



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

August 24, 2020

Regulatory Division
West Permit Branch
Tampa Permits Section

PUBLIC NOTICE

Permit Application No. SAJ-2020-01880 (SP-PTR)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403) as described below:

APPLICANT: Quay Ventures, LLC
7807 Baymeadows Road East, Suite 205
Jacksonville, Florida 32256

WATERWAY AND LOCATION: The project would affect waters of the United States with a man enhanced basin (interior Hyatt Boat Basin) associated with Sarasota Bay. The project contains Waters of the U.S. The project site is located at 601 Quay Commons at Section 19, Township 36 South, & Range 18 East in Sarasota, Sarasota County, Florida.

Directions to the site are as follows: I-75 to exit 210 Fruitville Road (CR 780) in Sarasota County. Travel west on Fruitville Road for about 6.5 miles. To North Tamiami Trail (US 41). The site is straight ahead.

APPROXIMATE CENTRAL COORDINATES: Latitude 27.339182° N
Longitude -82.569136° W

PROJECT PURPOSE:

Basic: To construct a private multi-slip dock (pile-supported structure).

Overall: The proposed work includes removal of all of the existing dock structures (pilings) and construction of a private multi-slip dock (pile supported structure) at the same location as previously permitted. The project will provide boat mooring and access to the water for a mixed-use, master-planned waterfront district referred to as The Sarasota Quay. All proposed work is associated with the Interior Hyatt Boat Basin in Sarasota Bay, Florida.

EXISTING CONDITIONS: The Project Site is characterized as an open water area with existing pilings from the previous docking structure. The adjacent lands are previously

disturbed for development and/or are currently under construction. Habitats within the project area have been classified a land use code based on the Florida Land Use, Cover, and Forms Classification System (FLUCFCS) (Florida Department of Transportation 2004). The upland habitats within the project area (54.9%) were previously disturbed for development and/or are currently under construction. The open water habitats consist of an estuarine, subtidal, unconsolidated/excavated bottom. The table below provides the land uses classified within the project area, a description of the available habitat for each, total acreage, and percentage of the project area.

FLUCFCS Code	Description	Habitat Description	Acres	Percentage of Total
140	Commercial and Services	This area consists of an existing paved parking lot with landscaping vegetation and is associated with the adjacent Hyatt Regency Sarasota.	0.25	12.25
149	Commercial and Services under Construction	This area is disturbed open land and is under active construction for associated project redevelopment under SWFWMD ERP No. 43043150.000.	0.87	42.65
184	Marinas and Fish Camp	This estuarine, subtidal habitat consists of unconsolidated/excavated bottom in the Hyatt Boat Basin. Remnant dock structures are present. Past benthic and seagrass surveys (2017) resulted in identification of nearby native seagrass beds outside of the project area and bare, fine to silty sand bottom with shell hash and areas of muck in deeper portions. Oysters were observed attached to the existing concrete seawall and pilings.	0.92	45.10
Total			2.04	100.00

PROPOSED WORK: The proposed project (± 2.04 acres) represents a portion of the property under the ownership of Quay Ventures, LLC (Applicant) that is under development as part of a 14-acre mixed-use, master-planned waterfront district that will offer residential, retail, hotel rooms, and office space referred to as The Quay Sarasota.

This project specifically includes the removal of all existing dilapidated dock structures (pilings) that supported ± 18 wet slips and the reinstallation of a multi-slip floating and fixed dock with 23 proposed wet slips to provide for boat mooring and access to the water. The proposed dock will consist of 5,266 sf of floating dock, 52.5 sf of fixed dock with 11 finger piers accommodating 23 slips.

The project was previously permitted by the USACE in 1985 and constructed in this location. The associated development was demolished in 2006 and overwater decking was removed from the dock in 2012 due to safety and health concerns. Pilings for the dock structures remain in place.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

“No dredging or filling activities are proposed with the project. The Applicant will adhere to the following conditions to avoid or minimize impacts to aquatic resources as a result of the project: 1) Construction of the dock will be completed using floating steel barges during daylight hours; 2) No fueling facilities, sewage pump out, or live-a boards are proposed; 3) Port-o-let(s) will be provided in an approved area and kept in clean condition; 4) Work area will be cleaned each day with all debris placed in appropriate waste receptacles; 5) Existing dock piles or portions of dock shall be removed before installation; 6) Special measures will be taken by the Applicant to prevent bilge pumpage or effluent, chemicals, fuels, oils, greases, and bituminous from entering the water; and 7) Floating turbidity barriers will be deployed during all in-water construction activities. The project as designed, located, and operated will not impede public use of waterways and is not considered to be contrary to the public interest.

All project-related activities associated with The Quay Sarasota will adhere to the applicable Project Design Criteria (PDCs) found in the Authorization of Minor In-Water Activities throughout the Geographic Area of Jurisdiction of the U.S. Army Corps of Engineers Jacksonville District, including Florida and the U.S. Caribbean issued by National Marine Fisheries Service (NMFS) on November 20, 2017 (JAXBO). Specifically, in order to avoid or minimize adverse effects to marine species listed under the Endangered Species Act (ESA) and ensure compliance with agency obligations under Section 7(a)(2), the Applicant will adhere to JAXBO PDCs for: 1) In-Water Activities, 2) In-Water Noise from Pile and Sheet Pile Installation, 3) Activity #2 – Pile Supported Structures and Anchored Buoys, and 4) Docks or Other Minor Structures.”

COMPENSATORY MITIGATION – The applicant has provided the following explanation why compensatory mitigation should not be required:

This activity is regulated under Section 10 of the Rivers and Harbors Act of 1899 (33 USC §403) and compensatory mitigation is not required.

CULTURAL RESOURCES: The Corps has determined the permit area has been extensively modified by previous work and there is little likelihood a historic property may be affected.

By copy of this public notice, the Corps is providing information for review. Our final determination relative to historic resource impacts is subject to review by and coordination with the State Historic Preservation Officer and those federally recognized tribes with concerns in Florida and the Permit Area.

ENDANGERED SPECIES:

Use of the 2013 Manatee Key – A>B>C>G>H>J>K resulted in a determination “*May affect*” on the endangered West Indian Manatee or their designated critical habitat and further consultation with the Service is necessary for a “*May affect, not likely to adversely affect*” determination.

West Indian Manatee (*Trichechus manatus*) - The project is listed within the Manatee Consultation area. The project area also falls within a designated FWC Protection Zone (i.e., Idle Speed Year-Round). The project was previously permitted by the USACE in 1985 and constructed in this location.

The proposed project has been designed to be consistent with the Sarasota County state-approved Manatee Protection Plan (MMP) adopted on September 24, 2003 (see attached figure). The standard manatee conditions for in-water activities including installation and maintenance of permanent manatee education signage will be required. Additional conditions for in-water activities in manatee habitat will be required as found in Appendix C of the USFWS Biological Opinion (BO) – March 2011.

Impacts to SAV are not expected and dredging is not proposed. If updated field assessments result in identification of SAV within the project area, the project will follow the dock construction guidelines in Florida for docks and other minor structures constructed in or over SAV, marsh, or mangrove habitat. Project Design Criteria (PDC's) for in-water activities under JAXBO authorization for marine mammals and sea turtles will also be required and are reasonably expected to benefit manatees. For these reasons, The Corps has determined the project is “Not Likely to Adversely Affect (NLAA) the manatee. The Corps will request U.S. Fish and Wildlife review the information with this determination pursuant to Section 7 of the Endangered Species Act.

The following species have been reviewed and the Corps has made a “No Effect” determination and no further consultation is required;

Eastern Indigo Snake (*Drymarchon couperi*) - All proposed work is water dependent and located in open water. No further consultation is required.

Florida Bonneted Bat (*Eumops floridanus*) - The project is located adjacent to the Florida Bonneted Bat Consultation Area - 2019. There are no impacts to Bonneted Bat habitat and all proposed work is water dependent and located in open water. No further consultation is required.

Piping Plover (*Charadrius melodus*) - The project is located within the Piping Plover consultation area. Piping Plover breed along ocean shores in the Northeast and along lakeshores and alkali wetlands in the northern Great Plains and Great Lakes. They use wide, flat, open, sandy beaches with very little grass or other vegetation. Nesting territories often include small creeks or wetlands. In the winter they use coastal

beaches, sand flats, and mud flats. The project location does not support foraging or nesting habitat and any sightings at the project site would be incidental. The Corps has determined that the proposed project will have no effect on the Piping Plover and no further consultation will be required with USFWS.

