



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

March 26, 2021

Alan Levine
Elaine R. Levine Living Trust
3350 Mary St.
Miami, FL 33133
Sent via e-mail: AWL@levinelawfirm.com

Re: File No.: 13-0399283-001,002-EE
File Name: Elaine R. Levine Living Trust

Dear Mr. Levine:

On February 19, 2021, we received your request for verification of exemption to perform the following activities: 1) 160 LF of seawall cap, 80 LF of new toewall with new batter piles, 80 LF existing toe wall with new batter piles, and 2) remove existing dock and replace with 70 ft. irregular-shaped dock totaling 700 ft² area. The project is located in Biscayne Waterway, Class III Waters, adjacent to 333 Garden Ave. Miami Beach (Section 27, Township 54 South, Range 33 East), in Miami-Dade County (Latitude N 25° 48' 34.80", Longitude W 80° 8' 5.91").

Your request has been reviewed to determine whether it qualifies for (1) regulatory exemption, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal approval that may be necessary for work in wetlands or waters of the United States.

Your project did not qualify for the federal authorization of this verification request. **Additional authorization must be obtained prior to commencement of the proposed activity.** This letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity. Please refer to the specific section(s) dealing with that portion of the review below for advice on how to proceed.

If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

If you have any questions regarding this matter, please contact Bruce Kay at the letterhead address or at 561 681-6695, Bruce.Kay@FloridaDEP.gov.

1. Regulatory Review – VERIFIED

Based on the information submitted, the Department has verified that the activities as proposed are exempt, under Chapter 62-330.051(12)(b) and (5)(b), Florida Administrative Code, from the need to obtain a regulatory permit under Part IV of Chapter 373 of the Florida Statutes.

This exemption verification is based on the information you provided the Department and the statutes and rules in effect when the information was submitted. This verification may not be valid if site conditions materially change, the project design is modified, or the statutes or rules governing the exempt activity are amended. In the event you need to re-verify the exempt status for the activity, a new request and verification fee will be required. Any substantial modifications to the project design should be submitted to the Department for review, as changes may result in a permit being required.

2. Proprietary Review- GRANTED

The Department acts as staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees) and issues certain authorizations for the use of sovereign submerged lands. The Department has the authority to review activities on sovereign submerged lands under Chapters 253 and 258 of the Florida Statutes, and Chapters 18-20 and 18-21 of the Florida Administrative Code.

The activity appears to be located on sovereign submerged lands owned by the Board of Trustees. The activity is not exempt from the need to obtain the applicable proprietary authorization. As staff to the Board of Trustees, the Department has reviewed the activity described above, and has determined that the activity qualifies for an automatic consent by rule under Rule 18-21.005(1)(b) and Section 253.77 of the Florida Statutes to construct and use the activity on the specified sovereign submerged lands, as long as the work performed is located within the boundaries as described herein and is consistent with the terms and conditions herein. No further application is required for this consent by rule.

Special Consent Conditions

1. The applicant agrees to indemnify, defend and hold harmless the Board of Trustees and the State of Florida from all claims, actions, lawsuits and demands in any form arising out of the authorization to use sovereignty submerged lands or the applicant's use and construction of structures on sovereignty submerged lands. This duty to indemnify and hold harmless will include any and all liabilities that are associated with the structure or activity including special assessments or taxes that are now or in the future assessed against the structure or activity during the period of the authorization.
2. Failure by the Board of Trustees to enforce any violation of a provision of the authorization or waiver by the Board of Trustees of any provision of the authorization will not invalidate the provision not enforced or waived, nor will the failure to enforce or a waiver prevent the Board of Trustees from enforcing the unenforced or waived provision in the event of a violation of that provision.

3. Applicant binds itself and its successors and assigns to abide by the provisions and conditions set forth in the authorization. If the applicant or its successors or assigns fails or refuses to comply with the provisions and conditions of the authorization, the authorization may be terminated by the Board of Trustees after written notice to the applicant or its successors or assigns. Upon receipt of such notice, the applicant or its successors or assigns will have thirty (30) days in which to correct the violations. Failure to correct the violations within this period will result in the automatic revocation of this authorization.
4. All costs incurred by the Board of Trustees in enforcing the terms and conditions of the authorization will be paid by the applicant. Any notice required by law will be made by certified mail at the address shown on page one of the authorization. The applicant will notify the Board of Trustees in writing of any change of address at least ten days before the change becomes effective.
5. This authorization does not allow any activity prohibited in a conservation easement or restrictive covenant that prohibits the activity.

General Conditions for Authorizations for Activities

All authorizations granted by rule or in writing under Rule 18-21.005, F.A.C., except those for geophysical testing, shall be subject to the general conditions as set forth in paragraphs (a) through (i) below. The general conditions shall be part of all authorizations under this chapter, shall be binding upon the grantee, and shall be enforceable under Chapter 253 or 258, Part II, F.S.

- (a) Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignty submerged land unless cured to the satisfaction of the Board.
- (b) Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.
- (c) Authorizations may be modified, suspended or revoked in accordance with their terms or the remedies provided in Sections 253.04 and 258.46, F.S., or Chapter 18-14, F.A.C.
- (d) Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.
- (e) Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.
- (f) Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.

(g) Structures or activities shall not create a navigational hazard.

(h) Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This shall not be construed to prohibit the repair or replacement subject to the provisions of Rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.

(i) Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under Paragraph 18-21.004(1)(f), F.A.C., or any other applicable law.

3. Federal Review - NOT APPROVED

Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. You must apply separately to the Corps using their APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT, ENG FORM 4345, or alternative as allowed by their regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Source Book at: <https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book>.

Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

Please retain this letter. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S., and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-

106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bruce R. Kay
Engineering Specialist
Southeast District

Enclosures:

Attachment A- Specific Exemption Rule
Project drawings, 9 pages

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

FDEP – Jeff Meyer, Bruce Kay

Emily Nelson, Ocean Consulting, emily@oceanconsultingfl.com

Kirk Lofgren, Ocean Consulting, kirk@oceanconsultingfl.com

Additional mailings:

Lisa Spadafina, Miami-Dade County RER, spadaL2@miamidade.gov

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

March 26, 2021

Date

Attachment A

62-330.051 Exempt Activities.

The activities meeting the limitations and restrictions below are exempt from permitting. However, if located in, on, or over state-owned submerged lands, they are subject to a separate authorization under chapters 253 and 258, F.S., as applicable.

(12) Construction, Replacement, Restoration, Enhancement, and Repair of Seawall, Riprap, and Other Shoreline Stabilization –

(b) The restoration of a seawall or riprap under section 403.813(1)(c), F.S., where:

1. The seawall or riprap has been damaged or destroyed within the last year by a discrete event, such as a storm, flood, accident, or fire or where the seawall or riprap restoration or repair involves only minimal backfilling to level the land directly associated with the restoration or repair and does not involve land reclamation as the primary project purpose. See section 3.2.4 of Volume I for factors used to determine qualification under this provision;

2. Restoration shall be no more than 18 inches waterward of its previous location, as measured from the waterward face of the existing seawall to the face of the restored seawall, or from the waterward slope of the existing riprap to the waterward slope of the restored riprap; and

3. Applicable permits under chapter 161, F.S., are obtained.

(5) Dock, Pier, Boat Ramp and Other Boating-related Work –

(b) Installation of private docks, piers, and recreational docking facilities, and installation of local governmental piers and recreational docking facilities, in accordance with section 403.813(1)(b), F.S. This includes associated structures such as boat shelters, boat lifts, and roofs, provided:

1. The cumulative square footage of the dock or pier and all associated structures located over wetlands and other surface waters does not exceed the limitations in section 403.813(1)(b), F.S.;

