

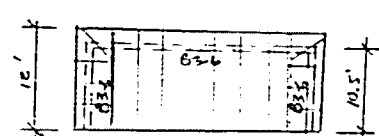
PERMIT #

B0203188

15

A. Design New Structure, EIGHTH FOR
Rear Puck Addition

(1) Determine Uplift on Rear Addition
Roof.



(Table 6-3)
 K_z @ 30' = .38
 K_z = .38 (Case 142)
 V = 146 mph
 I = 1.0
 K_{ec} = 1.0
 K_d = .25
 G = .85
 GCP = ± 1.8

Roof Rafters 10" C Cury
 @ 24" O.C

Effective Area = Length of
 $10.5 \times 2.0 = 21$ ft

$10.5 \times 10.5/3 = 36.7$ SF

(Figure 6-5a)
 GCP = +.25 for Zone 1, 2 & 3
 GCP = -.09 for Zone 1
 GCP = -1.4 for Zone 2
 GCP = -2.6 for Zone 3

LATEST CHANGES 7-12-03

Edward A. LANDERS, P.E.
 CONSULTING ENGINEERS
 1045 2nd Ave.
 3-6-03

a = Sum of .1 (4) = 4.0' ← Controls
 u = .4 (27.0) = 10.8'

WIND PRESSURES:

P = $45.45 (.25 + 1.8) = +19.54$ At Zone 1
 P = $45.45 (-1.9 - 1.8) = -149.08$ Zone 1
 P = $45.45 (-1.4 - 1.8) = -171.81$ Zone 2
 P = $45.45 (-2.0 - 1.8) = -199.08$ Zone 3

OVERHANG PRESSURES:

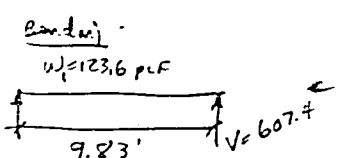
P = $45.45 (-1.7 - 1.8) = -185.44$ Roof Overhang
 P = $45.45 (-1.2 - 1.8) = -171.77$ Corners

NET UPLIFT:

Zone 1 = $-49.08 + 10.0 = -39.08$ psf
 Zone 2 = $-171.81 + 10.0 = -161.81$ psf
 Zone 3 = $-199.08 + 10.0 = -189.08$ psf
 Uplift @ Gable = $-85.4 + 10.0 = -75.4$ psf
 Uplift @ Corners = $-89.9 + 10.0 = -79.9$ psf

Edward A. LANDERS, P.E.
 CONSULTING ENGINEERS
 1045 2nd Ave.
 3-6-03

(2) DESIGN ROOF PATTERNS.



M = $\frac{123.6 (9.83)^2}{8}$

M = 17914.9

$S_{123} = \frac{17914.9}{12.0} = 1492.9$ psf

$S_{212} = \frac{115 \times 9.25^3}{6} = 21.3$ psf

DESIGN WIND: (Gravity)
 LL = 30 psf
 DL = 20 psf
 $TOTM$ = 50 psf

DESIGN WIND (Uplift)
 Zone 1 = -61.8 psf
 - Controls
 Spacing = 2.0'

Check Floor:

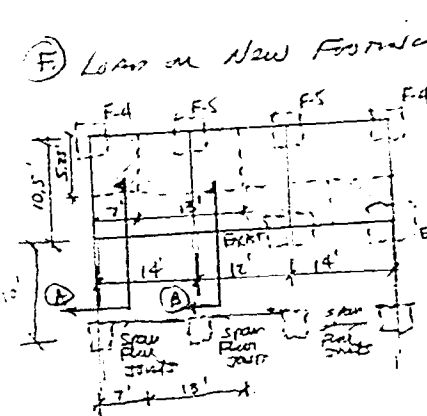
$f_v = \frac{3}{8} \frac{(60 \times 4)}{(1.5)(9.25)} = 65.6$ psi < 90 psi (OK)

Check Collection: $1/240$ = Allowable = $\frac{9.83(12)}{240} = .49$
 $\Delta = \frac{5 (123.6) (9.83)^4 1728}{384 (1.6 \times 10^6) (1728)} = .16$ < .49 (OK)

USE: 2x10's @ 24" O.C

Edward A. LANDERS, P.E.
 CONSULTING ENGINEERS
 1045 2nd Ave.
 3-6-03

$P = .0058$
 $A_s = .0058 (12)(5.50)$
 $= .38 \text{ in}^2$
 USE: #6 Bars @ 12" o.c.
 $A_s = .44 \text{ in}^2 > .38 \text{ in}^2$



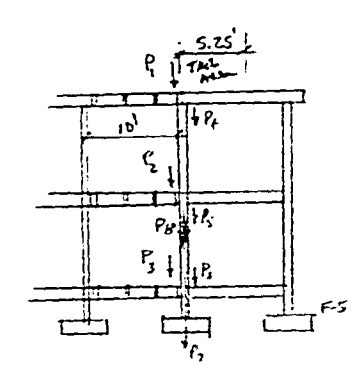
Load on F-4
 Roof: $7 \times 7.25 \times 50 = 2537$
 Column: $\frac{12.25}{144} \times 150 \times 8 = 1020$
 2nd Floor: $13 \times 5.25 \times 225 = 15356$
 Column: $\frac{12.25}{144} \times 150 \times 8 = 1020$
 1st Floor: $13 \times 5.25 \times 225 = 15356$
 Column: $\frac{12.25}{144} \times 150 \times 8 = 1020$
 Footing: $5' \times 5' \times 150 = 3750$
 Total = 42443
 Soil Bearing Pressure = 2000 p.s.f.
 ∴ Size Footing = $\frac{42443}{2000} = 21.22 \text{ SF}$
 USE: $4' \times 4' \times 16$ 1656

	(305) 823-3938		C.A.C.S.	
	3-6-03		10	

Load on F-5
 Roof: $7 \times 7.25 \times 50 = 2537$
 Column: $\frac{12.25}{144} \times 150 \times 8 = 1020$
 2nd Floor: $13 \times 5.25 \times 225 = 15356$
 Column: $\frac{12.25}{144} \times 150 \times 8 = 1020$
 1st Floor: $13 \times 5.25 \times 225 = 15356$
 Column: $\frac{12.25}{144} \times 150 \times 8 = 1020$
 Footing: $5' \times 5' \times 150 = 3750$
 Total = 42443
 Soil Bearing Pressure = 2000 p.s.f.
 ∴ Size Footing = $\frac{42443}{2000} = 21.22 \text{ SF}$
 USE: $5' \times 5' \times 16$ 1656
 or 5' x 8' Bars @ 10" Bottom

Check Load on Existing Footings
 (See detail on p. 10)

	(305) 823-3938		C.A.C.S.	
	3-6-03		11	



Design Load for Existing
 Roof: 34 p.s.f.
 DL: 24 p.s.f.
 Total = 58 p.s.f.
 1st Floor: 40 p.s.f.
 DL: 25 p.s.f.
 Total = 65 p.s.f.

Section B-B
 Roof (Existing) = $13.0 \times 5 \times 50 = 3250$
 2nd Floor = $13.0 \times 5 \times 225 = 14625$
 1st Floor = $13.0 \times 5 \times 225 = 14625$
 (New) = $27 \times 8 \times 13 = 28080$
 Total Existing = 32400

New Standing
 Roof = $D_L = 13.0 \times 5.25 \times 50 = 3412$
 2nd Floor = $13.0 \times 5.25 \times 225 = 15356$
 1st Floor = $13.0 \times 5.25 \times 225 = 15356$
 New Total = 34124
 Existing Footing Not Adequate = 2400

	(305) 823-3938		C.A.C.S.	
	3-6-03		12	

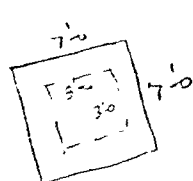
Summary: C (Section A-B)

EXISTING WFT = 39780
 EXIST. FUNDING = 2400
 NEW BRIDGE = 34124
 TOTAL = 76304

Soil Brg Pressure = 2000 psf

∴ SIZE FUNDING = $\frac{76304}{2000} = 38.15$

Need FUNDING 7'-0" x 7'-0" x 1'-0"
 Existing: 3' x 3' x 1'-0"



SECTION A-A (See Sect B-B on P. 12)
 1' PLAN ON P. 10

Roof (EXIST) = $P_1 = 7.0 \times 5 \times 50 = 1750$
 2^{nd} FL = $P_2 = 7.0 \times 5 \times 65 = 2275$
 1^{st} FL = $P_3 = 7.0 \times 5 \times 65 = 2275$
 WIND = $P_4 = 27 \times 20 \times 12 = 6480$
 TOTAL EXIST = 32220

Roof = $P_1 = 7.0 \times 5.25 \times 50 = 1837$
 2^{nd} FL = $P_2 = 7.0 \times 5.25 \times 65 = 2368$
 1^{st} FL = $P_3 = 7.0 \times 5.25 \times 65 = 2368$
 WIND = $P_4 = 27 \times 20 \times 12 = 6480$
 TOTAL NEW = 12653

Edward A. LANDERS, P.E.
 CONSULTING ENGINEERS
 (305) 823-3938
 8-6-03 15

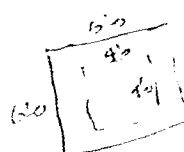
Summary C (Sect A-A)

EXISTING WFT = 32220
 EXISTING FUNDING = 2400
 NEW BRIDGE = 18373
 TOTAL = 52993

Soil Brg Pressure = 2000 psf

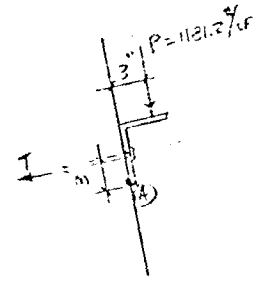
∴ SIZE FUNDING = $\frac{52993}{2000} = 26.5$

Need: 6'-0" x 6'-0" x 1'-0"
 Existing: 4'-0" x 4'-0"



Edward A. LANDERS, P.E.
 CONSULTING ENGINEERS
 (305) 823-3938
 3-6-03 14

Design (ch) Anal For Support of SCAB



$P = 5.25 \times 225 = 1181.25$

$3T = P(3) = 1181.25(3)$
 $T = \frac{P(3)}{3} = 1181.25$

Design Anal:

$t = \sqrt{\frac{4V_0 C_u}{\pi q_b}}$
 $= \sqrt{\frac{4(1181.25)(3)}{(90)(3.5)(12)}}$

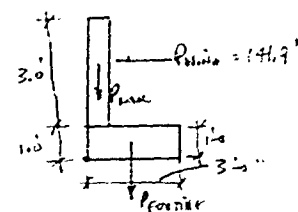
$t = 1.9$
 ∴ 6'-0" x 6'-0" Anal (OK)
 USE 6'-0" x 6'-0"

Capacity: (Tension)
 (1) $0.8 P_u (5') = 2400$
 (2) $0.8 P_u (12') = 4800$
 (3) $0.8 P_u (12') = 4800$
 ∴ 3'-0" x 6'-0" Anal = 2400

USE: 3'-0" x 6'-0" Bolt
 @ 12'-0" O.C.

