

#15526 M & M Dredging & Construction Co. (owner, Paul Shapiro) April 16, 1941 this permit issued to Sam Raviatz - Triangle Construction Co. for this work was cancelled 4/15/1941 spot survey ns

Owner Mr. Bernat Nelson Permit No. 47599 Cost \$ 24 000  
Lot 33 Block 7 Subdivision Biscayne Point Address 1134 South Biscayne Point Road  
General Contractor Shafer and Miller 24239 Bond No. 5976 3203-01-1461  
Architect N. A. Seiderman Engineer  
Zoning Regulations: Use RC Area 10 Lot Size ?  
Building Size: Front Depth 18' Height 13' Stories  
Certificate of Occupancy No. 2766 October 21, 1955 Use Residence & Car Porte: 4 bedrooms, 5 baths  
Type of Construction #3 CBS Foundation spread footing 12x24 Roof gravel Date May 24, 1955

PLUMBING Contractor #37100 Charles Taylor Sewer Connection Date May 31, 1955  
Temporary Water Closet 1

|                          |                                          |                                        |
|--------------------------|------------------------------------------|----------------------------------------|
| Water Closets 5          | Swimming Pool Traps                      | Down Spouts                            |
| Lavatories 5             | Steam or Hot Water Boilers               | Wells                                  |
| Bath Tubs 2              | ROUGH APPROVAL OK, Rothman 6/3/1955      |                                        |
| Showers 3                | FINAL APPROVAL OK, Cox 9/23/1955 Rothman |                                        |
| Urinals                  |                                          |                                        |
| Sinks 1                  | GAS Contractor                           | Date                                   |
| Dish Washing Machine 1   | Gas Ranges 1                             | Gas Frylators                          |
| Laundry Trays 1          | Gas Water Heaters 2 electric             | Gas Pressing Machine                   |
| Laundry Washing Machines | Gas Space Heaters 3                      | Gas Vents for Stove                    |
| Drinking Fountains       | Gas Refrigerators                        |                                        |
| Floor Drains             | Gas Steam Tables                         |                                        |
| Grease Traps             | Gas Broilers                             | GAS Rough APPROVAL OK, Cox 6/30/1955   |
| Safe Wastes              |                                          | GAS FINAL APPROVAL OK, Rothman 9/23/55 |

AIR CONDITIONING Contractor June 22, 1955  
SEPTIC TANK Contractor #37167 A A Septic Tank Co: 1--500 gals & 75' drain & 1-600 gals - 100' drain: OK 6/27/55 L.R. by Fox  
OIL BURNER Contractor  
SPRINKLER Contractor

|                                                                    |                                                                                                           |                                                      |                                                                                                                               |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ELECTRICAL Contractor #44723 Jones Electric Ser. Date June 7, 1955 |                                                                                                           | FINAL APPROVAL<br>By OK, Meginniss<br>Date 9/14/1955 |                                                                                                                               |
| OUTLETS                                                            | Switches 26 Ranges<br>Lights 36 Irons<br>Receptacles 38 Refrigerators 2<br>Fans<br>Motors 1<br>Appliances |                                                      | Temporary Service<br>Neon Transformers<br>Sign Outlets<br>Meter Change<br>Centers of Distributions<br>Service 1<br>Violations |
| HEATERS                                                            | Water 1<br>Space 4                                                                                        |                                                      |                                                                                                                               |
| FIXTURES                                                           | Electrical Contractor                                                                                     |                                                      | Date                                                                                                                          |
|                                                                    |                                                                                                           |                                                      |                                                                                                                               |

Alterations or Repairs—Over

ALTERATIONS & ADDITIONS

Building Permits: #48010 Addition of Dock 12' x 16' Little River Marine Co. \$ 900 7/12/19 55  
48265 ADDITION OF SWIMMING POOL -- 20' x 40' W. B. Lewis, architect: \$ 5 000 August 8, 1955  
Polk Pools - contractor

#57919 Rose Painting Co: Interior Painting - \$350.00 - Nov. 20, 1958

#07111-Kroop Realtors-For Rent Sign-#824-4-7-75

12-22-80/#19474/reroof, tar & gravel/Palmetto Roofing Inc/\$6,000

#20036--Gonzalez Bros. Marine Const. Co. --Sea-Wall repair--\$2,000.00--3/30/81

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Plumbing Permits:

#39633 Center Plbg: 1 1/4" Sewer - July 2, 1957

#62820 9/11/86 Silver Plumb - gas piping repair

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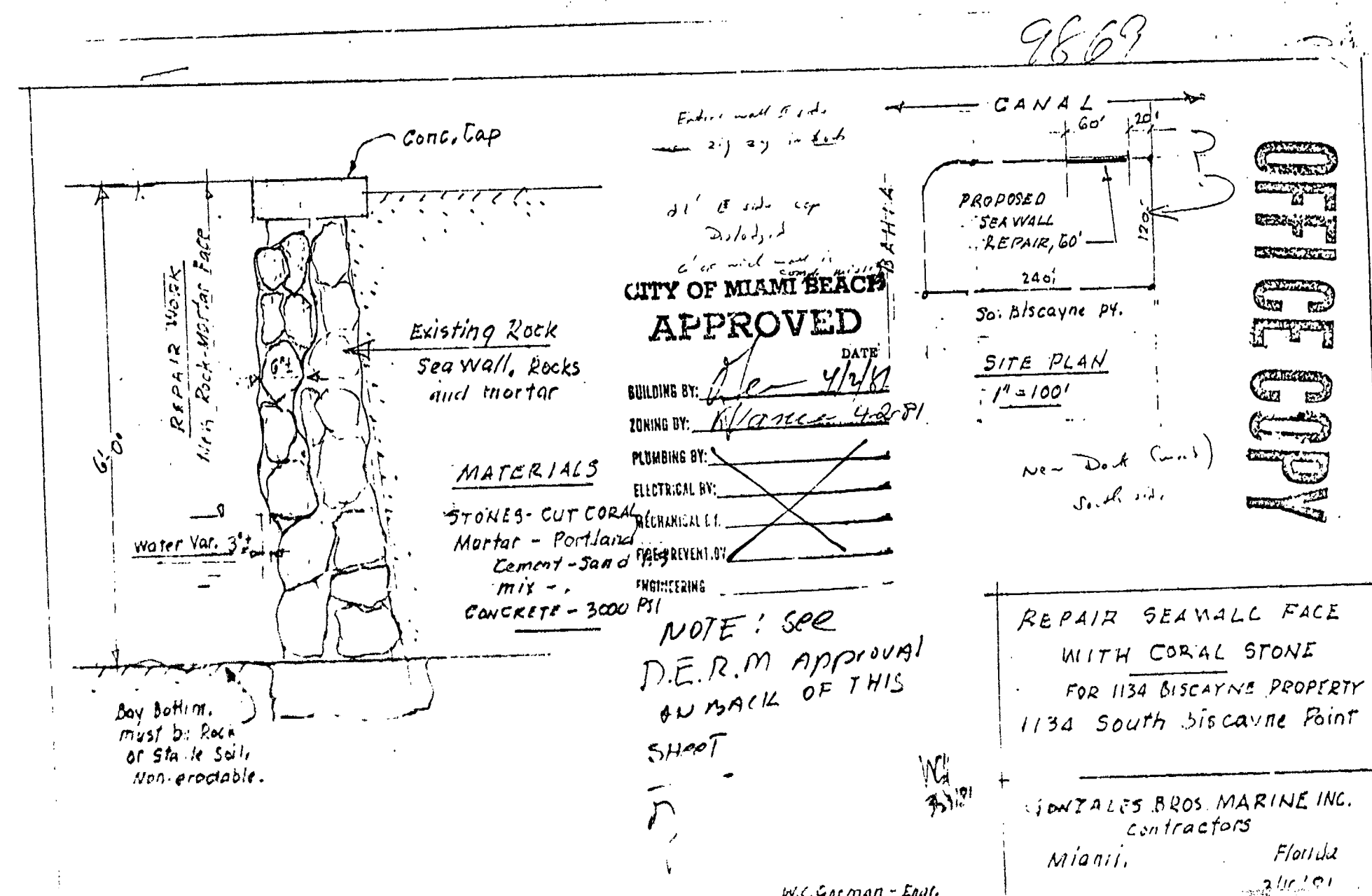
Electrical Permits: #45405 Astor Electric: 2 light outlets, 2 fixtures, 2 centers of distribution, 1  
OK, Plaag 8/9;1956 motor - August 19, 1955

