

**8055 NOREMAC AVENUE
MIAMI BEACH FL 33141**

**WORK PROPOSED:
BOAT LIFT/DOCK**

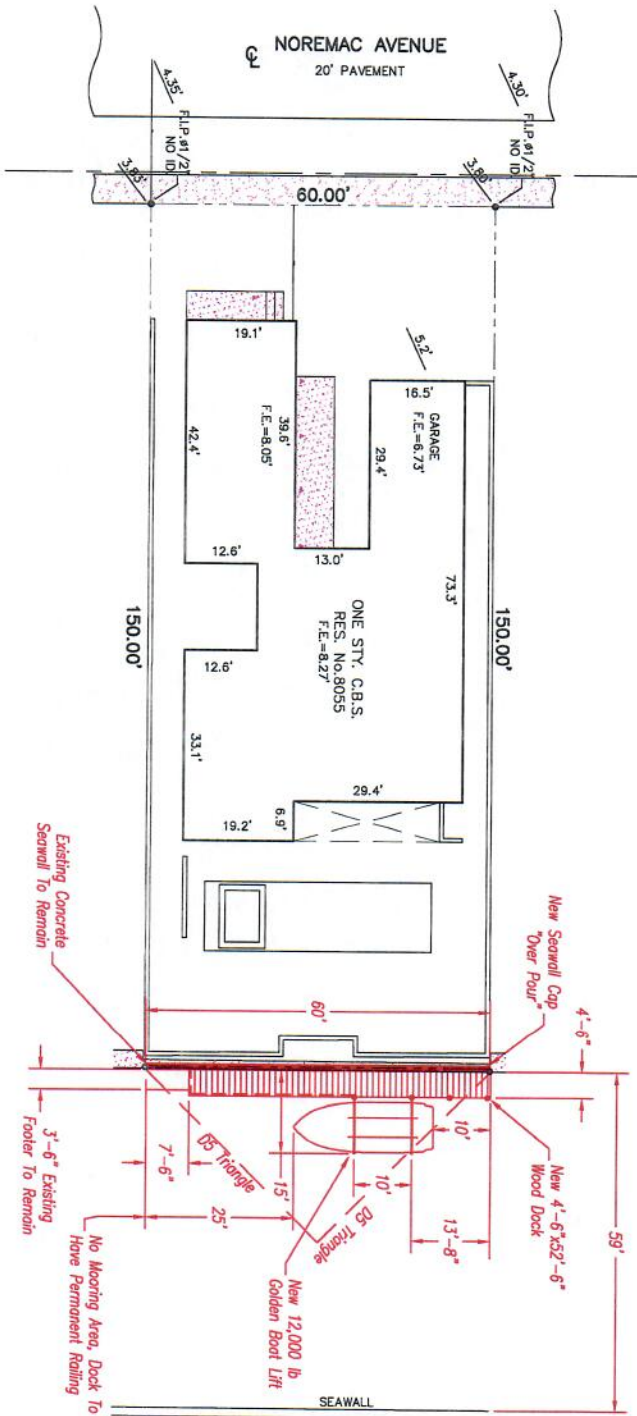
**FINAL SUBMITAL:
SEPTEMBER 21ST, 2016**



Scale: 1" = 20'

Florida

DSN	DWN
WRT	
DATE	
01.14.2016	
PLOT	
240	
DWG No.	
0055 SP-1 240	
DIRECTORY	
SDM\locks	
Sheet 1	



Site Plan

(Proposed Conditions)

Scale: 1" = 20'

Lot 4 Block 13

BISCAYNE POINT

Plat Book 14 Page 35

Dade County

Florida



NOTE:

Lift cradle is at 5' - 5.5' from the wall giving the (-) 4.0' water depth required.

See attached survey supplied by owner for exact property information.

