



Interoffice Memorandum

Received on August 18, 2021


Publish: September 12, 2021

Deadline: September 7, 2021

August 18, 2021

To: Katie Smith, Manager
Comptroller Clerk's Office

Through: Cheryl Gillespie, Agenda Development Supervisor
Agenda Development

From: David D. Jones, P.E., CEP, Manager
Environmental Protection Division
(407) 836-1406 

**Staff Person: Elizabeth R. Johnson, CEP, Assistant Manager
Environmental Protection Division
(407) 836-1511**

Subject: Request for Public Hearing on September 28, 2021, at 2:00 p.m., for a Shoreline Alteration/Dredge and Fill Permit Application (SADF-21-07-014) to construct a new seawall along the shoreline of the Lake Blanche/Lake Chase canal at 5614 Bay Side Drive, Orlando, FL 32819, Parcel ID No. 21-23-28-5938-00-470, District 1

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Applicants: Mark and Becky Simmons

Type of Hearing: Shoreline Alteration/Dredge and Fill Permit Application

Hearing required by
Florida Statute # or Code: Chapter 33, Article IV, Windermere Water and Navigational Control District

Advertising requirements: Publish once in a newspaper of general circulation in Orange County at least (7) seven days prior to public hearing.

Advertising timeframes: At least (7) seven days prior to public hearing.

Abutters to be notified: The applicants and the property owners within 500 feet of the project area will be notified at least (7) seven days prior to public hearing by the Environmental Protection Division (EPD).

Lake Advisory Board
to be notified: Windermere Water & Navigational Control District
Ijaz Ahmed (Chairman) – ijazahmed736@gmail.com

September 28, 2021

Request for Public Hearing – Shoreline Alteration/Dredge and Fill Permit Application for Mark and Becky Simmons (SADF-21-07-014)

Page 2

Estimated time required

For public hearing: 2 minutes

Municipality or other

Public Agency to be

notified:

South Florida Water Management District – lprather@sfwmd.gov

Hearing Controversial:

No

District #:

1

Materials being submitted as backup for public hearing request:

1. Site Plan
2. Location Map

Special Instructions to Clerk:

1. Once the Board of County Commissioners makes a decision on the Shoreline Alteration/Dredge and Fill Permit Application, please submit the decision letter to Liz Johnson with EPD. EPD will issue the decision to the applicant.

Advertising Language:

1. Applicants, Mark and Becky Simmons, are requesting a Shoreline Alteration/Dredge and Fill Permit (SADF-21-07-014) to construct a new seawall along the shoreline of the Lake Blanche/Lake Chase canal pursuant to Chapter 33, Article IV, Windermere Water and Navigational Control District; 5614 Bay Side Drive, Orlando, Parcel ID No. 21-23-28-5938-00-470, District 1 (property legal description on file at EPD).

NS/NT/TMH/ERJ/DJ: jk

Attachments

Shoreline Alteration/Dredge and Fill Permit Request



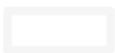
**Shoreline Alteration/Dredge
and Fill Permit Request**
SADF-21-07-014
District #1

Applicants: Mark and Becky Simmons

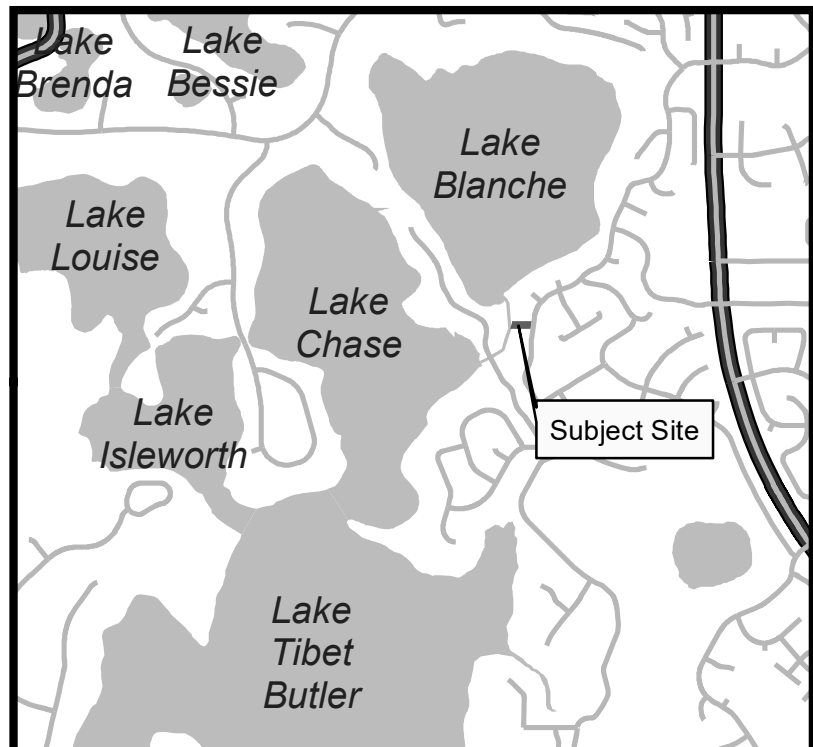
Address: 5614 Bay Side Drive

Parcel ID: 21-23-28-5938-00-470

Project Site



Property Location



Simmons Residence Dock

received
8/13/2021

Specifications and Notations:

General Notes:
G1. These notes shall apply to all work in this set of drawings.
G2. It will be the responsibility of the contractor(s) to insure that all required permits are obtained and are in hand at the job site prior to the commencement of construction. Contractors shall abide by all conditions contained therein.
G3. Prior to commencement, the contractor shall provide a construction schedule for various site work elements so that site visits may be coordinated.
G4. The contractor shall immediately notify the engineer of any discrepancies found between the drawings and the field conditions prior to construction in the area impacted by the conflict.
G5. In accordance with Florida Law (553.851) the contractor must notify the gas or other utility a minimum of 48 hours and a maximum of five days prior to excavation. (Excluding weekends).
G10. All requirements and recommendations of inspection personnel other than the owner's shall be reported to the engineer/owner prior to implementation. Compensation will not be allowed for work which is not authorized by the engineer/owner.
G11. All work shall be open to and subject to inspection by authorized personnel of the utility companies, project engineer and regulatory agencies.
G12. Contractor shall notify all appropriate utility companies and water management agencies of proposed start up. All work shall be in accordance with their requirements; including but not limited to water, sewer, drainage, power, telephone, Gas and cable TV companies.

Grading & Drainage Specifications:

1. In accordance with Florida Law (553.851) the contractor must notify the gas or other utility a minimum of 48 hours and a maximum of five days prior to excavation. (Excluding weekends).
2. Contractor shall verify all existing grades in the field and shall notify the engineer of any discrepancies prior to construction.
3. Where new earthwork meets existing, smoothly blend line and grade of existing and new to provide vertical curves at the top and bottom of all slopes.
4. Excavation required within proximity of utility lines shall be done by hand. Contractor shall repair any damage to existing utilities incurred during construction.
5. All points of construction ingress and egress shall be maintained to prevent tracking or flow of sediment onto public roads, adjacent wetlands or bodies of water.

E - Erosion and Siltation Control

E1. A suitable perimeter silt fence shall be constructed and maintained for the duration of the project. The silt fence shall be built at the "silt fence line" as defined on the plans. Outlets and discharge points shall be protected with two layers of hay bales and filter cloth. Adjacent wetlands and open bodies of water, contractor must use a double fence separated by 5 feet. (See sheet for specific erosion control placement and details.)
E2. Sod all disturbed areas not shown as landscaping, slopes 6:1 or greater, swales, and ponds.
E3. Protect at all time against runoff or dewatering pollution of any downstream area or adjacent properties. Correct problems immediately.

Schedule of Drawings

C1 - Cover Sheet & Site Plan
C2 - Dock Installation Plan
C3 - Elevations & Seawall Details

Site Address:
5614 Bay Side Dr
Orlando, FL 32819-4045

Parcel ID: 21-23-28-5938-00-470

Engineer:
Darcy Unroe PE
Unroe Engineering, Inc
PO Box 690942
Orlando, Florida 32869
Ph (407) 299-0650



Project Description

Install new private boat dock on an residential property.