Edward A. LANDERS, P.E.
 CONSULTING ENGINEERS
 (305) 823-3938
 3-6-03 15

⑫ check design of wall



$$\begin{aligned} \sigma_z &= 0.0255 K_b K_{sc} K_d V^2 I \\ I &= 1.0 \quad V = 146 \\ K_{sc} &= 1.0 \\ K_d &= 1.25 \\ K_b &= 0.85 \\ \sigma_z &= 0.0255 (1.0)(1.25)(1.0)(146)^2(0.85) \\ \sigma_z &= 39.42 \text{ psf} \end{aligned}$$

$$\begin{aligned} P_{wall} &= 3.0 \times 39.42 = 118.26 \text{ kips} \\ P_{base} &= 3.0 \times 1.0 \times 150 = 450 \text{ kips} \\ \Sigma M_A &= 0 \end{aligned}$$

$$\begin{aligned} P_{wall} &= F = \sigma_z G F C_F A_F \\ C_F &= 1.2 \quad \text{from 6-11} \\ A_F &= 3.0 \times 1.0 = 3.0 \text{ SF} \\ G_F &= 1.0 \quad \text{from 6-11} \\ P_{wall} &= 39.42 (1.0)(1.2)(3.0) = 141.9 \text{ kips} \end{aligned}$$

$$\text{Period (1.5)} = \text{Period (1.5)} + \text{Period (1.5)}$$

$$\begin{aligned} 141.9 (1.5) &= 240 (1.33) + 450 (1.5) \\ 212.8 &= 300 + 675 \\ \text{No overturning} \end{aligned}$$

	Edward A. LANDERS, P.E. CONSULTING ENGINEERS (205) 823-3938	
	CMC 3-6-03	16

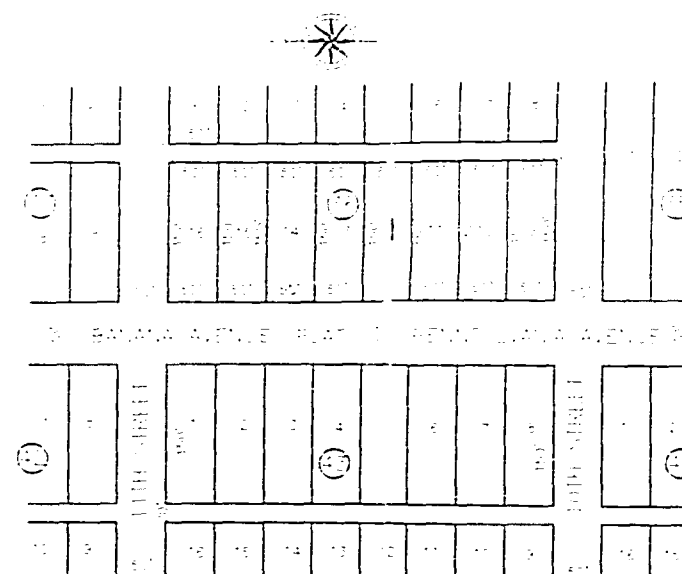
check Ret in wall:

$$\begin{aligned} 141.9 (3.5) &= 212.8 \text{ kips} = 255.4 \text{ kips} \\ \approx 5 \text{ bars @ } 4 \text{ p.c.} &= 6534 \text{ kips} > 255.4 \text{ kips (OK)} \end{aligned}$$

	Edward A. LANDERS, P.E. CONSULTING ENGINEERS (205) 823-3938	
	CMC 3-7-03	17

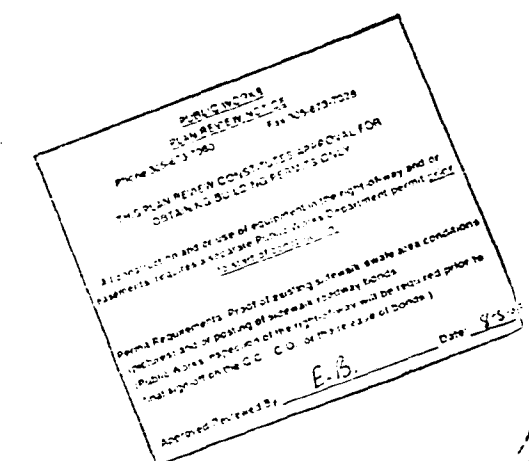
PLANS

FOR
1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139



PREPARED
FOR
SUNDIAL HOLDING, INC.

SHEET 1 OF 15	COVER
SHEET 2 OF 15	SITE PLAN
SHEET 3 OF 15	EXIST. FLOOR PLAN DEMOLITION
SHEET 4 OF 15	EXIST. ELEVATION DEMOLITION
SHEET 5 OF 15	PROPOSED FLOOR PLAN
SHEET 6 OF 15	PROPOSED ELEVATIONS
SHEET 7 OF 15	PROPOSED ELECTRIC RISER DIAGRAM
SHEET 8 OF 15	PROPOSED ELECTRIC PLAN
SHEET 9 OF 15	PROPOSED PLUMBING PLAN
SHEET 10 OF 15	WATER DISTRIBUTION SANITARY RISER
SHEET 11 OF 15	FOUNDATION PLAN
SHEET 12 OF 15	PATIO SLAB/ROOF FRAMING PLAN
SHEET 13 OF 15	SECTION THRU PATIO WEST CB FENCE
SHEET 14 OF 15	INTERIOR STAIRS DETAIL
SHEET 15 OF 15	DETAILS

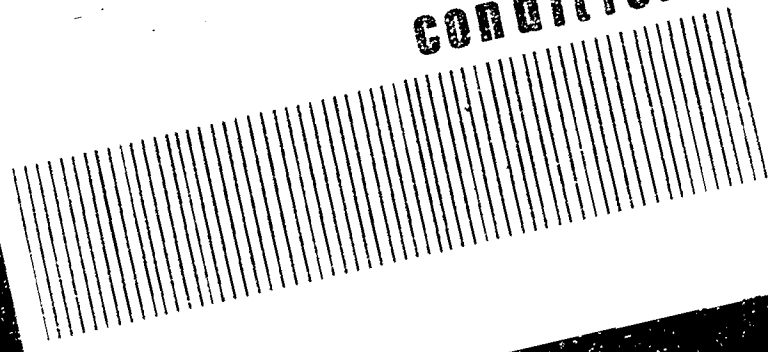


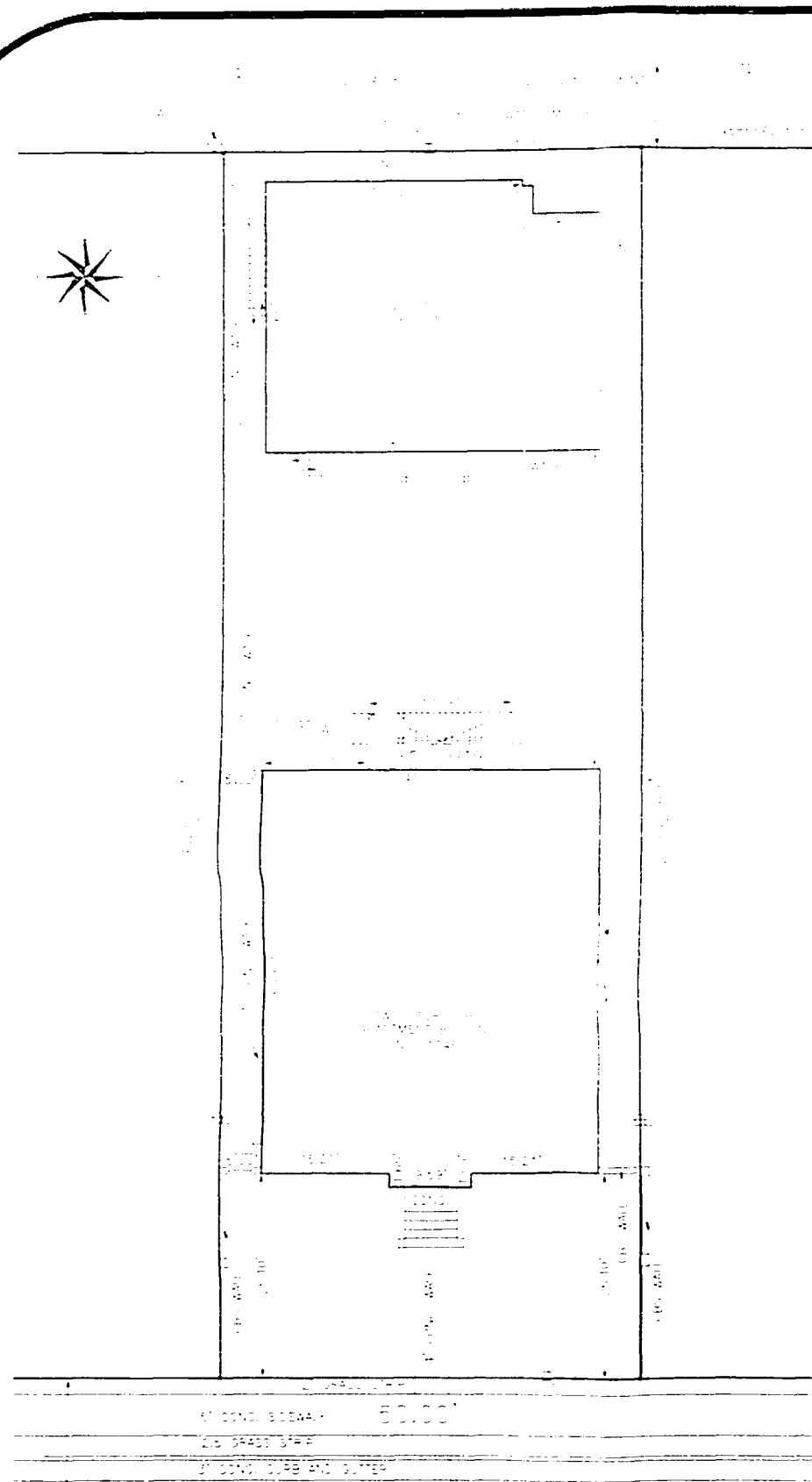
APPROVED BY	PERMIT BY
THE PROJECT	ING:
BUILDING	10/1/75
PLUMBING	8/1/75
ELECTRICAL	8/1/75
Mechanical	8/1/75
Fire Protection	8/1/75
Engineering	8/1/75
Public Works	8/1/75
Structural	8/1/75
Access/Egress	8/1/75
Elevator	8/1/75

[Handwritten signature]
07/1/75

**PREVIOUS
DOCUMENT**

**IS
in poor
condition**

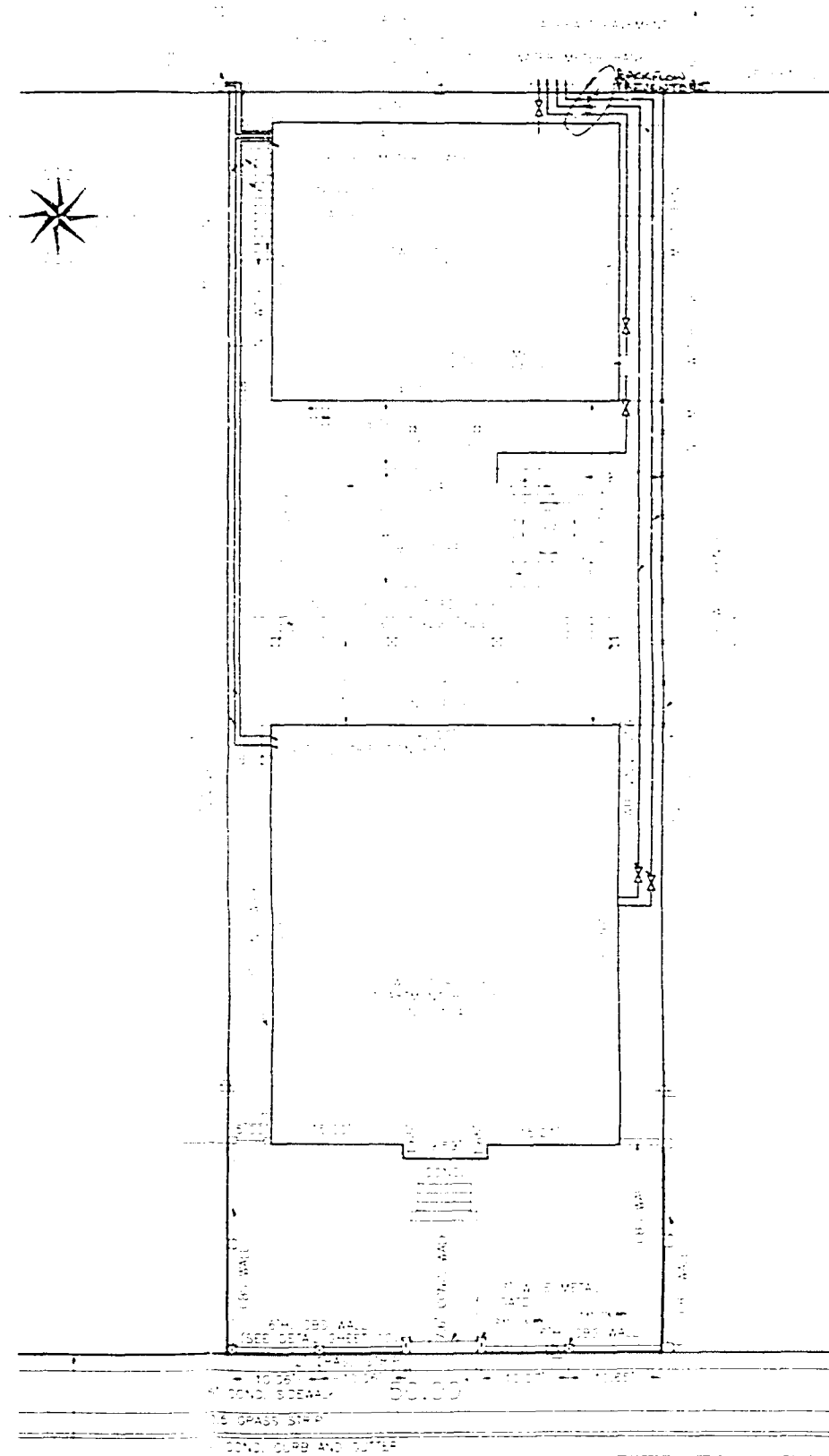




PENNSYLVANIA AVENUE
70' R.O.W.
BANANA AVENUE (PLAT)

