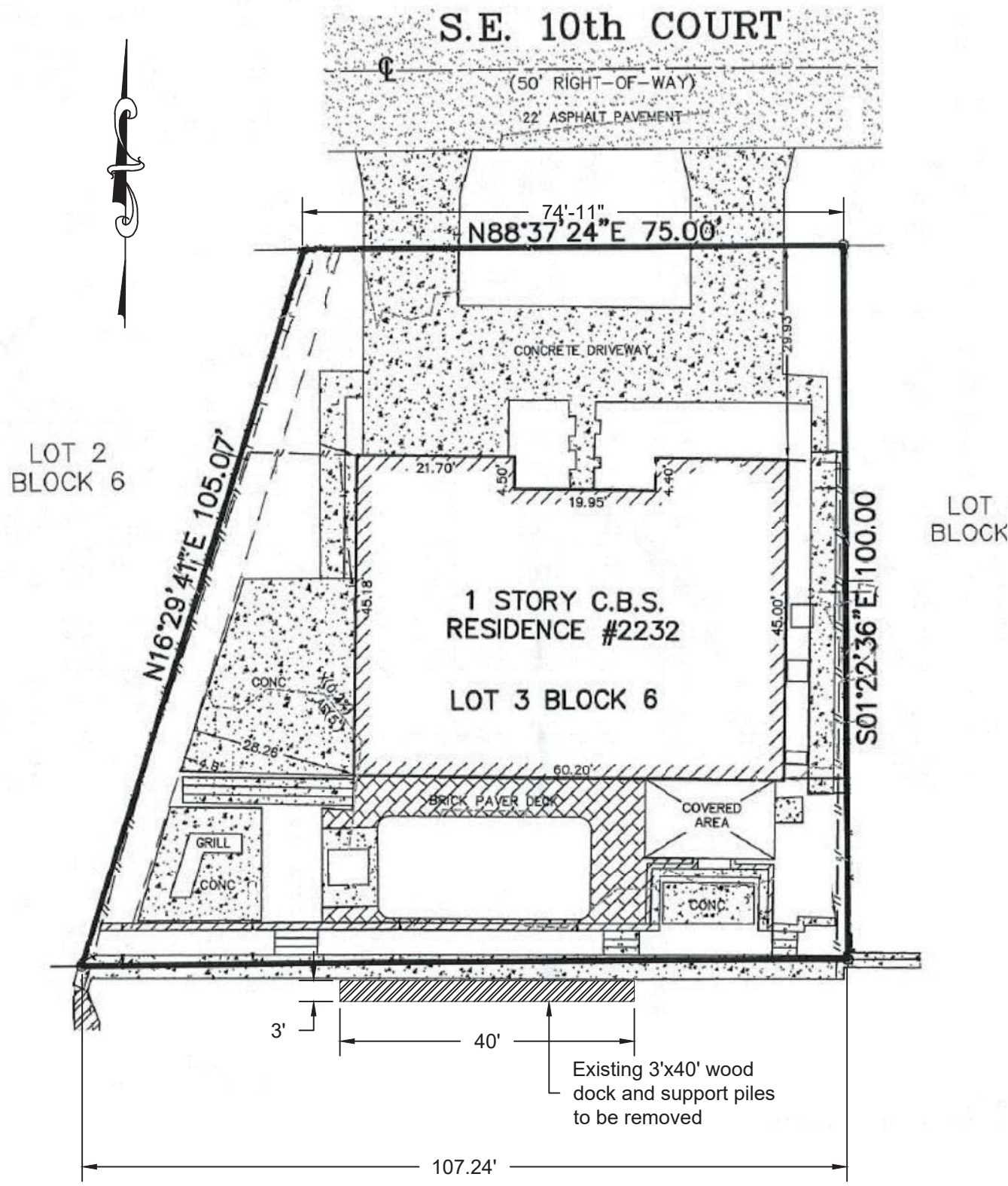


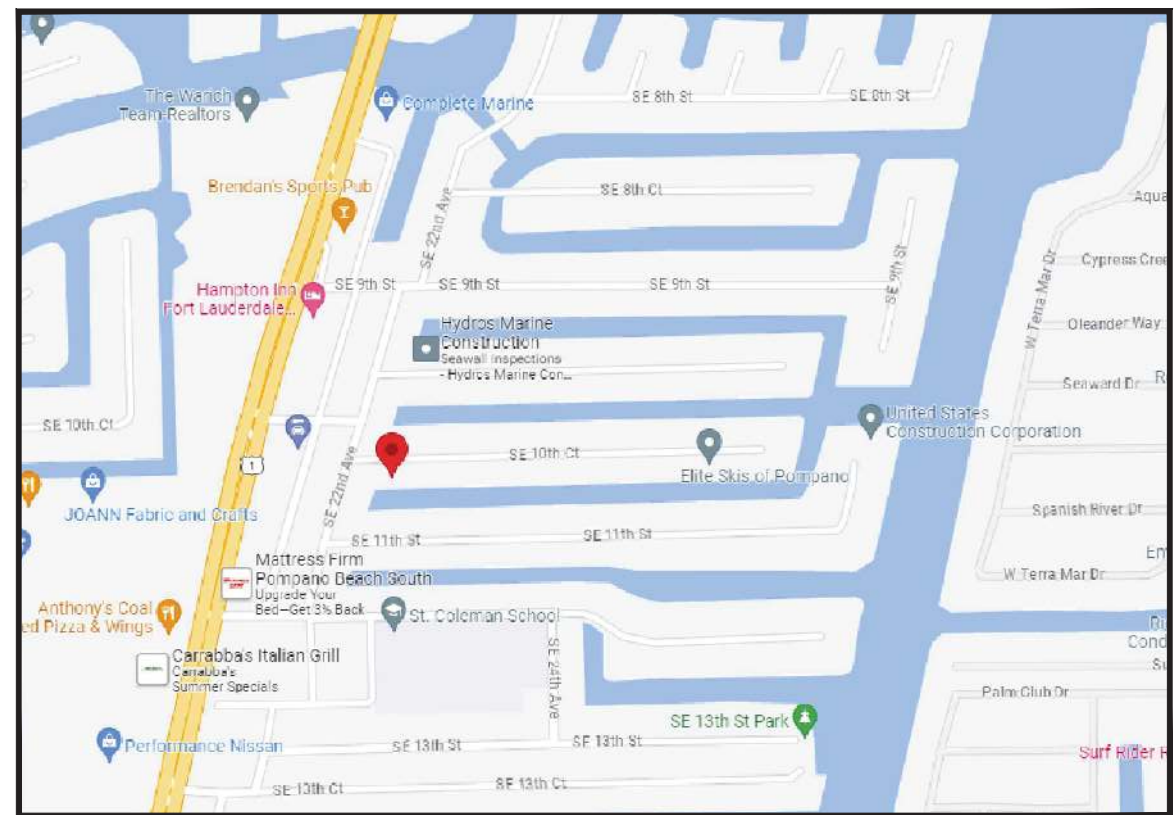
See attached survey supplied by owner for exact property information.



