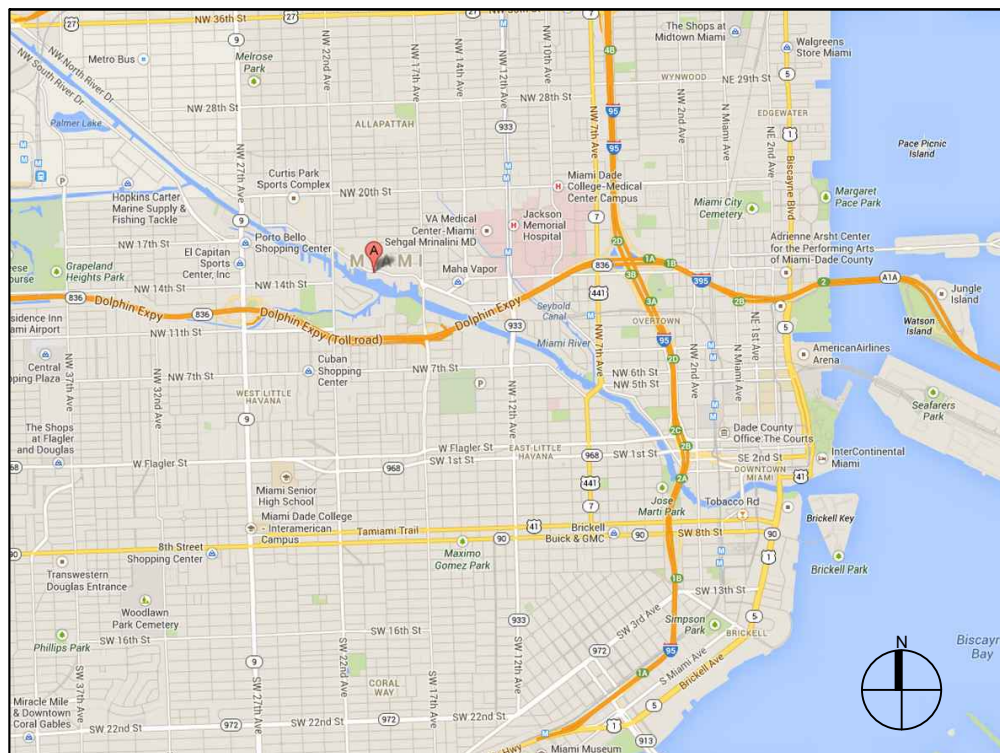


## LOCATION MAP AND LEGAL DESCRIPTION



**PROJECT SITE LOCATION:**  
1884 NW NORTH RIVER DRIVE  
Miami, FL 33125

**LATITUDE:** 25°46'20.62"N  
**LONGITUDE:** 80°12'2.17"W

**FOLIO No.:** 01-3134-024-1170  
01-3134-024-1180

**PROJECT SITE LEGAL DESCRIPTION:**

RIVERSEDGE PB 23-78

LOTS 9 TO 15 INC BLK 8

LOT SIZE IRREGULAR

COC 24114-2646 01 2006 1

### GENERAL NOTES:

- 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. CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS IN CONNECTION WITH THEIR 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, 2020 EDITION (AND CURRENT ADDENDUMS).
- APPROVED CONTRACTOR TO DETERMINE THE SUITABILITY OF EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS. THE APPROVED CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCES AND PROCEDURES OF WORK.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS.
- CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK.
- CONTRACTOR TO PROPERLY FENCE AND SECURE AREA WITH BARRICADES.
- ANY DEVIATION AND/OR SUBSTITUTION FROM THE INFORMATION PROVIDED HEREIN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- ALL NEW MATERIALS AND/OR PATCHWORK SHALL BE PROVIDED TO MATCH EXISTING MATERIALS AND/OR ADJOINING WORK WHERE PRACTICAL EXCEPT AS SPECIFICALLY NOTED HEREIN.
- LICENSED CONTRACTOR SHALL USE ALL POSSIBLE CARE TO PROTECT ALL EXISTING MATERIALS, SURFACES, AND FURNISHINGS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
- THE LICENSED CONTRACTOR TO INSTALL AND REMOVE ALL SHORING AND BRACING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
- ALL NEW WORK AND/OR MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF EACH ADMINISTRATIVE BODY HAVING JURISDICTION IN EACH PERTAINING CIRCUMSTANCE.

### BOLTS

- ALL BOLTS SHALL BE HOT-DIPPED GALVANIZED, UNLESS OTHERWISE NOTED.

### CONCRETE

- CONCRETE SHALL CONFORM TO ACI 318 (LATEST ED.) AND SHALL BE REGULAR WEIGHT, SULFATE RESISTANT, WITH A DESIGN STRENGTH OF 5,000 PSI AT 28 DAYS W/ A MAX WATER-CEMENTIOUS MATERIALS RATIO, BY WEIGHT, NORMAL WEIGHT AGGREGATE CONCRETE OF 0.40.
- OWNER SHALL EMPLOY AND PAY FOR TESTING SERVICES FROM AN INDEPENDENT TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE W/ ASTM.
- LICENSED CONTRACTOR IS RESPONSIBLE FOR THE ADEQUACY OF FORMS AND SHORING AND FOR SAFE PRACTICE IN THEIR USE AND REMOVAL.
- CONCRETE COVER SHALL BE 3" UNLESS OTHERWISE NOTED ON APPROVED DRAWINGS.
- REINFORCING STEEL SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF ASTM A615 GRADE 60 SPECIFICATIONS. ALL REINFORCEMENT SHALL BE PLACED IN ACCORDANCE W/ ACI 315 AND ACI MANUAL OF STANDARD PRACTICE.
- SPLICES IN REINFORCING BARS SHALL NOT BE LESS THAN 48 BAR DIAMETERS AN REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS AND CHANGES IN DIRECTION. CONTINUITY SHALL BE PROVIDED AT CORNERS OR CHANGES IN DIRECTION BY BENDING THE LONGITUDINAL STEEL AROUND THE CORNER 48 BAR DIAMETERS.

### PILE DRIVING NOTES

- PILE DRIVING OPERATIONS SHALL BE OBSERVED BY A SPECIAL INSPECTOR, INCLUDING TEST PILES SUFFICIENT TO DETERMINE THE APPROXIMATE LENGTH REQUIRED TO MEET DESIGN CAPACITY.
- PILES SHALL BE DRIVEN USING AN APPROVED CUSHION BLOCK CONSISTING OF MATERIAL SO ARRANGED SO AS TO PROVIDE THE TRANSMISSION OF THE HAMMER ENERGY.
- PILES SHALL BE DRIVEN TO REQUIRED CAPACITY A MIN 12. INTO BERM.
- PILES SHALL BE DRIVEN WITH A DROP HAMMER OR GRAVITY HAMMER PROVIDED THE HAMMER SHALL WEIGH NO LESS THAN 3,000 POUNDS, AND THE FALL OF THE HAMMER SHALL NOT EXCEED 6 FT.
- PILES SHALL BE DRIVEN WITH A VARIATION OF NOT MORE THAN 1/4" PER FOOT FROM THE VERTICAL, OR FROM THE BATTER LINE INDICATED, WITH A MAX VARIATION OF THE HEAD OF THE PILE FROM THE POSITION SHOWN ON THE PLANS OF NOT MORE THAN 3".
- WHERE PILING MUST PENETRATE STRATA OFFERING HIGH RESISTANCE TO DRIVING, THE STRUCTURAL ENGINEER OF RECORD OR SPECIAL INSPECTOR MAY REQUIRE THAT PILES BE SET IN PRE-DRILLED OR PUNCHED HOLES. THE PILES SHALL REACH THEIR FINAL PENETRATION BY DRIVING.

## HURRICANE COVE MARINA DOCKING FACILITY

Miami, Florida

CLIENT:

**MR. TERYL ZERBY  
HC INVESTORS #1, LLC**

1884 NW NORTH RIVER DRIVE  
MIAMI, FLORIDA 33125

ENVIRONMENTAL CONSULTANT:

**OCEAN  
CONSULTING, LLC**

340 Minorca Avenue, Suite 7  
Coral Gables, Florida 33134  
Tel: (305) 921-9344  
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

### PERMIT DRAWINGS

**Issue # Issue Date**

① September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

**PROJECT LOCATION &  
NOTES**

SCALE : AS SHOWN  
SHEET NO.

**S-1**

**HURRICANE COVE  
MARINA DOCKING  
FACILITY**  
Miami, Florida

CLIENT:  
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**PERMIT DRAWINGS**

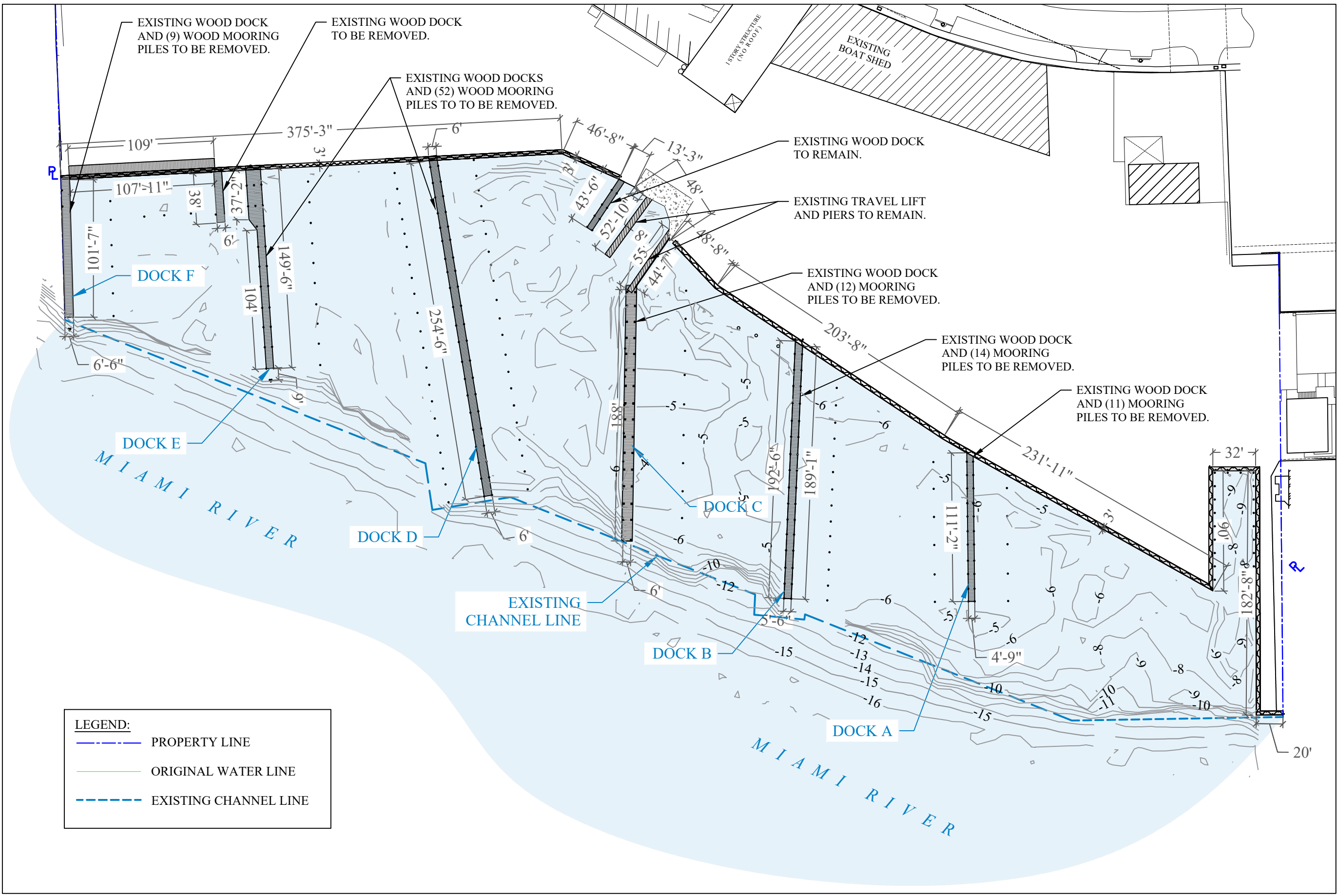
Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

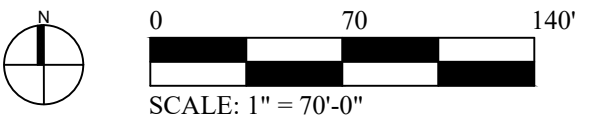
**EXISTING CONDITIONS**

SCALE : AS SHOWN  
SHEET NO.

**S-2**



**LEGEND:**  
 - - - - - PROPERTY LINE  
 ——— ORIGINAL WATER LINE  
 - - - - - EXISTING CHANNEL LINE



**HURRICANE COVE MARINA DOCKING FACILITY**  
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**PERMIT DRAWINGS**

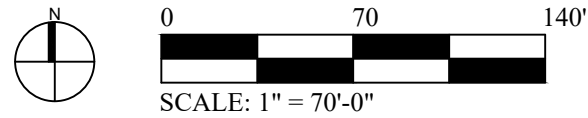
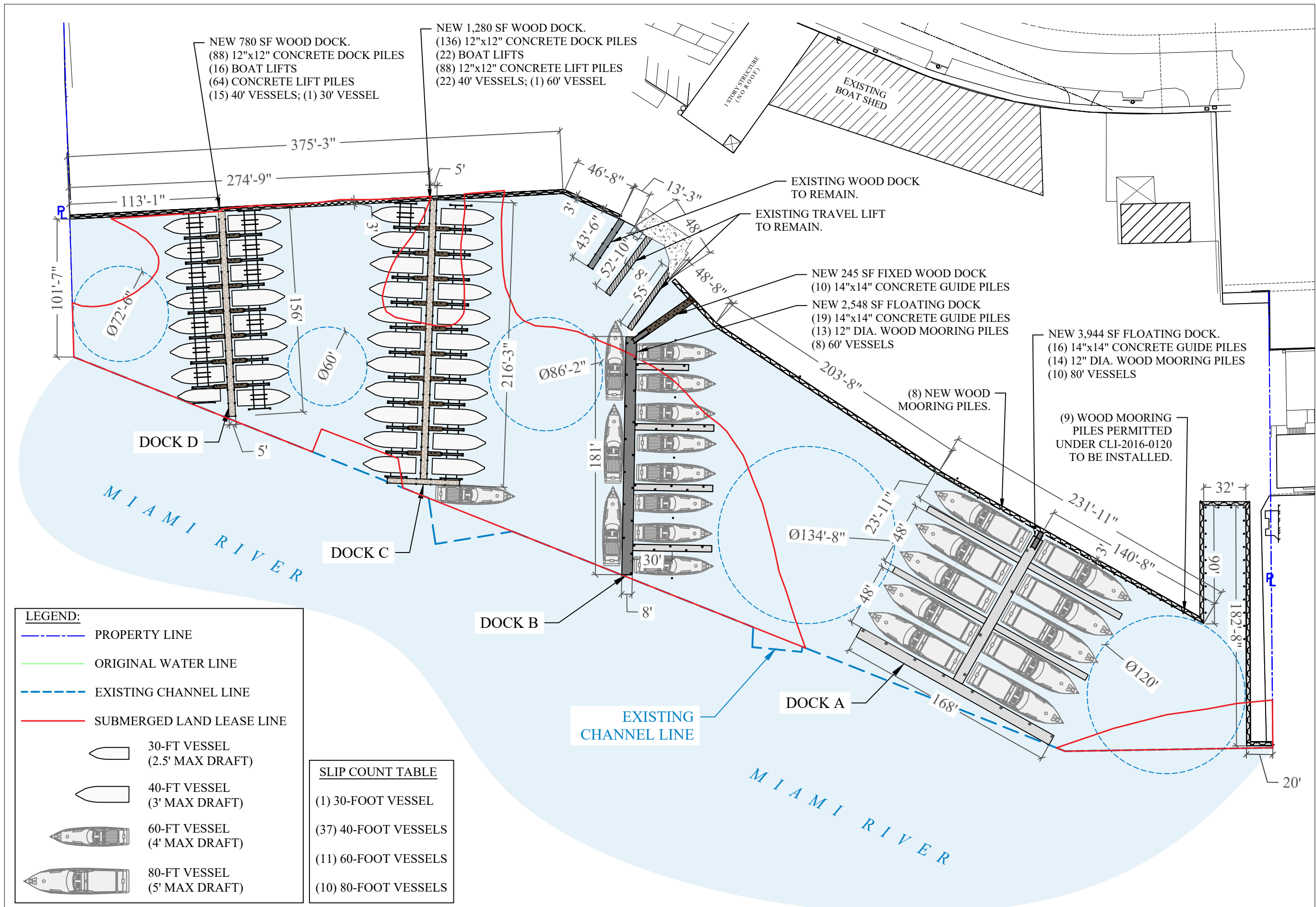
Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

**PROPOSED CONDITIONS**

SCALE : AS SHOWN  
SHEET NO.

