

**DUNCAN**  
SEAWALL, DOCK & BOAT LIFT, LLC

**Response to Review Comments:**

Longboat Key Moorings  
2600 Harbourside Dr, L-Dock  
PB25-0327

\*No standpipe associated with this rebuild. The fire suppression is certified every year per the Town of Longboat Key.

\*The electric is existing. Duncan Seawall will not be touching the electric.

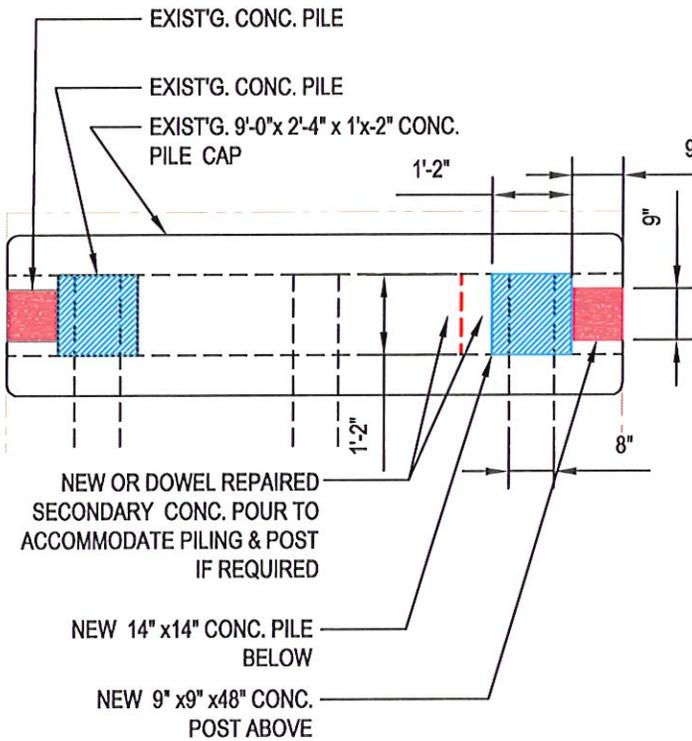
1. AREA OF WORK
2. REPAIR 4 DAMAGED CONCRETE PILINGS
3. REFER TO DRAWINGS FOR SCOPE OF WORK



John Henry  
Kampmann Jr.  
2025.02.19 22:  
59:41-05'00'

N

1 SITE PLAN  
SCALE: NTS



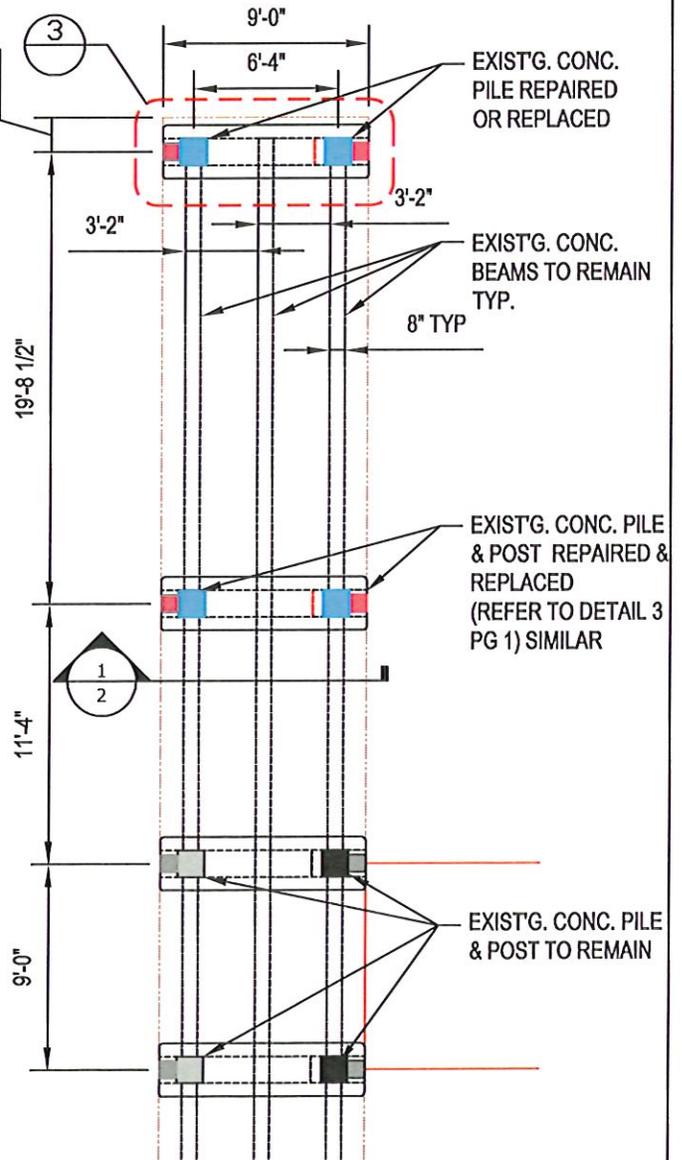
3 DETAIL PLAN  
SCALE: 3/8" = 1'-0"