Design Load Table

Floor Live Loads	
Decks & Walkways	- 60 psf
Roofs	- 20 psf
Wind Design Data	
Ultimate Wind Speed	- 139 mph
Basic Wind Speed	- 108 mph
Risk Category	- II
Wind Exposure	- D
Exposure Class	- Not Enclosed
Int pressure Coeff	- 0.55+/-
Peak Wind Load	- 35.99 psf

Project Data

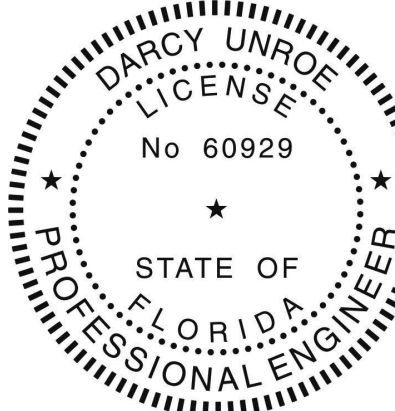
General Information	
Total Site Area	21,923 sf (0.50 Ac)
Width at NHWL:	90 lf
Construction Data	
Construction Type:	V
Building Description:	PT Wood
Building Area:	780 sf
Applicable Codes	
Florida Building Code 2020	

Wood Frame Construction Notes:

- Design Parameters: per Load Table
- Lumber exposed to weather or contacting concrete or steel shall be pressure treated (PT)
- All lumber in contact with concrete products shall be shielded by a protective barrier.
- All fasteners in contact with pressure treated lumber are to be hot dipped galvanized or stainless steel.
- All dimensions shall be field verified. The engineer and owner shall be notified immediately of any discrepancies from dimensions or field conditions noted herein.
- Elevation views are for visual reference only. Always refer to layout plans for specified measurements.
- Anchor positions shall have a tolerance of $\pm \frac{1}{4}$ ".
- Written dimensions supercede scaled dimensions in all cases. Any dimensional discrepancies shall be brought to the attention of the engineer immediately.

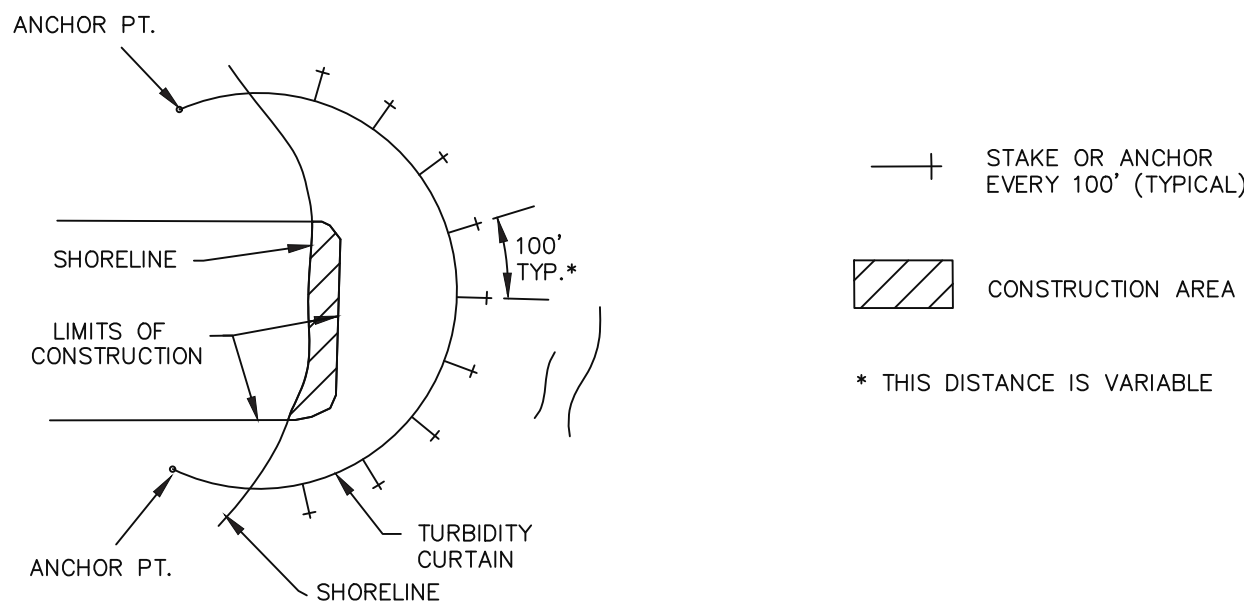
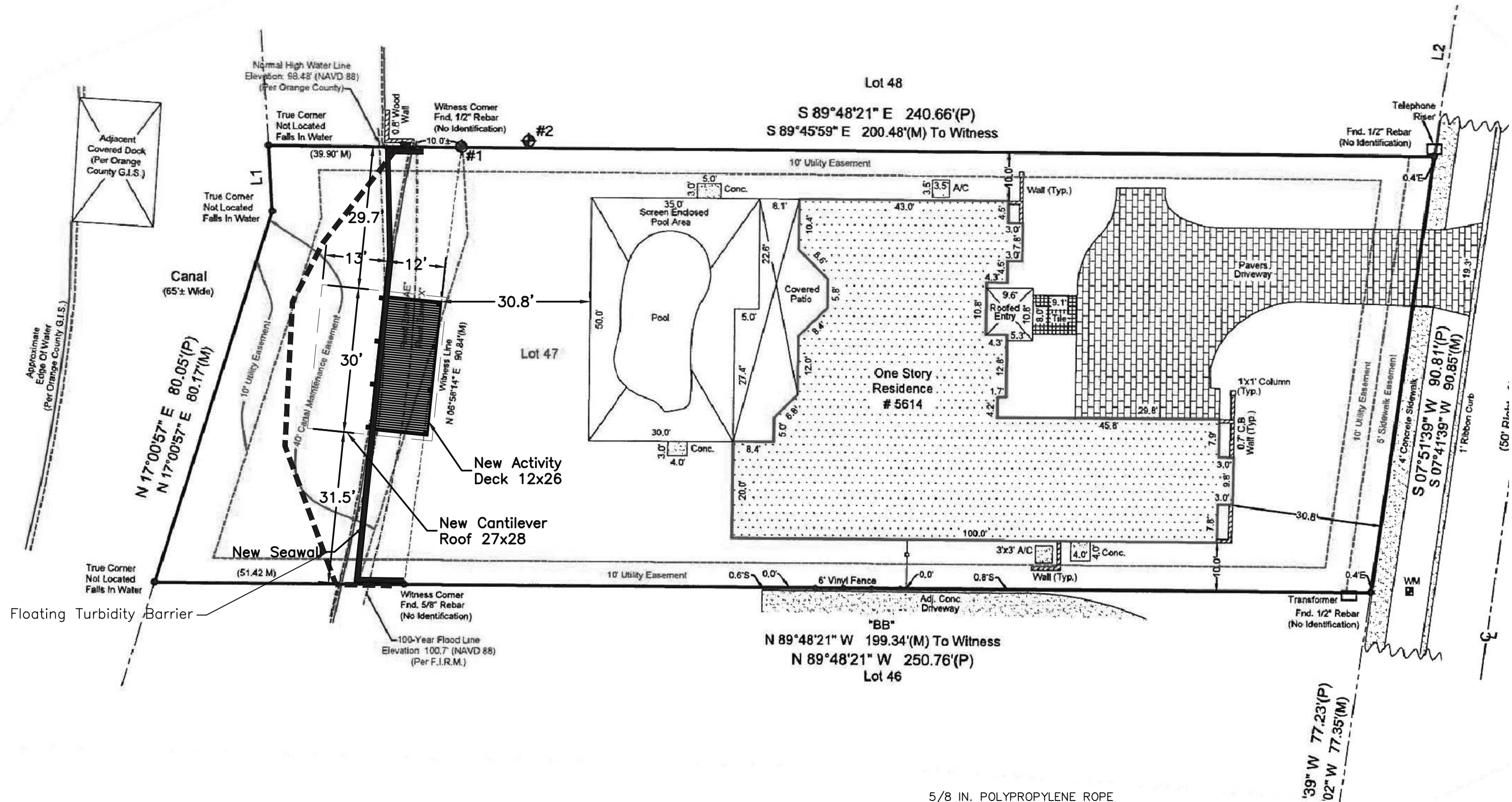
Dock Area Calculations

Length of property at the NHWL	- 90 lf
Dock Area Calculation	
Allowable area = (10sf/lf * 75lf + (90-75)*5sf/lf)	- 825 sf
Cantelever Roof (13x30)	- 390 sf < 825 (OK)