**S-3**



**HURRICANE COVE MARINA DOCKING FACILITY**  
Miami, Florida

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CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

**PERMIT DRAWINGS**

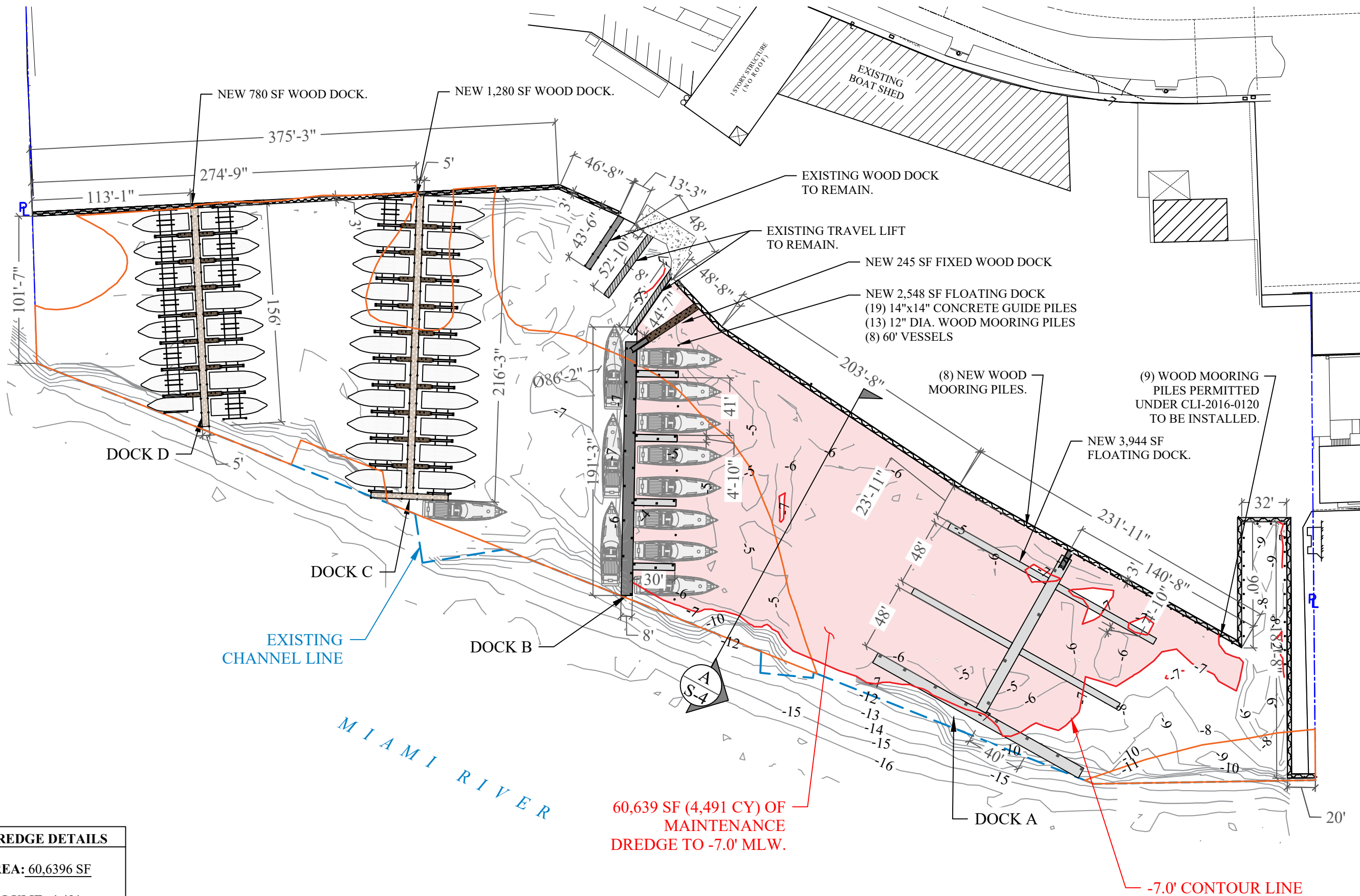
Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

**PROPOSED DREDGE PLAN**

SCALE : AS SHOWN  
SHEET NO.

**S-3.1**

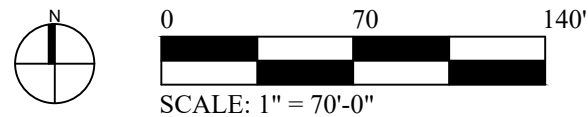


**DREDGE DETAILS**

AREA: 60,6396 SF

VOLUME: 4,491

DEPTH: -7.0' NGVD



**HURRICANE COVE  
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**PERMIT DRAWINGS**

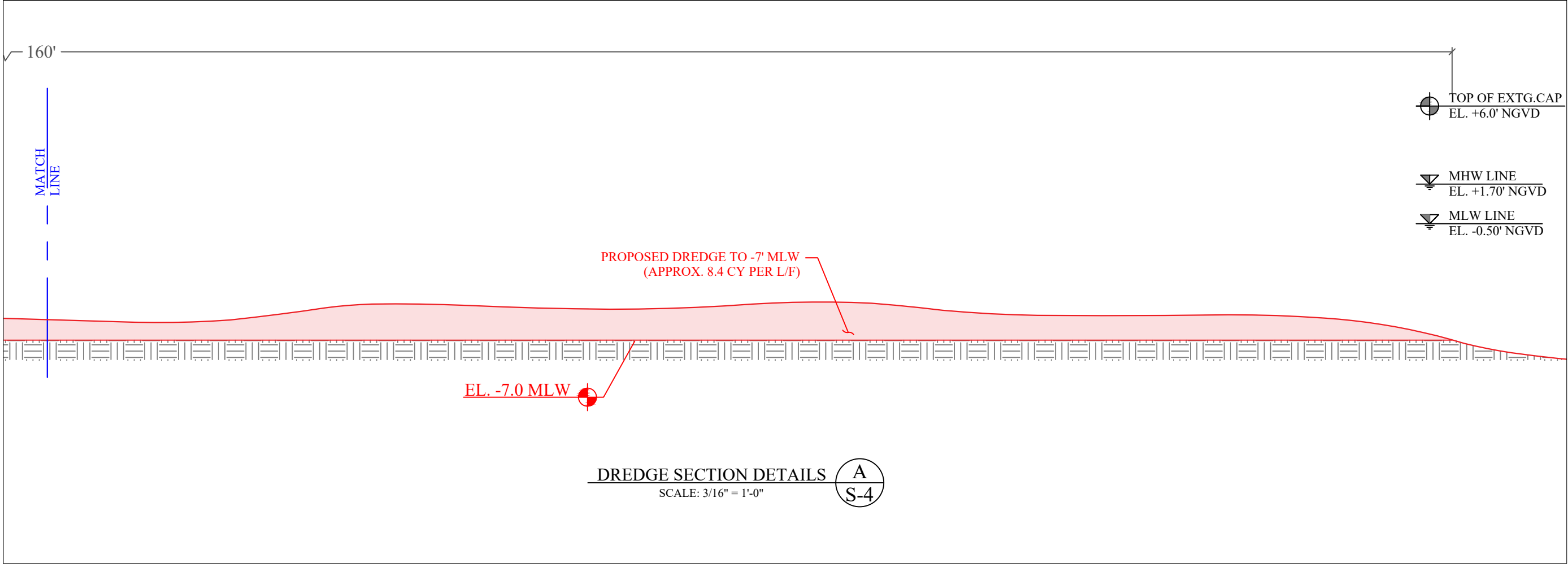
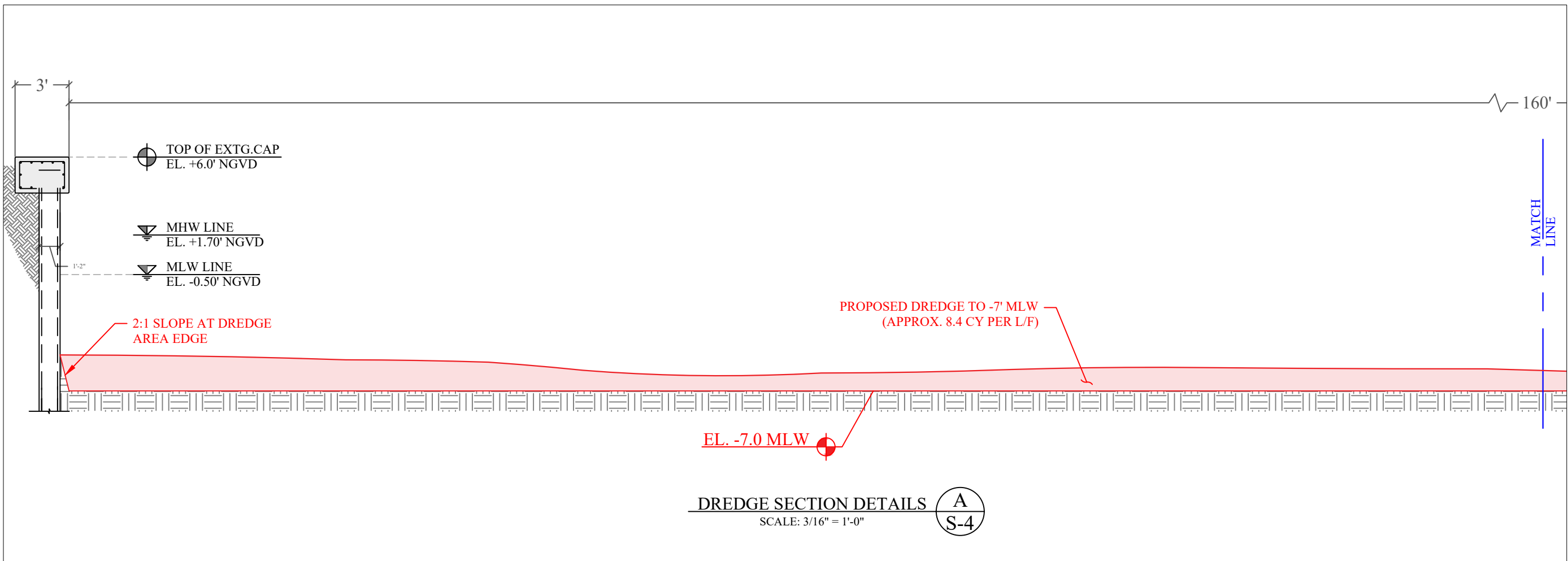
Issue #	Issue Date
①	September 27, 2021

