

LOCUS PLAN
1"=5280'

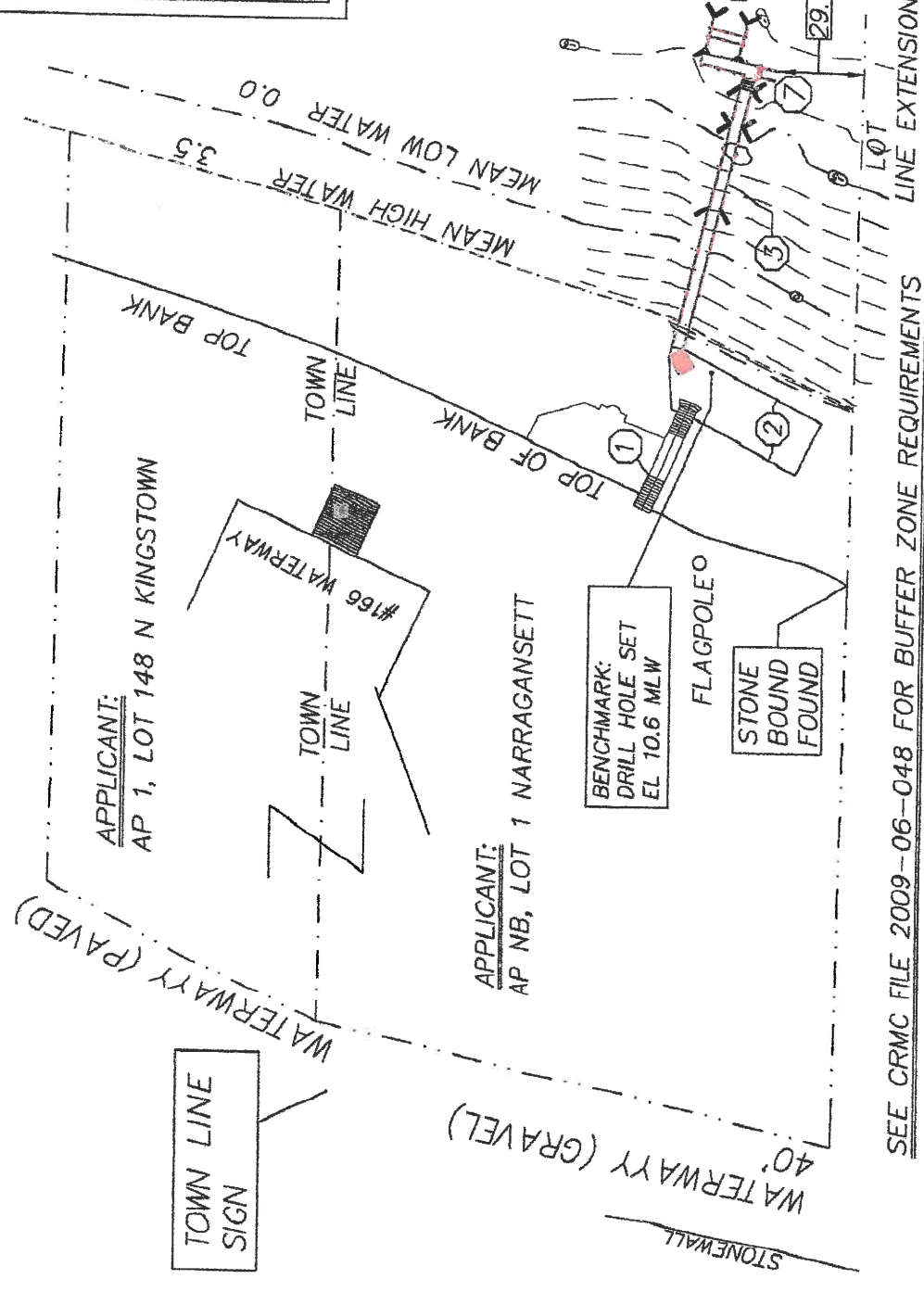
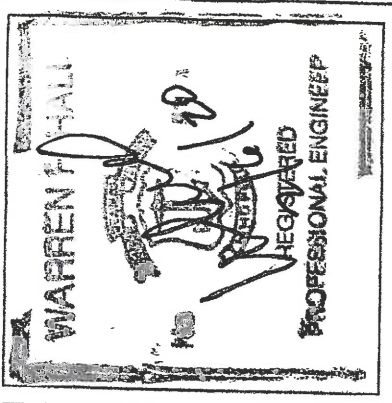
PROPOSED RESIDENTIAL PIER FOR:
 JONATHAN JANIKIES
 166 WATERWAY
 NARRAGANSETT AP NB, LOT 1
 NORTH KINGSTOWN, AP 1, LOT 148
 BY: WARREN HALL, CIVIL ENGINEER
 FEB. 1, 2020 SHEET 1 OF 10