45' ASPHALT PAVEMENT

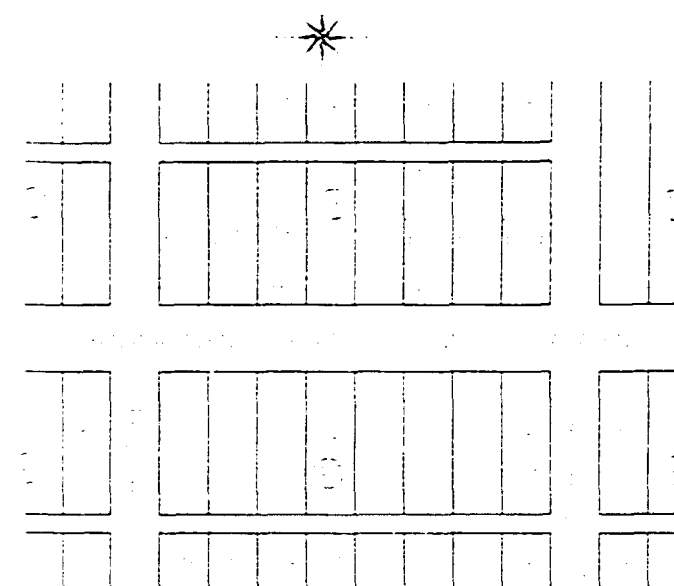
EXISTING SITE PLAN



PENNSYLVANIA AVENUE
70' R.O.W.
BANANA AVENUE (PLAT)

45' ASPHALT PAVEMENT

PROPOSED SITE PLAN



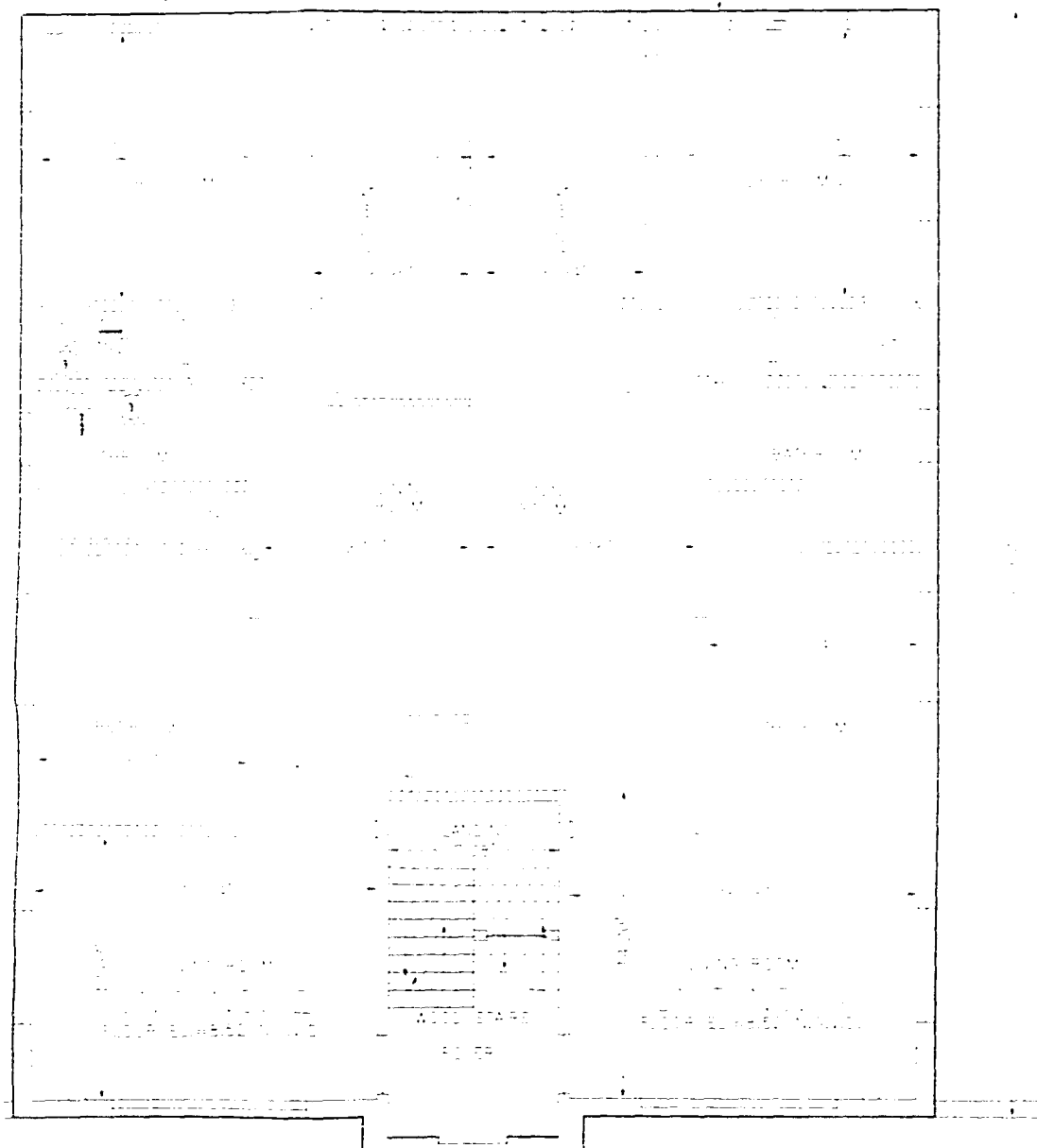
Handwritten notes and signatures.

REV.NO.	REVISION MADE	DATE

Signature
VICENTE VILLA
REGISTERED ENGINEER NO. 32077, STATE OF FLORIDA
100, UNLESS ENDORSED BY AN ENGINEER'S SEAL

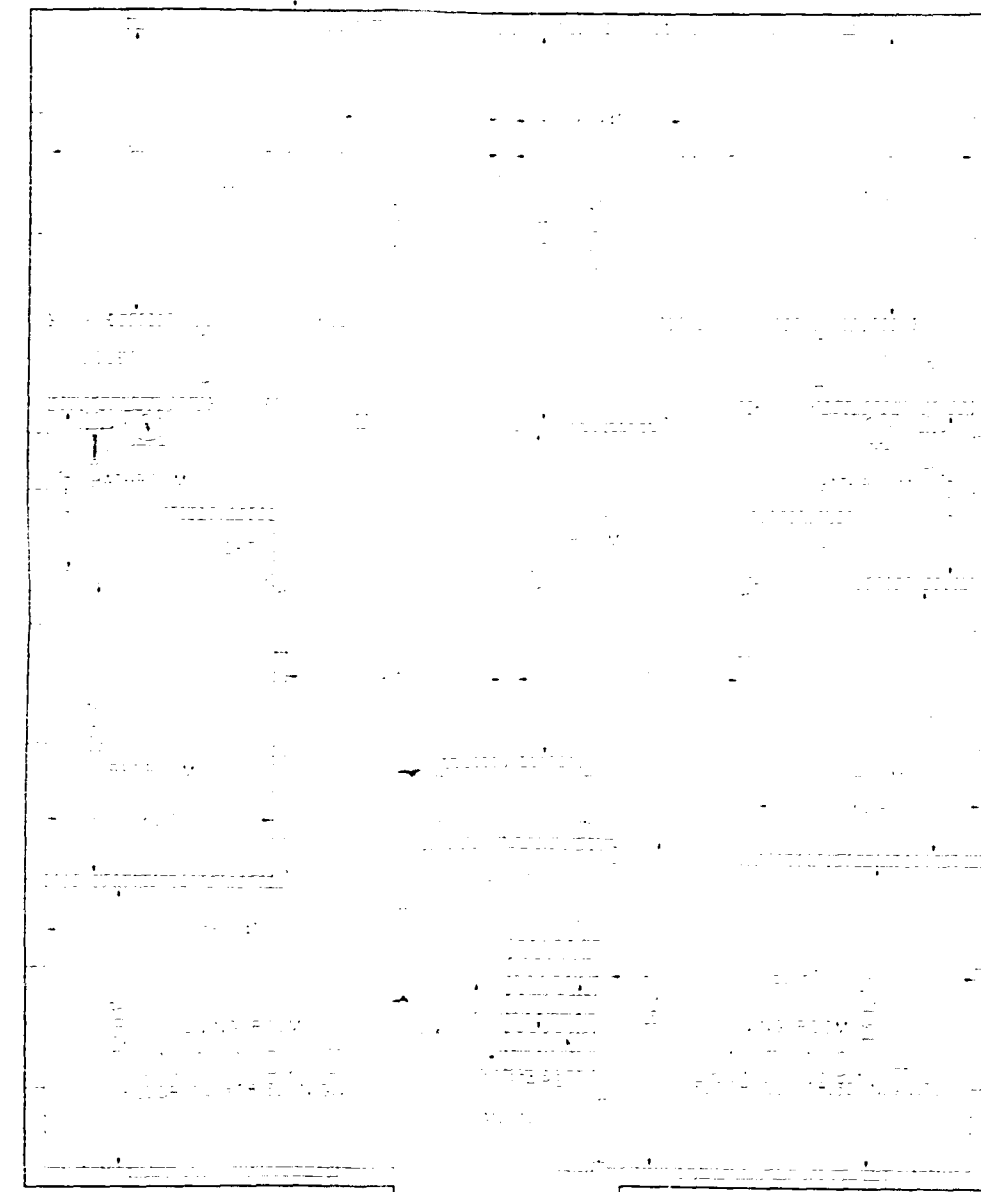
TITLE: SITE PLAN
LOCATION: 1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139
PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3228
DRAWN BY: VV CHECKED BY: VV APPROVED BY: VV SCALE: 1"=10' FILE NO: 1045

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
6475 S.W. 130TH PLACE, SUITE 408
MIAMI, FLORIDA 33183
PHONE (305) 387-6115



DOOR
WINDOW
STAIRS
ELEVATOR

SCALE 1"=4'



APPROVED FOR PERMIT BY
THE FOLLOWING:
ENGINEER
ARCHITECT
PLUMBER
ELECTRICIAN
MECHANICAL
STRUCTURAL
ACCESSIBILITY
ELEVATOR

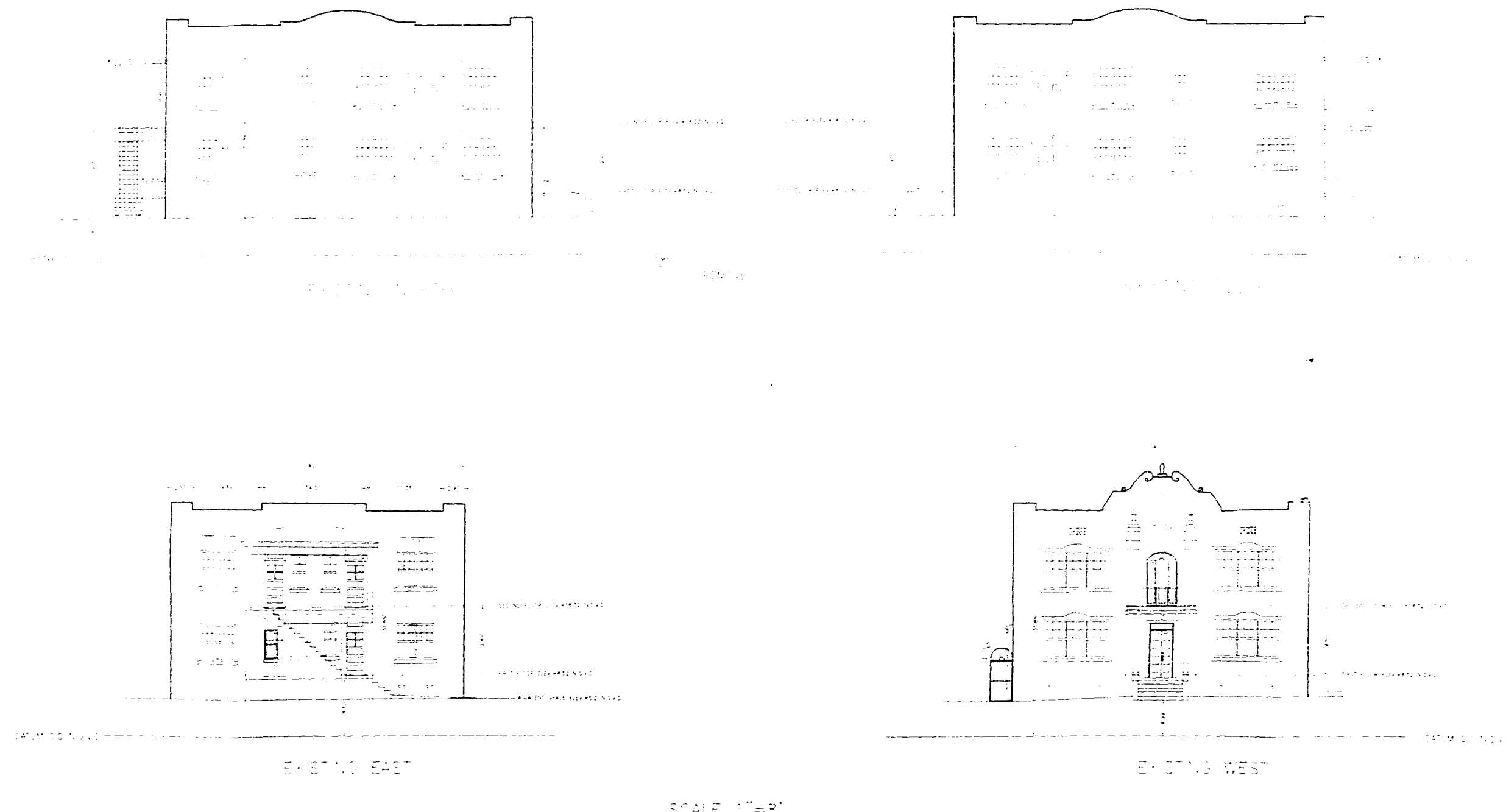
EXISTING FIRST FLOOR

REV. NO.	REVISION MADE	DATE

VICENTE VILLA
REGISTERED ENGINEER NO. 32077, STATE OF FLORIDA
YOUR LICENSE ENDORSED BY AN ENGINEER'S SEAL

TITLE: EXISTING FLOOR PLAN
LOCATION: 1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139
PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3228
DRAWN BY: V.V. CHECKED BY: V.V. APPROVED BY: V.V. SCALE: 1"=4' FILE NO:

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
6475 S.W. 130TH PLACE, SUITE 408
MIAMI, FLORIDA 33183
PHONE: (305) 387-5115



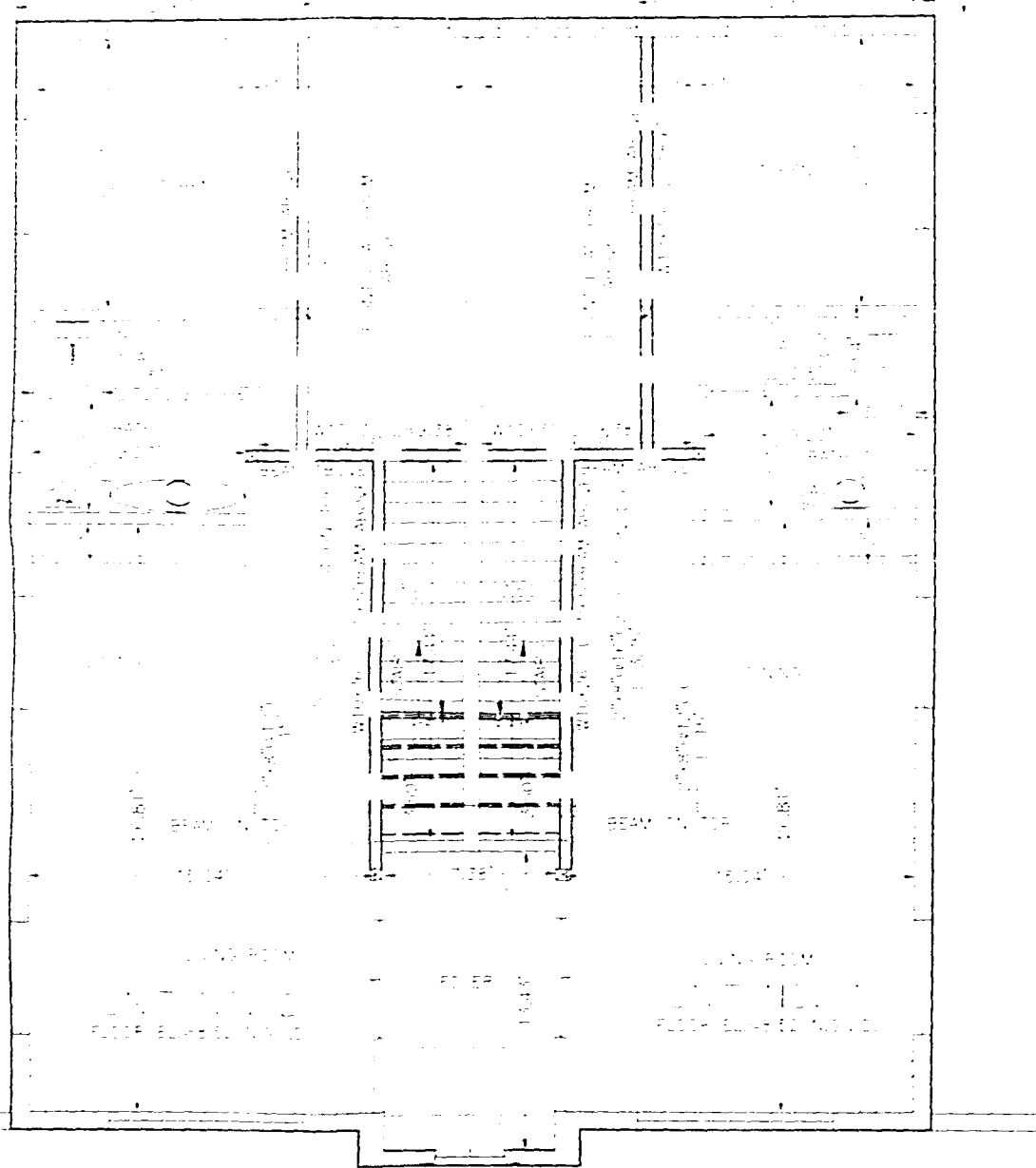
APPROVED FOR PERMIT BY
 THE FOLLOWING:
 CIVIL ENGINEER
 ELECTRICAL ENGINEER
 MECHANICAL ENGINEER
 PLUMBING ENGINEER
 PREPARED BY
 ENGINEERING
 ARCHITECT
 ACCESS DUTY
 ELEVATOR

REV. NO.	REVISION MADE	DATE

VICENTE VILLA
 REGISTERED ENGINEER NO. 32077, STATE OF FLORIDA
 10100 W. 10TH AVENUE, SUITE 100, MIAMI, FLORIDA 33157

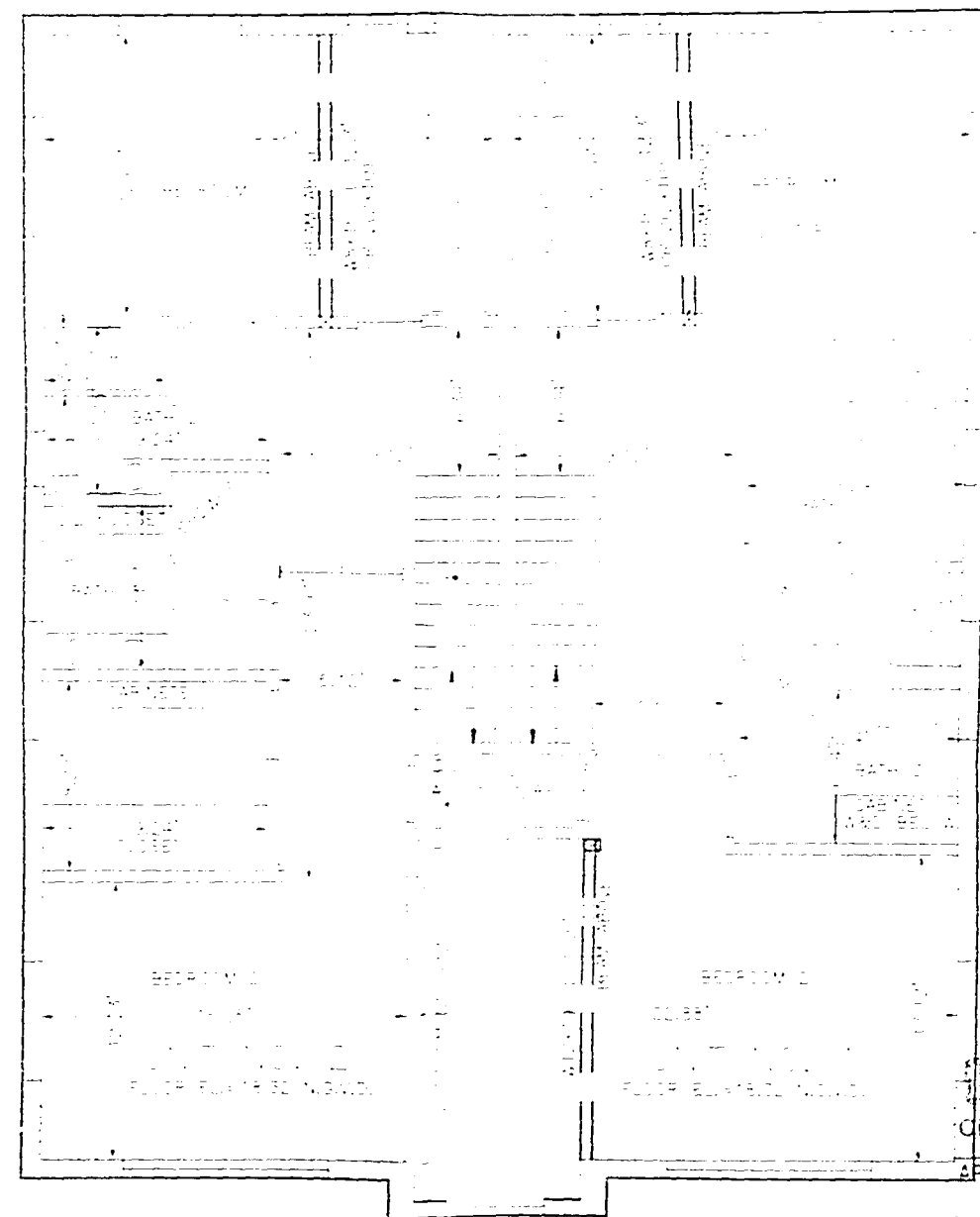
TITLE: EXISTING ELEVATIONS
 LOCATION: 1045 PENNSYLVANIA AVENUE
 MIAMI BEACH, FLORIDA 33139
 PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3228
 DRAWN BY: V.V. CHECKED BY: V.V. APPROVED BY: V.V. SCALE: 1/8"=1'-0" FILE NO: 11111

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
 6475 S.W. 130TH PLACE, SUITE 408
 MIAMI, FLORIDA 33183
 PHONE: (305) 387-6115



PROPOSED
FIRST FLOOR

SCALE 1/4" = 1'



PROPOSED
SECOND FLOOR

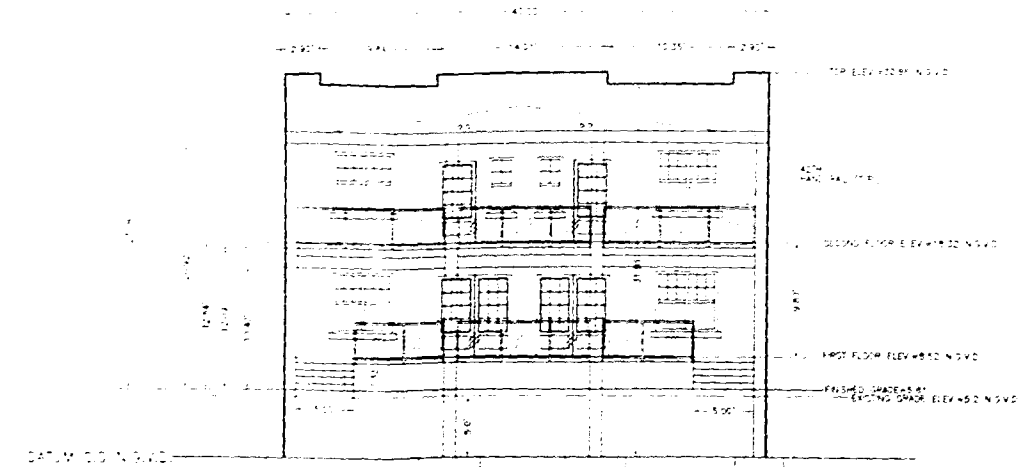
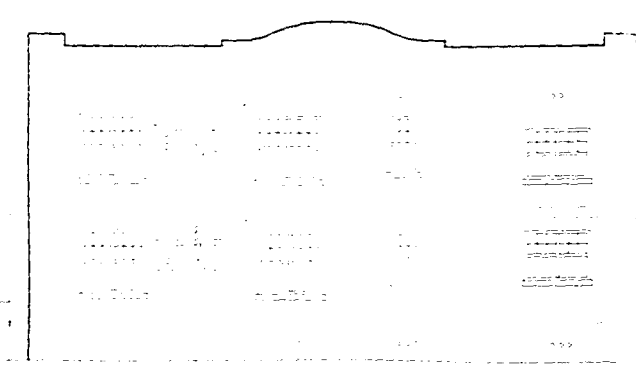
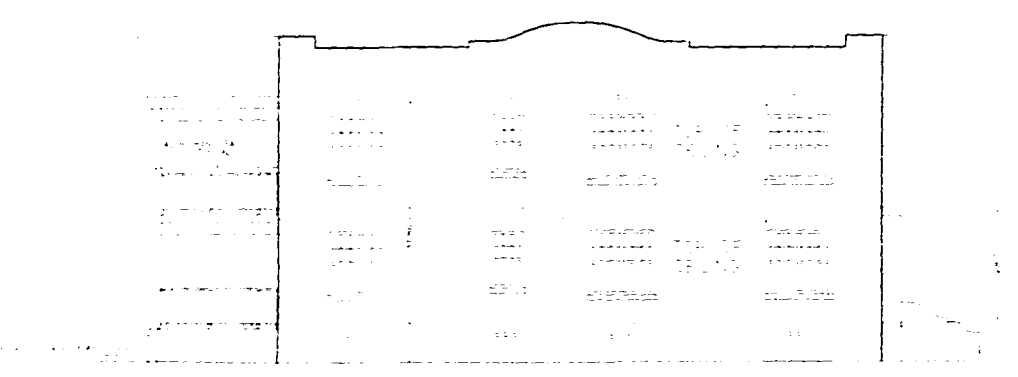
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
PLUMBING
ELECTRICAL
MECHANICAL
STRUCTURAL
ACCESSIBILITY
ELEVATOR

REV. NO.	REVISION MADE	DATE

V. Villa
VICENTE VILLA
REGISTERED ENGINEER NO. 32071, STATE OF FLORIDA
AND, UNLESS ENDORSED BY AN ENGINEER'S SEAL

TITLE: PROPOSED FLOOR PLAN
LOCATION: 1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139
PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3226
DRAWN BY: VV CHECKED BY: VV APPROVED BY: VV SCALE: 1/4" = 1' FILE NO: 1045

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
6475 S.W. 130TH PLACE, SUITE 408
MIAMI, FLORIDA 33183
PHONE: (305) 397-6115



SCALE 1"=8'

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING
ZONING
DRAINAGE
FLOODING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
FUELS/WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

REV. NO.	REVISION MADE	DATE

Vicente Villa
P.E. 32477, FL.