OK Meginniss 12/20/56 #49128 3 Receptacles: Astor Electric Co.: December 13, 1956

#81323 8/26/86 National Guardian burglar alarm, 2 controls, 62 sensor

20036

20036



20036

- NOTES:
- NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
  - LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.
  - THIS SURVEY WAS DONE SOLELY FOR AS BUILT PURPOSES AND DOES NOT DEPICT THE JURISDICTION OF ANY MUNICIPAL, STATE, FEDERAL OR OTHER ENTITIES.
  - THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT.
  - UNDERGROUND IMPROVEMENTS NOT SHOWN.
  - ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
  - BENCHMARK REFERENCE: BROWARD COUNTY BENCHMARK # D-107-R ELEVATION = 4.70'

I HEREBY CERTIFY THAT THE "SKETCH OF SURVEY" OF THE HEREON DESCRIBED PROPERTY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION IN JANUARY, 2007. I FURTHER CERTIFY THAT THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA ACCORDING TO CHAPTER 61G17 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES. THERE ARE NO ABOVE GROUND ENCROACHMENTS OTHER THAN THOSE SHOWN HEREON, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

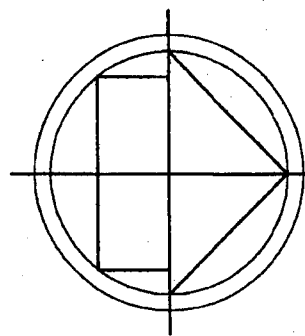
FOR THE FIRM, BY: Richard E. Cousins  
 RICHARD E. COUSINS  
 PROFESSIONAL SURVEYOR AND MAPPER  
 FLORIDA REGISTRATION NO. 4188  
 SURVEY DATE: 01/24/07

#### LAND DESCRIPTION:

LOT 33, BLOCK 7 OF "BISCAYNE POINT", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 14, PAGE 35 OF THE PUBLIC RECORDS OF MIAMI/DADE COUNTY, FLORIDA.

## SKETCH OF SURVEY

| FLOOD ZONE INFORMATION |          |
|------------------------|----------|
| COMMUNITY NUMBER       | 120651   |
| PANEL NUMBER           | 0094 J   |
| ZONE                   | AE       |
| BASE FLOOD ELEVATION   | 8        |
| EFFECTIVE DATE         | 07/17/95 |



LOT 32, BLOCK 7  
 "BISCAYNE POINT"  
 P.B. 14, PG. 35, M/D.C.R.

#### LEGEND:

|          |                               |
|----------|-------------------------------|
| CKD      | CHECKED BY                    |
| CONC     | CONCRETE                      |
| DWN      | DRAWN BY                      |
| FB/PG    | FIELD BOOK AND PAGE           |
| SR       | SET 5/8" IRON ROD & CAP #6448 |
| SNC      | SET NAIL AND CAP #6448        |
| FIR      | FOUND IRON ROD                |
| FP       | FOUND IRON PIPE               |
| FNC      | FOUND NAIL AND CAP            |
| FND      | FOUND NAIL & DISC             |
| P.B.     | PLAT BOOK                     |
| M/D.C.R. | MIAMI/DADE COUNTY RECORDS     |
| WM       | WATER METER                   |
| -X-      | CHAIN LINK / WOOD FENCE       |
| ELEV     | ELEVATION                     |
| CBS      | CONCRETE BLOCK STRUCTURE      |
| CALC     | CALCULATION                   |
| WPP      | WOOD POWER POLE               |
| A/C      | AIR CONDITIONER               |
| -E-      | OVERHEAD UTILITY LINES        |
| 3-2      | ELEVATIONS                    |

NOTICE: In addition to the requirement of this permit, there may be additional restrictions applicable to this property and may be found in the public records of local agencies. The City of Miami Beach assumes no responsibility for accuracy of or errors from these plans which are subject to the approval of the Federal, State, and Local Laws, Rules, and Regulations.

## GENERAL NOTES

### CONCRETE AND REINFORCING STEEL

- ALL CONCRETE (EXCEPT PRECAST PILES) SHALL HAVE A MAXIMUM W/C RATIO OF 0.40 AND SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 P.S.I. AT THE END OF 28 DAYS. FOUR (4) CONCRETE CYLINDERS SHALL BE TAKEN FOR EACH 80 CUBIC YARDS OR FRACTION THEREOF. THEY SHALL BE TESTED AT 3, 7 & 28 DAYS. SLUMP SHALL NOT EXCEED 4" (3 1/2").
- ALL REINFORCEMENT SHALL BE 60000 PSI 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 MANUAL OF STANDARD PRACTICE.
- 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 THE TIME OF PLACEMENT SHALL BE BETWEEN 75° F. AND 100° F.
- ALL CONCRETE DECK SURFACES SHALL HAVE A LIGHT BROOM FINISH.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4", OR AS SHOWN ON THE PLANS.