WARREN F HALL

REGISTERED PROFESSIONAL ENGINEER

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 FEB 06 2020

COASTAL RESOURCES
 MANAGEMENT COUNCIL

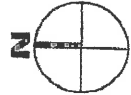


- ① EXISTING STEPS
- ② EXISTING CONCRETE DECK
- ③ PROPOSED PIER
- ④ 10,000# BOAT LIFT
- ⑦ JET SKI LIFT

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 FEB. 9, 2020 SHEET 2 OF 10



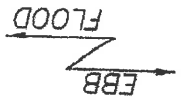
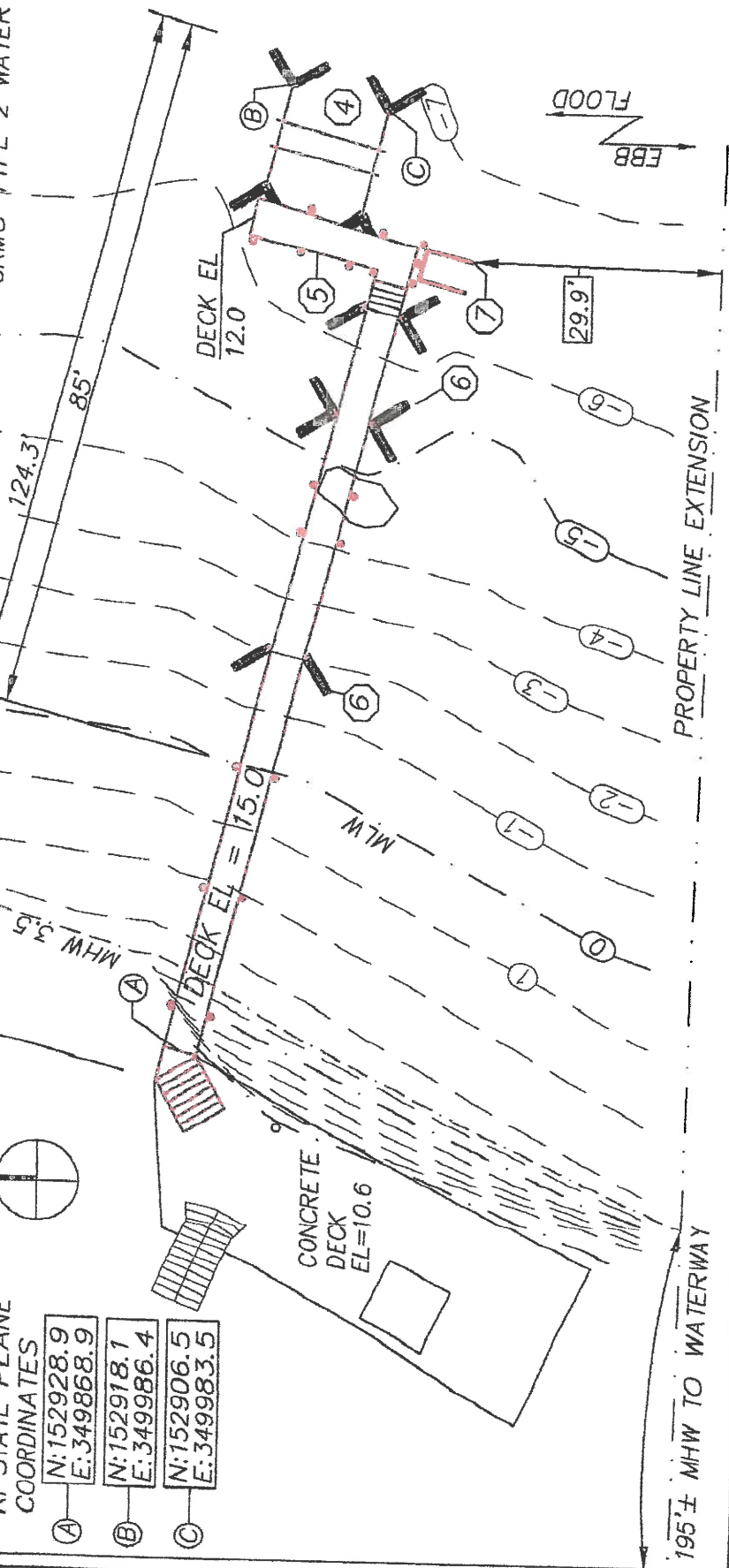
Scale 1" = 20'



