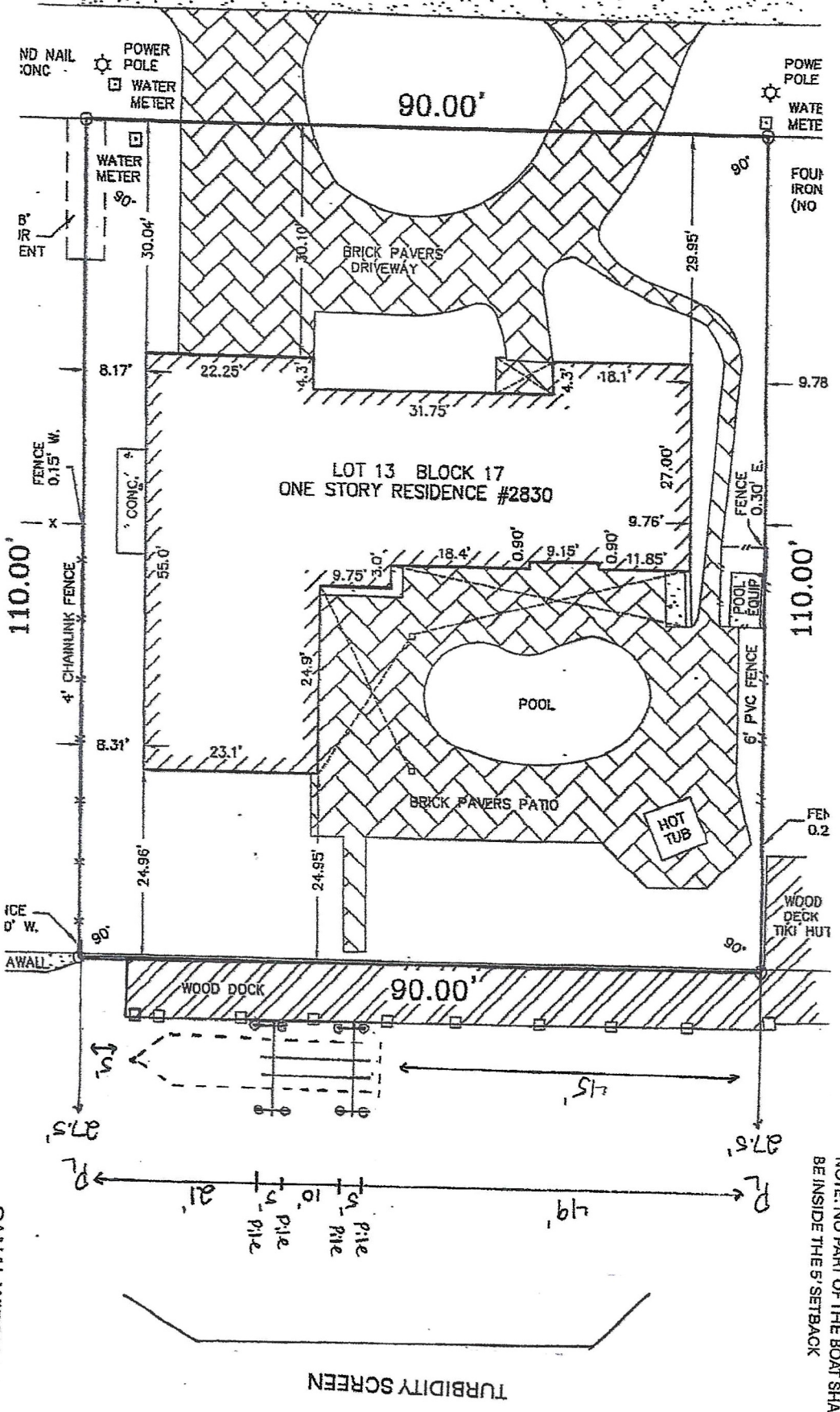


# N.E. 9th STREET

50' RIGHT OF WAY  
20' ASPHALT PAVEMENT



NOTE: NO PART OF THE BOAT SHALL BE INSIDE THE 5' SETBACK

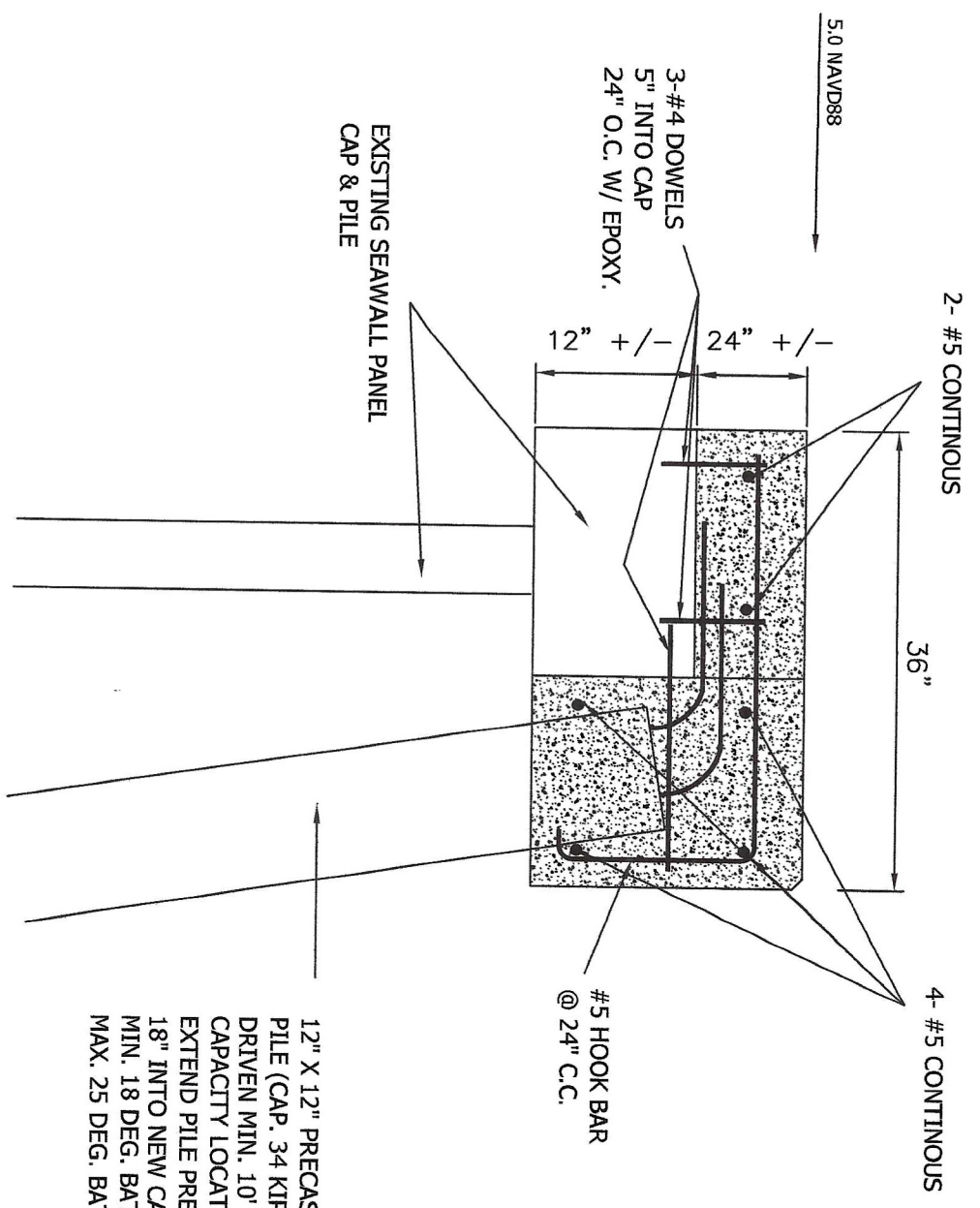
## Scope of Work

- Remove existing cradle boat lift and four wood boat lift piles.
- Install (8) eight CCA wood boat lift piles.
- Install a 40,000 lbs cradle boat lift

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*Alan Garcia*  
ALAN GARCIA, P.E.  
LICENSE #442564  
4202 NW 54th Street  
Coconut Creek, FL

S.E. CUSTOM LIFT SYSTEMS INC.



- GENERAL NOTES:
1. ALL CONCRETE TO BE 5000 PSI, 28 DAY COMP. STRENGTH
  2. ALL STEEL REBAR TO BE GRADE 60
  3. CONCRETE SHALL BE PROPERLY CURED.
  4. CONTRACTOR TO OBTAIN UTILITY CLEARANCE PRIOR TO PILE DRIVING. CALL 1-800-432-4770.

