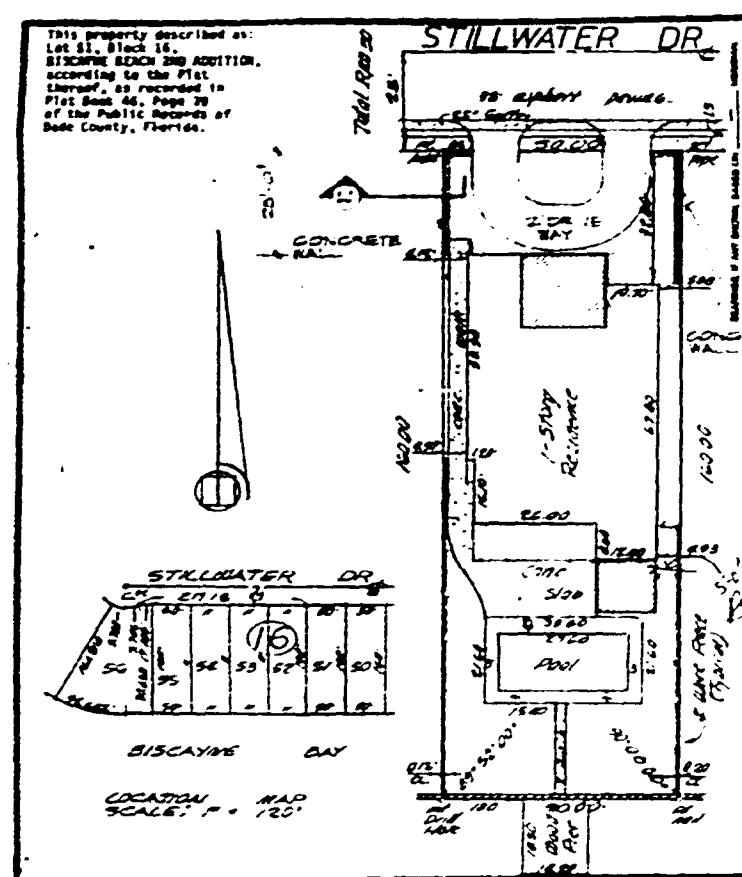


SECTION A-A
SCALE 1/4" = 1'-0"



SITE PLAN
SCALE 1/4" = 1'-0"

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

ENGINEER: *[Signature]*
PLUMBER: *[Signature]*
ELECTRICIAN: *[Signature]*
MECHANICAL: *[Signature]*
FIRE PREVENTION: *[Signature]*
INSPECTION: *[Signature]*

ADDITION & ALTERATIONS FOR
MR. & MRS. ABE SPETTER
1520 STILLWATER DRIVE
MIAMI BEACH, FLORIDA 33166

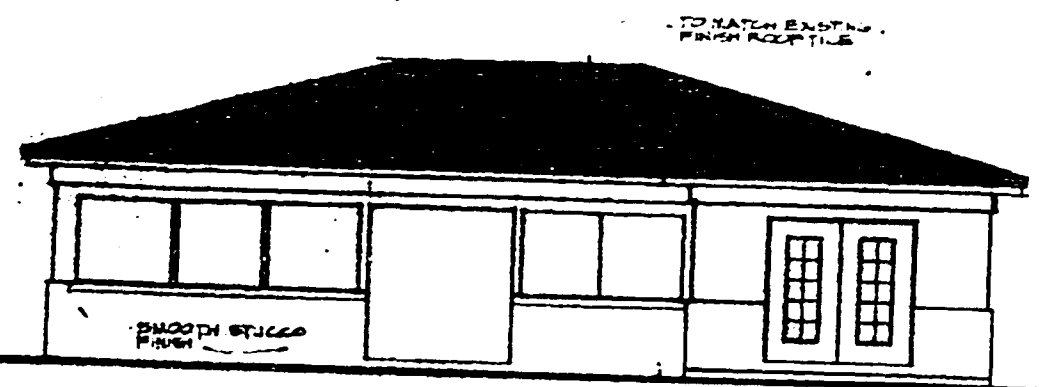
A. BERTO DELGADO BILLINI, P.E.
11405 S.W. 84th STREET
MIAMI, FLORIDA 33173
(305) 270-1770