RI STATE PLANE COORDINATES

①	N: 152928.9	E: 349868.9
②	N: 152918.7	E: 349986.4
③	N: 152906.5	E: 349983.5

NARRAGANSETT BAY
WEST PASSAGE
CRMC TYPE 2 WATER



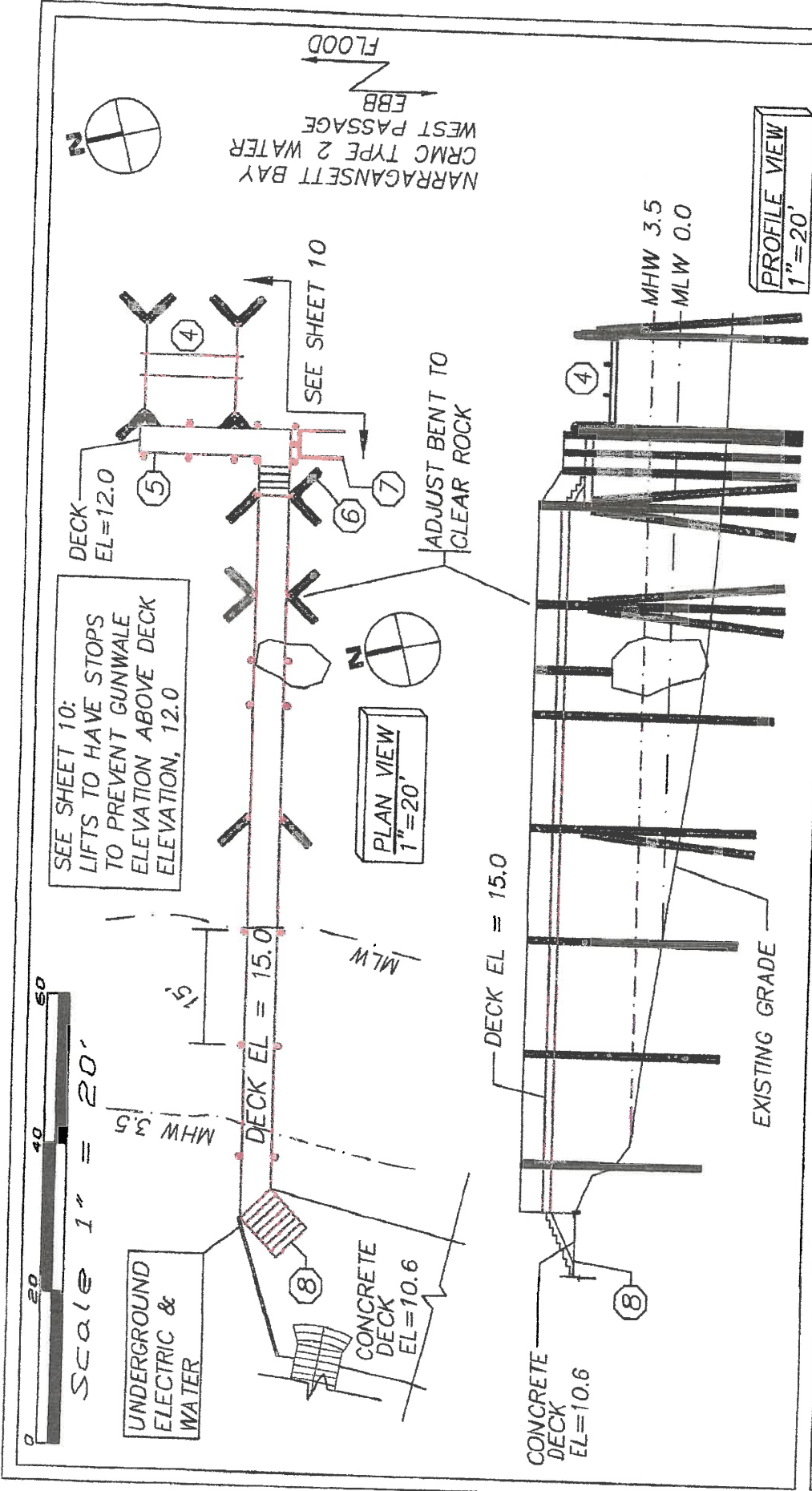
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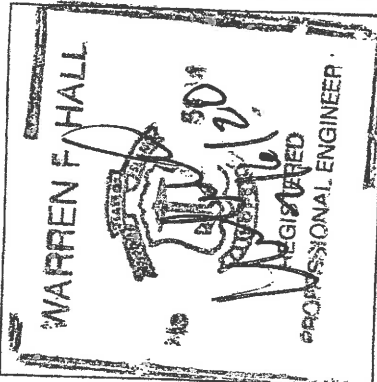
- ④ 10,000# BOAT LIFT
- ⑤ 4'x20' FIXED ACCESS DECK EL = 12.0
- ⑥ BATTER PILES
- ⑦ JET SKI LIFT