2. No structure is enclosed on more than three sides with walls and doors;

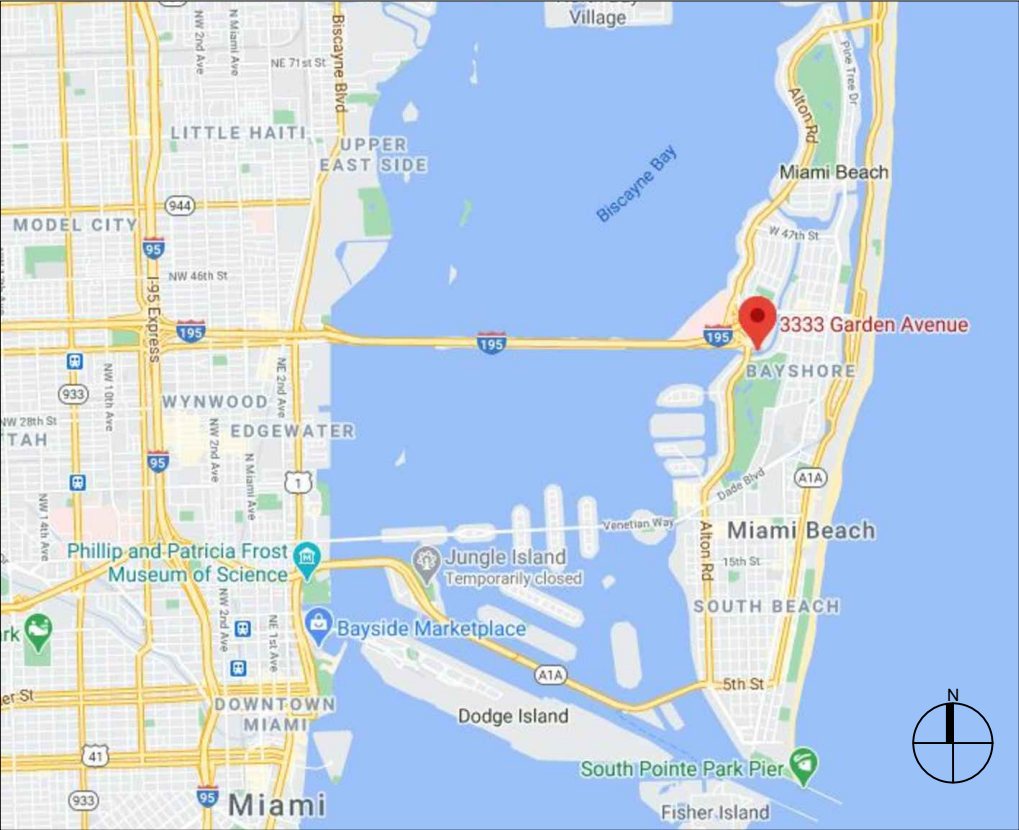
3. Structures are not used for residential habitation or commercial purposes, or storage of materials other than those associated with water dependent recreational use; and

4. Any dock and associated structure shall be the sole dock as measured along the shoreline for a minimum distance of 65 feet, unless the parcel of land or individual lot as platted is less than 65 feet in length along the shoreline, in which case there may be one exempt dock allowed per parcel or lot.



PROJECT SITE

LOCATION MAP AND LEGAL DESCRIPTION



PROJECT SITE LOCATION:

3333 Garden Ave
Miami Beach, FL 33140

LATITUDE: 25°48'34.96"N
LONGITUDE: 80° 8' 6.26"W

FOLIO No.: 02-3227-015-0080

LEGAL DESCRIPTION:

GARDEN SUB AMD SUB PB 31-9
LOTS 1 & 2 BLK 2
LOT SIZE 139.700 X 158

GENERAL NOTES:

- ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
- 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.
- THE CONTRACTOR WILL EMPLOY AND MAINTAIN ADEQUATE SEDIMENT AND EROSION CONTROL MEASURES TO PROTECT BISCAYNE BAY FROM SEDIMENT AND CONSTRUCTION DEBRIS.

DESIGN CRITERIA

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS:

- FLORIDA BUILDING CODE (FBC), 2020 EDITION.
- ACI 318-19, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- NDS NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2018 EDITION.
- EM 1110-2-1100 (PART VI) COASTAL ENGINEERING MANUAL, 2011 EDITION.

IN THE EVEN OF CONFLICT BETWEEN PERTINENT CODES AND REGULATIONS AND THE REQUIREMENTS OF THE REFERENCED STANDARDS OF THESE SPECIFICATIONS, THE PROVISIONS OF THE MORE STRINGENT SHALL GOVERN.

BOLTS:

- ALL BOLTS SHALL BE 316 STAINLESS STEEL, 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 AND 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 MINIMUM 15 TON BEARING CAPACITY.
- 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 $\frac{1}{4}$ " 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.

3333 GARDEN AVE WATERFRONT IMPROVEMENTS DEP PROJECT Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

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

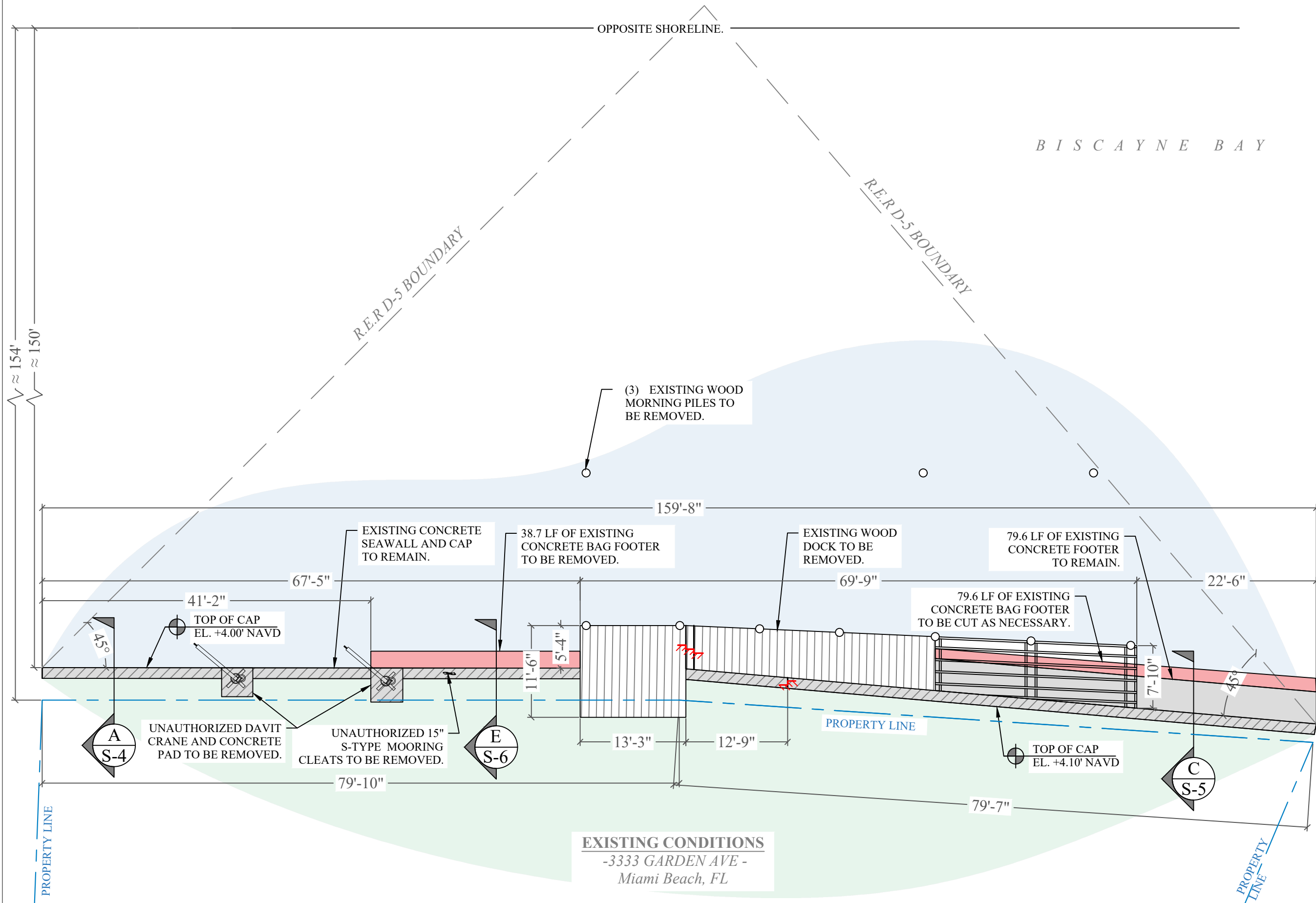
Issue #	Issue Date
①	March 10, 2021
②	March 25, 2021

PROJECT: 20-10120

PROJECT LOCATION & NOTES

SCALE : AS SHOWN
SHEET NO.

