCRETE PILE AS PLAN W/ 12' MIN. EMB. INTO FIRM MATERIAL & 25 TON MIN. CAP.

EL:-12'-0" BELOW BAY BOTTOM MIN.

SECTION 1
SCALE: 1/4"=1'-0"

S-5

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Division (NRRRD)

08/18/11

Denis K. Solano
P.E. 56902
S.I. 2046
C.O.A. 00009095

revisions:

CONSULTANTS:
Solver Structural Partnership, Inc.
7500 N.W. 25th St. Ste 205
Miami, Florida 33122
Phone:(305) 592-9396
Fax: (305) 599-9347
E-Mail: solverstruct@bellsouth.net
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: NEW WOOD DOCK
184 S. HIBISCUS DRIVE
MIAMI BEACH, FL 33139

title: SECTION

date 07-29-11
issued
drawn I.G.B.
checked D.K.S.
project no.

sheet no.
S-5
6 of 7

GENERAL NOTES

CONCRETE AND REINFORCING STEEL

1. ALL CONCRETE (EXCEPT PRECAST PILES) SHALL ATTAIN A MIN. COMPRESSIVE STRENGTH OF 5000 P.S.I. AT THE END OF 28 DAYS. FOUR (4) CONCRETE CYLINDERS SHALL BE TAKEN FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF AND SHALL BE TESTED AT 3, 7 & 28 DAYS. SLUMP SHALL NOT EXCEED 4" (±1").

2. ALL REINFORCEMENT SHALL BE 60.000 P.S.I. MINIMUM YIELD NEW BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60. ALL BAR LAPS SHALL BE A MINIMUM OF 36 BAR DIAMETERS. PLACING OF REINFORCEMENT SHALL CONFORM TO THE LATEST ACI CODE AND MANUAL OF STANDARD PRACTICE.

3. ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES FROM BATCH TIME, AND VIBRATED AS REQUIRED BY THE ACI MANUAL OF CONCRETE PRACTICE. TEMPERATURE OF CONCRETE AT TIME OF PLACEMENT SHALL BE BETWEEN 75° AND 100° F.

4. ALL CONCRETE DECK SURFACES SHALL HAVE A LIGHT BROOM FINISH.

5. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4", OR AS SHOWN ON THE PLANS.

PRECAST CONCRETE PILING

1. PRECAST CONCRETE DOCK PILES SHALL BE 12" x 12" PILES W/5000 P.S.I. MIN. CONCRETE & 4-7/16"□ 270 K.S.I. ASTM A416 LOW-LAX STRANDS W/ 21/2" MIN. CONCRETE COVER TO TIES. DRIVEN TO A MINIMUM BEARING CAPACITY OF 25 TONS WITH 12' MIN. PENETRATION INTO FIRM MATERIAL BELOW SILT LAYER.

NOTE: PILE DRIVING LOG TO BE KEPT FOR EACH DRIVEN PILE. (FBC 1822.1.20). E.O.R. & CONTRACTOR TO VERIFY THAT AT LEAST 32 HAMMER BLOWS (4500 # MIN. HAMMERLENGHT & 4 FT DROP) ARE NEEDED FOR THE LAST FOOT OF PILE PENETRATION.

2. PILES SHALL BE CUT OFF ATR ELEVATIONS SHOWN ON THE PLANS & SECTIONS.

MISCELLANEOUS

1. FASTENERS EMBEDDED INTO DOCK STRUCTURE SHALL BE ANCHORED WITH TWO PARTY EPOXY ADHESIVE ("RAWL" CHEM-FAST CARTRIDGE SYSTEM OR EQUAL). ANCHOR HOLES SHALL BE DRILLED TO 1/8" GREATER THAN THE SPECIFIED FASTENER. HOLES HOLES SHALL BE DRILLED TO MINIMUM DEPTH SHOWN ON THE PLANS, AND SHALL BE THOROUGHLY CLEANED OUT AND DRY PRIOR TO INJECTION OF EPOXY.

GENERAL

ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 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 AF THESE PERMITS.

APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 2007 EDITION.

WOOD

1. PRIMARY WOOD FRAMING MEMBERS SHALL BE NO. 2 PRESSURE TREATED SOUTHERN PINE OR BETTER. (FB= 1050 PSI MINIMUN).
2. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATON IN THE FIELD.
3. 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 INMEDIATELY BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH WORK.
4. IT IS THE INTENT OF THESE PLANS AND THE REPONSABILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE AND FEDERAL ENVIROMENTAL PERMITS ISSUED FOR THIS PROYECT. IT SHALL BE THE CONTRACTORS RESPONSABILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
5. APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 2007 EDITION.

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AUG 16 2011
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRD)

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DERM COASTAL SECTION
PRELIMINARY APPROVAL
NAME
DATE 08/16/2011

07/26/11
Denis K. Solano
P.E. 56902
S.I. 2046
C.O.A. 00009095

revisions:

CONSULTANTS:
Solher Structural Partnership, Inc.
7500 N.W. 25th ST Ste 205 Miami, Florida 33122
Phone:(305) 592-9396
Fax: (305) 599-9347
E-Mail: solverstruct@bellsouth.net
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: NEW WOOD DOCK
184 S. HIBISCUS DRIVE
MIAMI BEACH, FL 33139

title: STRUCTURAL NOTES

date 07-29-11
issued
drawn I.G.B.
checked D.K.S.
project no.

sheet no.
S-4
6 of 6

PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

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

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

Approved/Reviewed By: EWL 9-20-2011 Date:

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:
ZONING: D 9/20/11
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL: EW 9/9/11
MECHANICAL:
FIRE PREVENTION:
ENVIRONMENTAL: D 09/20/11
PUBLIC WORKS: EWL - 09-20-2011
STRUCTURAL: ~~AM 8/26/11~~ AM 9/20/11
ELEVATOR:

RECEIVED
SEP 23 2011
PLANNING DEPARTMENT

RECEIVED
SEP 23 2011
PLANNING DEPARTMENT

NEXT

PROfessional Microfilm SErvices, Inc.
Miami, Florida

FILE

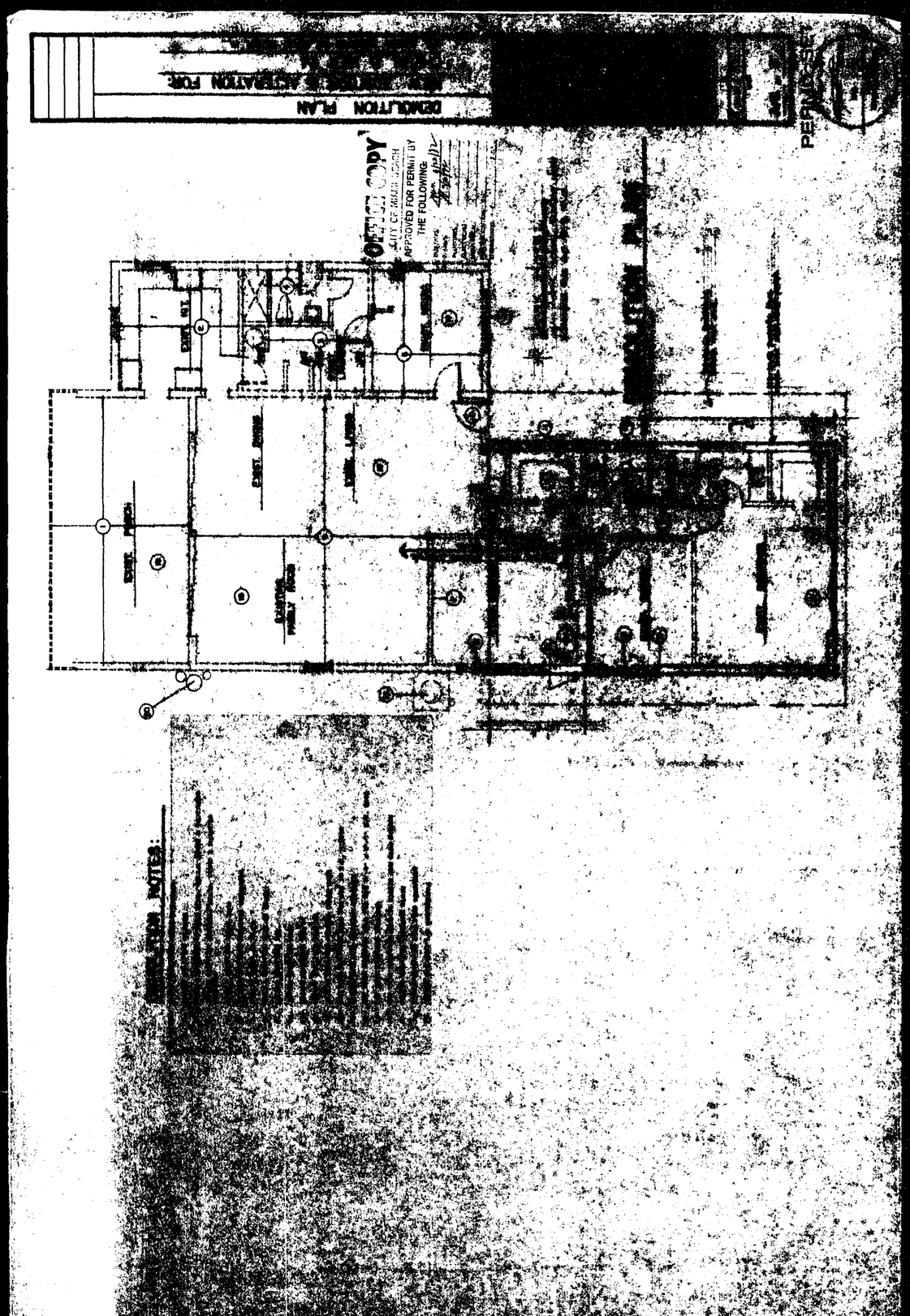
THIS IS TO CERTIFY THAT PROFESSIONAL MICROFILM SERVICE, INC. PRESENTS THE FOLLOWING IMAGES AS AN ACCURATE AND COMPLETE MICROFILM COPY OF THE ORIGINAL BUSINESS FILES AS EDITED BY THE INSTITUTION INSTRUCTIONS.

PERMIT

26

000318

B7-200-4X



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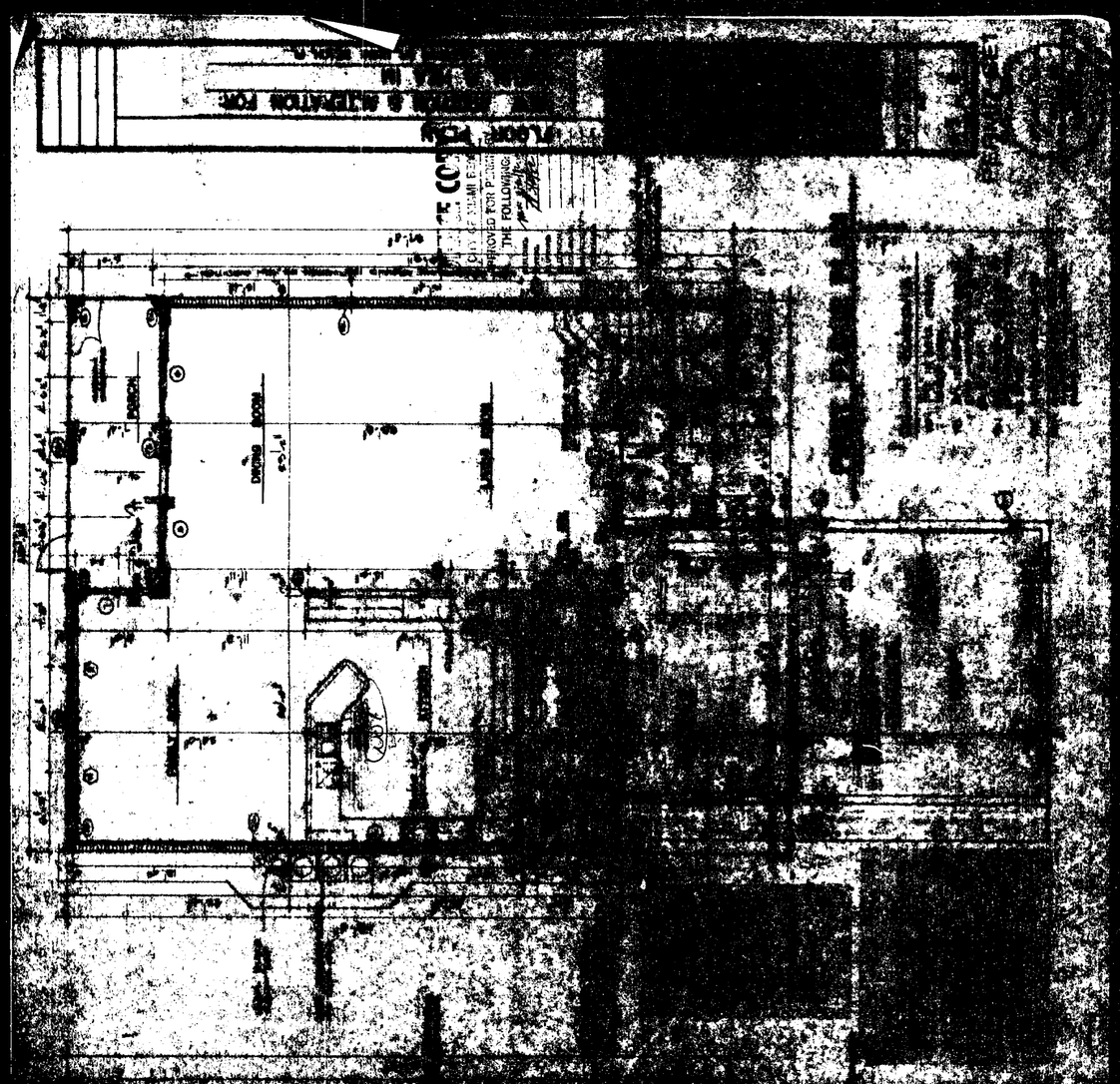

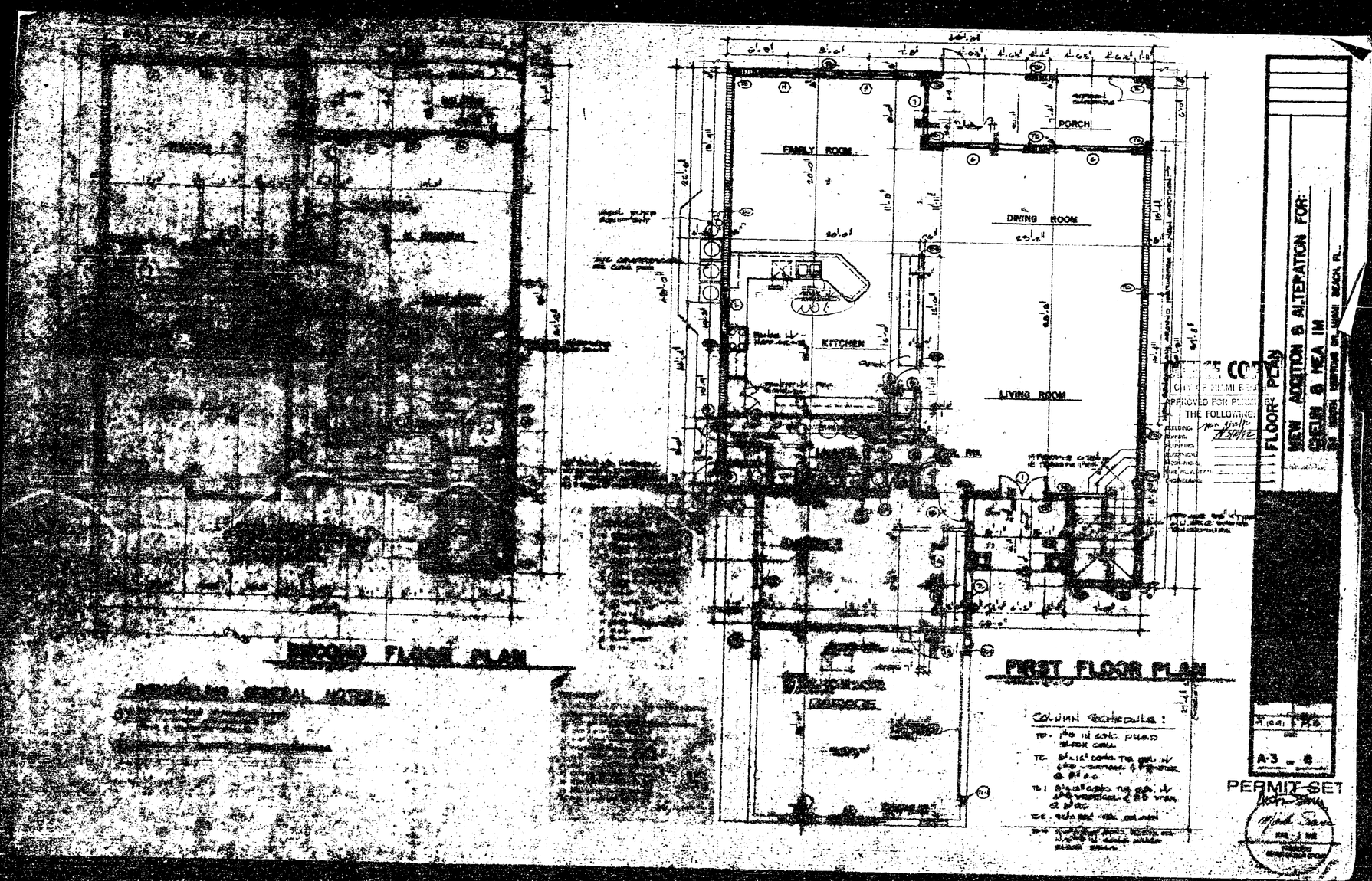

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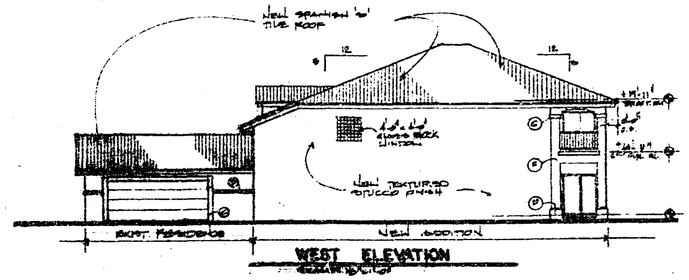