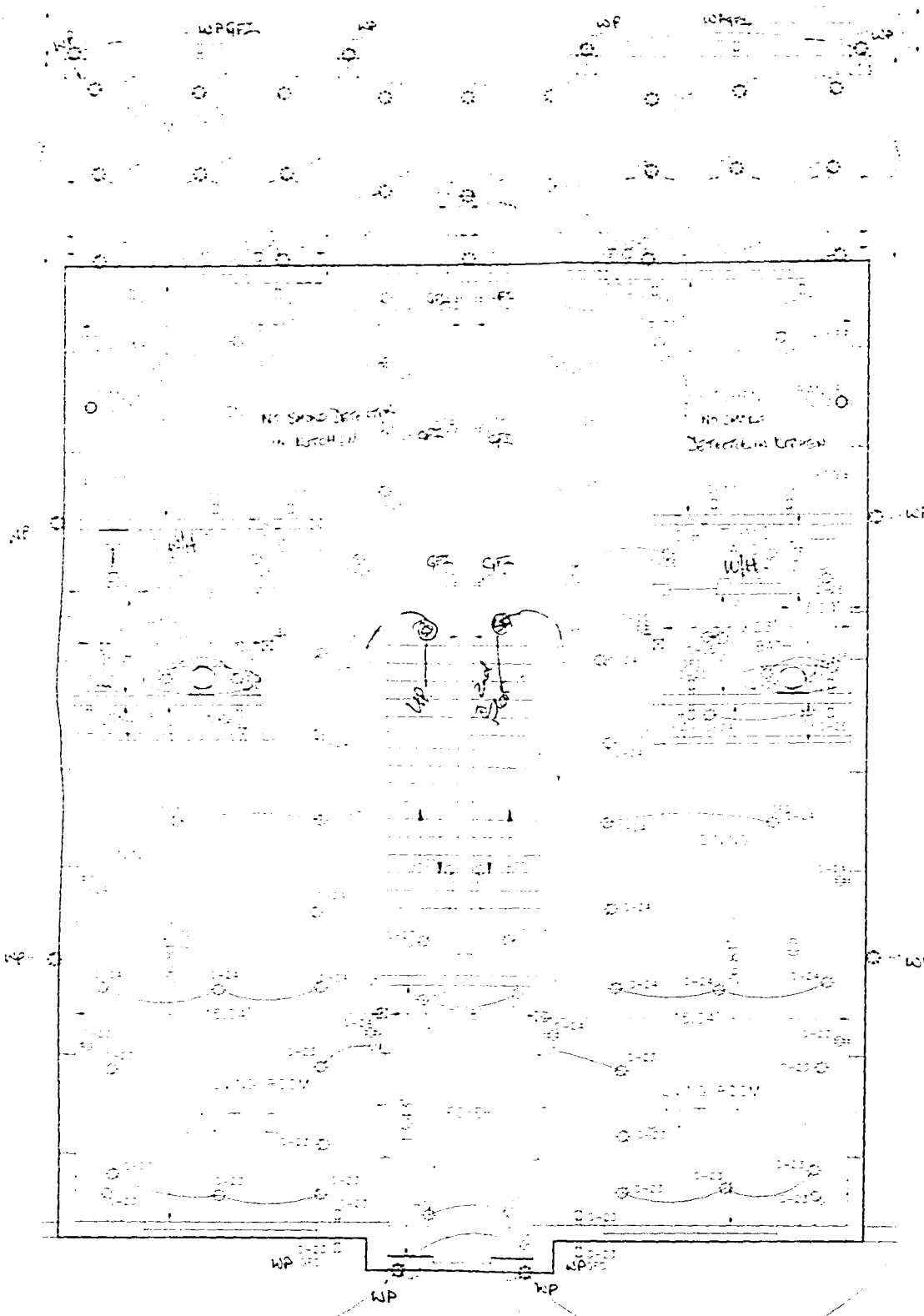
TITLE: PROPOSED ELEVATIONS
LOCATION: 1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT

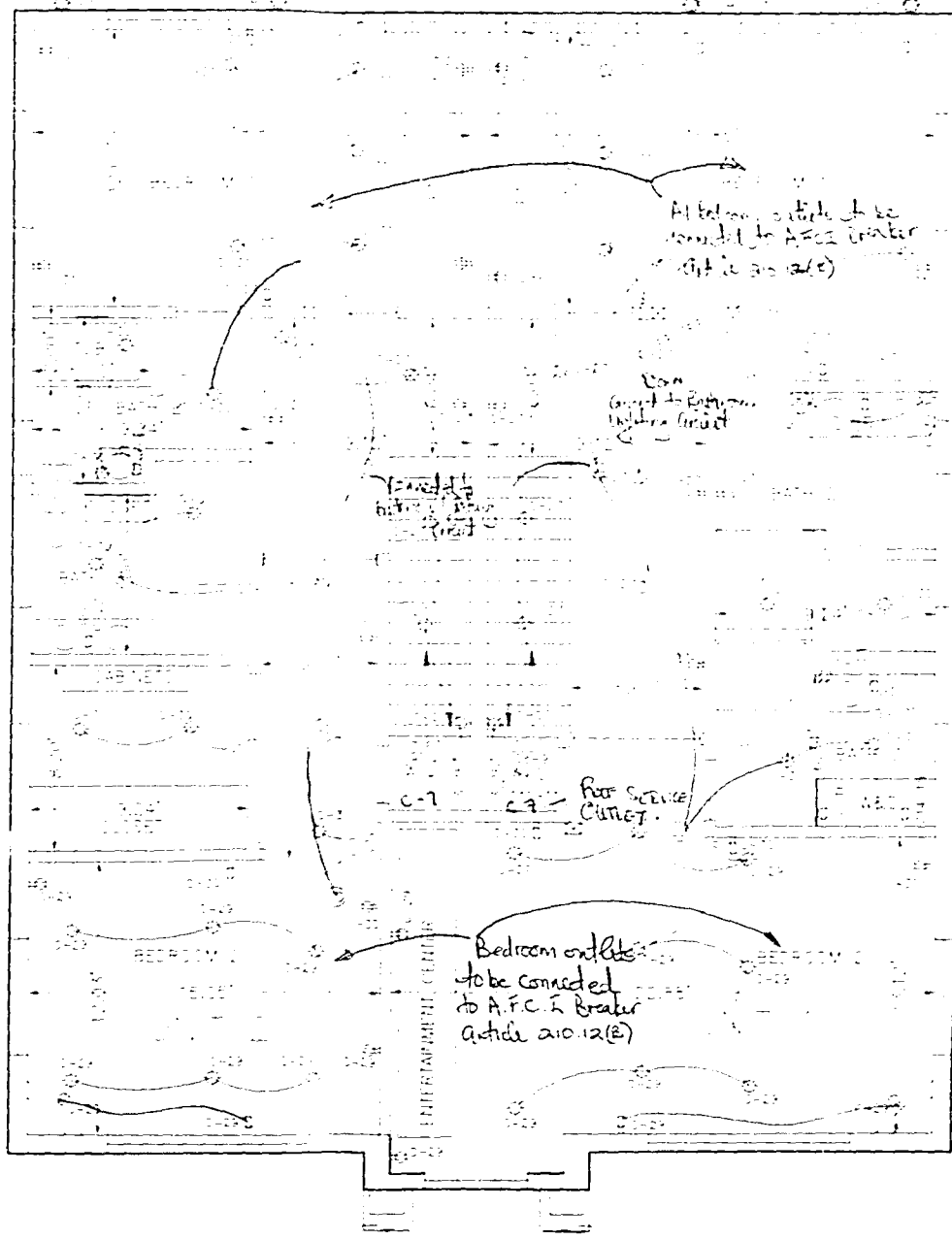


LINE WIDTH SCALE
COLOR 1 2 3 4 5 6 7 8
WIDTH 1 2 3 4 5 6 7 8

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
6475 S.W. 130TH PLACE, SUITE 408
MIAMI, FLORIDA 33183
PHONE: (305) 287-5115



FIRST FLOOR
ELECTRICAL PLAN



SECOND FLOOR
ELECTRICAL PLAN

NO.	DESCRIPTION	QTY.	UNIT
1	1/2" EMT	100	FT.
2	1/2" EMT	100	FT.
3	1/2" EMT	100	FT.
4	1/2" EMT	100	FT.
5	1/2" EMT	100	FT.
6	1/2" EMT	100	FT.
7	1/2" EMT	100	FT.
8	1/2" EMT	100	FT.
9	1/2" EMT	100	FT.
10	1/2" EMT	100	FT.

NO.	DESCRIPTION	QTY.	UNIT
11	1/2" EMT	100	FT.
12	1/2" EMT	100	FT.
13	1/2" EMT	100	FT.
14	1/2" EMT	100	FT.
15	1/2" EMT	100	FT.
16	1/2" EMT	100	FT.
17	1/2" EMT	100	FT.
18	1/2" EMT	100	FT.
19	1/2" EMT	100	FT.
20	1/2" EMT	100	FT.

- LEGEND:
- OUTLET
 - SWITCH
 - △ BREAKER
 - ◇ PANEL
 - ▽ FUSE
 - ◇ FUSE
 - ◇ FUSE
 - ◇ FUSE
 - ◇ FUSE
 - ◇ FUSE

NOTES:
1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE FLORIDA ELECTRICAL CODE (FEC).
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE FLORIDA ELECTRICAL CODE (FEC).
3. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE FLORIDA ELECTRICAL CODE (FEC).

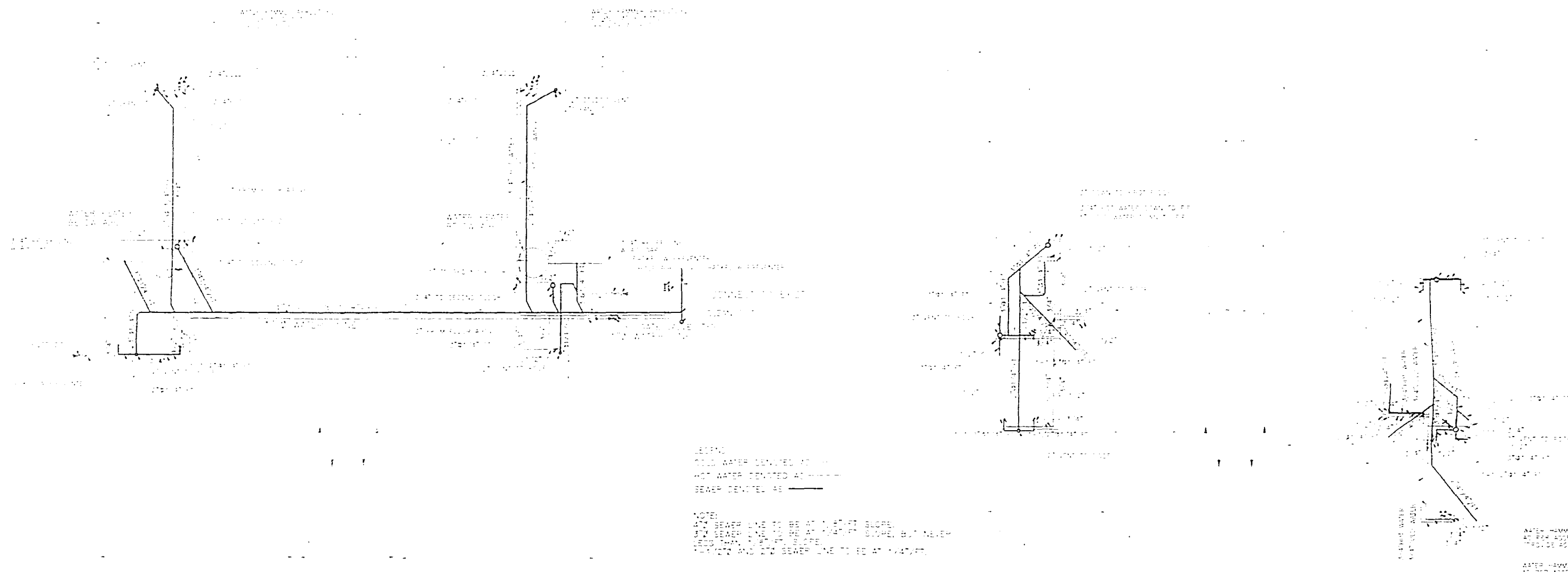
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
[Signature]
ELECTRICAL
ENGINEERING
CONSULTANT
ELEVATOR

REV. NO.	REVISION MADE	DATE

[Signature] 07/1/01
VICENTE VILLA
REGISTERED ENGINEER NO. 22077, STATE OF FLORIDA
VOID UNLESS SIGNED BY AN ENGINEER'S SEAL

TITLE: ELECTRICAL PLAN
LOCATION: 1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139
PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3228
DRAWN BY: V.V. CHECKED BY: V.V. APPROVED BY: V.V. SCALE: 1"=4' FILE NO: 111

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
6475 S.W. 130TH PLACE, SUITE 408
MIAMI, FLORIDA 33183
PHONE: (305) 387-8115



NOTES:
 1. ALL WATER SEWERS TO BE AT 1' SLOPE.
 2. ALL SEWER LINES TO BE AT 1' SLOPE, BUT NEVER
 LESS THAN 1/4" PER FOOT.
 3. ALL WATER AND SEWER LINES TO BE AT 1' SLOPE.