**Proposed Site Plan**

Scale: 1" = 20'

**CANAL - 80' R/W**



**Location Map**

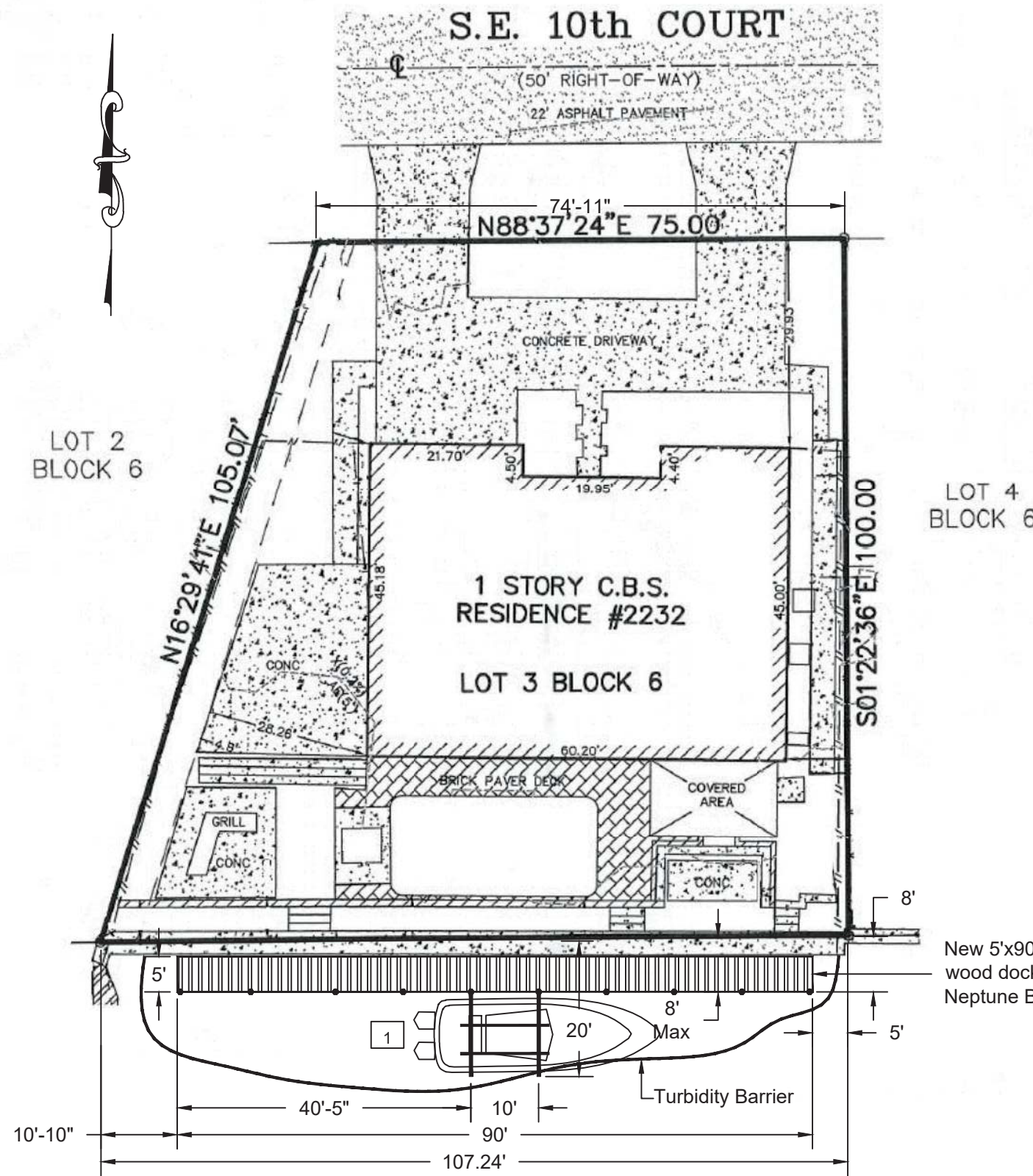
<b>Site Address</b>	2232 SE 10 COURT, POMPANO BEACH FL 33062	<b>ID #</b>	4943 06 14 0390
<b>Property Owner</b>	CHAPLIK, IGOR	<b>Millage</b>	1511
<b>Mailing Address</b>	2232 SE 10 CT POMPANO BEACH FL 33062	<b>Use</b>	01-01
<b>Abbreviated Legal Description</b>	POMPANO ISLES SEC B 31-8 B LOT 3 BLK 6		

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**MORRISON CONTRACTORS INC**  
 3000 SW 26 Terrace  
 Dania Beach, FL 33312  
 (954) 583-8500

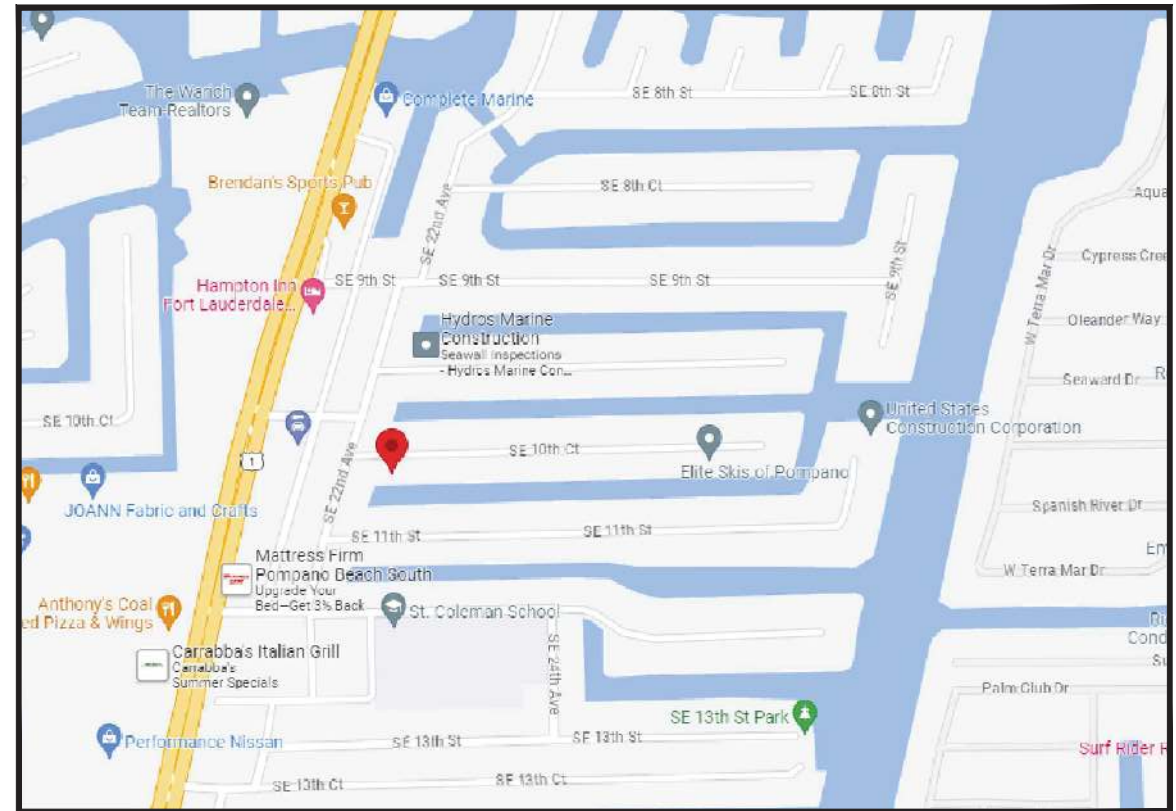
Project:  
**Proposed Dock and Boat Lift**  
 Dr. Igor Chaplik  
 2232 SE 10 Court  
 Pompano Beach, Florida 33062

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See attached survey supplied by owner for exact property information.