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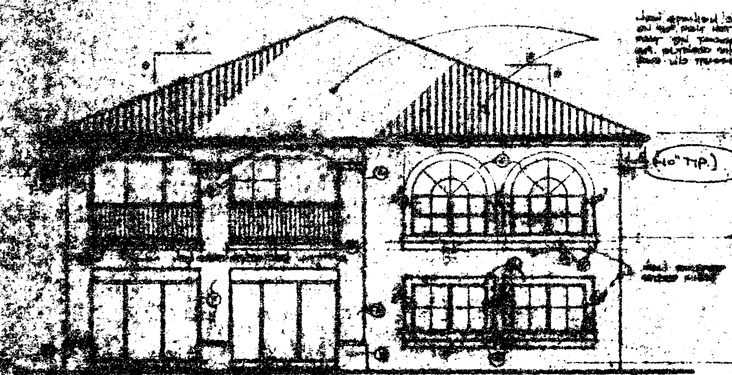

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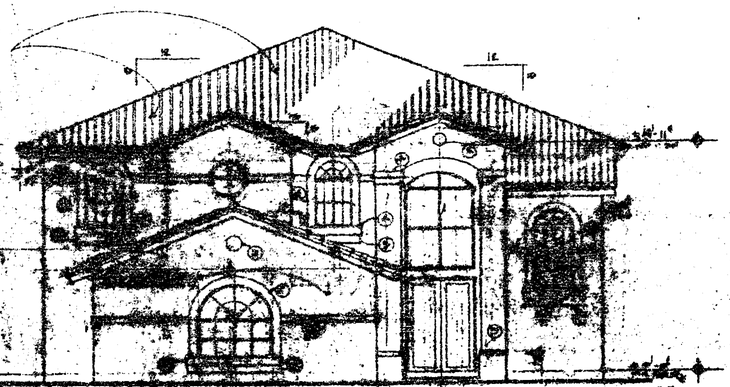


NORTH ELEVATION

ELEVATIONS

NEW ADDITION & ALTERATION FOR:

CHEUN & HEA INC

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

BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING

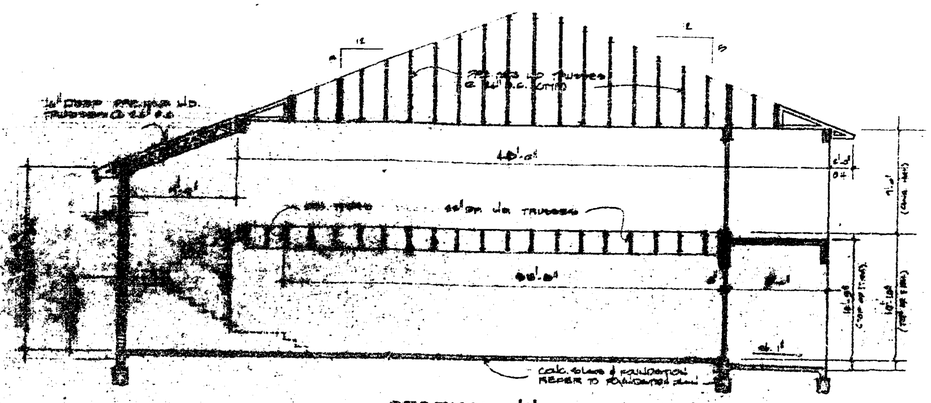
3-10-92 | H.D.

A-4 of 8

PERMIT SET

B9200184

OOOOOOO



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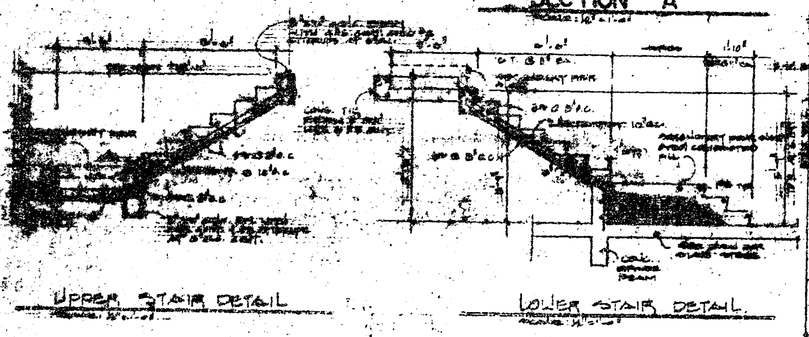
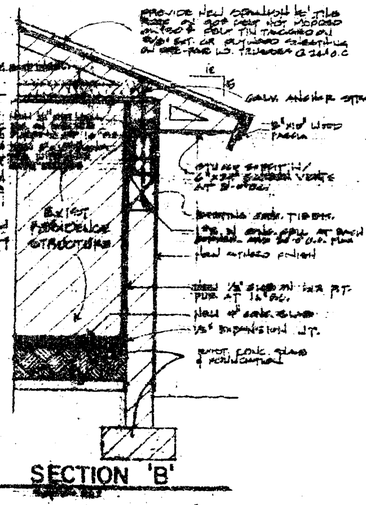


UPPER STAIR DETAIL

LOWER STAIR DETAIL



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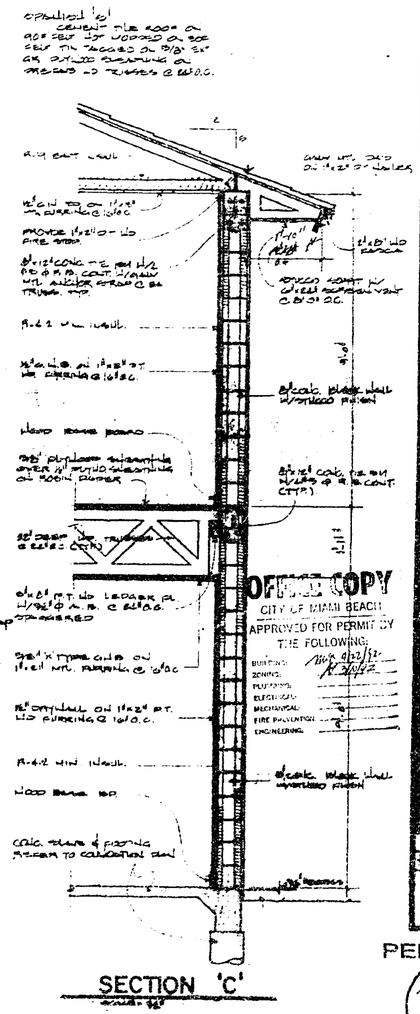


SECTION 'C'

SECTIONS, DETAILS

NEW ADDITION & ALTERATION FOR:

CHEM & MEA INC

OFFICIAL COPY

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PROTECTION
ENGINEERING

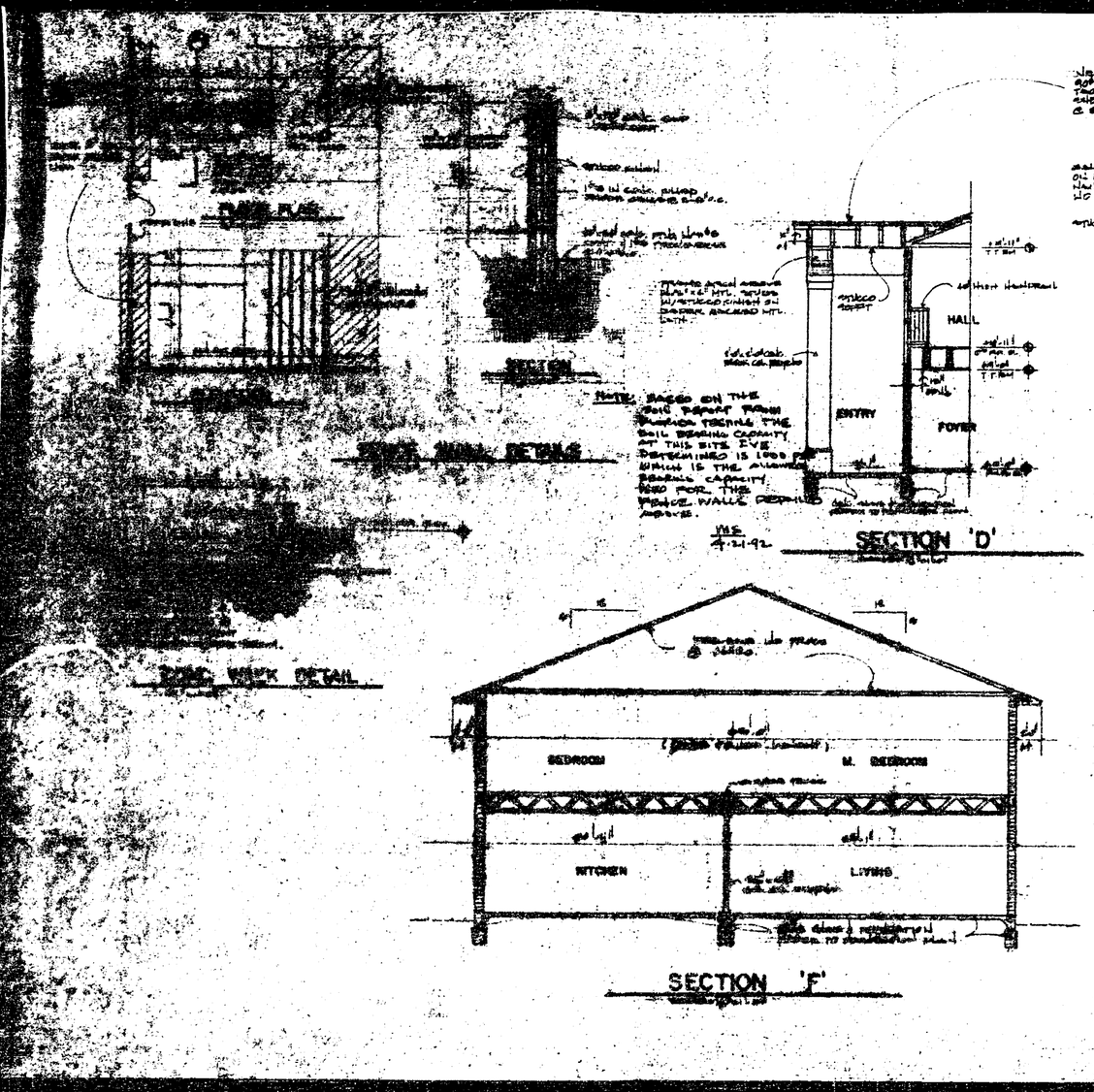
A-6 of 8

PERMIT SET

Mike Sosa
Mark Sosa
MAR 3 1992

B9200184

COPY



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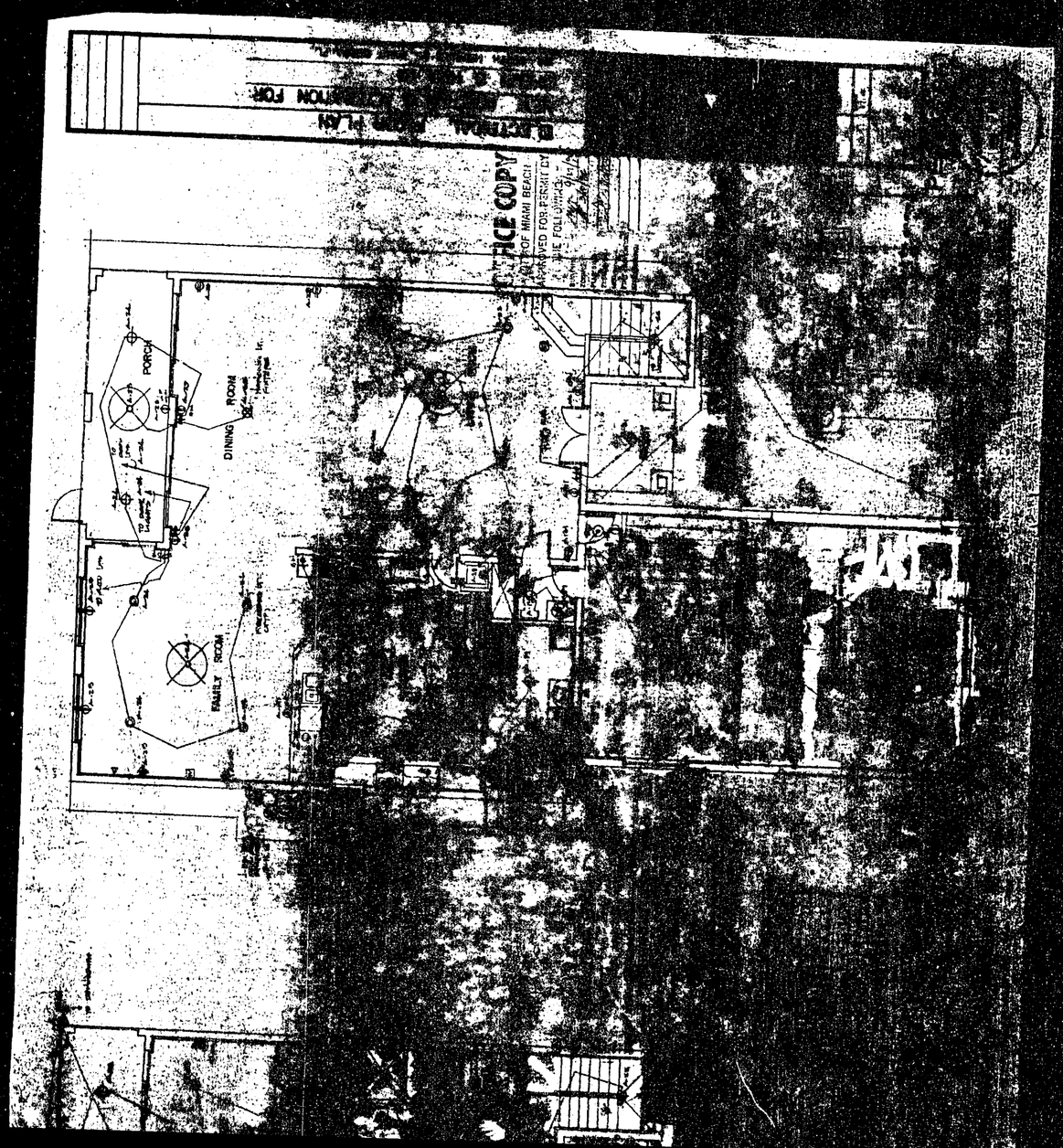
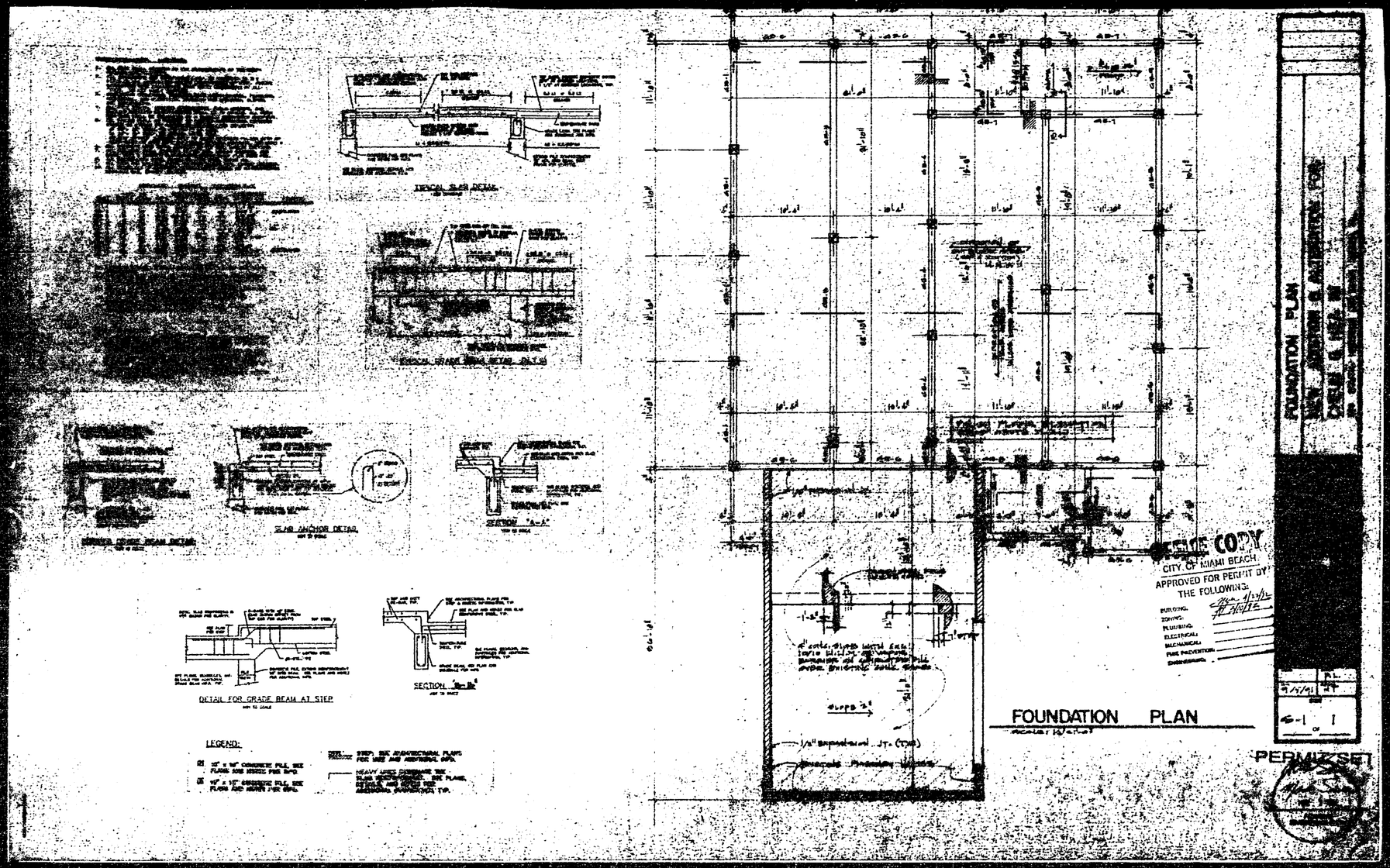
B1200-84