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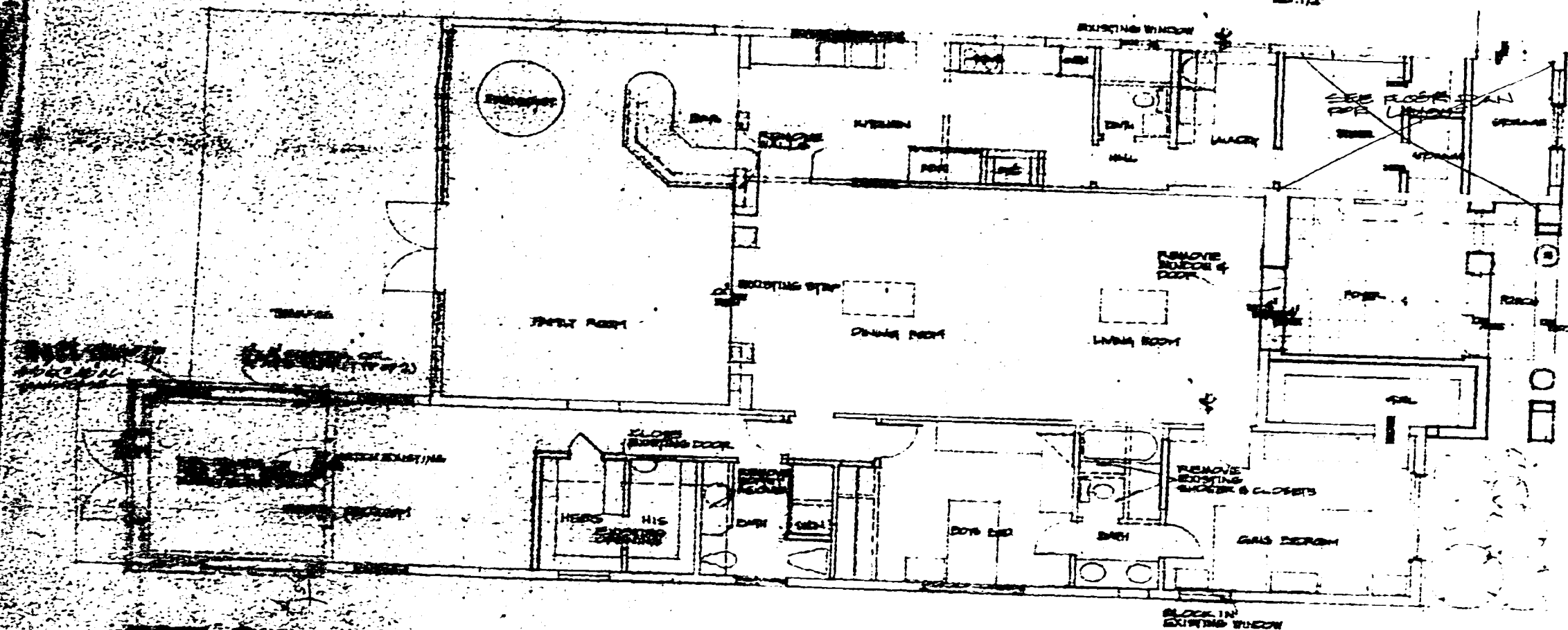
000173



FRONT ELEVATION



REAR ELEVATION



FLOOR PLAN (DEMOLITION)

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

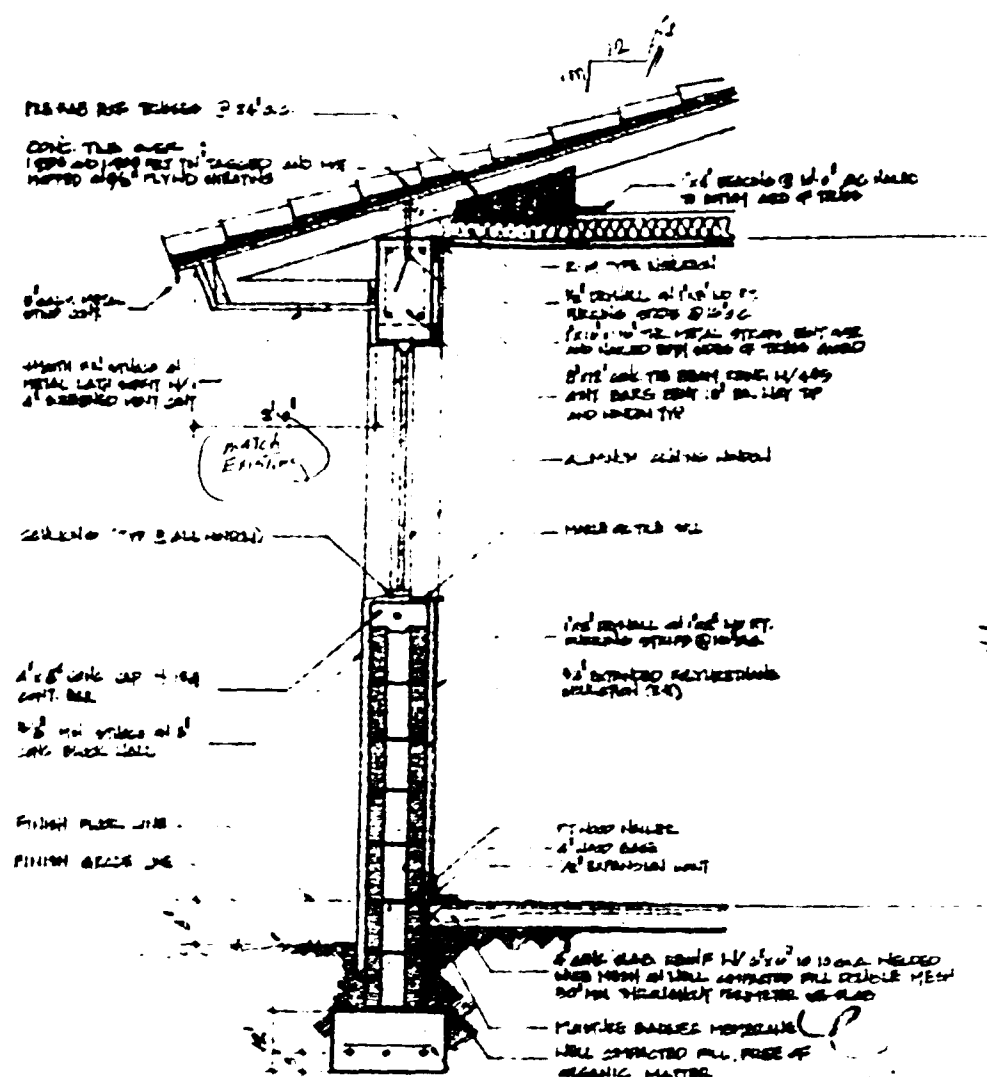
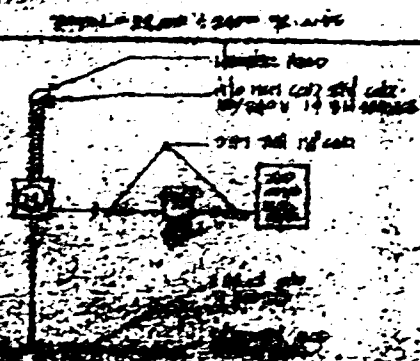
ADDITION & ALTERATIONS FOR
MR. & MRS. ABE SRETER
1520 STILLWATER DRIVE
MIAMI BEACH, FLORIDA 33186