**Proposed Site Plan**  
Scale: 1" = 20'  
**CANAL - 80' R/W**



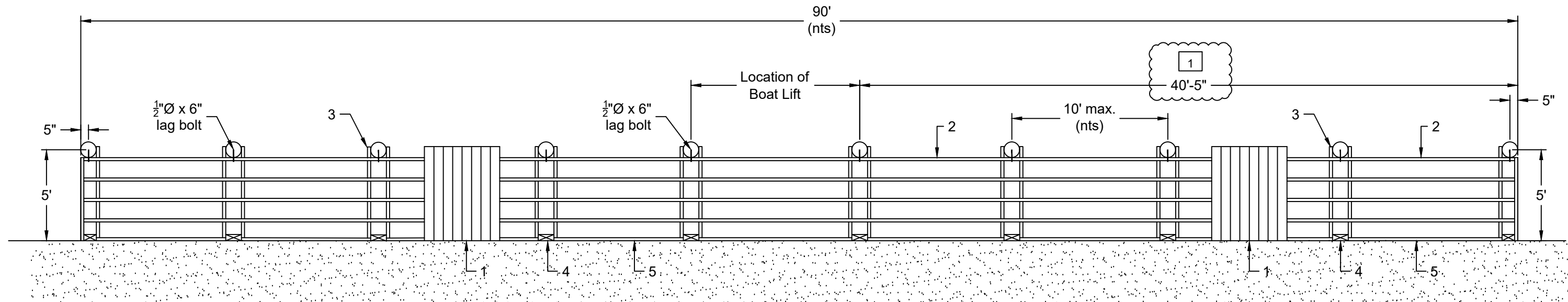
**Location Map**

<b>Site Address</b>	2232 SE 10 COURT, POMPANO BEACH FL 33062	<b>ID #</b>	4943 06 14 0390
<b>Property Owner</b>	CHAPLIK, IGOR	<b>Millage</b>	1511
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<b>Abbreviated Legal Description</b>	POMPANO ISLES SEC B 31-8 B LOT 3 BLK 6		

New 5'x90' (450 sf) long wood dock and 20,000 lb. Neptune Boat Lift

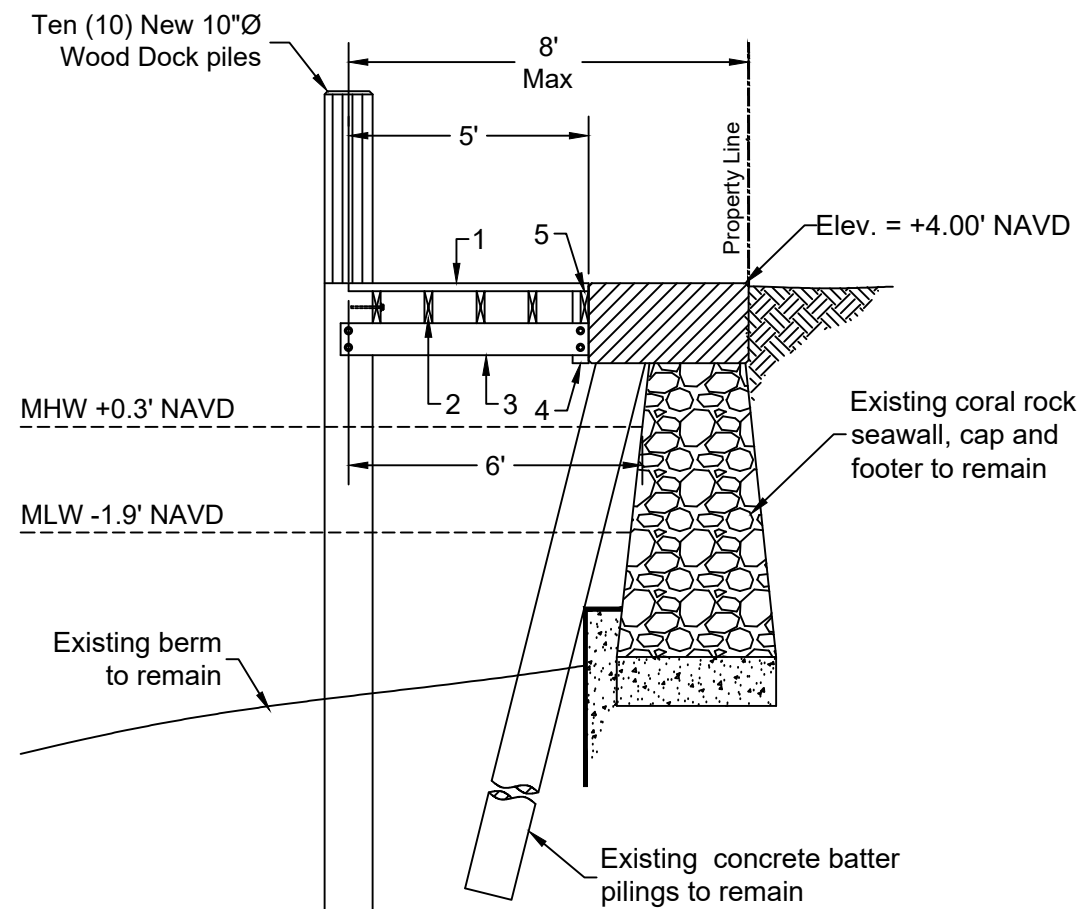
03.11.2024 Change Boat Lift Location  
 REVISIONS CORRECTIONS

PREPARED FOR: <b>MORRISON CONTRACTORS INC</b> 3000 SW 26 Terrace Dania Beach, FL 33312 (954) 583-8500	Project: <b>Proposed Dock and Boat Lift</b> Dr. Igor Chaplik 2232 SE 10 Court Pompano Beach, Florida 33062	MARK E. WEBER, P.E. LICENSE #53895   CA 30702 MW ENGINEERING, INC 902 NE 1 Street Suite #2 Pompano Beach, Florida 33060 Ofc: 954-532-0129 WWW.MwEngineering.net
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### Framing Plan

Scale: 3/16" = 1'-0"



### Dock Section

Scale 1/4" = 1'-0"

1. 1x6 PVC Decking with (2) #7x2 1/2" trim head deck screws per stringer
2. 2x8 stringers @ 16" max. spacing with (2) #10 x 3" s.s. screws into substringers
3. 2x8 substringers with (2) 5/8"Ø thru bolts @ piles and drop hanger
4. 4x10 drop hanger with (2) 5/8"Ø wedge anchors into existing seawall cap, min. 4" embedment
5. 2x8 ledger with 1/2"Ø wedge anchor @ 24" o.c. into existing seawall cap ( min. embedment 4")