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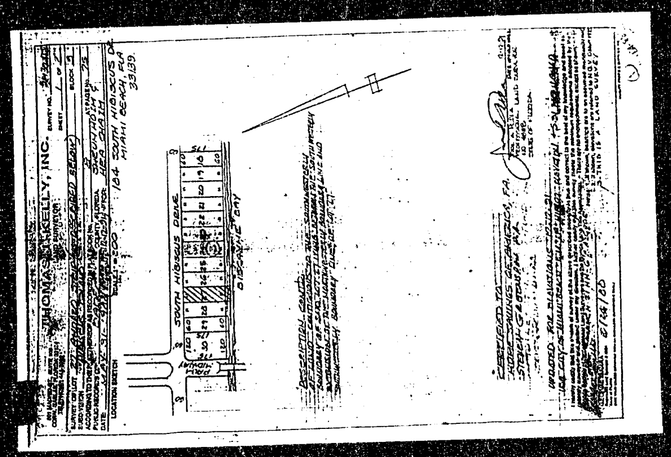
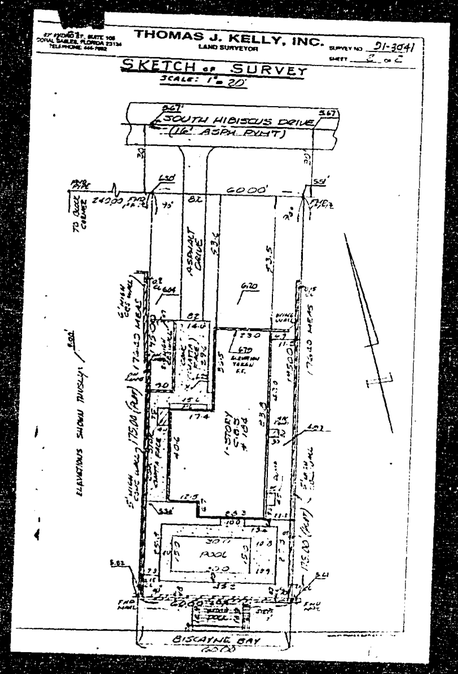
DOCUMENT

B-200-84





1. All electrical equipment that is permanently attached to the structure, switches, outlets, receptacles, heating tanks, generators and air conditioning units must be at or above the required flood level.

2. By accepting this variance, you will hold Dade County harmless of any liabilities and damages in case of flooding caused by severe storm or hurricane.

You are hereby admonished that the granting of a variance will not relieve the owner fro the added cost of flood insurance premium for building below the regulatory flood level.

If you have any additional questions, Please do not hesitate to contact Mr. Isaac Benot of this office at (305) 375-2315.

Sincerely,

John E. Renfrow, P.E.
Director

JBitc

92-028

004099

FLORIDA TESTING & ENGINEERING, INC.

July 25, 1991

Mr. Hank Park
936 SW 112 Terrace.
Pembroke Pines, Florida 33025

RE: Proposed Addition to 184 South Hibiscus Drive,
Miami Beach, Florida

Gentlemen:

As requested, we have conducted a subsoil investigation at the referenced site (see enclosed reports).

Our borings indicate the presence of a sandy silt from approximately 6' to 17' below the existing surface. From this elevation to terminal depth of borings, a medium dense limerock was encountered.

As a result of this we feel that the proposed addition be placed on piles. Calculations, based on standard penetration N values, indicate that a 14 inch diameter auger cast pile placed to a depth of 22' below the existing surface will sustain a capacity of 25 tons.

These borings are representative of the areas tested, only, and if any unusual or varying conditions are encountered during construction, further engineering services will be required.

All data from the boring logs is for purposes of foundation analysis only. It is not to be used for excavating or backfilling estimates.

If we can be of further help in this matter, please don't hesitate to contact this office.

Respectfully Submitted,
FLORIDA TESTING & ENGINEERING, INC.

J. V. Witterholler, Jr., P.E.
Registered Engineer No. #6893
State of Florida

JVW:ed
910745-1

B9200184

00003728

FTE Est. 1959

FLORIDA TESTING & ENGINEERING, INC.

TEST BORING REPORT

CLIENT: Mr. Hugh Park
PROJECT: Proposed Addition to 184 South Dixieiana Drive, Miami Beach, Florida
LOCATION: Approximately 52' North and 75' East of the existing Northwest Building Corner
DATE: 07/24/91

DRILL NUMBER: 9716743
BORING NUMBER: 1
DRILLER: Rowytig #3
WATER LEVEL: 3.0' @ 9:30 a.m.
S.P.T.: 140 lb HAMMER; 30 INCH DROP;
S.P.T.: 2 ft SPLIT SPOON SAMPLER

DEPTH Ft	VISUAL CLASSIFICATION	LAYER THICKNESS Ft	NUMBER BLOWS on SAMPLER	NUMBER BLOWS on CASING	ELEVATION Datum: Ft. M.S.L.
1	Tan Limerock with Silica Sand	1.0	5/6	medium Auger	
2	Tan Medium Fine Silica Sand w/some Limerock and trace of Marl		3/3		
3			3/3		
4	Tan Gray Medium Fine Silica Sand w/Shell and Silt	3.0	2/3		
5			1/2		
6	Gray Silt with Silica Sand	3.0	1/3		
7			1/3		
8			1/3		
9	Gray Silt with Silica Sand	5.0	1/3		
10			1/3		
11			1/3		
12	Gray Silt with Silica Sand	5.0	1/3		
13	Tan Limerock	1.0	1/3		
14			11/16		
15			11/16		
16			11/16		

PAGE 1 OF 2 CONTINUED ON NEXT PAGE

FTE Est. 1959

FLORIDA TESTING & ENGINEERING, INC.

TEST BORING REPORT

CLIENT: Mr. Hugh Park
PROJECT: Proposed Addition to 184 South Dixieiana Drive, Miami Beach, Florida
LOCATION: Approximately 52' North and 75' East of the existing Northwest Building Corner
DATE: 07/24/91

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BORING NUMBER: 1
DRILLER: Rowytig #3
WATER LEVEL: 3.0' @ 9:30 a.m.
S.P.T.: 140 lb HAMMER; 30 INCH DROP;
S.P.T.: 2 ft SPLIT SPOON SAMPLER

DEPTH Ft	VISUAL CLASSIFICATION	LAYER THICKNESS Ft	NUMBER BLOWS on SAMPLER	NUMBER BLOWS on CASING	ELEVATION Datum: Ft. M.S.L.
21			8/7		
22		5.0	10/10		

PAGE 2 OF 2

TEST TERMINATION AT 22.0' FEET

FTE Est. 1959

FLORIDA TESTING & ENGINEERING, INC.

TEST BORING REPORT

CLIENT: Mr. Hugh Park
PROJECT: Proposed Addition to 184 South Dixieiana Drive, Miami Beach, Florida
LOCATION: Approximately 5' North and 5' West of the existing Northwest Building Corner
DATE: 07/24/91

ORDER NUMBER: 9716743
BORING NUMBER: 2
DRILLER: Rowytig #3
WATER LEVEL: 3.0' @ 10:45 a.m.
S.P.T.: 140 lb HAMMER; 30 INCH DROP;
S.P.T.: 2 ft SPLIT SPOON SAMPLER

DEPTH Ft	VISUAL CLASSIFICATION	LAYER THICKNESS Ft	NUMBER BLOWS on SAMPLER	NUMBER BLOWS on CASING	ELEVATION Datum: Ft. M.S.L.
1	Tan/Gray Medium Fine Silica Sand with some Limerock		1/1	medium Auger	
2	Tan Medium Fine Silica Sand with Shell and Silt	2.0	1/1		
3			2/2		
4	Gray Silt with Silica Sand	5.0	2/3		
5			3/4		
6			4/8		
7	Gray Silt with Silica Sand	3.0	1/6		
8			4/5		
9			4/1		
10			1/1		
11			1/2		
12	Gray Silt with Silica Sand	1.0	2/3		
13	Tan Limerock with Silica Sand		11/16		
14			11/16		
15			16/16		

PAGE 1 OF 2 CONTINUED ON NEXT PAGE

B9200184

00003729

METROPOLITAN DADE COUNTY, FLORIDA

METRO DADE CENTER

ENVIRONMENTAL RESOURCES MANAGEMENT
SUITE 1210
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1971
(305) 375-3576

March 19, 1992

Cheun and Reacha Im
184 South Hibiscus Drive
Miami Beach, FL 33139

Re: Variance Number 92-028

Dear Mr. and Mrs. Im:

Your application for a variance to the requirements of Chapter 11C of the Metropolitan Dade County Code, for the construction of an addition and renovation of your property located at 184 South Hibiscus Drive, Miami Beach, in Section 33, Township 53 South, Range 42 East, Dade County, Florida, has been reviewed by our staff.

This property is located in a Flood Zone AE with a required Base Flood Elevation of +10.0 ft. The County Flood Criteria is +5.0 ft. and the Land Elevation varies from +5.5 to +6.50 ft. The existing finished floor of the house is +6.79 ft. You are requesting to allow the new addition to be at elevation +8.0 ft. instead of the required +10.0 ft. All elevations are based on N.G.V.D.

According to the letter of intent, you are requesting to lower the requirement for the proposed floor elevation to take advantage of the existing structure which is to be used for a proposed garage. Also, to use the existing pool which is built to work with the lower existing floor elevation. If you were to build the new addition at +10.0 ft. N.G.V.D. the existing pool would be too low in reference to the new higher floor. The lot is also very narrow which makes grading the lot difficult if you were to use the required +10.0 ft. N.G.V.D. floor elevation.

Our review of this application indicates that this property is located in a flood zone that is not subject to wind and wave action. This house was built in 1957, prior to the establishment of the Flood Protection Program. You made a substantial effort by raising the proposed addition from +6.79 ft. to +8.0 ft. To raise the addition at the required +10.0 would require excessive regrading due to the lot's narrow conditions.

Therefore, for all the above, I hereby grant this variance to allow the proposed addition with its finished floor elevation at elevation +8.0 ft. instead of the required +10.0 ft. N.G.V.D. subject to the following conditions:

FTE

Est. 1959

FLORIDA TESTING & ENGINEERING, INC.

TEST BORING REPORT

CLIENT: Mr. Hugh Port
PROJECT: Proposed Addition to 184 South Hibiscus Drive, Miami Beach, Florida
LOCATION: Approximately 5' North and 5' West of the existing Northeast Building Corner
DATE: 07/24/91

TAKEN BURIED: OPENED
BORING NUMBER: 1
DRILLER: Murphy #5
WATER LEVEL: 5.0' @ 10:45 a.m.
S.P.T.: 140 lb HAMMER; 30 INCH DROP;
S.P.T.: 2 FT SPLIT SPOON SAMPLER

DEPTH FT	VISUAL CLASSIFICATION	LAYER THICKNESS FT	HAMMER BLOWS on SAMPLER	HAMMER BLOWS on CASING	ELEVATION Reference Ft. M.S.L.
0					
- 21	Light brown fine sand, trace silt		7/13		+7
-	Light brown fine sand, trace silt		10/11		+6
- 22	Light brown fine sand, trace silt	3.5			+5
-					+4

PAGE 2 OF 2

TEST TERMINATED AT 22.0' FEET

B9200184

00003730

PERMIT NUMBER

B9300127

ADDRESS

48

SEVER DESIGN GROUP
ARCHITECTS

GENERAL NOTES:

1. ALL PILES SHALL BE 12"x12" PRECAST PRESTRESSED CONCRETE PILES DRIVEN TO A MIN. BEARING CAPACITY OF 10 TONS AND A MIN. OF 12' BELOW "FIRM" BAY BOTTOM. FIRM DOES NOT INCLUDED ANY LOOSE MUCK WITCH WILL NOT LATERALY SUPPORT THE PILES BOTH OF THE ABOVE MIN. CRITERIA MUST BE MET OR EXCEEDED.

2. ALL WOOD SHALL BE PRESSURE TREATED PINE WITH A MIN. ALLOWABLE EXTREME FIBER STRESS IN BENDING Fb = 1200 PSI, HORIZONTAL SHEAR STRESS Fb = 90 PSI, AND MODULES OF ELASTICITY E = 1,200,000 PSI.

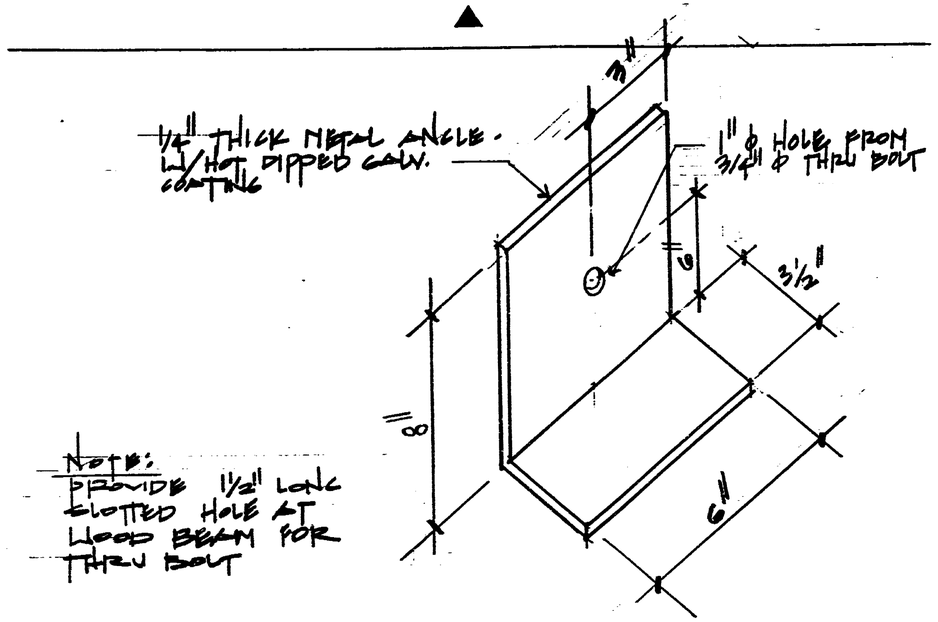
3. ALL METAL FASTNERS AND CONNECTORS SHALL BE HOT DIPPED GALVINZIED.