### MISCELLANEOUS

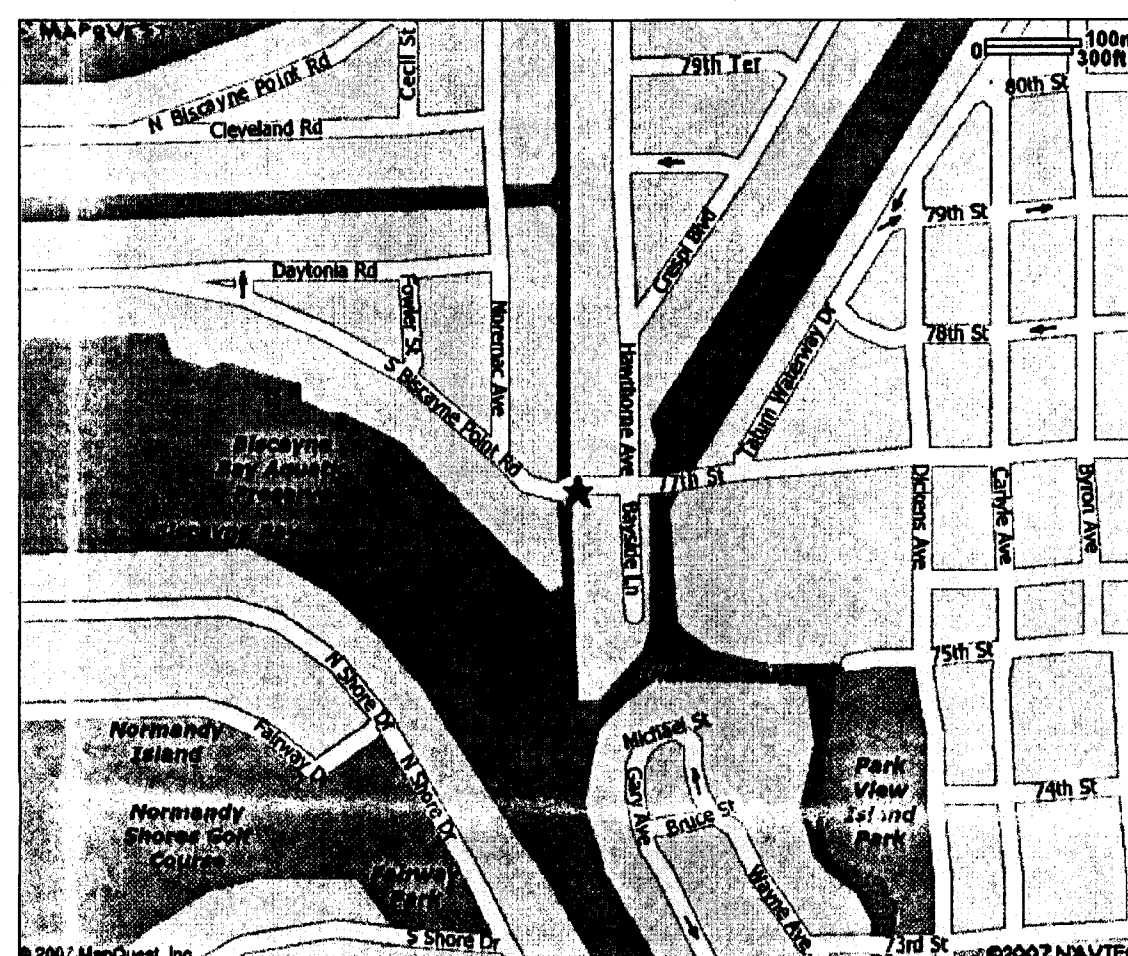
- FASTENERS EMBEDDED INTO SEAWALL STRUCTURE SHALL BE ANCHORED WITH TWO-PART EPOXY ADHESIVE (KRAUL-CHEN-FAST CARTRIDGE SYSTEM OR EQUAL). ANCHOR HOLES SHALL BE DRILLED TO 1 1/2" GREATER THAN THE SPECIFIED FASTENER. HOLES SHALL BE MINIMUM DEPTH SHOWN ON THE PLANS, AND SHALL BE THOROUGHLY CLEANED OUT AND 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 THE ENGINEER OF RECORD 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. FOR THIS PROJECT, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
- APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE 2001 EDITION.

### DESIGN LOADS

PER FBC 2004 AND STANDARD ENGINEERING PRACTICE FOR ACTIVE SOIL PRESSURE ON SEAWALLS, NO SURCHARGE



LOCATION PLAN NO SCALE

## LEGAL DESCRIPTION

LOT 33, BLOCK 7 OF "BISCAYNE POINT" ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 14 AT PAGE 35 OF THE PUBLIC RECORDS OF MIAMI/DADE COUNTY, FLORIDA

EXISTING 18" WIDE x 6" CONC. CAP. BROKEN OR MISSING WHERE SHOWN ON SEAWALL REPAIR PLAN. REMOVE AS REQD. TO CONST. NEW CAP. REGROUT TOP OF EXIST. STONE GRAVITY WALL AS REQUIRED TO FUSE LOOSE ROCK MATERIAL.