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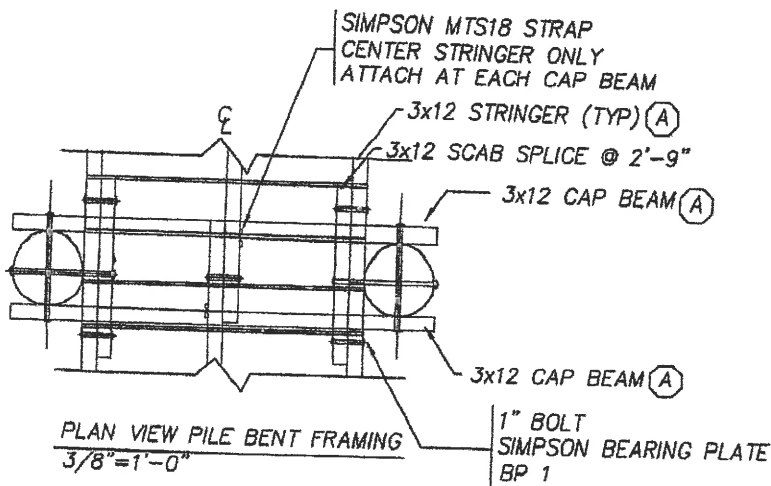


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- ④ 10,000# BOAT LIFT
- ⑤ 4'x20' FIXED ACCESS DECK EL = 12.0
- ⑥ BATTER PILES
- ⑦ JET SKI LIFT
- ⑧ 3x3x12 STRINGER FASTENED TO DECK WITH SIMPSON ANCHORS



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GREENHEART PILE PROPERTIES:
 MODULUS OF RUTURE 19,300 PSI
 MODULUS OF ELASTICITY 2,470,000 PSI

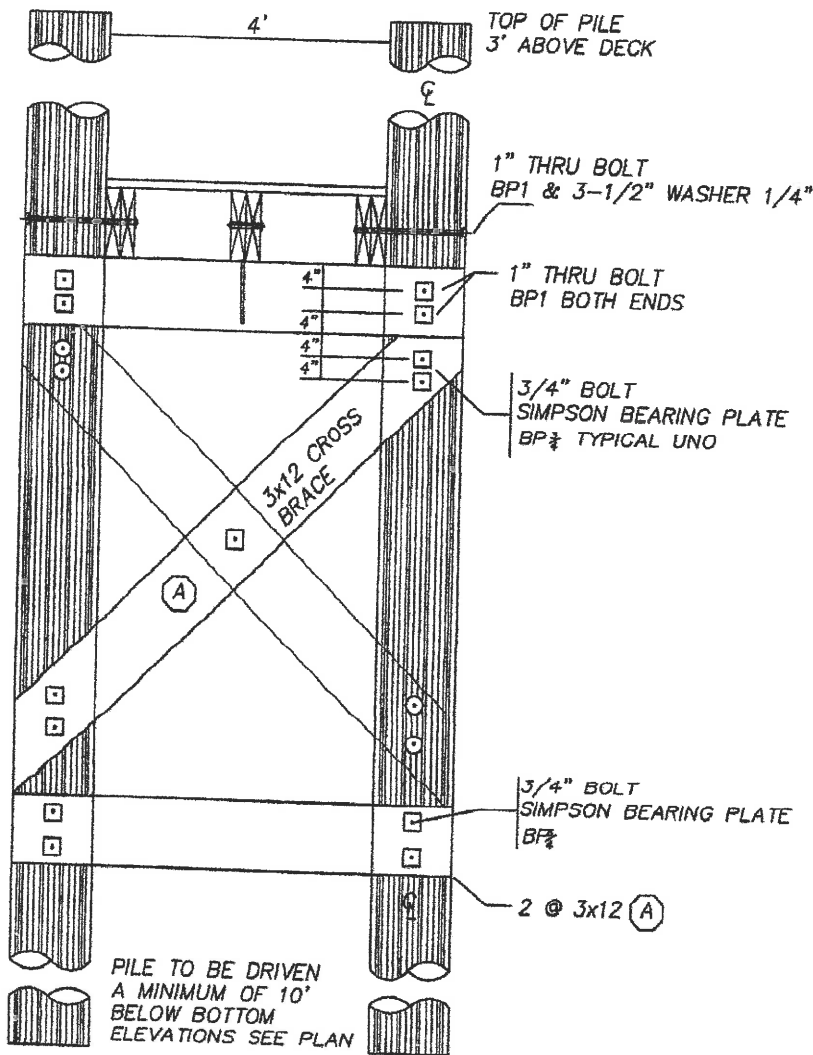
FRAMING PROPERTIES:
 (A) 3x12: 3-1/2"x11-7/8" POWER LAM BEAMS
 Fb=2400psi, E=1,800,000psi, Fv=300psi