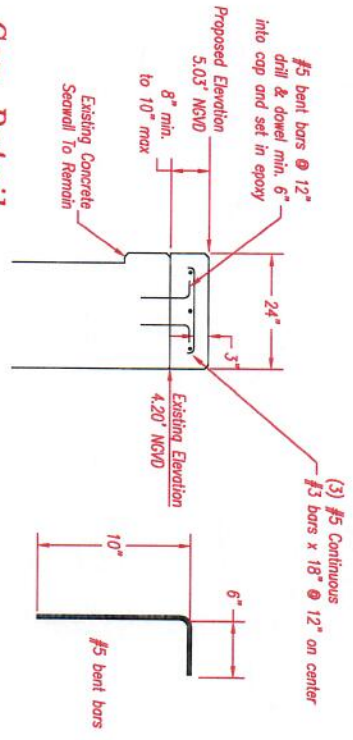
<p>Contractor Approval</p> <p><input type="checkbox"/> Changes Needed</p> <p><input type="checkbox"/> Final Approval</p> <p>Signature _____</p> <p>Date _____</p>		<p>Dock / Boat Lift</p> <p>Daniel Goughlin</p> <p>8055 Noremac Ave</p> <p>Miami Beach, Florida 33160</p> <p>Dynamic Engineering Solutions, Inc.</p> <p>531 S. Ocean Blvd, Suite 303</p> <p>Fort Lauderdale, Florida 33300</p> <p>(954) 545-1740</p> <p>John H. Goughlin, P.E.</p>		<p>CSN DMN</p> <p>WRT</p> <p>DATE 01.14.2016</p> <p>150</p> <p>DWG No. 6055 99-1 210</p> <p>DIRECTION SWN/WSW</p> <p>SHEET 2</p>
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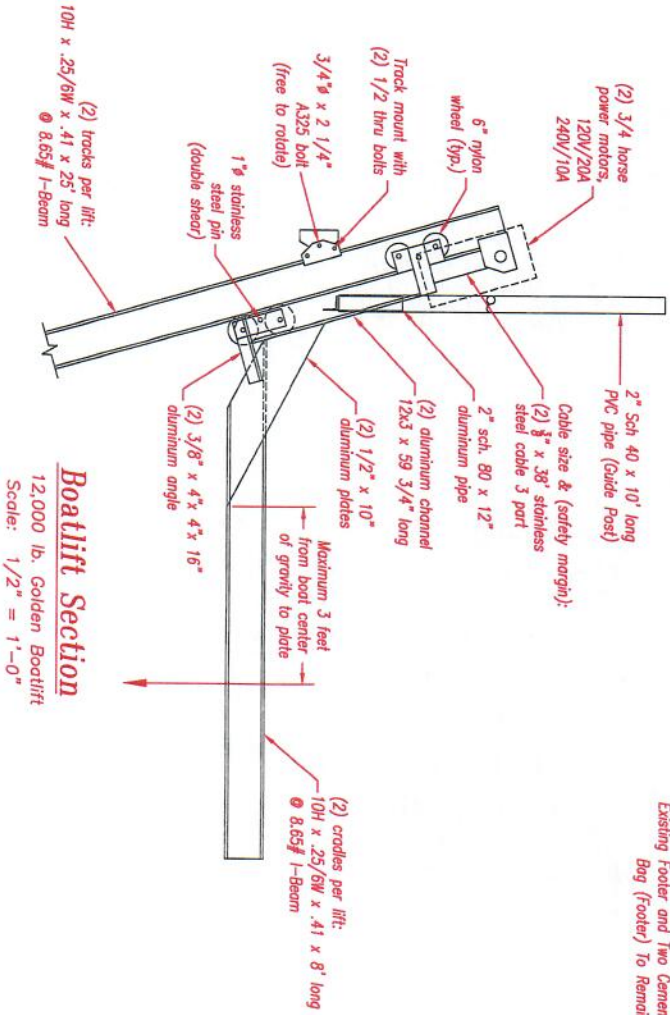
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| Contractor Approval
<input type="checkbox"/> Changes Needed
<input type="checkbox"/> Final Approval