PROPOSED FIRST FLOOR

PROPOSED SECOND FLOOR

OFFICE COPY
 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
 THE FOLLOWING:

PLUMBING	_____
ELECTRICAL	_____
Mechanical	_____
Fire Prevention	_____
Engineering	_____
Structural	_____
Sanitary	_____

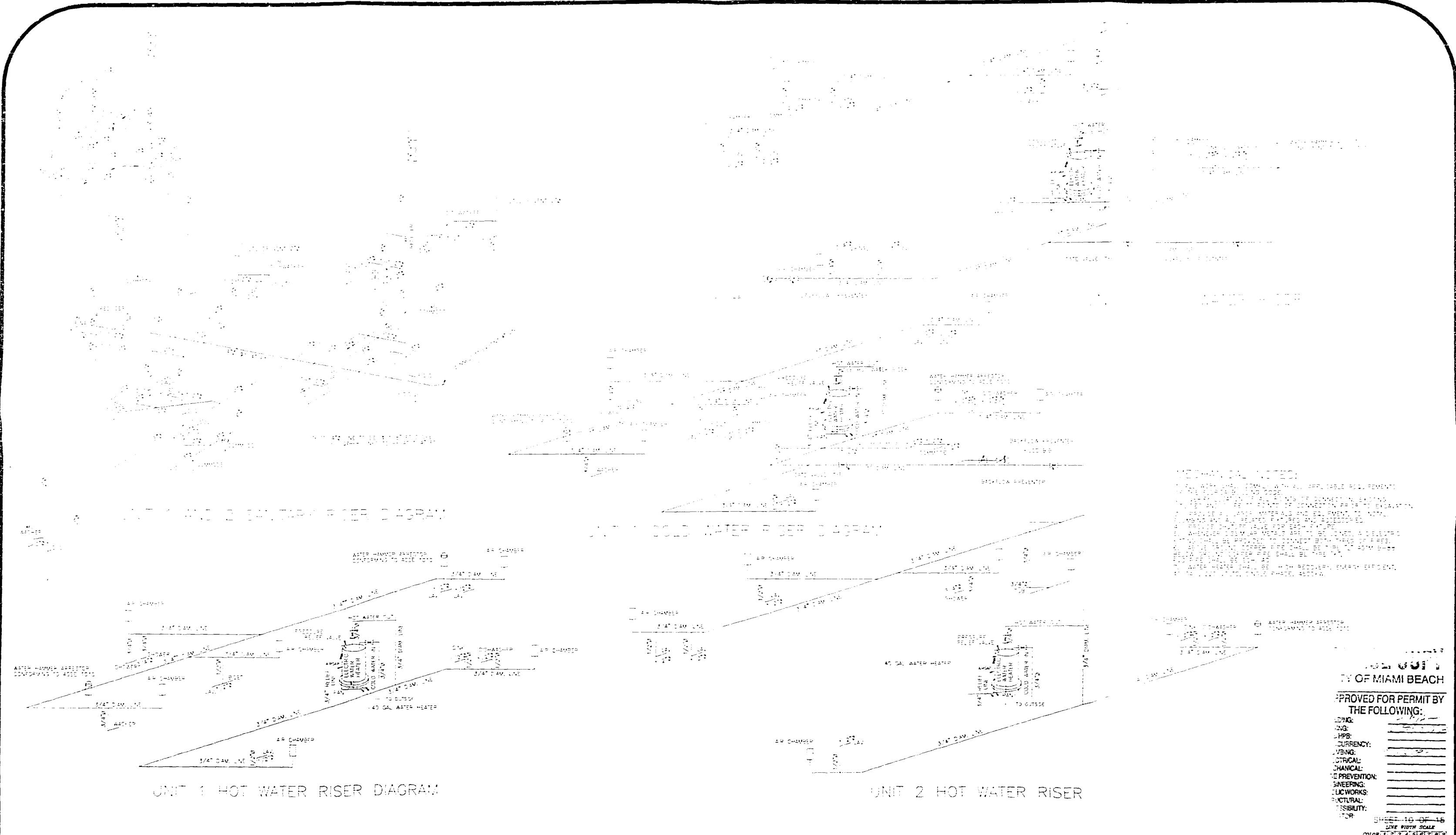
SHEET 3 OF 15
 LINE WIDTH SCALE
 COLOR: 1/2" = 1' 0" 1/4" = 1' 0" 3/8" = 1' 0" 1/2" = 1' 0" 3/4" = 1' 0" 1" = 1' 0"

REV. NO.	REVISION MADE	DATE

[Signature]
VICENTE VILLA
 REGISTERED ENGINEER NO. 32071, STATE OF FLORIDA
 1000 JAMES E. BROSSE, JR. BLVD. SUITE 200, MIAMI, FL 33139

TITLE: PLUMBING PLAN
LOCATION: 1045 PENNSYLVANIA AVENUE
MIAMI BEACH, FLORIDA 33139
PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3228
DRAWN BY: V.V. CHECKED BY: V.V. APPROVED BY: V.V. SCALE: 1" = 4' FILE NO: 11241

VICENTE VILLA, P.E.
ENGINEERING CONSULTANT
6475 S.W. 130TH PLACE, SUITE 408
MIAMI, FLORIDA 33183
PHONE: (305) 387-6115



MECHANICAL NOTES:
 1. ALL PIPING SHALL BE IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 2. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 3. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 4. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 5. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 6. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 7. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 8. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 9. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.
 10. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH PERMITS.

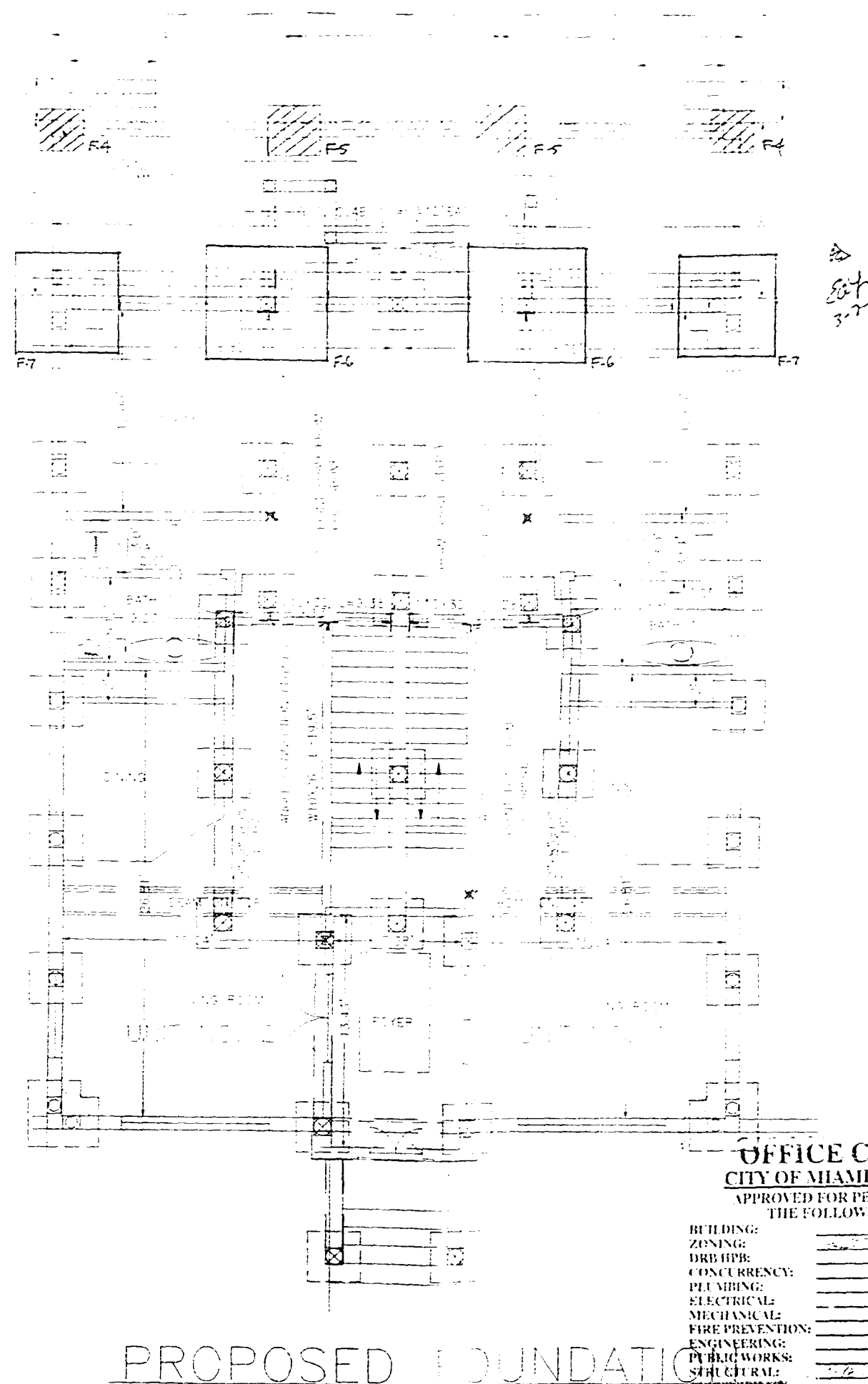
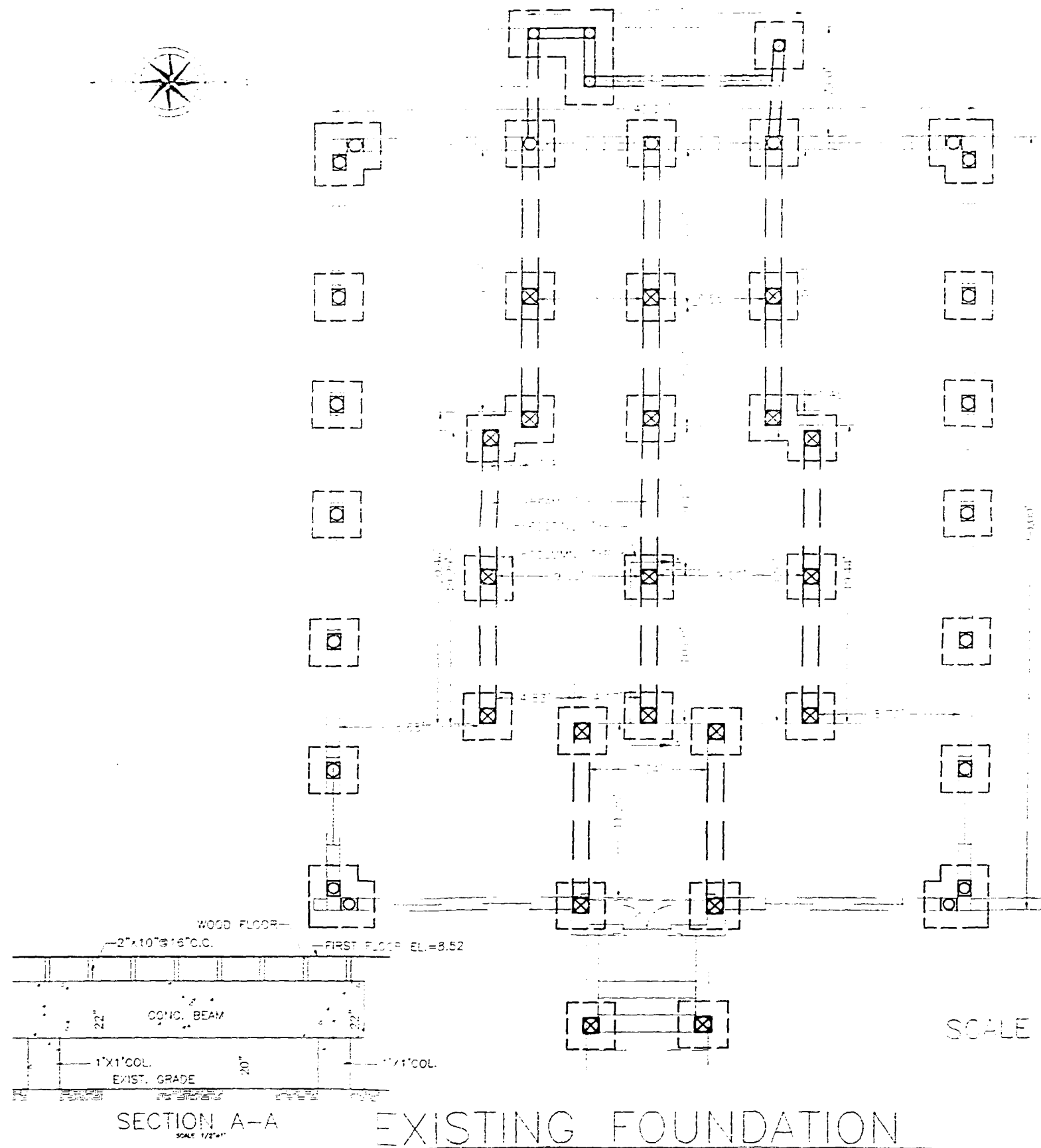
CITY OF MIAMI BEACH
 APPROVED FOR PERMIT BY
 THE FOLLOWING:
 ENGINEER: _____
 ARCHITECT: _____
 PLUMBING: _____
 ELECTRICAL: _____
 MECHANICAL: _____
 STRUCTURAL: _____
 CIVIL: _____
 LANDSCAPE: _____
 INTERIOR: _____
 EXTERIOR: _____
 SPECIALTIES: _____
 OTHER: _____