William Spencer 9-8-93

NEW BOAT DOCK FOR:
I M RESIDENCE
184 S HIBISCUS DR. MIAMI BEACH
6/26/92

48

SEVER DESIGN GROUP
ARCHITECTS



NOTE:
PROVIDE 1 1/2" LONG SLOTTED HOLE AT WOOD BEAM FOR THRU BOLT

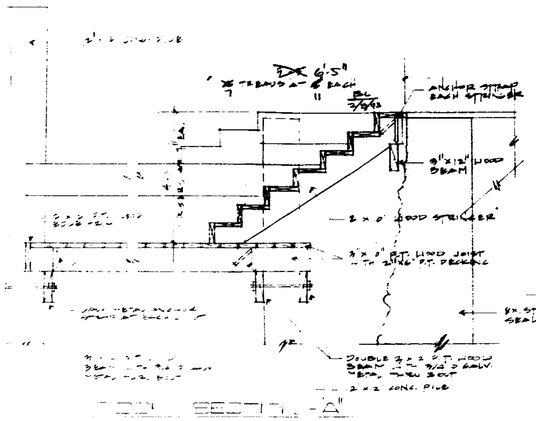
METAL PLATE CONNECTION DETAIL AT CONC. PILE AND 3x12 WOOD BEAM
TYPICAL AT EACH CONNECTION 1 1/2" = 1'-0"

NEW BOAT DOCK FOR:
IM RESIDENCE
184 S. HIBISCUS DR. MIAMI BEACH
6/26/92

William Lippincott 7-17-92

4/8

1639 HOLLYWOOD BLVD. HOLLYWOOD, FLORIDA 33020 DADE: (305) 945-6876 BROWARD: (305) 923-6181



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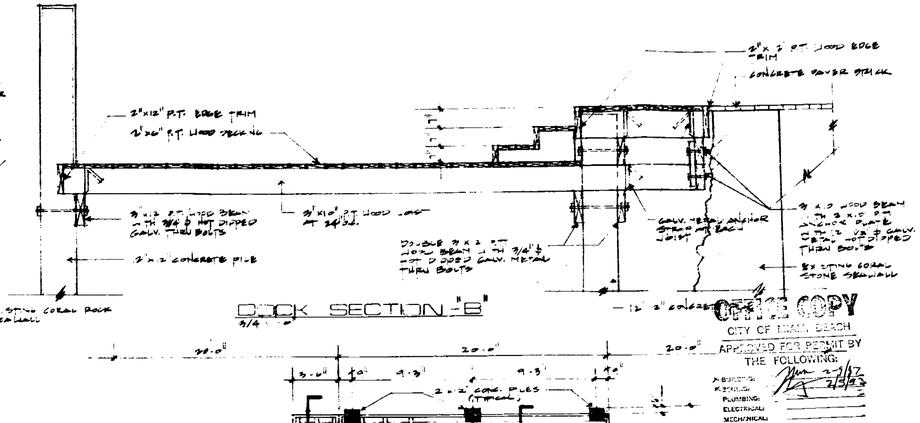
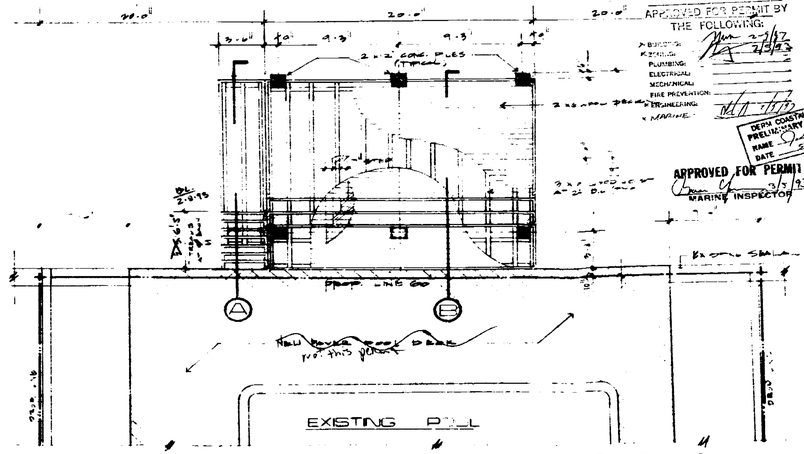


DOCK SECTION "B"



SITE PLAN

LEGAL DESCRIPTION

LOT 27 AND A 20 STRIP OF LAND LYING ON THE SOUTHERLY BOUNDARY OF SAID LOT 27, LYING BETWEEN THE SOUTHERLY EXTENSION OF THE WESTERLY BOUNDARY LINE AND SOUTHEASTERLY BOUNDARY LINE OF LOT 27 "HIBISCUS ISLAND" P.B. 9 PAGE 15 OF DADE COUNTY RECORDS

DEPT. CONSTR. SECTION
PRELIMINARY APPROVAL
NAME
DATE 2/26/93

APPROVED FOR PERMIT
MARINE INSPECTOR 3/1/93

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
ARCHITECTURAL 2/3/93
STRUCTURAL
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
MARINE

OFFICIAL COPY

PLANS AND DETAILS
NEW BOAT DOCK FOR
RESIDENCE
191 S. HIBISCUS DRIVE – MIAMI BEACH FLORIDA

SENTRY DESIGN GROUP

SHEET 7 OF 7

William Prescott 7-15-92

48

PERMIT NUMBER

B9300127

ADDRESS

48

SEVER DESIGN GROUP
ARCHITECTS

GENERAL NOTES:

1. ALL PILES SHALL BE 12"x12" PRECAST PRESTRESSED CONCRETE PILES DRIVEN TO A MIN. BEARING CAPACITY OF 10 TONS AND A MIN. OF 12' BELOW "FIRM" BAY BOTTOM. FIRM DOES NOT INCLUDED ANY LOOSE MUCK WITCH WILL NOT LATERALY SUPPORT THE PILES BOTH OF THE ABOVE MIN. CRITERIA MUST BE MET OR EXCEEDED.

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William Spencer 9-8-93

NEW BOAT DOCK FOR:
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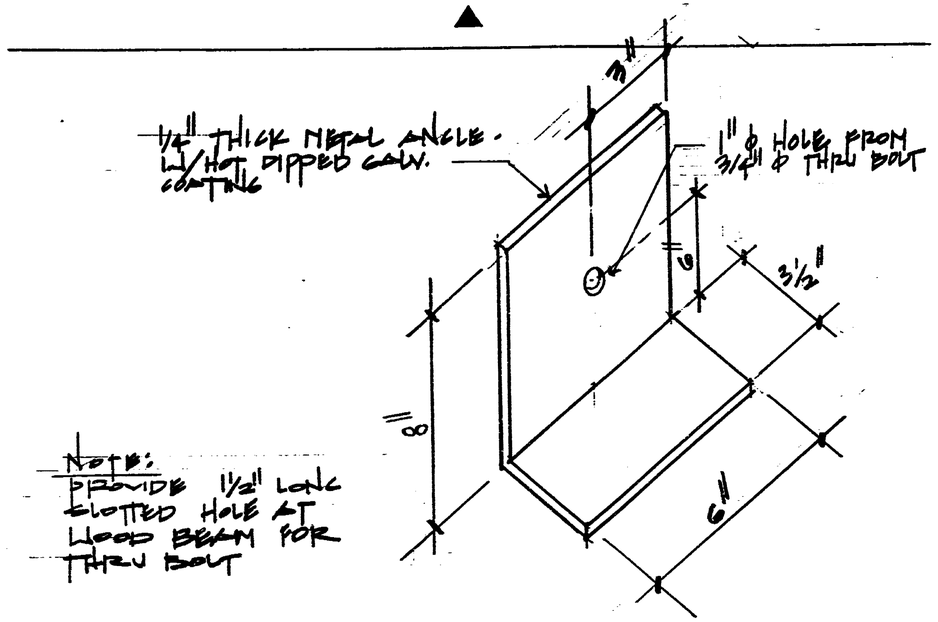
184 S HIBISCUS DR. MIAMI BEACH
6/26/92

48

SEVER DESIGN GROUP
ARCHITECTS



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IM RESIDENCE
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6/26/92

William Lippincott 7-17-92

4/8

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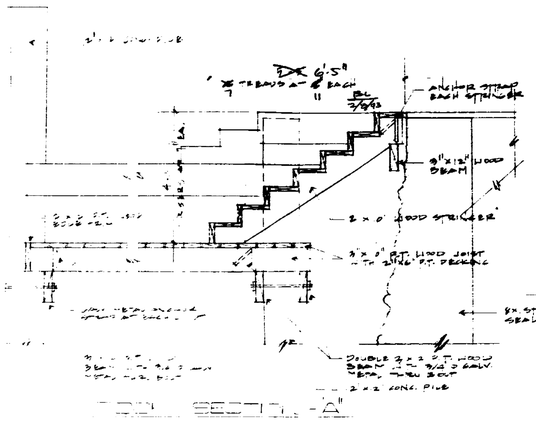
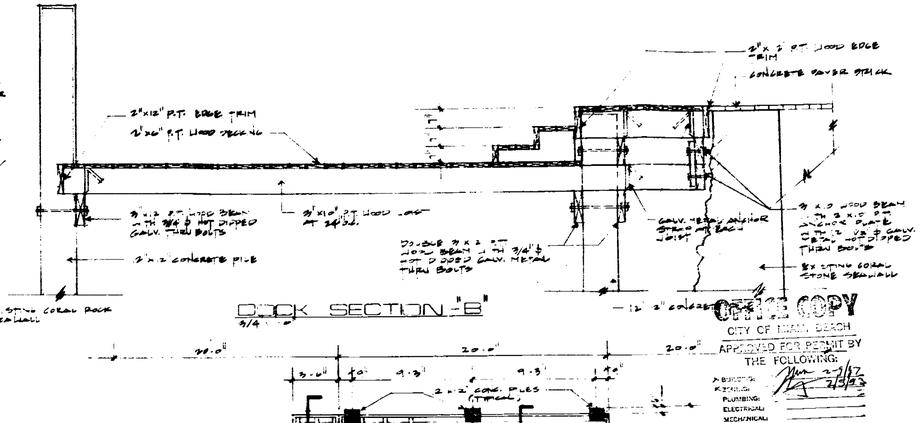
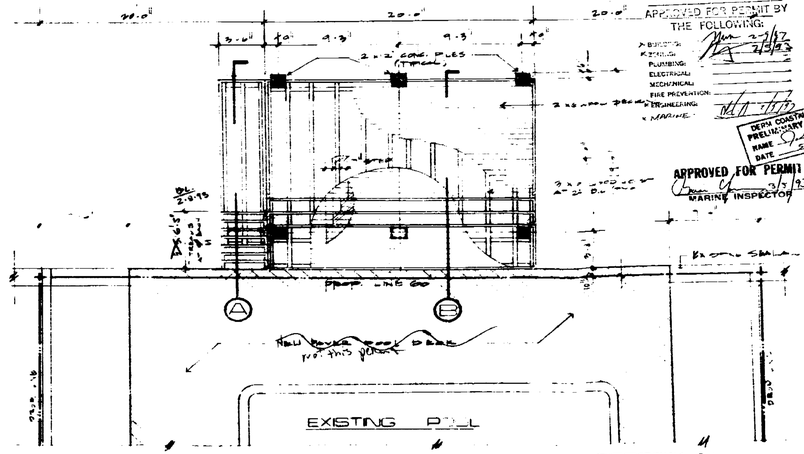


SECTION "A"



DOCK SECTION "B"



SITE PLAN

LEGAL DESCRIPTION

LOT 27 AND A 20 STRIP OF LAND LYING ON THE SOUTHERLY BOUNDARY OF SAID LOT 27, LYING BETWEEN THE SOUTHERLY EXTENSION OF THE WESTERLY BOUNDARY LINE AND SOUTHEASTERLY BOUNDARY LINE OF LOT 27 "HIBISCUS ISLAND" P.B. 9 PAGE 15 OF DADE COUNTY RECORDS

DEPT. CONSTR. SECTION
PRELIMINARY APPROVAL
NAME
DATE 2/26/93

APPROVED FOR PERMIT
MARINE INSPECTOR 3/1/93

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
ARCHITECTURAL 2/3/93
STRUCTURAL
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
MARINE

OFFICIAL COPY

PLANS AND DETAILS
NEW BOAT DOCK FOR
RESIDENCE
191 S. HIBISCUS DRIVE – MIAMI BEACH FLORIDA

SENTRY DESIGN GROUP

SHEET 7 OF 7

William Prescott 7-15-92

48

PERMIT NUMBER

B-9701479

ADDRESS

1702

2

ZVONIMIR T. BELFRANIN, P.E.
4836 SW 74 Court
MIAMI, FLORIDA 33155
(305) 669-0255
FAX (305) 669-1073

JOB ALCANTARA RENOVATIONS
SHEET NO. 1 OF
CALCULATED BY M.M. DATE 12-96
CHECKED BY TH DATE 3.6.97
SCALE

- FOUND. IS COMPOSED OF 12 "ϕ AUGER CAST PILES W/ 25 TONS COMP. CAPACT @ FRONT ENTRY AND 3"ϕ steel SCH. 40 PIN PILES @ ADDED POOL DECK. WHICH WERE ELIMINATED

- DESIGN LOADS

POOL DECK SUPERIMPOSED LOADS

DL = 25 PSF IN ADDITION TO 6" CONC. SLAB
LL = 60 PSF

LATERAL LOADS

q_{15} = 27.3 PSF

WINDWARD ROOF (open STRUCTURE)

p_{15} = 27.3 (-1.55) = -56 PSF
(1.32)

NET UPLIFT = -56 + 5 = -51 ~~PSF~~
NOT APPLICABLE FOR POOL DECK, ONLY FOR OPEN GAZEBO.

3 6997
1702

2

ZVONIMIR T. BELFRANIN, P.E.
4836 SW 74 Court
MIAMI, FLORIDA 33155
(305) 669-0255
FAX (305) 669-1073

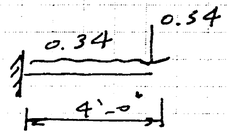
JOB
SHEET NO. 2 OF
CALCULATED BY mm DATE 12-96
CHECKED BY DATE
SCALE

check cantl. slab.

span = 4'-0"

P $W_{DL+LL} = [0.025(1.4) + 0.03(1.7)](3) + \frac{8(12)}{144}(0.15)(1.4) = 0.54^{K}/FT$

W $W_{DL+LL} = \frac{6}{12}(0.15)(1.4) + 0.11(1.5)(1.4) = 0.34^{K}/FT$



$(-)M_S = 0.34(4)^2/2 + 0.54(4)$

$= 4.9\ K\text{-}FT/FT$

$d = 4\frac{1}{2}"$ w/ #5 @ 8" o.c. $A_S = 0.47\ in^2/FT$

$\phi M_S = 8.06\ K\text{-}FT/FT$

— existg. cant'l. slab is adequate.

2

1492 N.W. 77TH STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE (305) 220-3171
FAX (305) 594-7822

Nova Surveyors Inc.

LAND SURVEYORS

SURVEY NO 96 - 5127

SHEET NO 1 OF 2

DRAWN BY A.V

SURVEY OF LOT 27 AND A 20 FEET STRIP ADJACENT THERETO BLOCK 3

SUBDIVISION HIBIS MS - COUNTY

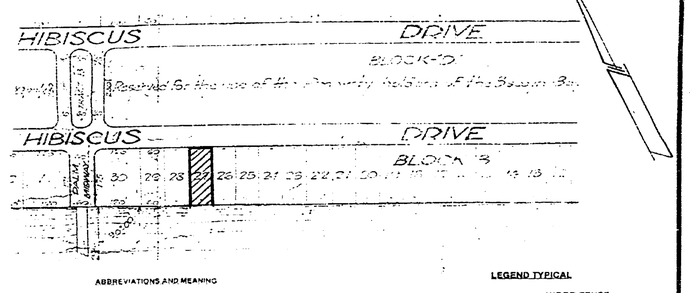
ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK NO. 8 AT PAGE NO. 75 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA. DATE: DECEMBER 18, 1946

PROPERTY ADDRESS 184 S HIBISCUS DR MIAMI BEACH, FL 33139

FOR Aldo Alcantara

LOCATION SKETCH

Scale 1" = N.T.S.



ABBREVIATIONS AND MEANING

A = ARC
AC = AIR CONDITIONER PAD
AE = ANCHOR EASEMENT
AR = ALUMINUM ROOF
AS = ALUMINUM SHED
ASPH = ASPHALT
BC = BLOCK CORNER
BLDG = BUILDING
BM = BENCH MARK
B.O.B. = BASIS OF BEARINGS
C = CALCULATED
CB = CATCH BASIN
CBS = CONCRETE BLOCK STRUCTURE
CBW = CONCRETE BLOCK WALL
CH = CHORD DISTANCE
CH B = CHORD BEARING
CL = CLEAR
C.L.F. = CHAIN LINK FENCE
C.M.E. = CANAL MAINTENANCE EASEMENT
C.O.C. = CONCRETE
C.P. = CONC. PORCH
C.S. = CONCRETE SLAB
D.E. = DRAINAGE EASEMENT
D.M.E. = DRAINAGE MAINTENANCE EASEMENT
D.W.E. = DRIVEWAY
D = DEGREES
E = EAST
E.P.P. = ELECTRIC TRANSFORMER PAD
ELEV = ELEVATION
ENCR = ENCROACHMENT
F.H. = FIRE HYDRANT
F.I.P. = FOUND IRON PIPE
F.I.R. = FOUND IRON ROD
F.F.E. = FINISHED FLOOR ELEVATION
F.N.D. = FOUND NAIL & DISK
FR = FRAME
FT. = FEET
F.I.R.M. = FEDERAL INSURANCE PROGRAM
F.N. = FOUND NAIL
H = HIGH (HEIGHT)
I.N. & E.G. = INGRESS AND EGRESS EASEMENT
L.P. = LIGHT POLE
L.F.E. = LOWEST FLOOR ELEVATION
L.M.E. = LAKE MAINTENANCE EASEMENT
M = MEASURED
M = MEASURED DISTANCE
MON. = MONUMENT
MH = MANHOLE
M.L. = MEAN HIGH WATER LINE
N.A.V. = NORTH AMERICAN VERTICAL DATUM
N = NORTH
N.T.S. = NOT TO SCALE
N.W. = NUMBER
OH = OVERHEAD
O/H = OVERHANG
O.R.B. = OFFICIAL RECORD BOOK
PVMT = PAVEMENT
P.I. = PLASTER
P.L. = PROPERTY LINE
P.O.C. = POINT OF COMMENCEMENT
P.O.B. = POINT OF BEGINNING
P.R.M. = PERMANENT REFERENCE MONUMENT
P.C.P. = PERMANENT CONTROL POINT
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
P.R.C. = POINT OF REVERSE CURVE
PROP COR = PROPERTY CORNER
P.B. = PLAT BOOK
PG. = PAGE
PWY = PARKWAY
PRM = PERMANENT REFERENCE MONUMENT
P.L.S. = PROFESSIONAL LAND SURVEYOR
R = RECORDED DISTANCE
RR = RAILROAD
RES = RESIDENCE
R/W = RIGHT-OF-WAY
RAD = RADIUS OF RADIAL
R.P. = RADIUS POINT
RGE = RANGE
SEC = SECTION
STY = STORY
SWK = SIDEWALK
S.I.P. = SET IRON PIPE L.B. #3681
S = SOUTH
S.N.D. = SET NAIL & DISK L.B. #3681
S.P. = SCREENED PORCH
SEC = SECONDS
T = TANGENT
TWP = TOWNSHIP
U.E. = UTILITY EASEMENT
UTIL = UTILITY
U.P. = UTILITY POLE
W.M. = WATER METER
W.F. = WOOD FENCE
℄ = CENTRAL MULE
W = WEST
℄ = CENTER LINE
Δ = ANGLE

LEGEND TYPICAL

WOOD FENCE
CHAIN LINK FENCE.
C.B.S. WALL (C.B.W.)
EXISTING ELEVATIONS.
0.00 X
0.00
PROPOSED ELEVATIONS

SURVEYOR'S NOTES: 1) a - SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY SAID PLAT IN THE DESCRIPTION OF THE PROPERTY, IF NOT, THEN BEARINGS ARE REFERRED TO COUNTY TOWNSHIP MAPS.