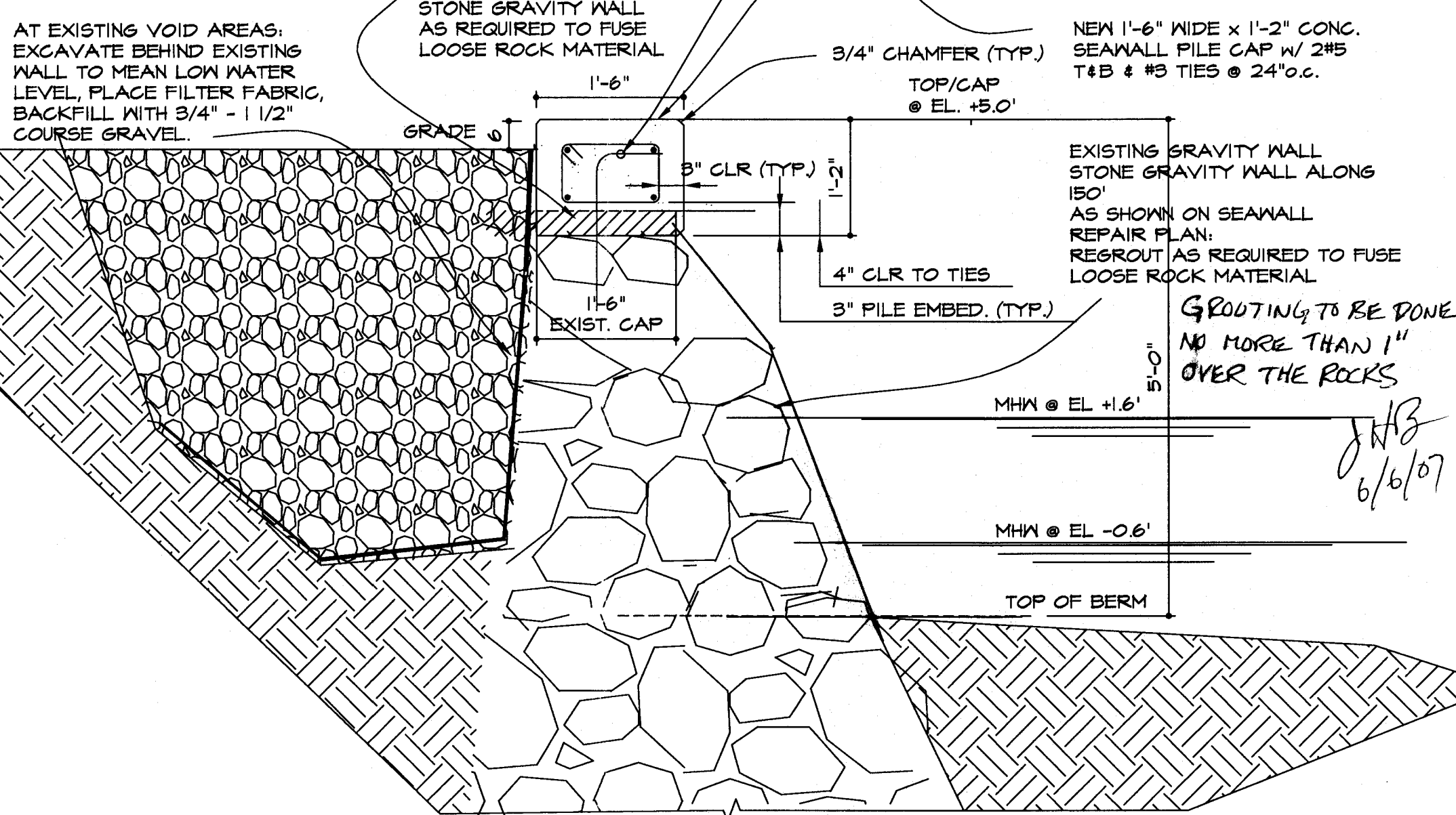
#5 DOWEL WITH STD HOOK @ 24" O.C. MAX. DRILL & EPOXY 12" INTO EXIST. REGROUTED SEAWALL.

NEW 1'-6" WIDE x 1'-2" CONC. SEAWALL PILE CAP W/ 2#5 T&B & #3 TIES @ 24" O.C.

EXISTING GRAVITY WALL STONE GRAVITY WALL ALONG 150' AS SHOWN ON SEAWALL REPAIR PLAN. REGROUT AS REQUIRED TO FUSE LOOSE ROCK MATERIAL.

GRROUTING TO BE DONE NO MORE THAN 1" OVER THE ROCKS

JHB 6/6/07



SECTION A-S1 3/4" = 1'-0"

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



## SEAWALL REPAIR PLAN

1/16" = 1'-0"

AREA OF PROPOSED REPAIR TO EXISTING SEAWALL

Phone 305-673-7080 Fax 305-673-7088

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/curb 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: [Signature] Date: 6/6/07

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

BUILDING: 7-019107 REPAIR only  
 ZONING: DRB/HPB  
 CONCURRENCY: PLUMBING  
 PLUMBING: 6/6/07  
 ELECTRICAL: 6/6/07  
 MECHANICAL: 6/6/07  
 FIRE PREVENTION: 6/6/07  
 ENGINEERING: 6/6/07  
 PUBLIC WORKS: 6/6/07  
 STRUCTURAL: 6/6/07  
 ACCESSIBILITY: 6/6/07  
 ELEVATOR: 6/6/07

RECEIVED  
 MAY 23 2007  
 DEPT. OF PUBLIC WORKS  
 ENGINEERING DIVISION

HADDAD RESIDENCE  
 1134 SOUTH BISCAYNE POINT ROAD  
 MIAMI BEACH, FLORIDA  
 EXISTING SEAWALL REPAIR

JOB NAME:

REVISIONS:

1

DATE: 8/6/2004

DWN BY: J. H. B.

JOB NO: 04-0608

SHEET:

S-1

OF 1 SHEETS

BD 705047

1134 S BISCAYNE

Point Rd.

Job Address: 1134 S. Biscayne Contractor Bob Wilson & Co Process No. 035951353  
Point Biscayne Rd

FILL IN APPLICABLE ROOFING COMPONENTS WHICH MAKE UP ROOF SYSTEM ASSEMBLY AND THICKNESS OF DECK AND INSULATION LAYER(S). (Where Roofing Component not used in Roof System Assembly, fill in with "N/A".)

Surfacing: Gravel  
 (briefly describe, if applicable)

Top Ply: N/A

Bonding Material: hot asphalt

Ply Sheet(s): 4 Tamko Diqua Fiberglass Plys

Bonding Material: hot asphalt

Fastener: 1 1/4" + 3/4" Ring Shank with Fin caps  
 (if base sheet mech. attached)

Base Sheet: Tamko Glass base

Bonding Material: N/A  
 (if base sheet bonded)

Fastener: N/A  
 (if top insulation layer mech. attached)

Top Insulation Layer: 10" Fiberboard  
 (if applicable)

Bonding Material: hot asphalt  
 (if top insulation layer bonded)

Fastener: N/A  
 (if insulation mech. attached)

Insulation: 1" urethane

Bonding Material: hot asphalt  
 (if insulation bonded)

Vapor Retarder: N/A  
 (if applicable)

Anchor Sheet: Tamko glass base

Primer: N/A  
 (if applicable)

DECK:  
 Type: Woodplank  
 Gage or Thickness: 1"  
 Density, if concrete deck: \_\_\_\_\_