SOUTHERN YELLOW PINE
 Fb 1200 PSI
 Fv 80 PSI
 DECK PLANKS TO BE 3x8 #1 GRADE

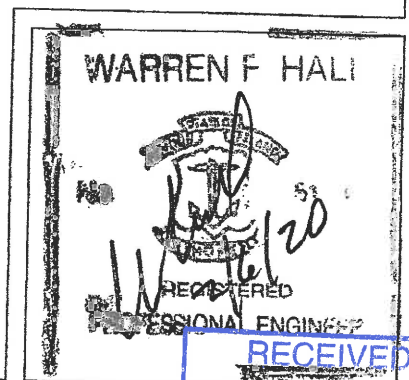
- NOTES:**
- 1) ALL BOLT HOLES SHALL BE PRE DRILLED 1/16" GREATER THAN DIAMETER OF BOLT
 - 2) ALL BOLTS SHALL BE HDG ASTM A307 GRADE A WITH HEAVY HEX NUTS

LEGEND
 SS: STAINLESS STEEL
 HDG: HOT DIPPED GALVANIZED

ALL PILES SHALL BE GREENHEART
 UNLESS NOTED

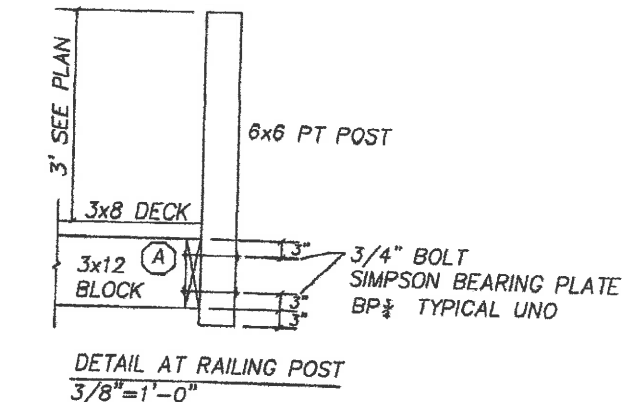
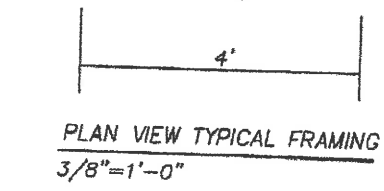
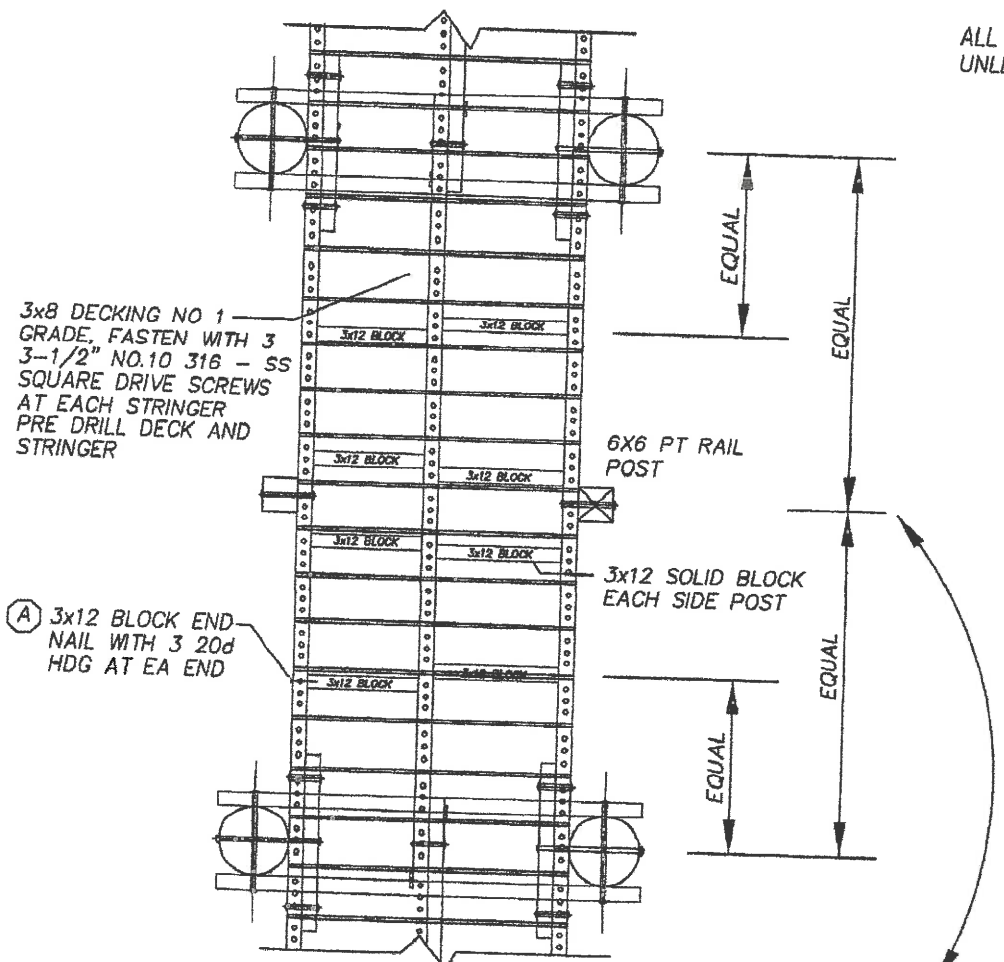


