

LOCATION MAP AND LEGAL DESCRIPTION



PROJECT SITE LOCATION:
544 Lakeview Court
Miami Beach, Florida, 33140

LATITUDE: 25 DEG 49'24.07"N
LONGITUDE: 80 DEG 7'38.23"W

FOLIO No.: 02-3223-012-0010

PROJECT LEGAL DESCRIPTION:
SURPRISE POINT PB 43-77

LOTS 1 & 2

LOT SIZE 39496 SQUARE FEET
COC 23024-4330/32 01 2005 4

- GENERAL NOTES:**
1. ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
 2. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.
 3. 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.
 4. 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.
 5. APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE 2017 EDITION (AND CURRENT ADDENDUMS).
 6. 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.
 7. DO NOT SCALE DRAWINGS FOR DIMENSIONS.
 8. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK.
 9. CONTRACTOR TO PROPERLY FENCE AND SECURE AREA WITH BARRICADES.
 10. ANY DEVIATION AND/OR SUBSTITUTION FROM THE INFORMATION PROVIDED HEREIN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
 11. ALL NEW MATERIALS AND/OR PATCHWORK SHALL BE PROVIDED TO MATCH EXISTING MATERIALS AND/OR LICENSED CONTRACTOR SHALL USE ALL POSSIBLE CARE TO PROTECT ALL EXISTING MATERIALS, SURFACES, AND FINISHINGS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
 12. THE LICENSED CONTRACTOR TO INSTALL AND REMOVE ALL SHORING AND BRACING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
 13. ALL NEW WORK AND/OR MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF EACH ADMINISTRATIVE BODY HAVING JURISDICTION IN EACH PERTAINING CIRCUMSTANCE.
 14. THE CONTRACTOR WILL EMPLOY AND MAINTAIN ADEQUATE SEDIMENT AND EROSION CONTROL MEASURES TO PROTECT BISCAYNE BAY FROM SEDIMENT AND CONSTRUCTION DEBRIS.
- DOCK: LL 60 PSF**
- BOLTS**
1. ALL BOLTS SHALL BE 316 STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- WOOD**
1. PRIMARY WOOD FRAMING MEMBERS SHALL BE NUMBER 1 PRESSURE TREATED MARINE GRADE SOUTHERN PINE OR BETTER.
 2. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.

PRELIMINARY APPROVAL
 PRELIMINARY APPROVAL
 NAME: [Signature]
 DATE: 2/26/19
 CL 2018-0444

CONCRETE

1. 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.
2. OWNER SHALL EMPLOY AND PAY FOR TESTING SERVICES FROM AN INDEPENDENT TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE W/ ASTM.
3. LICENSED CONTRACTOR IS RESPONSIBLE FOR THE ADEQUACY OF FORMS AND SHORING AND FOR SAFE PRACTICE IN THEIR USE AND REMOVAL.
4. CONCRETE COVER SHALL BE 3" UNLESS OTHERWISE NOTED ON APPROVED DRAWINGS.
5. 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.
6. 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

1. PILE DRIVING OPERATIONS SHALL BE OBSERVED BY A SPECIAL INSPECTOR, INCLUDING TEST PILES SUFFICIENT TO DETERMINE THE APPROXIMATE LENGTH REQUIRED TO MEET DESIGN CAPACITY.
2. PILES SHALL BE DRIVEN USING AN APPROVED CUSHION BLOCK CONSISTING OF MATERIAL SO ARRANGED SO AS TO PROVIDE THE TRANSMISSION OF THE HAMMER ENERGY.
3. PILES SHALL BE DRIVEN TO REQUIRED CAPACITY A MIN 12 INTO BERM.
4. 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.
5. 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".
6. 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.

LAZENBY DOCK MODIFICATION & SEAWALL REPAIR PROJECT
CLIENT:
 MR. MATTHEW LAZENBY
 544 Lakeview Ct, Miami Beach, FL 33140

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

PROJECT ENGINEER:
DYNAMIC ENGINEERING SOLUTIONS, INC.
 351 S. Cypress Road, Suite 303
 Pompano Beach, FL 33060
 Tel: (954) 545-1740
 Fax: (954) 545-1721

SEAL / SIGNATURE / DATE



PERMIT DRAWINGS

Issue # Issue Date
 ① January 31, 2019

PROJECT: 15-4755

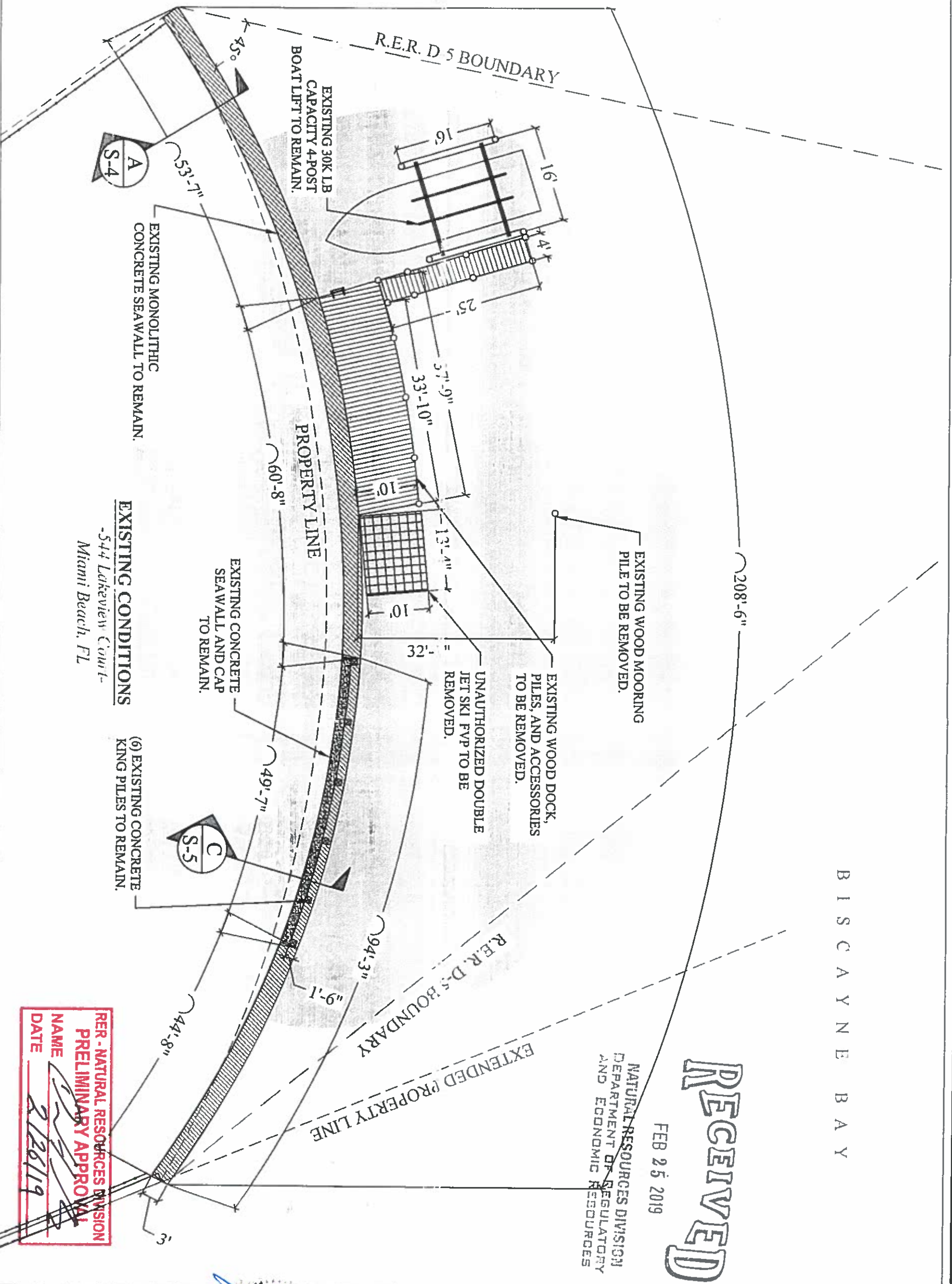
PROJECT LOCATION & NOTES

SCALE: AS SHOWN
 SHEET NO.