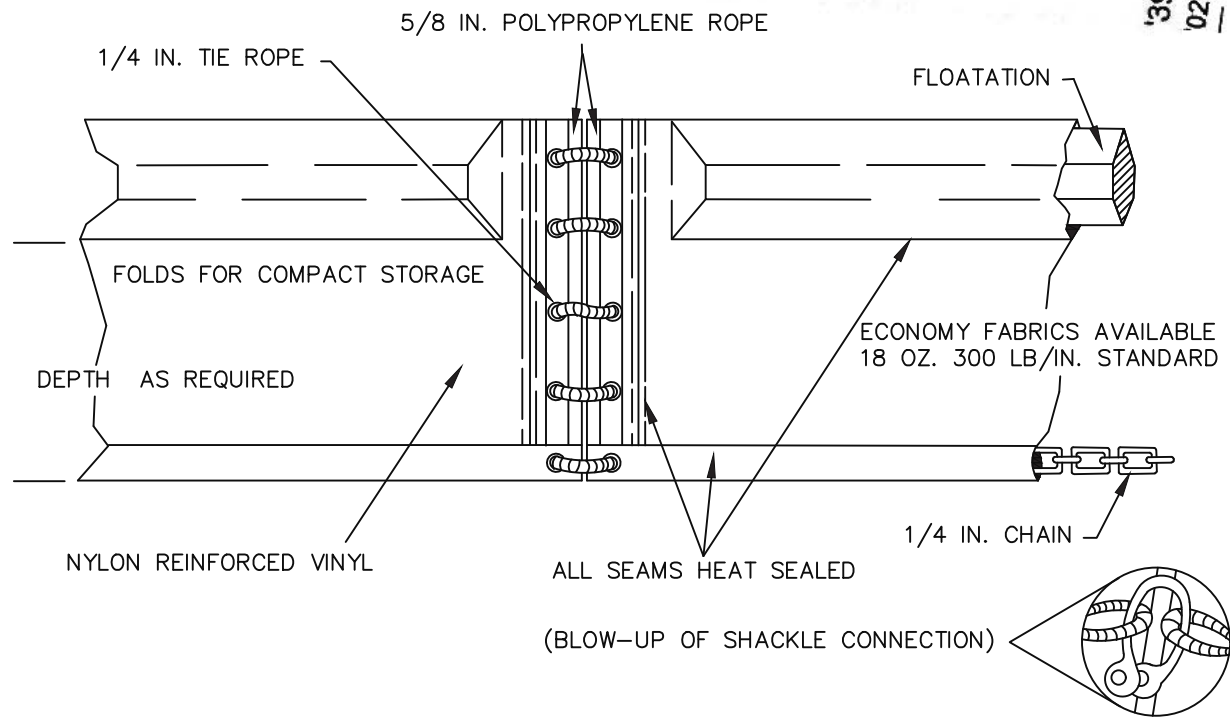


Darcy Unroe
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This item has been electronically signed and sealed by Darcy Unroe, PE 60929 on the date indicated using a Digital Signature
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TYPICAL LAYOUTS OF FLOATING TURBIDITY BARRIERS
STREAMS, PONDS, AND LAKES (PROTECTED AND NON-TIDAL)



TYPE I FLOATING TURBIDITY BARRIER

Floatation Material:
Expanded Polyethylene Logs, 6" diameter, 55" Long,
enclosed in 22 oz/sy PVC coated nylon or polyester (400
lbs min. tensile strength)
Curtain Material:
Silt film woven polypropylene (300 lbs min. tensile
strength)
Curtain Weight:
 $\frac{1}{4}$ " Galvanized steel chain.

Unroe Engineering, Inc
Civil Engineering/Planning/Scientific Evaluation
PO Box 690942, Orlando, FL 32869-0942
Business Authorization Number - EB 0006579

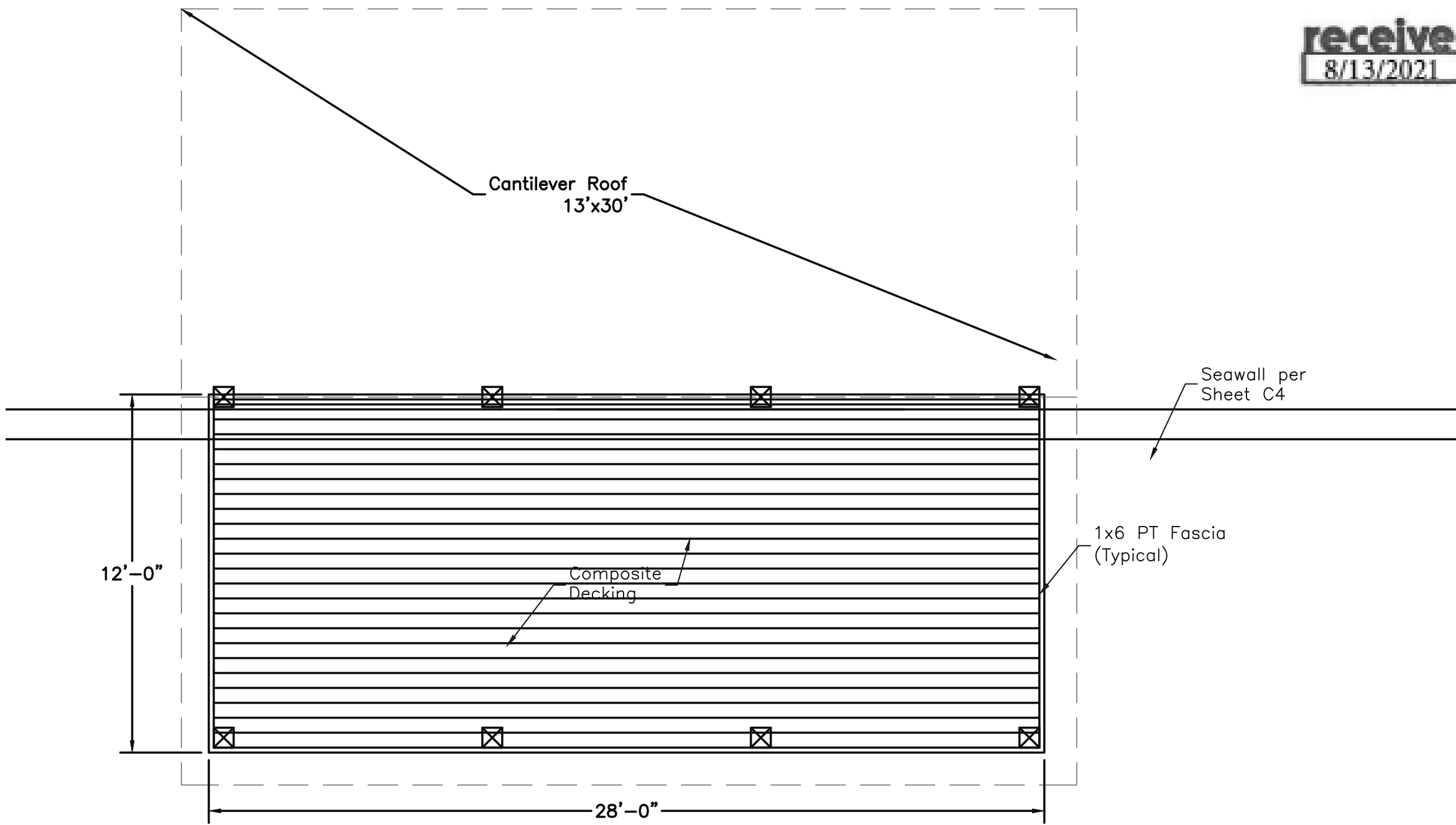
Cover Sheet & Site Plan
Simmons Residence Dock
5614 Bay Side Dr, Orlando, Florida 32819