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ALL PILES SHALL BE GREENHEART UNLESS NOTED



(A) 3x12: 3-1/2"x11-7/8" POWER LAM BEAMS
 $F_b=2400\text{psi}$, $E=1,800,000\text{psi}$, $F_v=300\text{psi}$

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WARREN F. HALL

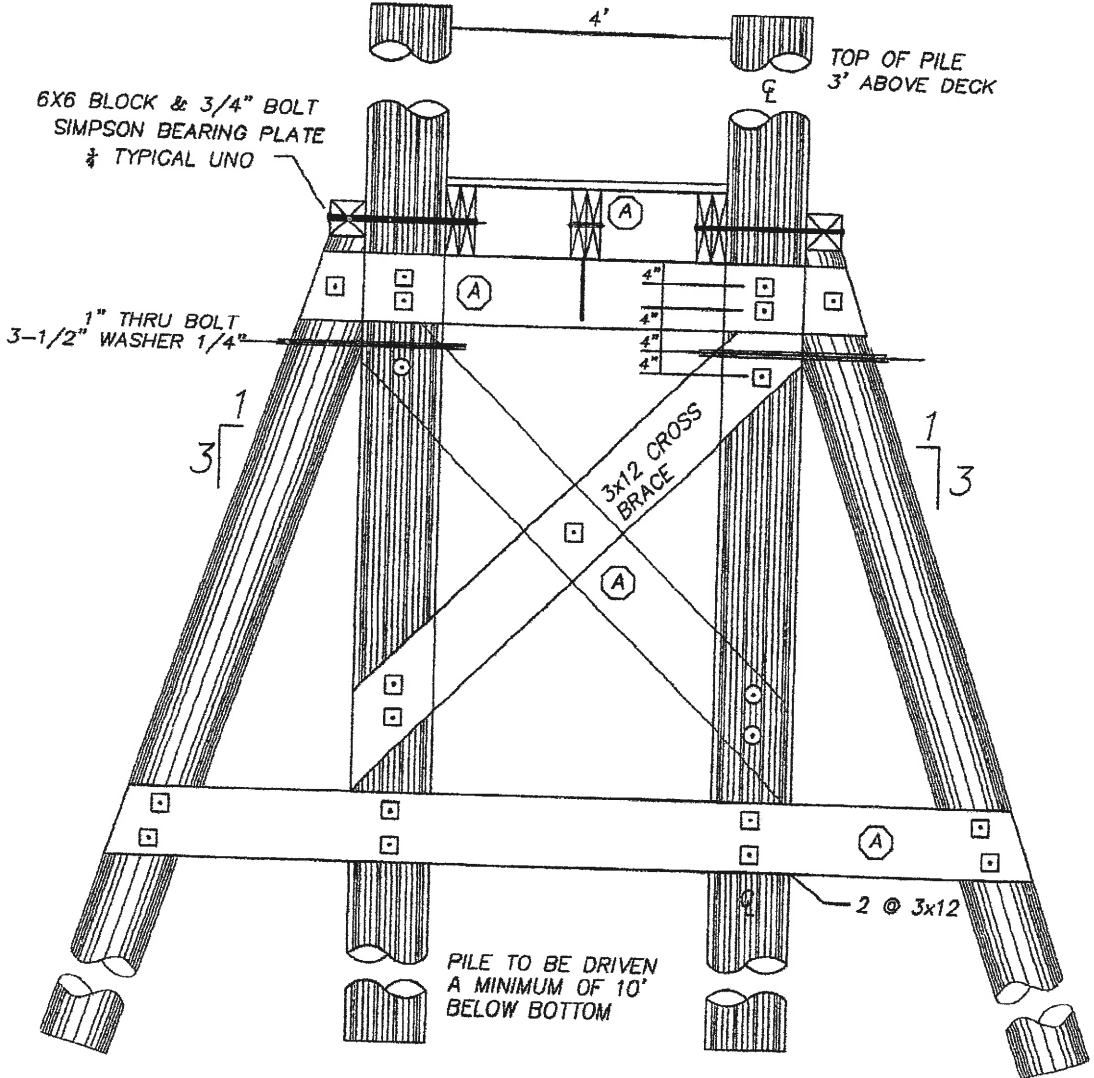
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 Fb=2400psi, E=1,800,000psi, Fv=300psi