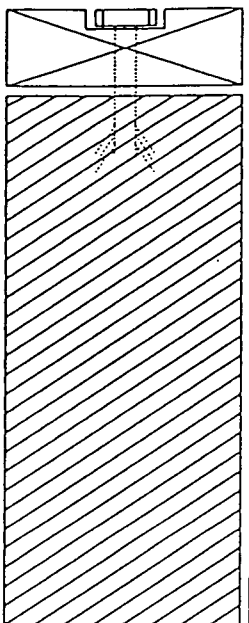
E'NRGYZ  
Comp  
Insul

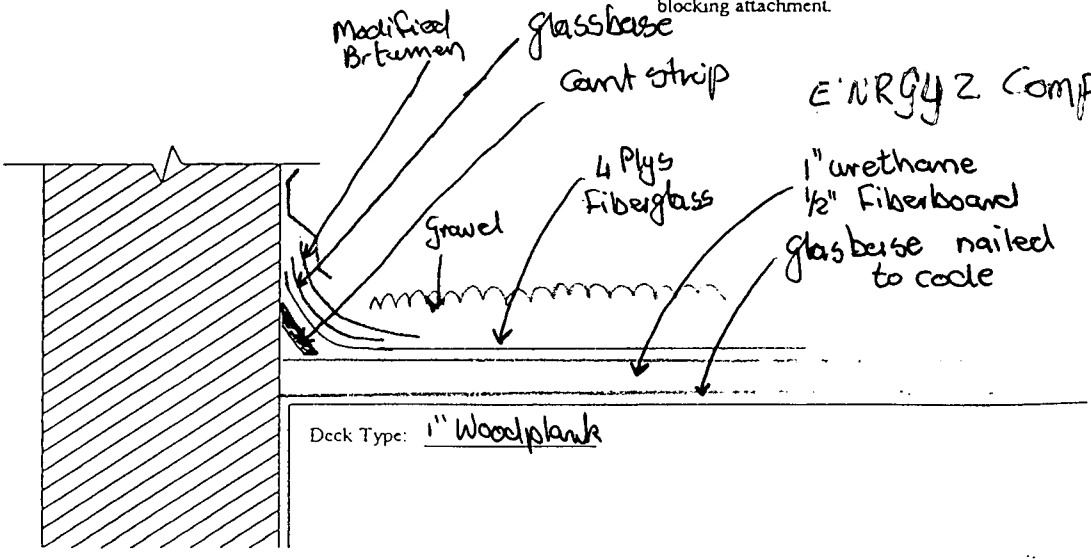


Job Address: 1134 S. Biscayne Contractor: Bob Wilkinson Process No. \_\_\_\_\_

Point Blank

### PERIMETER DETAIL #1: Parapet Wall Detail

|                                                                                                                           |                                                                                    |                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Coping Cap<br/>Gage: _____</p> <p>Fastener<br/>Spacing: _____ o.c.</p> <p>Clip Type: _____</p> <p>Clip Gage: _____</p> |  | <p>Sketch Roofing Components which make up Roof System Assembly at Perimeter Parapet Walls. Insert leaders indicating Roofing Component names, dimensions, thicknesses, etc. Include fastener type and spacing used for wood-blocking attachment.</p> <p>NA</p> |
| <p>Deck Type: _____</p>                                                                                                   |                                                                                    |                                                                                                                                                                                                                                                                 |

|                                                                                      |                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Sketch Roofing Components which make up Roof System Assembly at Perimeter Areas to be Flashing. Insert leaders indicating Roofing Component names, dimensions, thicknesses, etc. Include fastener type and spacing used for wood-blocking attachment.</p> |
| <p>Deck Type: <u>1" Woodplank</u></p>                                                |                                                                                                                                                                                                                                                              |

### PERIMETER DETAIL #2: Flashing Detail

Job Address: 11345 Biscayne Contractor: Bob Wilson Process No. \_\_\_\_\_  
Point Biscayne Rd

PERIMETER DETAIL #3: Gravel Stop or Drip Edge

Sketch Roofing Components which make up Roof System Assembly at Perimeter Edge with Gravel Stop or Drip Edge. Insert leaders indicating Roofing Components names, dimensions, thicknesses, etc. Include fastener type and spacing used for wood-blocking attachment.

4" faced galvanized

Gravel Stop/Drip Edge  
 Gage: 24 g

Fastener  
 Spacing: \_\_\_\_\_ o.c.

Clip Type: \_\_\_\_\_  
 Clip Gage: \_\_\_\_\_

Gravel

4 Plys Fiberglass

1" urethane + 1/2" Fiber board

glass base

Deck Type: 1" Wood plank

ENERGY 2 Comp

Sketch Roofing Components which make up Roof System Assembly at Perimeter Edge with Gutters. Insert leaders indicating Roofing Component names, dimensions, thicknesses, etc. Include fastener type and spacing used for wood-blocking attachment.

MA

Gutter Type: \_\_\_\_\_  
 Gutter Gage: \_\_\_\_\_  
 Fastener  
 Spacing: \_\_\_\_\_

Deck Type: \_\_\_\_\_

PERIMETER DETAIL #4: Gutter Detail

Job Address: 1134 S. Biscayne  
Point Rd

Contractor \_\_\_\_\_

Process No. \_\_\_\_\_

PERIMETER DETAIL #5: 'Other' Detail

Sketch Roofing Components which make up Roof System Assembly at any 'other' Perimeter Condition which may exist.  
Insert leaders indicating Roofing Component names, dimensions, thicknesses, etc.  
Include fastener type and spacing used for wood-blocking attachment.

NA

Sketch Roofing Components which make up Roof System Assembly at any 'other' Perimeter Condition which may exist.  
Insert leaders indicating Roofing Component names, dimensions, thicknesses, etc.  
Include fastener type and spacing used for wood-blocking attachment.