REV. NO.	REVISION MADE	DATE

VICENTE VILLA
 REGISTERED ENGINEER NO. 32077, STATE OF FLORIDA
 THIS LICENSE ENDORSED BY AN ENGINEER'S SEAL

TITLE: WATER DISTRIBUTION/SANITARY RISER
 LOCATION: 1045 PENNSYLVANIA AVENUE
 MIAMI BEACH, FLORIDA 33139
 PREPARED FOR: SUNDIAL HOLDINGS INC. PHONE: 305-538-3228
 DRAWN BY: V.V. CHECKED BY: V.V. APPROVED BY: V.V. SCALE: 1" = 4' FILE NO: 11240

VICENTE VILLA, P.E.
 ENGINEERING CONSULTANT
 6475 S.W. 130TH PLACE, SUITE 408
 MIAMI, FLORIDA 33183
 PHONE: (305) 387-6115



Edward A.
LANDEFS P.E.

Te: (305) 823-3111
Fa: (305) 823-9211

PERMIT
SET

DWG 340

1045
COMMERCIAL BUILDING
1045 Pennsylvania Avenue
Miami Beach, Florida

APPROVED BY
DATE

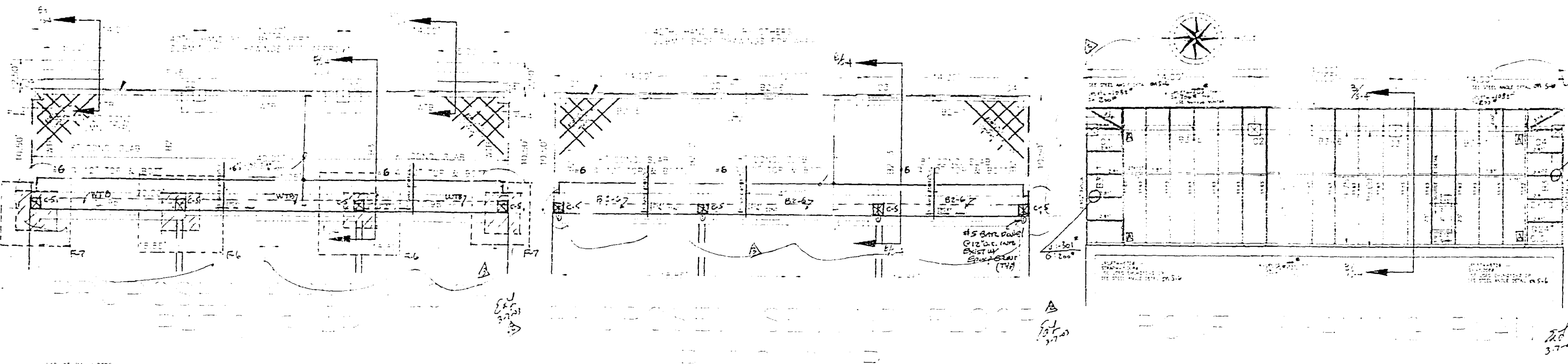
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT
THE FOLLOWING:

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

S-2

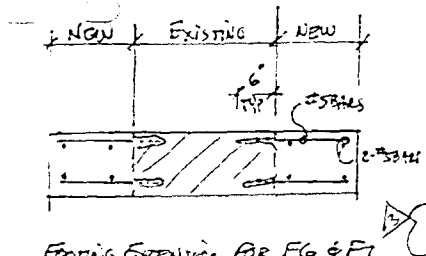
SHEET NUMBER

Edward A. LANDERS P.E.
 (305) 823-3338
 (305) 823-9355



REVISIONS

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- CONCRETE SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- FOUNDATION SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- FLOOR SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- ROOF SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- WALLS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- CEILING SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- MECHANICAL SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- ELECTRICAL SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- PLUMBING SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- HVAC SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- PAINT SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- FINISHES SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- LANDSCAPE SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.
- OTHER SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES.



DESIGNATION	SIZE	DEPTH	REINFORCING STEEL	REMARKS
F-1	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
F-2	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
F-3	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
F-4	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
F-5	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
F-6	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
F-7	7'0" x 1'0"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING

DESIGNATION	SIZE	DEPTH	REINFORCING STEEL	REMARKS
C-1	8" x 12"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
C-2	8" x 12"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
C-3	8" x 12"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
C-4	8" x 12"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
C-5	8" x 12"	12"	8 #5 BARS	DO NOT INTO EXISTING FOOTING

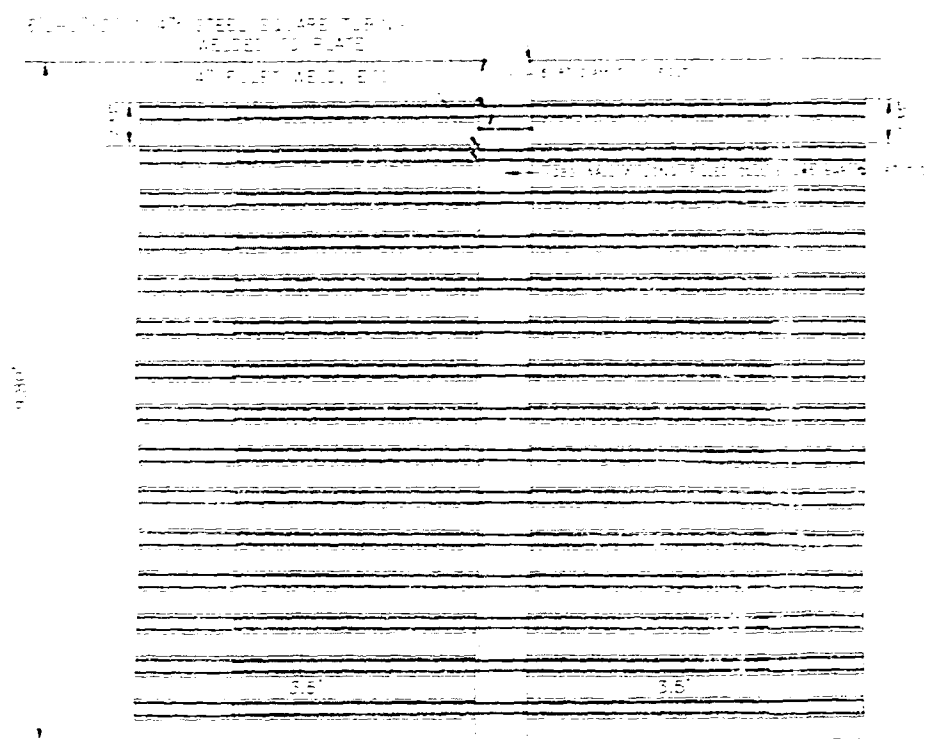
DESIGNATION	TOP ELEV.	SIZE	DEPTH	REINFORCING STEEL	REMARKS
B-1	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-2	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-3	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-4	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-5	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-6	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-7	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-8	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-9	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-10	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-11	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-12	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-13	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-14	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-15	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-16	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-17	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-18	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-19	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING
B-20	8.13	8" x 20"	2' 0"	8 #5 BARS	DO NOT INTO EXISTING FOOTING

PERMIT SET

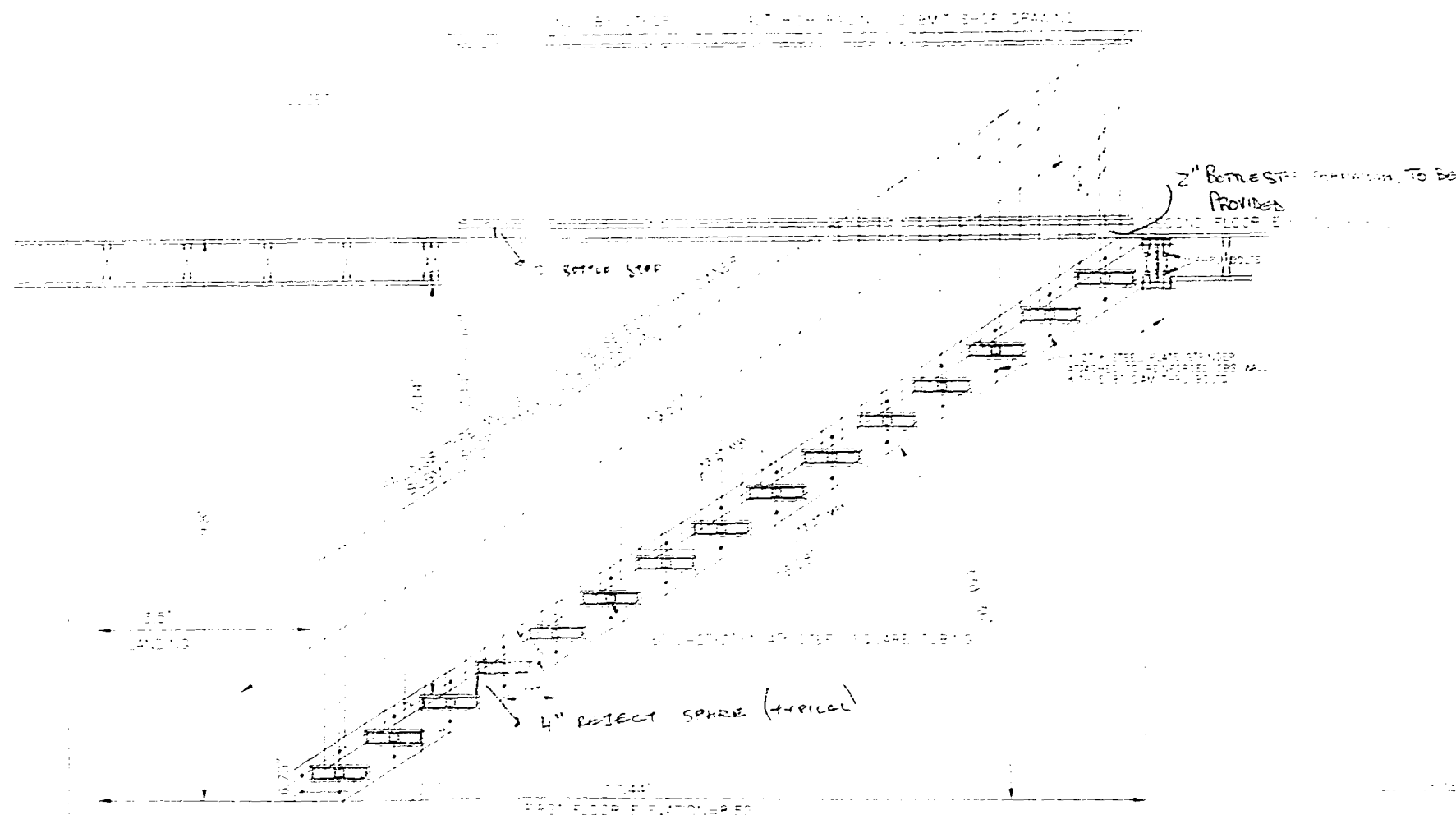
APPROVED BY: _____ DATE: 5-17-07
 PROJECT NO: 07-001
 SHEET NO: 5-3