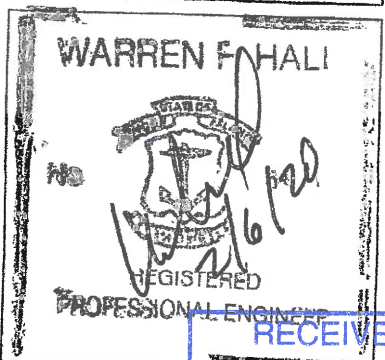
ALL PILES SHALL BE GREENHEART
 UNLESS NOTED



TRANSVERSE SECTION PILE BENT
 3/8"=1'-0"

PILE TO BE DRIVEN
 A MINIMUM OF 10'
 BELOW BOTTOM

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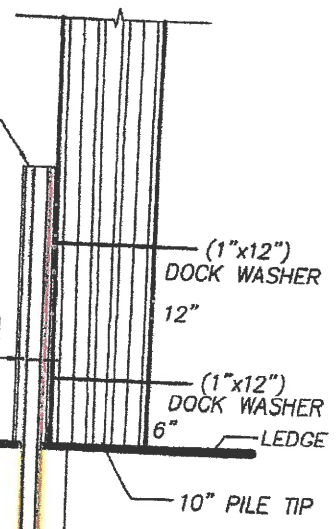
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3" SC 80
STEEL PIPE
WELD 2 @ 1x12" BOLTS
TO PIPE, PRE DRILL WOOD
PILE TO ACCEPT BOLTS
SEE PLAN FOR LOCATION

HI PRESSURE GROUT FORCED
THROUGH ANNULUS BETWEEN
3" PIPE AND 1-1/2" PIPE

HI PRESSURE GROUT FORCED
THROUGH ANNULUS BETWEEN
DRILL STEEL & 1-1/2" STEEL
PIPE, GROUT THEN FORCED INTO
ANNULUS BETWEEN STEEL PIPE &
LEDGE FORMATION

2" CARBIDE STEEL ROCK DRILL BIT
(TO REMAIN IN PLACE)



LEDGE

(1"x12")
DOCK WASHER
12"

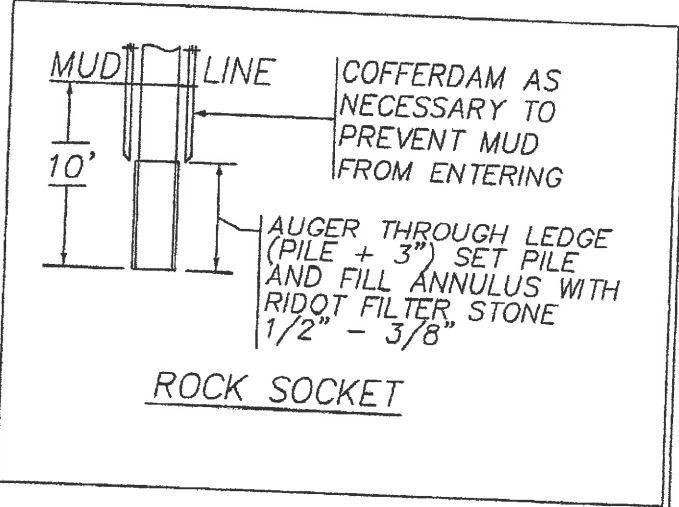
(1"x12")
DOCK WASHER
6" — LEDGE

10" PILE TIP

1-1/2" SC. 40 PIPE
1-1/8" DRILL STEEL

SET PINS (THREADED)