S-1



3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
DEP PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

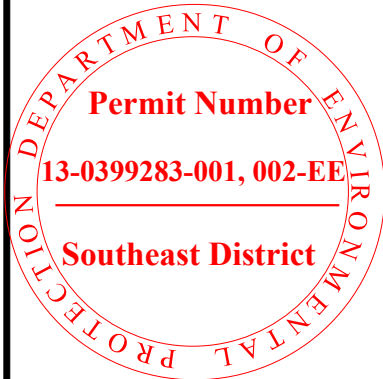
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340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE



PERMIT DRAWINGS

Issue #	Issue Date
①	March 10, 2021
②	March 25, 2021

PROJECT: 20-10120

EXISTING CONDITIONS

SCALE : AS SHOWN
SHEET NO.

S-2

3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
DEP PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

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

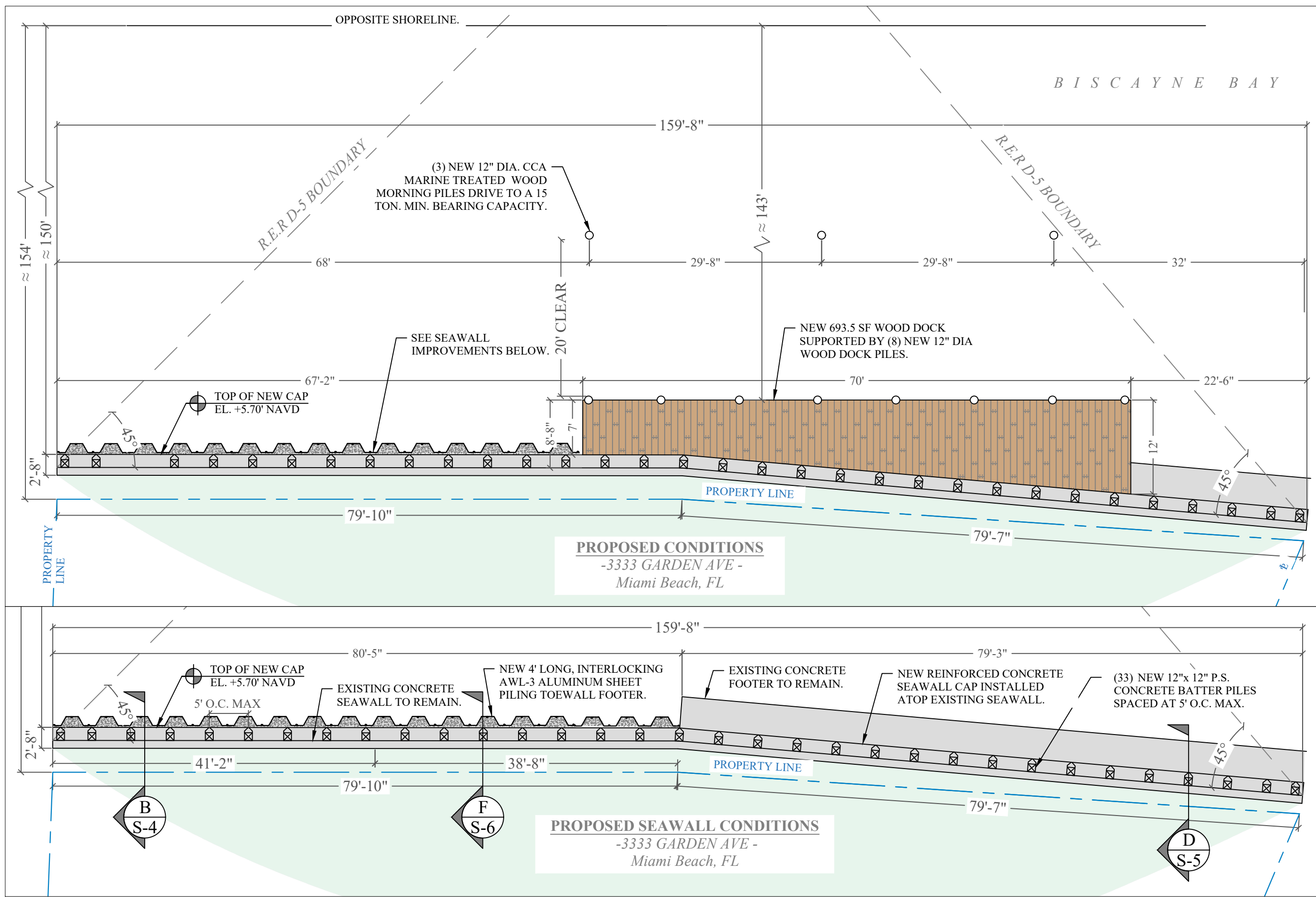
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| ① | March 10, 2021 |
| ② | March 25, 2021 |

PROJECT: 20-10120

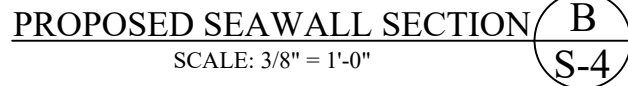
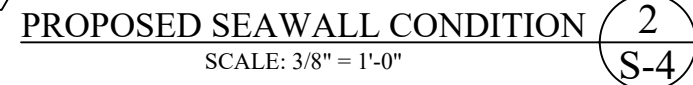
PROPOSED CONDITIONS

SCALE : AS SHOWN
SHEET NO.

S-3



S-4



3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
DEP PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