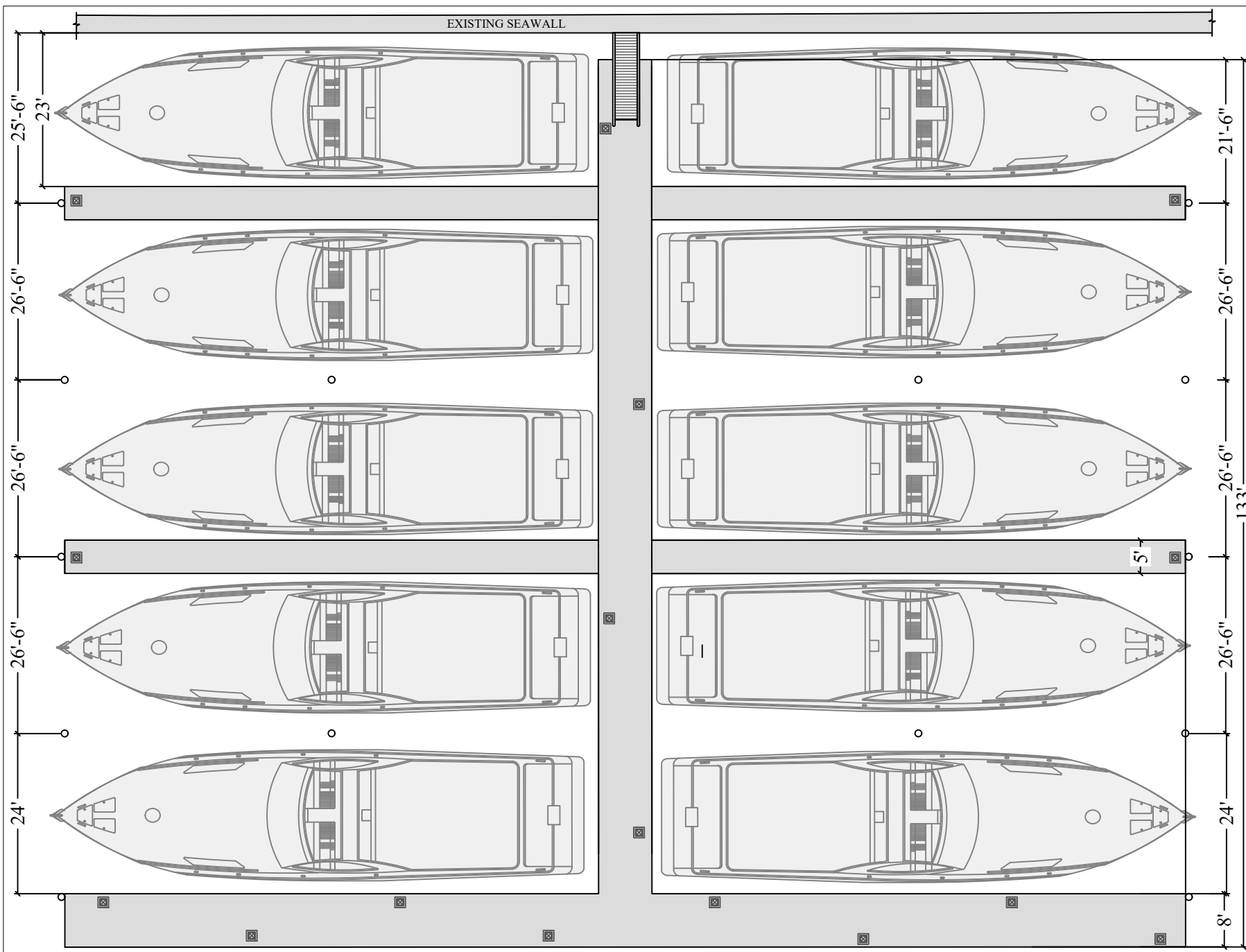
PROJECT: 14-4125 CLI-2020-0463

**PROPOSED DREDGE  
SECTION**

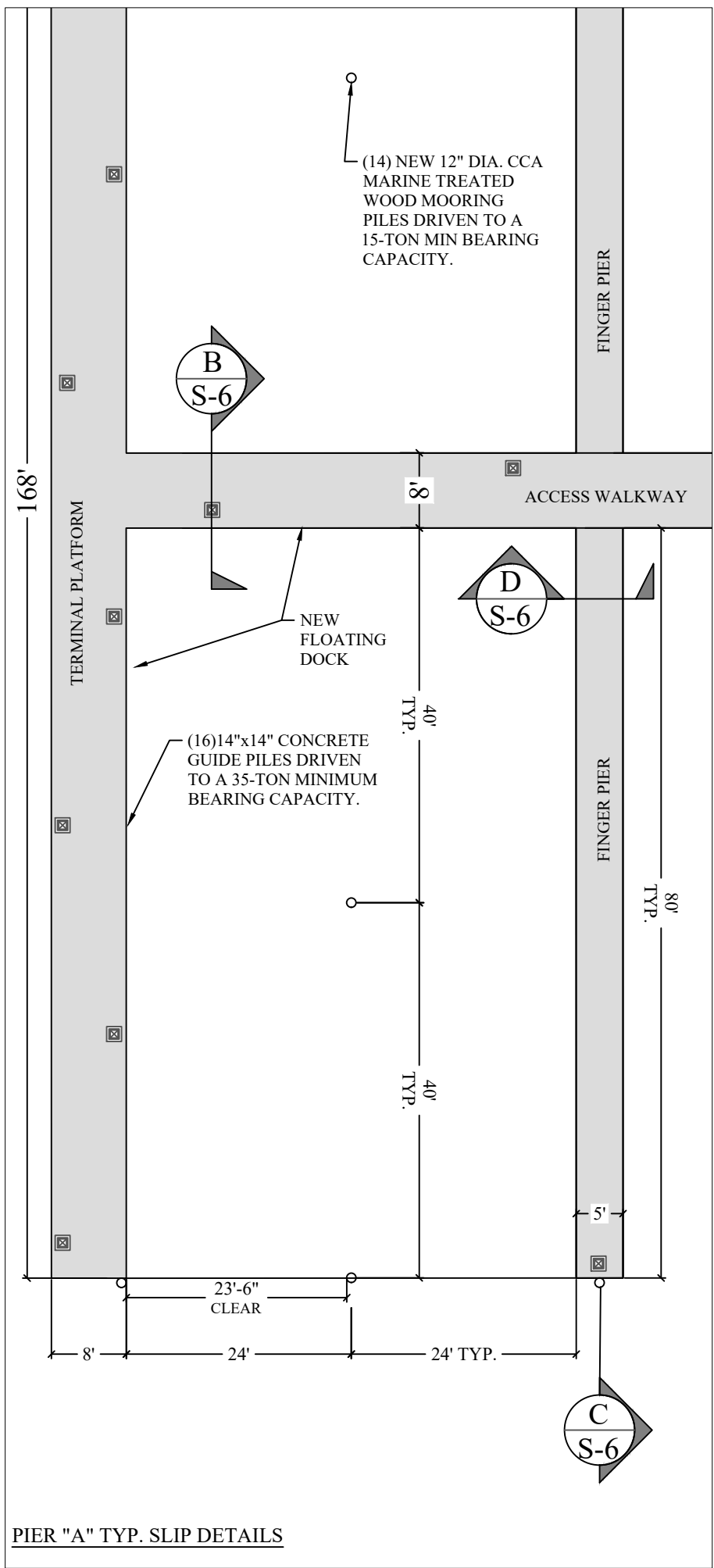
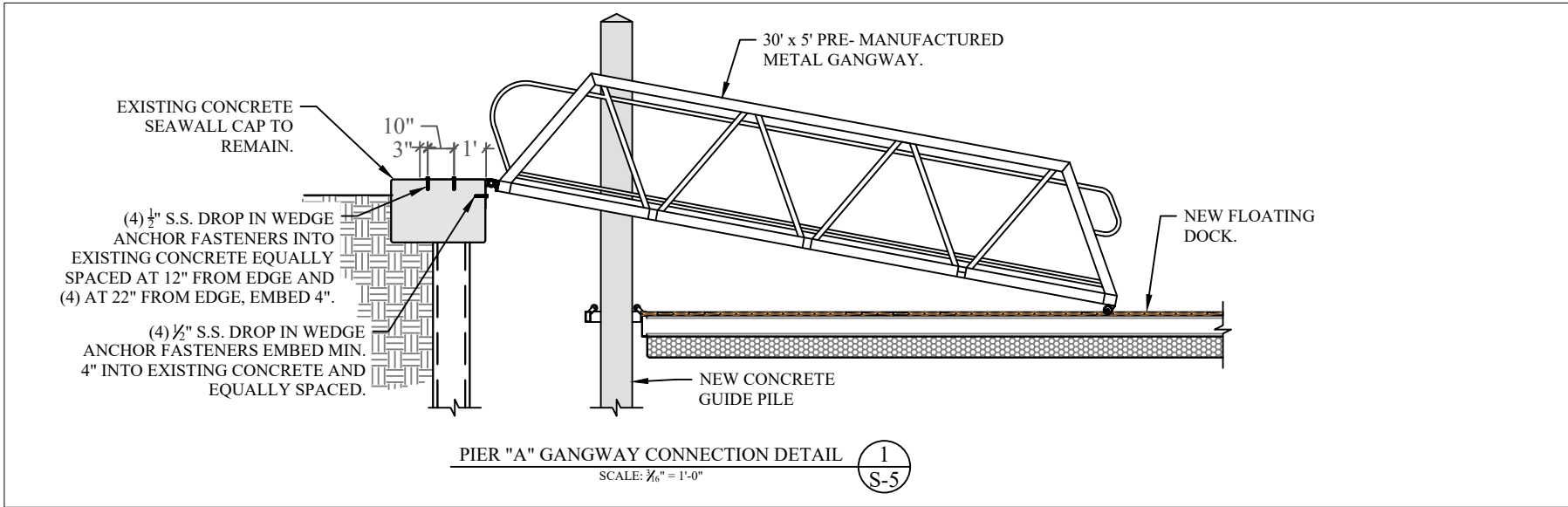
SCALE : AS SHOWN  
SHEET NO.

**S-4**





PIER "A" DOCK PLAN



PIER "A" TYP. SLIP DETAILS

**HURRICANE COVE MARINA DOCKING FACILITY**

Miami, Florida

CLIENT:  
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 1884 NW NORTH RIVER DRIVE  
 MIAMI, FLORIDA 33125

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CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

**PERMIT DRAWINGS**

Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

PROPOSED CONDITIONS:  
 PIER "A" & TYPICAL SLIP  
 DETAILS

SCALE : AS SHOWN  
 SHEET NO.

**S-5**

**HURRICANE COVE  
MARINA DOCKING  
FACILITY**

Miami, Florida

CLIENT:

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CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

**PERMIT DRAWINGS**

**Issue # Issue Date**

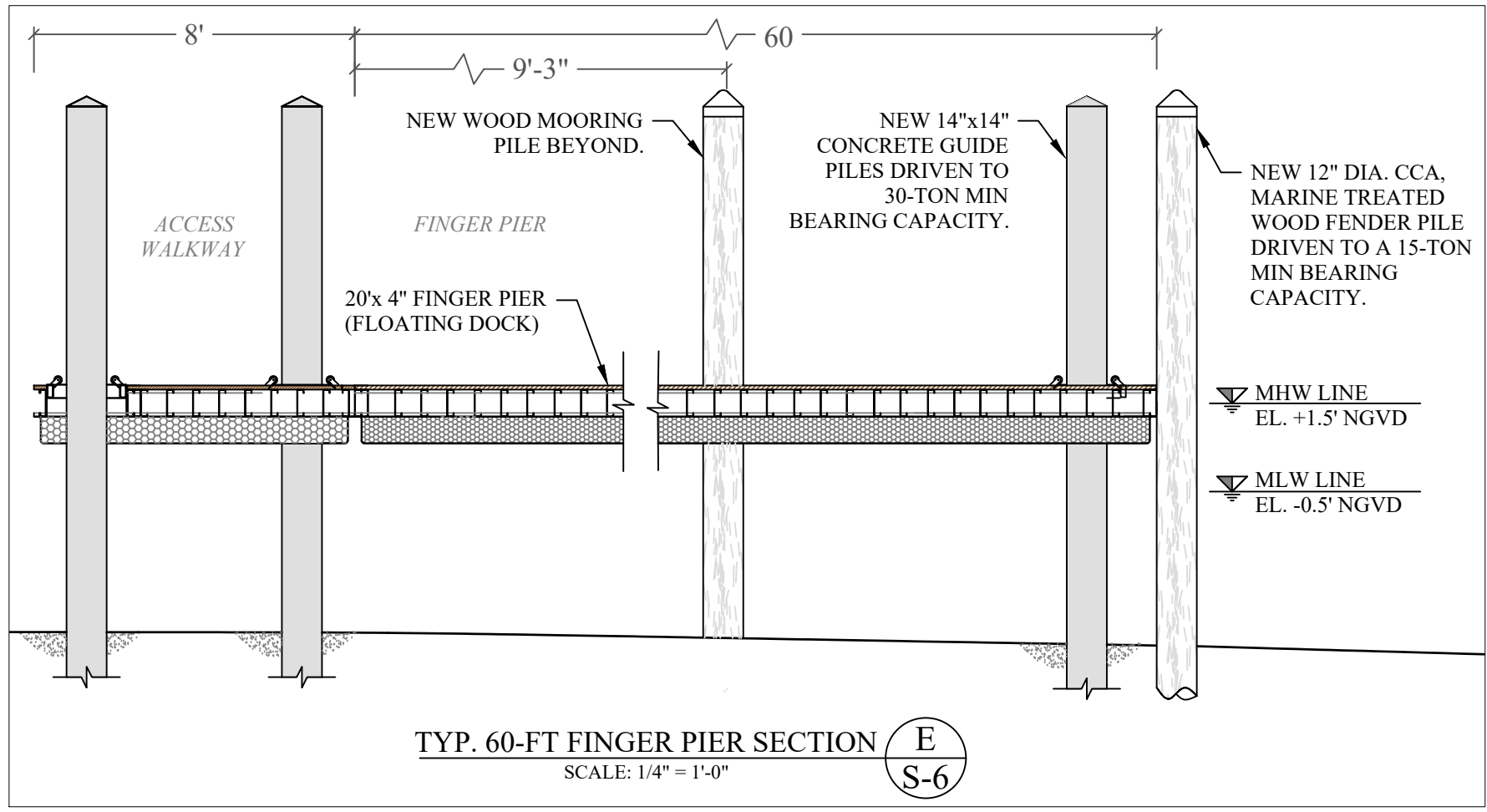
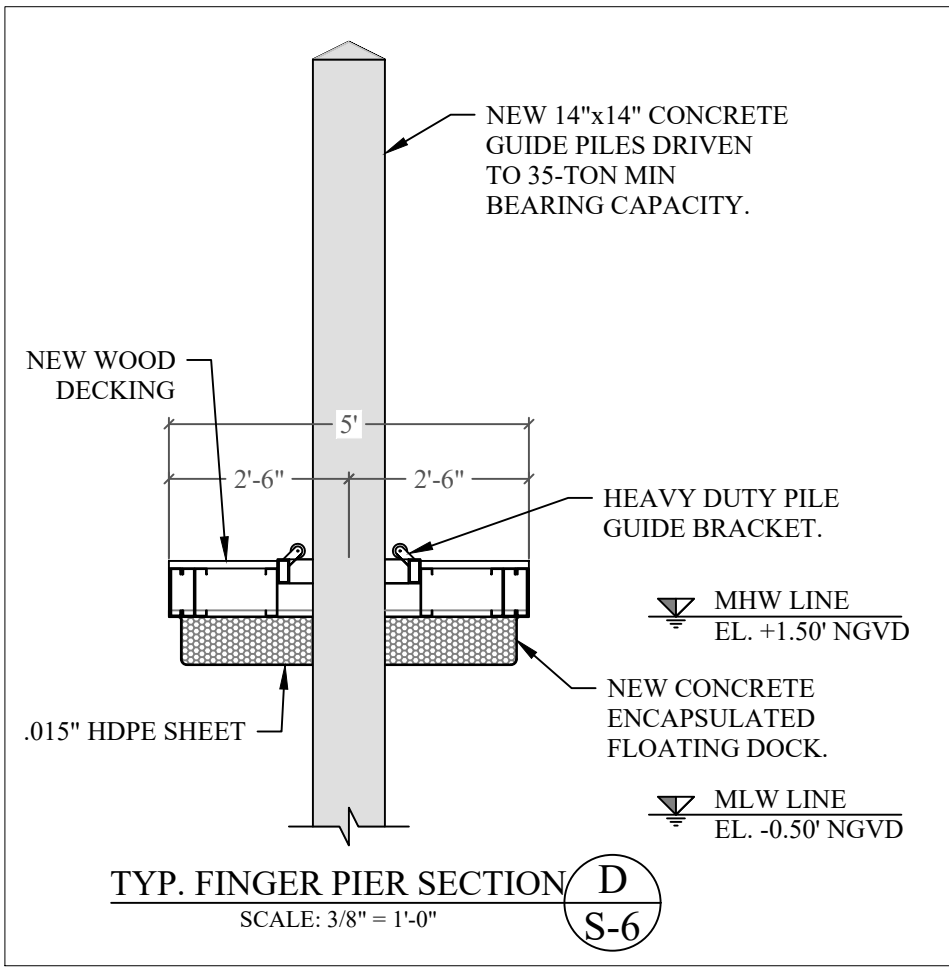
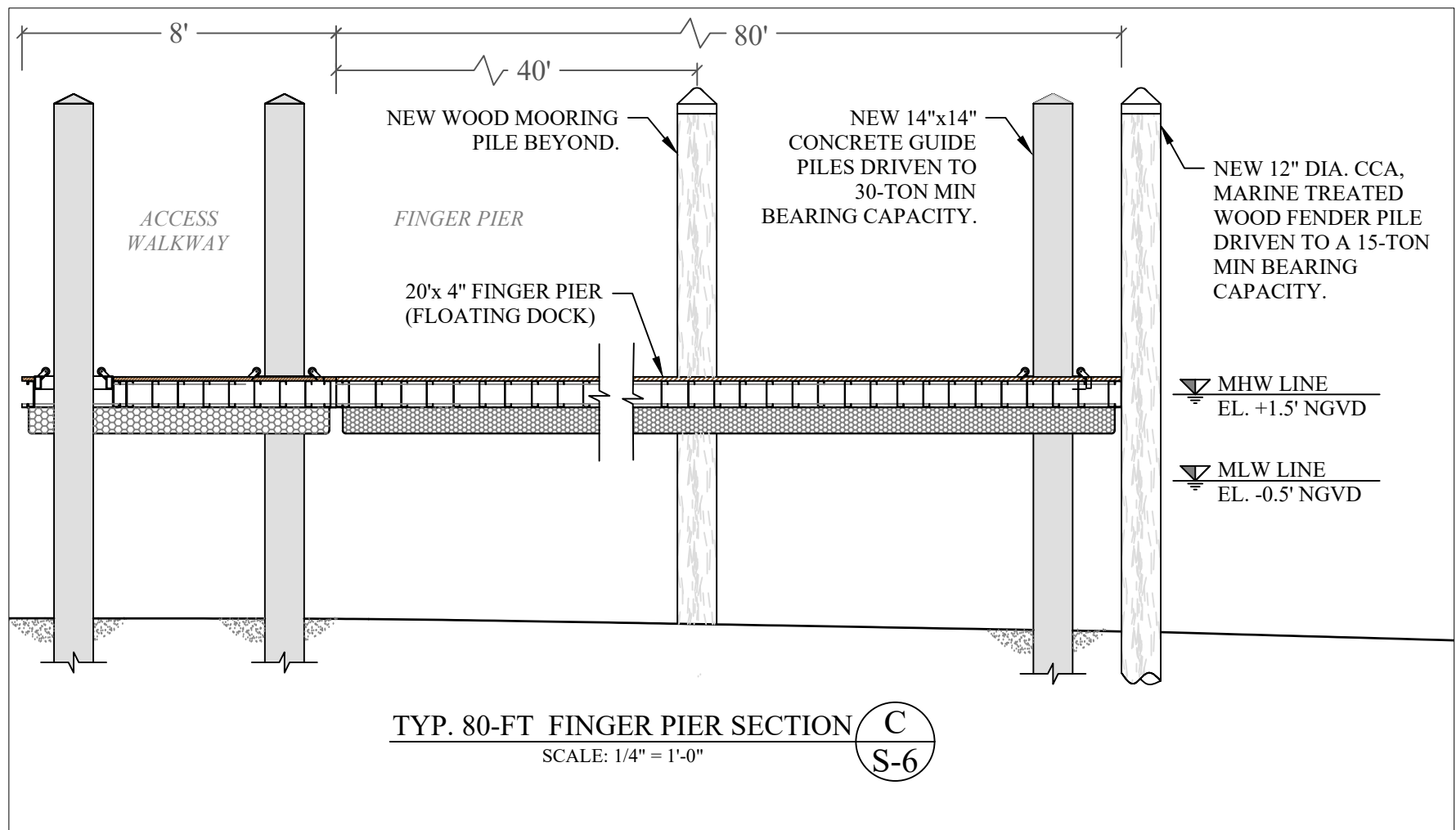
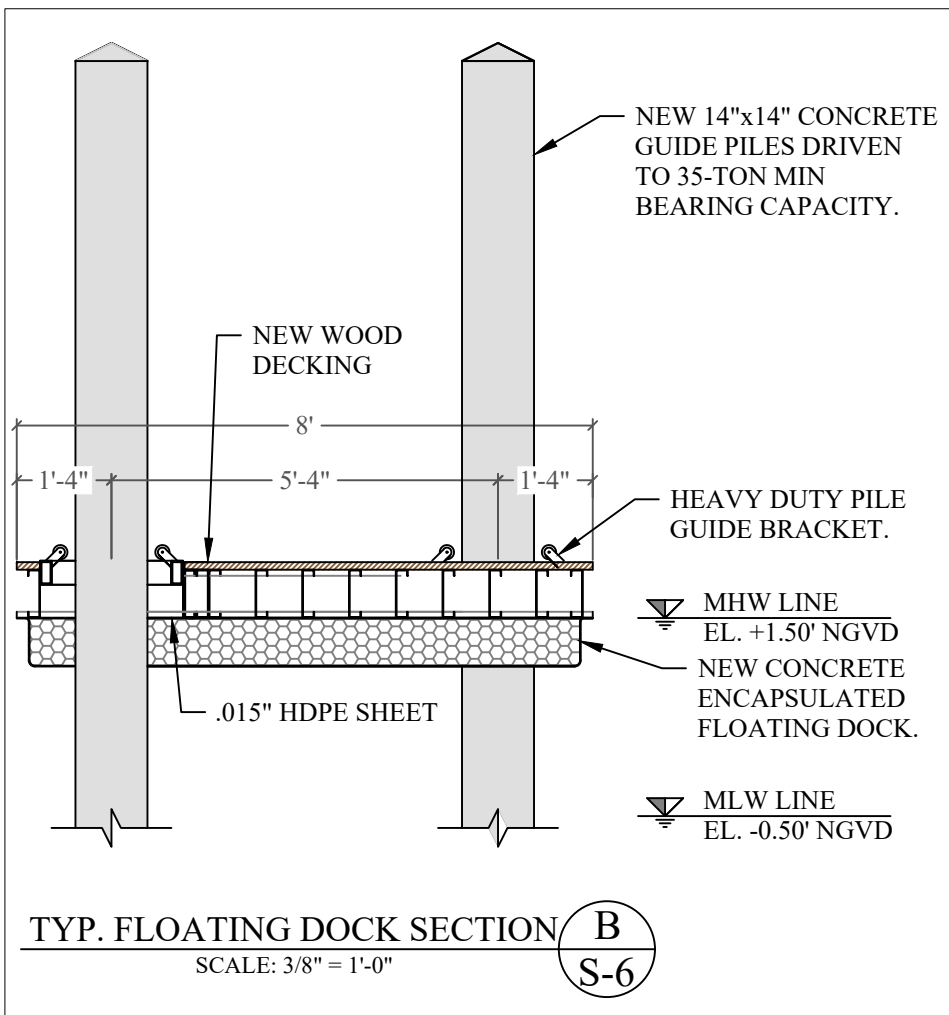
① September 27, 2021