LEDGE ANCHOR



MUD LINE

COFFERDAM AS
NECESSARY TO
PREVENT MUD
FROM ENTERING

10'

AUGER THROUGH LEDGE
(PILE + 3") SET PILE
AND FILL ANNULUS WITH
RIDOT FILTER STONE
1/2" - 3/8"

ROCK SOCKET

LEDGE ANCHOR & ROCK SOCKET

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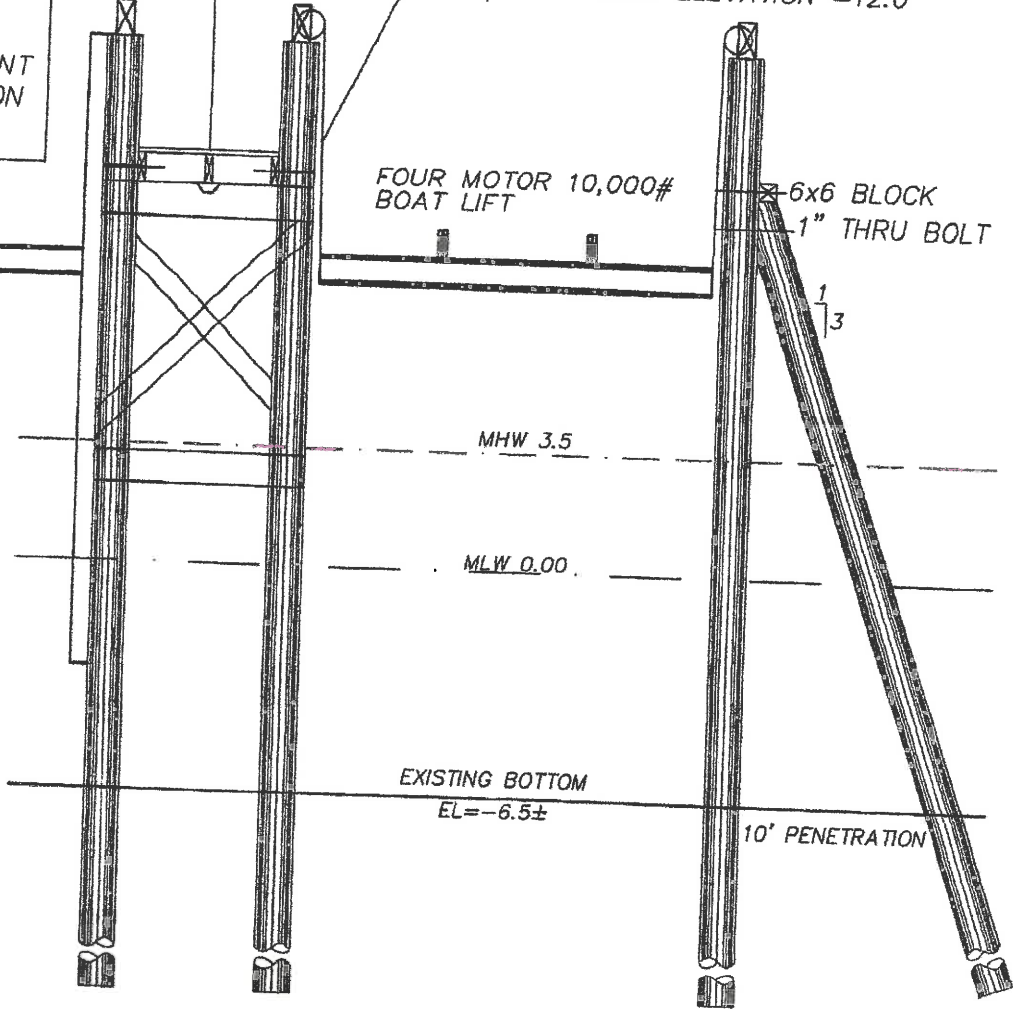
JET SKI LIFT
INSTALL STOP
BLOCKS TO PREVENT
GUNWALE ELEVATION
ABOVE DECK, 12.0

DECK ELEV 12.0

SET STOP BLOCKS TO PREVENT
GUNWALE OF VESSEL FROM ELEVATING
ABOVE DECK ELEVATION =12.0

FOUR MOTOR 10,000#
BOAT LIFT

6x6 BLOCK
1" THRU BOLT



MHW 3.5

MLW 0.00

EXISTING BOTTOM
EL=-6.5±

10' PENETRATION

SECTION THRU LIFTS

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