Florida Scrub Jay (Aphelocoma coerulescens) - The project is located within the Florida scrub-jay consultation area. There is no designated critical habitat for the scrub jay listed in the federal register (52 FR 20715-20719). Persistent breeding populations of Florida scrub-jays exist only where there are scrub oaks in sufficient quantity to provide an ample winter acorn supply, cover from predators, and nest sites during the spring. The project site is located in all open water and it does not support scrub-jay foraging or nesting habitat and any scrub-jay sightings at the project site would be incidental. The Corps has determined that the proposed project will have no effect on Florida scrub-Jay and no further consultation will be required with USFWS.

Wood Stork - (*Mycteria Americana*) is listed as Endangered by both the U.S. Fish and Wildlife service (FWS) and FWC. This species nests colonially in a variety of inundated forested wetlands and forages mainly in shallow water in freshwater marshes, swamps, ponds, flooded pastures and ditches.

The project site is located within the Core Foraging Area (CFA) of wood stork colonies in Sarasota County. Using the *South Florida Programmatic Concurrence Key for the Wood Stork* (May 18, 2010), yielded the following progression: A (Project does not impact suitable foraging habitat (SFH).) > No Effect. Review of the available habitat within the project area does not constitute suitable foraging habitat (SFH) and the project will have no effect on the species. Based on the progression through the Key no further consultation is required.

ESSENTIAL FISH HABITAT (EFH): This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries in the Sarasota Bay area and Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

The Corps reviewed the project elements under the Programmatic Consultation and subsequent Biological Opinion for *Authorization of Minor In-Water Activities throughout the Geographic Area of Jurisdiction of the U.S. Army Corps of Engineers Jacksonville District, including Florida and the U.S. Caribbean* issued by NMFS November 20, 2017 (JAXBO). JAXBO analyzes impacts from several in-water activities including pile-supported structures and anchored buoys (e.g., installation, repair, and removal of structures).

The Corps will require all project-related activities associated with the project adhere to the applicable Project Design Criteria (PDCs) of JAXBO. Specifically, in order to avoid

or minimize adverse effects to ESA-listed marine species and ensure compliance with obligations under Section 7(a)(2), the project will adhere to JAXBO PDCs for: 1) In-Water Activities, 2) In-Water Noise from Pile and Sheet Pile Installation, 3) Activity #2 – Pile Supported Structures and Anchored Buoys and 4) Docks or Other Minor Structures.

General Project Design Criteria for In-Water Activities - The project is not proposed in areas of mangroves, seagrasses, corals, or hard bottom habitat. The project area was evaluated and no species-specific Restriction or Exclusion Zones analyzed in JAXBO occur within or near the project area. Furthermore, designated critical habitats for those species analyzed in JAXBO do not occur within the project area. The Corps will require the following conditions:

- Educational training of all personnel and observation of in-water activities for presence of species protected under the ESA and the Marine Mammal Protection Act (MMPA);
- Reporting of interactions with protected species;
- Vessel traffic and construction equipment avoidance of interactions with protected species and operation in accordance with designated protection measures;
- Turbidity control measures during construction;
- Entanglement prevention by securing turbidity barriers and other in-water equipment.

Project Design Criteria for In-Water Noise from Pile and Sheet Pile Installation - Concrete (24" or less) and wood piles (14" or less) will be installed via impact hammer and concrete piles are expected to be installed at a rate of no more than five (5) per day. This work will be required to be completed during daylight hours and personnel will be responsible for observation of in-water activities to detect and avoid any listed species.

Project Design Criteria Specific to Activity #2 – Pile-supported Structures and Anchored Buoys - Docks for multi-family residential properties and marinas are limited to no more than 50 total slips. The project proposes 23 wet slips. The project will be required to use the "Save the Sea Turtle, Sawfish, Dolphin" signage. Microfilament recycling bins will be provided to reduce the likelihood of entanglement and ingestion of marine debris. No municipal or commercial fishing piers are included in the project design. Project construction will take place from floating steel barges.

Project Design Criteria for Docks or Other Minor Structures - The project is located outside of the range and designated critical habitat for Johnson's seagrass (*Halophila johnsonii*). Field assessments for protected species and benthic resources (SAV and other aquatic resources) were conducted on June 20, 2017 and updated August 10, 2020. The results for both surveys indicated that a continuous seagrass bed of native

shoal grass (*Halodule wrightii*) was observed outside the project area and extended to the west (see attached survey plan).

According to the most recent Tampa Bay Estuary Program and SouthWest Florida Water Management District (SWFWMD) information there are seagrasses located similarly to the survey results but not near or within the project location.

Effect Determination Based on the geographic location of the project, the analysis for project-related activities in JAXBO, and compliance with JAXBO criteria, the project is not expected to adversely affect protected species or critical habitats regulated by the NMFS.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line has not been verified by Corps personnel.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Tampa Permits Section, 10117 Princess Palm Avenue, Suite 120, Tampa, Florida 33610 within 21 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

QUESTIONS concerning this application should be directed to the project manager, Peter Romano, in writing at the Tampa Permits Section, 10117 Princess Palm Avenue, Suite 120, Tampa, Florida 33610; by electronic mail at peter.t.romano@usace.army.mil; or, by telephone at (813)769-7072.

IMPACT ON NATURAL RESOURCES: Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization

of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The US Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

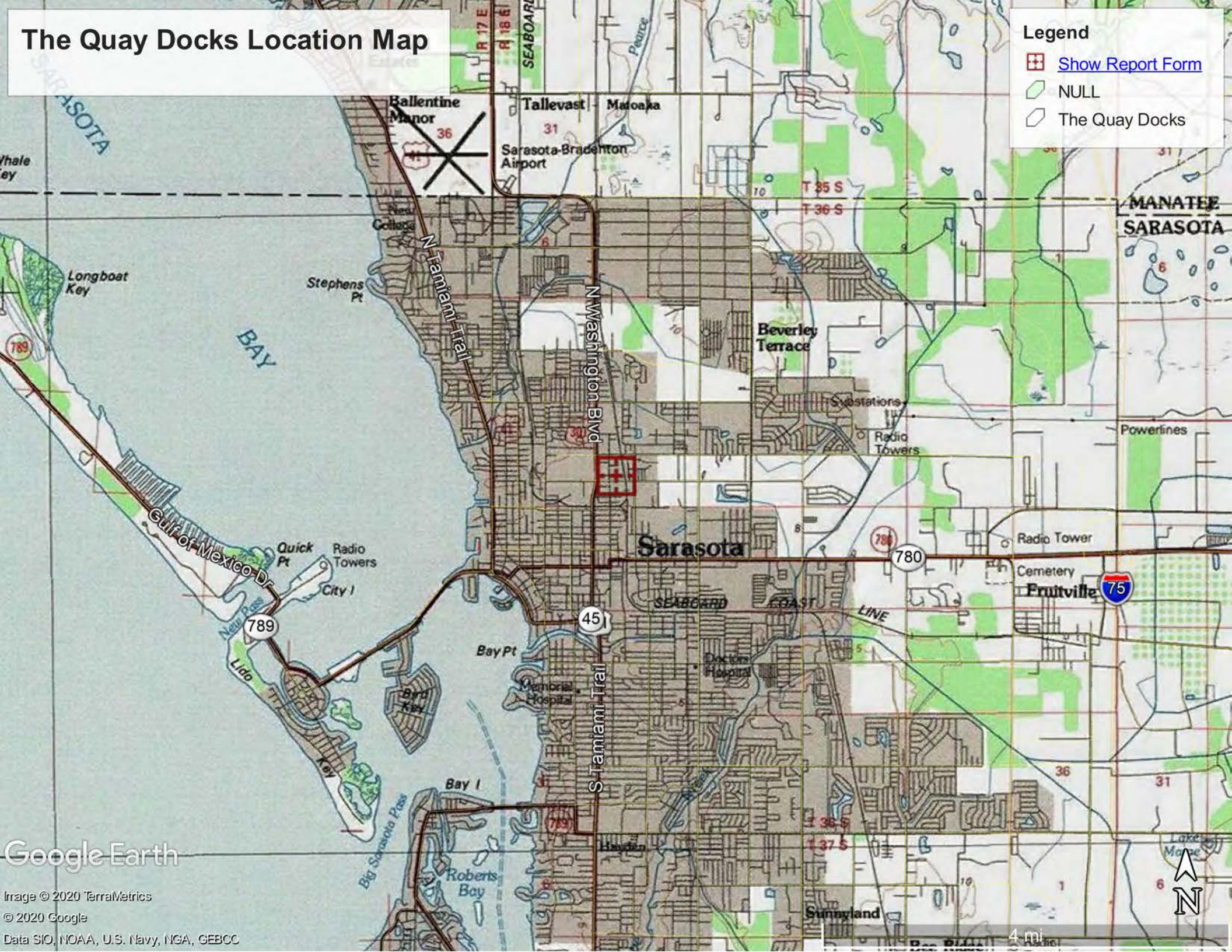
COASTAL ZONE MANAGEMENT CONSISTENCY: In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