NA

PERIMETER DETAIL #6: 'Other' Detail

Job Address: 1134 S. Biscayne  
Point Rd

Contractor: Bob Wilson & Co Process No. \_\_\_\_\_

Insert Building and Parapet Heights.  
(If no Parapet exists, insert "N/A")

Also insert applicable information pertaining  
to the building below.  
(See ASCE 7-88 Fact Sheet Attached)

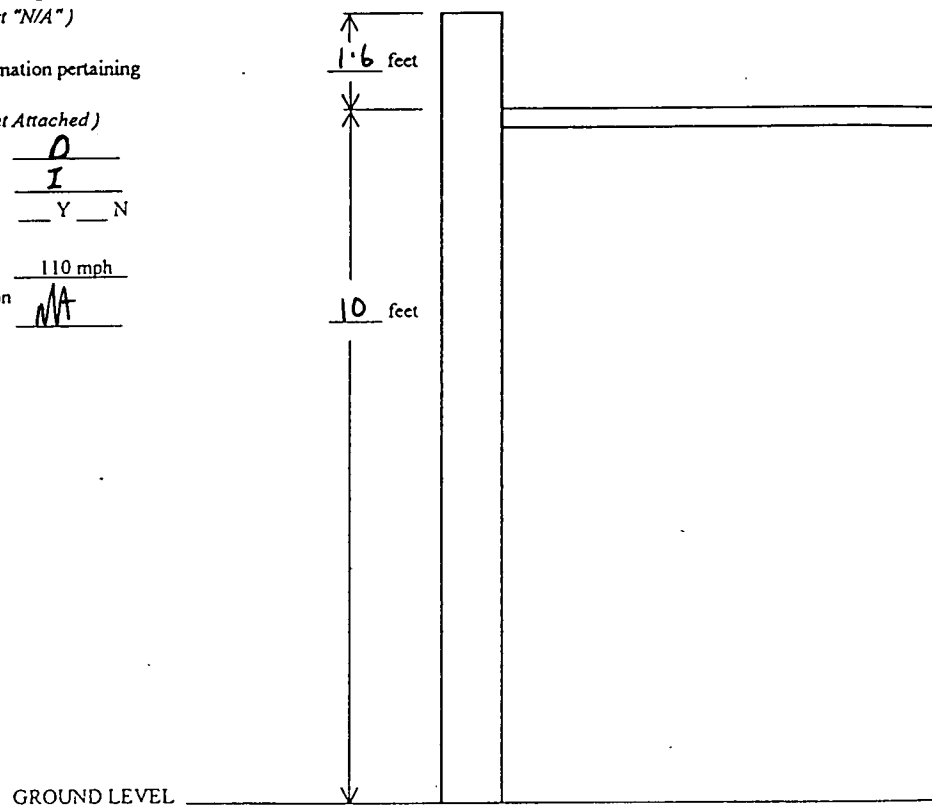
Exposure Category: 0

Classification Category: I

At Hurricane Oceanline?: Y N

Basic Wind Speed at  
Building Location: 110 mph

Building Condition based on  
% of Openings: NA



BUILDING INFORMATION #1

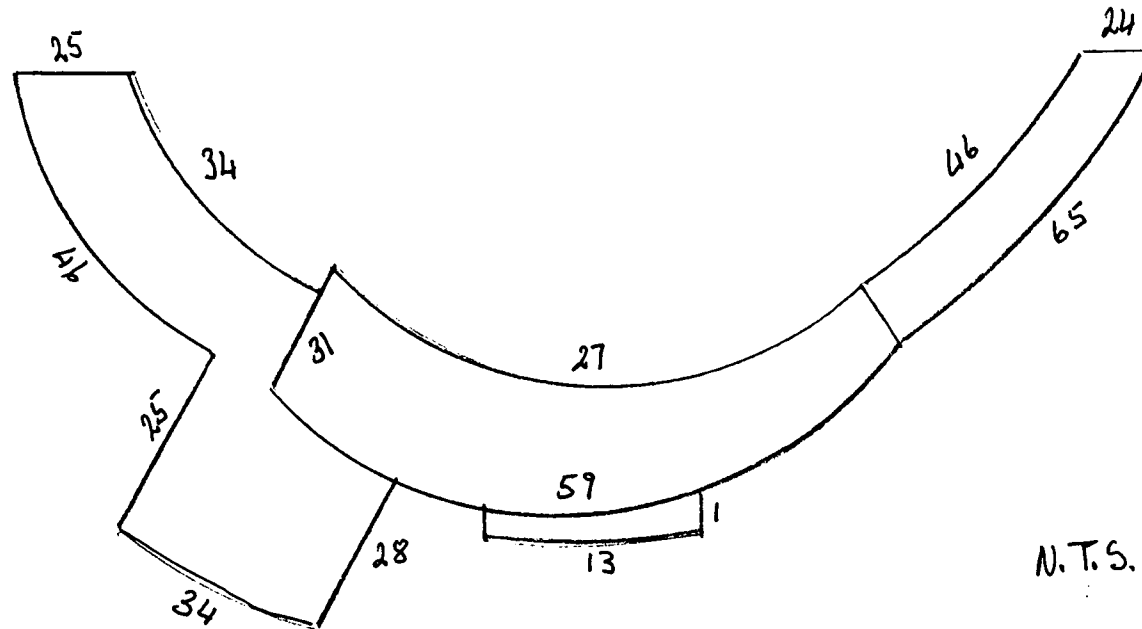
Job Address: 1134 S. Biscayne  
Point Rd

Contractor Bob Wilson & Co

Process No. \_\_\_\_\_

Sketch Roof Plan indicating all dimensions, any slopes, roof drains, crickets, or roof top equipment. Also insert variable labeled "a" which indicates perimeter and corner dimensions per Chapter 23 of the South Florida Building Code.

(See ASCE 7-88 Fact Sheet Attached)



BUILDING INFORMATION #2: Roof Plan with Perimeter and Corner Dimensions

# S E & Associates Consulting Engineers, Inc.

Project: 1134 S. BISCAYNE POINT ROAD

Client: HILSON

Subject: FASTENING PATTERN

By: J.E.

Date: 4/10/95

Page: 1/3

## PROBLEM:

ROOF DECK CONSISTS OF 1X T/G WHICH HAS AN ARCHITECTURAL FINISH BELOW. PROVIDE SMALLER NAILS & FASTENING PATTERN TO MAINTAIN EQUIVALENT UPLIFT RESISTANCE.