S-1

B I S C A Y N E B A Y

RECEIVED
 FEB 25 2019
 NATURAL RESOURCES DIVISION
 DEPARTMENT OF REGULATORY
 AND ECONOMIC RESOURCES



EXISTING CONDITIONS
 -544 Lakeview Court
 Miami Beach, FL

**RER - NATURAL RESOURCES DIVISION
 PRELIMINARY APPROVAL**
 NAME: [Signature]
 DATE: 2/26/19



**LAZENBY DOCK
 MODIFICATION &
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CLIENT:
 Miami Beach, Florida

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 33140

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 Pompano Beach, FL 33060
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SEAL / SIGNATURE / DATE

APPLICANT:
 [Signature]
 [Stamp: APPROVED FOR PERMITTING, FEB 26 2019]

PERMIT DRAWINGS

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 ① January 31, 2019

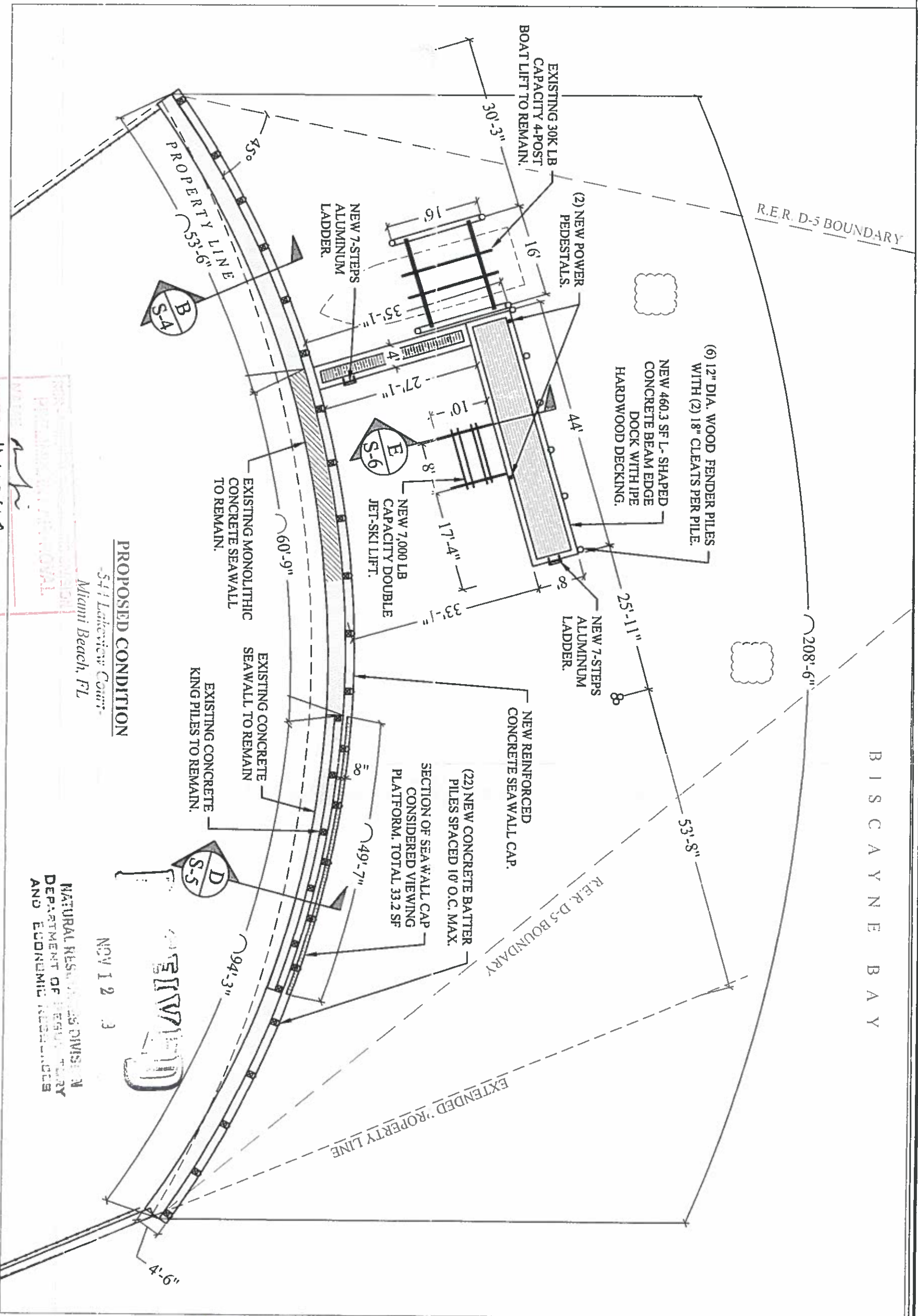
PROJECT: 15-4755

EXISTING CONDITIONS

SCALE: AS SHOWN
 SHEET NO.

S-2

B I S C A Y N E B A Y



LAZENBY DOCK MODIFICATION & SEAWALL REPAIR PROJECT

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PERMIT DRAWINGS

Issue # Issue Date
① October 31, 2019

PROJECT: 15-4755

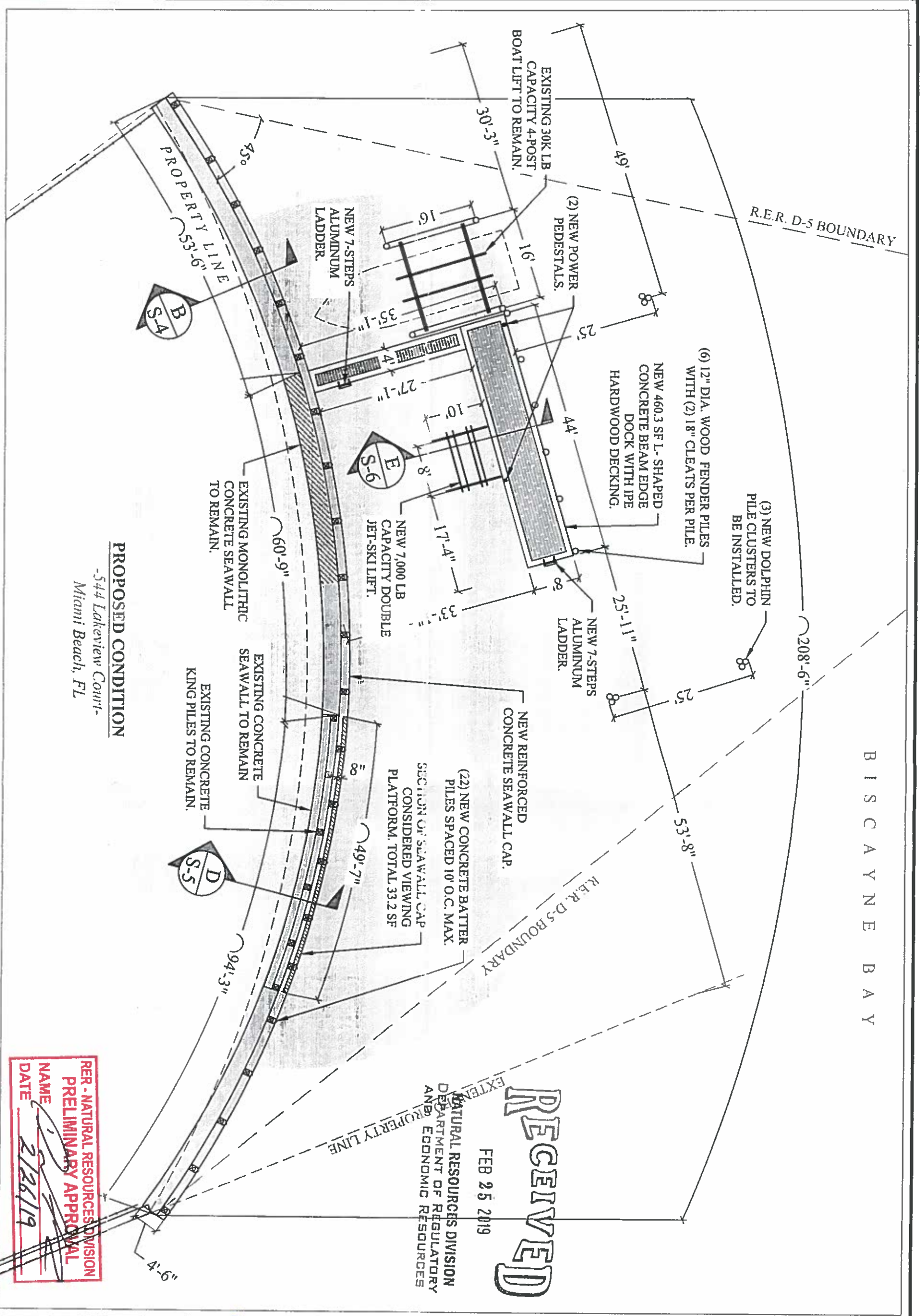
PROPOSED CONDITION

SCALE: AS SHOWN
SHEET NO.