The Quay Docks Location Map

Legend

-  [Show Report Form](#)
-  NULL
-  The Quay Docks



Google Earth

Image © 2020 TerraMetrics

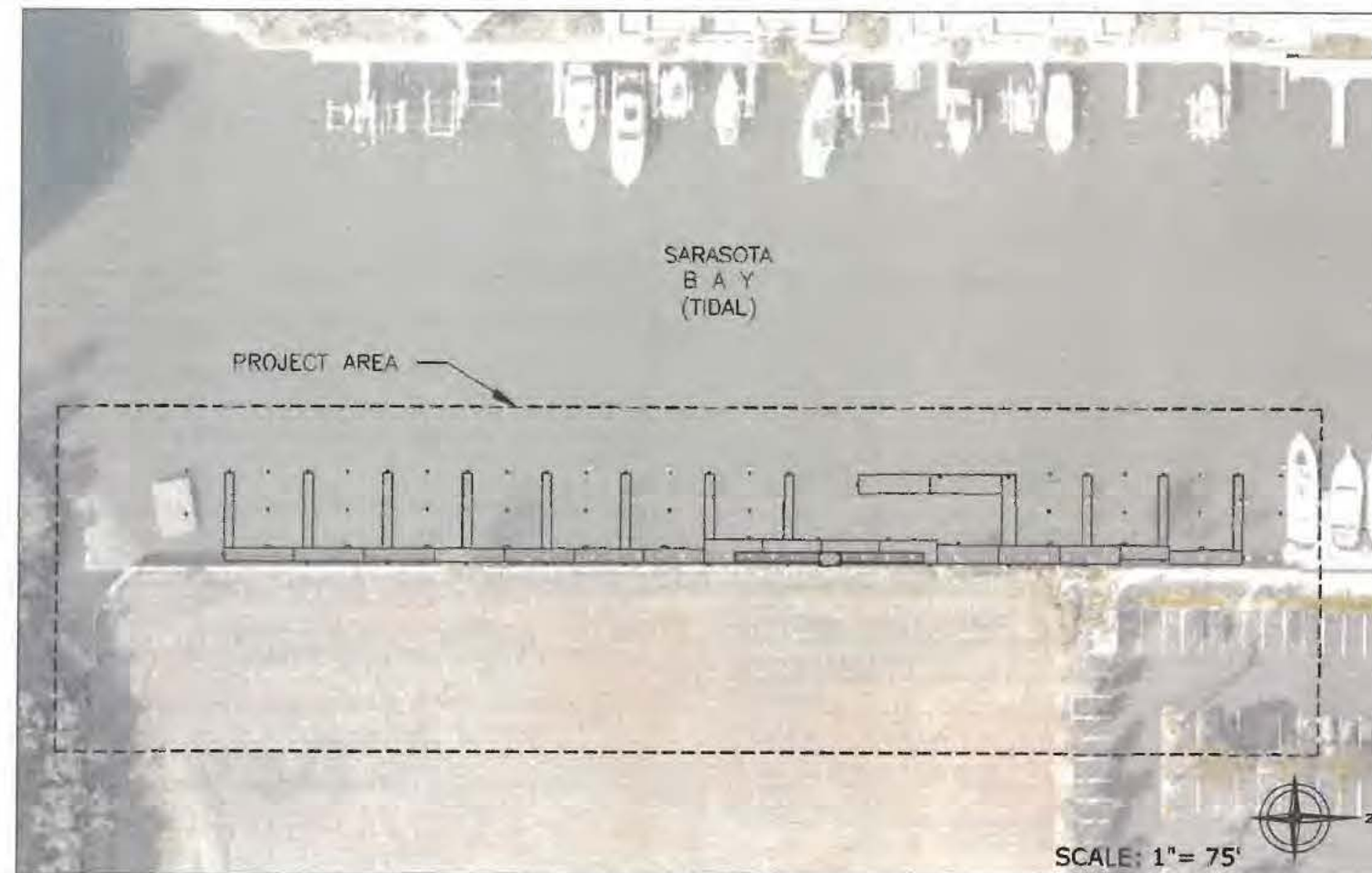
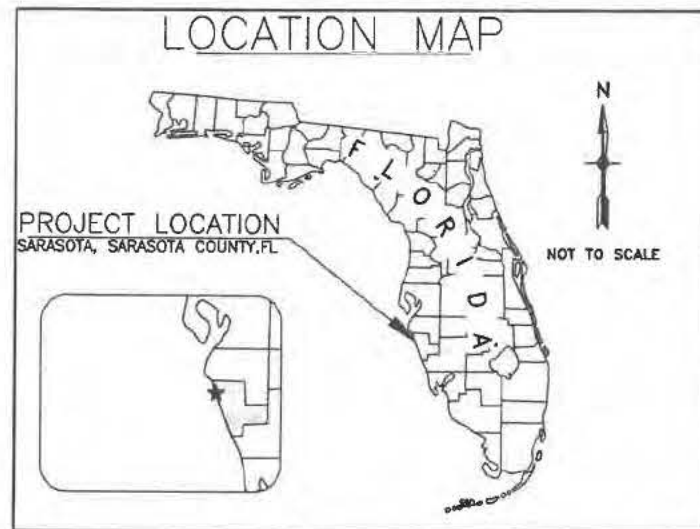
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Data SIO, NOAA, U.S. Navy, NGA, GEBCO

4 mi

QUAY VENTURES FLOATING DOCK PLANS

SARASOTA, SARASOTA COUNTY, FLORIDA
TOWNSHIP: 36S, RANGE 18E, SECTION 19



SITE LOCATION
333 N. TAMiami TRAIL, SARASOTA, FL

NOTES:

- COORDINATES SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN DATUM OF 1983, WEST ZONE (NAD83)
- ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- THE VERTICAL DATUMS ESTABLISHED BY DEP FOR THIS AREA ARE: MEAN HIGH WATER ELEVATION +0.17' NAVD, MEAN LOW WATER ELEVATION OF -1.1 NAVD, BASED ON LABINS TIDE INTERPOLATION POINT #369.
- NOTE: THESE PERMIT DRAWINGS SHALL NOT BE CONSIDERED VALID FOR CONSTRUCTION PURPOSES UNLESS SIGNED AND SEALED BY:

JOSEPH T. FOSTER, P.E.
FL LIC# 79708

SHEET INDEX

SITE INFORMATION

- COVER SHEET & LOCATION MAP
- SPECIFICATIONS
- DEMOLITION PLAN

DOCK PLANS

- AERIAL SITE PLAN
- SITE PLAN
- DOCK LAYOUT
- PILE PLAN

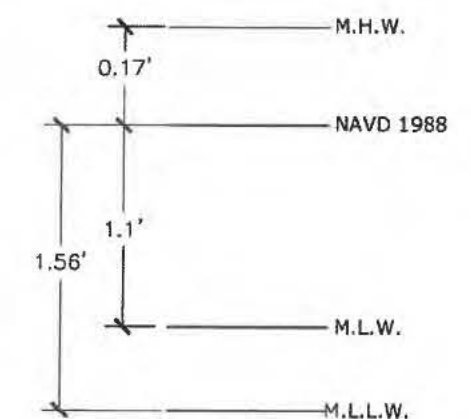
GANGWAY DETAILS

- GANGWAY LANDING PLAN & DETAILS
- GANGWAY PLAN AND DETAILS

DOCK DETAILS

- TYPICAL DOCK CONSTRUCTION DETAILS
- FLOATING DOCK DETAILS (6'X30')
- FLOATING DOCK DETAILS (10'X25')
- FLOATING DOCK DETAILS (6'X 26'-6")
- PEDESTAL BUMP & FLOATING DOCK DETAIL (4'X32')

TIDE INFORMATION



RELATIONSHIP BETWEEN NAVD 1988, MEAN HIGH WATER, MEAN LOW WATER, AND THE MEAN LOWER LOW WATER TIDAL DATUM (1983-2001 EPOCH)

COPY
DEC 10 2019

COVER SHEET &
LOCATION MAP



FOSTER CONSULTING

FL PROFESSIONAL ENGINEER NO. 79708
FL CERTIFICATE OF AUTHORIZATION NO. 32050
DELAWARE LIC. # 18618 NJ LIC. # 24GE05181200
P: (727) 821-1949
WWW.JFOSTERCONSULTING.COM
P.O. BOX 7370, ST. PETERSBURG, FL 33734