Using ASCE 7-88 TO COMPUTE UPLIFT:

$$q_z = 0.00256 K_z (IV)^2$$
$$= 27.3 \approx \text{PSF}$$

6-5.3.3

$$K_z = .80 \text{ Exp. C}$$
$$I = 1.05$$
$$V = 110 \text{ MPH}$$

Using Comp of CLADDING < 60'

$h = 11'$  PER B&HULSAF Co.

$$p = q (G_{cp} - G_{cp,i})$$

$$a = .10(24) = 2.4' \leftarrow$$

OR  $.4h = .4(11) = 4.4'$

$\therefore 3'$  CONTROLS.

$$A_1 = \frac{25 + 18}{2} \times \frac{21 + 53}{2} = 796 \text{ ft}^2$$

$$A_2 = 3(28 + 56 + 21 + 24) = 387 \text{ ft}^2$$

$$A_3 = 9 \text{ ft}^2$$

$$p_1 = 27.3(-1.2 + 0) = 32.8 \text{ PSF}$$

$$p_2 = 27.3(-1.5 + 0) = 41.0 \text{ PSF}$$

$$p_3 = 27.3(+1.0 + 0) = 109.2 \text{ PSF}$$



# S E & Associates Consulting Engineers, Inc.

Project: 1134 S. BISC. POINT ROAD

Client: HILSON

Subject: FASTENING PATTERN

By: JE

Date: 4/18/95

Page: 2/3

FROM TIMBER MANUAL:

(1294) .12" DIA THREADED NAILS IN WOOD  $G = .55$  (South Pine)

$\Rightarrow 41\# / \text{INCH PENETRATION - WITHDRAWAL}$

ASSUMING  $5/8"$  PENETRATION  $\Rightarrow 25.6\# / \text{NAIL}$

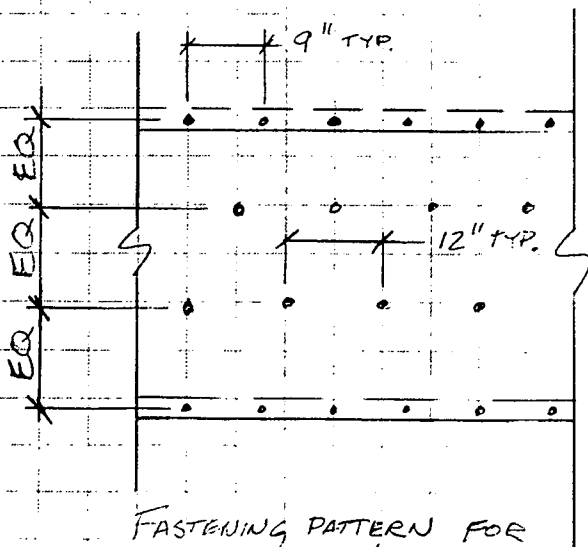
FROM TABLE 4.7 p. 4-98  $C_d = 1.6$

$\therefore F = 1.6(25.6) = 41\# / \text{NAIL}$

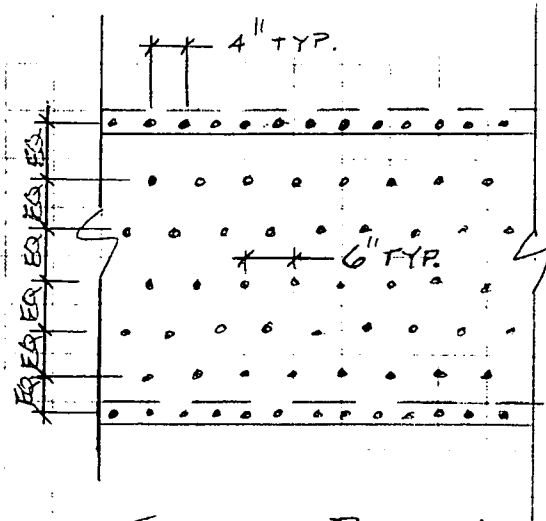
A<sub>1</sub>  $\Rightarrow$  USE 1 NAIL / SQ. FT. OR PER SFBC PERIMETER

A<sub>2</sub>  $\Rightarrow$  " " " " " " " "

A<sub>3</sub>  $\Rightarrow$  USE 4 NAILS / SQ. FT. OR @ 6" O.C. OR LESS IN FIELD & OVERLAP.



FASTENING PATTERN FOR  
AREAS A1 & A2



FASTENING PATTERN  
FOR AREA A3

***S E & Associates Consulting Engineers, Inc.***

Project: 1134 S. Bisc. Point Rd.

Client: HILSON

Subject: FASTENING PATTERN

By: JE

Date: 4/18/95

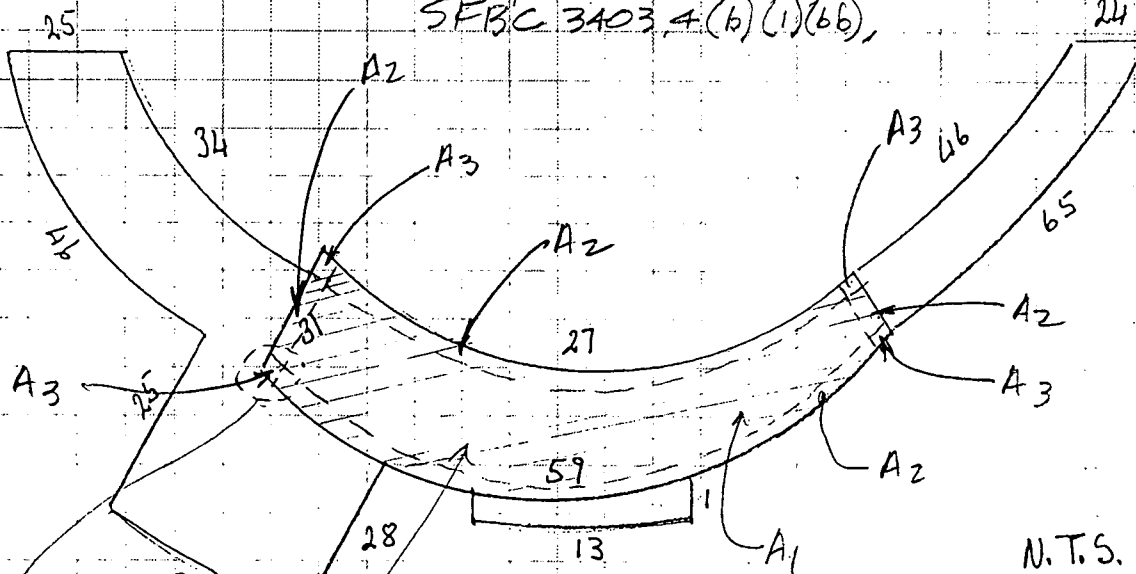
Page: 3/3

A<sub>1</sub> ⇒ PROVIDE 2 ROWS OF FASTENERS @ 12" O.C. & 9" O.C. @ THE LAPS.

$A_2 \Rightarrow$  SAME AS  $A_1$

A<sub>3</sub> ⇒ PROVIDE 5 ROWS OF FASTENERS @ 6" O.C. &  
4" O.C @ THE LAPS.