OFFICE OF THE CITY ENGINEER
 1045 Pennsylvania Avenue, S.E.
 Atlanta, Georgia 30334
 (404) 526-3000

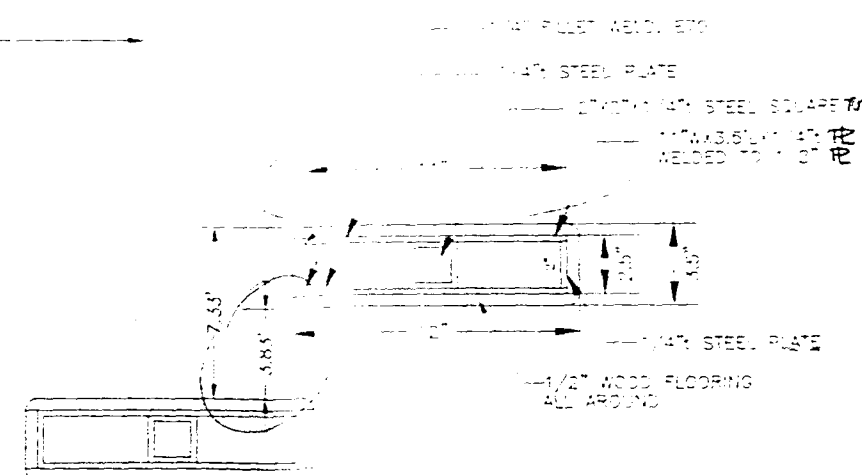
S-3



INTERIOR STAIRS ELEVATION
SCALE 3/4"=1'-0"



INTERIOR STAIRS DETAIL
SCALE 3/4"=1'-0"



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

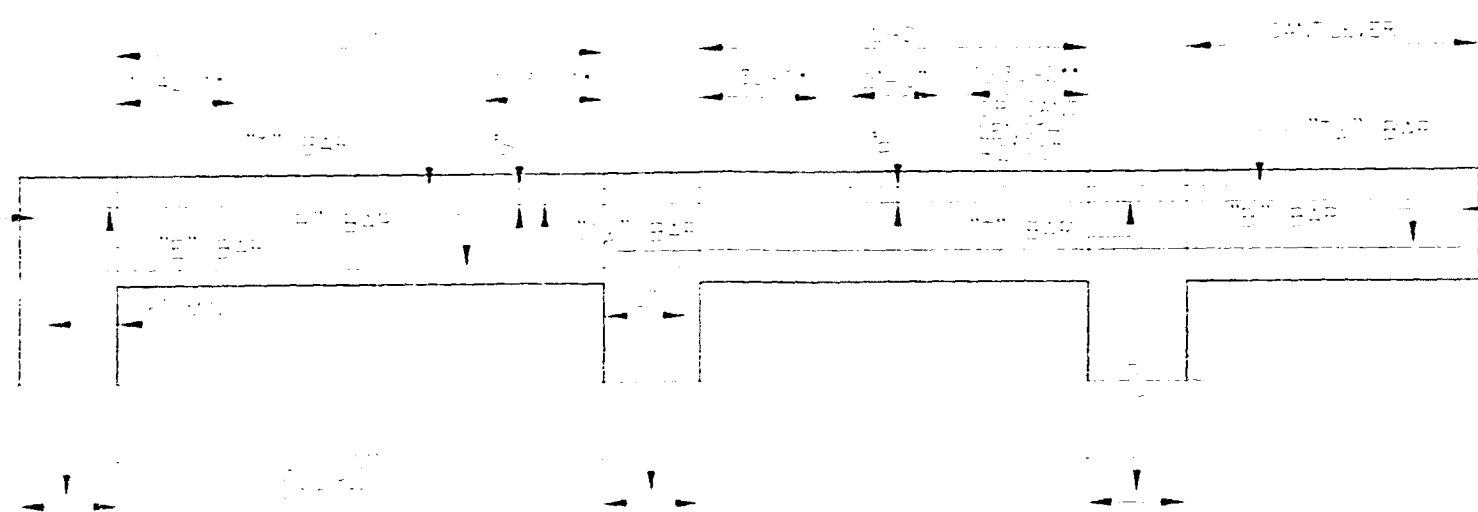
BUILDING: _____
ZONING: _____
DRB HUB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____

Edward A.
LANDERS P.E.
Tel: (305) 823-3939
Fax: (305) 823-3355

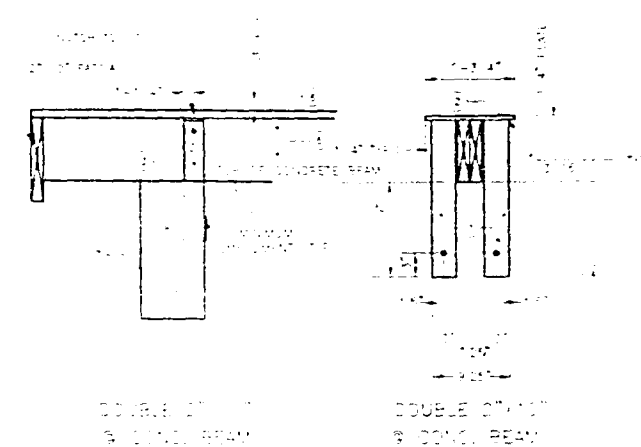
PERMIT
SET

COMMERCIAL BUILDING
1045 Pennsylvania Avenue
Miami Beach, Florida

S-5



1. ALL ROOFING SHALL BE INSTALLED OVER A SLOPE OF 1/4\"/>



1. Roof Rafter, Cont. on S-3

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

OFFICE
CITY OF MIAMI
APPROVED FOR PERMIT
THE FOLLOWING

BUILDING
ZONING
DRAINAGE
CONCRETE
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PROTECTION
ENGINEERING
PUBLIC WORKS
STRUCTURES
ACCESSIBILITY
ELEVATION

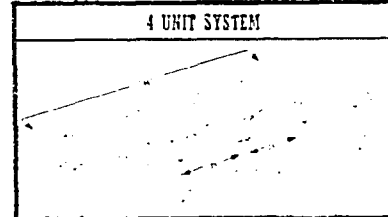
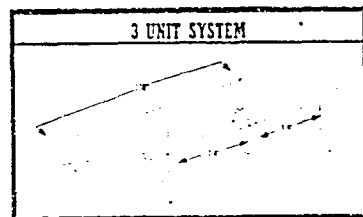
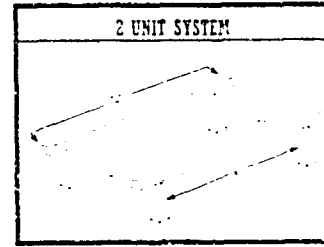
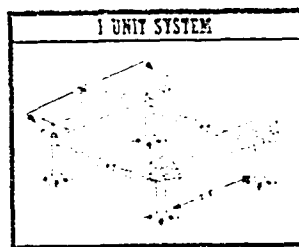
Edward A. Landers
5/17/03

Edward A. Landers P.E. (305) 821-1918 (305) 821-9355	
PERMIT SET	
DWG NO.	
DATE	
5-17-03	
COMMERCIAL BUILDING 1045 Pennsylvania Avenue Miami Beach, Florida	
S-6 SHEET NUMBER	

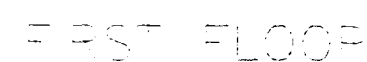
System Configurations

Drawings Are Not To Scale

Model Name	1 Unit	2 Unit	3 Unit	4 Unit
Model 1 Unit	100 Watts	200 Watts	300 Watts	400 Watts
Model 2 Unit	200 Watts	400 Watts	600 Watts	800 Watts
Model 3 Unit	300 Watts	600 Watts	900 Watts	1200 Watts
Model 4 Unit	400 Watts	800 Watts	1200 Watts	1600 Watts



Side
2 of 2

[illegible]

3-10-02
5/17/02
7/4/02

SYSTEM TAG	A.H.U. #1-3	Cond. #13-3	A.H.U. #2	Cond. #2	A.H.U. #4	Cond. #4
MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL #	14-14A-036	38BRC036	EA4ANC024	38BRC024	EA4ANC042	38BRC042
NOMINAL TONAGE	3	3	2	2	3	3
TOTAL CAPACITY	20,000	20,000	23,200	23,200	35,000	35,000
SENSIBLE CAPACITY	20,700	20,700	16,500	16,500	25,700	25,700
LATENT CAPACITY	8,300	8,300	6,700	6,700	9,300	9,300
TOTAL CFM @ LOW SPEED	7000	N/A	800	N/A	1200	N/A
HEATER KW	N/A	N/A	5 kw	N/A	10 kw	N/A
VOLTAGE	208-230 Single phase	208-230 Single phase	208-230 Single phase	208-230 Single phase	208-230 Single phase	208-230 Single phase
WEIGHT	100 LBS.	115 LBS.	100 LBS.	115 LBS.	100 LBS.	115 LBS.
SEER	12.0	12.0	12.0	12.0	12.0	12.0
MCA						
HEATING CAPACITY	N/A	N/A	N/A	N/A	N/A	N/A

Manufacturer Type Model # Size

60 Metal Aug	VI	8 X 10
60 Metal Aug	IV	6 X 10
60 Metal Aug	VI	8 X 10

DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER(S)	2 FL	1 FL
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR	X	
CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

NOTE: THE WIRE MESH IS ATTACHED TO THE FRAME BY THE FOLLOWING METHODS:

1. THE WIRE MESH IS ATTACHED TO THE FRAME BY THE FOLLOWING METHODS:

2. THE WIRE MESH IS ATTACHED TO THE FRAME BY THE FOLLOWING METHODS:

3. THE WIRE MESH IS ATTACHED TO THE FRAME BY THE FOLLOWING METHODS:

NOTE: ALL WIRE MESH SHALL BE ATTACHED TO THE FRAME BY THE FOLLOWING METHODS:

TYPICAL DIFFUSER DETAIL

1. **NO COPY**
 2. **NO COPY**
 3. **NO COPY**
 4. **NO COPY**
 5. **NO COPY**
 6. **NO COPY**
 7. **NO COPY**
 8. **NO COPY**
 9. **NO COPY**
 10. **NO COPY**
 11. **NO COPY**
 12. **NO COPY**
 13. **NO COPY**
 14. **NO COPY**
 15. **NO COPY**
 16. **NO COPY**
 17. **NO COPY**
 18. **NO COPY**
 19. **NO COPY**
 20. **NO COPY**
 21. **NO COPY**
 22. **NO COPY**
 23. **NO COPY**
 24. **NO COPY**
 25. **NO COPY**
 26. **NO COPY**
 27. **NO COPY**
 28. **NO COPY**
 29. **NO COPY**
 30. **NO COPY**
 31. **NO COPY**
 32. **NO COPY**
 33. **NO COPY**
 34. **NO COPY**
 35. **NO COPY**
 36. **NO COPY**
 37. **NO COPY**
 38. **NO COPY**
 39. **NO COPY**
 40. **NO COPY**
 41. **NO COPY**
 42. **NO COPY**
 43. **NO COPY**
 44. **NO COPY**
 45. **NO COPY**
 46. **NO COPY**
 47. **NO COPY**
 48. **NO COPY**
 49. **NO COPY**
 50. **NO COPY**
 51. **NO COPY**
 52. **NO COPY**
 53. **NO COPY**
 54. **NO COPY**
 55. **NO COPY**
 56. **NO COPY**
 57. **NO COPY**
 58. **NO COPY**
 59. **NO COPY**
 60. **NO COPY**
 61. **NO COPY**
 62. **NO COPY**
 63. **NO COPY**
 64. **NO COPY**
 65. **NO COPY**
 66. **NO COPY**
 67. **NO COPY**
 68. **NO COPY**
 69. **NO COPY**
 70. **NO COPY**
 71. **NO COPY**
 72. **NO COPY**
 73. **NO COPY**
 74. **NO COPY**
 75. **NO COPY**
 76. **NO COPY**
 77. **NO COPY**
 78. **NO COPY**
 79. **NO COPY**
 80. **NO COPY**
 81. **NO COPY**
 82. **NO COPY**
 83. **NO COPY**
 84. **NO COPY**
 85. **NO COPY**
 86. **NO COPY**
 87. **NO COPY**
 88. **NO COPY**
 89. **NO COPY**
 90. **NO COPY**
 91. **NO COPY**
 92. **NO COPY**
 93. **NO COPY**
 94. **NO COPY**
 95. **NO COPY**
 96. **NO COPY**
 97. **NO COPY**
 98. **NO COPY**
 99. **NO COPY**
 100. **NO COPY**

Master Mechanical Services, Inc.

6187 NW 167 Street
Suite 11-25
Miami, FL 33015

305-825-3004
305/825-1607 (fax)

Revisions

JOB NAME:
Apartment
1045 Pennsylvania Ave.
Miami Beach, FL

DAM. 1.30.02

DRAWN BY:
Tina Flowers

SHEET

M 2

B0803188
1045 PENN AVE