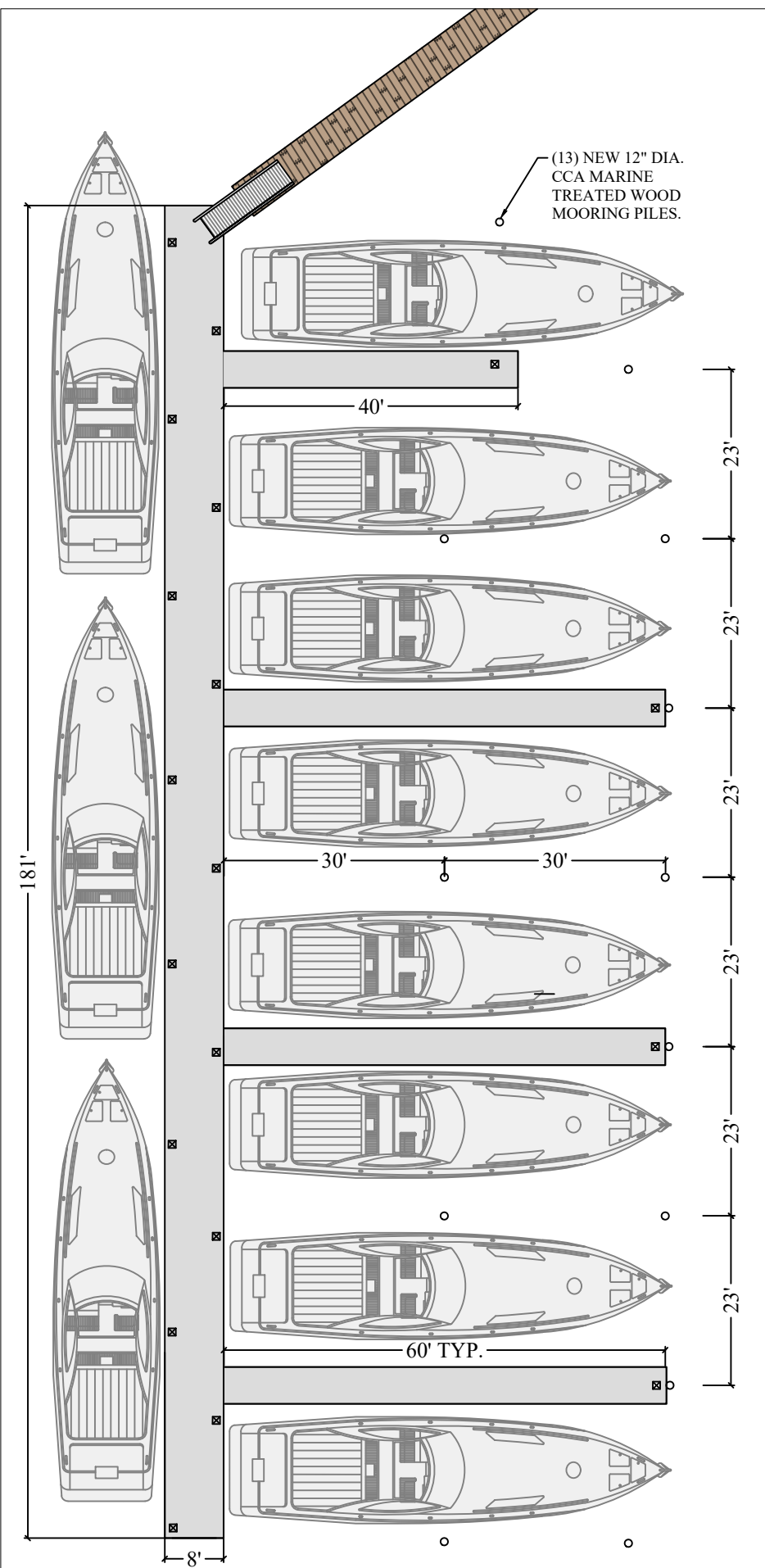
PROJECT: 14-4125 CLI-2020-0463

PROPOSED CONDITIONS:  
PIER "A" & TYPICAL SLIP  
DETAILS, AND CONCRETE  
PILE DETAIL  
SCALE : AS SHOWN

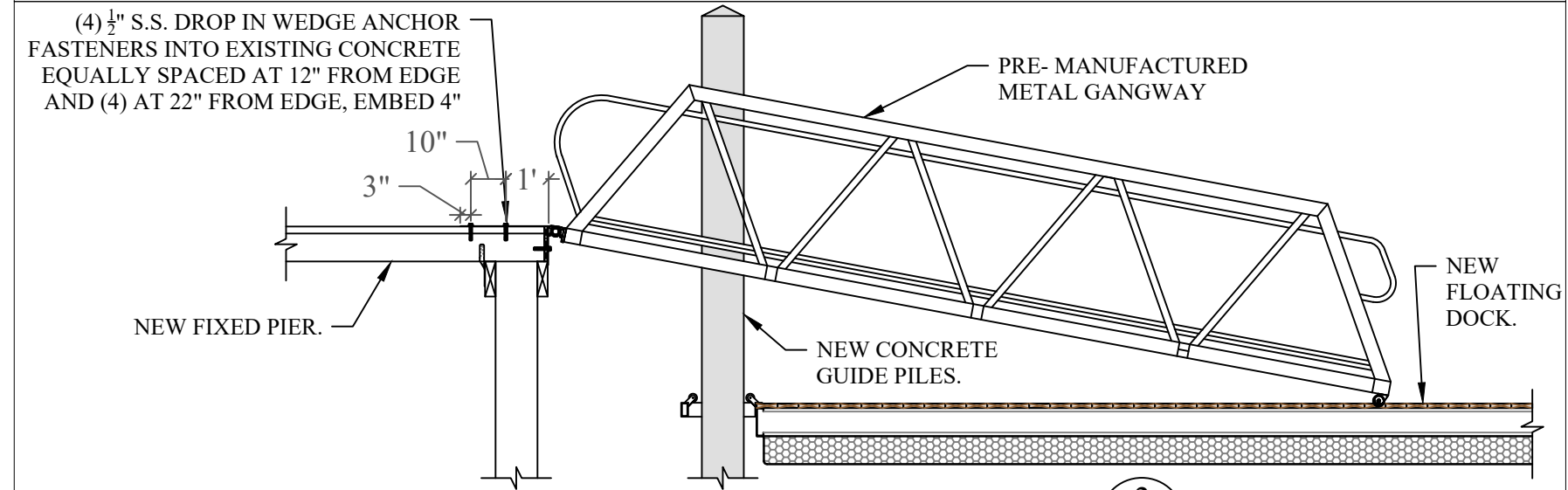
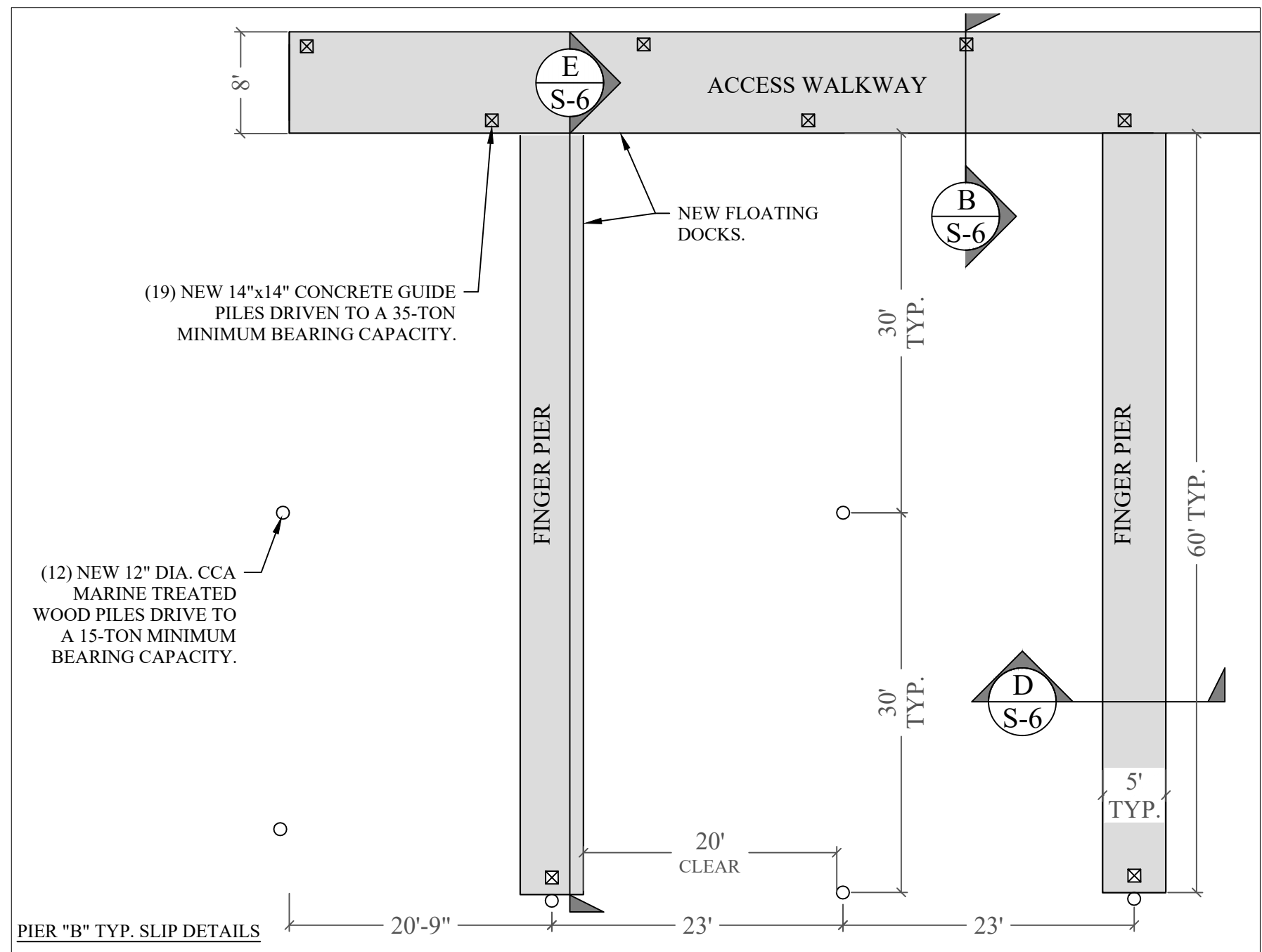
SHEET NO.