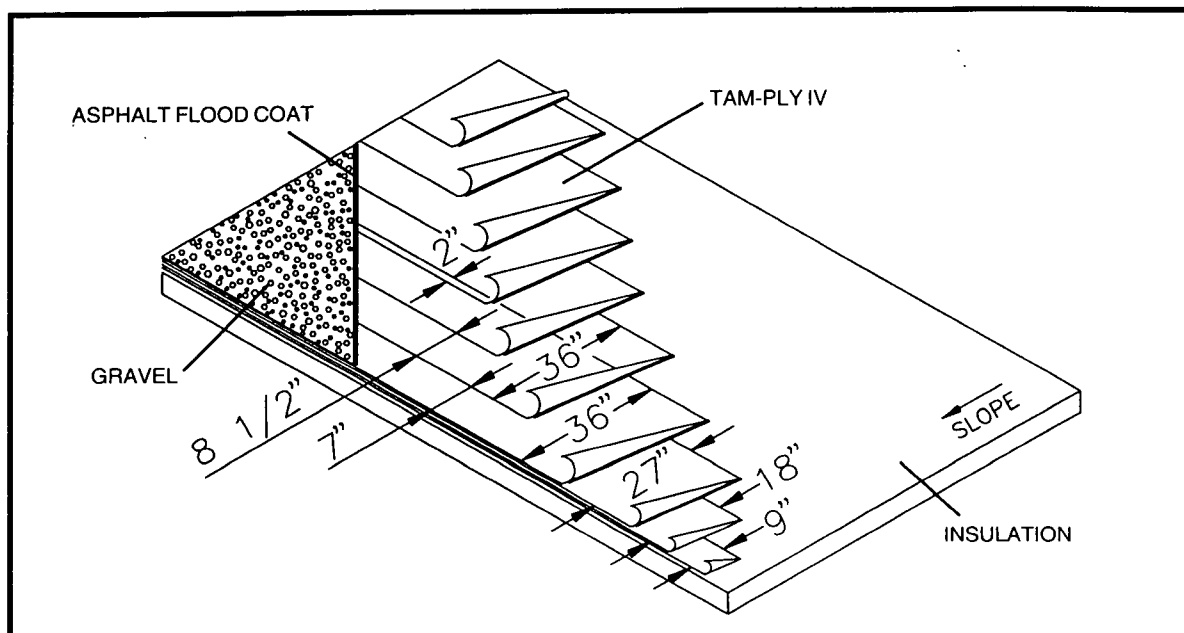
TYP FASTENER = 12ga x 3/4" GALV. RING SHANKED NAIL W/ NOT LESS THAN 20 RINGS/INCH & NOT LESS THAN 3/8" & HEAD. USE TIN LAPS AS PER SFBC 3403.4(b)(1)(bb), 24



N.T.S.

SECTION OF BUILDING WHICH BOT. OF LUMBER IS EXPOSED IS RELATIVE TO THESE CALCULATIONS.

TYP. A<sub>3</sub> DETAIL



**Material Requirements**

|                                             |                         |
|---------------------------------------------|-------------------------|
| <b>TAMKO TAM-PLY IV®</b>                    |                         |
| <b>Fiberglass Ply Sheet</b>                 | <b>4 plies</b>          |
| <b>Interply Asphalt (Per 100 sq. ft.)</b>   | <b>Approx. 92 lbs.</b>  |
| <b>Flood Coat Asphalt (Per 100 sq. ft.)</b> | <b>Approx. 60 lbs.</b>  |
| <b>Gravel (Per 100 sq. ft.)</b>             | <b>Approx. 400 lbs.</b> |

**Slope:** Positive drainage up to 3 in. per linear ft. **For slopes above 1 in. per linear ft.,** fastening of the roofing felts is required.

**Deck:** The deck should conform to TAMKO general requirements.

**Insulation:** The insulation should be installed according to the manufacturer's specification in the thickness required. The insulation should conform to TAMKO requirements. Polyisocyanurate and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

**Asphalt:** The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II\* for slopes up to 1/2 in.** and **Type III for slopes up to 3 in.**

**Fiberglass Ply Sheets:** Over the insulation, install **4 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 9 in. width, an 18 in. width, then a 27 in. width. Follow with full 36 in. widths, shingle fashion, lapping each ply 27-1/2 in. in such a manner so that at least 4 plies of ply sheet cover the insulation at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

**Surfacing:** Apply a flood coat of 60 lbs. (±15%) of specification asphalt per 100 sq. ft. over the entire surface. While hot, embed approximately 400 lbs. of clean roofing gravel or 300 lbs. of slag per 100 sq. ft. of completed roof area.

**Flashing:** The flashing material **must** be a TAMKO polyester reinforced modified asphalt flashing material.

**U.L. Class A Requirements:**

**Combustible deck:** minimum 1/2" plywood, tongue-and-groove decks, etc.; maximum slope 3".

**Insulation:** any combination, any thickness of perlite, fiberglass, cellular glass, iso, or EPS.

**Surfacing:** flood coat & gravel.

**Noncombustible deck:** maximum slope 3".

**Insulation:** any combination, any thickness of perlite, woodfiber, fiberglass, cellular glass, iso, or EPS.

**Surfacing:** flood coat & gravel.

Contact TAMKO for further information on other U.L. systems.

**\*Except in FL, TX, NM, AZ, CA**

| Permit # | COMP_TYPE | Sub Type | Status | APPLIED   | APPROVED  | EXPIRED   |
|----------|-----------|----------|--------|-----------|-----------|-----------|
| BS951353 | BSBUILD   | OTH      | FINAL  | 24-Apr-95 | 24-Apr-95 | 13-Nov-95 |
| B0705047 | BSBUILD   | MRNE-R   | FINAL  | 15-Jun-07 | 31-Jul-07 | 17-May-08 |
| BS932657 | BSBUILD   | OTH      | CLOSED | 14-Jun-93 | 16-Jun-93 | 13-Dec-93 |

| DESCRIPTION                                                                                                              | TREET_N | _DIR |
|--------------------------------------------------------------------------------------------------------------------------|---------|------|
| REROOF FROM GRAVEL TO GRAVEL                                                                                             | 1134    | S    |
| REPAIR 3 AREAS OF 10 FT OF SEAWALL, REPAIR 18 INCHES WITH GROUT AND ROCKS, REPAIR 15 FT IN 1 SECTION, FILL VOIDS ON LAND | 1134    | S    |
| ROCK TYPE SEAWALL REPAIR                                                                                                 | 1134    | S    |

| STREET_NAME          | PARCEL_NO   |
|----------------------|-------------|
| BISCAYNE POINT<br>RD | 32030011461 |
| BISCAYNE POINT<br>RD | 32030011461 |
| BISCAYNE POINT<br>RD | 32030011461 |