2) IF SHOWN, ELEVATIONS ARE REFERRED TO

B.M.# _____ ELEV. _____ OF N.G.V.D. OF 1929

3) THIS "SKETCH OF SURVEY" REPRESENTS A LAND SURVEY, ALSO REFERRED AS A BOUNDARY SURVEY

3A - THIS IS A SPECIFIC PURPOSE SURVEY

4) THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1 / 7500 FT.

I HEREBY CERTIFY THAT THIS "SKETCH OF SURVEY" OF THE PROPERTY DESCRIBED HEREON, AS RECENTLY SURVEYED AND DRAWN UNDER MY SUPERVISION, COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

BY: GEORGE (BARRACATE OF FIELD WORK) 12/12/96
PROFESSIONAL LAND SURVEYOR NO. 2534
STATE OF FLORIDA (VALID COPIES OF THIS SURVEY WILL BEAR THE EMBOSSED SEAL OF THE ATTESTING LAND SURVEYOR.

REVISION _____

REVISION _____

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY (SURVEY)

EXAMINATION OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED [illegible] OF ANY, AFFECTING THIS PROPERTY. THIS SURVEY IS SUBJECT TO DEFICIENCIES [illegible] RESTRICTIONS, RESERVATIONS, EASEMENTS OF RECORD, LEGAL DESCRIPTIONS [illegible] AND/OR AGREEMENTS, IF ANY.

SKETCH OF SURVEY MEANS A DRAWING, OR A GRAPHIC REPRESENTATION OF THE SURVEY, WITH [illegible] IN THE FIELD, GOVERNMENTAL AS A BASIS OF SCALE AND ORIENTATION.

[illegible] OF THE SURVEY IS LIMITED TO THE COST OF THE SURVEY.

[illegible] BROADCAST VISIBLE ENCROACHMENTS ONLY AND ARE NOT GROUND ENCROACHMENTS.

[illegible] SHALL VERIFY DIMENSIONS, AS WELL AS FIELD DIMENSIONS AND SETBACKS AND THEY WILL [illegible] OF SUBMISSION OF PLANS WITH THE CORRECT INFORMATION FROM THEIR [illegible] FOR AUTHORIZATION TO THE CITY OF MIAMI BEACH CONSTRUCTION REGULATION BOARD.

[illegible] HAS NOT ATTEMPTED TO LOCATE EASEMENTS, OTHER THAN THOSE SHOWN ON RECORDED PLATS.

FENCE OWNERSHIP NOT DETERMINED.

[illegible] MAPS AND/OR DESCRIPTIONS, THE SURVEYOR MAKES NO GUARANTEES THAT THE [illegible] AND/OR DESCRIPTIONS, THE SURVEYOR MAKES NO GUARANTEES THAT THE [illegible] ACTUALLY CONTAIN THE LAND SURVEYED.

AE [illegible] 120651 [illegible] 0183 [illegible] J

3/2/96 [illegible] 10.0 FT

Aldo Alcantara
Mercedes Lopez Cisneros, Esquire
Ticor Title Insurance Company
AIP Mortgage Company its successors and/or assigns

SEAL

2

5582 N.W. 7TH STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE (305) 220-3171
FAX (305) 554-1822

A.Y

Nova Surveyors Inc.

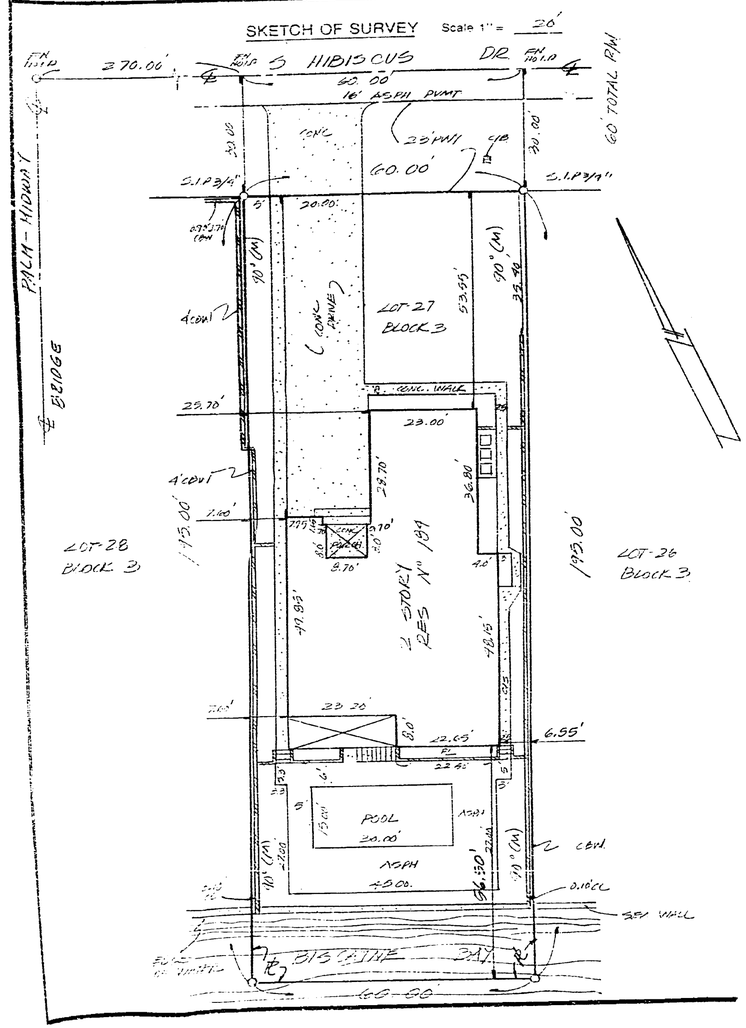
LAND SURVEYORS

SURVEY NO 96-6127

SHEET NO 2 OF 2

SKETCH OF SURVEY

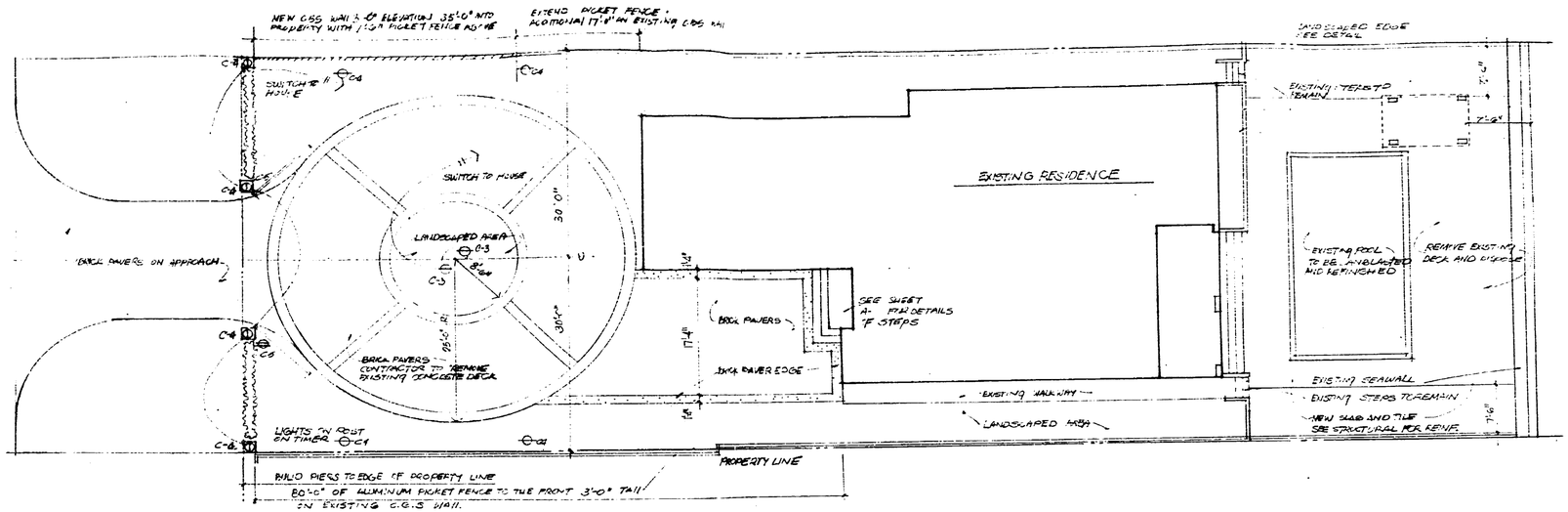
Scale 1" = 20'



2

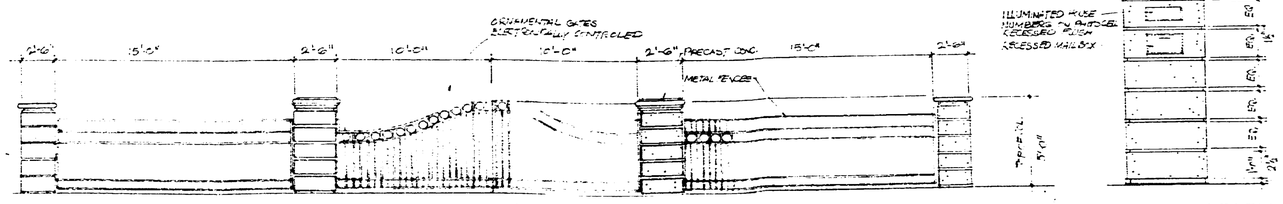
B9701479

2



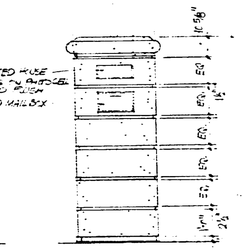
SITE PLAN

SCALE 1/8"= 1'-0"



ENTRY ELEVATION

SCALE 1/4"= 1'-0"



ENTRY COLUMN DET.

SCALE 1/2"= 1'-0"

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING 3/14/17
ZONING
PLANNING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING FEA 3/14/17
PUBLIC WORKS E&C 03/14/2017
STRUCTURAL
ACCESSIBILITY
OTHERS

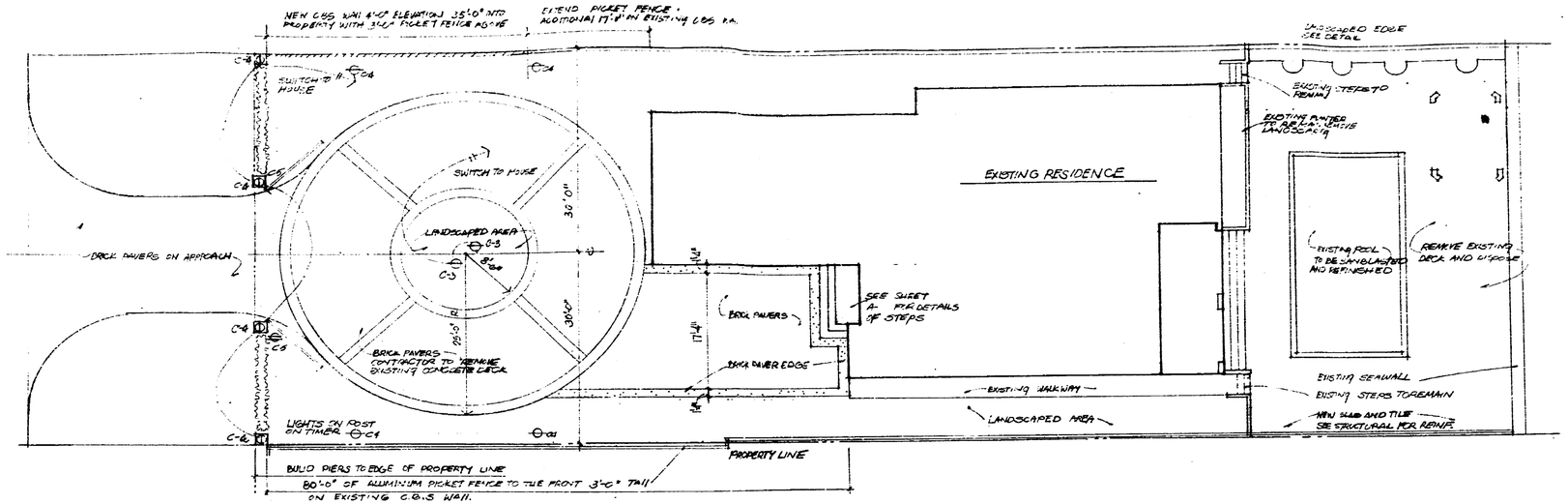
A M JULIEN AIA
architect
phone (305) 445-4963
Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

#1876 3-14-17

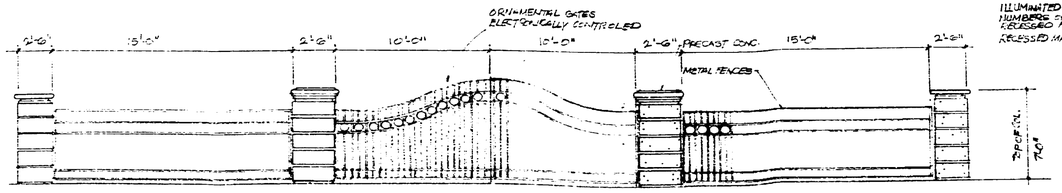
Revision
3-14-17

A-1A
of 5



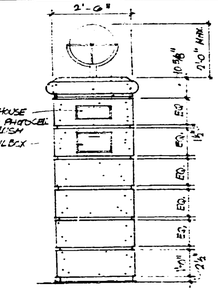
SITE PLAN

SCALE 1/8"= 1'-0"



ENTRY ELEVATION

SCALE 1/4"= 1'-0"



ENTRY COLUMN DET.