**S-6**





PIER "B" DOCK PLAN



PIER "B" GANGWAY CONNECTION DETAIL 3/S-6  
SCALE: 1/4" = 1'-0"

**HURRICANE COVE MARINA DOCKING FACILITY**  
Miami, Florida

CLIENT:  
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PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

**PERMIT DRAWINGS**

Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

**PROPOSED CONDITIONS**

SCALE : AS SHOWN  
SHEET NO.



# HURRICANE COVE MARINA DOCKING FACILITY

Miami, Florida

CLIENT:  
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**HC INVESTORS #1, LLC**  
 1884 NW NORTH RIVER DRIVE  
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CONTRACTOR:

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## PERMIT DRAWINGS

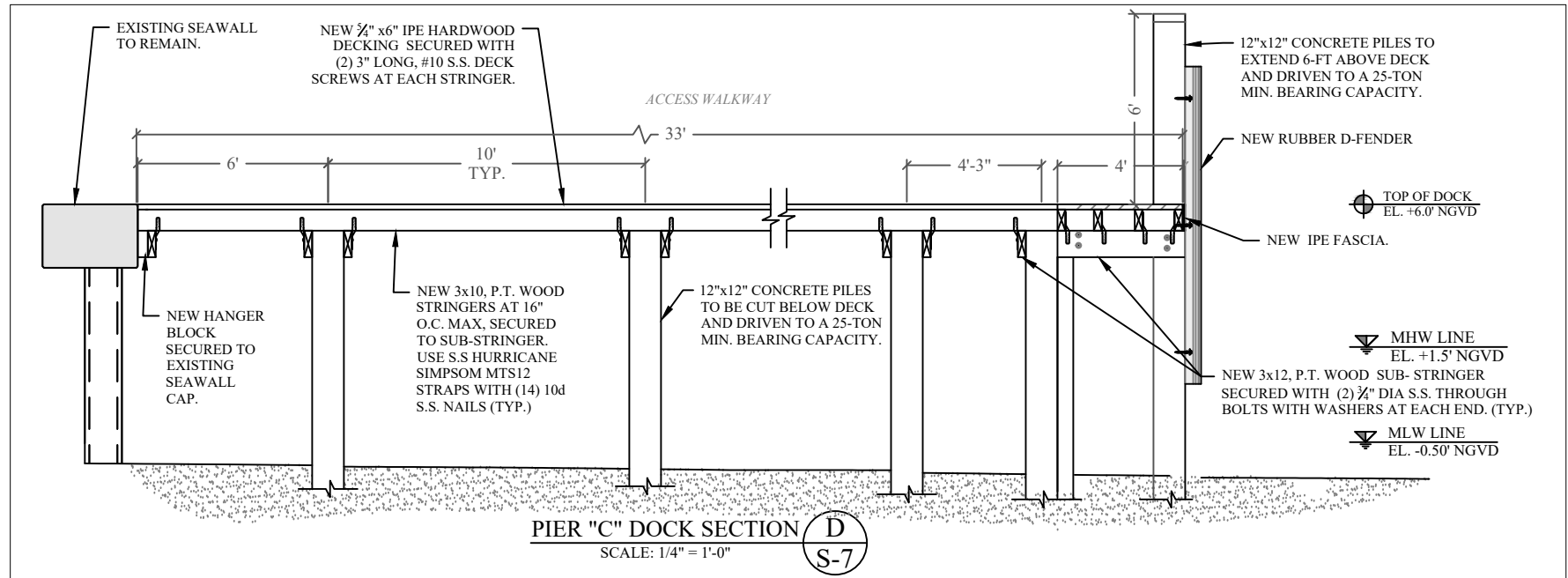
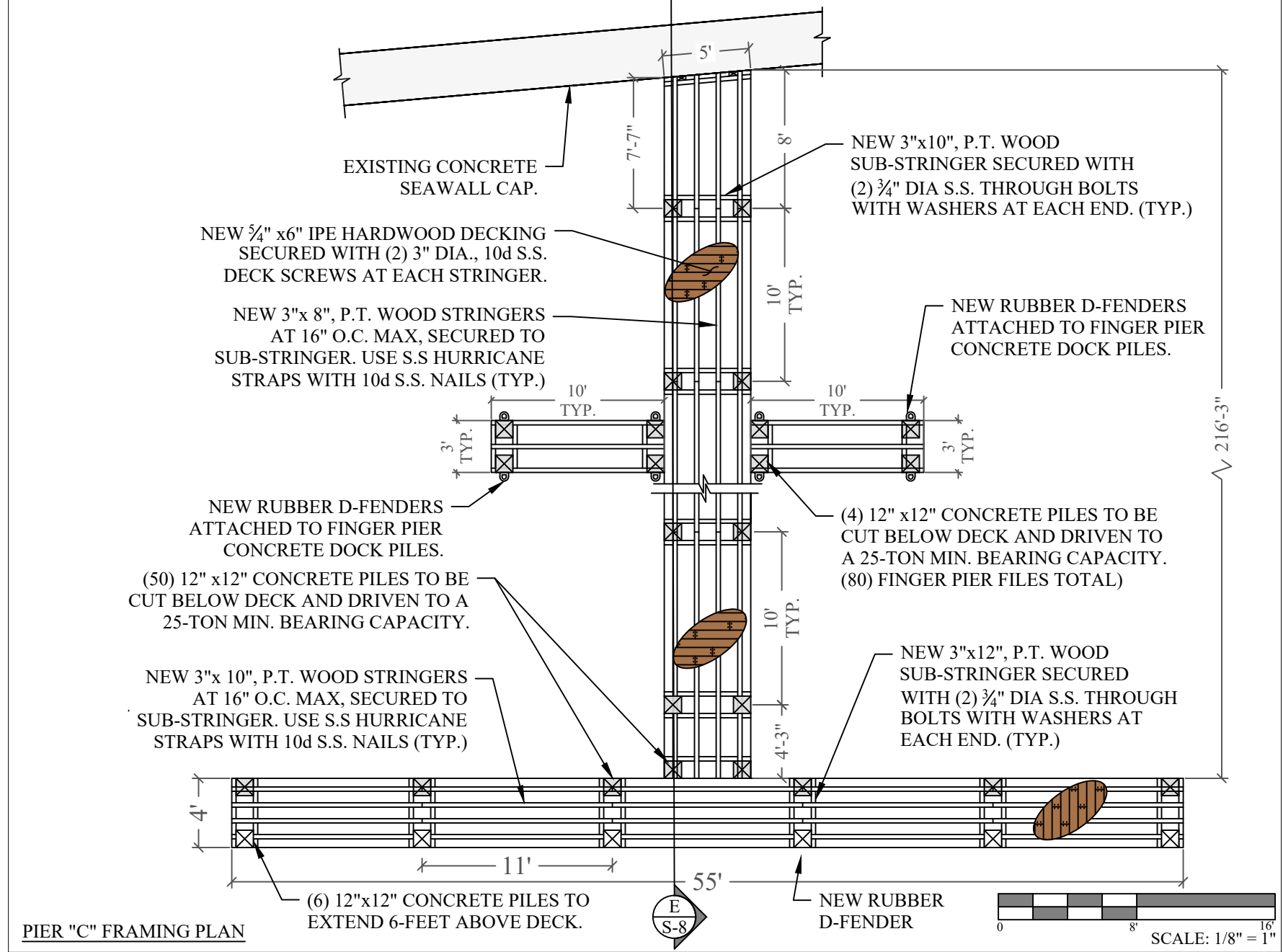
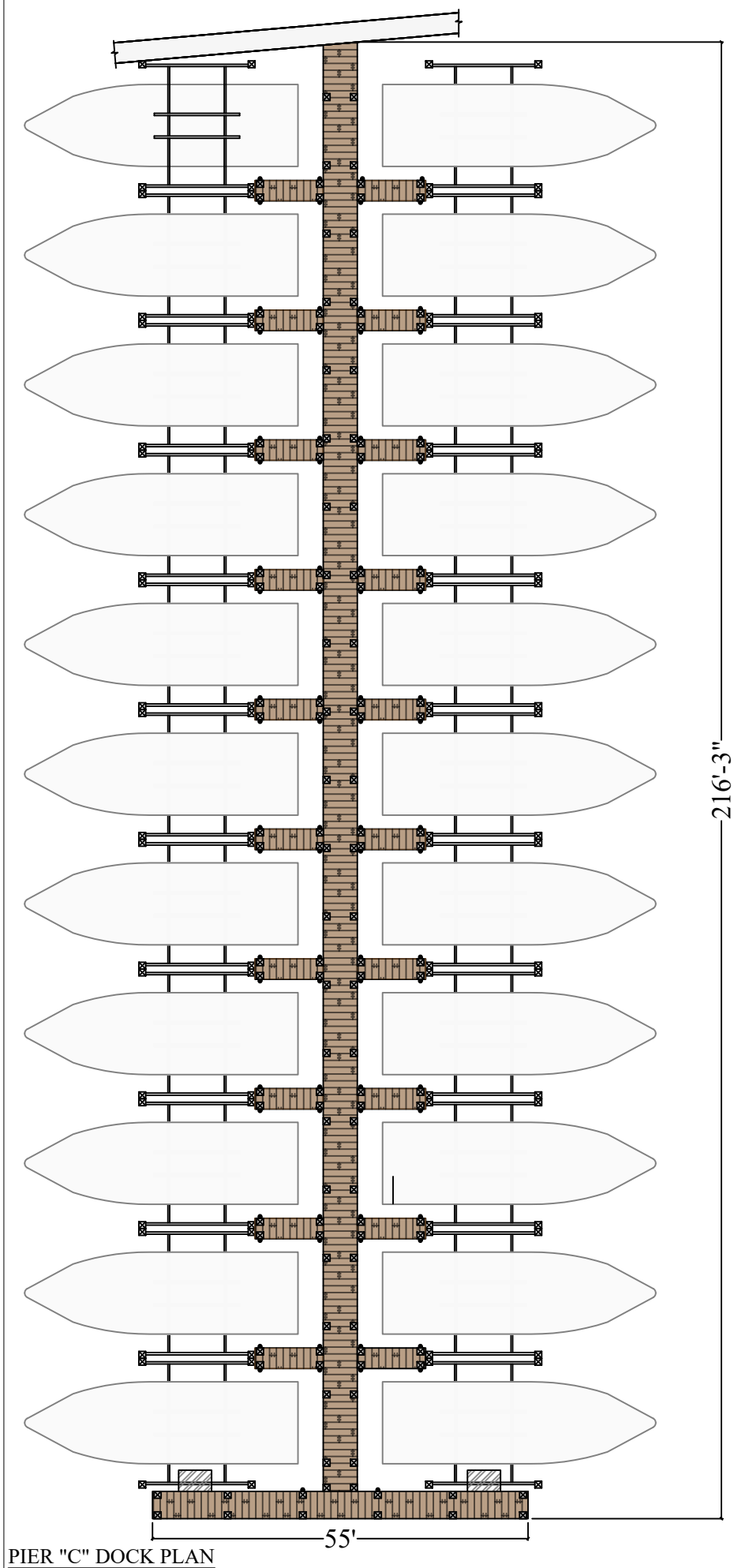
Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

## PROPOSED CONDITIONS

SCALE : AS SHOWN  
 SHEET NO.