DP	Drawn
DP	Checked
1"=20'	Scale
07/27/21	Date
Simmons-C1	File

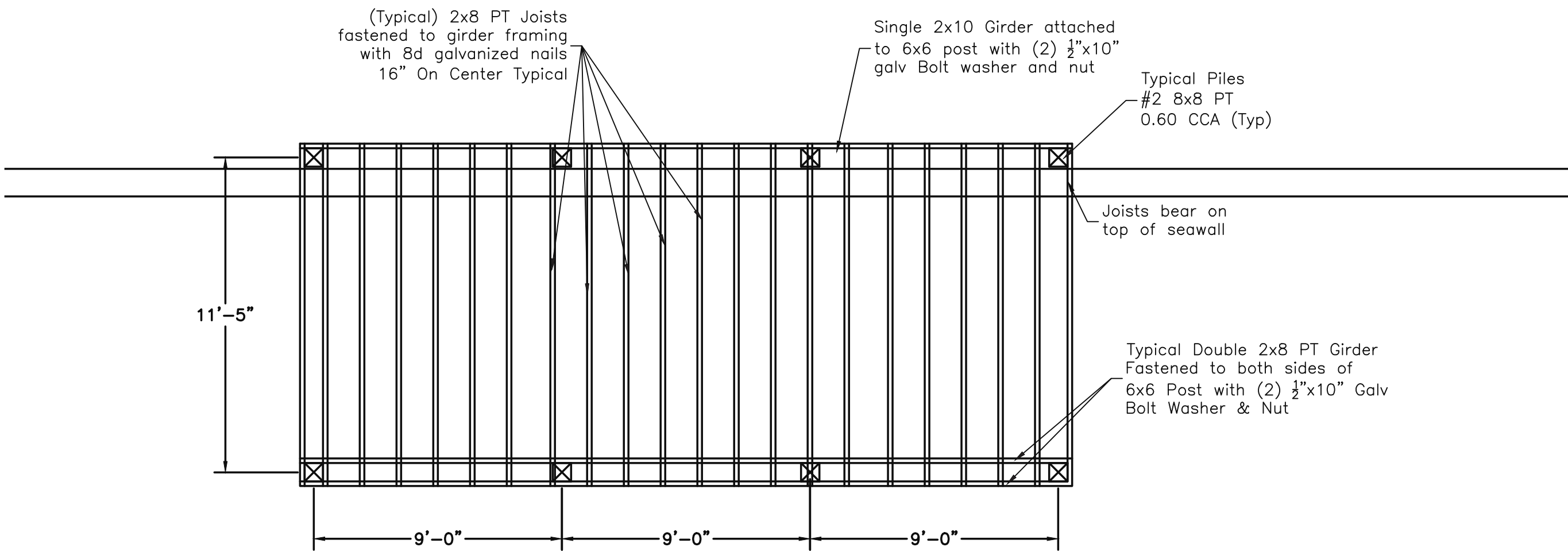
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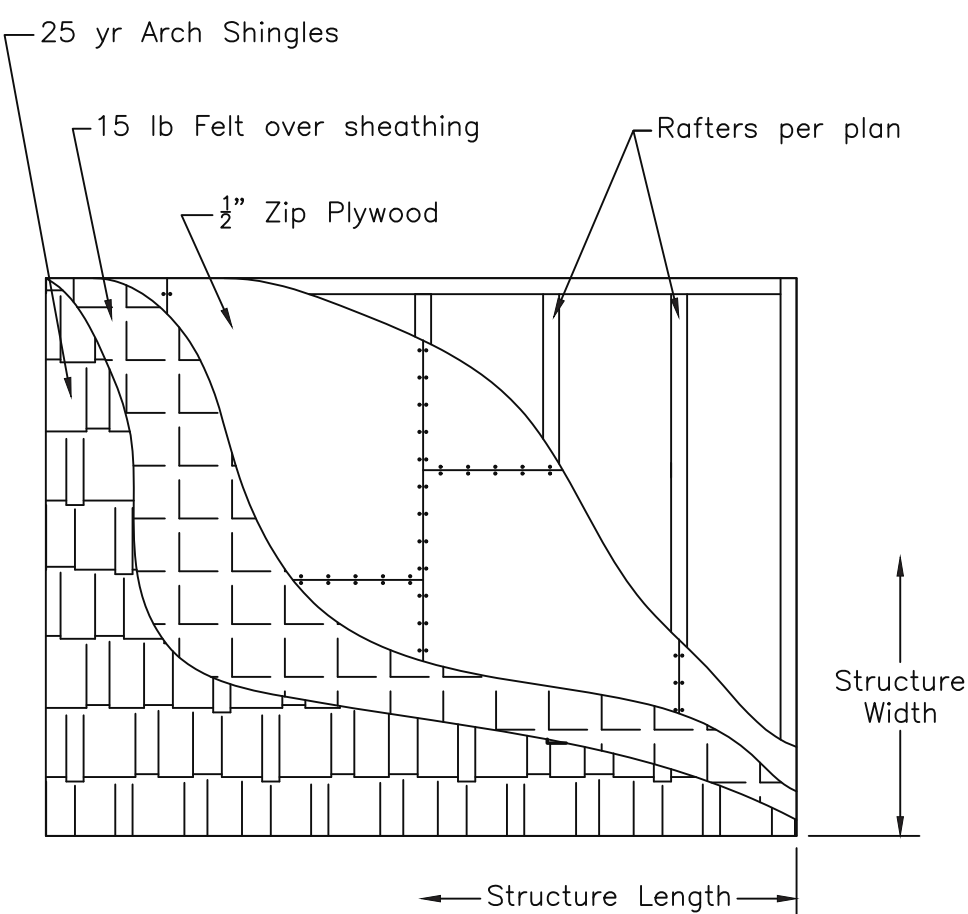
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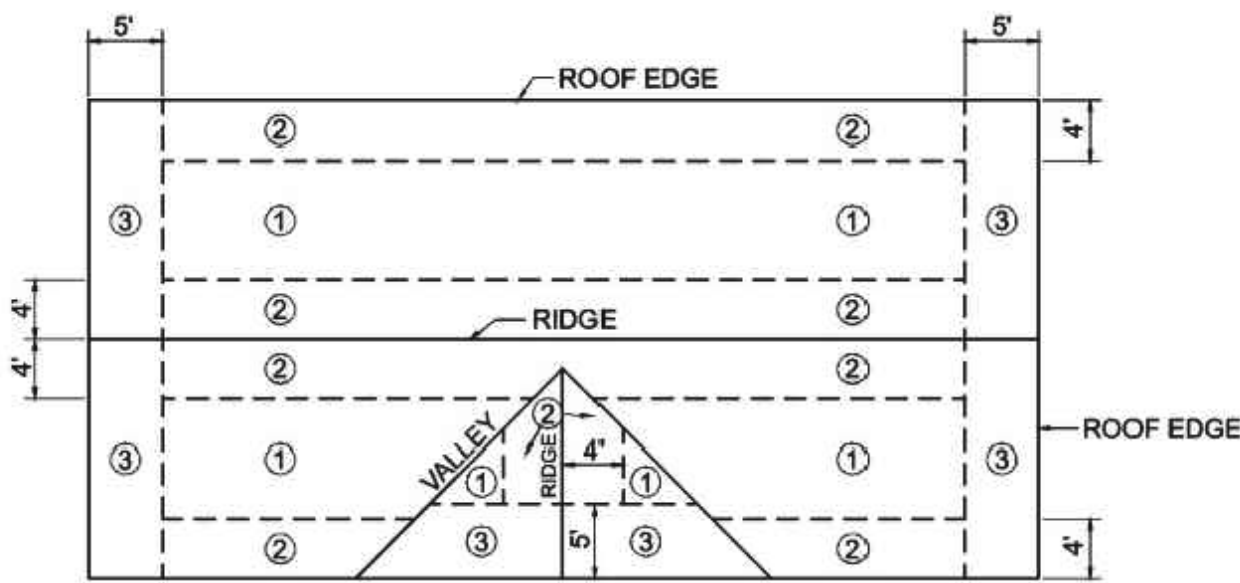
Terminal Deck Plan
Scale: 1'=1/4"



Terminal Framing Plan
Scale: 1'=1/4"



Roof Layering Detail - Shingle Roof



Nailing Zone Plan
Roof Sheathing Nailing Zone Legend
Zone 1 - Use 8d common nails 12' O.C.
Zone 2 & 3 - Use 8d common nails 6" OC

For 1x6 T&G Roof decking, use one nail per joist in all zones.

Deck Framing Specifications

Engineering Plan
Framing Type
Conventional Hand Framed (Typ)

Piles
#2 Grade Dense 6x6 Pressure Treated 0.60 CCA
Deck & Upper Level Framing
Girders & Joists shall be #2 Grade Type 1
2x8 Pressure Treated 0.40 CCA
Floor Decking
1x6 Composite Decking

Structural Connections

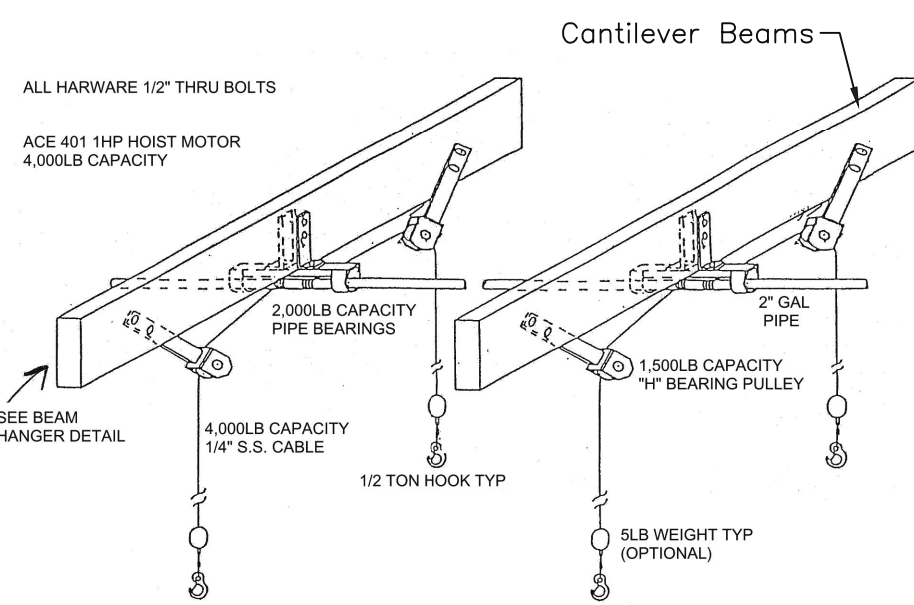
Floor Frame to Pile Connection
3/8" H.D.G. Thru Bolts