ALBERTO DELGADO BILLINI, P.E.
11405 S.W. 84th STREET
MIAMI, FLORIDA 33173
(305) 270-1770

Scale: 1/4" = 1'-0"
Date: 10/10/82
Drawn: J. L. GARCIA
Check: J. L. GARCIA
App: J. L. GARCIA
4 2

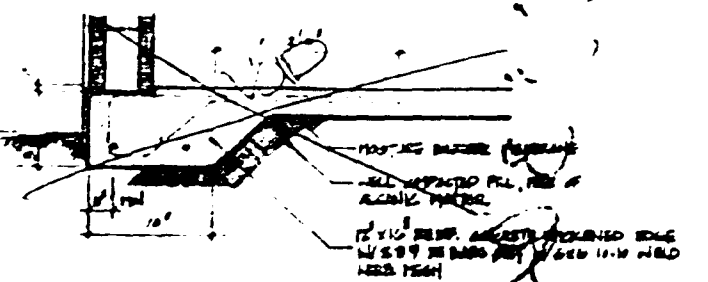
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PAVING
 TUNING
 PLOWING
 ELECTRICAL
 MECHANICAL
 FIRE PREVENTION
 ENGINEERING

TYPICAL WALL SECTION
(ONE STORY AREA)



ALTERNATE FOOTING DETAIL 1-1

ALBERTO DELGADO BILLINI, P.E.
11405 S.W. 84th STREET
MIAMI, FLORIDA 33143
(305) 555-1100

**ADDITION & ALTERATIONS FOR
MR. & MRS. ABE SRETER
1520 STILLWATER DRIVE
MIAMI BEACH, FLORIDA 33166**

DATE MARCH 29 91
 TIME 14:15
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 PAGE 4

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUSHING _____
 ZONE _____
 PLUMBING _____
 ELECTRICAL _____
 MECHANICAL _____
 FIRE PREVENTION _____
 ENGINEERING _____

ALBERTO DELGADO BILLINI, P.E.
11405 S.W. 84th STREET
MIAMI, FLORIDA 33173
(305) 270-1770

**ADDITION & ALTERATIONS FOR
MR. & MRS. ABE SRETER
1520 STILLWATER DRIVE
MIAMI BEACH, FLORIDA 33168**

Date	8-1-71
Scale	AS NOTED
Drawn	G.J.
Job	91-109

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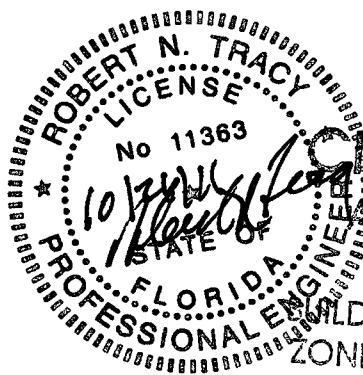
STRUCTURAL REPORT

Diaz Residence
1520 Stillwater Drive
Miami Beach, Florida

ATF Timber Viewing Platform

Tracy Consultants, Inc.
Robert N. Tracy, PE # 11363
4660 SW 128th Avenue
Southwest Ranches, FL 33330-2302
Phone 954-434-5035
Fax 954-434-1675

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 government entities such as water management districts, state agencies, or federal agencies. The City of Miami Beach assumes no responsibility for accuracy of or omissions from these plans which are approved subject to compliance with Federal, State, and Local Laws, Rules, and Regulations.



JOB COPY

CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

Environmental Consultant:



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NOV 08 2011

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

CONCURRENCY:
BUILDING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:

TRACY CONSULTANTS INCORPORATED

STRUCTURAL ANALYSIS

OCTOBER 15, 2011

DOCK DESIGN: 11-113

DIAZ RESIDENCE
1520 STILLWATER DRIVE, MIAMI BEACH, FL.

LOADING-50 PSF TOTAL LOAD.

PLATFORM 19'-1" // TO CAP EXTENDING WATER-WARD 17'-2"

MAX. PILE SPACING-12'-8". MAX. BEAM SPAN B=15', BEAM A SPAN 13'

JOIST SPAN=11'-8", DECK CLEAR SPAN=16'

ADJUSTMENT FACTORS: DESIGN VALUES: 4x12 BEAMS-#1 SYP Fb=1250psi
Cm .85 Fb, .7xFe, 1.0xFe(|| TO GRAIN) 2x6 DECKING #2 syp Fb=1250psi
Cd=1.25, Ceg=0.67 Cf=1.1 3x8 JOISTS-#2 SYP, Fb=1200 psi
Cfu=1.15, C=1.15,

1. $50\#/\text{sf} \times 5\text{'-}1/2\text{'}/12\text{'}=22.9\#/\text{f}$ ON A 2x6 DECK BOARD $S_{yy}=2.06\text{'}$ $M=22.9 \times (16/12)^2/8 = 5.1\#$,
 $S_{yy} \text{ req'd} = 5.1 \times 12/1250 = 0.048\text{'}$, **OK**
ATTACHED TO JOISTS W/TWO #10 S.S. DECK SCREW