**TYPICAL NEW CAP EXTENSION SECTION**

12" X 12" PRECAST CONCRETE PILE (CAP, 34 KIPS)  
 DRIVEN MIN. 10' EMBEDMENT, W/ 10 TON CAPACITY LOCATED AT EACH KING PILE  
 EXTEND PILE PRESTRESSED STRANDS 18" INTO NEW CAP.  
 MIN. 18 DEG. BATTER ANGLE, MAX. 25 DEG. BATTER ANGLE.

NOTE: CAP OVER Poured SHALL BEPOUR AGAINST SOUND, STRUCTURAL SEAWALL CAP. REMOVE ANY SPALLED OR CRACKED EXISTING CAP CONCRETE.

- GENERAL NOTES:
1. ALL CONCRETE TO BE 5000 PSI, 28 DAY COMP. STRENGTH.
  2. ALL STEEL REBAR TO BE GRADE 60
  3. CONCRETE SHALL BE PROPERLY CURED.
  4. MIN. CONCRETE COVER TO BE 3"
  5. CONTRACTOR TO OBTAIN UTILITY CLEARANCE PRIOR TO PILE DRIVING. CALL 1-800-432-4770.
  6. DESIGN IS PER 8TH EDITION FBC (2023) AND WIND LOADS PER ASCE 7-22 HVHZ 170 MPH.

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SOUTHEAST CUSTOM LIFT SYSTEMS, INC.  
 MARINE CONSTRUCTION, INC.  
 ESTABLISHED IN 1996

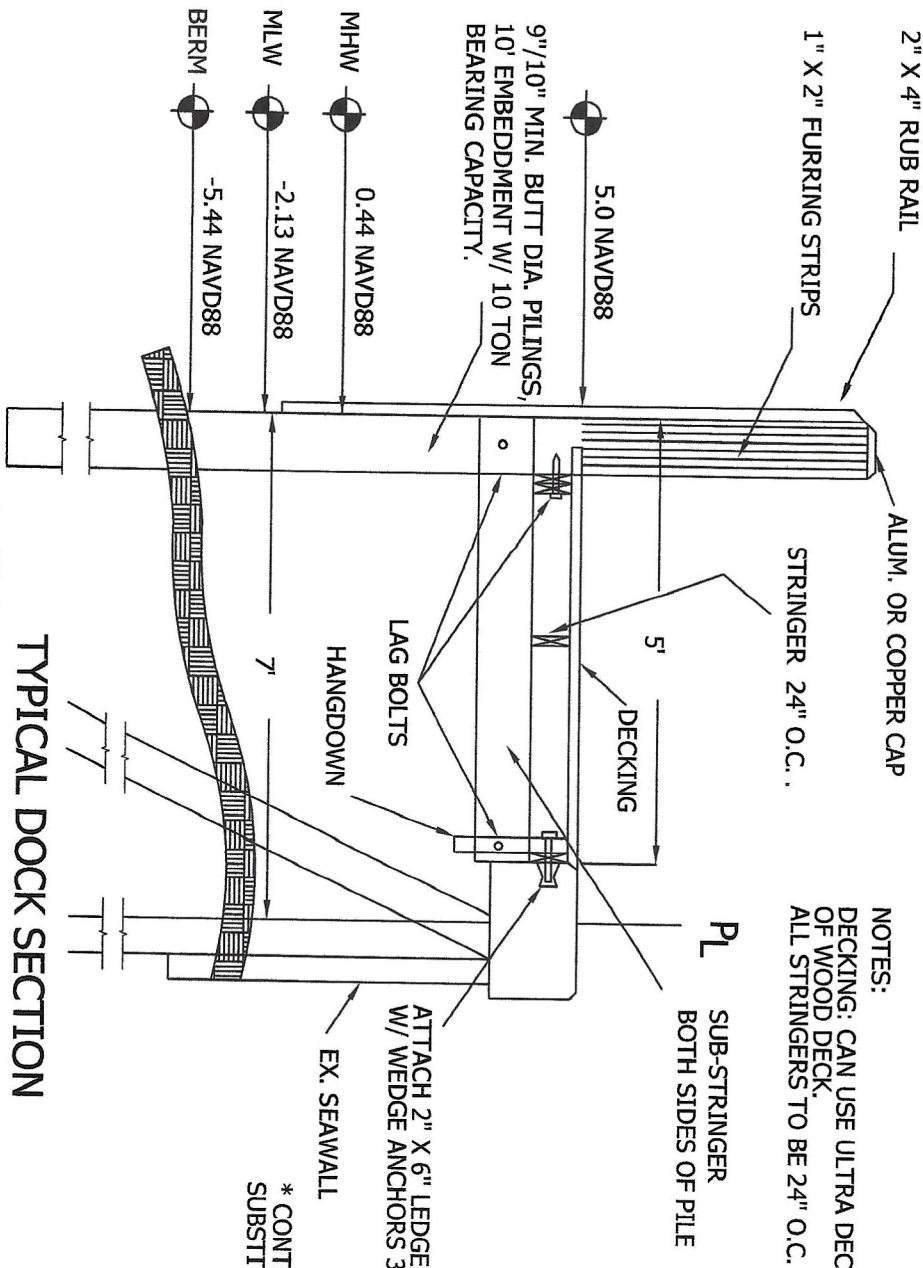
Ryan Buckley 2830 NE 9th St Pompano Beach, FL 33062