Roof Framing Specifications

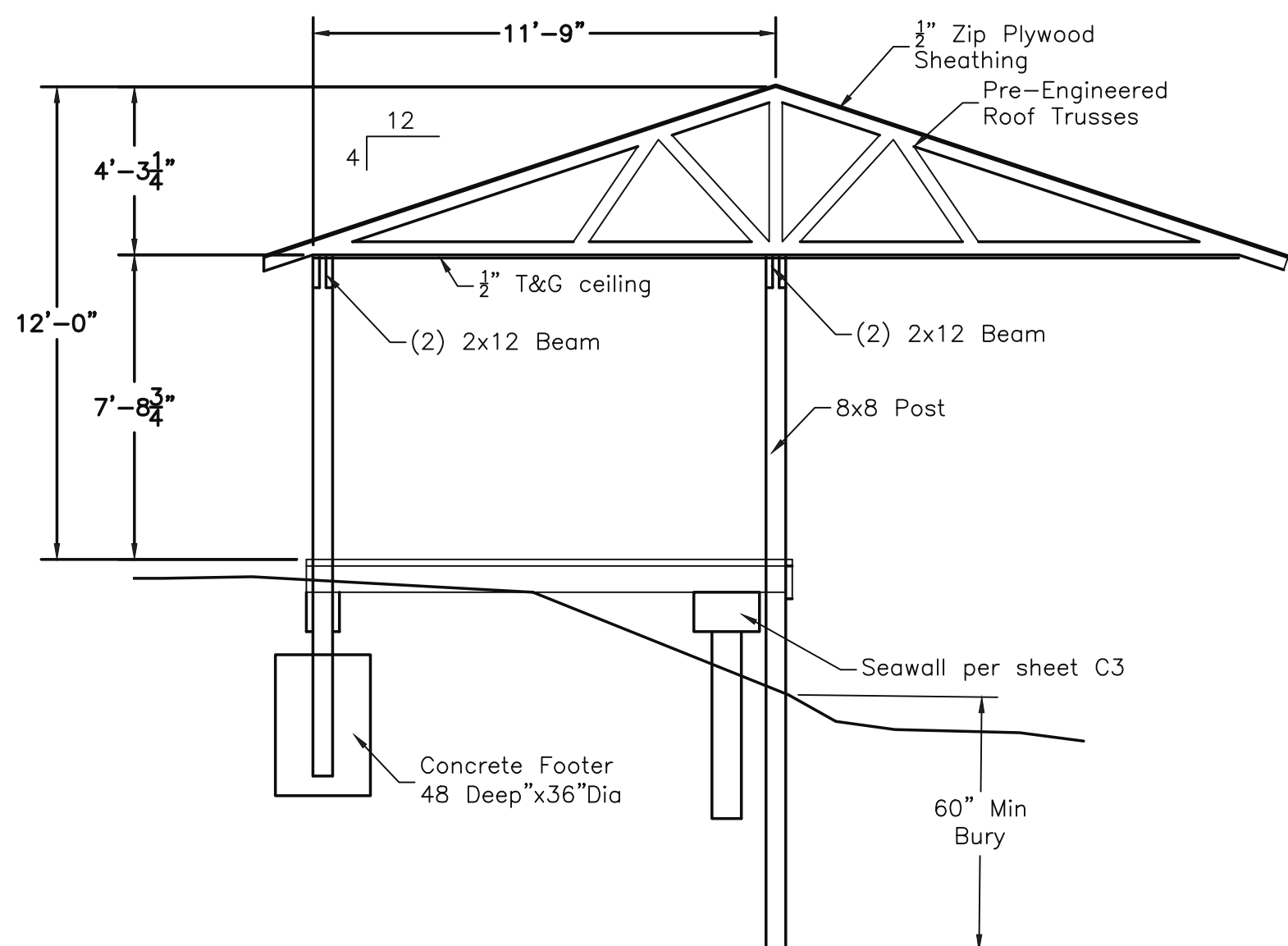
Piles
#2 Grade Dense 6x6 Pressure Treated 0.60 CCA
Framing
Roof Headers
(2) 2x12 Pressure Treated 0.40 CCA
Roof Decking
1/2" Zip Plywood

Bolting
Roof Frame to Pile Connection
1/2" H.D.G. Thru Bolts
Bracing to Pile Connections
3/8" H.D.G. Lag Screws

Engineering Plan
Deck Framing Type
Conventional Hand Framed
Roof Framing Type
Pre-Engineered Trusses