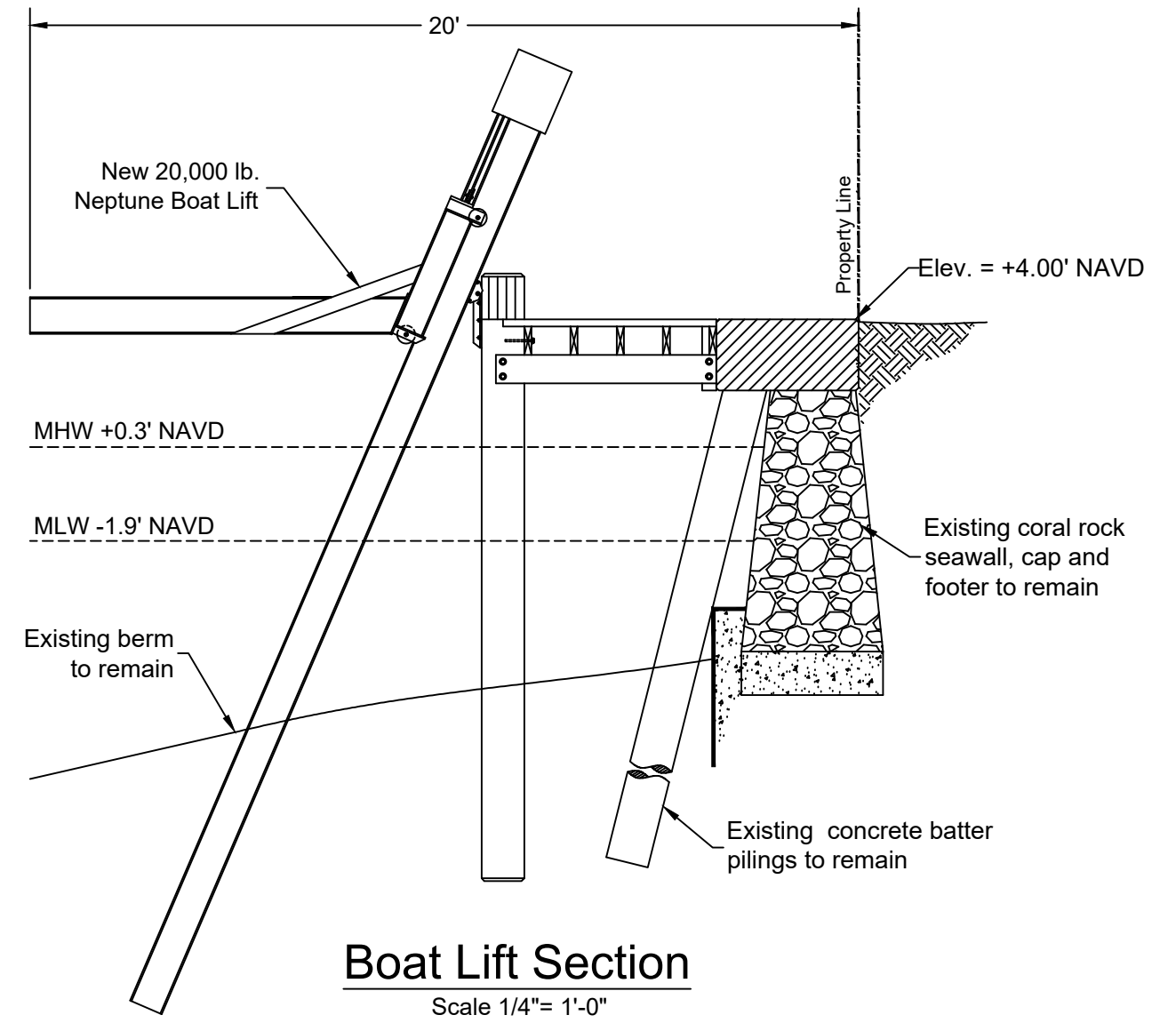
	03.11.2024	Change Boat Lift Location
	REVISIONS	
		CORRECTIONS

Sheet 3 of 6

PREPARED FOR:  
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 3000 SW 26 Terrace  
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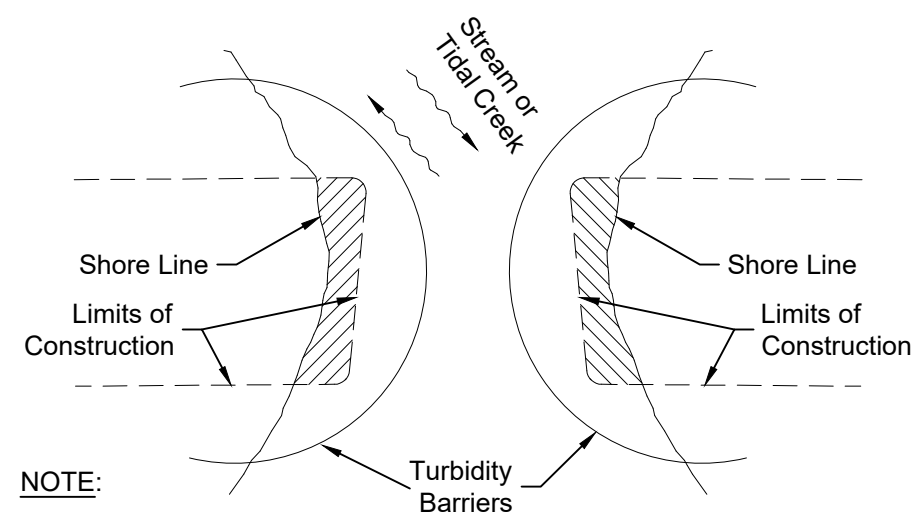
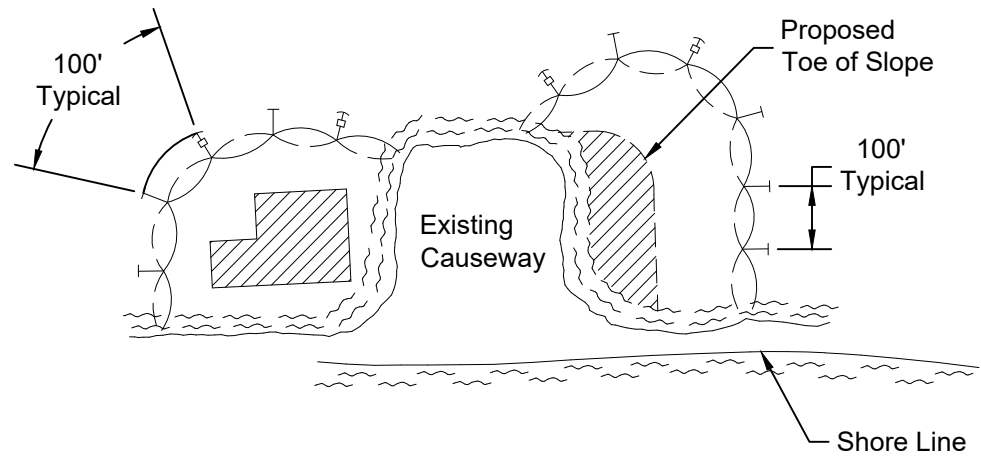