S-3



B I S C A Y N E B A Y



PROPOSED CONDITION

-544 Lakeview Court-
Miami Beach, FL

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NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES

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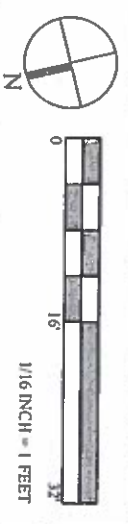
John Omislaert
PE 52733, CA 26829

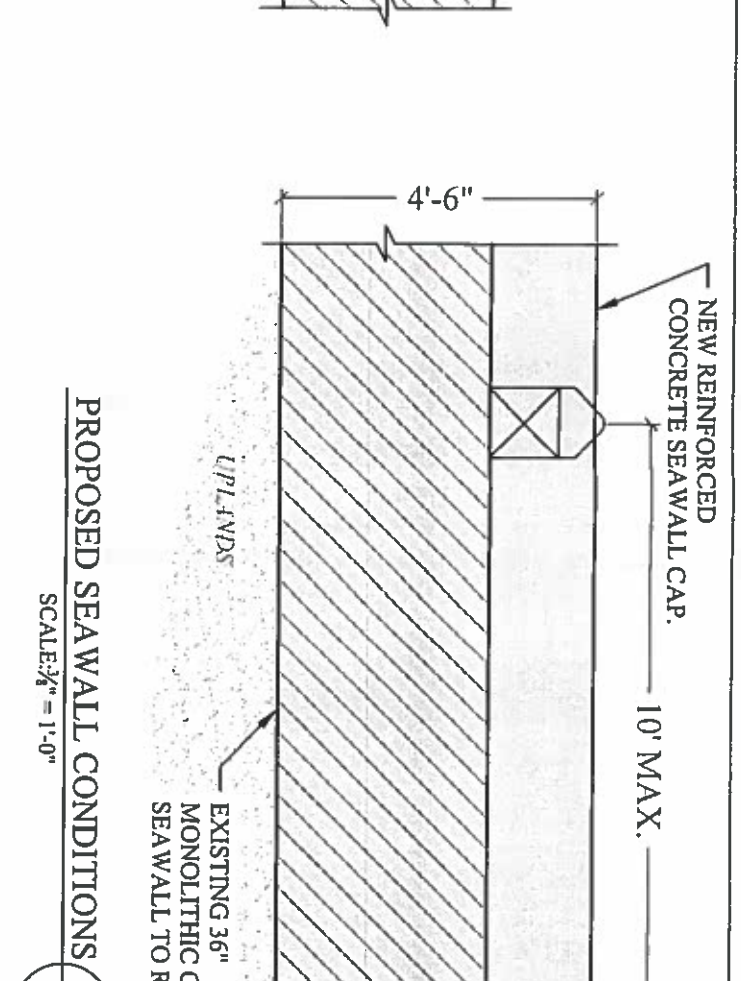
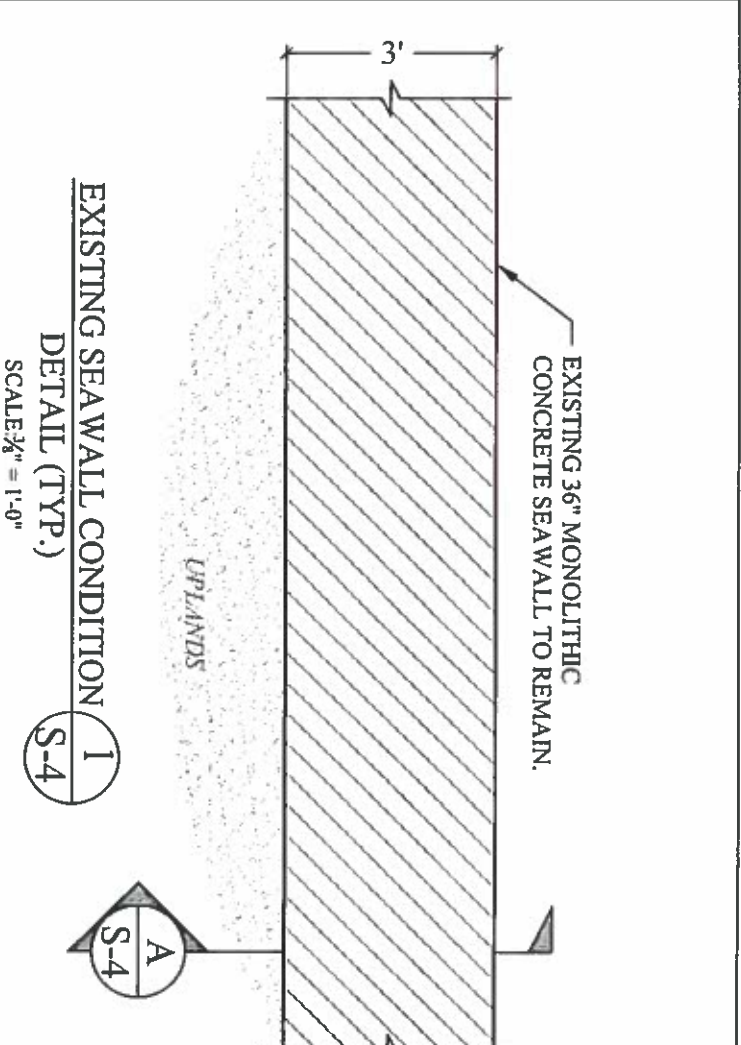
PERMIT DRAWINGS
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① January 31, 2019
PROJECT: 15-4755