DATE:
12/19/19
DRAWN BY:
BRT/NSN
CHECK BY:
JTF
SCALE:
AS NOTED

FILE NAME:
36818
SHEET:
1 OF 14
REV:

333 N. TAMiami TRAIL,
SARASOTA, FL

SPECIFICATIONS

1 - GENERAL SCOPE OF WORK

1-A LOCATION OF WORK: 333 N. TAMIAMI TRAIL
SARASOTA, FL 34236
LAT/LONG: 27° 20' 20.78" N / 82° 32' 55.90" W

1-B THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, AND PERFORMING ALL TASKS NECESSARY FOR THE REMOVAL OF ALL EXISTING DOCK STRUCTURES AND THE INSTALLATION OF APPROXIMATELY 5,226 SF OF FLOATING AND 52.5 SF OF FIXED DOCK.
1-C THE WORK MUST BE COMPLETED ACCORDING TO THE CONTRACT DRAWINGS AND THESE TECHNICAL SPECIFICATIONS WITHIN COMPLIANCE OF ALL FEDERAL, STATE AND LOCAL PERMITS
1-D THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF NEW CONSTRUCTION PER THE PLANS

2- CONCRETE

2-A PILES - ALL CONCRETE PILES ARE TO BE 14"x14" PRE-STRESSED REINFORCED COMMERCIAL CONCRETE PILES AT 30' IN LENGTH WITH AN ESTIMATED 3' MIN. EMBEDMENT INTO ROCK LAYER. ALL CONCRETE PILES ARE TO BE DRIVEN WITH A IMPACT HAMMER WITH A MAXIMUM OF (10) CONCRETE PILES TO BE DRIVEN A DAY PER THE JAXBO NOISE ANALYSIS STANDARDS.

3- STEEL

3-A ALL THRU BOLTS ARE TO BE STAINLESS STEEL AND INSTALLED PER THE PLANS AND DETAILS.

4- FLOATING DOCKS

4-A ALL FLOATING DOCKS ARE DESIGNED USING DESIGN SPECIFICATIONS PROVIDED BY GOLDEN MARINE SYSTEMS, LLC. ANY DEVIATION FROM THE FLOATING DOCK DESIGN SPECIFIED IN THE PLANS IS TO BE APPROVED BY THE E.O.R. PRIOR TO CONSTRUCTION. ALTERNATE DOCK SYSTEMS WILL BE EVALUATED UPON REQUEST.
4-B ALL FLOATING DOCKS ARE TO BE FASTENED USING THE BOLTED CONNECTION UNLESS THERE IS A CONFLICT PREVENTING THIS CONNECTION, IN WHICH CASE THE CONTRACTOR WILL CONTACT THE E.O.R. AND A HINGED CONNECTION MAY BE REQUIRED. (SEE SHEET 10 AND 14 FOR FLOATING DOCK CONNECTION DETAILS)
4-C ALL FLOATING DOCK PILES ARE TO BE 14"x14" PRE-STRESSED REINFORCED CONCRETE PILES. TOP OF PILES TO BE SET TO AN ELEVATION OF +15.0' NAVD. (SEE SHEET 10 FOR DETAILS)

5- TIMBER FRAME

5-A PILES - GANGWAY, LANDING AND MOORING PILES ARE TO INCORPORATE 14" BUTT Ø 0.60 C.C.A. PT WOOD PILES AT 30' IN LENGTH WITH AN ESTIMATED 3' MIN. EMBEDMENT INTO ROCK LAYER. TOP OF PILES TO BE SET TO AN ELEVATION OF +15.0' NAVD. THE PILES ARE TO SPACED PER THE PILE PLAN (SEE SHEET 7). ALL WOOD PILES ARE TO BE DRIVEN WITH A IMPACT HAMMER WITH A MAXIMUM OF (10) CONCRETE PILES TO BE DRIVEN A DAY PER THE JAXBO NOISE ANALYSIS STANDARDS.
5-B PILE CAPS - GANGWAY LANDING TO CONSIST OF A 2"x10" 0.60 C.C.A. PT WOOD PILE CAP FASTENED TO BOTH SIDES OF THE PILES OR A DOUBLE PILE CAP ON THE INTERIOR OF THE BENT (SEE SHEET 8).
5-C STRINGERS - GANGWAY LANDING STRINGERS ARE TO BE 2"x8" 0.60 PT WOOD. AT 16" O.C. MAX AND ARE TO BE CENTERED BETWEEN PILE CAPS ON EITHER END AND TOE NAILED INTO THE PILE CAP AT EITHER END. THE STRINGERS CAN BE FASTENED TOGETHER BY LAPPING A MINIMUM OF 2' ON EITHER SIDE AND FASTENING THE BOARDS WITH (5) 16D RING SHANK NAILS OR THE STRINGER ENDS BUTTED UP AGAINST ONE ANOTHER AN A 2.0' 2"x8" 0.60 C.C.A. PT WOOD SCAB BOARD APPLIED WITH 1.0' OF LAP ON EITHER BOARD. THE SCAB BOARD IS TO FASTEN TO EACH STRINGER WITH (5) 16D RING SHANK NAILS ON EITHER SIDE.
5-D DECKING - THE DECKING IS TO BE 2"x6" 0.40 A.C.Q. PT WOOD DECKING OR 2x OR 5/4" COMPOSITE DECKING WITH 1.5" OVERHANG (WHERE APPLICABLE) WITH 1/2" SPACING BETWEEN THE DECK BOARDS.
5-E RAILINGS - ALL RAILINGS ARE TO BE CONSTRUCTED USING 0.40 A.C.Q. PT WOOD WITH A PT WOOD OR COMPOSITE HANDRAIL. THE RAILING HEIGHT IS TO BE 42" ABOVE DECKING WITH RAILING POSTS AT 6.0' O.C. MAX. (SEE SHEET 8 FOR RAILING DETAILS)

6- GANGWAYS

6-A - ALL GANGWAYS ARE DESIGNED BY GOLDEN MARINE SYSTEMS, LLC OR EQUAL AND ARE TO BE INSTALLED USING THE RECOMMENDED CONNECTION METHODS PER MANUFACTURER'S SPECIFICATIONS. (SEE SHEET 9 FOR GANGWAY SPECIFICATIONS)

7 TURBIDITY

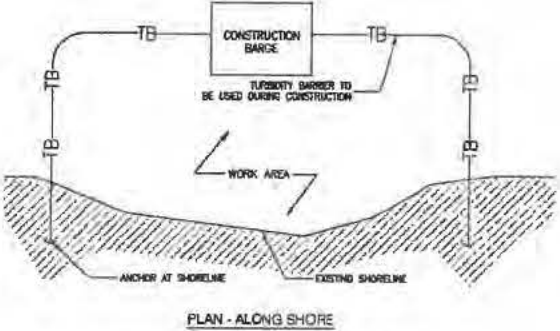
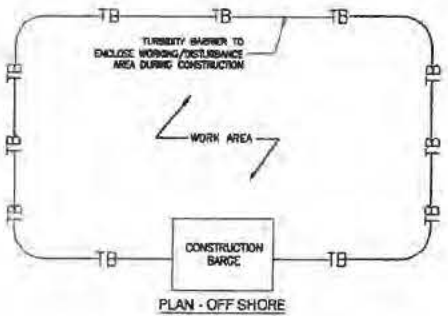
7-A FLOATING TURBIDITY BARRIER SHALL BE DEPLOYED DURING DOCK CONSTRUCTION.

8- GENERAL CONDITIONS

8-A WORK HOURS ARE 7:00 AM - 6 PM, MONDAY THROUGH FRIDAY. ANY SATURDAY WORK WILL BE AGREED TO AHEAD OF TIME.
8-B A PORT-O-LET WILL BE PROVIDED BY THE CONTRACTOR, SET UP IN AN AREA APPROVED BY THE BOARD, AND KEPT IN A NEAT AND CLEAN CONDITION AT ALL TIMES.
8-C AFTER EACH WORK DAY THE WORK AREA WILL BE CLEAN WITH ALL PAPERS, CUPS AND TRASH PUT IN GARBAGE BAGS OR CANS.
8-D ANY DAMAGE TO THE ASPHALT, CURBS, SIDEWALKS, ELECTRICAL OR WATER OR SPRINKLER SYSTEMS DAMAGED BY THE CONTRACTOR WILL BE REPAIRED BY THE DAMAGING PARTY AT HIS EXPENSE WITH LIKE-KIND MATERIALS..
8-E ANY EXISTING UTILITIES THAT ARE NOT BEING REMOVED, BUT ARE BEING IMPACTED SHALL BE TEMPORARY SUPPORTED AND REATTACHED AS REQUIRED.
8-F ANY EXISTING DOCK PILES OR PORTIONS OF DOCK SHALL BE REMOVED AS REQUIRED.
8-G SPECIAL MEASURES SHALL BE TAKEN TO PREVENT BILGE PUMPAGE OR EFFLUENT, CHEMICALS, FUELS, OILS, GREASES AND BITUMINOUS MATERIALS FROM ENTERING THE WATER.