2. 4x12 BEAM B: SPAN 15'. MAX LOAD= $50 \times (11.67/2 + 4.5/2) = 404\#/\text{f}$, $M=404 \times 15^2/8 = 11370\#$,
 $S \text{ req'd} = 11370 \times 12 / (1250 \times .85 \times 1.1) = 116.7, 4 \times 12 \text{ S}=73.83\text{'}$ NG, $4 \times 16 \text{ S}=135.7\text{'}$ OK

$R=404 \times 15/2 + 404 \times 2 = 3838\# / 1000 = 3.84\text{k}$, ONE 3/4" THRU-BOLT GOOD FOR 0.810k
NO. REQ'D= $3.84 / .810 = 4.74$ NG, TRY ONE 7/8" THRU-BOLT GOOD FOR 1.16k
NO. REQ'D= $3.84 / 1.16 = 3.31$ BOLTS, TRY ONE 1" THRU-BOLT GOOD FOR 1.39k
NO. REQ'D= $3.84 / 1.39 = 2.76$ OK USE 3 ONE INCH BOLTS

TRY TWO 4x12 BEAMS FOR BEAM B ONE EA SIDE OF PILES
LOAD ON DOCKSIDE BEAM= $4/2 \times 50 = 100\#/\text{f}$, $M=100 \times 15^2/8 = 2813\#$,
 $S \text{ req'd} = 2813 \times 12 / (1250 \times .85 \times 1.1) = 28.87\text{'}$ OK EVEN $3 \times 12 \text{ S}=52.73\text{'}$
 $R=100 \times 15/2 = 750 + 100 \times 2 = 950\#$

LOAD ON WATER SIDE BEAM = $50 \times 11.67/2 = 292\#/\text{f}$, $M=292 \times 13^2/8 = 6163\#$
 $S \text{ req'd} = 63.3\text{'}$, S OF $4 \times 12 = 73.83\text{'}$
 $R=292 \times 15/2 = 2190 + 292 \times 2 = 2234\#$, , TRY 7/8" THRU-BOLTS, ONE GOOD FOR 1160#, NO
REQ'D= $2234 / 1160 = 1.93$ OK USE TWO 7/8" THRU-BOLTS FOR BEAM dsB & wsB

3. 4x12 BEAM A: SPAN 13' LOAD= $50 \times (11.67/2 + 1) = 342\#/\text{f}$, $M=342 \times 13^2/8 = 7225\# / 1000 = 7.23\text{k}$
 $S \text{ req'd} = 7.23 \times 12 / (1250 \times .86 = 5 \times 1.1) = .074 \times 1000 = 74\text{'}$, OK
 $R=342 \times 13/2 = 2223 + 2 \times 342 = 3591\# / 1160 = 3.1$ OK USE 3-7/8" THRU-BOLTS NG NO ROOM $4D=3.5\text{'}$
TRY 1" BOLTS, $4D=4\text{'}$ OK ROOM FOR BOLTS

3. 3x8 JOISTS: LOAD= $50 \times 1.5 = 75\#/\text{f}$, $M=75 \times 11^2/8 = 1134\#$, $S=1134 \times 12 / (1200 \times .85) = 13.3\text{'}$
 $3 \times 8 \text{ S}=21.9\text{'}$ OK