PROPOSED CONDITION

SCALE: AS SHOWN
SHEET NO.
S-3

PER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME
DATE 2/26/19





LAZENBY DOCK MODIFICATION & SEAWALL REPAIR PROJECT

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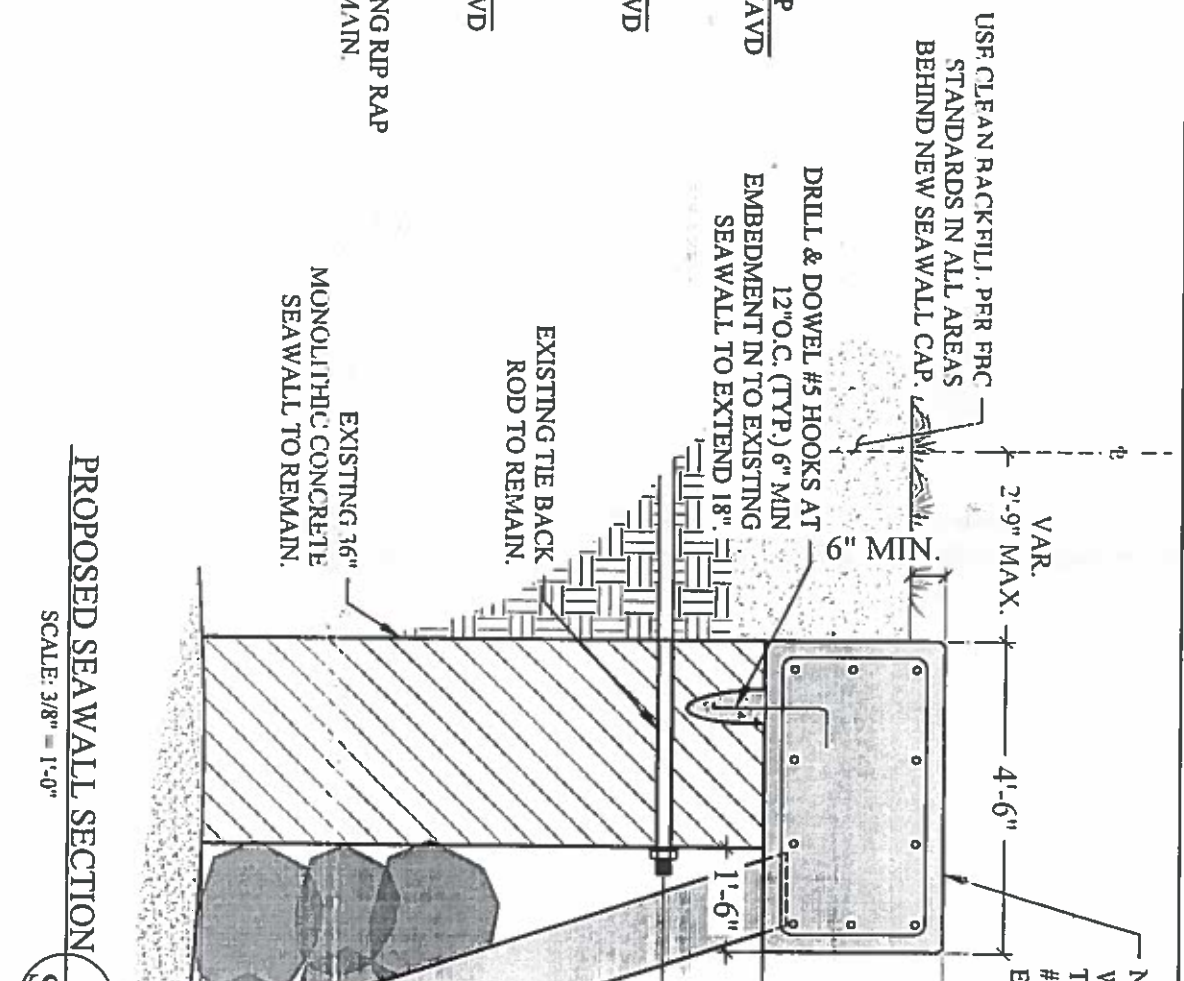
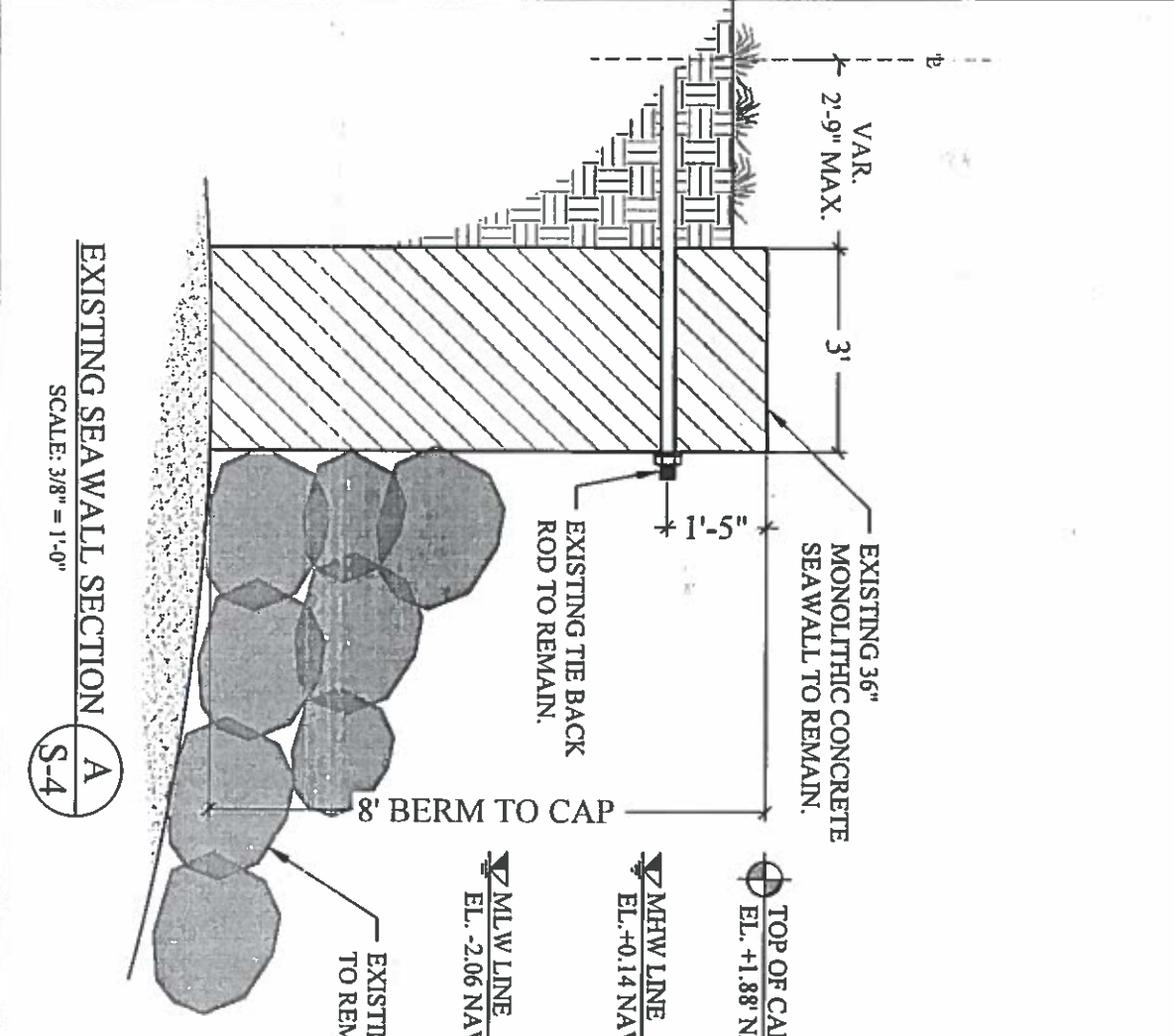
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PERMIT DRAWINGS