9 INSPECTIONS AND FINAL ACCEPTANCE OF THE WORK

9-A THE CONTRACTOR IS TO NOTIFY ANY APPROPRIATE CITY/COUNTY AGENCY TO INSPECT THE WORK PRIOR TO OPERATIONS REQUIRING COUNTY INSPECTION.
9-B MONTHLY PROGRESS INVOICES ARE TO BE SENT TO THE OWNER AND THE ENGINEER FOR REVIEW AND APPROVAL. UPON SUBSTANTIAL COMPLETION, THE ENGINEER WILL REVIEW THE PROJECT FOR COMPLETENESS AND ISSUE A NOTICE OF ANY PUNCH LIST ITEMS STILL UNCOMPLETED, AND UPON FINAL COMPLETION THE ENGINEER WILL ISSUE A LETTER OF FINAL ACCEPTANCE TO THE BOARD SO CONTRACTOR CAN BE PAID FINAL MONIES DUE.



DETAIL - TURBIDITY CONTROL BARRIER

NOTE: TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 100, 2010 EDITION

JAXBO CHECKLIST INFORMATION

Activity 2 - Pile Supported

Existing Wet Slips	18+/-
Proposed Wet Slips	23
Existing Dry Slips	0
Proposed Dry Slips	0
Pile Type	Wood/Concrete
Number	58
Individual pile Size (sq. ft)	1.36
Install Method	Impact Hammer

PROPOSED DOCK SF CALCULATION

Proposed Floating Dock	5,226 SF
Proposed Fixed Dock	52.5 SF
Total Proposed Dock	5,278.5 SF

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SPECIFICATIONS



FOSTER CONSULTING

FL PROFESSIONAL ENGINEER NO. 79708
FL CERTIFICATE OF AUTHORIZATION NO. 32050

DELAWARE LIC. # 18618 NJ LIC. # 24GE05181200

P: (727) 821-1949

WWW.JFOSTERCONSULTING.COM
P.O. BOX 7370, ST. PETERSBURG, FL 33734

DATE:

12/19/19

DRAWN BY:

BRT/NSN

CHECK BY:

JTF

SCALE:

N/A

FILE NAME:

30818

SHEET:

2 OF 14

REV:

333 N. TAMIAMI TRAIL,
SARASOTA, FL

DEMOLITION PLAN

0 20 40 80
SCALE: 1"= 40'

DEMOLITION LEGEND

(784) EXISTING PILES
TO BE REMOVED



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NOTE: ALL EXISTING NON-PERMITTED STRUCTURES
ARE TO BE REMOVED PRIOR TO CONSTRUCTION

NOTE: EXISTING SITE INFORMATION REFERENCED
FROM QUAY SARASOTA CONSTRUCTION SET
COMPLETED BY STANTEC, DATED OCT, 2017.

EXTENDED PROPERTY LINE

INTERIOR BASIN OF
SARASOTA BAY
(TIDAL)

MAX PROJECTION LINE

EXIST.
SEAGRASS
(NOT TO BE
DISTURBED)

RIPARIAN LINE

ALL EXISTING PILES ARE
TO BE REMOVED PRIOR TO
DOCK CONSTRUCTION

EXISTING ADJACENT
DOCK TO REMAIN

333 N. TAMiami TRAIL,
SARASOTA, FL.

DEMOLITION PLAN



FOSTER CONSULTING

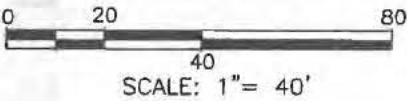
FL PROFESSIONAL ENGINEER NO. 79708
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JTF
SCALE:
1"= 40'

FILE NAME:
36818
SHEET:
3 OF 14
REV:

333 N. TAMiami TRAIL,
SARASOTA, FL

AERIAL SITE PLAN



MARINA FLOATING DOCKS

MAIN DOCK

- 6' X 21' (1) = 126 SF
- 6' X 26' (1) = 156 SF
- 6' X 30' (7) = 1,260 SF
- 6' X 32' (1) = 192 SF
- 8' X 26.5' (3) = 636 SF
- 8' X 31' (2) = 496 SF
- 10' X 25' (4) = 1,000 SF

FINGER DOCKS

- 4' X 28' (2) = 224 SF
- 4' X 30' (2) = 240 SF
- 4' X 32' (7) = 896 SF

TOTAL FLOATING DOCK SF = 5,226 SF

MARINA FIXED DOCKS

GANGWAY PLATFORM

- 8.75' X 6' = 52.5 SF

TOTAL FIXED DOCK SF = 52.5 SF

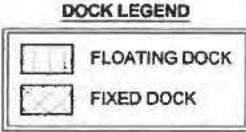
TOTAL MARINA DOCK SF = 5,278.5 SF

GANGWAYS

- 5' X 36' (2) = 360 SF

PILES

- 12" 2.5 C.C.A. PT WOOD PILES (28)
- 12"X12" PRESTRESSED CONCRETE PILE (30)



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NOTE: EXISTING SITE INFORMATION REFERENCED FROM QUAY SARASOTA CONSTRUCTION SET COMPLETED BY STANTEC, DATED OCT. 2017.

INTERIOR BASIN OF SARASOTA BAY (TIDAL)

EXTENDED PROPERTY LINE

471.7'±

MAX PROJECTION LINE

438.8'

- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

57.5'

54.2' SB

EXIST. SEAGRASS (NOT TO BE DISTURBED)

RIPARIAN LINE

EXISTING ADJACENT DOCK TO REMAIN

PROPERTY LINE

333 N. TAMIAMI TRAIL, SARASOTA, FL.

AERIAL SITE PLAN



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SCALE: 1"= 40'
FILE NAME: 36818
SHEET: 4 OF 14
REV:

333 N. TAMIAMI TRAIL, SARASOTA, FL

SITE PLAN

0 20 40 80

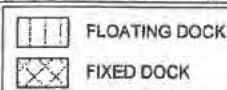
SCALE: 1" = 40'



FLOATING DOCK SUMMARY

- (A) - 6'-0" X 30'-0" POLY FLOAT DOCK - (7) TOTAL
- (B) - 10'-0" X 25'-0" POLY FLOAT DOCK - (4) TOTAL
- (C) - 8'-0" X 26'-6" POLY FLOAT DOCK - (3) TOTAL
- (D) - 6'-0" X 21'-0" POLY FLOAT DOCK - (1) TOTAL
- (E) - 8'-0" X 31'-0" POLY FLOAT DOCK - (2) TOTAL
- (F) - 6'-0" X 32'-0" POLY FLOAT DOCK - (1) TOTAL
- (G) - 4'-0" X 30'-0" POLY FLOAT DOCK - (2) TOTAL
- (H) - 4'-0" X 28'-0" POLY FLOAT DOCK - (2) TOTAL
- (I) - 4'-0" X 32'-0" POLY FLOAT DOCK - (7) TOTAL
- (J) - 6'-0" X 26'-0" POLY FLOAT DOCK - (1) TOTAL

DOCK LEGEND



LIMITS OF EXISTING SEAGRASS (NOT TO BE DISTURBED)

EXTENDED PROPERTY LINE

INTERIOR BASIN OF SARASOTA BAY (TIDAL)

EXTENDED PROPERTY LINE

MAXIMUM PROJECTION LINE

EXTENDED PROPERTY LINE

EXISTING ADJACENT DOCK TO REMAIN

333 N. TAMiami TRAIL,
SARASOTA, FL

NOTE: THE BATHYMETRIC DATA PROVIDED IS RELATIVE TO THE NGVD 1929 DATUM BASED ON CITY OF SARASOTA BENCH MARK NO. S-10 WITH AN ADJUSTED ELEVATION OF 3.55 FEET. TO CONVERT FROM NGVD 1929 TO NAVD 1988 SUBTRACT 1.04 FEET (PER CORPSCON 6.1)

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SITE PLAN



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SCALE: 1" = 40'

FILE NAME: 36818
SHEET: 5 OF 14
REV:

333 N. TAMiami TRAIL,
SARASOTA, FL

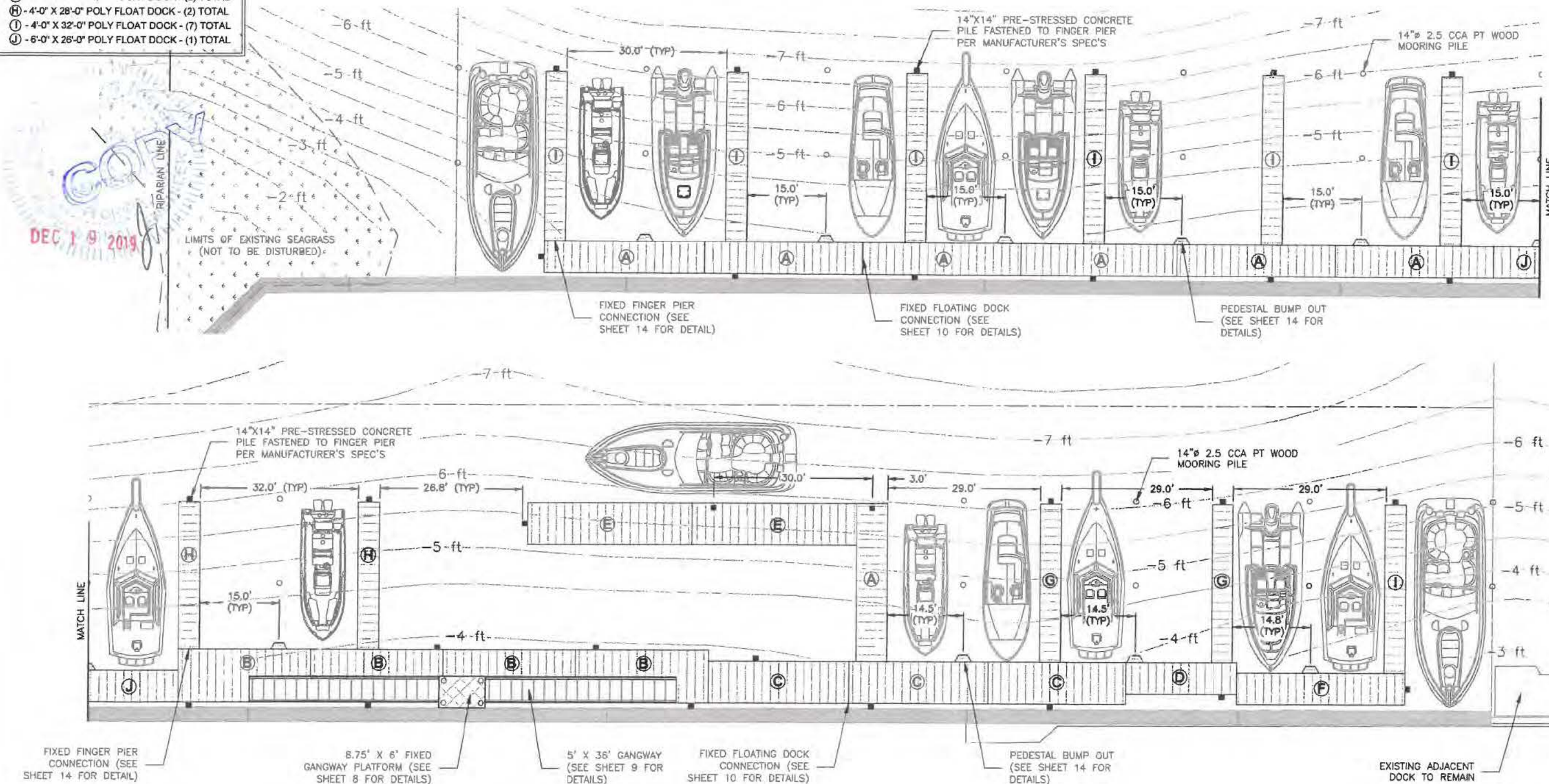
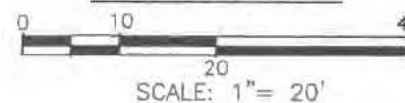
FLOATING DOCK SUMMARY

- (A) - 6'-0" X 30'-0" POLY FLOAT DOCK - (7) TOTAL
- (B) - 10'-0" X 25'-0" POLY FLOAT DOCK - (4) TOTAL
- (C) - 8'-0" X 26'-6" POLY FLOAT DOCK - (3) TOTAL
- (D) - 6'-0" X 21'-0" POLY FLOAT DOCK - (1) TOTAL
- (E) - 8'-0" X 31'-0" POLY FLOAT DOCK - (2) TOTAL
- (F) - 8'-0" X 32'-0" POLY FLOAT DOCK - (1) TOTAL
- (G) - 4'-0" X 30'-0" POLY FLOAT DOCK - (2) TOTAL
- (H) - 4'-0" X 28'-0" POLY FLOAT DOCK - (2) TOTAL
- (I) - 4'-0" X 32'-0" POLY FLOAT DOCK - (7) TOTAL
- (J) - 6'-0" X 26'-0" POLY FLOAT DOCK - (1) TOTAL

DOCK LEGEND

- CONCRETE PILE
- PT WOOD PILE

DOCK LAYOUT



DOCK LAYOUT



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CHECK BY:

JTF

SCALE:

1" = 20'

FILENAME:

36818

SHEET:

8 OF 14

REV:

333 N. TAMiami TRAIL,
SARASOTA, FL

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NOTE: ALL FLOATING DOCK PILES ARE TO BE 14"x14" PRE-STRESSED CONCRETE PILES. ALL MOORING PILES ARE TO BE 14"Ø PT WOOD PILES. FLOATING DOCK PILES AND MOORING PILES ARE TO HAVE AN ESTIMATED 3' EMBEDMENT IN ROCK (SEE SHEET 5)

PILE PLAN



SCALE: 1" = 40'



PILE LEGEND

- FLOATING DOCK LIMITS
- 30' PILE LENGTH (14"Ø BUTT PT WOOD PILES)
- 30' PILE LENGTH (14" PRE-STRESSED CONC. PILES)

PROPOSED PILE SUMMARY

14"x14"x30' PRE-STRESSED CONC. PILES - (30) TOTAL
14"Ø x 30' P.T. WOOD PILES - (28) TOTAL
TOTAL = (58) PILES

COPY
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INTERIOR BASIN OF SARASOTA BAY (TIDAL)

LIMITS OF EXISTING SEAGRASS (NOT TO BE DISTURBED)