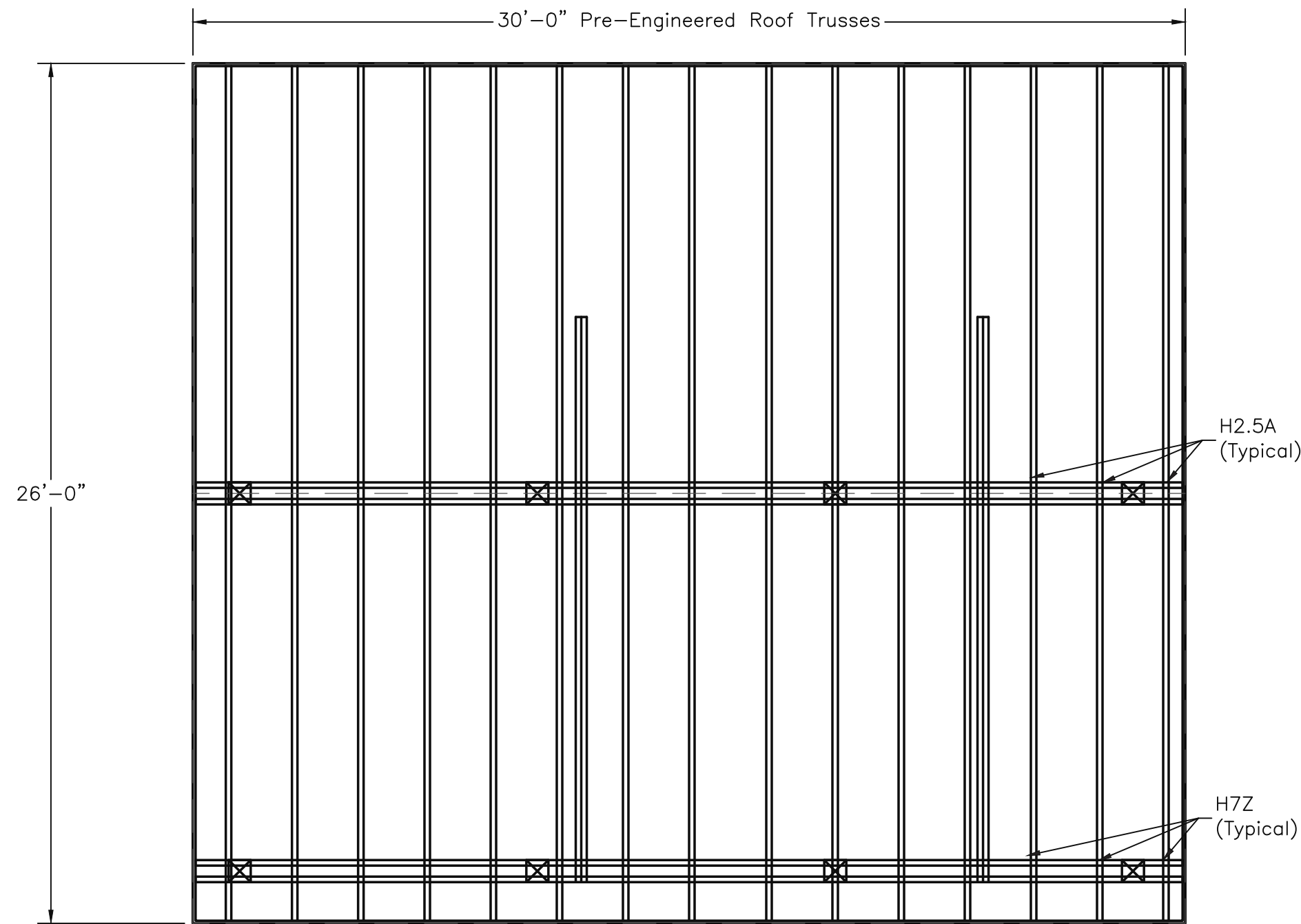


Boat Hoist Detail

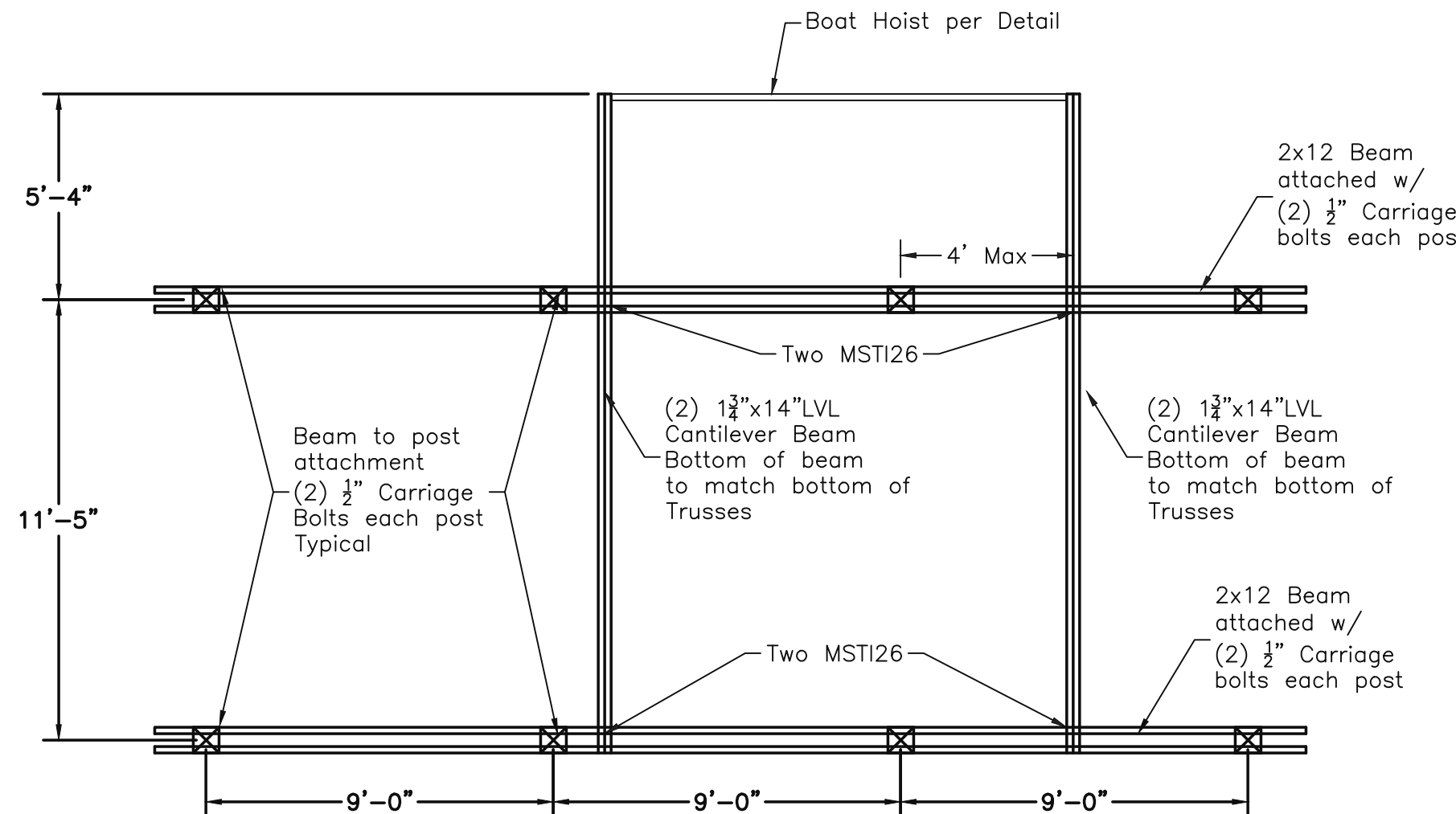


Construction Section

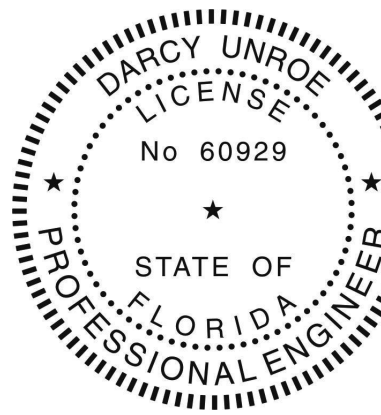
Scale: 1'=1/4"



Roof Framing Plan
Scale: 1'=1/4"



Roof Beam Plan
Scale: 1'=1/4"



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l=Orlando,
o=Unroe
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Civil Engineering/Planning/Scientific Evaluation
PO Box 60942, Orlando, FL 32869-0942
Business Authorization Number - EB 0006579 ph (407) 299-0650

Dock Installation Plan

Simmons Residence Dock

5614 Bay Side Dr. Orlando, Florida 32819

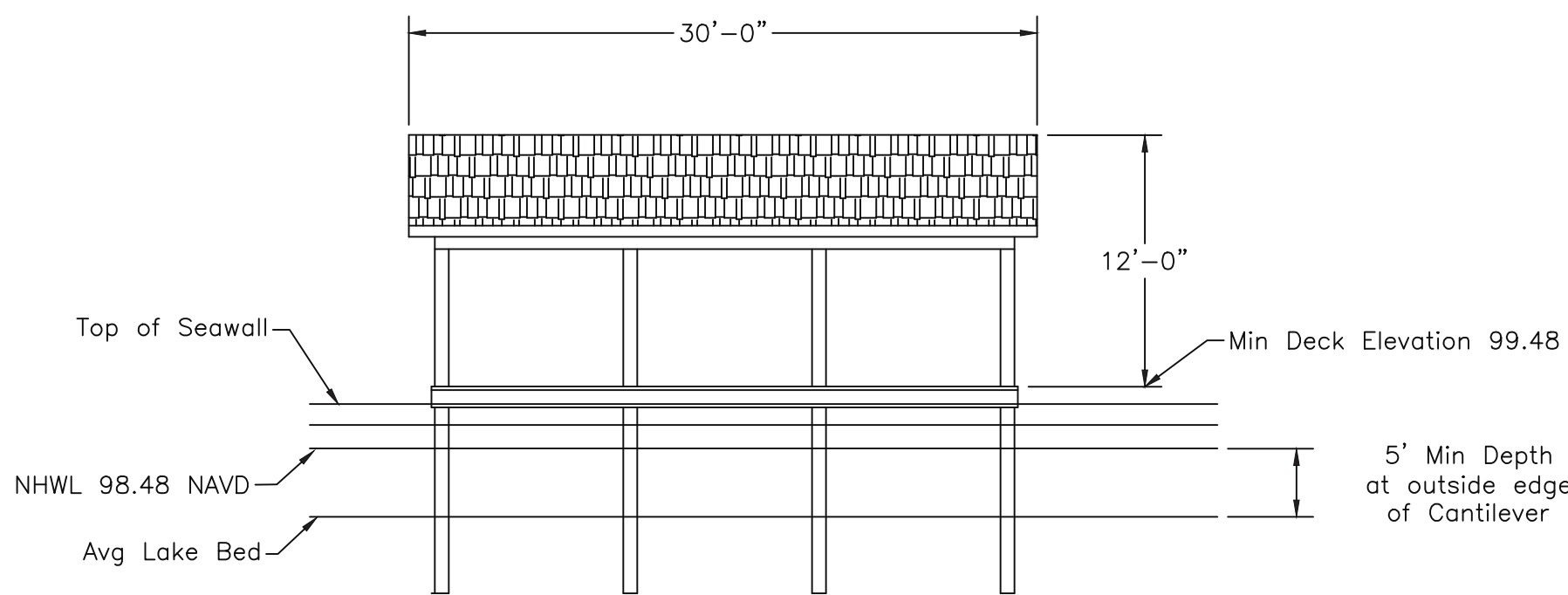
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Per Plan	Scale
7/27/21	Date
Simmons-C2	File

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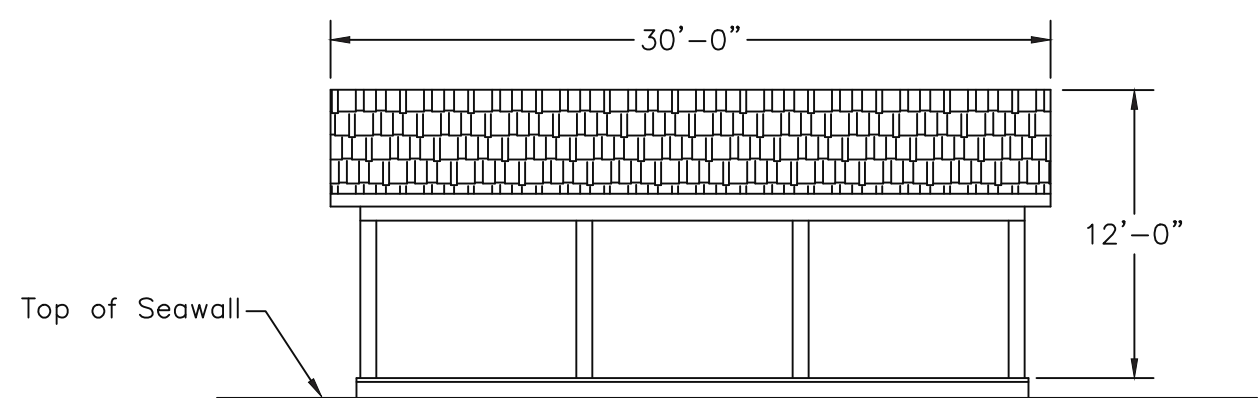
C2