# S-8



**HURRICANE COVE  
MARINA DOCKING  
FACILITY**  
Miami, Florida

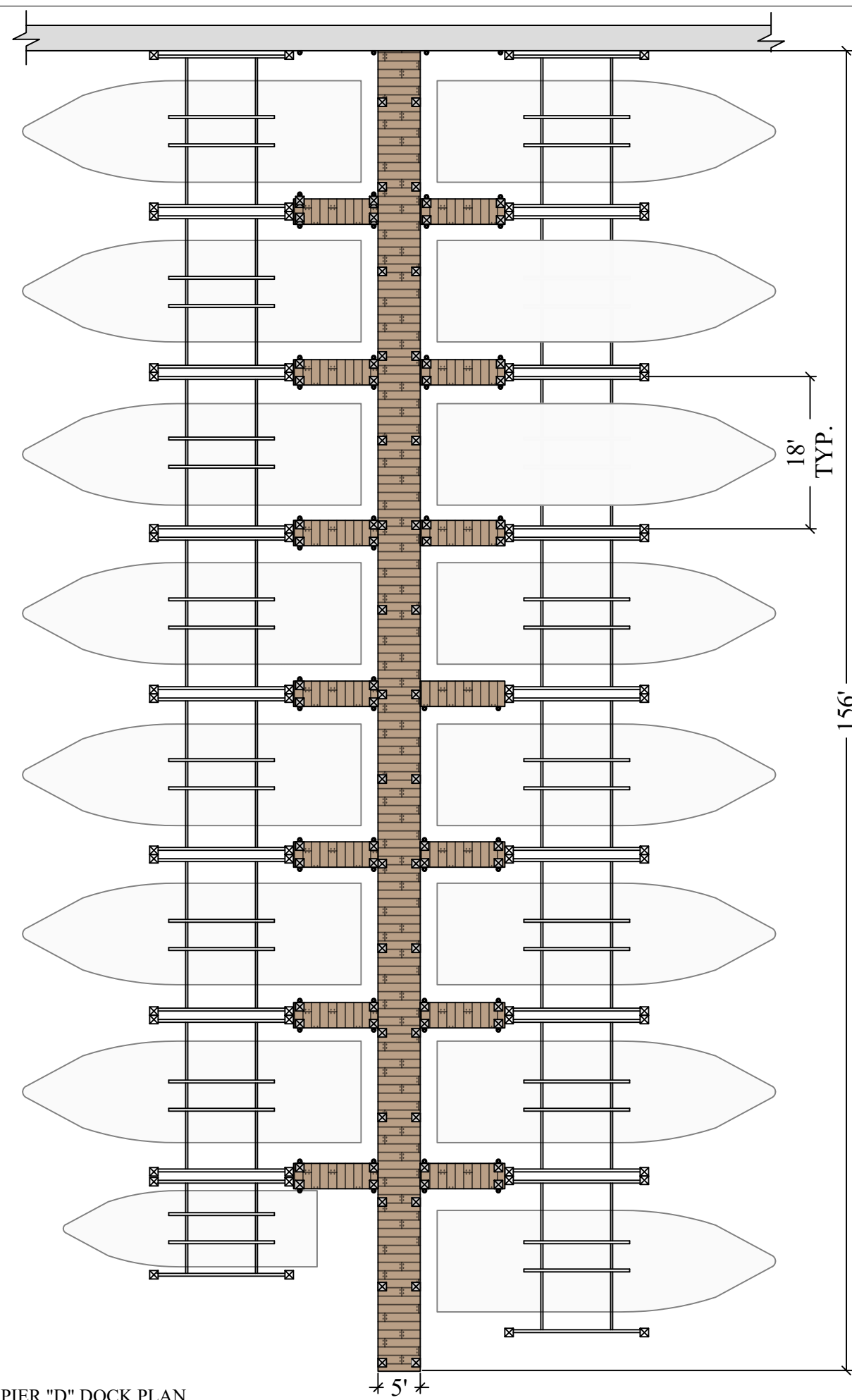
CLIENT:  
**MR. TERRYL ZERBY  
HC INVESTORS #1, LLC**  
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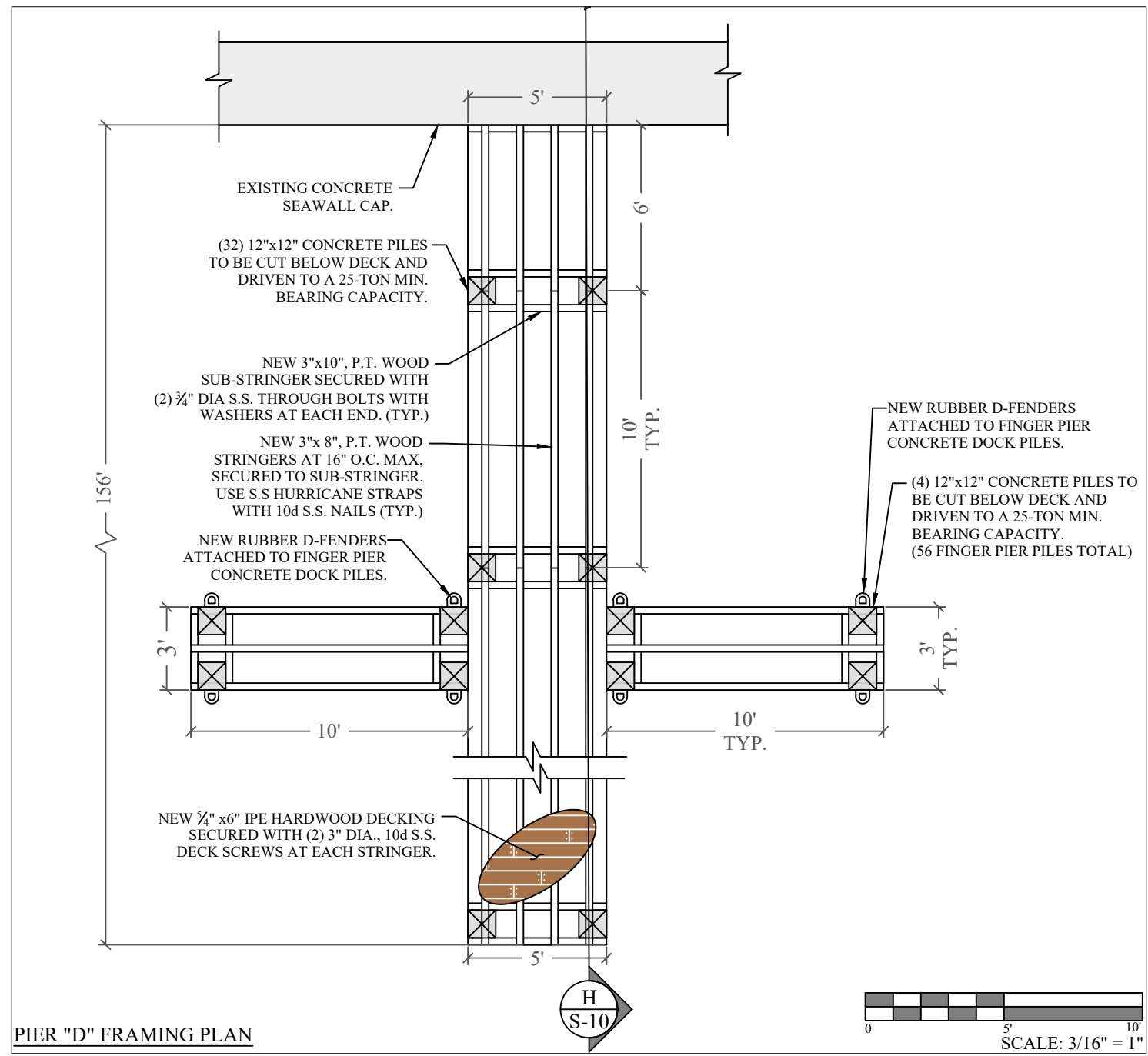
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PROJECT ENGINEER:

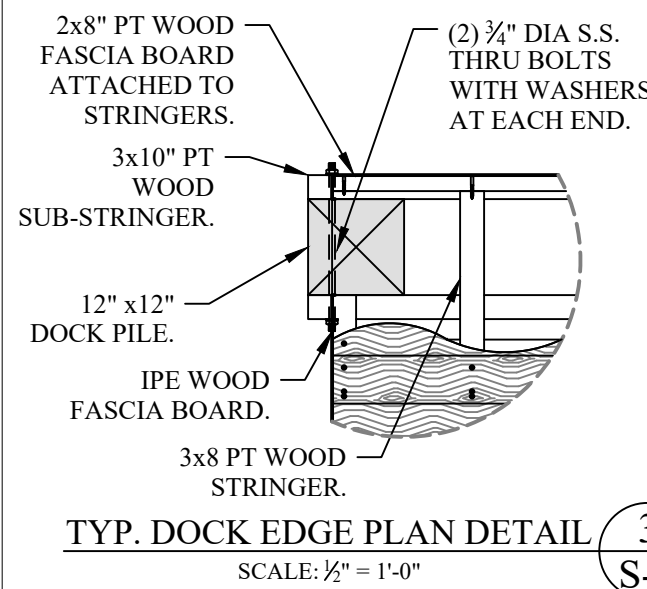
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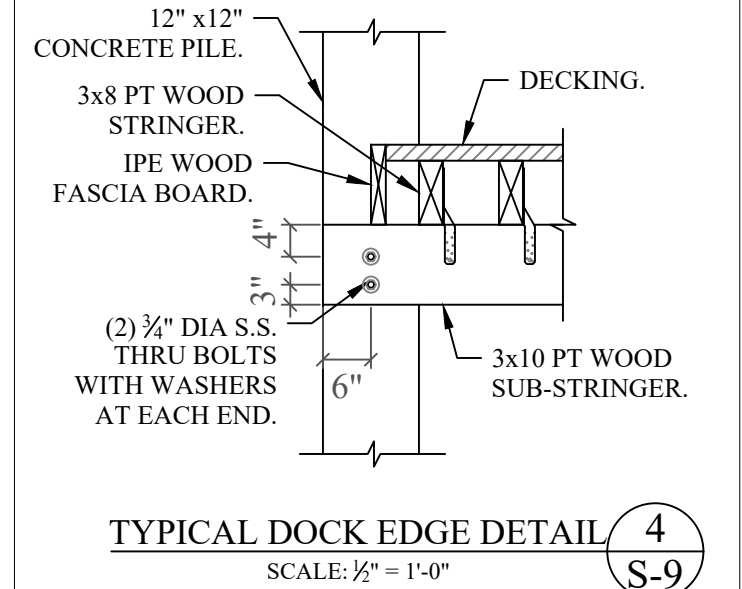
PIER "D" DOCK PLAN



PIER "D" FRAMING PLAN



TYP. DOCK EDGE PLAN DETAIL **3**  
SCALE: 1/2" = 1'-0" **S-9**



TYPICAL DOCK EDGE DETAIL **4**  
SCALE: 1/2" = 1'-0" **S-9**

**PERMIT DRAWINGS**

Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

**PROPOSED CONDITIONS  
PIER "D" & PILE DETAILS**

SCALE : AS SHOWN  
SHEET NO.

**S-9**

**HURRICANE COVE  
MARINA DOCKING  
FACILITY**

Miami, Florida

CLIENT:

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PROJECT ENGINEER:

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**PERMIT DRAWINGS**

Issue # Issue Date

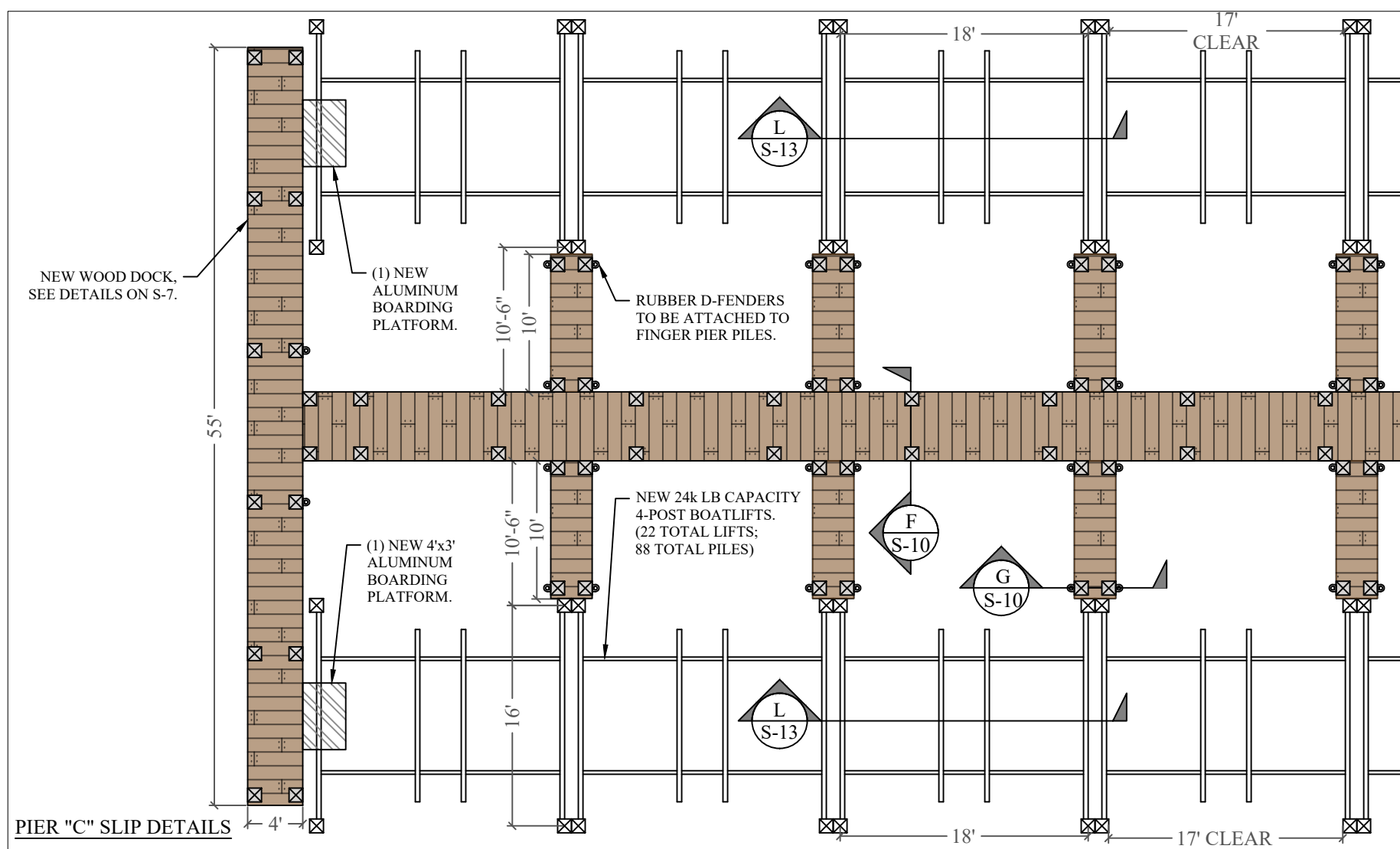
① September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

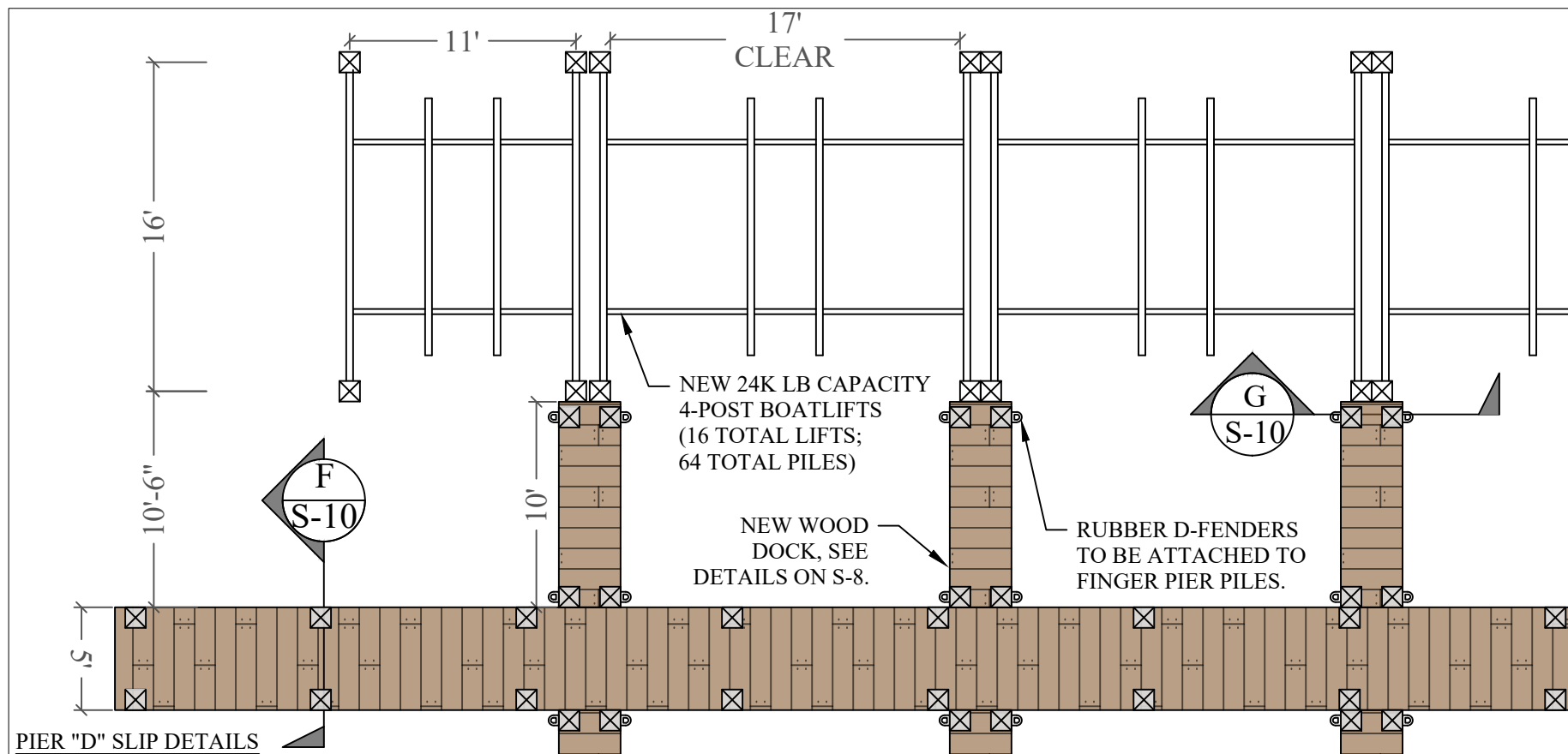
**PIER A SECTION &  
BOATLIFT SECTION**

SCALE : AS SHOWN  
SHEET NO.