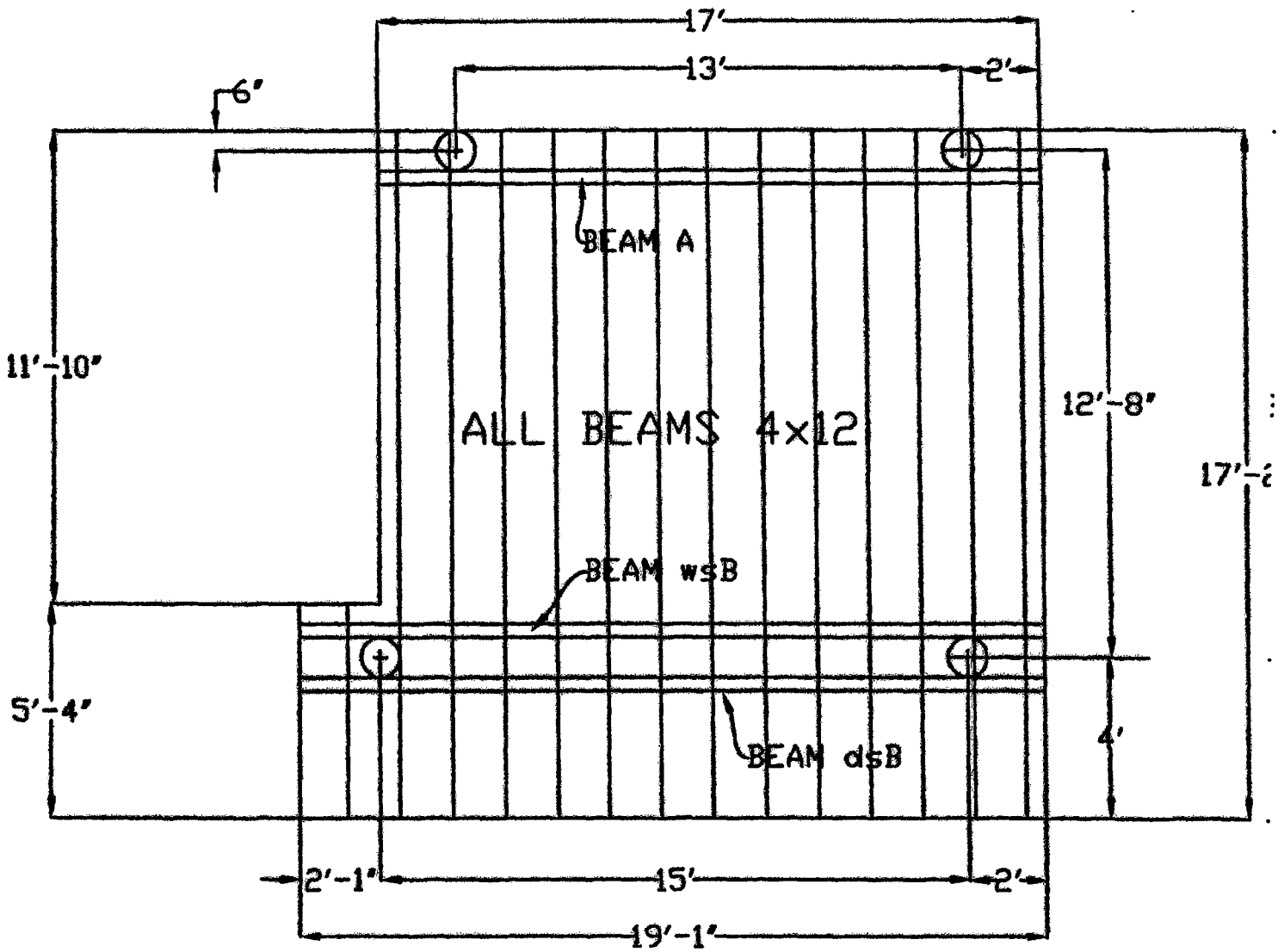
ROBERT N. TRACY, P.E., #11363
PRESIDENT

4660 SW 128th Ave., Ft. Lauderdale, FL, 33330-2302

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

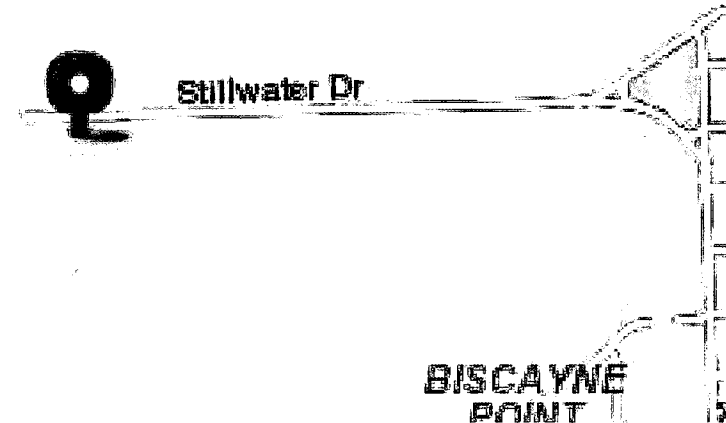
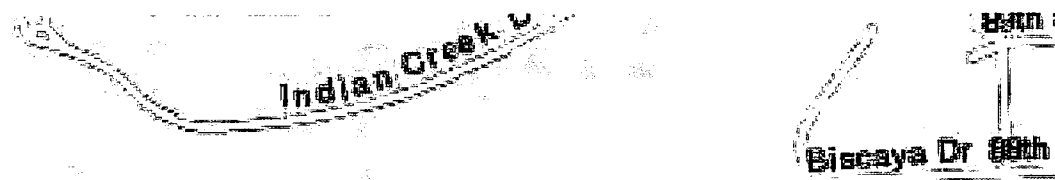


DECK WITH EXISTING PILES
 1/2" = 1'-0"