11'± FROM PROP. PILE TO EDGE OF EXIST. SEAGRASS

MAXIMUM PROJECTION LINE

PROPOSED PILE SUPPORTED GANGWAY PLATFORM SEE SHEET 7 FOR DETAILS

333 N. TAMIAMI TRAIL, SARASOTA, FL

PILE PLAN

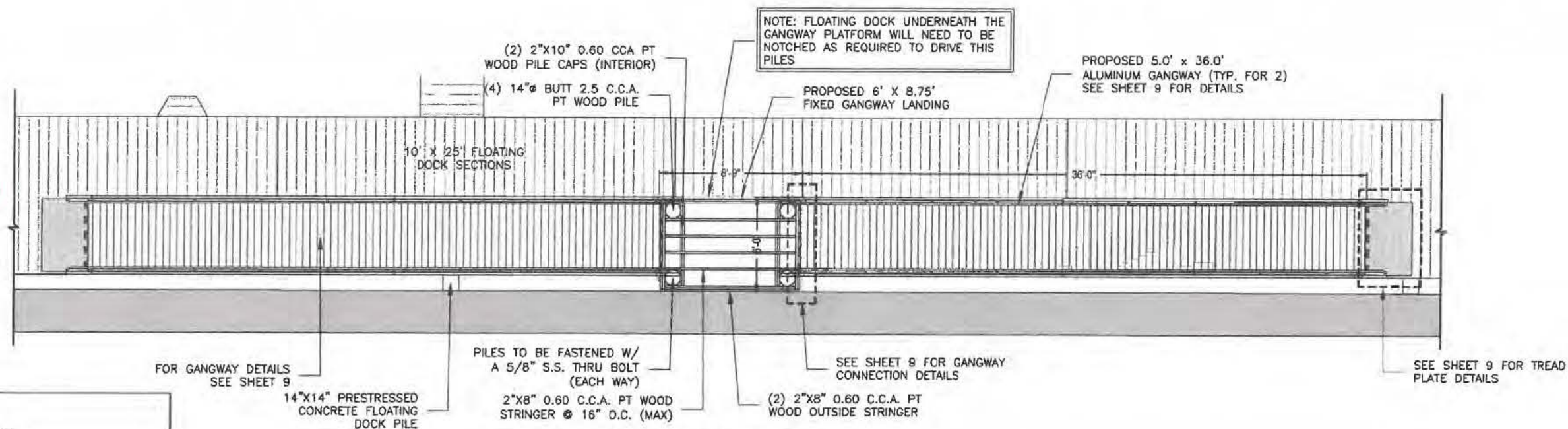
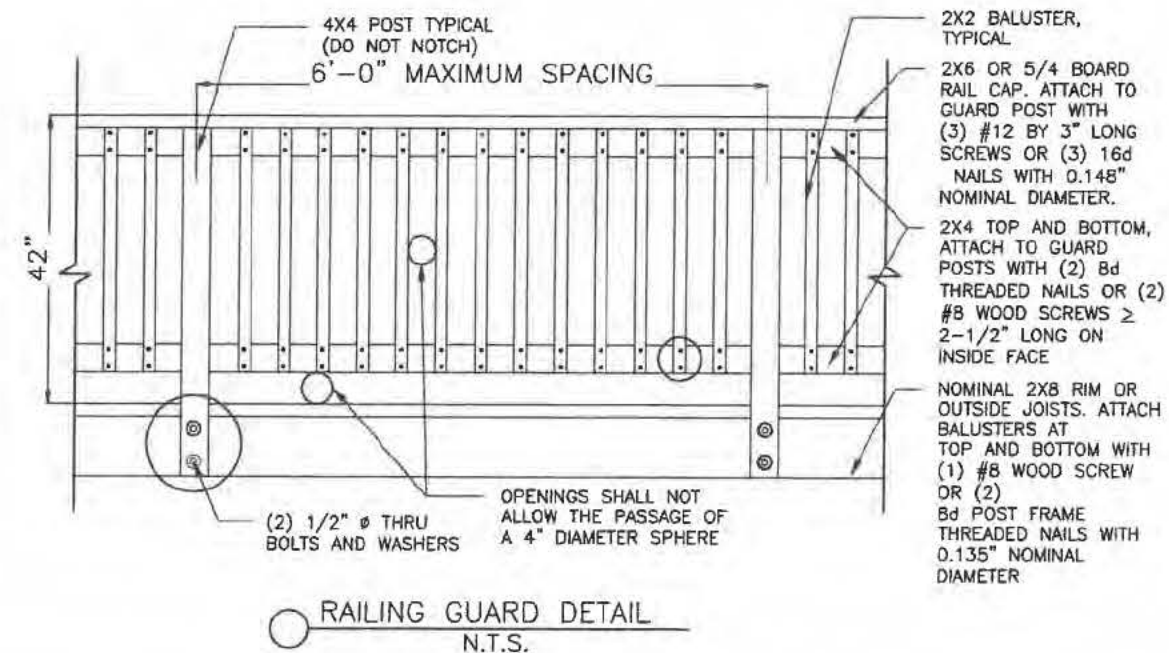
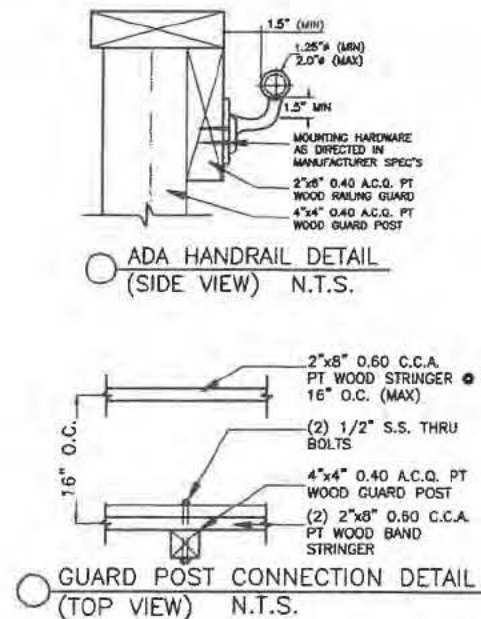
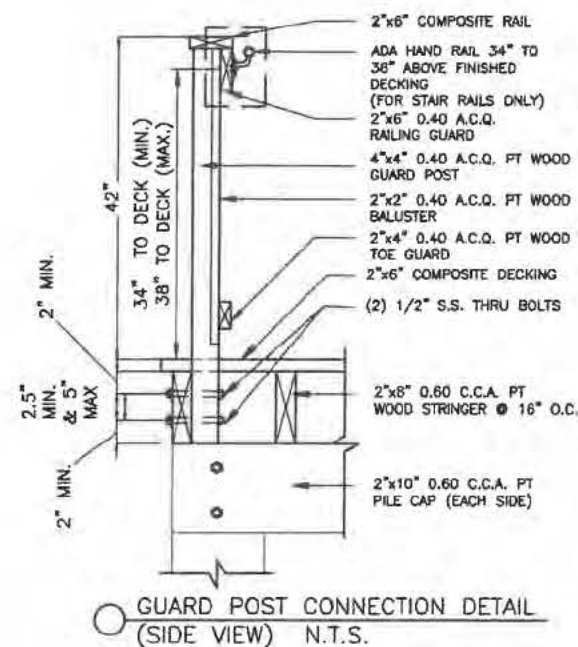


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P: (727) 821-1949
WWW.JFOSTERCONSULTING.COM
P.O. BOX 7370, ST. PETERSBURG, FL 33734

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CHKD BY: JTF
SCALE: 1" = 40'
FILE NAME: 36818
SHEET: 7 OF 14
REV:

333 N. TAMIAMI TRAIL, SARASOTA, FL

GANGWAY LANDING PLAN AND DETAILS



FIXED GANGWAY LANDING CONSTRUCTION DETAILS:

1. **STRINGERS** - 2"x8" 0.60 CCA P.T. WOOD @ 16" O.C. (MAX.)
2. **PILE CAP** - 2"x10" 0.60 CCA P.T. WOOD (EACH SIDE)
3. **DOCK PILES** - 14" Ø BUTT C.C.A. P.T. WOOD PILE @ 30' IN LENGTH
4. **THRU BOLTS** - (1) 5/8" S.S. THRU BOLT @ PILE TO OUTSIDE STRINGER (EACH WAY)
(2) 5/8" S.S. THRU BOLTS @ PILE TO PILE CAP
5. **DECKING BOARDS** - 2"x6" 0.40 A.C.Q. PT WOOD DECK BOARDS OR 5/4 X 6 COMPOSITE BOARDS
 - 5.1. 1/2" SPACING BETWEEN DECK BOARDS
 - 5.2. 1 1/2" DECKING OVERHANG (ALL SIDES)

GANGWAY LANDING & TYP. GANGWAY PLAN

SCALE: 1/8" = 1'-0"

GANGWAY LANDING
PLAN & DETAILS



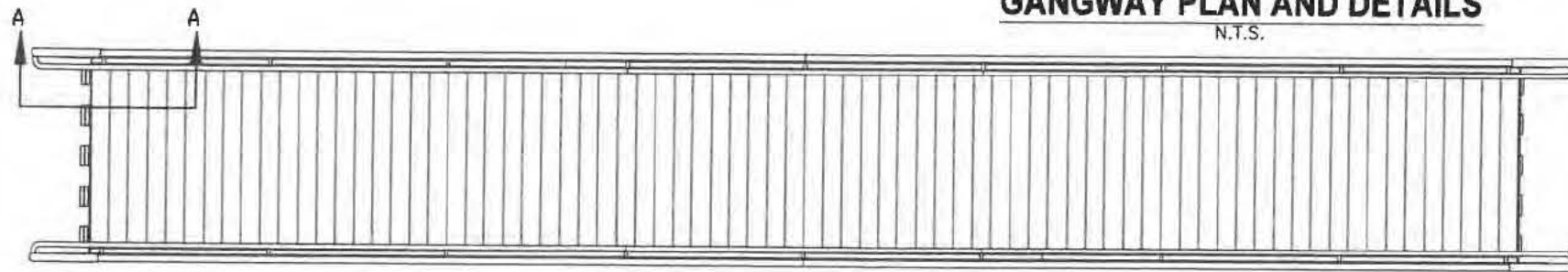
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DATE: 12/19/19
FILE NAME: 36818
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SHEET: 8 OF 14
CHKD BY: JTF
REV:
SCALE: AS NOTED

333 N. TAMiami TRAIL,
SARASOTA, FL

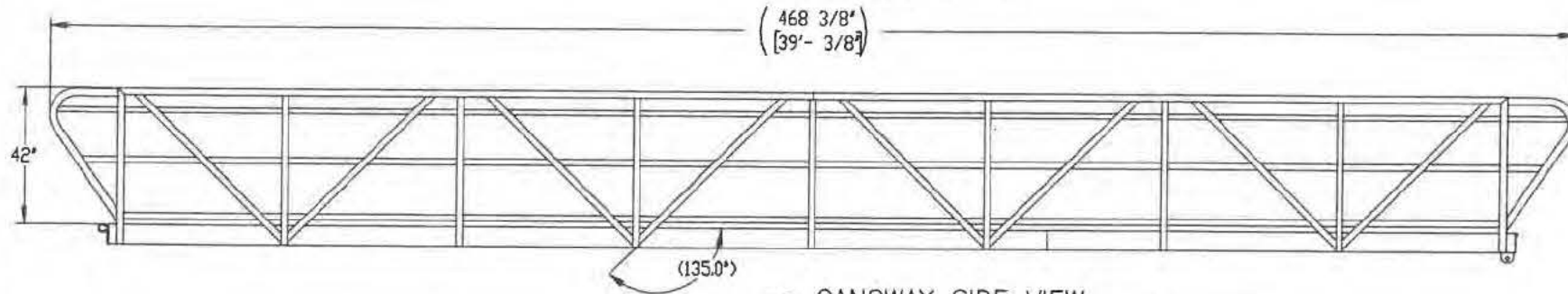
GANGWAY PLAN AND DETAILS

N.T.S.