**FRAMING TABLE**

DOCK WIDTH	DECKING	STRINGERS	SUB-STRINGER	HANGDOWNS	LAG BOLTS	WEDGE ANCHOR
< 6' WIDE	2" X 6"	2" X 6"	2" X 8"	3" X 10"	1/2"	1/2"
6' TO < 8'	2" X 6"	2" X 6"	2" X 8"	3" X 10"	1/2"	1/2"
8' TO < 10'	2" X 6"	2" X 8"	2" X 10"	4" X 10"	5/8"	5/8"
10' TO 12'	2" X 6"	2" X 8"	2" X 12"	4" X 12"	3/4"	3/4"

NOTE: CONTRACTOR MAY USE GREATER MEMBER SIZE. FRAMING MEMBER MIN. SIZES SHOWN IN FRAMING TABLE.



NOTES:  
 DECKING: CAN USE ULTRA DECK OR DURA DECK IN LIEU OF WOOD DECK.  
 ALL STRINGERS TO BE 24" O.C.

PL SUB-STRINGER BOTH SIDES OF PILE

**GENERAL NOTES:**

1. ALL DIMENSION LUMBER SHALL BE SOUTHERN YELLOW PINE #1, TREATED W/ 0.40CCA WOOD PRESERV OR COMPSTE.
2. ALL HARDWARE TO BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
3. DECK BOARD NAILS TO 16d, H.D.G.
4. TIMBER PILES SHALL BE 2.50 CCA WOOD PRESERV.
5. ALL WORK TO MEET LOCAL BUILDING AND CITY CODE.
6. CONTRACTOR SHALL OBTAIN SUBAQUEOUS UTILITY CLEARANCE PRIOR TO PILE DRIVING.
7. DESIGN IS PER 8TH EDITION FBC (2023) AND WIND LOADS PER ASCE 7-22 HVHZ 170 MPH.

\* CONTRACTOR MAY SUBSTITUTE 10" OR 12" CONCRETE PILE. SUBSTITUTE WEDGE ANCHORS FOR LAGS FOR CONCRETE PILE.

**TYPICAL DOCK SECTION**

1. ALL STRINGER TO BE MAX. 24" O.C. N.T.S.
2. CONTRACTOR SHALL USE 12" PILING WHERE REGULATORY AGENCIES REQUIRE.
3. CONTRACTOR HAS THE OPTION TO INSTALL A SINGLE SUB-STRINGER (INSIDE) AT THE END DOCK PILE LOCATIONS.