Signature _____

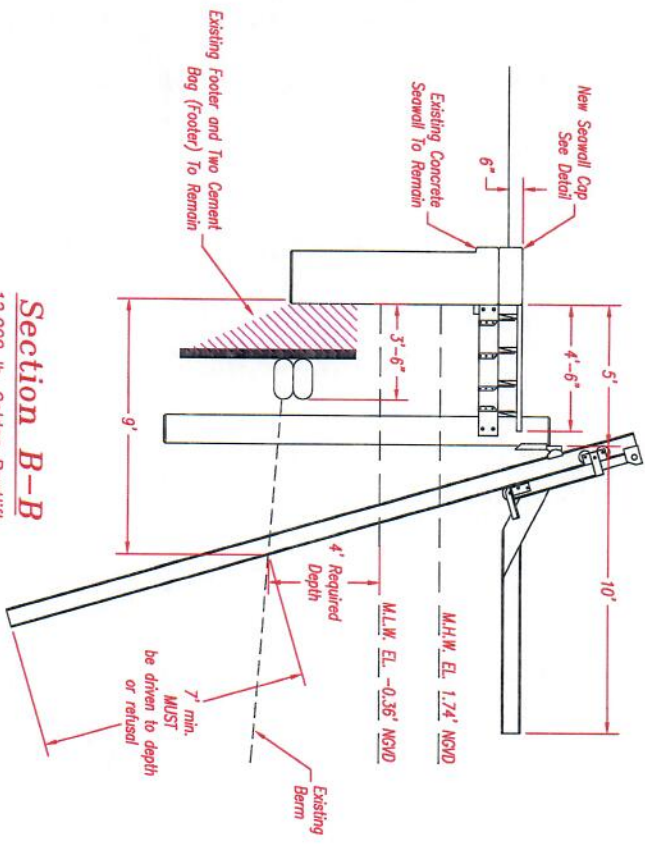
Date _____ | |
| Dock / Boat Lift
Daniel Coughlin
8055 Norcross Ave
Miami Beach, Florida 33160
Dynamic Engineering Solutions, Inc.
361 S. Broward, Lighthouse 8822X
Fort Lauderdale, Florida 33305
(954) 561-1740 | |
| DGN
WRT | DGN
WRT |
| DATE
01-11-2018 | |
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| John H. Christie, P.E.
Sheet 3 | |



Cap Detail
Scale 1/2" = 1'-0"

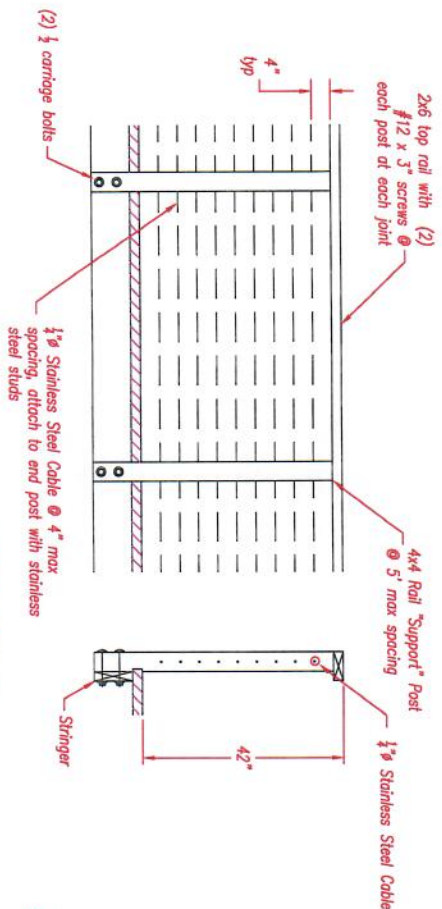


Boatlift Section
12,000 lb. Golden Boatlift
Scale: 1/2" = 1'-0"

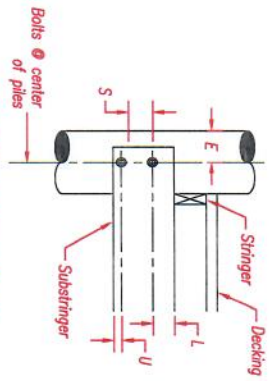


Section B-B
12,000 lb. Golden Boatlift
Scale: 1/4" = 1'-0"

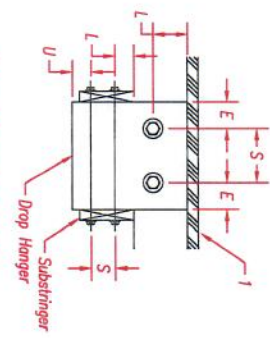
Contractor Approval <input type="checkbox"/> Changes Needed <input type="checkbox"/> Final Approval Signature _____ Date _____		Dock / Boat Lift Daniel Couplin 8055 Noremac Ave Miami Beach, Florida 33160 Dynamic Engineering Solutions, Inc. 251 S. Cypress Road, Suite 203 Pompano Beach, Florida 33060 (954) 545-1740 John H. Ombrow, P.E.		CSR DMN WRT DATE 01.14.2016 RVT DWG No. 8055 PP 419 DIRECTORY S&W Books Sheet 4
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RAIL DETAIL