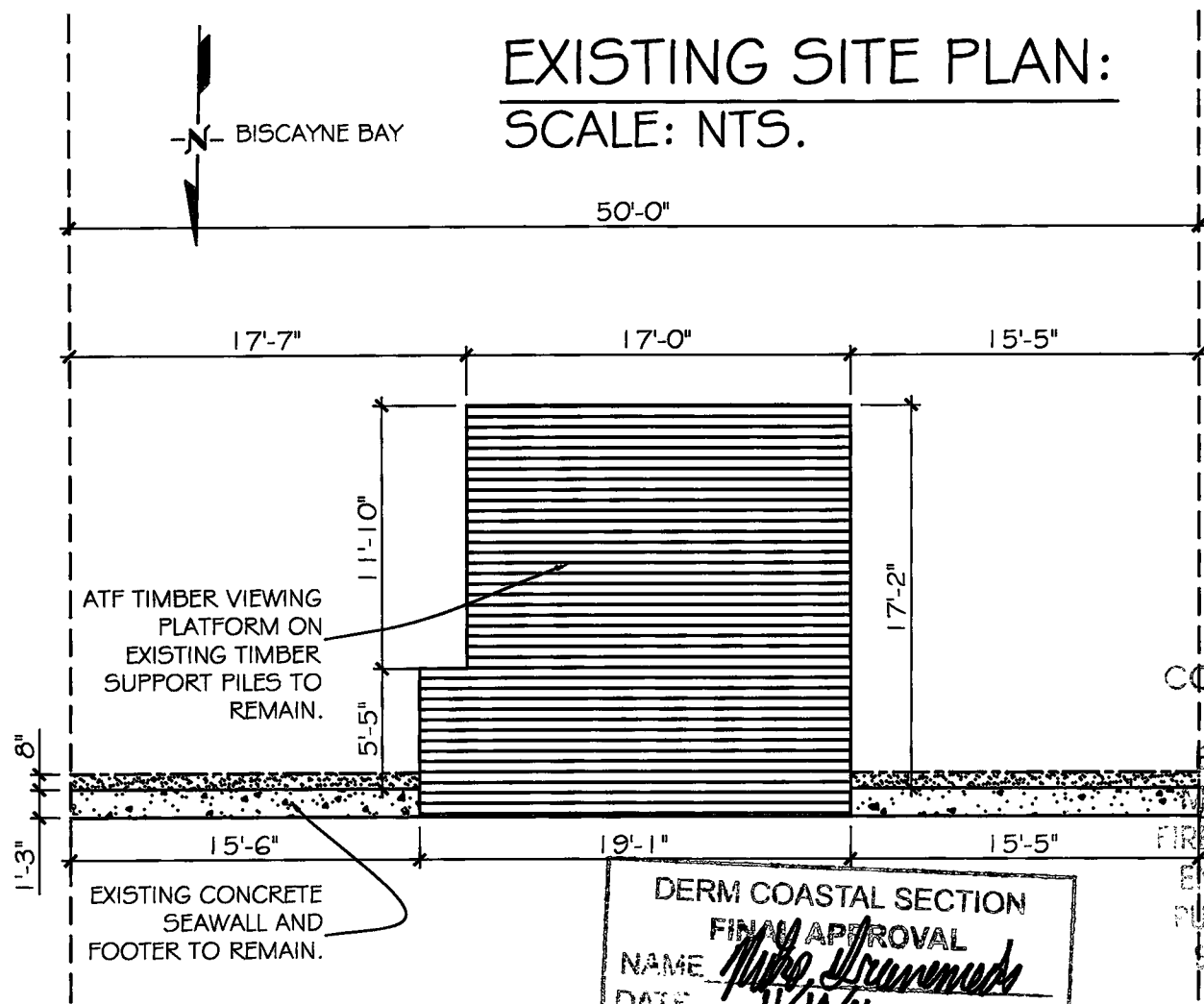
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DERM Coastal Resources Section
 Natural Resources Regulation & Restoration
 Division (NRRD)



LOCATION PLAN:
SCALE: NTS.



GENERAL NOTES

GENERAL

ALL 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 OF THESE PERMITS.

APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 2007 EDITION.

WOOD PILING

1. ALL WOOD PILES TO BE 12" DIAMETER SOUTH AMERICAN GREENHEART PILES; OR 12" DIAMETER SOUTHERN PINE AND COMPLY WITH A.S.T.M. D25-79 AND BE PRESSURE TREATED W/ C.C.A, FEDERAL SPECIFICATIONS TT-W-550D (I) OR TT-W-00550E (L) AND AWFA-MP-4.
2. ALL WOOD PILES SHALL BE DRIVEN TO A MINIMUM PENETRATION OF 12' INTO FIRM MATERIAL BELOW SILT LAYER.
3. PILES SHALL BE CUT OFF AT ELEVATIONS AS SHOWN ON PLANS AND SECTIONS.

WOOD

1. PRIMARY WOOD FRAMING MEMBERS SHALL BE NO. 1 PRESSURE TREATED SOUTHERN PINE OR BETTER.
2. ALL DECKING SHALL BE AS SHOWN ON PLANS.

HARDWARE

1. ALL BOLTS SHALL BE TYPE 316 STAINLESS STEEL.
2. ALL MISCELLANEOUS STEEL COMPONENTS, BOLTS AND HARDWARE SHALL BE TYPE 316 STAINLESS STEEL UNLESS OTHERWISE SPECIFIED.

LOADS

LL = 50 PSF

TURBIDITY BARRIER

1. APPROVED TURBIDITY BARRIERS SHALL REMAIN IN PLACE DURING ALL PHASES OF IN-WATER WORK.

PLAN SCALES

1. PLAN SCALES ARE ONLY ACCURATE ON 11" X 17" PRINTED PAPER "LANDSCAPE" ORIENTATION.

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copy

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OCT 27 2011

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY

THE FOLLOWING:

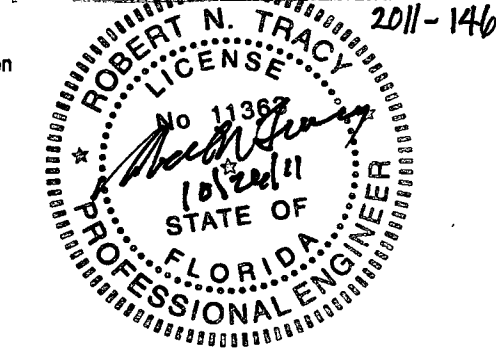
- BUILDING:
- ZONING:
- DRB/HPB:
- CONCURRENCY:
- PLUMBING:
- ELECTRICAL:
- MECHANICAL:
- FIRE PREVENTION:
- ENGINEERING:
- PUBLIC WORKS:
- STRUCTURAL:
- ELEVATOR:

10/31/11 11/02/11

12/6/11

10/2/11 11/2/11

DERM COASTAL SECTION
PRELIMINARY APPROVAL
NAME Mike Drummonds
DATE 10/27/11



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NOV 08 2011

Tracy Consultants, Inc.
DERM Coastal Resources Section
Natural Resources Regulation & Restoration Division (NRRRD)
Robert N. Tracy, PE # 11363
4660 SW 128th Avenue
Southwest Ranches, FL 33330

DERM COASTAL SECTION
FINAL APPROVAL
NAME Mike Drummonds
DATE 11/10/11

TOR ID ENV
Environmental consultants, inc.
1520 STILLWATER DRIVE
MIAMI BEACH, FLORIDA 33142
bibi@tridentenv.com
305.444.1144