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 Number

13-0399283-001, 002-EE

Southeast District

PERMIT DRAWINGS

Issue # Issue Date

① March 10, 2021

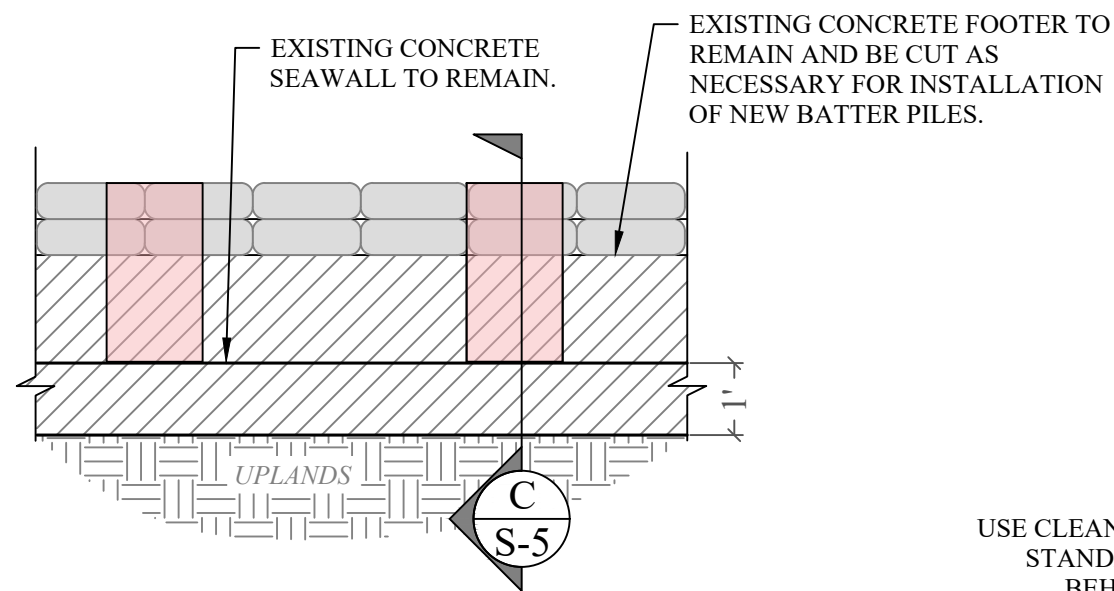
② March 25, 2021

PROJECT: 20-10120

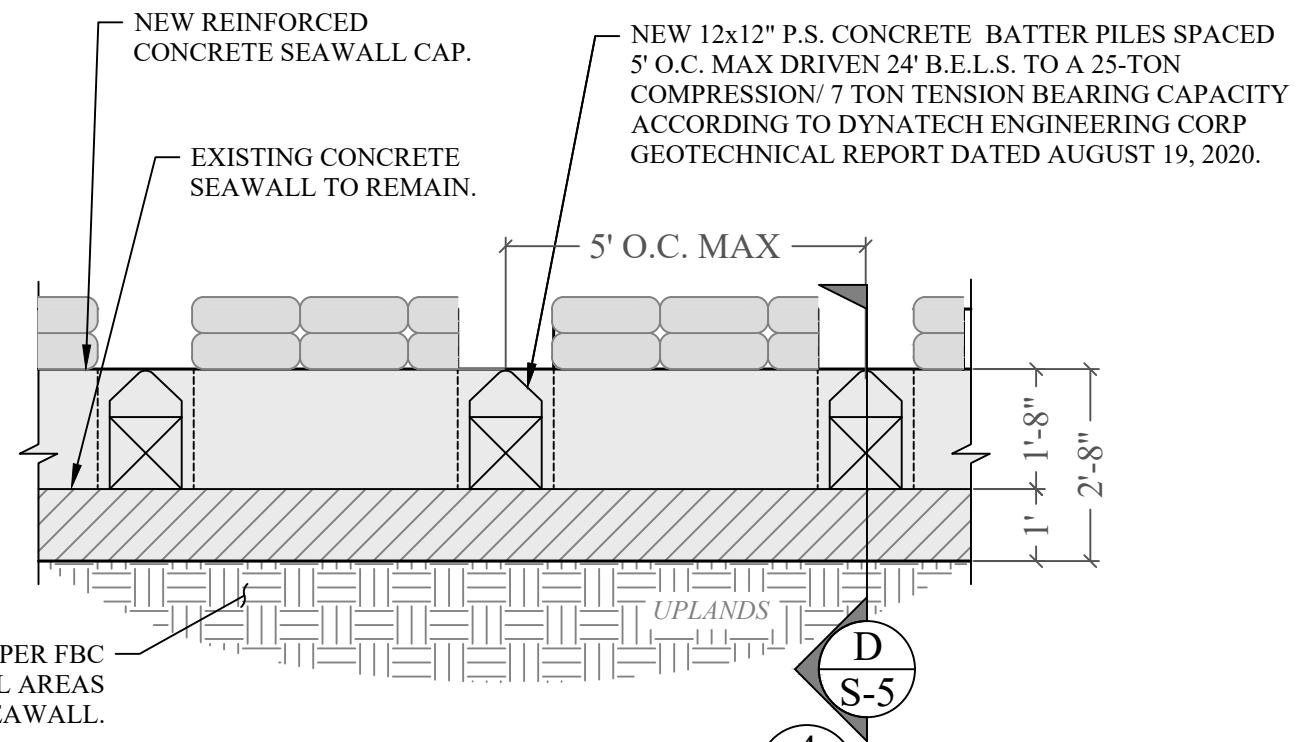
SEAWALL DETAILS
AND SECTIONS

SCALE : AS SHOWN
SHEET NO.

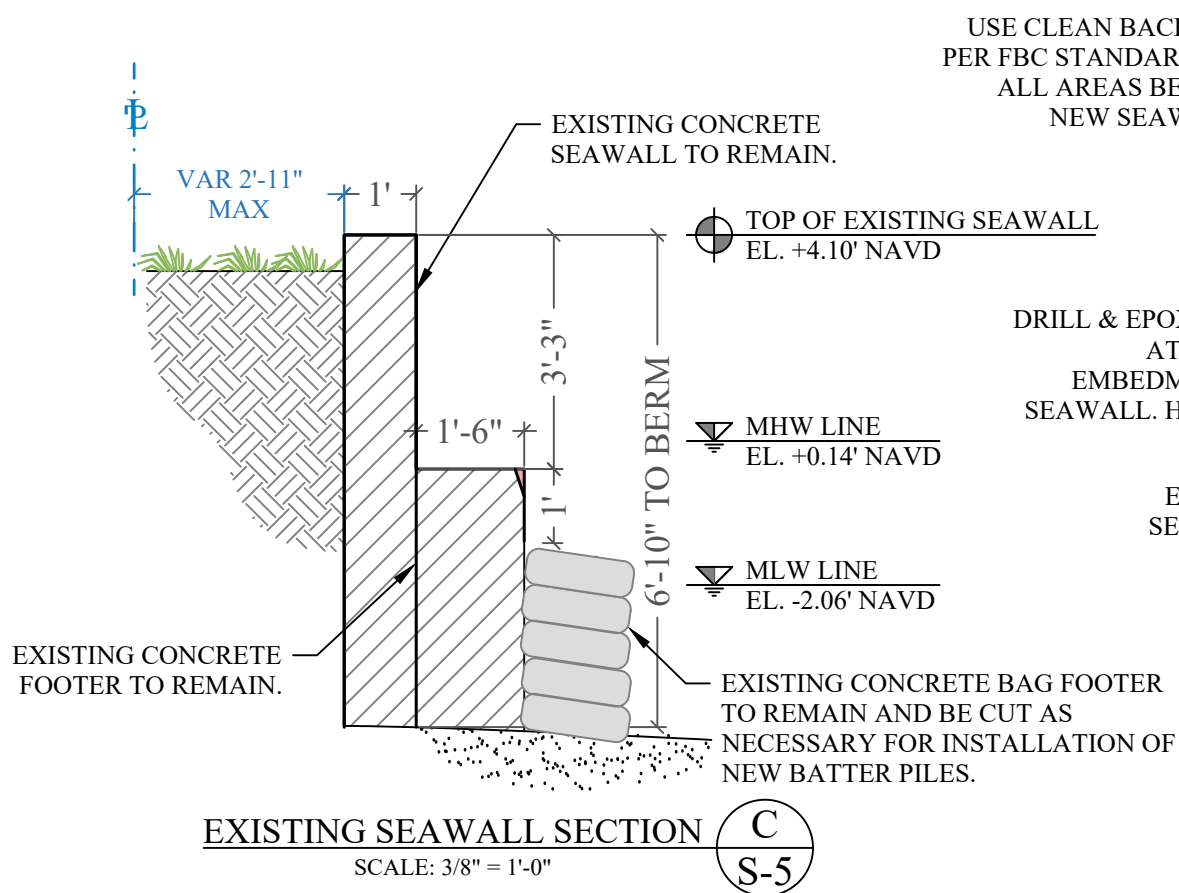
S-5



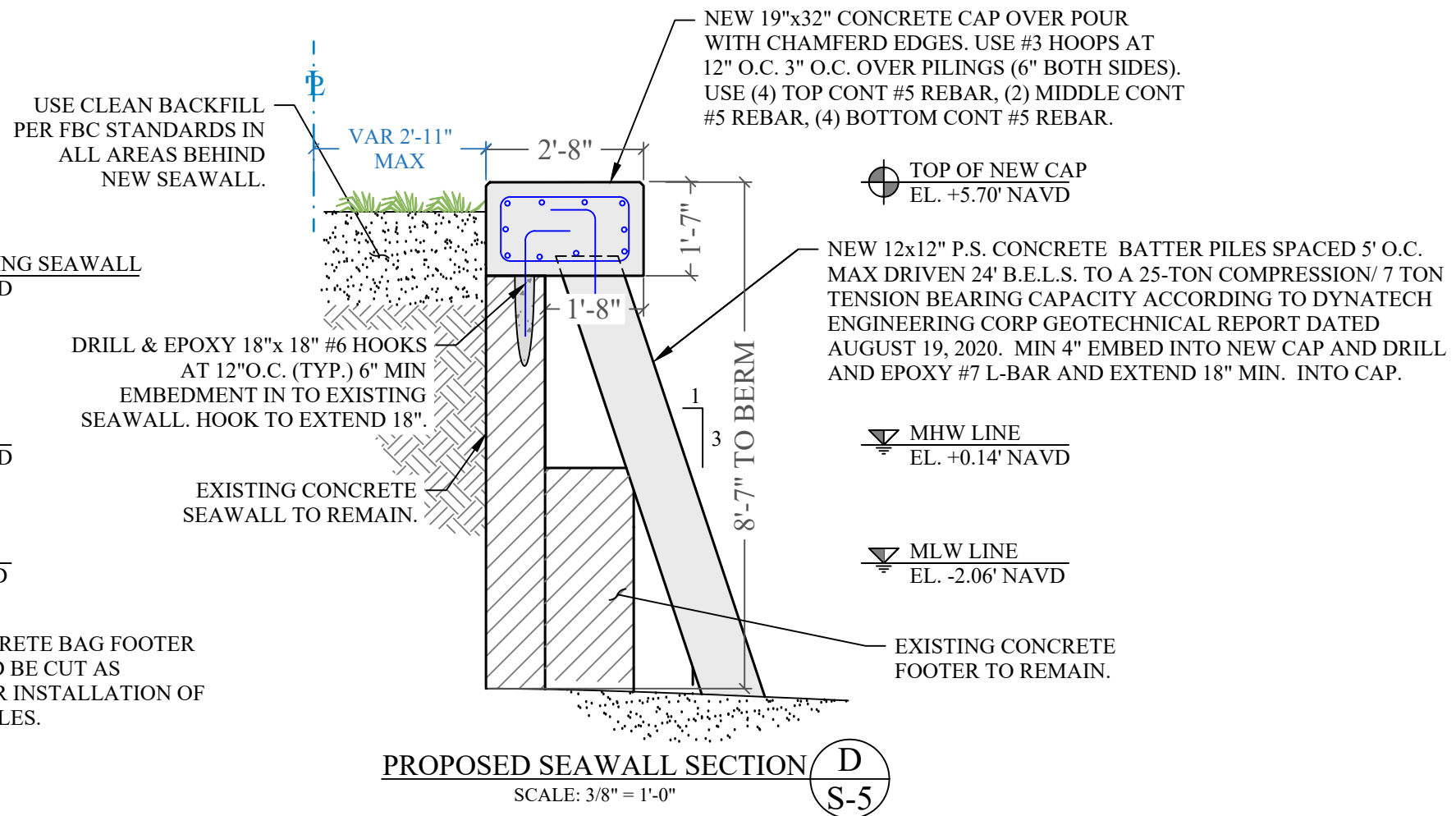
EXISTING SEAWALL CONDITION **3**
SCALE: 3/8" = 1'-0" **S-5**