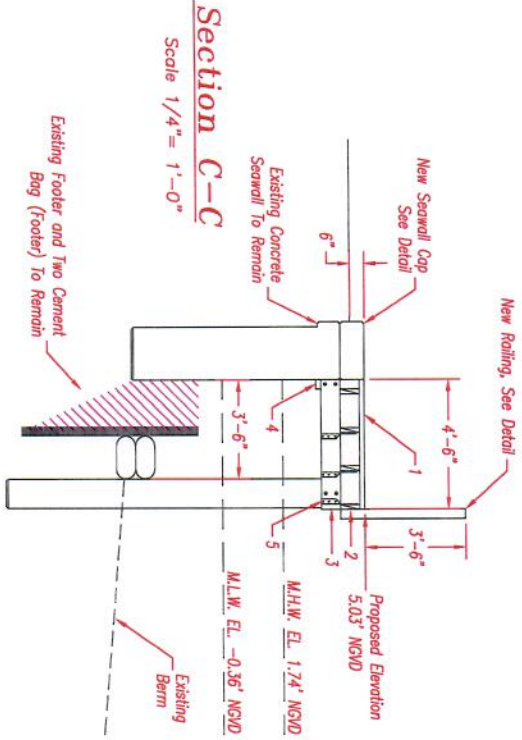
Pile Connection Detail



Drop Hanger Detail

Bolt Diameter	1/2"	5/8"	3/4"	1"
E = End Dist = 4D	2	2 1/2"	3	4
L = Edge Dist, Loaded = 4D	2	2 1/2"	3	4
S = Spacing = 4D	2	2 1/2"	3	4
U = End Dist, Unloaded = 1.5D	3/4	15/16	1 1/8	1 1/2

NDS Bolt Spacing Requirements



Section C-C
Scale 1/4" = 1'-0"

Contractor Approval <input type="checkbox"/> Changes Needed <input type="checkbox"/> Final Approval Signature _____ Date _____		Dock / Boat Lift Daniel Caughin 8055 Norwood Ave Miami Beach, Florida 33160 Dynamic Engineering Solutions, Inc. E.A. #2820, License #22233 150 S.W. 33rd Ave., Suite 303 Pompano Beach, Florida 33060 (954) 546-1740 John M. Omelko, P.E.		DESIGNED DATE DRAWN CHECKED DIRECTOR SHEET NO.
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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 minimum of 12 feet into berm.
- 4) Piles shall be driven with a drop hammer or gravity hammer provided the hammer shall weigh no less than 3000 pounds and the fall of the hammer shall not exceed six feet.
- 5) Piles shall be driven with a variation of not more than 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.

WOOD PILE NOTES

- 1) Wood piles shall be 2.5 lb. CCA treated in accordance with AWPA standard C18.
- 2) Wood piles shall be driven to a minimum bearing capacity of 10 tons.
- 3) Wood piles shall be a minimum 10" diameter.

GENERAL NOTES:

- 1) Construction to follow Florida Building Code, 5th Edition (2014) and amendments as applicable and all Local, State, and Federal Laws.
- 2) Licensed Contractor shall verify the existing conditions prior to commencement of the work. Any conflicts or omissions between existing conditions or the various elements of the working drawings shall be brought to the attention of the Engineer prior to the commencement of the work. The Licensed Contractor and all sub-contractors 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 their 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 pertaining 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.

General Note:

All materials to be pressure treated pine.
(unless otherwise noted).

All frame work materials to be grade #2.

All Decking materials to be grade #1.
(unless otherwise noted).

All hardware to be Galvanized.
(unless otherwise noted).

Design in accordance with Florida Building Code 5th Edition (2014)

Elevations shown hereon are based on the National Geodetic Vertical Datum of 1929.

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.

Contractor Approval

- ☐ Changes Needed
☐ Final Approval

Signature

Date

Dock / Boat Lift

Daniel Coughlin
8035 Norwood Ave
Miami Beach, Florida 33160
Dynamic Engineering Solutions, Inc.
1321 S.W. 8th St., Suite 101
Pompano Beach, Florida 33060
(854) 546-1740

John H. Omelette, P.E.

CS2	DNV
WRT	
DATE	
PLUT	
DNV No.	
REVISED BY	
SEAL/Notes	
Sheet 6	