2 of 3

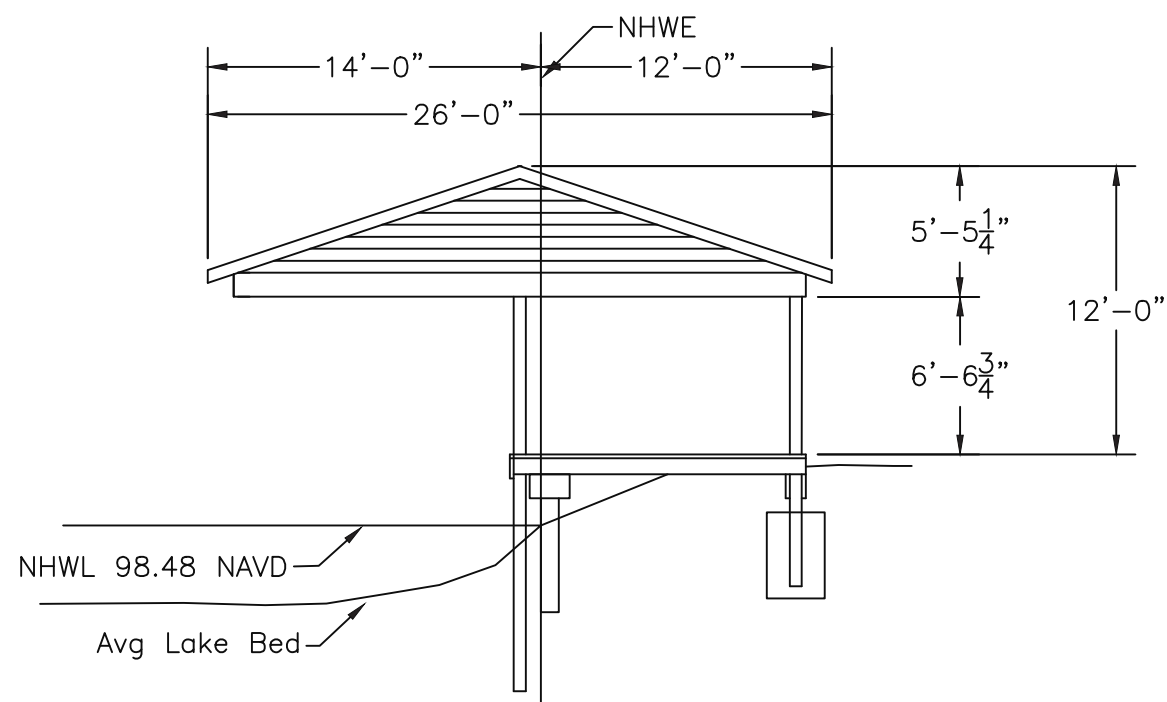
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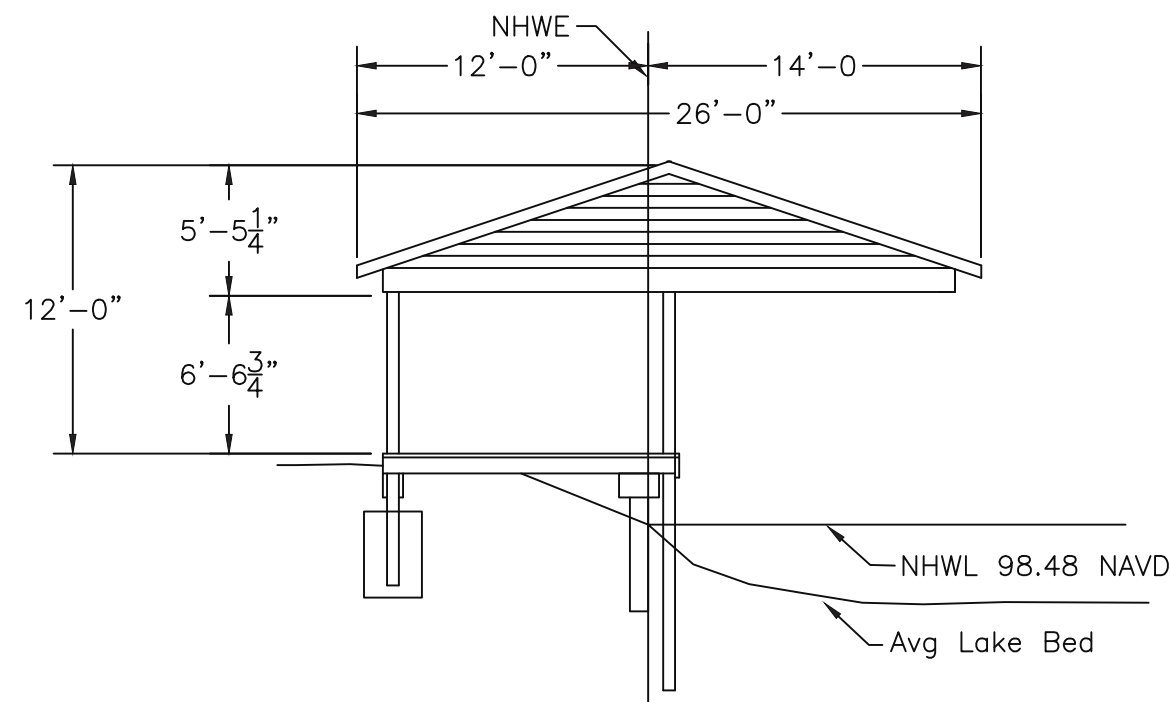
Front Elevation