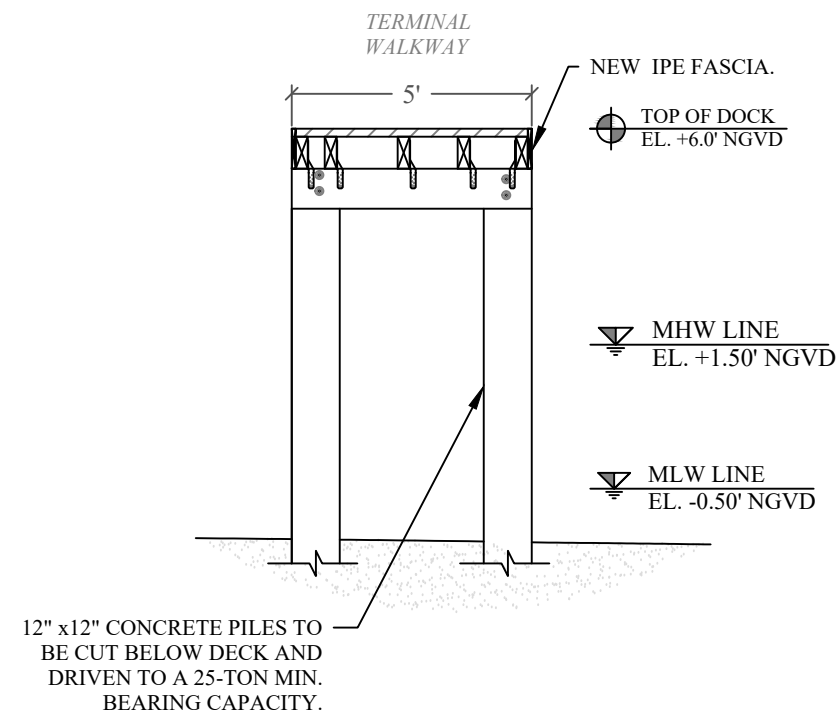
**S-10**



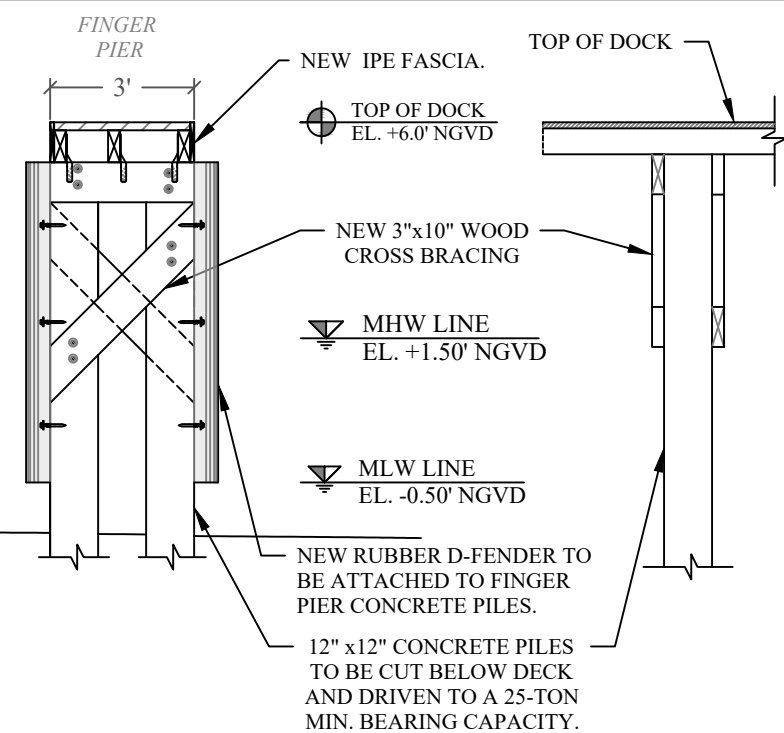
PIER "C" SLIP DETAILS



PIER "D" SLIP DETAILS



ACCESS WALKWAY SECTION **F**  
SCALE: 1/4" = 1'-0" **S-10**



TYP. FINGER PIER SECTION **G**  
SCALE: 1/4" = 1'-0" **S-10**

**HURRICANE COVE  
MARINA DOCKING  
FACILITY**

Miami, Florida

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**PERMIT DRAWINGS**

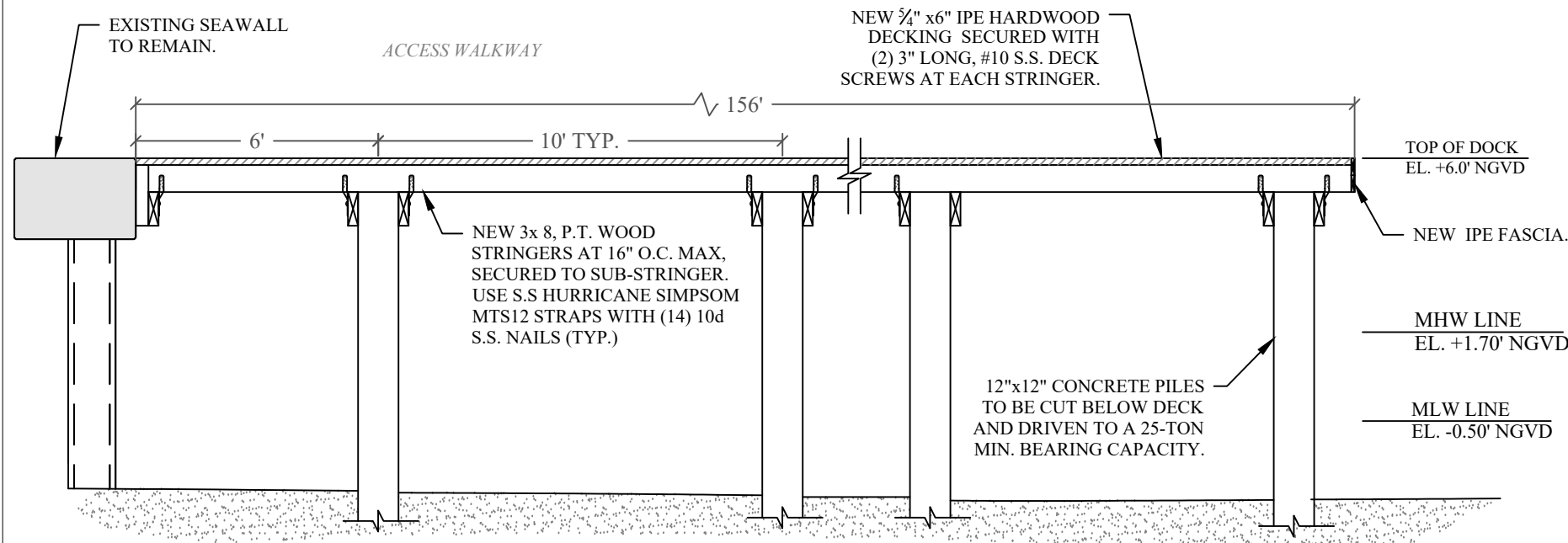
Issue #	Issue Date
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PROJECT: 14-4125 CLI-2020-0463

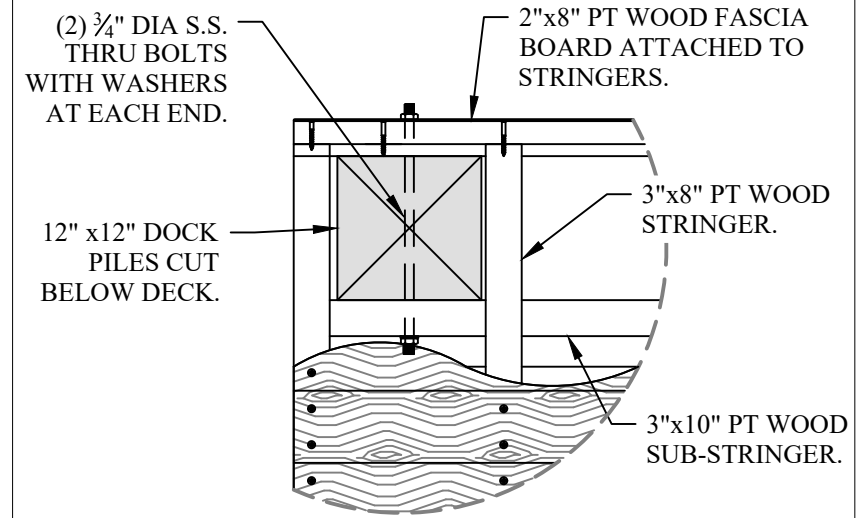
**WOOD DOCK SECTIONS  
& PILE DETAILS**

SCALE : AS SHOWN  
SHEET NO.

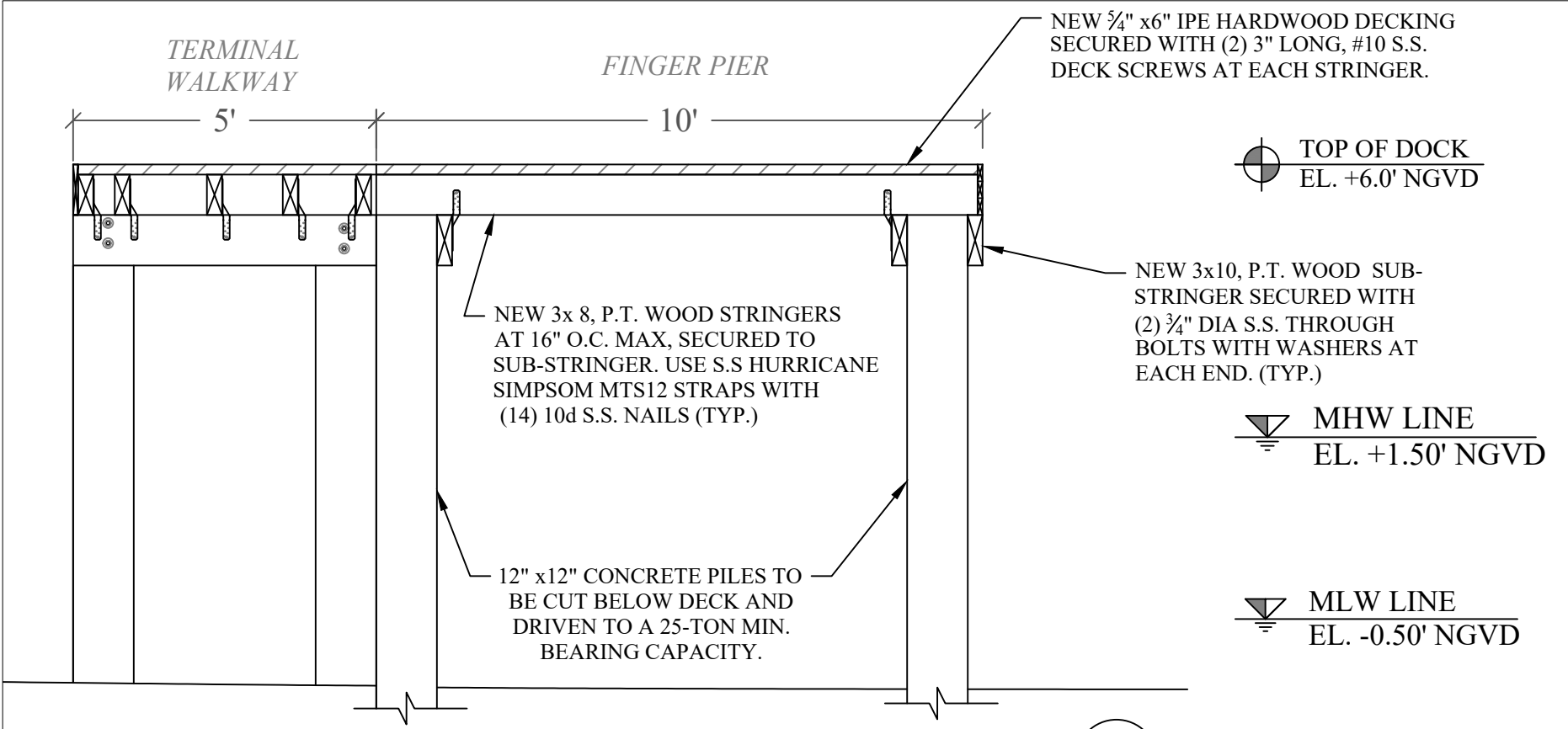
**S-11**



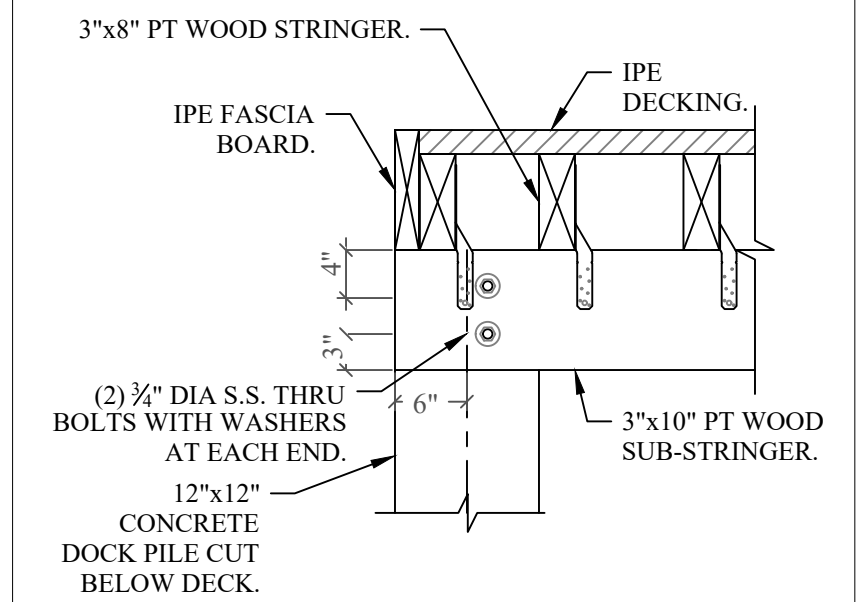
**PIER "D" SECTION DETAILS** (H)  
SCALE: 1/4" = 1'-0" (S-11)



**DECK EDGE PLAN DETAIL** (5)  
SCALE: 3/4" = 1'-0" (S-11)



**10-FT FINGER PIER SECTION** (I)  
SCALE: 3/8" = 1'-0" (S-11)



**DECK EDGE SECTION DETAIL** (7)  
SCALE: 3/4" = 1'-0" (S-11)

**HURRICANE COVE  
MARINA DOCKING  
FACILITY**

Miami, Florida

CLIENT:  
**MR. TERRYL ZERBY  
HC INVESTORS #1, LLC**  
1884 NW NORTH RIVER DRIVE  
MIAMI, FLORIDA 33125

ENVIRONMENTAL CONSULTANT:  
**OCEAN  
CONSULTING, LLC**  
340 Minorca Avenue, Suite 7  
Coral Gables, Florida 33134  
Tel: (305) 921-9344  
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