Issue # Issue Date
① January 31, 2019

PROJECT: 15-4755

SEA WALL DETAILS AND SECTIONS

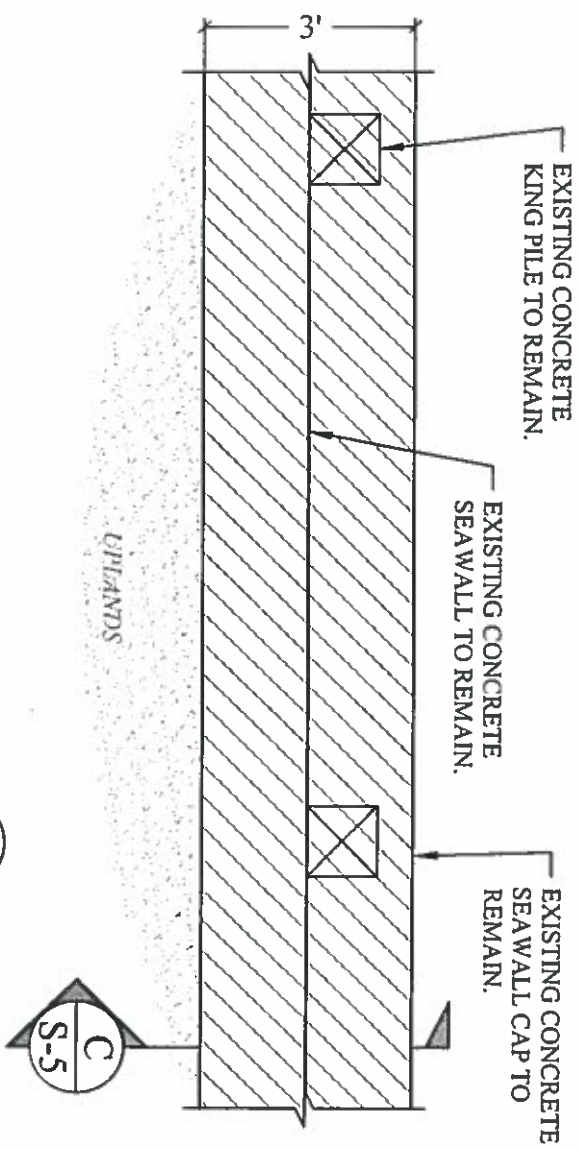
SCALE: AS SHOWN

S-4

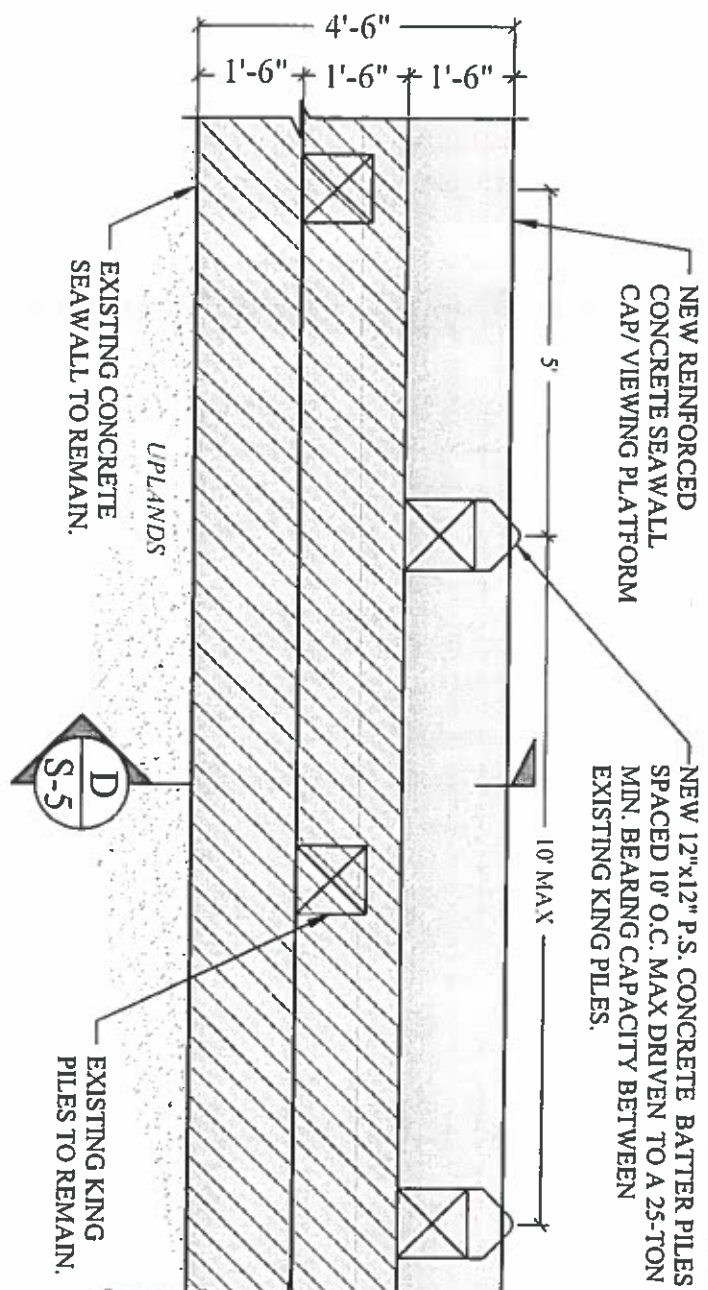
DATE: 2/26/19

PRELIMINARY APPROVAL

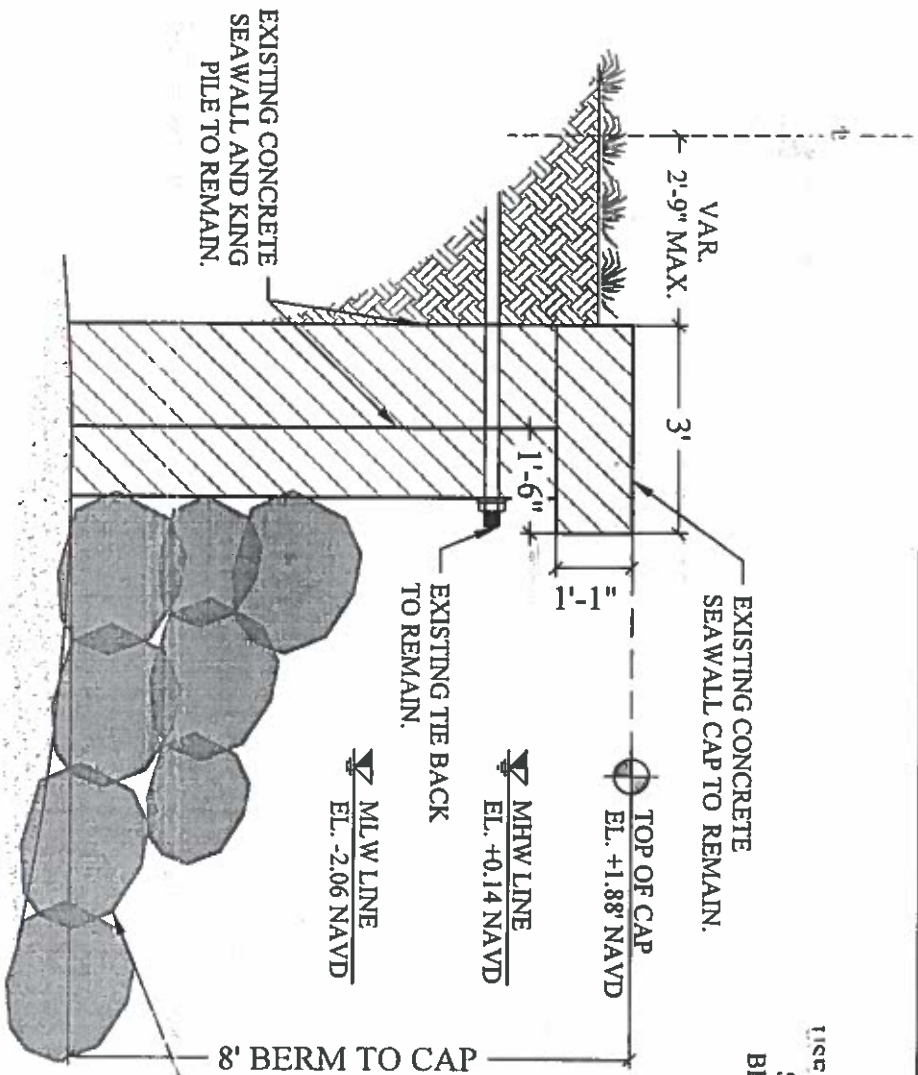
NATURAL RESOURCES DIVISION



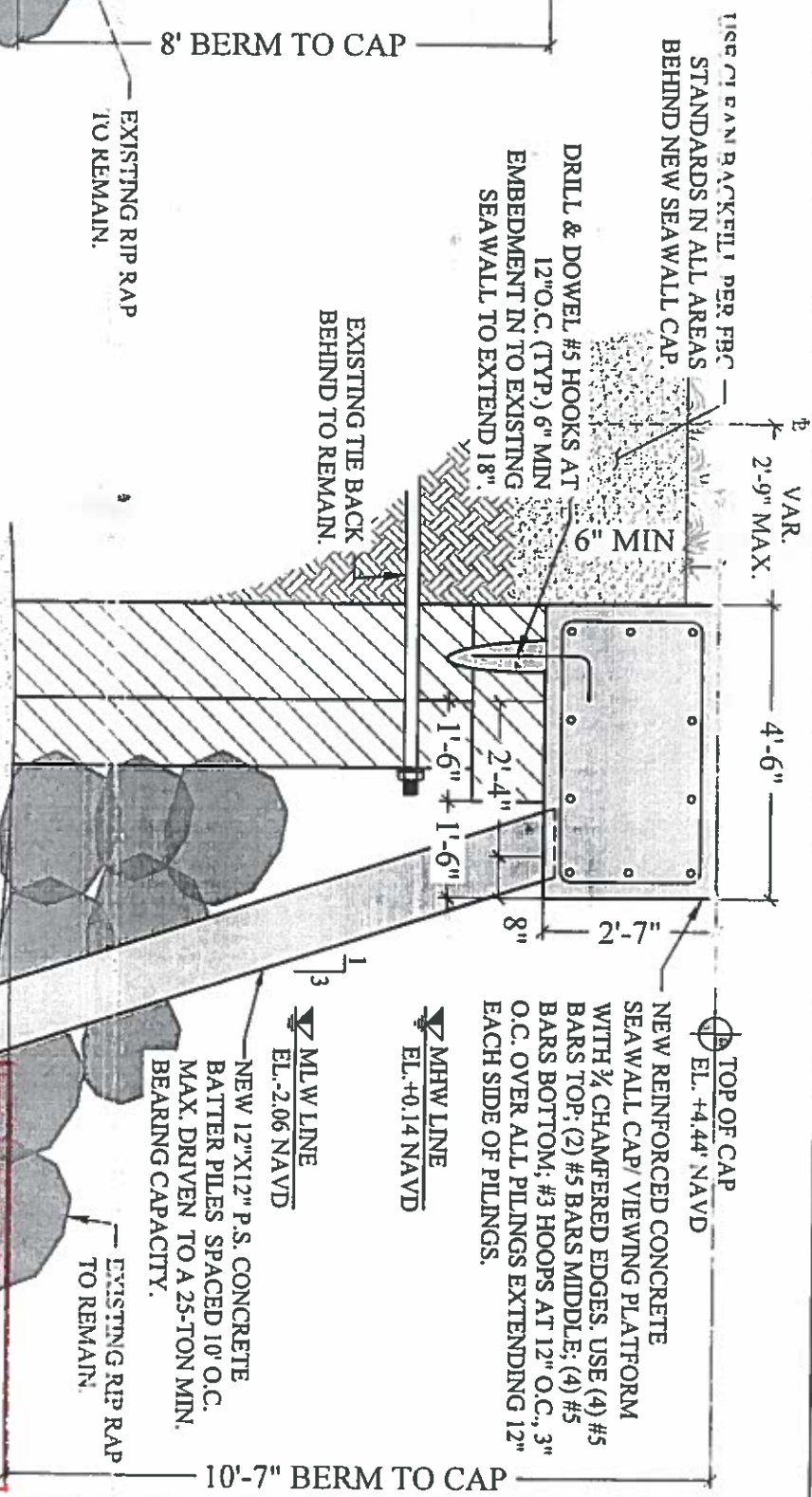
EXISTING SEAWALL CONDITION
DETAIL (TYP.) **3**
SCALE: 3/8" = 1'-0"