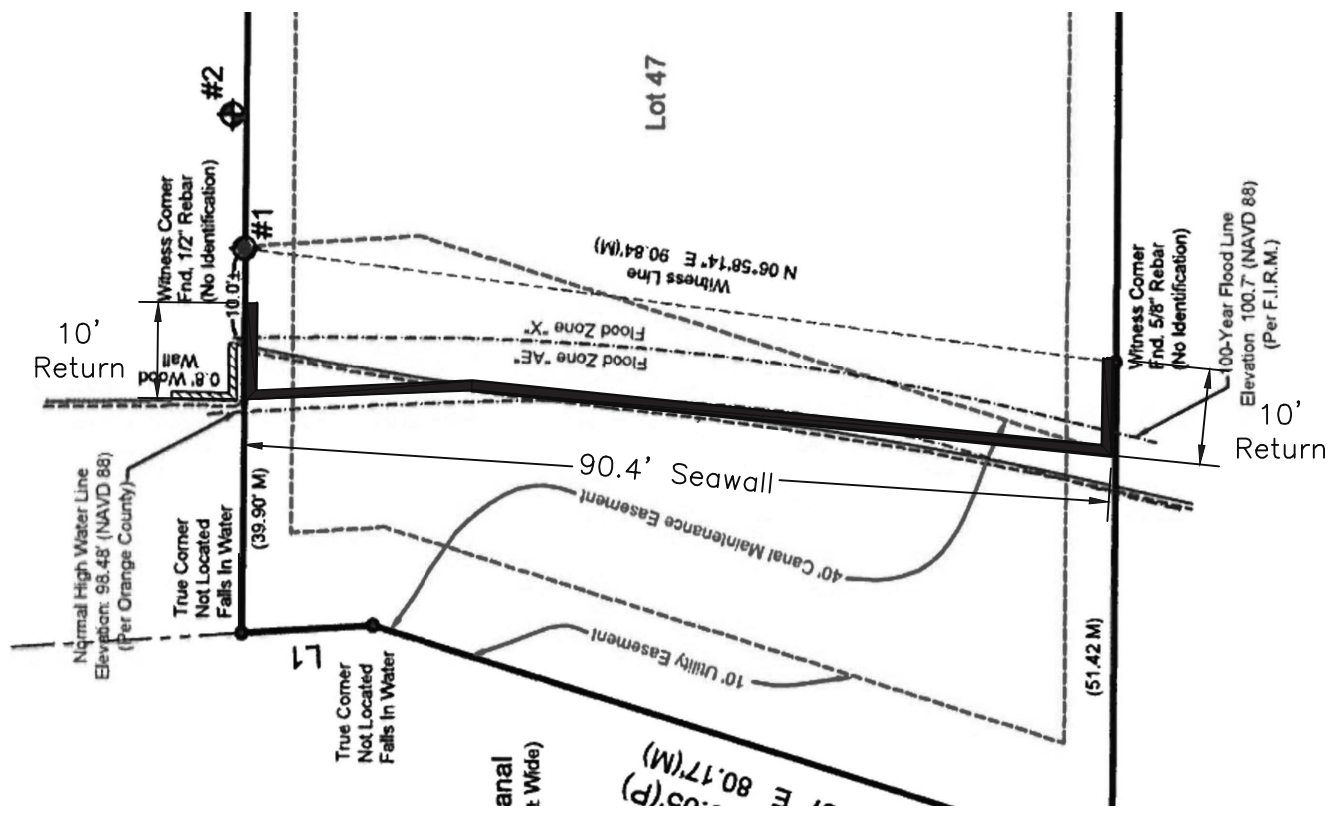
Rear Elevation



Side Elevation

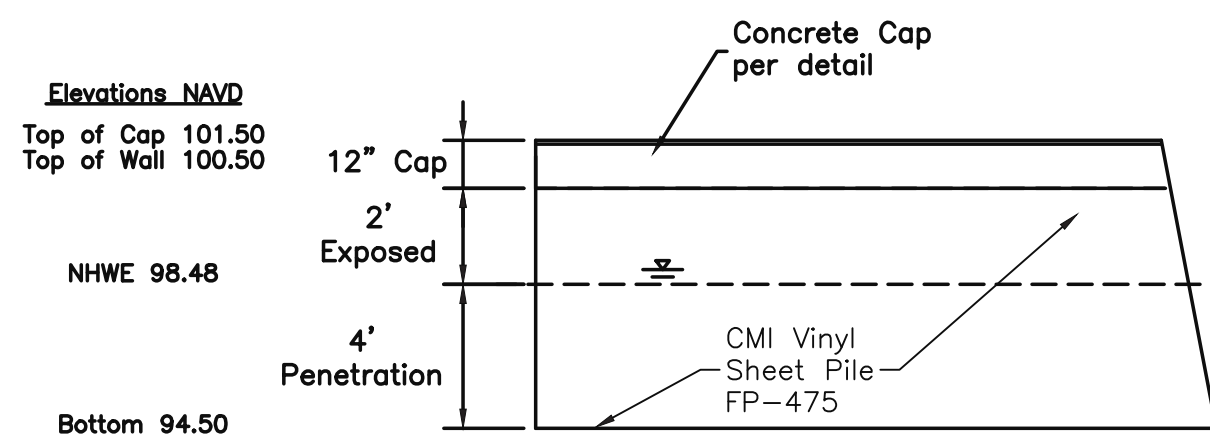


Side Elevation



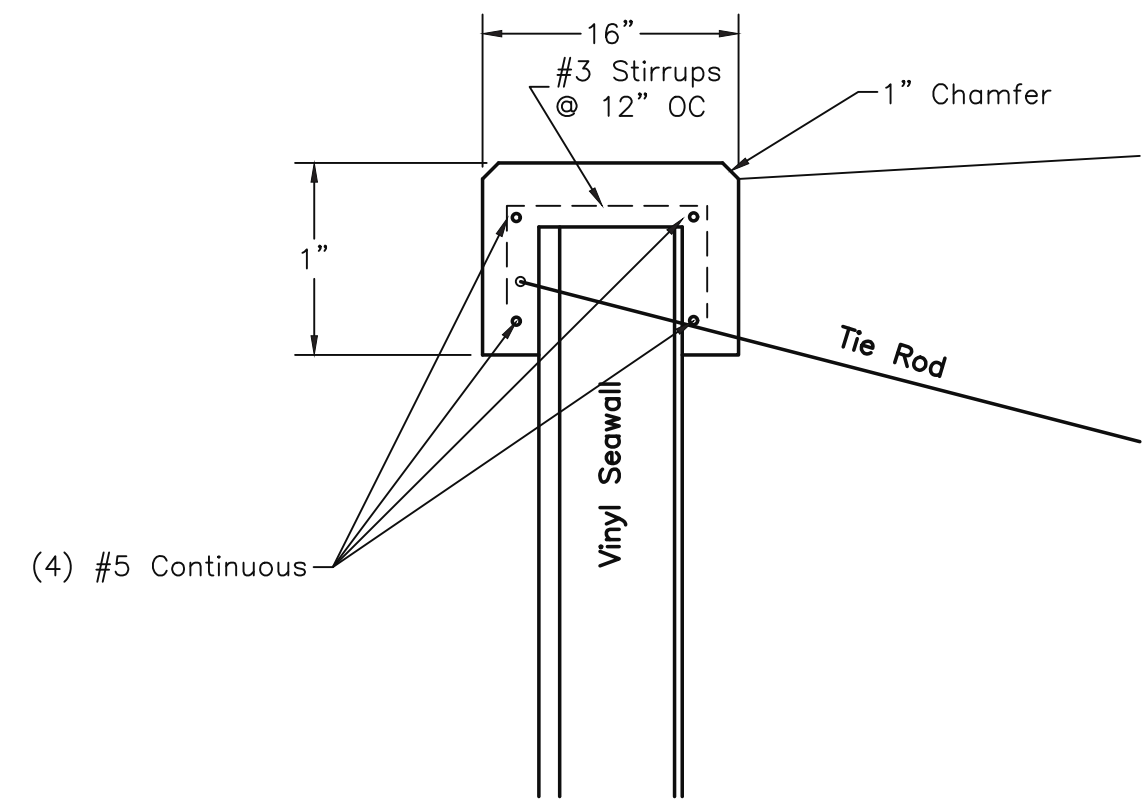
Seawall Layout Plan

Scale: 1"=20'

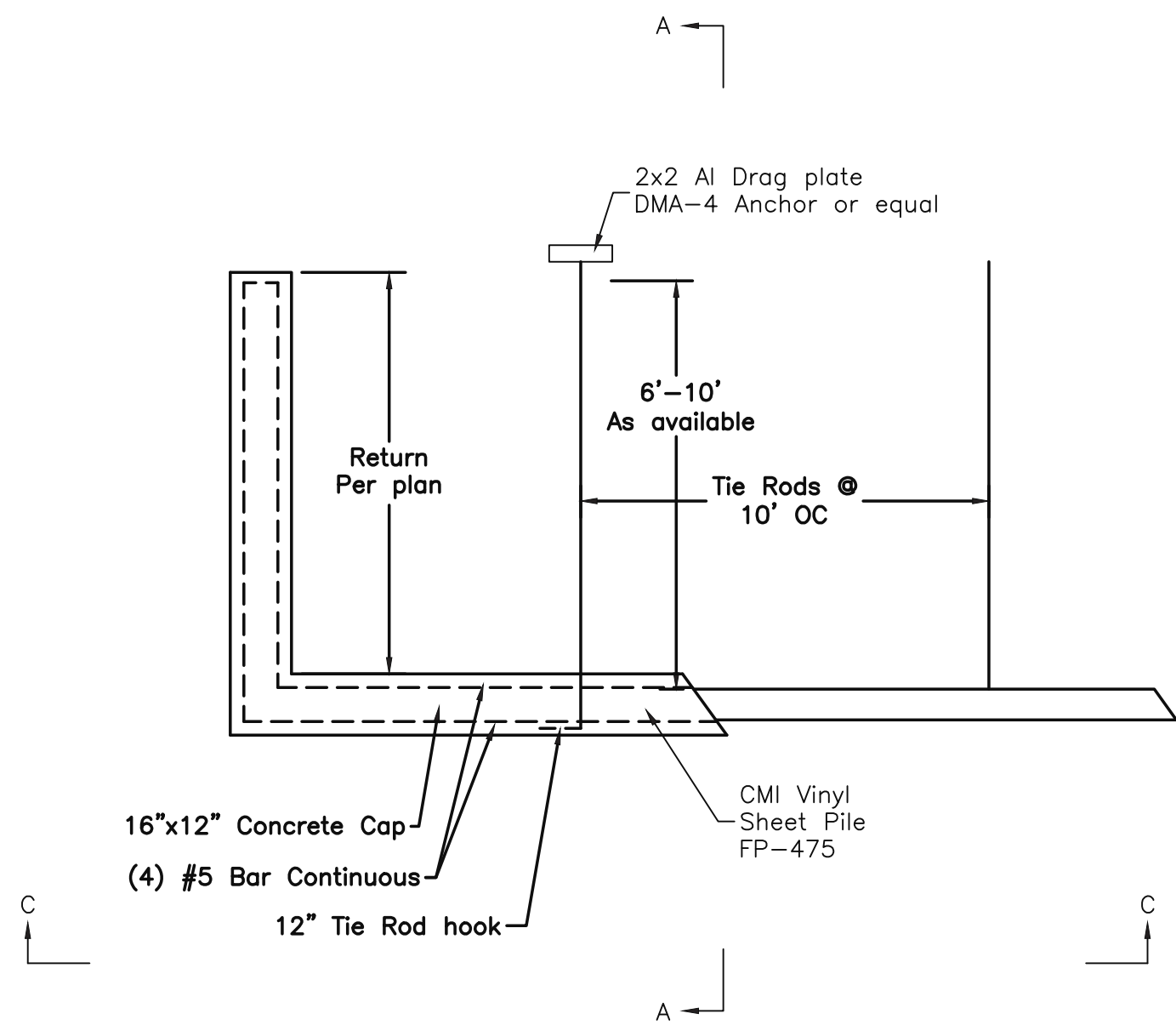


Elevation View (C-C)

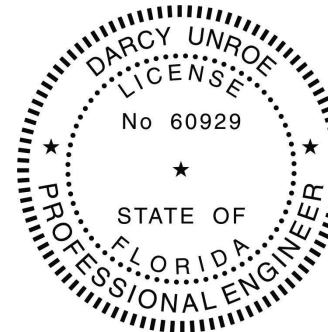
Scale: 1/4"=1'



Top Cap Section



Section View (A-A)



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email=Darcy@unroe
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Elevations & Seawall Details

Simmons Residence Dock

5614 Bay Side Dr. Orlando, Florida 32819

DP	Drawn
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Per Plan	Scale
7/27/21	Date
Simmons-C3	File

Dwg. No.
C3
3 of 3