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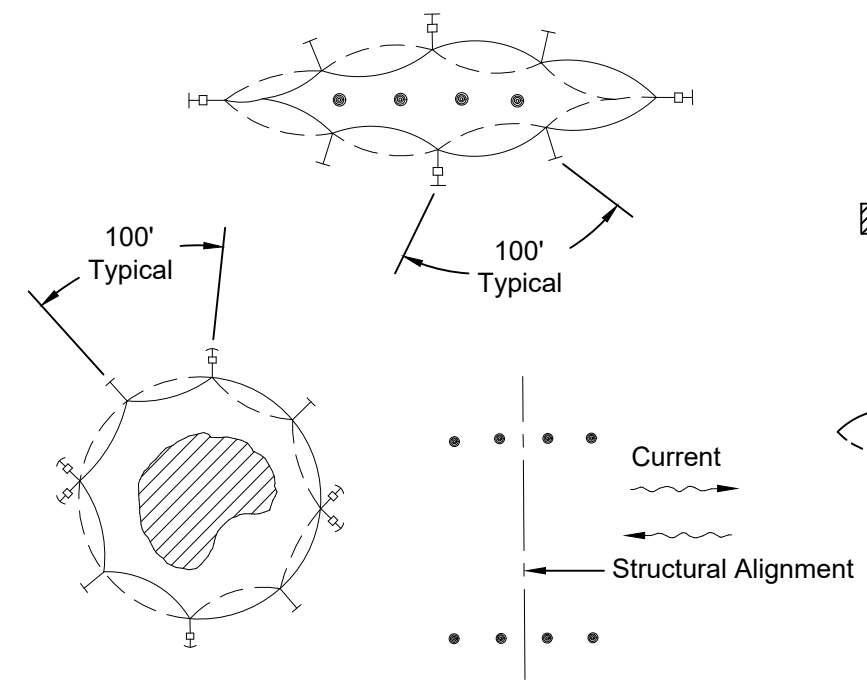
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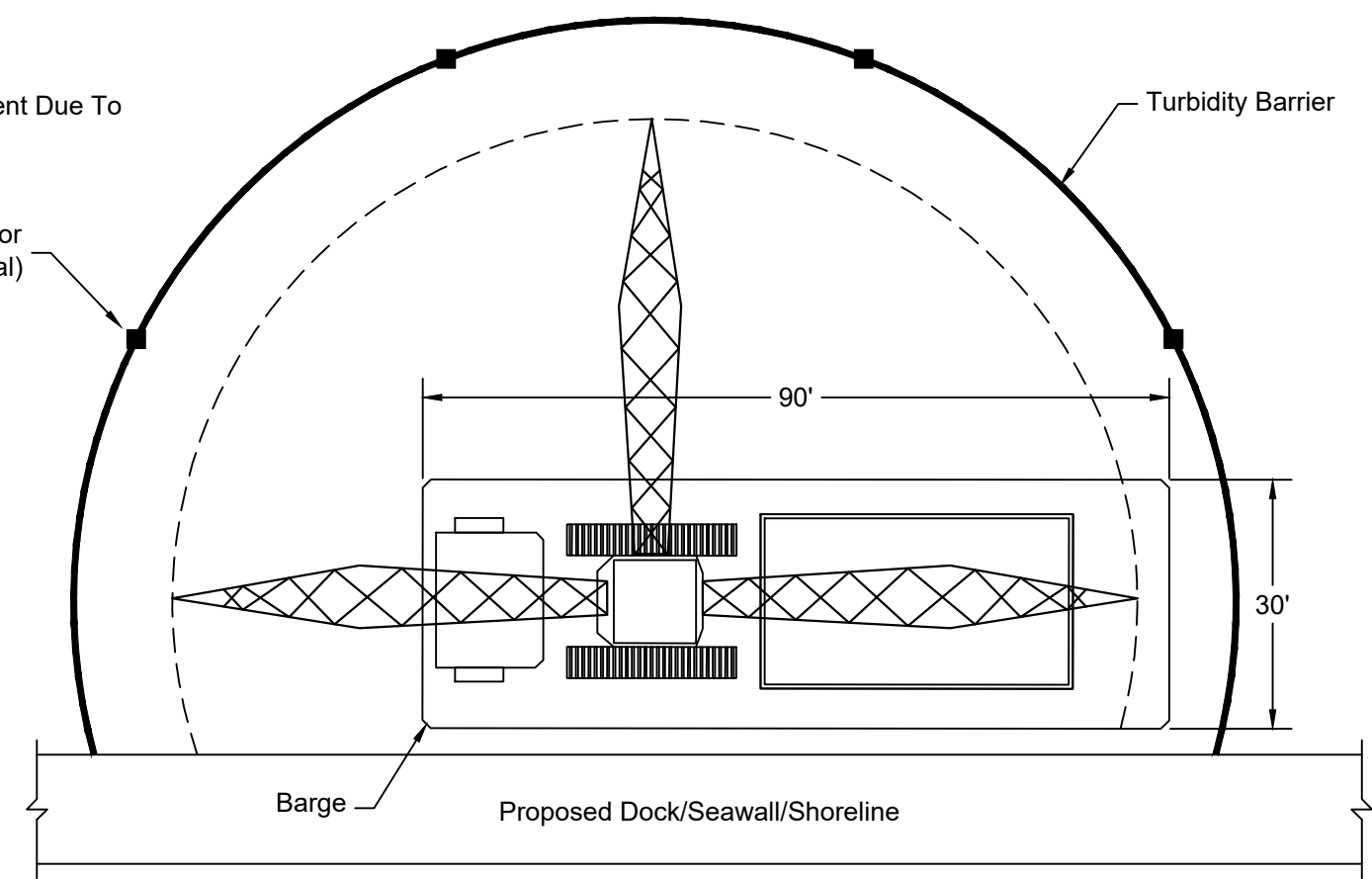


**NOTE:** Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer of Record.

- LEGEND**
- ⊙ Pile Locations
  - ▨ Dredge or Fill Area
  - ⊠ Mooring Buoy with Anchor
  - Anchor
  - ⬭ Barrier Movement Due To Current Action
- Stake or Anchor every 100' (typical)



- NOTES:**
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
  2. Number and spacing of anchors dependent on current velocities.
  3. Deployment of barrier around pile locations may vary to accommodate construction operations.
  4. Navigation may require segmenting barrier during construction operations.
  5. For additional information see Section 104 of the Standard Specifications.



# TURBIDITY BARRIER APPLICATIONS

Sheet 5 of 6

PREPARED FOR: <b>MORRISON CONTRACTORS INC</b> 3000 SW 26 Terrace Dania Beach, FL 33312 (954) 583-8500	Project: <b>Proposed Dock and Boat Lift</b> <b>Dr. Igor Chaplik</b> 2232 SE 10 Court Pompano Beach, Florida 33062
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GENERAL NOTES:

1. Construction to follow the Florida Building Code 8th Edition (2023) and amendments as applicable and all Local, State and Federal Laws.
2. Licensed contractor shall verify the existing conditions prior to the commencement of the work. Any conflicts or omissions between existing conditions or the various elements of the working drawing shall be brought to the attention of the Engineer prior to the commencement of the work. The Licensed Contractor and all subcontractors are responsible for all lines, elevations, and measurements in connection with their work.
3. Do not scale drawings for dimensions.
4. Any deviation and/or substitution from the information provided herein shall be submitted to the Engineer for approval prior to commencement of work.
5. All unanticipated or unforeseen demolition and/or new construction conditions which require deviation from the plans and notes herein shall be reported to the Engineer prior to commencement of work.
6. All new work and/or materials shall conform to all requirements of each administrative body having jurisdiction in each appertaining circumstance.
7. All new materials and/or patchwork shall be provided to match existing materials and/or adjoining work where practical except as specifically noted herein.
8. Licensed Contractor to shall use all possible care to protect all existing materials, surfaces, and furnishings from damage during all phases of construction.
9. Licensed Contractor to verify location of existing utilities prior to commencing work.
10. The Licensed contractor to install and remove all shoring and bracing as required for the proper execution of the work.
11. Licensed Contractor to obtain all permits as necessary from all Local, State, and Federal agencies.
12. Turbidity barriers to be marked with site contractor's company name using permanent markings no smaller than 3 inches in height on the top of the barrier.