PROPOSED SEAWALL CONDITION
DETAIL (TYP.) **4**
SCALE: 3/8" = 1'-0"



EXISTING SEAWALL SECTION (TYP.) **C**
SCALE: 3/8" = 1'-0"



PROPOSED SEAWALL SECTION (TYP.) **D**
SCALE: 3/8" = 1'-0"

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NATURAL RESOURCES DIVISION
DEPARTMENT OF ENVIRONMENTAL
REGULATION AND CONSERVATION

DYNAMIC ENGINEERING
SOLUTIONS, INC.
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SEAL / SIGNATURE / DATE

John Ohlsack
PE 52733, CA 26829

PERMIT DRAWINGS

Issue # Issue Date

1 January 31, 2019

PROJECT: 15-4755

SEAWALL DETAILS
AND SECTIONS

SCALE: AS SHOWN
SHEET NO.

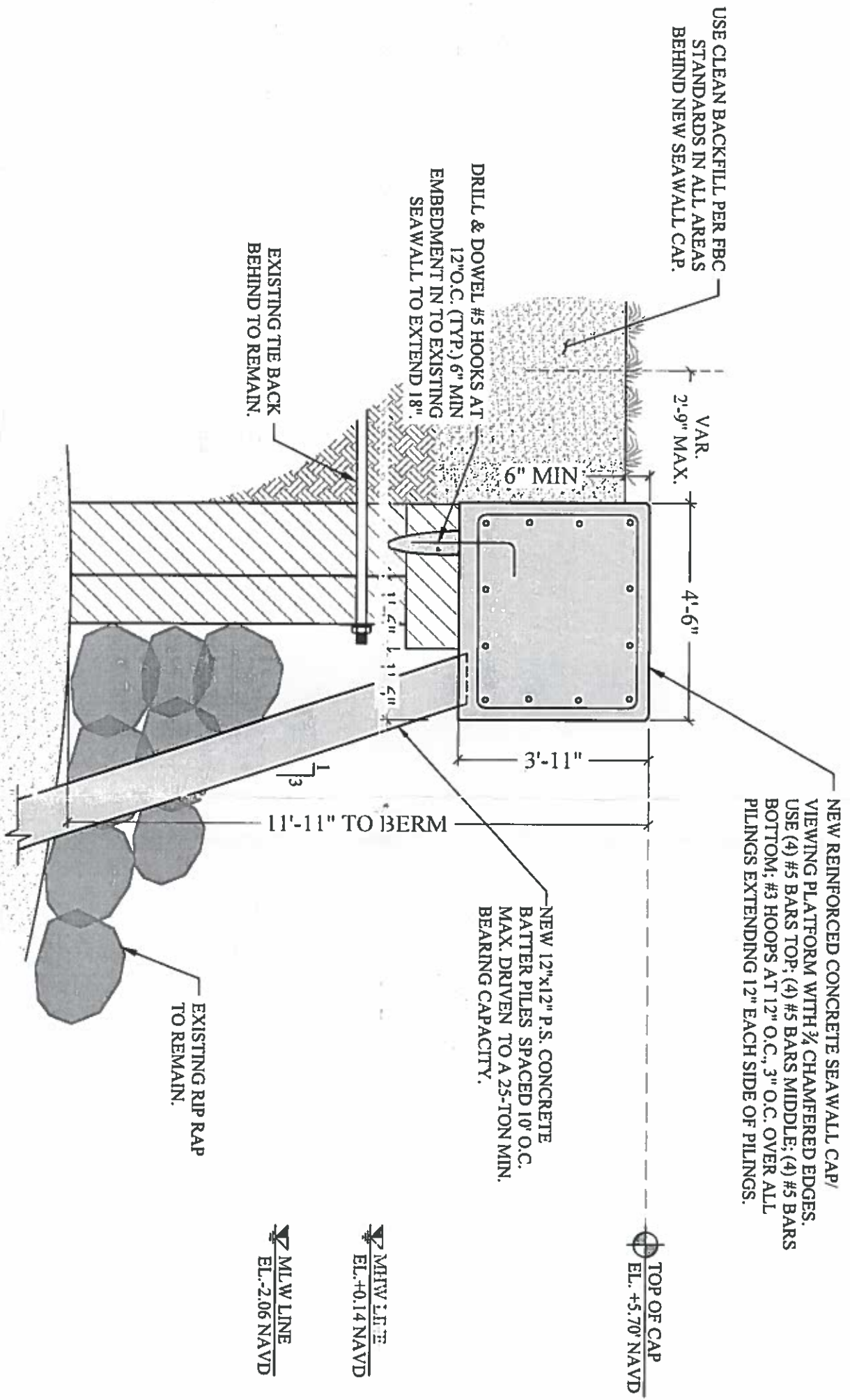
S-5

**LAZENBY DOCK
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Miami Beach, Florida
MR. MATTHEW LAZENBY
544 Lakeview Ct, Miami Beach, FL
33140
ENVIRONMENTAL CONSULTANT

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PER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME: [Signature]
DATE: 2/26/19

NOTE:
 THE FOUNDATION OF THE SEAWALL HAS BEEN DESIGNED TO STRUCTURALLY ACCOUNT FOR THE CONSTRUCTION OF A WALL W/ TOP OF CAP ELEVATION UP TO 5.70' NAVD.



FUTURE PROPOSED SEAWALL SECTION (TYP.)

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

1
S-5A

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 AND ECONOMIC RESOURCES

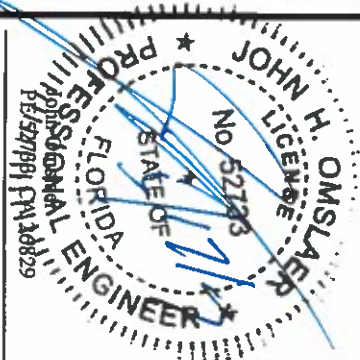
**LAZENBY DOCK
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PERMIT DRAWINGS