SCALE 1/2"= 1'-0"

RECEIVED
MAR 0 1997
CITY OF MIAMI BEACH
BUILDING DEPARTMENT

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CITY OF MIAMI BEACH
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DE 3-10-97
3/10/97
3/6/97

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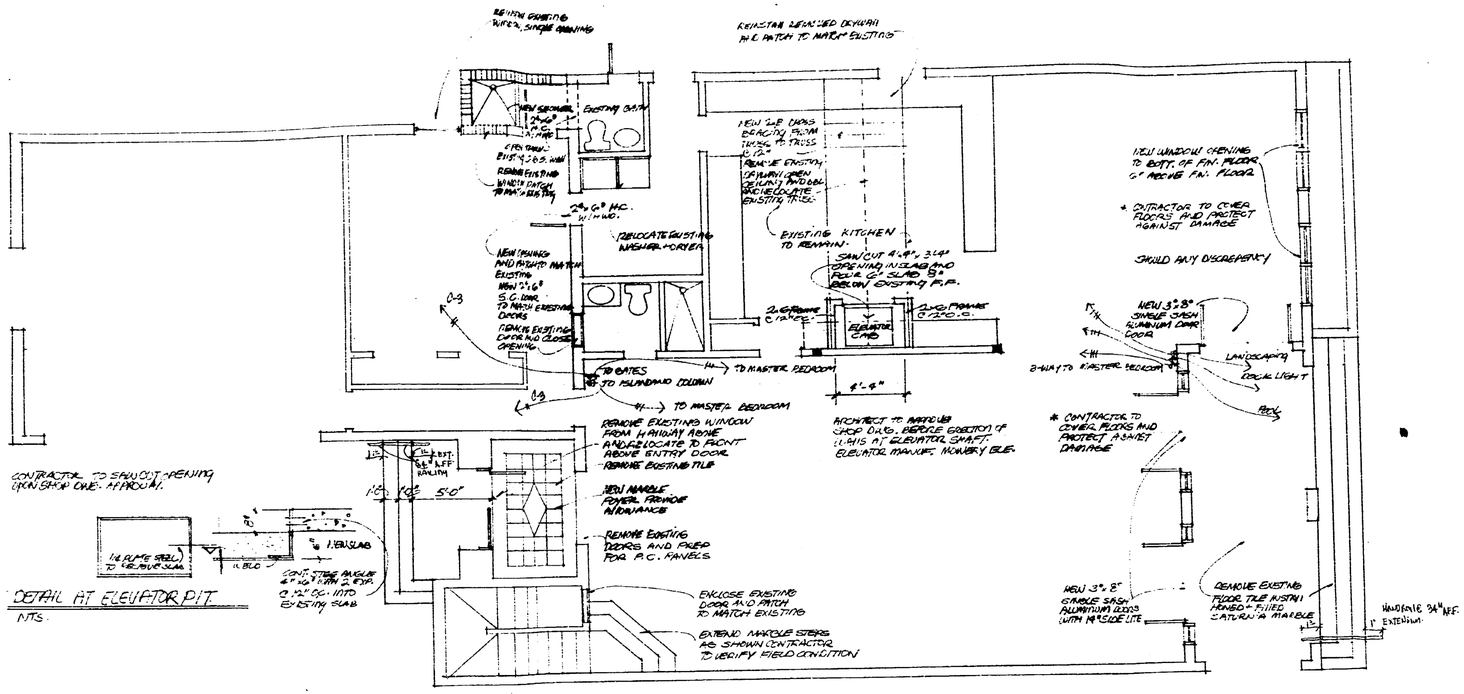
phone (305) 445-4663

ALCANTARA RENOVATIONS
164 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

3-24-97 # 11476

A-1A of 5



FLOOR PLAN

SCALE 1/4" = 1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

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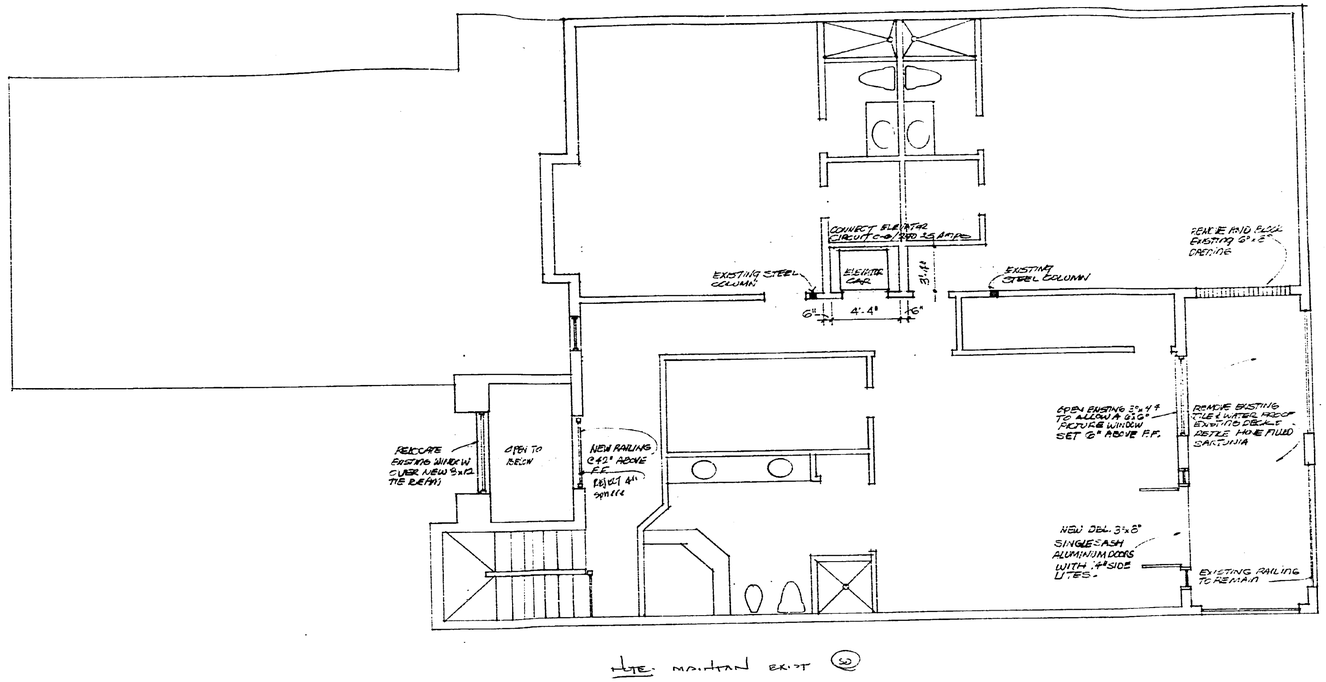
architect
phone (305) 445-4963
Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

R-24-97
144762

A-2
OF
5



NOTE: MAINTAIN EXIT (5)

SECOND FLOOR PLAN

SCALE 1/4"=1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING: 3/12/97
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE MARSHAL:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

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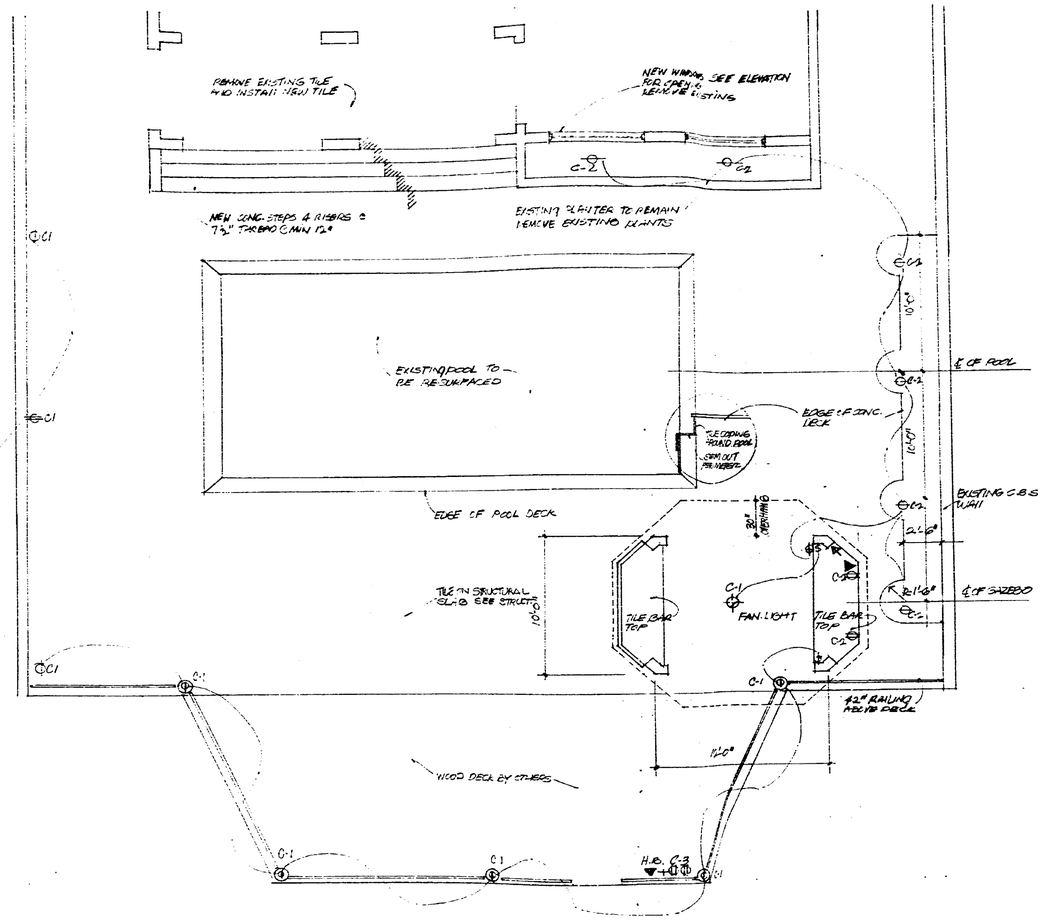
ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

2-24-97
14476

A-3
of 5



FLOOR PLAN

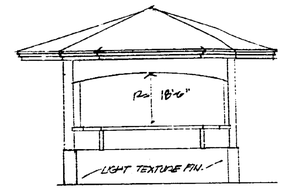
SCALE 1/4"= 1'-0"

TYP ELECTRICAL

1. CONNECT CIRCUIT C-1, C-2 TO EXIST. 400 AMP SERVICE
2. CONNECT CIRCUIT C-3 TO EXISTING 200 AMP SERVICE PROVIDE 60 AMP CIRCUIT BREAKER

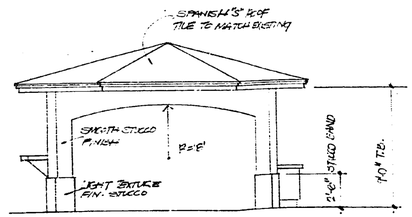
LEGEND

- POST LIGHT EXPER. OR WATERPROOF
- DUPLEX OUTLET WATER PROOF
- EXPER. SPOT LIGHT WATERPROOF
- FAN LIGHT WATERPROOF
- HOSE BIB
- TELEPHONE
- T.V.



SIDE ELEVATION

SCALE 1/4"= 1'-0"



DOCKSIDE ELEVATION

SCALE 1/4"= 1'-0"

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BUILDING:	3/24/77
ZONING:	
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	
FIRE PREVENTION:	
ENGINEERING:	
PUBLIC WORKS:	
STRUCTURAL:	
ACCESSIBILITY:	
ELEVATOR:	

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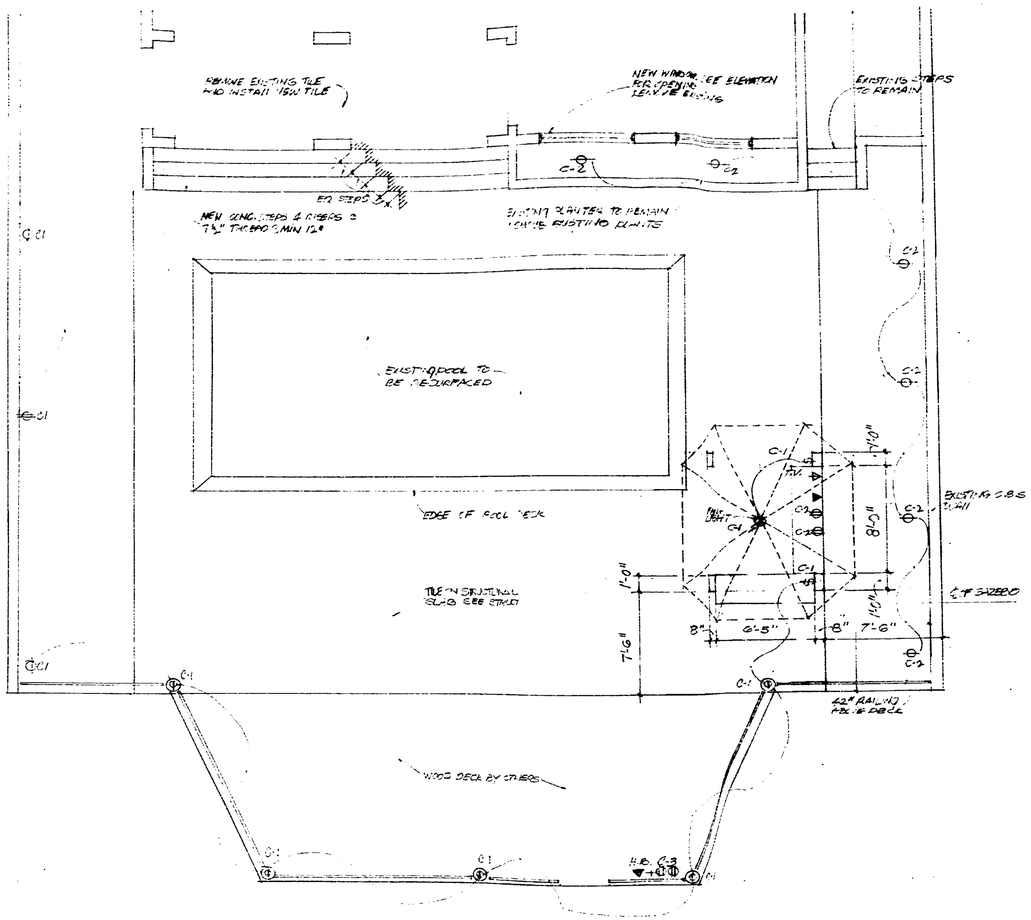
184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

2-24-77
#14876

A-4
of
5



FLOOR PLAN

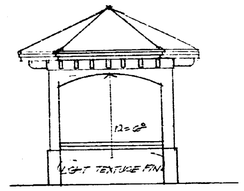
SCALE 1/4"= 1'- 0"

NOTE ELECTRICAL

1. LIGHT CIRCUIT 20A 120 V. EXISTING 120 MIN SERVICE
2. OUTLET CIRCUIT 20 A. TO EXISTING 120 MIN SERVICE IF NOT TO EXIST CIRCUIT SEPARATE

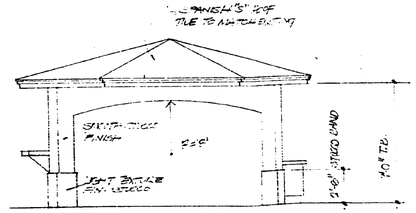
LEGEND

- BOOT LIGHT EXTERIOR RATE TYPE
- DUPLEX OUTLET WATER TIGHT
- EXTERIOR LIGHT WATER TIGHT
- FAN LIGHT WATER TIGHT
- WALL BOX
- TELEPHONE
- T.V.



SIDE ELEVATION

SCALE 1/4"= 1'- 0"



DOCKSIDE ELEVATION

SCALE 1/4"= 1'- 0"

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BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENVIRONMENTAL
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
HISTORIC

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184 SOUTH HIBISCUS DR.
MIAMI BEACH FL.

14976

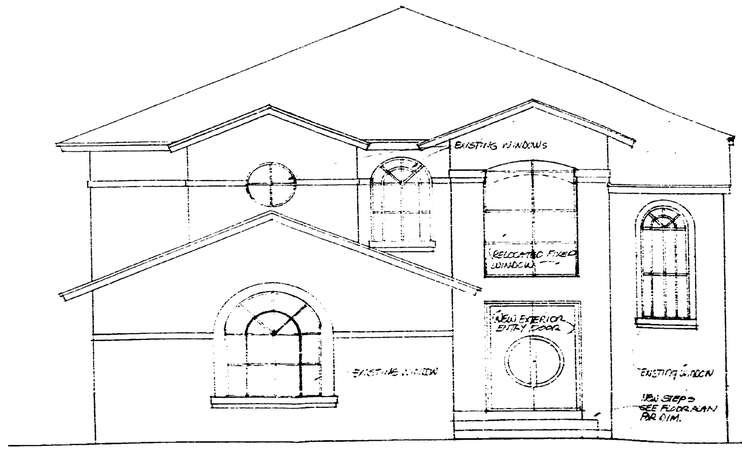
A-4
of
5

EXIST. 200 AMP "L" SERVICE CIRCUIT PANEL SCHEDULE

NO.	LOCATION	CKT. NO.	WIRE SIZE	TYPE
1	PANEL	200		SURFACE
2				
3	WELL POOL	30		
4				
5				
6	LIVING ROOM	1		
7	KITCHEN	2		
8	BEDROOM #1	3		
9	BEDROOM #2	4		
10	MASTER BEDROOM	5		
11	BEDROOM #3	6		
12	BEDROOM #4	7		
13				
14				
15	DOOR-BELL	8	14	#12 THW
16	LR BUILDING	9	14	#12 THW
17	FAN-LIGHT-RECEPTACLE	10	14	#12 THW
18	BUILDING	11	14	#12 THW

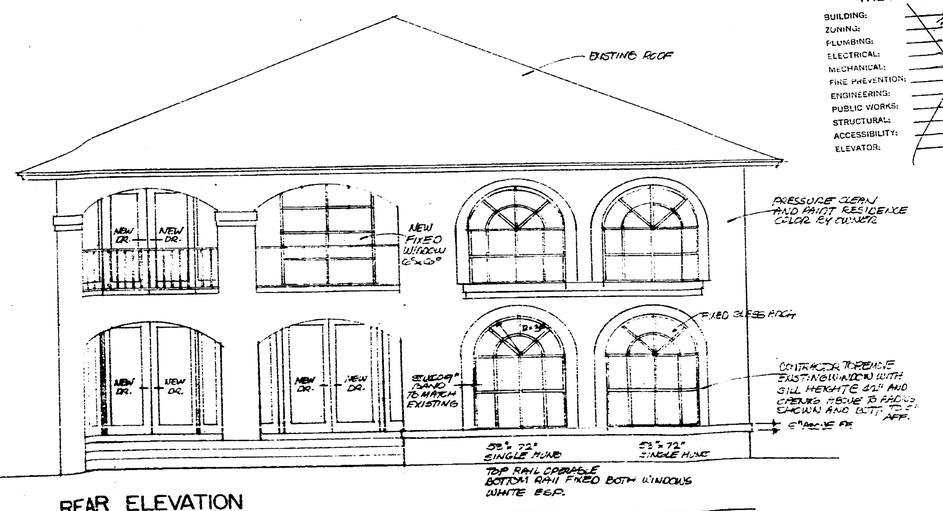
NO.	LOCATION	CKT. NO.	WIRE SIZE	TYPE
1				
2	OVEN			
3				
4				
5	CHANGE			
6				
7				
8				
9				
10	DISHWASHER			
11				
12	GARBAGE DISP.			
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				

LOAD	RECEPT.	REMARKS
6000		EXISTING
1200		
1500		
1500		
1500



FRONT ELEVATION

SCALE 1/4" = 1'-0"



REAR ELEVATION

SCALE 1/4" = 1'-0"

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CITY OF MIAMI BEACH
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BUILDING:	
ZONING:	
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	
FIRE PREVENTION:	
ENGINEERING:	
PUBLIC WORKS:	
STRUCTURAL:	
ACCESSIBILITY:	
ELEVATOR:	