PILE DRIVING:

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 hammer energy.
3. Piles shall be driven to required capacity (min. 10 tons) a minimum of 8' into berm or refusal.
4. Piles shall be driven with a drop hammer or gravity hammer provided the hammer shall weight no less than 3,000 pounds, and the fall of the hammer shall not exceed 6'.
5. Piles shall be driven with a variation of not more than  $\frac{1}{4}$  inch per foot from the vertical, or from the batter line indicated, with a maximum variation of the head of the pile from the position shown on the plans of not more than three inches.
6. Where piling must penetrate strata offering high resistance to driving, the structural engineer of record or special inspector may require that the piles be set in pre-drilled or punched holes. The piles shall reach their final penetration by driving.

CONCRETE NOTES:

1. Concrete shall conform to ACI 318 (latest edition) and shall be regular weight, sulfate resistant, with a design strength of 5000 psi at 28 days with a maximum water-cementitious materials ratio, by 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 with 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 the 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 with ACI 315 and ACI Manual of Standard Practice.
6. Splices in reinforcing bars shall be 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.
7. Defective, cracked or loose concrete areas must be cut out, the rebar must be cleaned, coated with zinc and repaired with at least 3" of epoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

PILE NOTES:

1. Wood piles to be 2.5 lb. CCA treated in accordance with AWPA standard C18.
2. Wood piles shall be a minimum diameter of 10", Miami Dade County requires minimum diameter of 12".
3. Concrete piles shall attain 6000 psi compressive strength in 28 days.
4. Concrete piles shall be reinforced with four -  $\frac{7}{16}$ "Ø lo-lax strands, 270 kips, and 5 ga. spiral ties.
5. Concrete piles shall be 12"x12" square, minimum length of 20'.
6. Concrete piles shall be cut to leave strands exposed a min. of 18" and tied to dock or cap steel or drill and epoxy (2) #5 8"x12" hook bars 6" into pile.

WOOD DOCK NOTES:

1. All materials to be pressure treated pine unless otherwise noted.
2. All frame work materials to be Southern Pine Grade #1.
3. All Decking materials to be grade #1 unless otherwise noted.
4. All hardware to be Stainless Steel or Galvanized unless otherwise noted.

Sheet 6 of 6

PREPARED FOR:

MORRISON CONTRACTORS INC  
3000 SW 26 Terrace  
Dania Beach, FL 33312  
(954) 583-8500

Project:  
Proposed Dock and Boat Lift  
Dr. Igor Chaplik  
2232 SE 10 Court  
Pompano Beach, Florida 33062

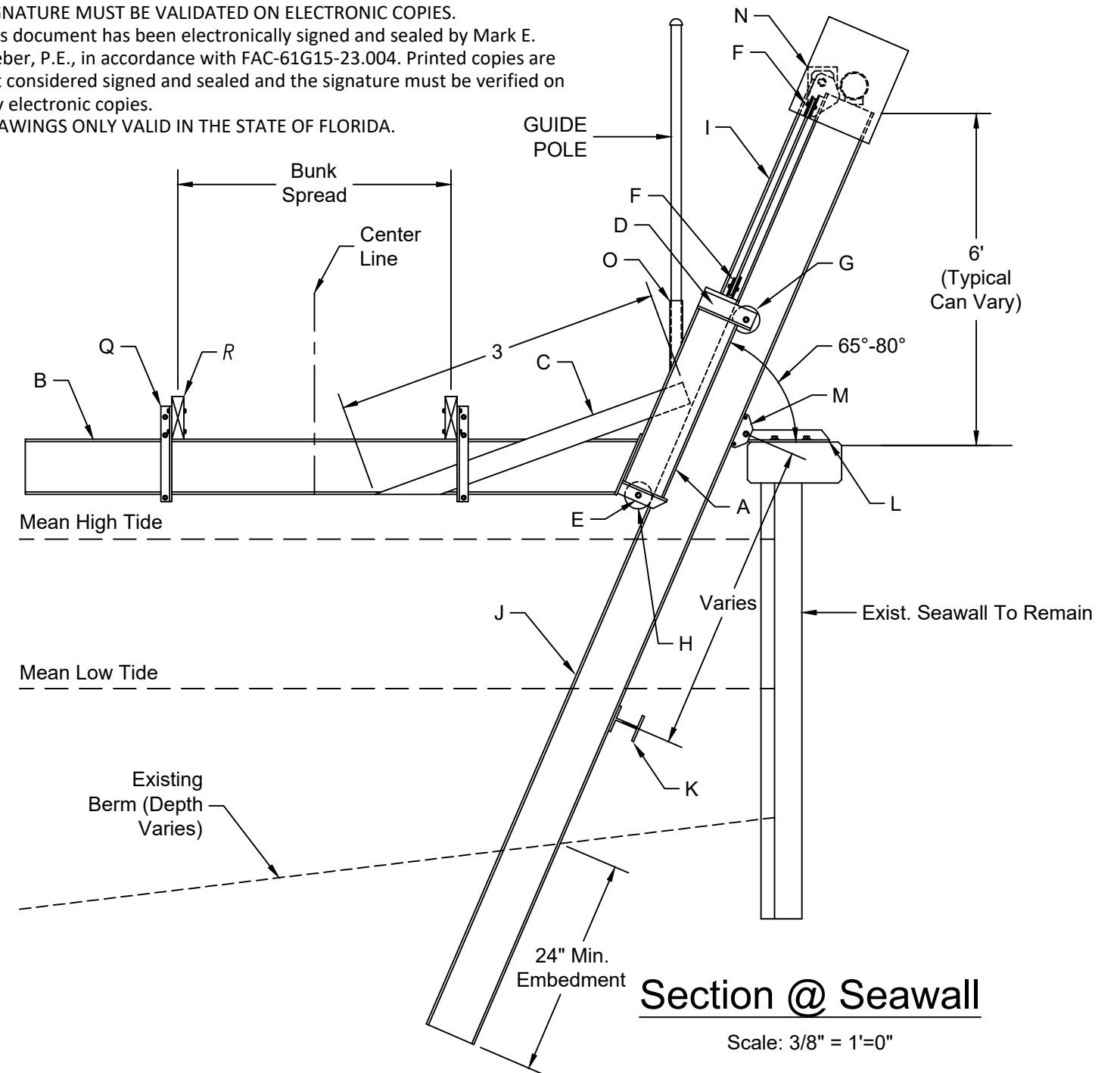
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**General Notes:**