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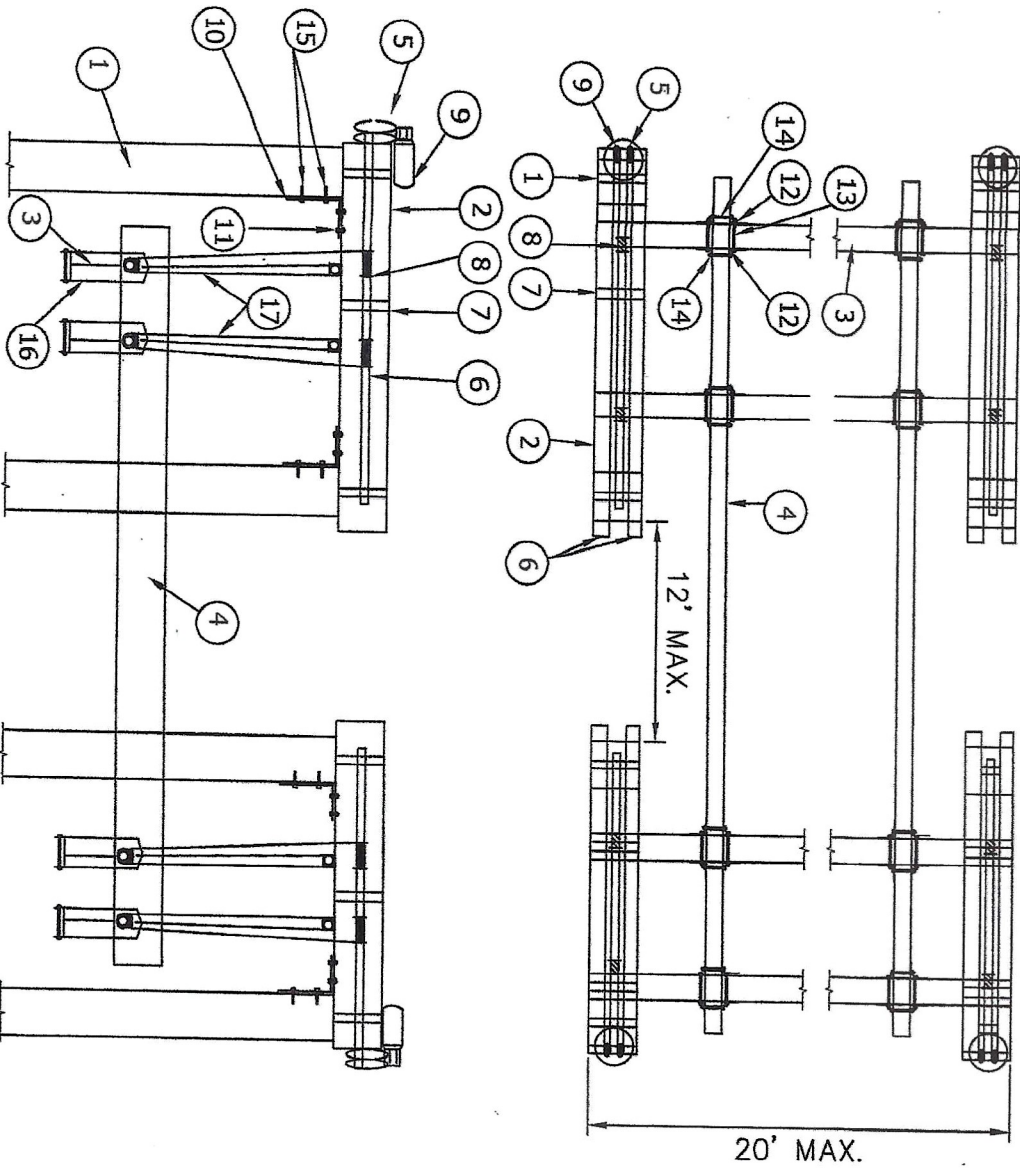
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 COCONUT CREEK, FL 33073

**GENERAL NOTES:**

1. ALL CONNECTIONS ARE WELDED UNLESS OTHERWISE NOTED.
  2. ALL HARDWARE TO BE STAINLESS STEEL.
  3. 12" MIN. BUTT DIA. PILING, 10' EMBEDMENT W/ 10 TON BEARING CAPACITY.
  4. PULLEYS SHALL BE RATED FOR 5000 lb LOADING (MIN.) ELECTRIC BY OTHERS.
  5. DESIGN BY RATIONAL ANALYSIS.
  6. ALUM. SHALL BE T-6061 ALLOY.
  7. PILES SHALL BE 12" X 12" WOOD OR PRESTRESSED CONC. PILE.
  9. Design is per 8th Edition FBC (2023) and Wind loads per ASCE 7-22 HVHZ 170 mph.
- \*\*CONTRACTOR HAS OPTION OF USING WOOD OR CONCRETE PILES IN AREAS WHERE REGULATORY POLICY APPLIES.



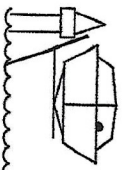
**8P 40,000 lb LIFT**

N.T.S.

- 1 12" Dia. Wd/conc. Pile\*\*
- 2 10" x 2.60" Alum Channel
- 3 12" x 7" x .62 Alum I-Beam
- 4 4" x 12" Wood Bunks
- 5 Drive Unit 8500FB or 9000-600.1ED
- 6 2" O.D. Sch 80 Gal. Pipe
- 7 1" x 8" Alum. Bearing plate
- 8 23" L/R Cable Spool Winders
- 9 2 HP Motor
- 10 3/8" x 4" Alum. Flat bar
- 11 1/2" dia. x 2 1/2" Bolt/nut
- 12 4" x 3" x 1/2" Alum Angle
- 13 5/8" dia. x 9" bolt/nut
- 14 1/2" dia. x 5" bolt/nut
- 15 1/2" dia. x 6" lag/w edge anchor
- 16 Pulley Assy.
- 17 3/8" s.s. cable