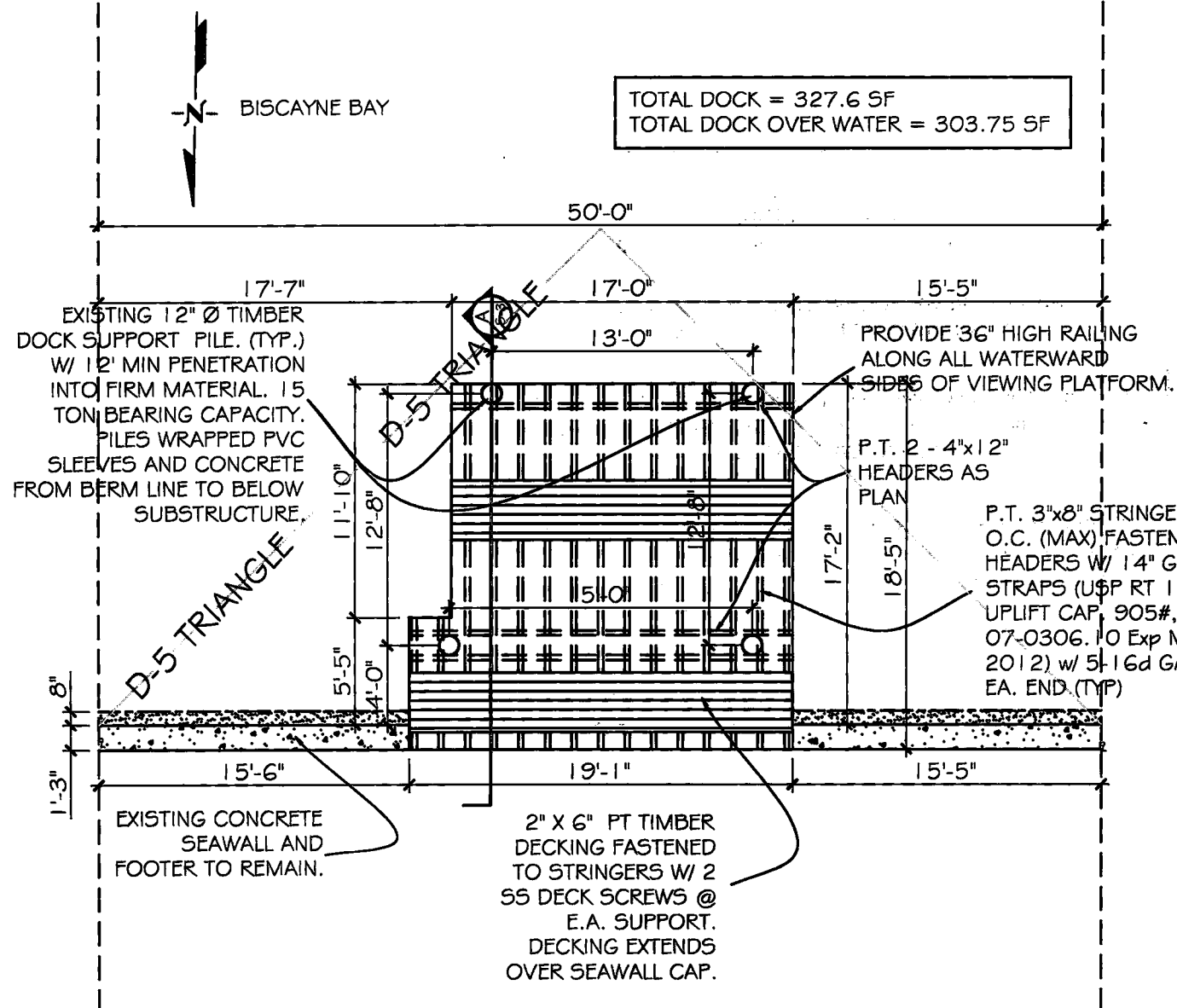
job name: _____
date: _____
issued: _____
drawn: _____
checked: _____
project no.: _____
revisions: _____

sheet no.
S-1
1 of 2

NOTICE: In addition to the requirement of this permit there may be additional restrictions and conditions that may be found in the Public Records of the County of Miami. It is the responsibility of the permit holder to obtain and review all applicable laws, rules, regulations, and codes of the County of Miami. The permit holder is responsible for obtaining all necessary permits from the appropriate agencies. The permit holder is responsible for obtaining all necessary permits from the appropriate agencies. The permit holder is responsible for obtaining all necessary permits from the appropriate agencies.

PROPOSED SITE PLAN:

SCALE: 1/8" = 1'