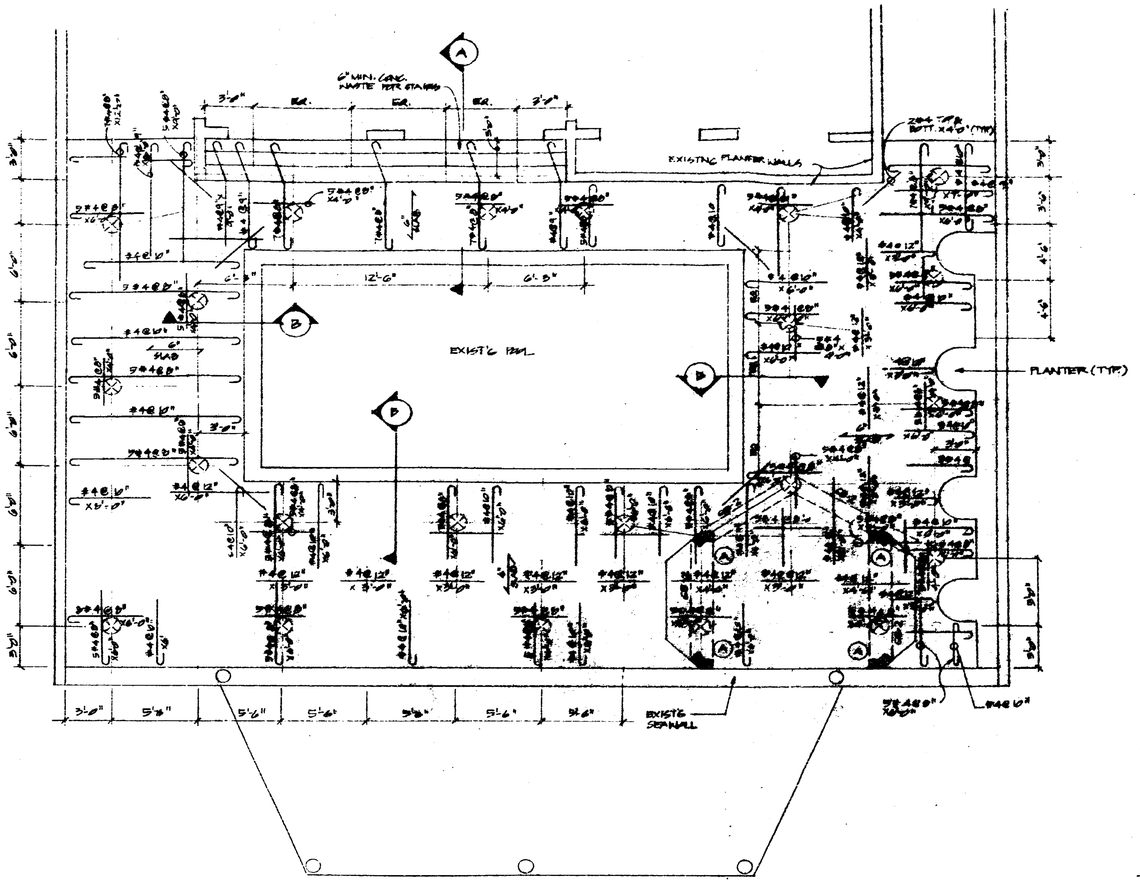
VOID

A M JULIEN A1A
phone (305) 445-4963 Miami, Florida

ALCANTARA RENOVATIONS
184 SOUTH HIBISCUS DR.
MIAMI BEACH, FL.

2-24-97
19976

A-5
of
5

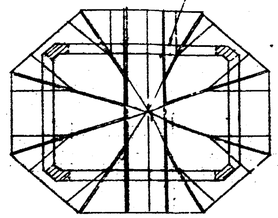


POOL DECK FOUNDATION PLAN
1/4"=1'-0"

PLAN NOTES:

1. (X) DENOTES 12" ϕ AUGER CAST CONCRETE PILES W/ ASSUMED 25 TONS COMPRESSION CAPACITY. OWNER TO APPOINT A GEOTECHNICAL ENGINEER TO DETERMINE PILE COMPRESSION CAPACITY. PILE REINFORCING TO BE 4-#8 VERT. FULL DEPTH, #3 TIES @ 12" O.C., GROUT 1 PC = [illegible] PSI @ 28 DAYS.
2. PLACE ALL GRAD. SLABS OVER 6 MIL. VAPOR BARRIER. VER. GRADE.
3. FOR 6" GRAD. SLAB PROVIDE #4@12" BOTT. REINF. E.A. WAY.
4. (⟷) DENOTES DIRECTION OF SLAB MAIN REINF. (ALTER. MAST LAYER.)
5. (═══) DENOTES SLAB TOP REINF.
6. (- - - -) DENOTES SLAB BOTT. REINF.
7. CS-2 DENOTES [illegible] GRADE BEAM REINF. W/ [illegible]

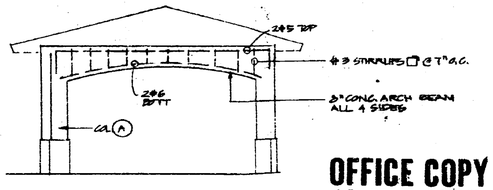
8. (A) DENOTES 8"X12"X12" GRAD. COLUMN REINF. W/ 5-#8 VERT. & #3 TIES @ 8" O.C.



NOTES:
1. FOR CONNECTION OF WOOD TRUSSES TO CONC. BEAMS PROVIDE "DTC" GALV. TRUSS ANCHOR BY "HUGHES" W/ 4-10d NAILS TO SEAT ft. & 7-10d NAILS TO STRAP
2. FOR ROOF SHEATHING PROVIDE MIN. 1/2" 3ply CDX PLYWOOD W/ 8d NAILS @ ALONG EDGES AND @ ALL SUPPORTING TRUSSES.

GAZEBO ROOF FMG. PLAN
1/4"=1'-0"

SUPERIMPOSED LOADS: DL= 25 PSF
LL= 20 PSF
NET UPLIFT = 51 PSF



GAZEBO ELEVATION
1/4"=1'-0"

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PLUMBING:
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MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

A M JULIEN AIA
Miami, Florida
phone (305) 446-4963

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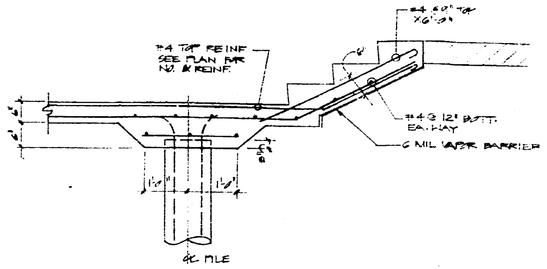
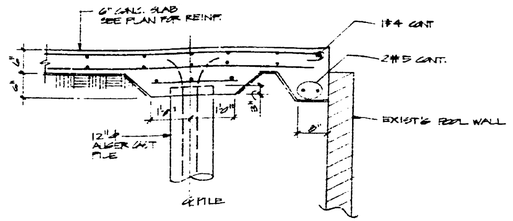
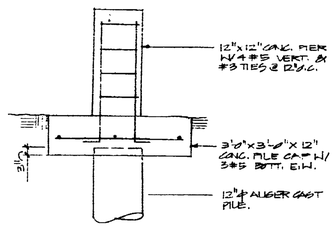
184 SOUTH HIBISCUS DR.
MIAMI BEACH, FL.



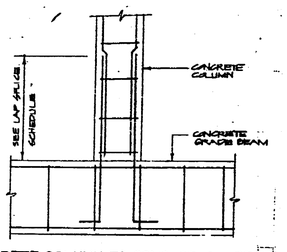
SECTION A
3/4" = 1'-0"



SECTION B
3/4" = 1'-0"



PRIVACY WALL PIER FOUNDATION DETAIL
3/4" = 1'-0"



CONCRETE COLUMN TO CONC. GRADE BEAM CONNECTION DETAIL
N.T.S.

GENERAL STRUCTURAL NOTES

1. General

A. The Contractor shall field check all dimensions on the structural drawings and verify same on the architectural set. Architectural details such as; slab depressions, waterproofing, curbs, mechanical openings, fascia framing and bracing shall be installed as shown on the architectural set.

B. The Contractor shall be responsible for strong and bracing to ensure safe working conditions at all times. All construction shall conform to the South Florida Building Code.

2. Concrete

A. All cast-in-place concrete in this job shall attain a minimum compressive strength (fc) at 28 days of 3000 p.s.i.

B. Concrete work shall conform to all requirements of ACI 301-latest edition specifications for structural concrete for building.

3. Reinforcing Steel

A. Reinforcing steel shall be detailed and placed in accordance with ACI 318-latest ed.

B. Reinforcing steel shall be deformed bars conforming to ASTM A 615 grade 60, unless otherwise noted.

C. All welded wire fabric shall conform to ASTM A 185.

D. Reinforcing to be securely in position with standard accessories during placing of concrete.

E. All bottom bars shall bear 6" minimum over supports.

4. Minimum Concrete Over Reinforcing

	Minimum Clear Cover. (in.)
A. Concrete against and permanently exposed to earth (unformed faces)	3
B. Concrete exposed to earth or weather (formed faces):	
a. #6 bars and larger	2
b. #5 bars and smaller	1 1/2
C. Not exposed to weather or in contact with ground	
a. Structural slabs & walls	3/4
b. Beams and Columns (Primary reinforcement, ties stirrups & spirals)	1 1/2
c. Slabs on grade	1 1/2

5. Masonry

A. Hollow concrete masonry units shall be of a quality of at least equal to that required by ASTM C 90 "standard specifications for hollow load bearing concrete masonry units".

B. All mortar shall comply with the property and proportion specifications of ASTM C 270. Except that slag cements shall not be used. Mortar for exterior walls shall be type M. For interior load bearing walls the mortar shall be type M or S. For interior walls above grade and not supporting loads the mortar shall be type M, S, or N.

C. Whenever anchor bolts are to be set in masonry, two cells at the setting location shall be filled with concrete.

D. Grout for masonry units shall conform to ASTM C 476 and shall attain a compressive strength of f'c= 3000 p.s.i. at 28 days.

E. Prism strength of masonry units shall be minimum of f'm= 1500 p.s.i.

F. Maximum pour lift for masonry units and grout pour height shall be 4'-0".

G. Slump 9" ± 1".

6. Structural Steel

A. Structural steel work shall comply with AISC "specifications for the design, fabrications and erections for buildings" as it appears on the manual of steel construction, latest edition.

B. Structural steel shapes, bars, plates and pipes shall conform to ASTM A 36, FY= 36 KSI.

C. Structural steel tubing shall conform to ASTM A 46, FY= 46 KSI.

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ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

1/24

2-25-97 2-19-97 2-6-97

Zvonimir T. Beltranin, P.E.
Consulting Structural Engineer

A M JULIEN A1A
phone (305) 445-4963 Miami, Florida

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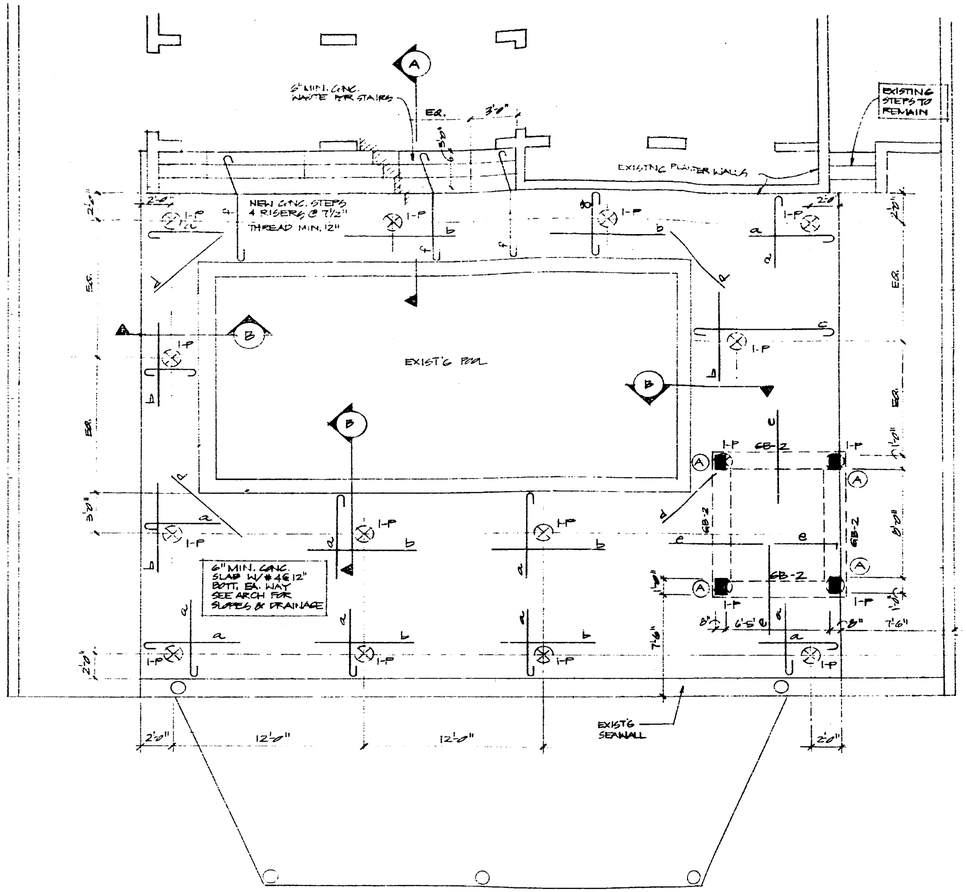


POOL DECK FOUNDATION PLAN

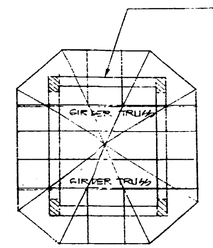
1/4" = 1'-0"

PLAN NOTES:

1. ⊗ DENOTES 12" ϕ AUGER CAST CONCRETE PILES W/ ASSUMED 25 TONS COMPRESSION CAPACITY. ANNER TO APPOINT A GEOTECHNICAL ENGINEER TO DETERMINE PILE COMPRESSION CAPACITY. PILE REINFORCING TO BE 4 #5 VERT. FULL DEPTH, #2 TIES @ 12" O.C., GROUT f'c = 4000 PSI @ 28 DAYS.
2. PLACE ALL G.N.C. SLABS OVER 6 MIL. VAPOR BARRIER OVER GRADE.
3. PER 6" G.N.C. SLAB PROVIDE #4 @ 12" BOTT. REINF. EA. WAY.
4. (⟵) DENOTES DIRECTION OF SLAB MAIN REINF. (OTHER MAT LAYER.)
5. (═══) DENOTES SLAB TOP REINF.
6. (- - - -) DENOTES SLAB BOTT. REINF.
7. GB-2 DENOTES 12" x 18" G.N.C. GRADE BEAM REINF. W/ 3 #5 T & B, 2 #6 BOTT., & #3 STIRRUPS □ @ 6" O.C.
8. Ⓐ DENOTES 8" x 12" G.N.C. COLUMN REINF. W/ 4 #5 VERT & #2 TIES □ @ 8" O.C.

BAR NOTATION:

a. 8 #4 @ 8" TOP x 6'-0" + 180° HOOK CENTERED ABOUT PILE.
b. 12 #4 @ 8" TOP x 6'-0" CENTERED ABOUT PILE BELOW.
c. #4 @ 8" TOP + 180° HOOK EA END
d. 2 #6 T & B x 5'-7"
e. #4 @ 8" TOP x 6'-0"
f. #4 @ 8" TOP W/ 180° HOOK EACH END, BENT AS REQ'D.
g. #4 @ 8" TOP W/ 180° HOOK EACH END.



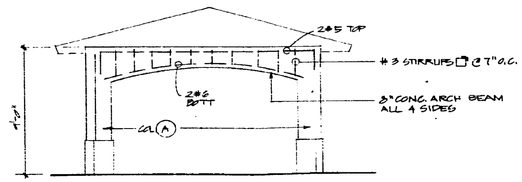
NOTES:

1. FOR CONNECTION OF WOOD TRUSSES TO G.N.C. BEAMS PROVIDE "H2" GALV. TRUSS ANCHOR BY "HUGHES" W/ 4-10d NAILS TO SEAT & 8-9-10d NAILS TO STRAP
2. FOR ROOF SHEATHING PROVIDE MIN. OF 3/8" CDX PLYWOOD W/ 8d NAILS @ 6" ALONG EDGES AND @ ALL SUPPORTING TRUSSES.

GAZEBO ROOF FMG. PLAN

1/4" = 1'-0"

SUPERIMPOSED LOADS: DL = 25 PSF
LL = 20 PSF
NET UPLIFT = 51 PSF



GAZEBO ELEVATION

1/4" = 1'-0"

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BUILDING:
ZONING: 3/14/97
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ELECTRICAL:
MECHANICAL:
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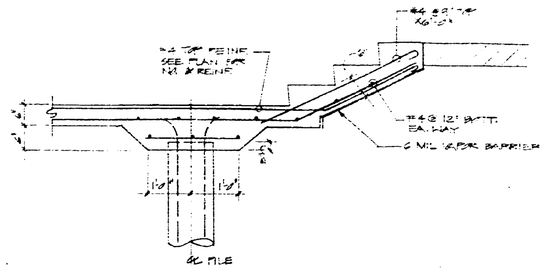
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:
3-1-97
2-14-97
2-6-97
Zvonimir T. Belfrasin, P.E.
Consulting Structural Engineer

A M JULIEN AIA
Miami, Florida
phone (305) 445-4963

ALCANTARA RENOVATIONS
184 SOUTH HI BISCUS DR.
MIAMI BEACH, FL.