- Design in accordance with Florida Building Code, 8th Edition (2023).
- This lifting structure has been designed to withstand wind loads associated with speeds of V (ult) = 180 MPH, (3 Second Gust) Exposure 'D' without a boat on the lift per ASCE 7-16 using above ground sign/wall method. The lifting structure including boat has been designed to withstand wind speeds of V (sustained) = 73 MPH, remove boat when winds approach this speed or for any named storm event. Boat shall not be stored on lift during high wind events.
- Do not scale drawings for dimensions. Licensed Contractor to verify location of existing utilities prior to commencing work. The Licensed contractor shall install and remove all shoring and bracing as required for the proper installation of the work. Licensed Contractor to obtain all permits as necessary from all Local, State, and Federal agencies.
- Aluminum: Material 6061 T6 Aluminum, all welds are minimum full fillet weld using 5556 filler 1/4 full fillet weld using 5556 filler alloy, all welding must conform to AISC steel construction manual currently adopted edition as inspected and verified by others. The contractor is responsible for insulating aluminum members from dissimilar metals to prevent electrolysis. Aluminum members in contact with concrete and wood shall be protected by "Koppers Bituminous Paint" or Polyethylene Tape UHMW (ultra-high molecular weight). 11.7 mils (0.30 mm) min. total thickness in accordance with current Florida Building Code.
- All anchors to be Hilti Brand or Approved Equal. All bolts shall be hot dipped galvanized or stainless steel & meet the requirements of ASTM A304 with hardened washers and hex nuts. Washers shall be used between wood & bolt head & between wood & nut. Where generic fasteners are labeled, capacities shall be equal to or greater than Hilti Kwik Bolt II or Red Head thru bolts SAE Grade 5 or better. Embedment depths specified herein are depths into solid substrate and do not include thickness of other finishes.
- MW Engineering Inc. 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. Use of this specification by contractor and permit holder Et al. indemnifies and saves harmless the engineer for all costs and damages from material fabrication, system erection, and construction practices beyond that which is called for by codes and from deviations from this design. Intellectual property of MW Engineering, Inc. All rights reserved. No part of this publication may be reproduced without prior written authorization.
- Piles shall be driven to minimum allowable bearing capacity of 10 tons minimum 8-foot or refusal and sufficiently penetrated sand or rock strata in pre-drilled or punched holes to support lift capacity, weight and loads. Each pile to carry commensurate load (Factor of Safety of 2). Sub-surface conditions can vary greatly.
- The contractor of record shall verify pile type, installation, and driving in compliance with FBC 8th ED (2023). Wood piles shall be a minimum diameter of 10", Miami Dade County requires minimum diameter of 12", 2.5 lb. CCA treated in accordance with AWPA standard C18. Concrete piles shall be 12" x 12" square, attain 6000 psi compressive strength in 28 days and shall be reinforced with four - 7/16" diameter lo-lax strands, 270 kips, and 5 ga. spiral ties.
- Pilings described herein are considered to be part of the host structure and are not part of this certification. The pilings and existing host structure, if any, must be capable of supporting the loaded system as verified by the permit holder and contractor of record. No warranty, either express or implied is contained herein.

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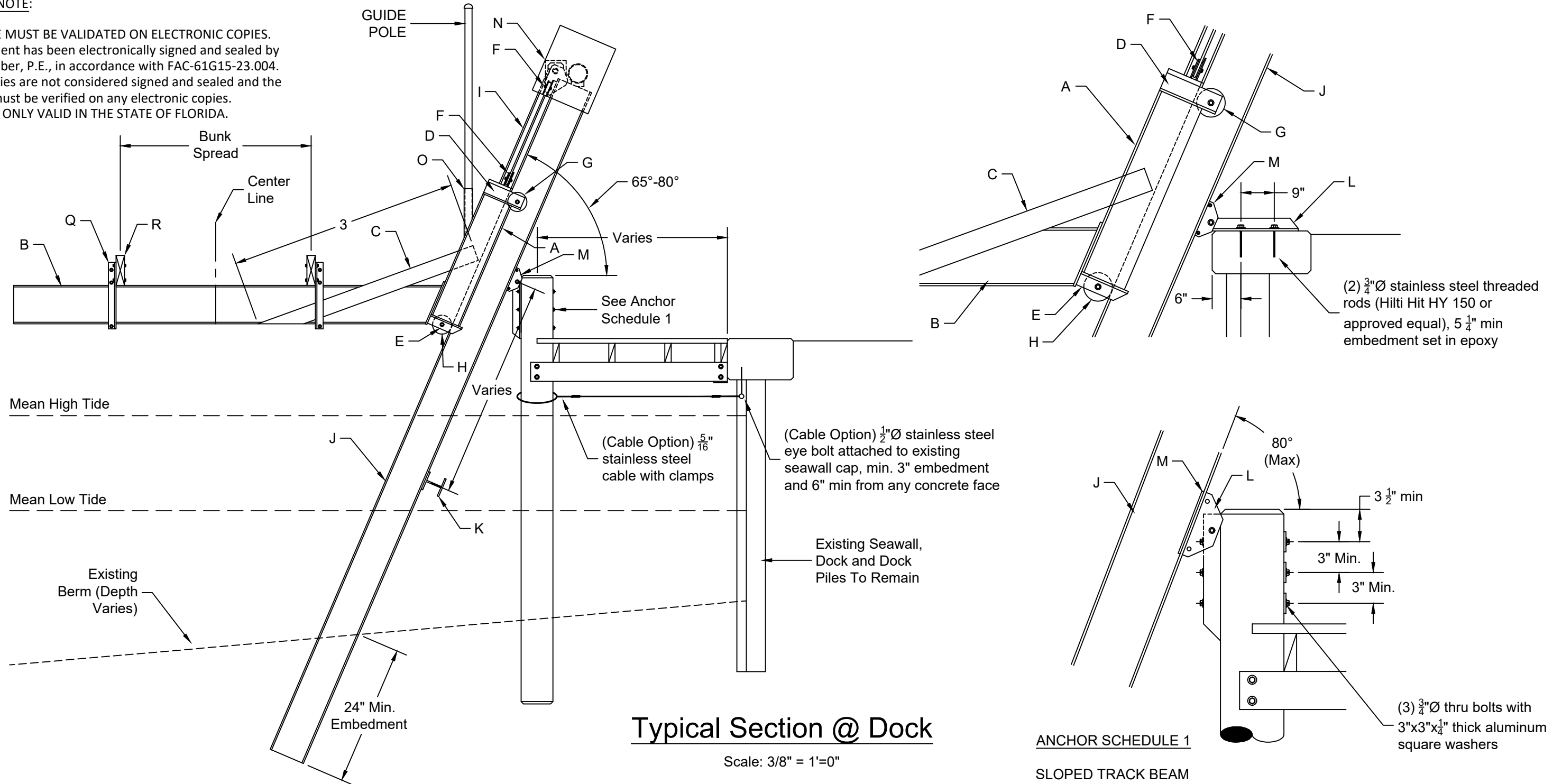
20,000 LB. Boatlift  
 Dr. Igor Chaplik  
 2232 SE 10th Street  
 Pompano Beach, Florida 33062

NEPTUNE BOAT LIFTS  
 228 SW 21 Terrace  
 Fort Lauderdale, Florida 33312  
 Phone: 954-524-3616  
 Fax: 954-524-3604

SCALE:	32
DATE:	05.12.2015
DRAWN BY:	WRT
CHECKED BY:	WM
JOB No:	Elevator 32.dwg
BL-1	

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**Typical Section @ Dock**  
 Scale: 3/8" = 1'-0"

**ANCHOR SCHEDULE 1**

**SLOPED TRACK BEAM**

(3) 3/4"Ø thru bolts (except for 5K elevator which required (2) 3/4"Ø thru bolts only), 3 1/2" mini. from top of pile, 3" apart min., centered with 3"x3"x1/4" thick aluminum square washers