PROPOSED SEAWALL CONDITION **4**
SCALE: 3/8" = 1'-0" **S-5**



EXISTING SEAWALL SECTION **C**
SCALE: 3/8" = 1'-0" **S-5**



PROPOSED SEAWALL SECTION **D**
SCALE: 3/8" = 1'-0" **S-5**

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

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

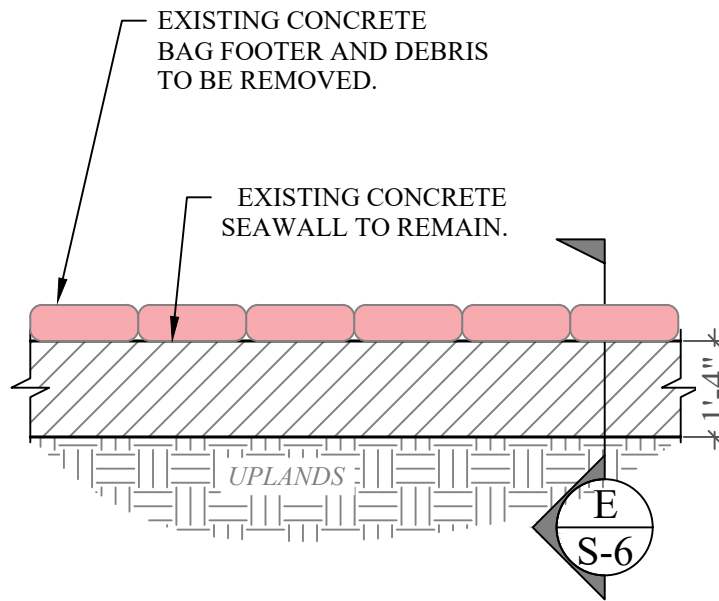
Issue #	Issue Date
①	March 10, 2021
②	March 25, 2021

PROJECT: 20-10120

**SEAWALL DETAILS
AND SECTIONS**

SCALE : AS SHOWN
SHEET NO.

S-6



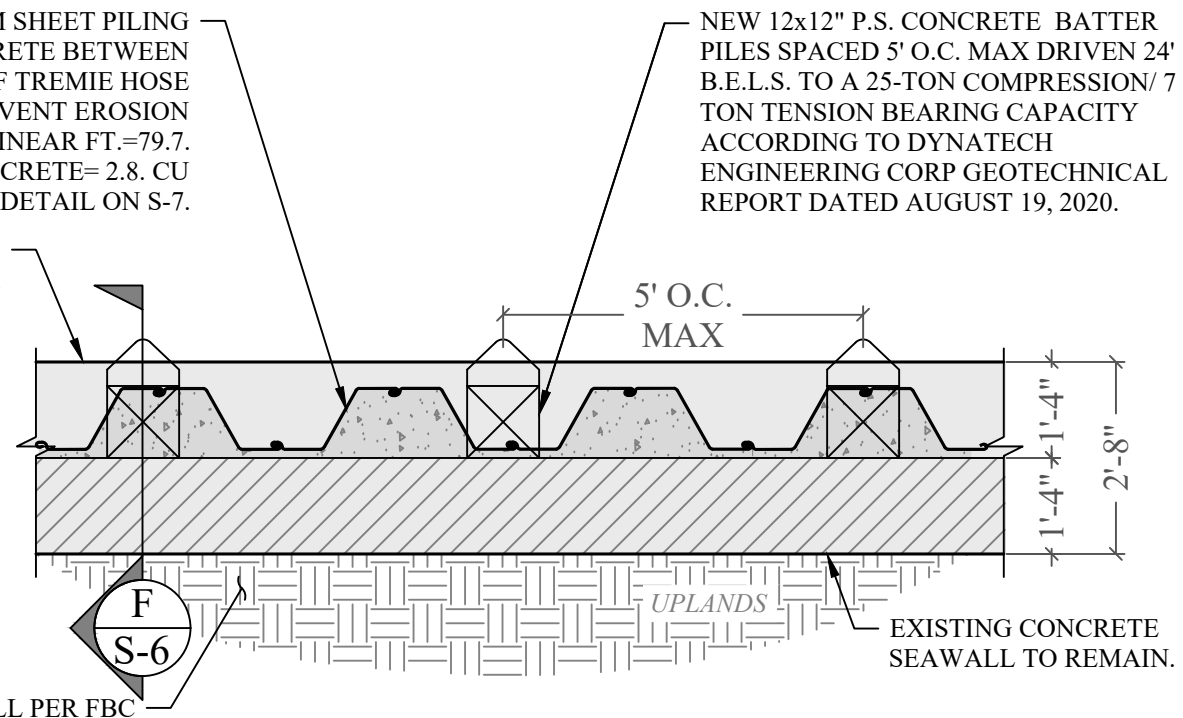
EXISTING SEAWALL CONDITION

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

**5
S-6**

4' LONG, INTERLOCKING AWL-3 ALUMINUM SHEET PILING
TOEWALL FOOTER; PUMP 3,000 PSI CONCRETE BETWEEN
SHEETING AND SEAWALL BY MEANS OF TREMIE HOSE
FROM CONCRETE PUMP TRUCK TO PREVENT EROSION
BEHIND EXISTING SEAWALL. TOTAL LINEAR FT.=79.7.
TOTAL CU YARDAGE OF CONCRETE= 2.8. CU
YARDS/LINEAR FT =0.04. SEE ALUM DETAIL ON S-7.

NEW REINFORCED
CONCRETE SEAWALL CAP.