**PERMIT DRAWINGS**

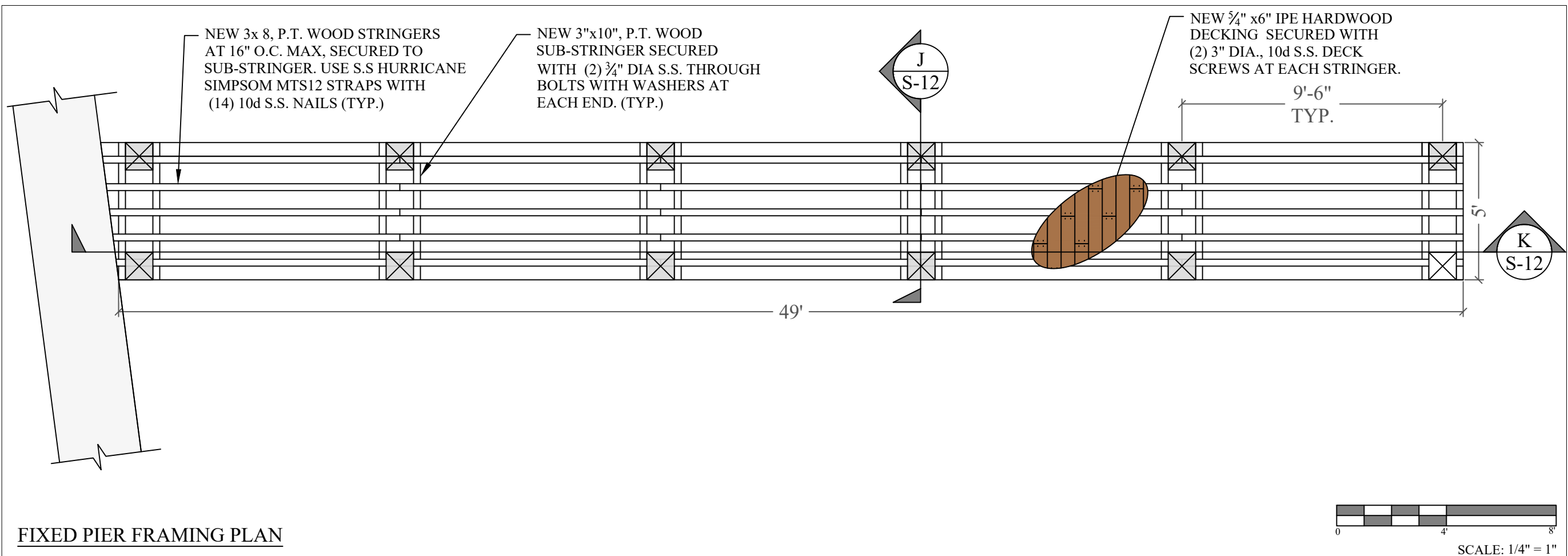
Issue #	Issue Date
①	September 27, 2021

PROJECT: 14-4125 CLI-2020-0463

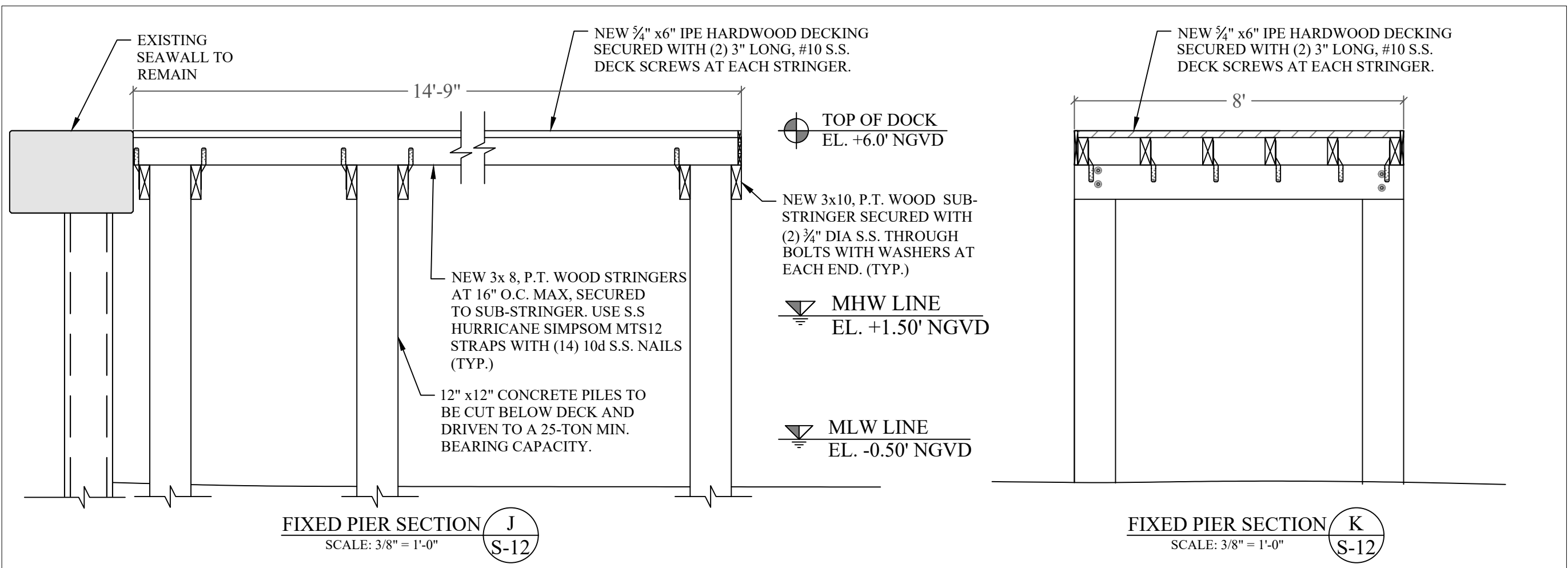
**PROPOSED FIXED PIER  
FRAMING PLAN AND  
SECTIONS**

SCALE: AS SHOWN  
SHEET NO.

**S-12**



**FIXED PIER FRAMING PLAN**



**FIXED PIER SECTION J**  
SCALE: 3/8" = 1'-0"

**FIXED PIER SECTION K**  
SCALE: 3/8" = 1'-0"

**HURRICANE COVE  
MARINA DOCKING  
FACILITY**

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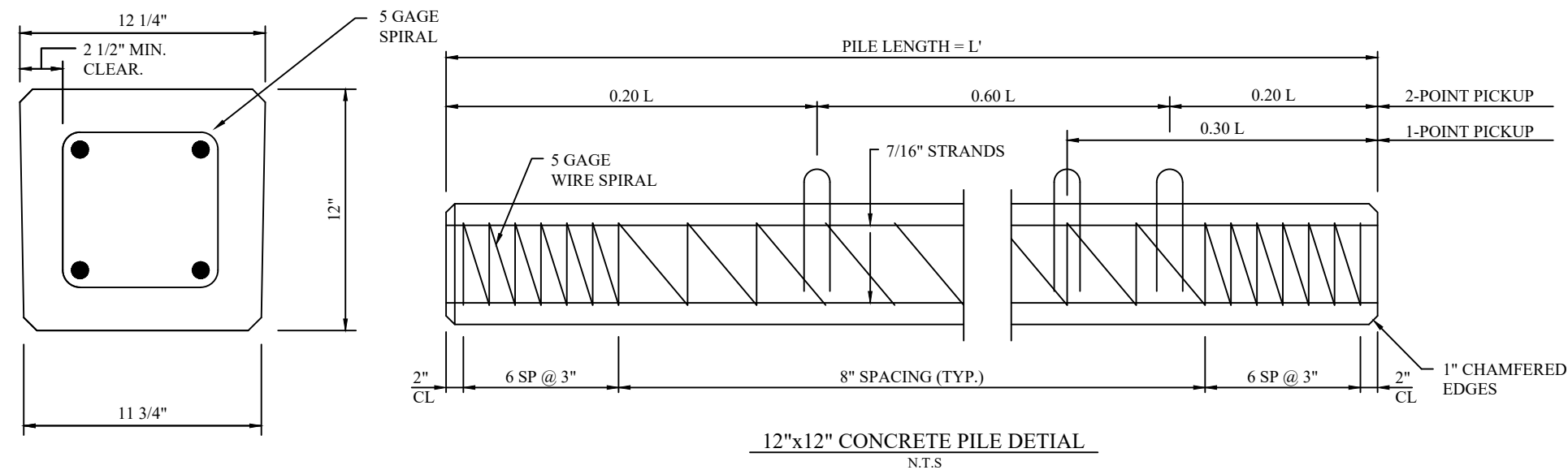
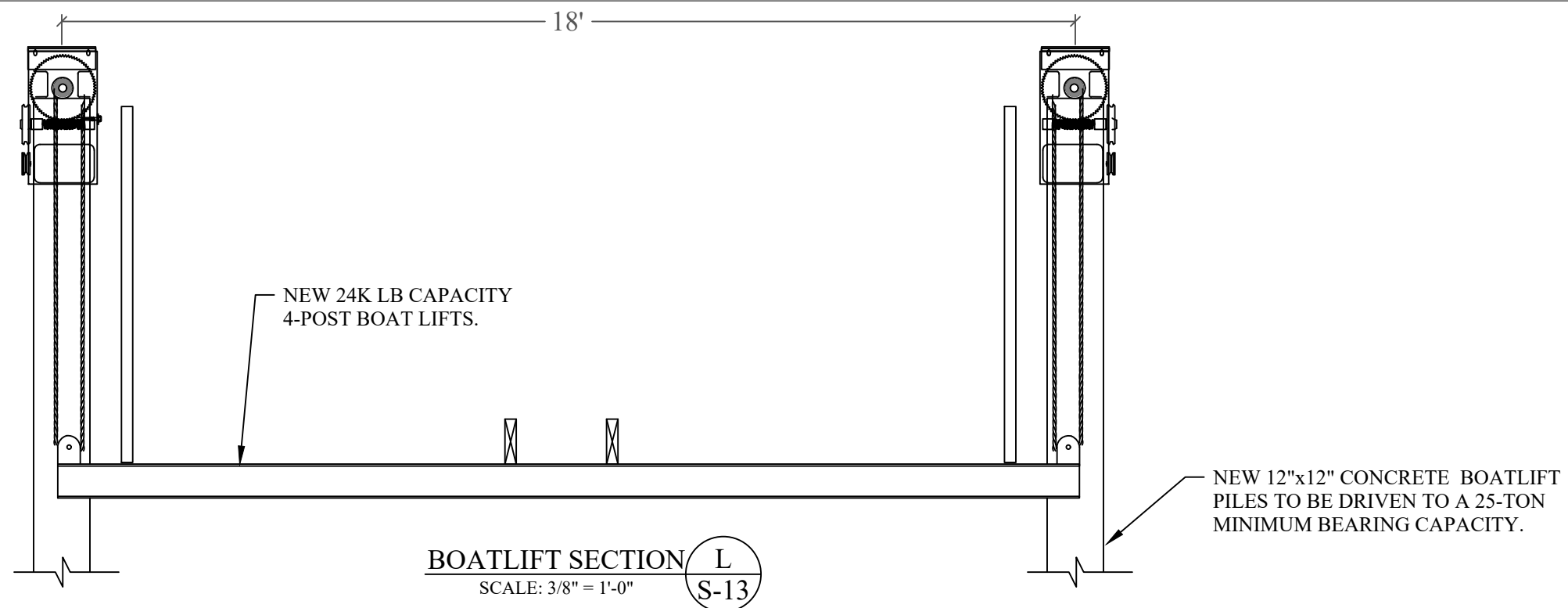
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**BOATLIFT SECTION,  
12x12 & 14x14  
PILE DETAILS**

SCALE : AS SHOWN  
SHEET NO.

**S-13**



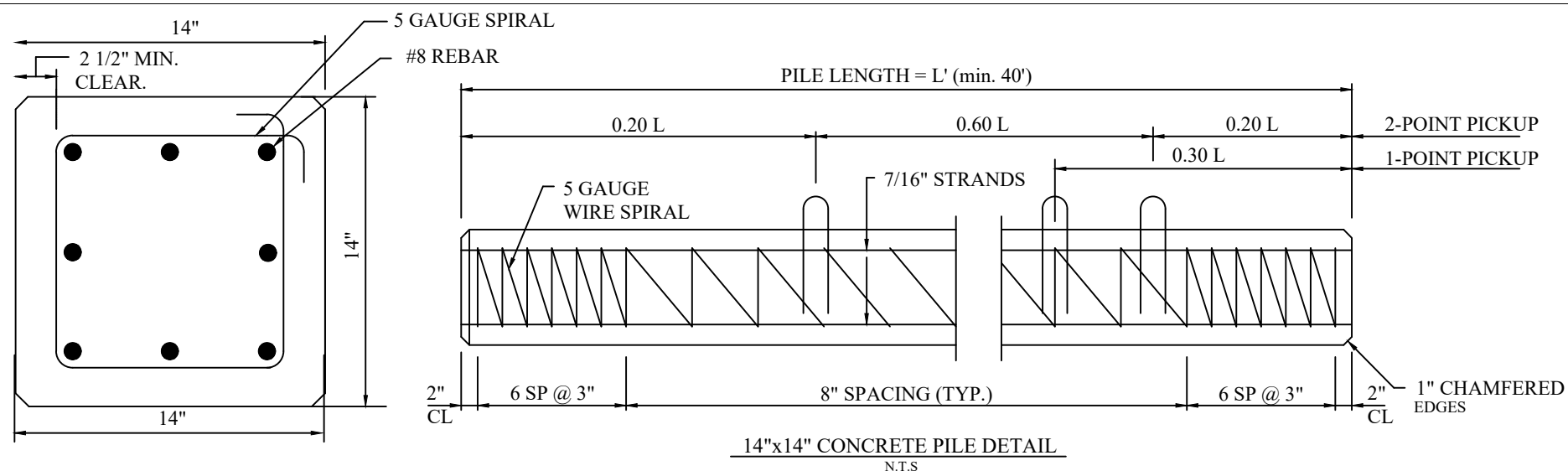
**PILE NOTE:**

CONCRETE COMPRESIVE STRENGTH:  
3000 PSI @ RELEASE  
5000 PSI @ DRIVING

SPIRAL TO BE ASTM A-82 TIGHT  
HARD-DRAWN WIRE

STRANDS - USE FOUR 7/16" (270K)  
LOW RELAXATION ASTM 416-87 UNCOATED  
7-WIRE STRANDS TENSIONED TO 2.33 KIPS  
EACH

1-POINT PICKUP-MAXIMUM L = 50'  
2-POINT PICKUP-MAXIMUM L = 62'



**PILE NOTE:**

CONCRETE COMPRESIVE STRENGTH:  
3000 PSI @ RELEASE  
5000 PSI @ DRIVING

SPIRAL TO BE ASTM A-82 TIGHT  
HARD-DRAWN WIRE

STRANDS - USE EIGHT #8 REBAR  
LOW RELAXATION ASTM 416-87 UNCOATED  
7-WIRE STRANDS TENSIONED TO 2.33 KIPS  
EACH

1-POINT PICKUP-MAXIMUM L = 50'  
2-POINT PICKUP-MAXIMUM L = 62'