#4 @ 8" o/c
#5 TOP REINF SEE PLAN FOR REINF
#4 @ 12" BOTT. EA. WAY
6 MIL VAPOR BARRIER
4" MIN.
1'-0"
1'-0"
24" MIN.
24" MIN.
24" MIN.

B9701479

PERMIT NUMBER

B9701479

ADDRESS

15

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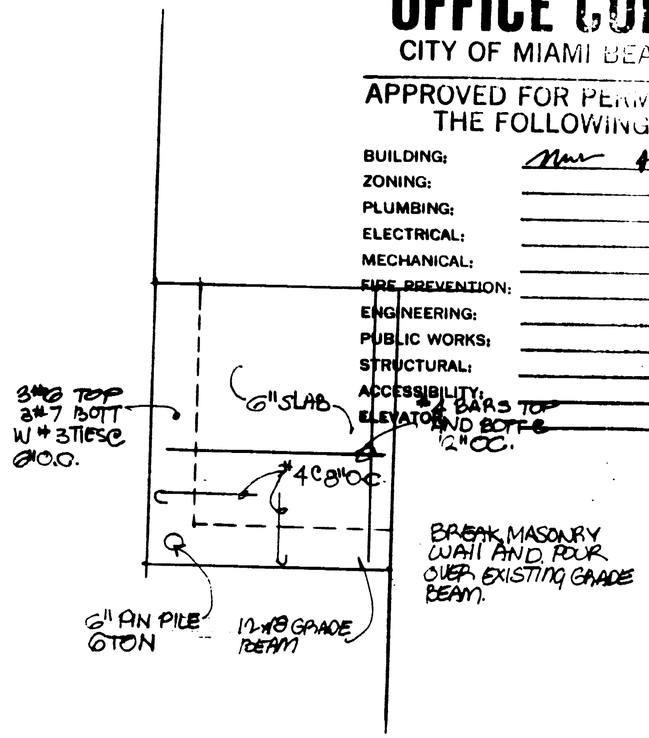
ACCESSIBILITY:
ELEVATOR:



BATHROOM FOUNDATION
3/8" = 1'-0"

B9701479

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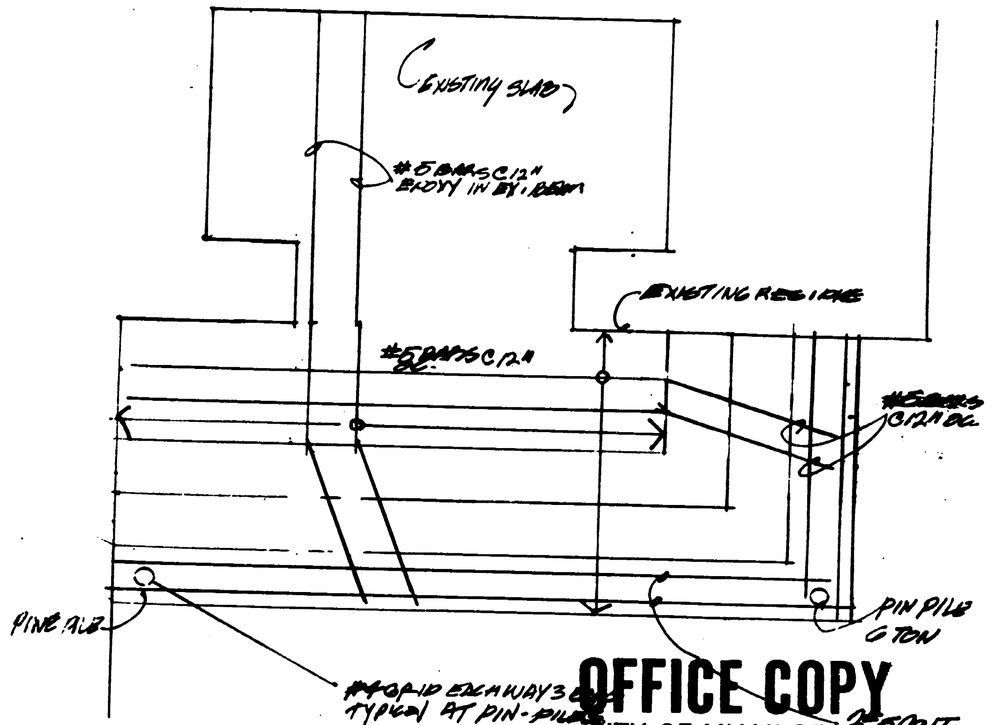

* NOTE: DOWEL ALL STEPS INTO EXISTING CONC.

4-21-97

STAIR PLAN

SCALE 3/8" = 1'-0"

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BUILDING: N
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

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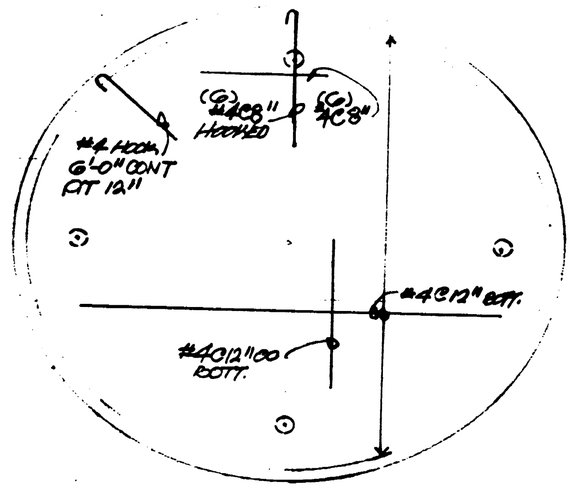
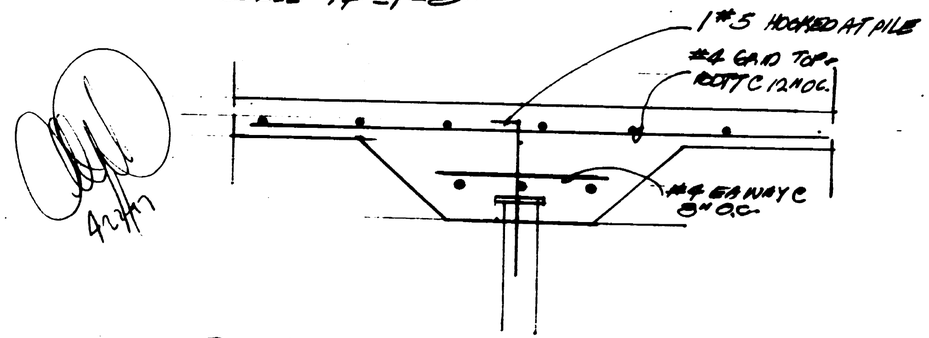
ALBERTO JULIEN
184 S. HIBISCUS DR.

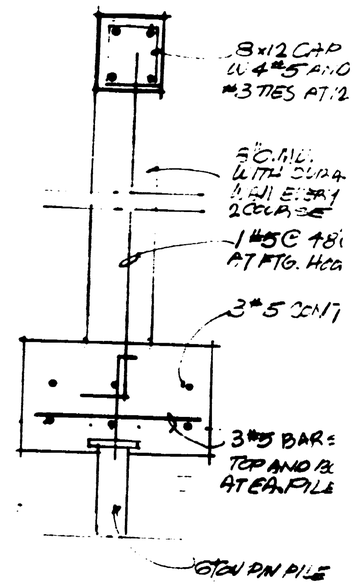


FLOOR PLAN SLAB
SCALE 1/4"=1'-0"



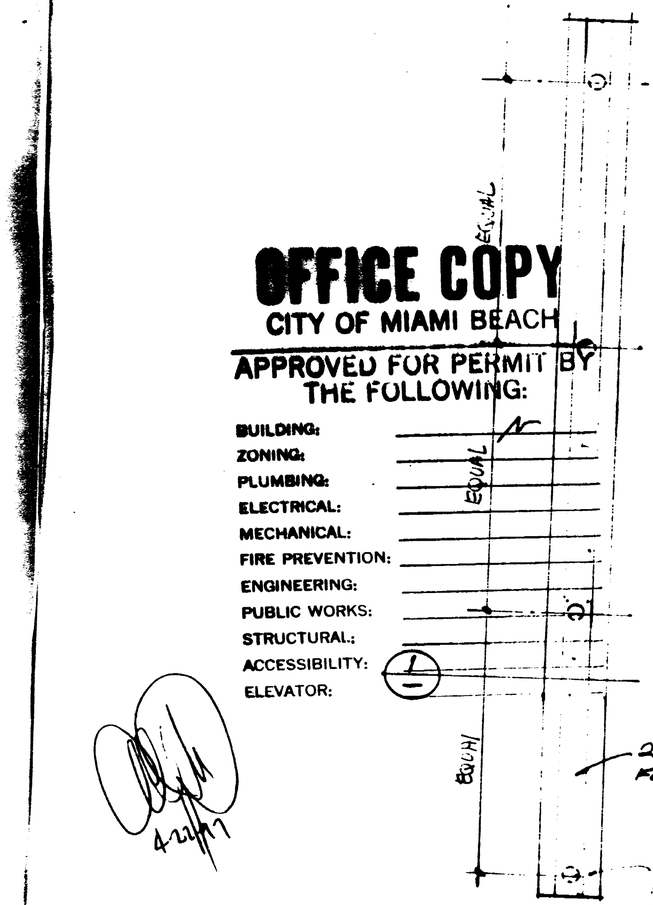
DETAIL 2
SCALE 1/4"=1'-0"

15



DETAIL 1

SCALE 3/4"=1'-0"



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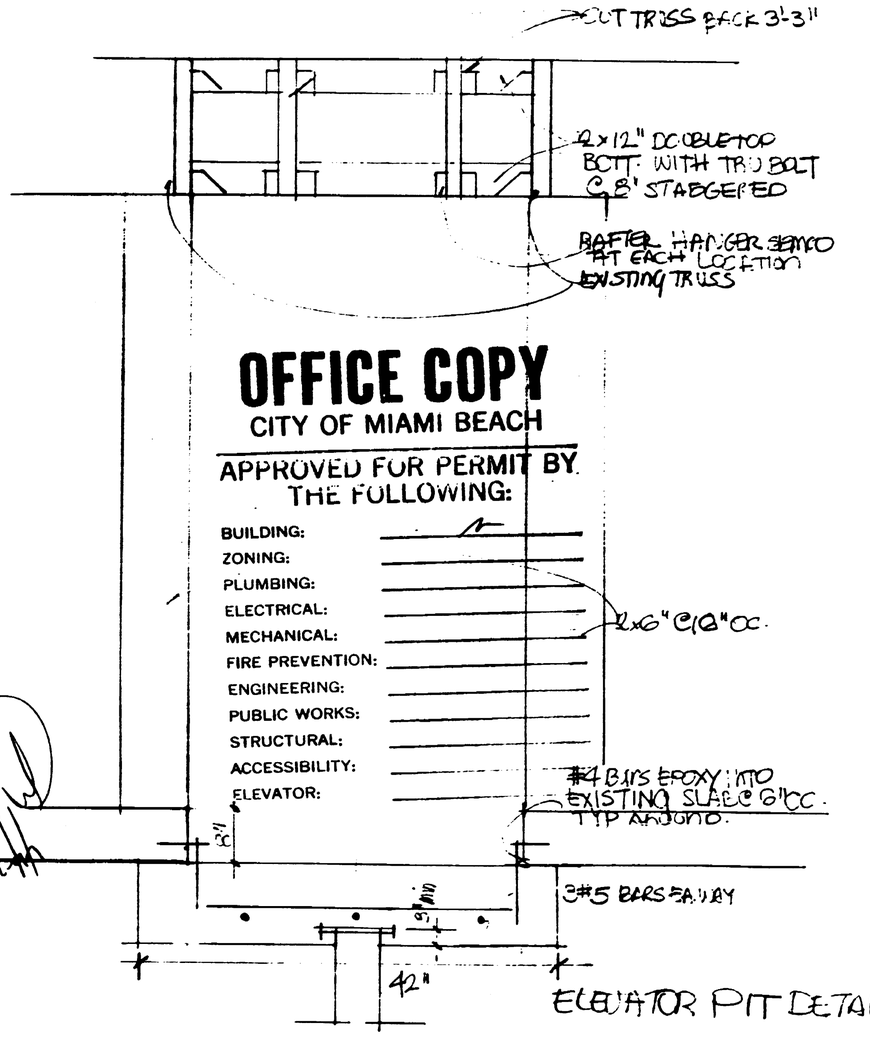
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

OCEAN WALL FLOOR PLAN

SCALE 1/4"=1'-0"

15



ELEVATOR PIT DETAIL

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PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

15

Permit History - PermitsPlus

Total Permits: 29

Permit No	COMP TYPE	SUB TYPE	DESCRIPTION
BREV131106	BREV	ALTRMD	Revision to B1104931/ remove and replace 4
BE131159	BSUBELEC	DEMO	B1104931/ Electrical Demo.
BE123373	BSUBELEC	ALTRMDL	B1104931/ new 3 receptacles, 120 volt and
B1104931	BUILD	MRNE	MODIFICATION AND ADDITION OF
BMS1001839	BMISC	DOC HIST	5 COPIES
BM100625	BMECH	A/C	RAISE 2 EXISTING CONDENSER BY
BMS1001253	BMISC	DOC HIST	17 PAGES
BL971611	BELEV	ELEV	INSTALL RESIDENTIAL ELEVATOR MB-
BMS0600126	BMISC	DOC HIST	5 COPIES MICROFILM
B0401380	BSBUILD	MRNE-R	CONSTRUCTION OF (4) PILES 6'X20'
BE032857	BELEC	ALTRMDL	10 ROLL UP SHUTTERS. 10 MOTORS
B0303639	BSBUILD	SHUTTERS	Installation of hurricane shutters.
BM970965	BMECH	OTH	INSTALL RESIDENTIAL ELEVATOR MB-
B9702125	BSBUILD	ALT	INSTALL WINDOWS DOORS AND
BP970649	BPLUM	ALT	ALT.& ADDITION/PLUMBING FIXTURES
BE971019	BELEC	ALT	OUTLETS MOTORS AND POOL
B9701479	BUILD	ALT	ALT.&
B9701399	BSBUILD	ALT	CONST WOOD DCK SUPPT ON PILES/2
BCC93065	BCCOMP	ALT	C.C. FOR ADDITION TO REAR OF EXST
BMS31839	BMISC	OTH	CHANGE OF CONTRACTOR PERMIT
BCO93308	BCOCC	OTH	TEMP CO FOR ADDITION
B9300127	BUILD	ALT	NEW 380 SQ.FT.BOAT DOCK
BS930496	BSBUILD	OTH	NEW ROOF FOR ADDITION/SEE COMM
BMS30109	BMISC	OTH	PERMIT #B9200184 LOST PLANS (S/F)
BM921101	BMECH	NEW	INST 9.5T SYS ST HT DT WK MECH VENT
BMS21307	BMISC	OTH	PERMIT #B9200184 SLAB REINSPECTION
BP920791	BPLUM	OTH	PLUMBING REMODELING FOR ADDITION
BE920921	BELEC	ALT	OUTLETS,APPLS,A/C,MOTOR,LIGHT FIX
B9200184	BUILD	ALT	TWO STORY ADDITION TO REAR OF

STATUS	APPLIED DATE	APPROVED DATE	EXPIRED/FINALED DATE	VAL TOTAL
FINAL	3/29/2013	3/29/2013	1/1/0001	$0.00
FINAL	1/28/2013	1/28/2013	7/27/2013	$600.00
FINAL	9/27/2012	9/27/2012	5/1/2013	$800.00
FINAL	8/25/2011	9/20/2011	5/1/2013	$30,000.00
CLOSED	4/7/2010	1/1/0001	1/1/0001	$0.00
FINAL	3/17/2010	3/24/2010	9/27/2010	$850.00
CLOSED	2/8/2010	1/1/0001	1/1/0001	$0.00
APPROTHR	10/1/2006	9/19/2000	9/30/2016	$0.00
CLOSED	10/6/2005	1/1/0001	1/1/0001	$0.00
FINAL	12/30/2003	1/21/2004	2/1/2005	$8,000.00
FINAL	9/23/2003	9/24/2003	4/6/2004	$1,200.00
FINAL	6/18/2003	6/18/2003	4/6/2004	$24,240.00
FINAL	7/30/1997	7/30/1997	2/21/1998	$15,000.00
FINAL	4/29/1997	5/7/1997	2/23/1998	$6,000.00
CLOSED	4/9/1997	4/14/1997	2/23/1998	$1,950.00
FINAL	4/8/1997	4/8/1997	2/23/1998	$1,900.00
CLOSED	2/27/1997	3/18/1997	2/23/1998	$60,000.00
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APPROVED	9/1/1993	9/16/1993	1/1/0001	$0.00
CLOSED	9/1/1993	9/1/1993	1/1/0001	$0.00
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CLOSED	2/5/1993	2/11/1993	8/10/1993	$8,000.00
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CLOSED	8/18/1992	8/18/1992	2/9/1994	$10,000.00
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PARCEL NO	STREET NO	DIR	STREET NAME
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