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**S.E. CUSTOM LIFT  
 SYSTEMS INC.**



P/L Wet face of seawall

# Seawall Cap, Dock, & 40,000 lbs Boat Lift

Wet Face

8'

27.5'

19.5'

5.0 NAVD88

S E A W A L L

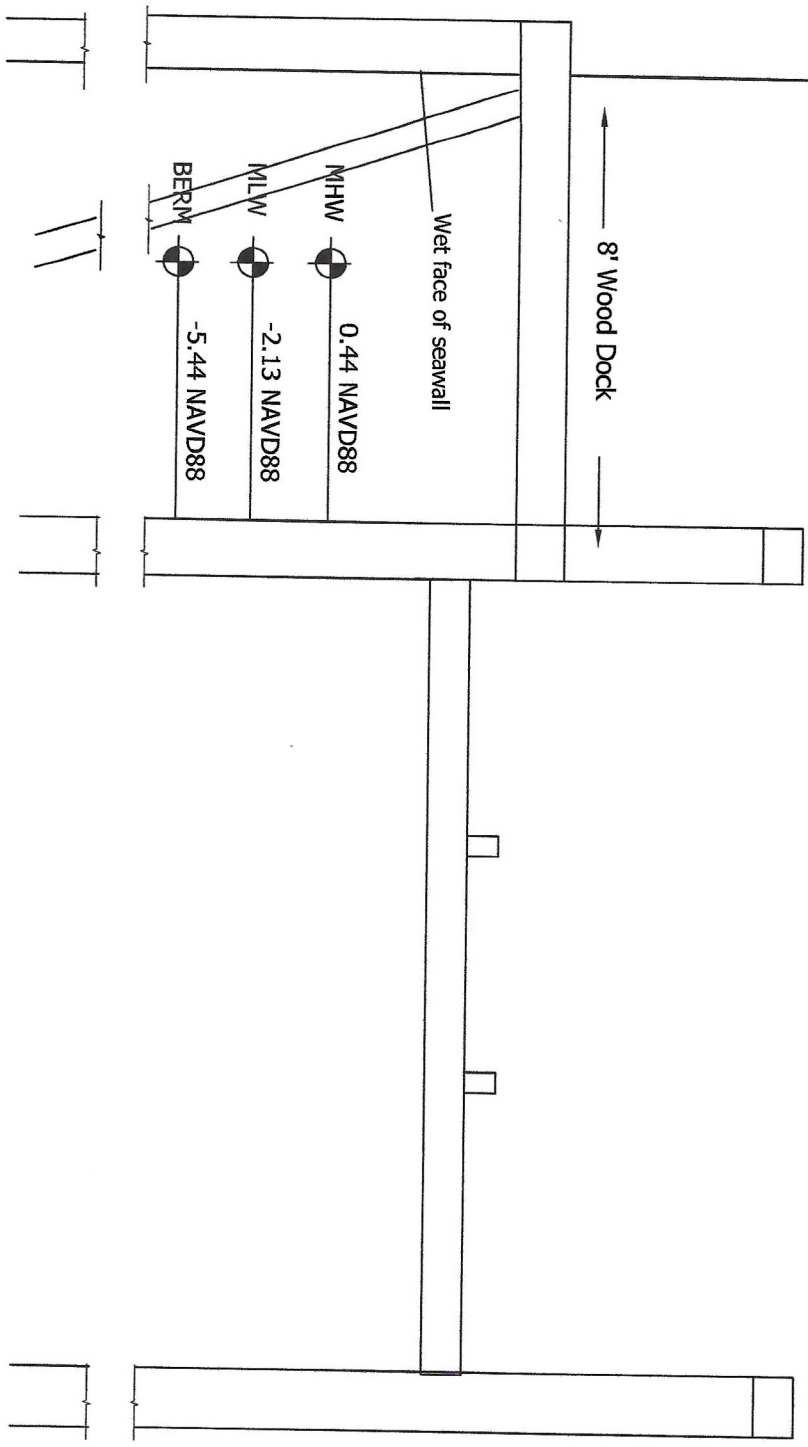
8' Wood Dock

Wet face of seawall

MHW 0.44 NAVD88

MLW -2.13 NAVD88

BERM -5.44 NAVD88



## TYPICAL SEAWALL CAP, DOCK & BOATLIFT CROSS SECTION Canal Width 100'

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