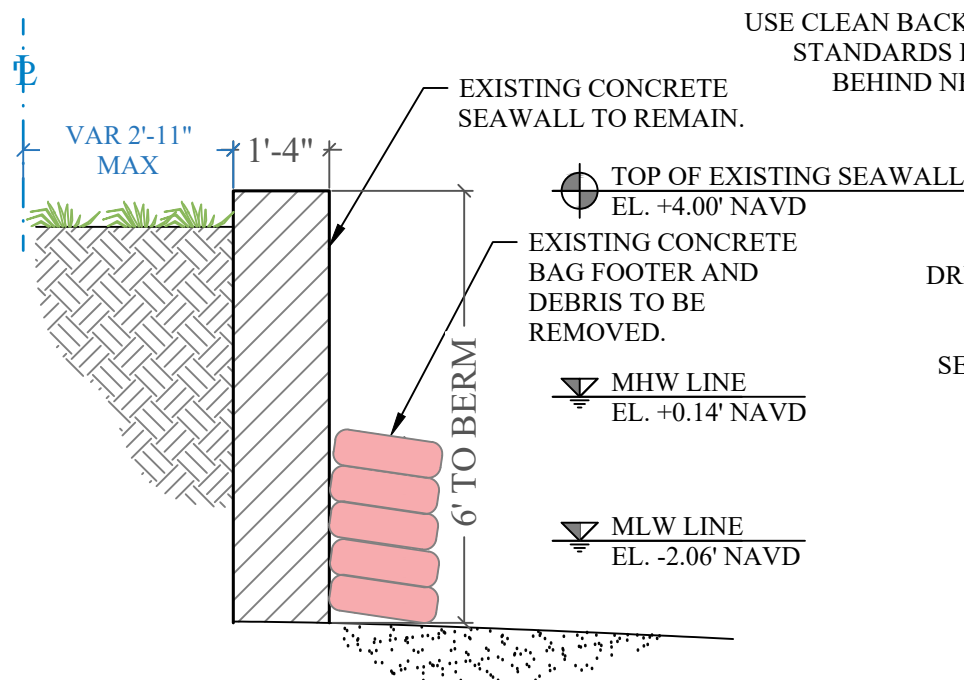


PROPOSED SEAWALL CONDITION

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

**6
S-6**

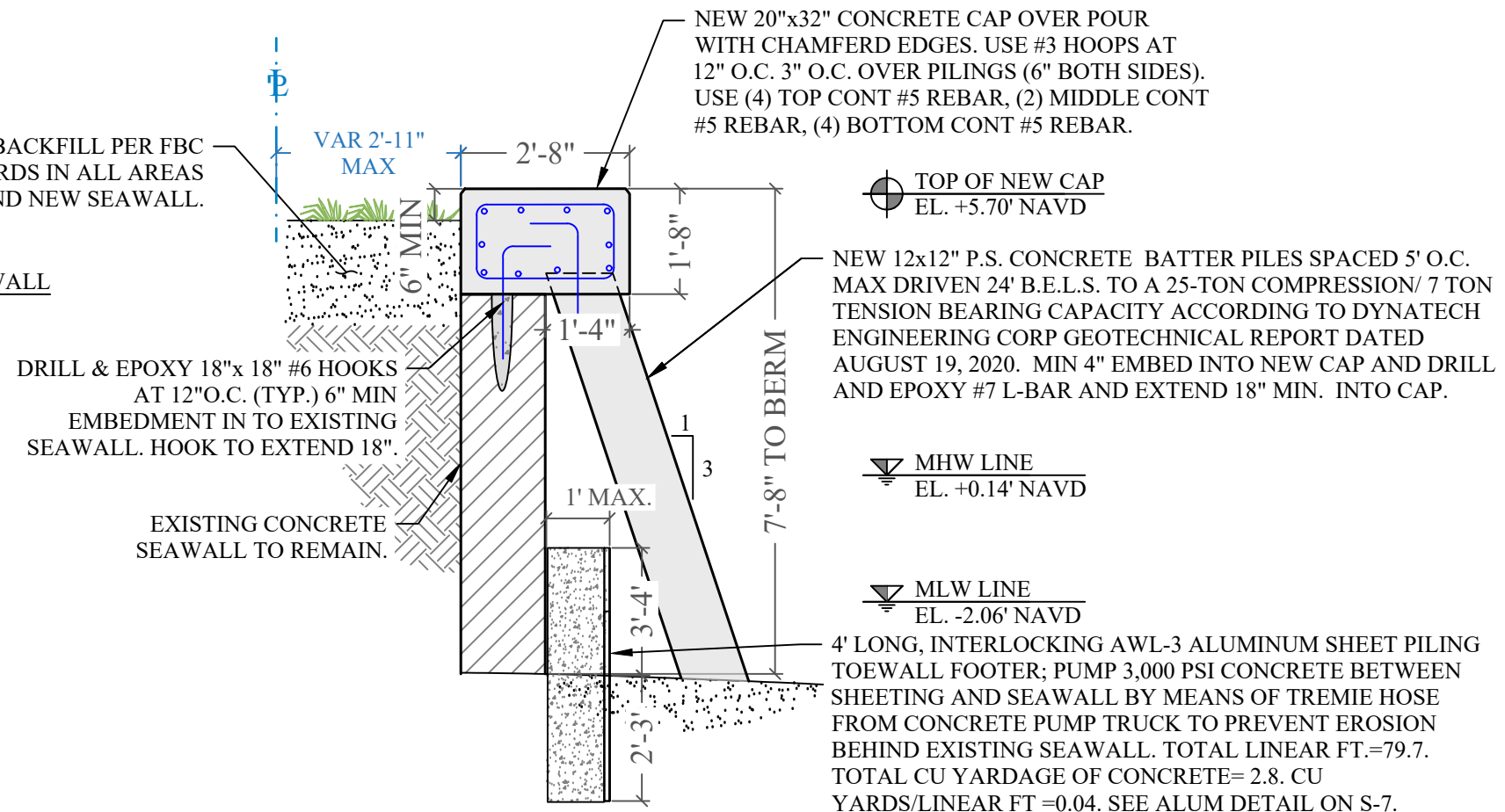
USE CLEAN BACKFILL PER FBC
STANDARDS IN ALL AREAS
BEHIND NEW SEAWALL.



EXISTING SEAWALL SECTION

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

**E
S-6**



PROPOSED SEAWALL SECTION

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

**F
S-6**

3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
DEP PROJECT
Miami Beach, Florida

CLIENT:

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Permit Number

13-0399283-001, 002-EE

Southeast District

PERMIT DRAWINGS

Issue # Issue Date

① March 10, 2021

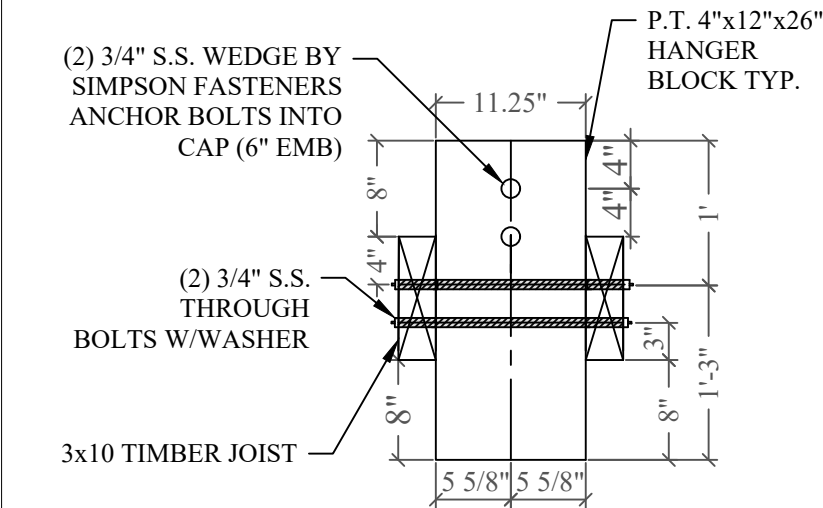
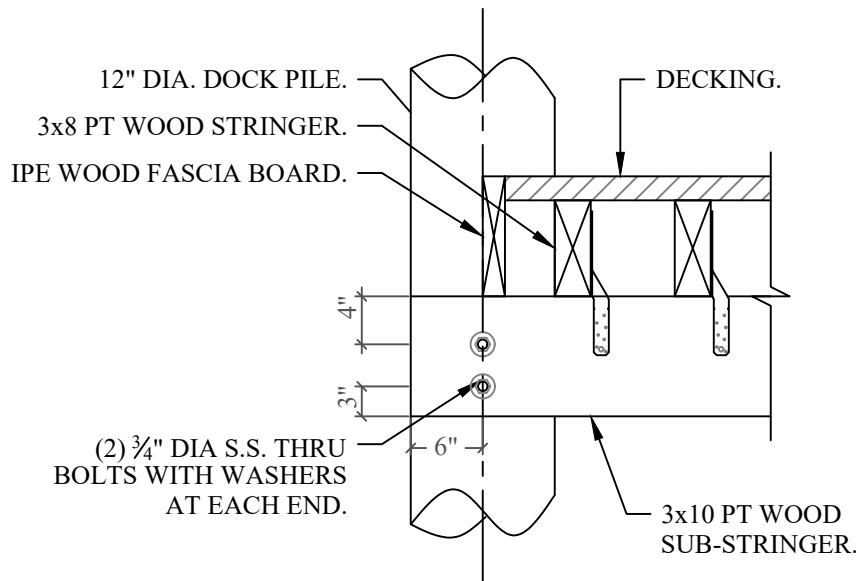
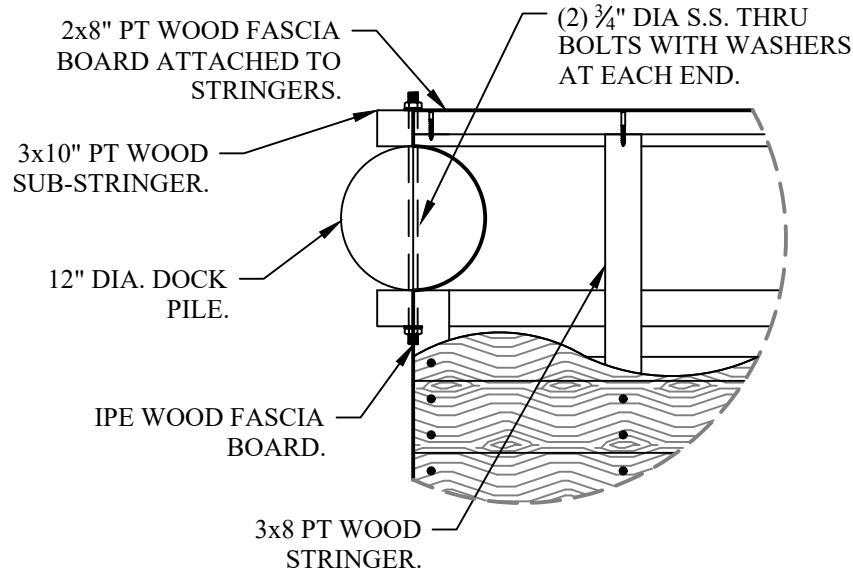
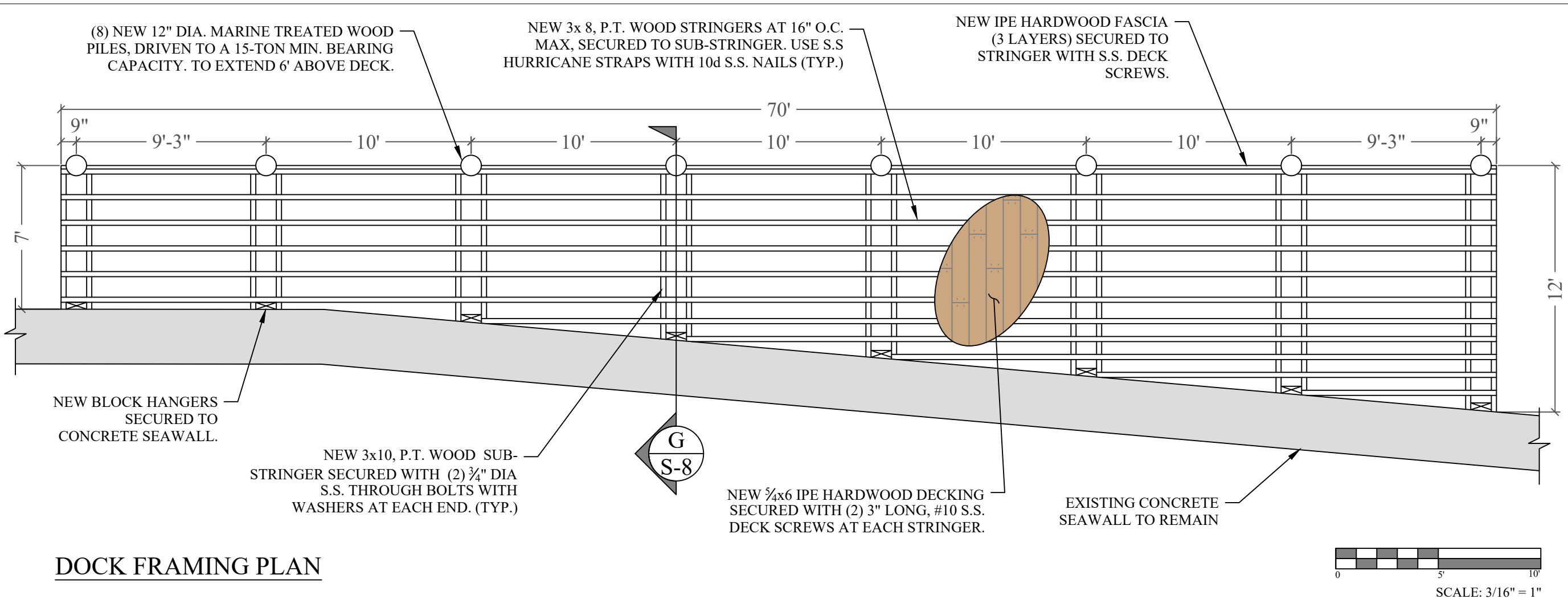
② March 25, 2021

PROJECT: 20-10120

DOCK FRAMING PLAN
AND DETAILS

SCALE : AS SHOWN
SHEET NO.

S-7



3333 GARDEN AVE
WATERFRONT
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DEP PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

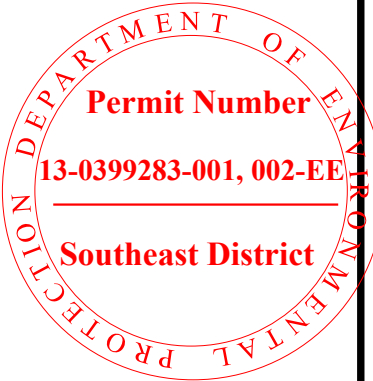
**OCEAN
CONSULTING, LLC**

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

CONTRACTOR:

PROJECT ENGINEER:

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PERMIT DRAWINGS

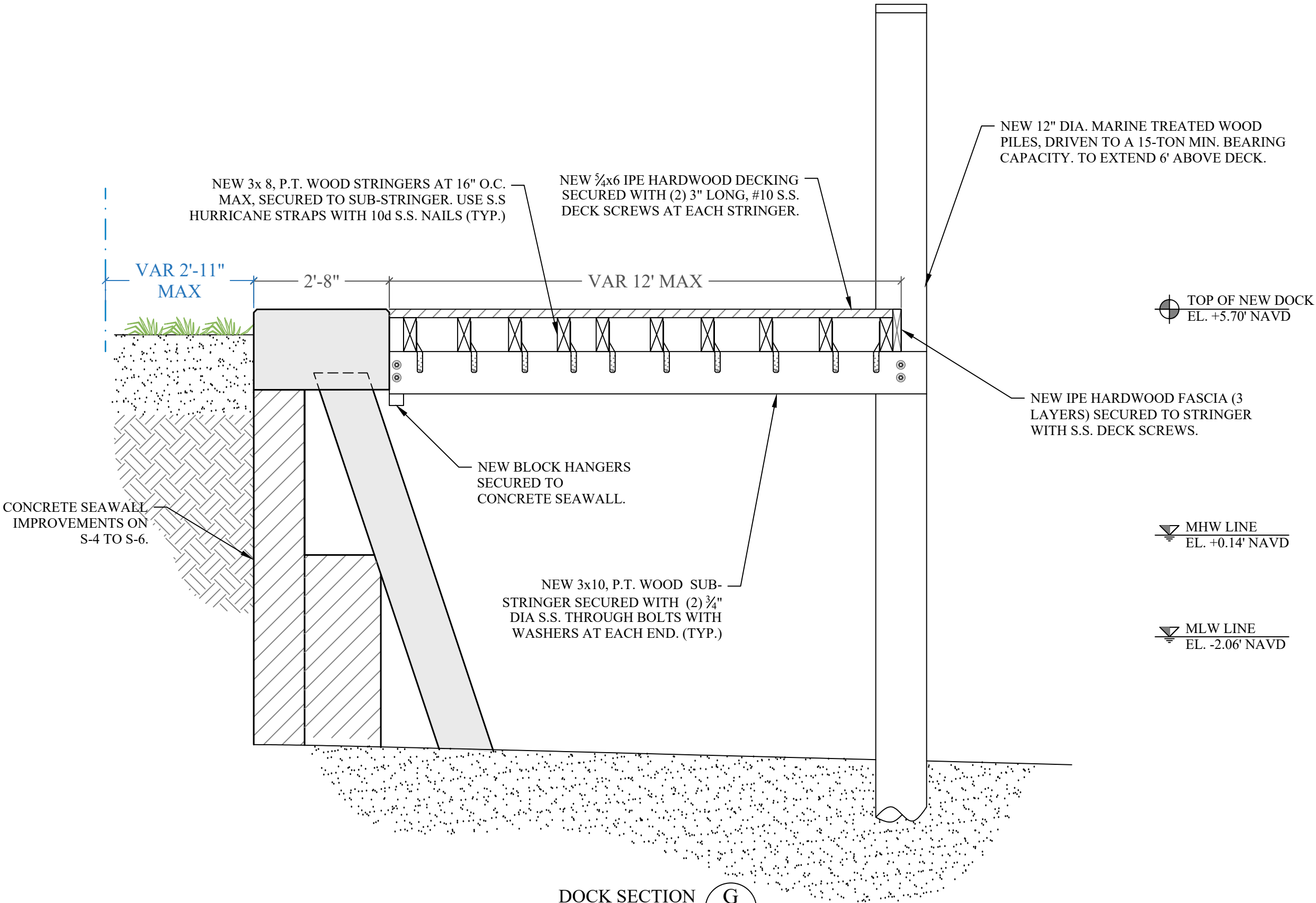
Issue #	Issue Date
①	March 10, 2021
②	March 25, 2021