**NOTES**

1. SEE SHEETS 2-7 OF 7 FOR ADDITIONAL INFORMATION.

John Kampmann, PE  
FL Lic. No. 47516  
CA: 5752  
Date: See Digital Seal  
on Sheet 1

2 DOCK REPAIR PLAN  
SCALE: 1/8" = 1'-0"



**MEA**  
ENGINEERS, INC.  
2352 Appaloosa Circle  
Sarasota, Florida 34240  
(941) 922-3854

This item has been digitally signed and sealed by John Kampmann PE on the date of the digital seal on sheet 1. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PROJECT  
LONGBOAT KEY CLUB MOORINGS  
2630 HARBOURSIDE DR,  
LONGBOAT KEY, FL 34228  
DOCK REPAIR

PROJECT #

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BY:

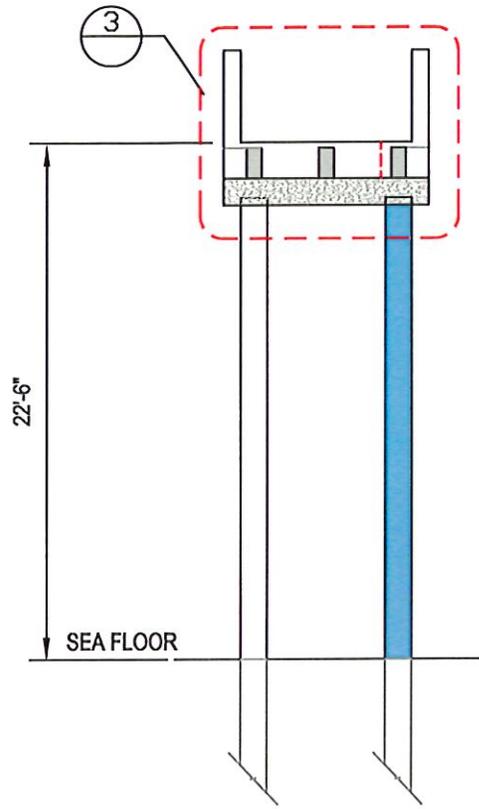
JK

DATE:

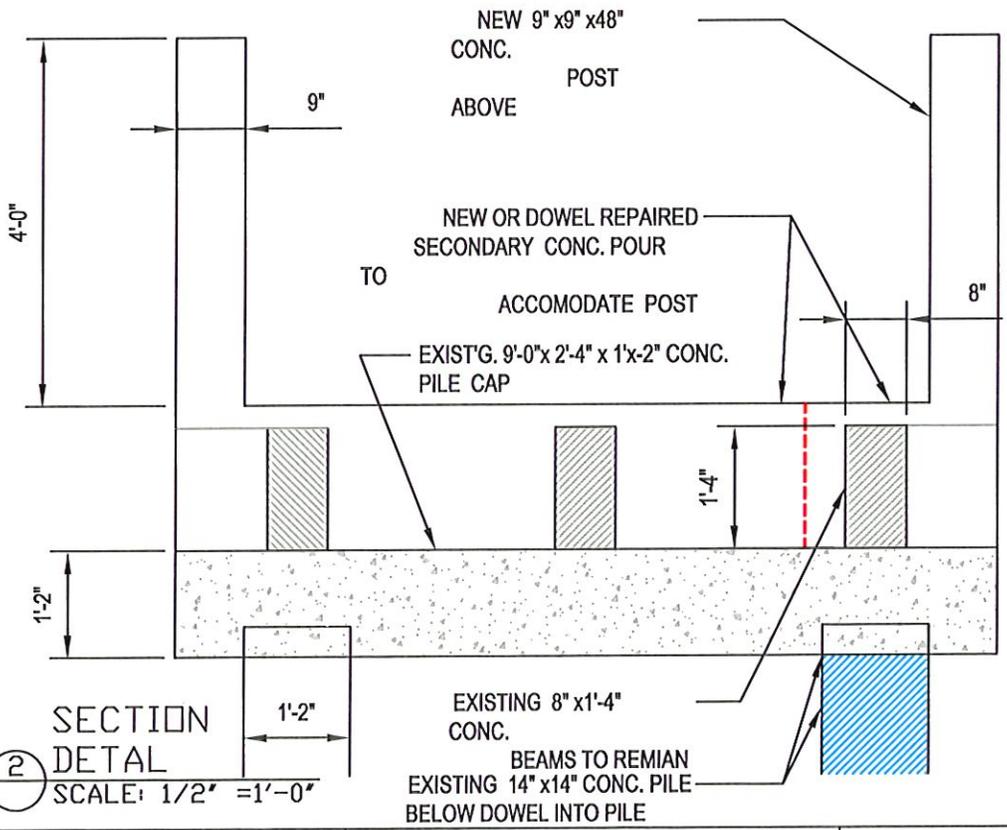
2025.02.09

SHEET #

1 OF 4



1 SECTION  
SCALE: 1/8" = 1'-0"



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

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**PROJECT**  
LONGBOAT KEY CLUB MOORINGS  
2630 HARBOURSIDE DR,  
LONGBOAT KEY, FL 34228  
**DOCK REPAIR**

**PROJECT #**  
---  
**DATE:**  
2025.02.09

**BY:**  
JK  
**SHEET #**  
2 of 4

## CONCRETE DOCK STRUCTURAL NOTES

1. PRIOR TO FORMING AND PLACING CONCRETE FOR REPAIRING THE EXISTING DOCK, ALL LOOSE PIECES OF THE EXISTING CONCRETE COMPONENTS, BROKEN PIECES, ETC. SHALL BE REMOVED. ONLY SOLID INTEGRAL SECTIONS OF THE EXISTING DOCK SHALL REMAIN WITHIN THE FORMS.
2. THE CONCRETE FOR THE ENCASEMENT SHALL BE PROPORTIONED TO ACHIEVE 5000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS REQUIRED PER FBC PARAGRAPH 1904.5. MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 301, ACI 318, ACI 347 AND CRSI "MANUAL OF STANDARD PRACTICES".
3. REINFORCING STEEL SHALL BE ASTM GRADE 40 MINIMUM, AND SHALL BE FREE OF RUST, DIRT AND OIL AND PLACED IN ACCORDANCE WITH ITEM 2 ABOVE. CONTINUOUS STEEL BARS SHALL BE LAPPED A MINIMUM OF 40 DIAMETERS.
4. <RESERVED>
5. ALL REINFORCING STEEL SHALL HAVE A MINIMUM 3 INCHES OF CONCRETE COVER.
6. <RESERVED>
7. THE TOP SURFACE OF THE CONCRETE ENCASEMENT SHALL HAVE A WOOD TROWEL FINISH.
8. THE REMAINING WORK AREA SHALL HAVE A WOOD TROWEL FINISH.
9. THIS SEAWALL REPAIR MEETS THE MINIMUM REQUIREMENTS OF THE 8TH EDITION OF THE FLORIDA BUILDING CODE 2023.

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 2630 HARBOURSIDE DR,  
 LONGBOAT KEY, FL 34228  
 DOCK REPAIR

PROJECT #  
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BY:  
 JK

DATE:  
 2025.02.09

SHEET #  
 3 OF 4

GENERAL NOTES

IN LIEU OF SPECIFIC CODE REQUIREMENTS, COMMERCIAL DOCK HAS BEEN DESIGN FOR THE FOLLOWING MINIMUM CONDITIONS:

LIVE LOAD            100 PSF  
DEAD LOAD            25 PSF  
HURRICANE UPLIFT   30 PSF  
DEFLECTION LIMITS   SPAN/360 FOR LIVE LOADING

ALL DECK AND CONSTRUCTION SCREWS SHALL BE NON-MAGNETIC STAINLESS STEEL.

BOLTS, NUTS, WASHERS AND LAG SCREWS SHALL BE NON-MAGNETIC STAINLESS STEEL

CONSTRUCTION PROCEDURES:

PLAN FOR ACCESSORIES AND PROVIDE SUBSTRUCTURE SUPPORT WITHIN THE DOCK FRAMING.

ALIGN AND SECURE ALL JOISTS AND HEADER JOINTS

THIS DOCK REPAIR MEETS THE MINIMUM REQUIREMENTS OF THE EIGHTH EDITION OF THE 2023 FLORIDA BUILDING CODE.

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4 of 4