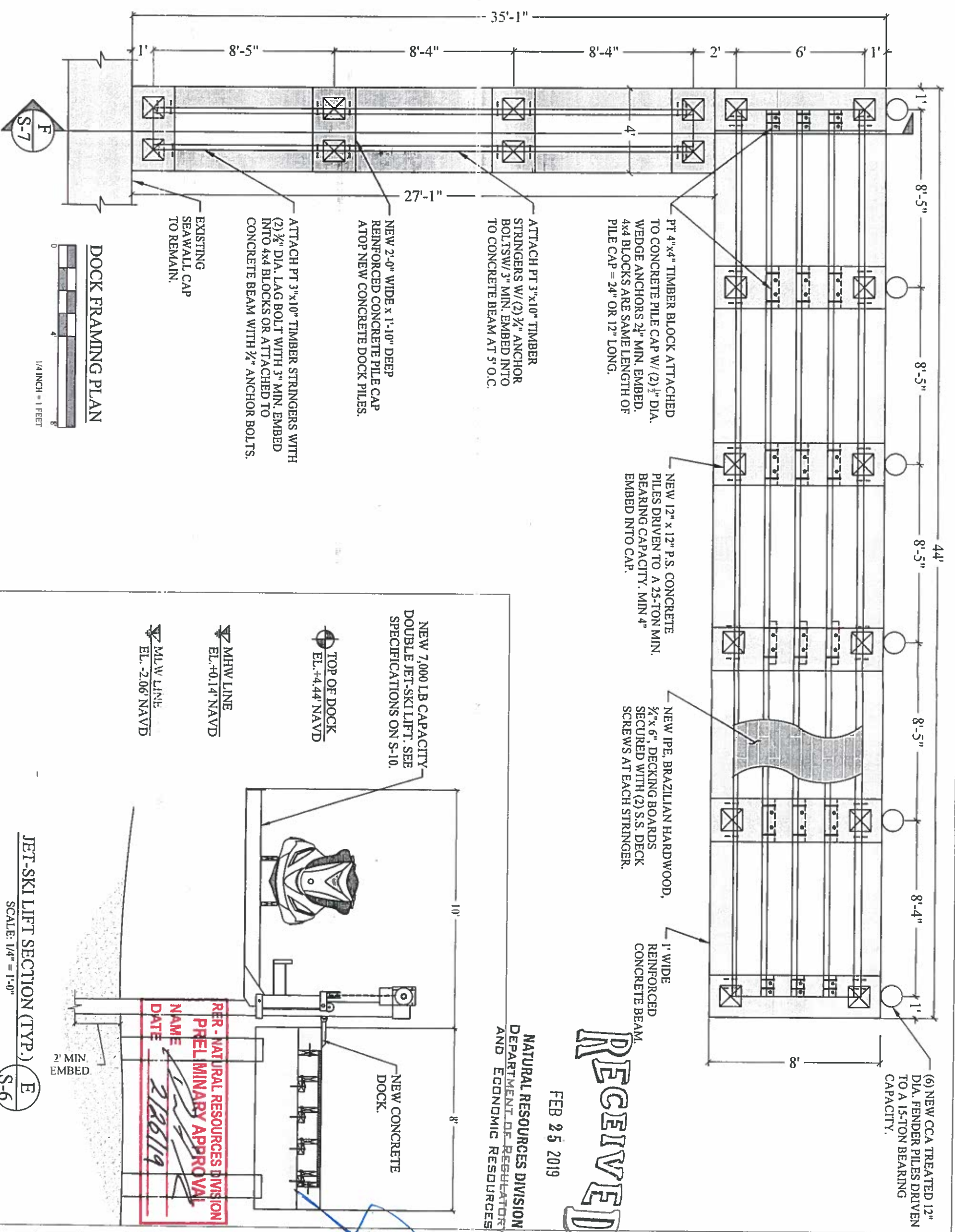
Issue # Issue Date
 ① May 14, 2019

PROJECT: 15-4755

FUTURE PROPOSED CAP
 EL. +5.7' NAVD

SCALE: AS SHOWN

SHEET NO.
S-5A



DOCK FRAMING PLAN

1/4 INCH = 1 FEET

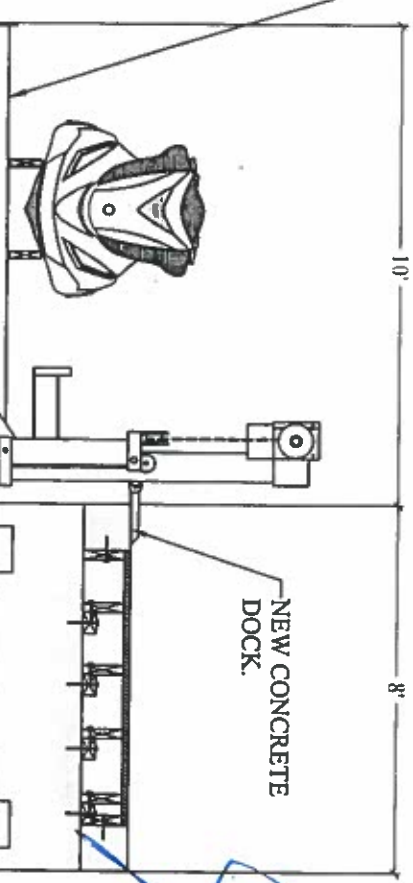


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NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATOR
AND ECONOMIC RESOURCES

PER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME: [Signature]
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JET-SKI LIFT SECTION (TYP.)

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



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John Omstler
PE 52733, CA 26829

PERMIT DRAWINGS

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PROJECT: 15-4755

DOCK FRAMING PLAN

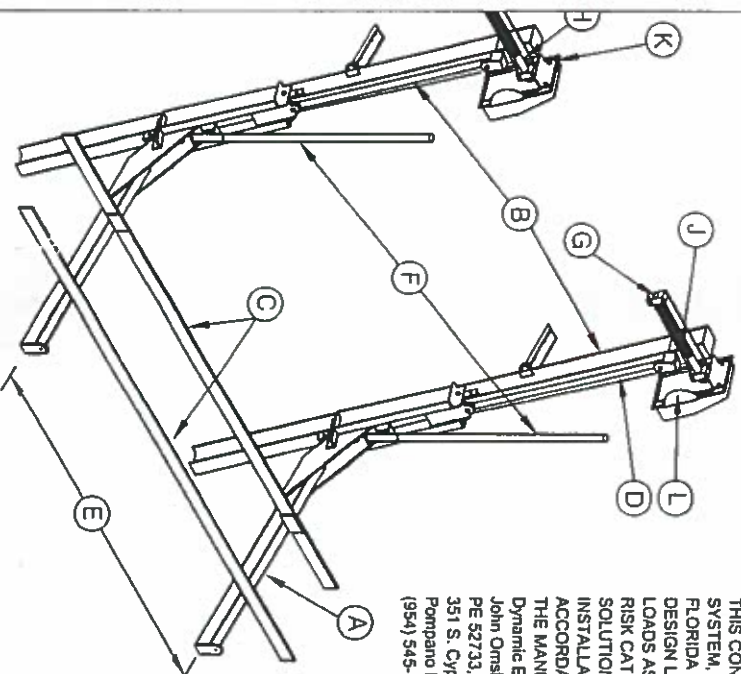
SCALE: AS SHOWN
SHEET NO.

S-6

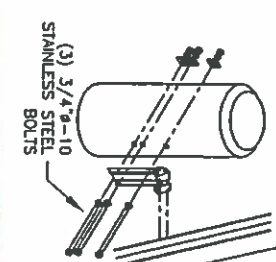
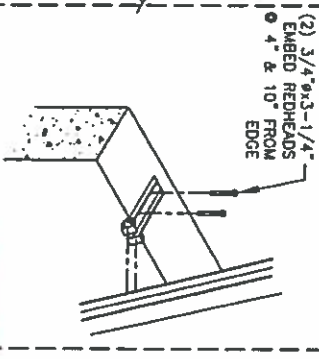
GOLDEN ENGINEERED ELEVATOR LIFT SPECIFICATIONS

THIS CONSTRUCTION HAS BEEN DESIGNED AS A MAIN WIND FORCE RESISTING SYSTEM, WITH CALCULATED GRAVITY AND WIND LOADS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2014, SECT. 1609, ADM 2005, AND ASCE 7-10. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 175 MPH, EXPOSURE 'C'. RISK CATEGORY = II AND DESIGN PRESSURE IS 45 PSF. DYNAMIC ENGINEERING SOLUTIONS HAS NO CONTROL OF THE MANUFACTURING, PERFORMANCE OR INSTALLATION OF THIS PRODUCT. THESE GENERIC PLANS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND DATA PROVIDED BY THE MANUFACTURER.