DERM COASTAL SECTION
FINAL APPROVAL
NAME *[Signature]*
DATE *11/10/11*

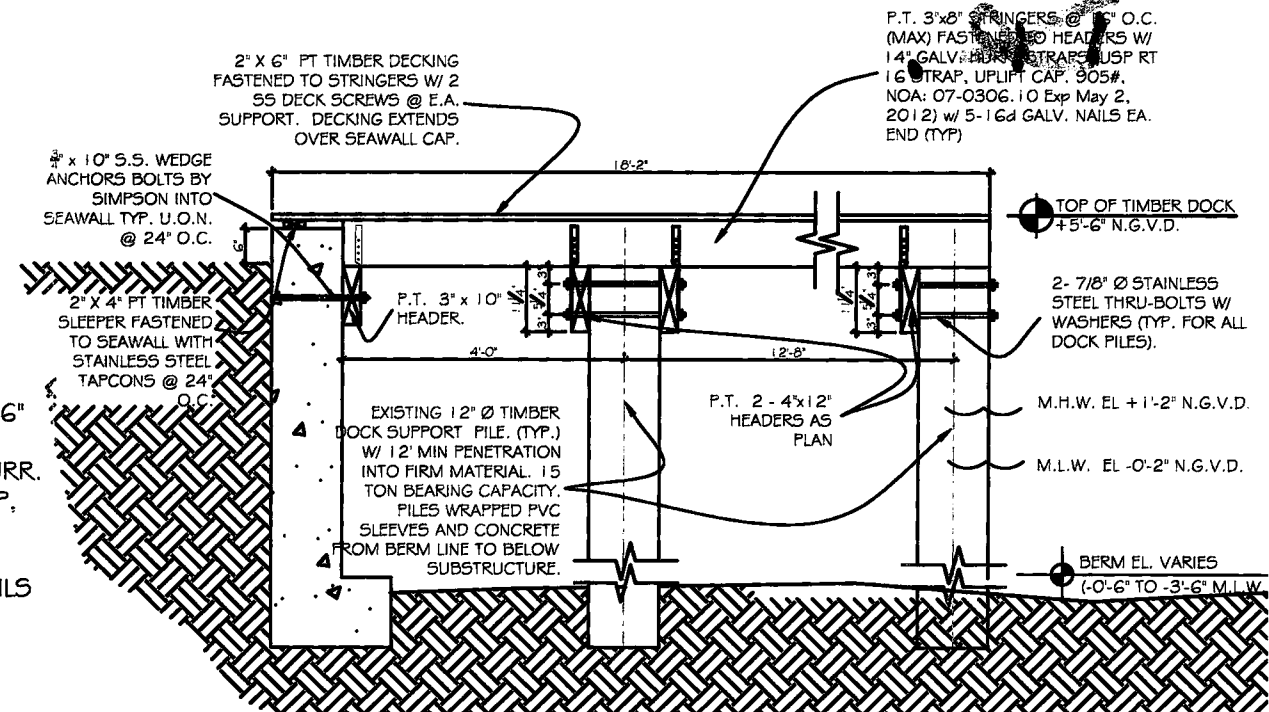
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DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

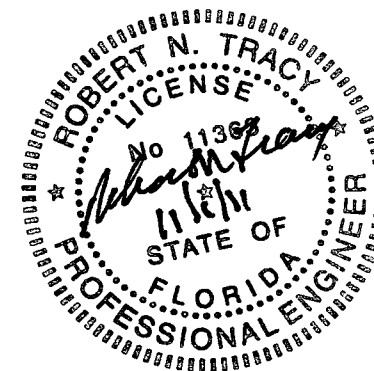
SECTION A (SHEET S-2)

SCALE: 3/8" = 1'

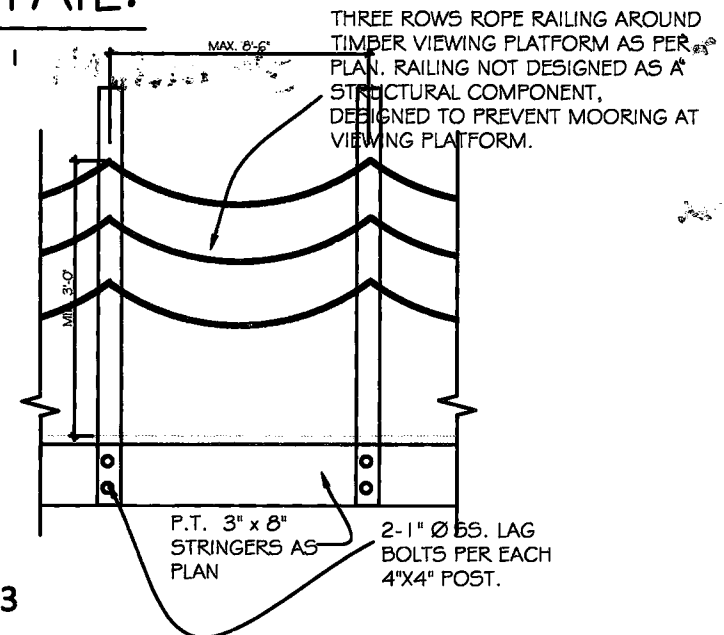


RAILING DETAIL:

SCALE: 3/8" = 1'



Tracy Consultants, Inc.
Robert N. Tracy, PE # 11363
4660 SW 128th Avenue
Southwest Ranches, FL 33330



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

DERM COASTAL SECTION
PRELIMINARY APPROVAL

NAME *[Signature]*
DATE *11/1/11*

environmental consultants, inc.
305-244-0595 (O) btr@tridentenv.com
2845 NW 35th Street Miami, Florida 33142

job name:
DIAZ RESIDENCE
1520 STILLWATER DRIVE
MIAMI BEACH, FLORIDA
title:
ATF TIMBER VIEWING PLATFORM ON EXISTING TIMBER PILES

date _____
issued _____
drawn _____
checked _____
project no. _____
revisions: _____

sheet no.
S-2
2 of 2

MASTER B1200403

1520 Stillwater Dr.

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

BUILDING:

ZONING:

DEVELOPER:

AGENCY:

DESIGNER:

REVIEWER:

APPROVER:

REVIEWER:

REVIEWER:

REVIEWER:

REVIEWER:

REVIEWER:

11/02/11

12/14/11

12/06/11
11/02/11

Ar 11/2/11

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

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:

Date: 11/02/11