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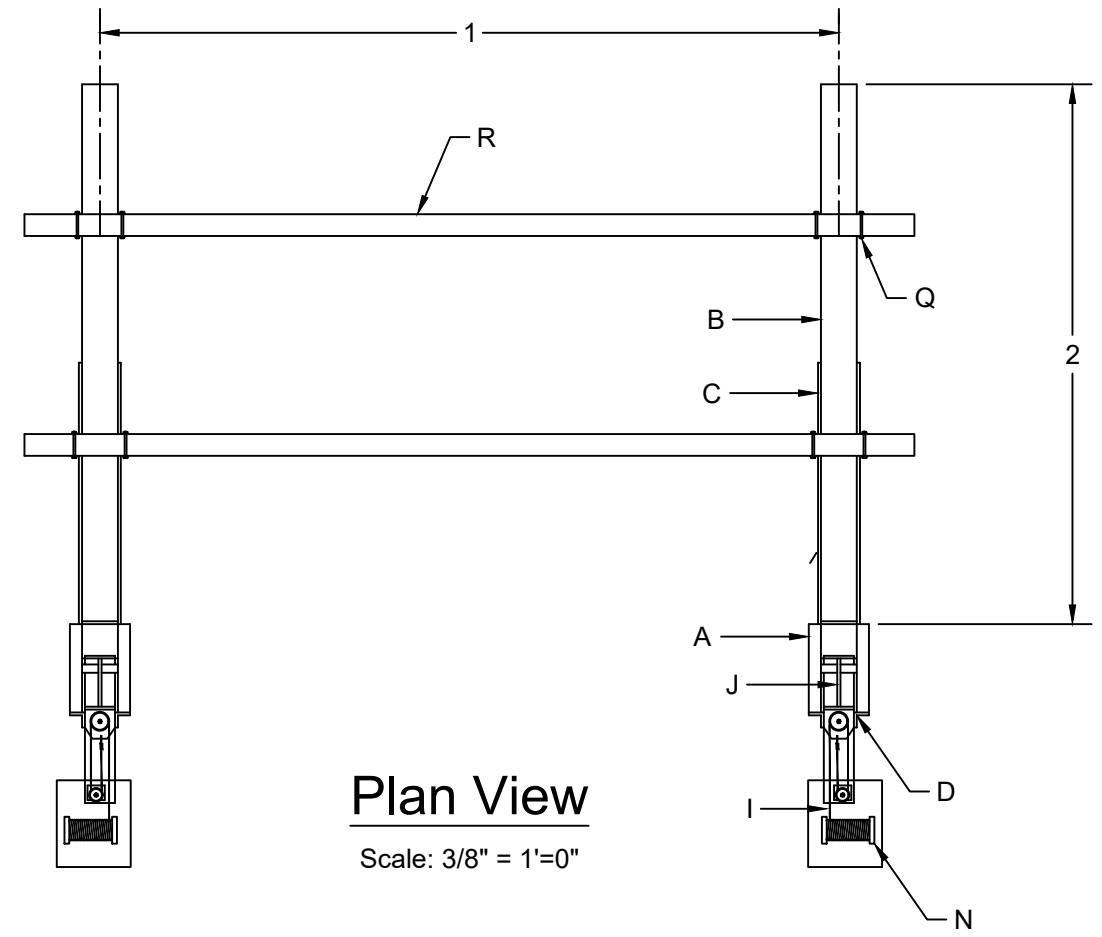
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BL-2	



# Components

Lift Capacity (In Pounds)	5,000	7,000	10,000	12,000	14,000	15,000	17,000	20,000	24,000
A Carriage Boom (2 Required per Lift Arm)	AS C 6"x3.6		AS C 8"x4.3	AS C 10"x5.3			AS C 12"x7.4		
B Cradle Arm	AA I - 6"x4.7	AA I 8"x7.1	AA I 10"x8.7	AA I 10"x10.286		AA I 12"x11.7	AA I 12"x14.3		
C Gusset Plate (2 Required per Lift Arm)	$\frac{3}{8}$ "x3" Flat Bar	$\frac{1}{2}$ "x4" Flat Bar	$\frac{1}{2}$ "x5" Flat Bar			$\frac{1}{2}$ "x6" Flat Bar	$\frac{1}{2}$ "x6" Flat Bar		
D Upper Carriage Angle (2 Required per Lift Arm)	$\frac{3}{8}$ "x2"x3" Angle		3"x3 $\frac{3}{4}$ "x $\frac{3}{8}$ " Custom Extrusion Tube						
E Lower Carriage Angle (2 Required per Lift Arm)	$\frac{3}{8}$ "x2"x3" Angle		$\frac{3}{8}$ "x3"x4" Angle			$\frac{3}{8}$ "x4"x6" Angle			
F Pulley Plate (2 Required per Lift Arm)	$\frac{3}{8}$ "x6" Flat Bar	$\frac{1}{2}$ "x6" Flat Bar	$\frac{1}{2}$ "x7" Flat Bar			$\frac{1}{2}$ "x8" Flat Bar			
G Upper Guide Wheel (4 Required per Lift Arm)	4" Diameter		4" Diameter		6" Diameter				
H Lower Guide Wheel (1 Required per Lift Arm)	4" Diameter		4" Diameter		6" Diameter				
I Cable Size (Stainless Steel)	$\frac{5}{16}$ " Diameter 7x19 SS 304							$\frac{3}{8}$ " Diameter 7x19 SS 304	
J Guide Track	AA I - 6"x4.7	AA I - 8"x6.3	AA I - 8"x7.1	AA I - 10"x8.7	AA I - 10"x10.286		AA I 12"x11.7	AA I 12"x14.3	
K Guide Track To Guide Track Brace	4" x 2.357 I Beam								
L Attachment Bracket	(2) $\frac{3}{8}$ "x2"x3" angle with welded $\frac{1}{2}$ " thick inner plate	5"x3 $\frac{1}{4}$ "x.75/.375 Channel		6"x3 $\frac{1}{4}$ "x.75/.375 Channel			7"x4"x.75/.50 Channel		
M Track Mount Connector (2 Required per Lift Arm)	$\frac{3}{8}$ "x2"x4" Angle & $\frac{3}{4}$ " Bolts			$\frac{3}{8}$ "x3"x4" Angle & $\frac{3}{4}$ " Bolts			$\frac{1}{2}$ "x3"x6" Angle & $\frac{3}{4}$ " Bolts		
N Motor Size (Horse Power/Voltage)									
O Guide Post Socket	2" Diameter Schedule 80 Pipe					3" Diameter Schedule 80 Pipe			
P									
Q Bunk Bracket Support (2 Each Side of Lift Arm)	$\frac{1}{4}$ "x2"x2"								
R Bunk Boards	3"x8" Pressure Treated Southern Yellow Pine #1			3"x10" Pressure Treated Southern Yellow Pine #1					



**Plan View**

Scale: 3/8" = 1'=0"

Dimensions									
Lift Capacity (In Pounds)	5,000	7,000	10,000	12,000	14,000	15,000	17,000	20,000	24,000
Dimension Mark 1	10'	10'	10'	10'	10'	10'	10'	10'	10'
Dimension Mark 2	7'	7'	8'	8'	8'	8'	10'	10'	10'
Dimension Mark 3	4'	4'	4'-6"	5'	5'	5'	6'	6'	6'

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