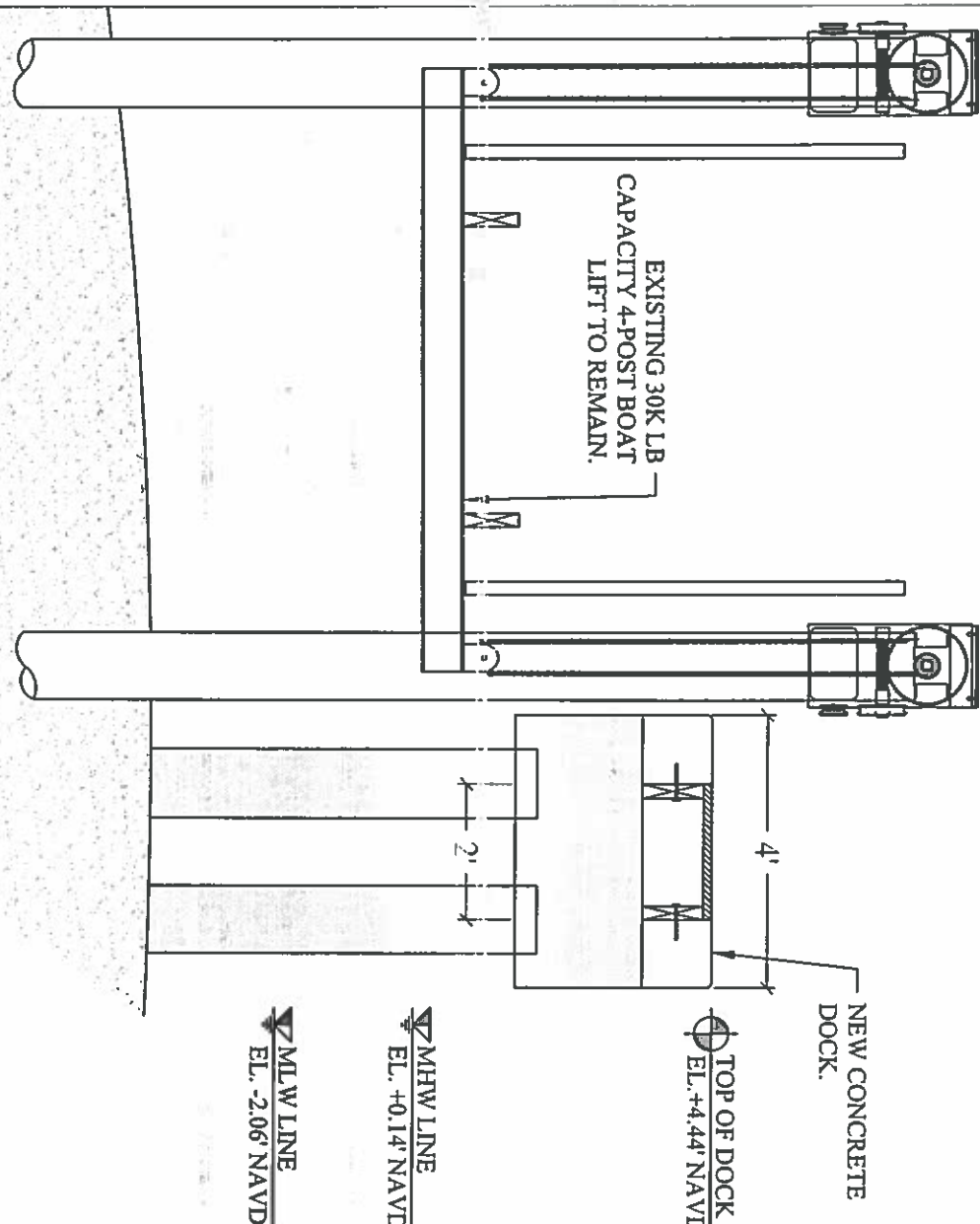
Dynamic Engineering Solutions, Inc.
 John Omisler
 PE 52723, CA 26829
 351 S. Cypress Road, Suite 303
 Pompano Beach, FL 33060
 (954) 545-1740 Fax: (954) 545-1721



INCLINE MOUNT OR VERTICAL MOUNT



PRELIMINARY APPROVAL
 NAME: [Signature]
 DATE: 2/26/19



4-POST BOAT LIFT SECTION
 SCALE: 3/8" = 1'-0"
 I
 S-9

LIFT CAPACITY	CRADLE I-BEAM	TRACK I-BEAM	BUNK BOARDS FEET	CABLE SIZE	TRACK SPREAD	GUIDE POST HEIGHT	BRGS	DRIVE SHAFT	WINDER DIA	GEAR RATIO	MOTOR HP/VOLTAGAGE	INCHES OF LIFT PER MIN.
3,000#	(2) 8H x 18 4" LG @ 6.19#/FT	(2) 8H x 23 3" LG @ 6.19#/FT	(2) 2 x 8 1 1/4" CARPENTERED SAWN	(2) 5/16" x 20 S.S. 2 PART	THRU 10"	8"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 148" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 3/4 HP 120V/20A 240V/10A	13 1/2"
5,000#	(2) 8H x 23 4" LG @ 6.19#/FT	(2) 8H x 25 3" LG @ 7.02#/FT	(2) 2 x 8 1 1/4" CARPENTERED SAWN	(2) 5/16" x 20 S.S. 2 PART	THRU 10"	8"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 148" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 3/4 HP 120V/20A 240V/10A	13 1/2"
7,000#	(2) 8H x 23 4" LG @ 6.19#/FT	(2) 8H x 25 3" LG @ 7.02#/FT	(2) 2 x 8 1 1/4" CARPENTERED SAWN	(2) 5/16" x 20 S.S. 2 PART	THRU 10"	8"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 148" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 3/4 HP 120V/20A 240V/10A	13 1/2"
10,000#	(2) 9H x 27 5" LG @ 8.36#/FT	(2) 9H x 27 5" LG @ 8.36#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(2) 3/8" x 30 S.S. 4 PART	THRU 14"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 1 HP 120V/20A 240V/10A	9"
12,000#	(2) 10H x 25 6" LG @ 8.65#/FT	(2) 10H x 25 6" LG @ 8.65#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(2) 3/8" x 30 S.S. 4 PART	THRU 14"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 1 HP 120V/20A 240V/10A	9"
15,000#	(2) 12H x 29 7" LG @ 11.79#/FT	(2) 10H x 29 5" LG @ 10.31#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(2) 3/8" x 30 S.S. 4 PART	THRU 14"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 1 HP 120V/20A 240V/10A	9"
17,000#	(2) 12H x 29 7" LG @ 11.79#/FT	(2) 10H x 29 5" LG @ 10.31#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(2) 3/8" x 30 S.S. 4 PART	THRU 14"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 1 HP 120V/20A 240V/10A	9"
20,000#	(2) 12H x 31 7" LG @ 14.27#/FT	(2) 10H x 31 5" LG @ 12.77#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(2) 3/8" x 30 S.S. 4 PART	THRU 14"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 1 HP 120V/20A 240V/10A	9"
24,000#	(4) 10H x 29 5" LG @ 10.31#/FT	(4) 10H x 29 5" LG @ 10.31#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(4) 3/8" x 30 S.S. 4 PART	THRU 18"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 2 HP 120V/20A 240V/10A	6.75"
30,000#	(4) 12H x 31 7" LG @ 14.27#/FT	(4) 12H x 31 7" LG @ 14.27#/FT	(2) 3 x 10 1 1/2" CARPENTERED SAWN	(4) 3/8" x 30 S.S. 4 PART	THRU 18"	120"	(4) 2" EXTRUDED 6061-T6 ALUM	(2) 1 900" O.D. x 165" WALL GALVANIZED HSS	(2) 2 1/2" SCHEDULE 80 ALUM PIPE	48:1	(2) 2 HP 120V/20A 240V/10A	6.75"

Golden Manufacturing, Inc. 17611 East Street, North Fort Myers, FL 33917 Puh. 0810

LAZENBY DOCK MODIFICATION & SEAWALL REPAIR PROJECT
 CLIENT: Miami Beach, Florida
MR. MATTHEW LAZENBY
 544 Lakeview Ct. Miami Beach, FL 33140
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 CONTRACTOR

APPROVED
 FEB 25 2019
 NATURAL RESOURCES DIVISION
 DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
 PROJECT ENGINEER: DYNAMIC ENGINEERING SOLUTIONS, INC.
 351 S. Cypress Road, Suite 303
 Pompano Beach, FL 33060
 Tel: (954) 545-1740
 Fax: (954) 545-1721
 SEAL / SIGNATURE / DATE

PERMIT DRAWINGS
 Issue # Issue Date
 1 January 31, 2019

John Omisler
 PE 52723, CA 26829

PROJECT: 15-4755
 4-POST BOAT LIFT SECTION AND JET-SKI BOAT LIFT SPECIFICATIONS
 SCALE: AS SHOWN
 SHEET NO.

S-9