PROJECT: 20-10120

DOCK SECTION

SCALE : AS SHOWN
SHEET NO.

S-8



3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
DEP PROJECT
Miami Beach, Florida

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MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

OCEAN
CONSULTING, LLC

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Coral Gables, Florida 33134
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Southeast District

PERMIT DRAWINGS

Issue # Issue Date

① March 10, 2021

② March 25, 2021

PROJECT: 20-10120

CONCRETE PILE AND
COLD JOINT DETAILS

SCALE : AS SHOWN
SHEET NO.

S-9

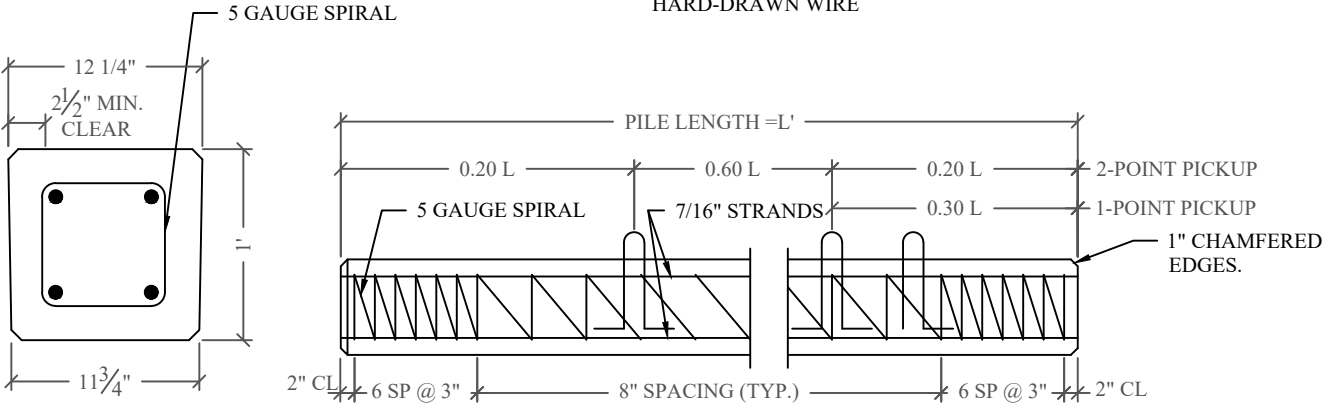
PILE NOTE:

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

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'

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



CONCRETE PILE DETAIL

SCALE: 1" = 1'-0"

10

S-9

FIBROUS JOINT FILLER
OR SIMILAR

NEW COLD CONCRETE CONTROL
JOINTS. SPACED AT 50' O.C.
ACROSS NEW SEAWALL CAP

NEW CONCRETE
SEAWALL CAP

EXISTING CONCRETE
SEAWALL.

COLD JOINT DETAIL

SCALE: 3/4" = 1'-0"

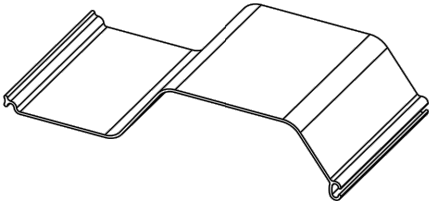
11

S-9

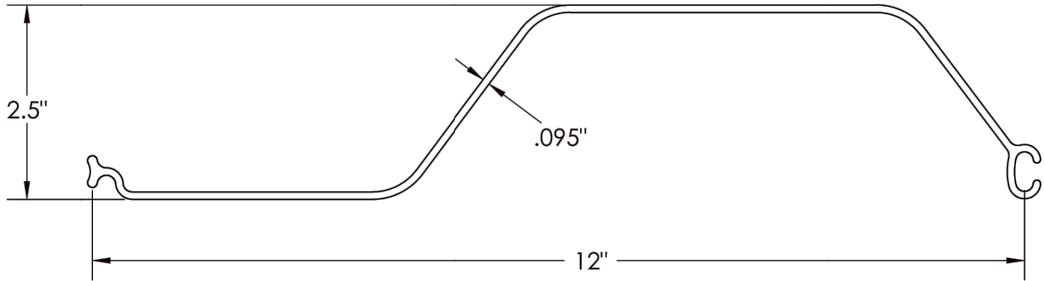


Updated January 1, 2011

AWL-3



MAX Allowable Moment (M)	1,950 ft-lb/ft	8.67 kN-m/m
Section Modulus (Z)	1.2 in ³ /ft	65 cm ³ /m
Moment of Inertia (I)	1.5 in ⁴ /ft	205 cm ⁴ /m
Thickness (t)	0.095 in	2.4 mm
Section Depth	2.5 in	64 mm
Section Width	12 in	305 mm
Design Modulus of Elasticity (E)	10 x 10 ⁶ psi	68,900 Mpa
Material	6061-T6 Marine Grade Aluminum	
Standard Colors	Mill Finish	
Profile/Patented Features	Pan Profile	



Physical properties are defined by ASTM testing standards, The Aluminum Association Design Manual, The Naval Facilities Design Manual DM 7.2, The US Army Corps of Engineers General Design Guide: PVC Sheet Pile and/or standard engineering practice. The values shown are nominal and may vary. The information found in this document is believed to be true and accurate. No warranties of any kind are made as to the suitability of any CMI product for particular applications or the results obtained there from. Crane Materials International is a Crane Building Products® company. ShoreGuard®, The ShoreGuard Seawall System™, C-Loch®, TimberGuard®, GeoGuard®, Dura Dock®, Shore-All®, GatorGate®, GatorDock Elite™, ArmorWare™, ArmorDock™, Box Profile™, UltraComposite™, Elite Wall™, Elite Panel™, Elite Fascia Panel™, Flat Panel™, XCB™, XCB Technology™, XCB Vinyl™, GatorBridgel™, Gator Aluminum™, Gator Sheet Piling™, GatorDock™, Hearn Lock™, Textured Sheet™, Crane Materials International™ logo, CMI Sheet Piling Solutions™, Aqua Terra System™, Endurance™, Endurance CSPTM, Polarist™, Eclipse™, GridSpine™, 21 Poly™, PileClaw™, SheerScape™, SheerScape Retaining Wall System™, Sheer Panel™ and CMI Waterfront Solutions™ are trademarks, service marks or trade names of Crane Materials International. United States and International Patent numbers 4,674,921; 4,690,588; 5,292,208; 5,145,287; 6,000,883; 6,033,155; 6,033,666; D420,154; 6,575,667; 7,059,807; 7,056,046; 7,025,539; 7,393,482; 5,503,503; 5,803,672; 6,231,271; 1,245,061 CA and other patents pending. © 2011 Crane Materials International. All Rights Reserved.

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4501 Circle 75 Parkway, Suite E-5370 Atlanta, GA 30339 USA Phone 866-730-9210 INTL 001-770-933-8148 Fax 770-933-8363