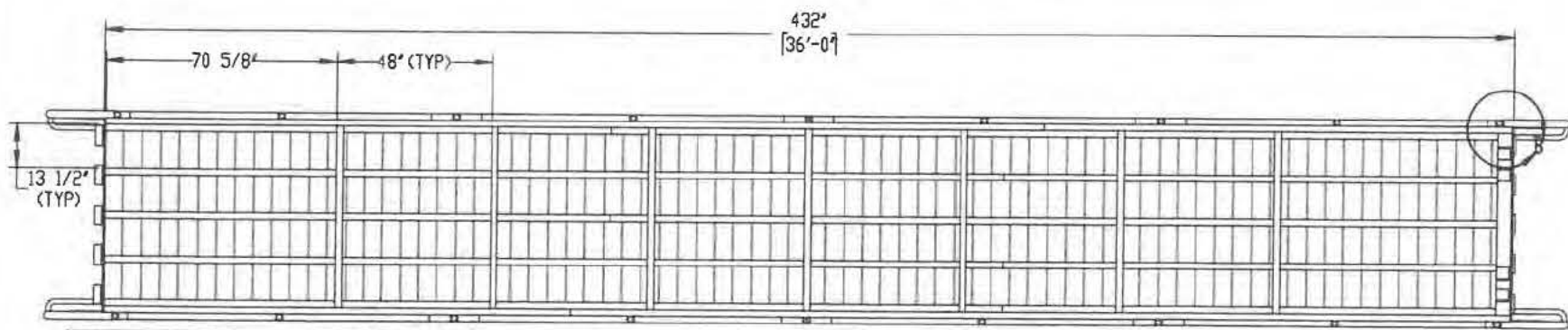
GANGWAY TOP VIEW

SCALE: 1/4" = 1'-0"



GANGWAY SIDE VIEW

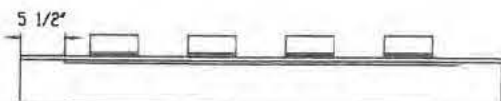
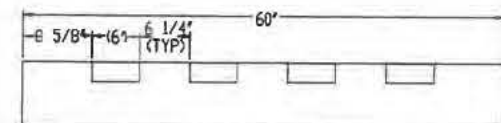
SCALE: 1/4" = 1'-0"



GANGWAY BOTTOM VIEW

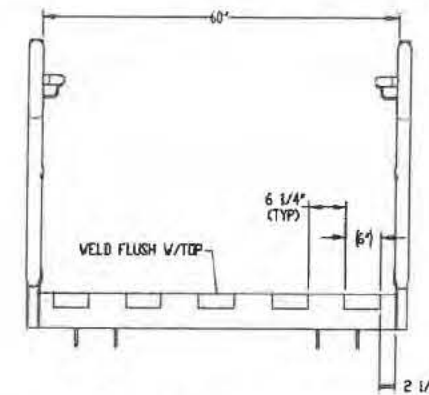
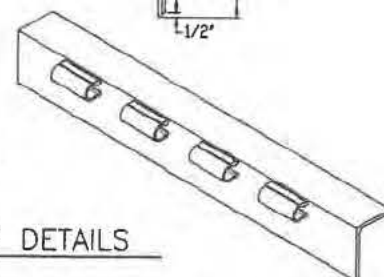
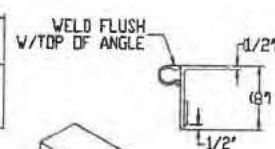
SCALE: 1/4" = 1'-0"

NOTE: ALL DETAILS AND SPECIFICATIONS ARE REFERENCED FROM PRODUCT ASSEMBLY AND SPECIFICATION SHEETS PROVIDED BY GOLDEN MARINE SYSTEMS LLC FOR THE QUAY DOCK PROJECT. THEY ARE SHOWN AS A REFERENCE ONLY AND ARE THE SOLE PROPERTY OF GOLDEN MARINE SYSTEMS LLC.



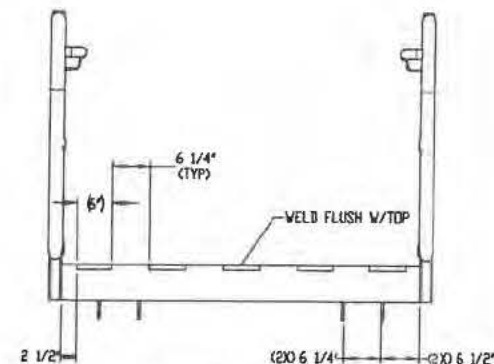
GANGWAY HINGE PLATE DETAILS

N.T.S.



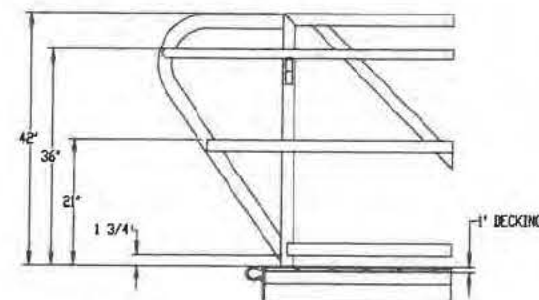
LEFT VIEW

N.T.S.



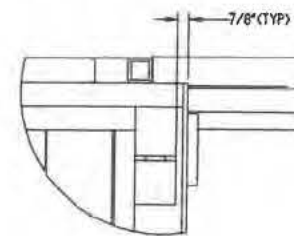
RIGHT VIEW

N.T.S.



SECTION A-A

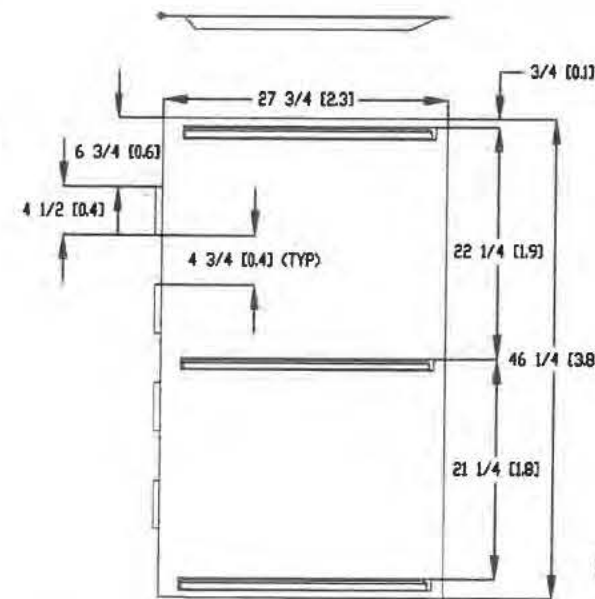
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DETAIL B

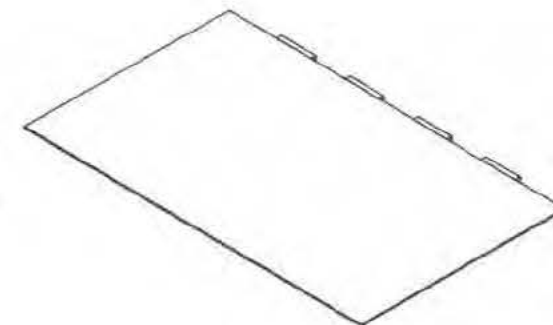
ROLLER MOUNT DETAIL

N.T.S.



TREAD PLATE DETAILS

N.T.S.



GANGWAY PLAN AND DETAILS



FOSTER CONSULTING

FL PROFESSIONAL ENGINEER NO. 79708
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DELAWARE L.I.C. # 18618

N.J. L.I.C. # 24GE05181200

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WWW.JFOSTERCONSULTING.COM

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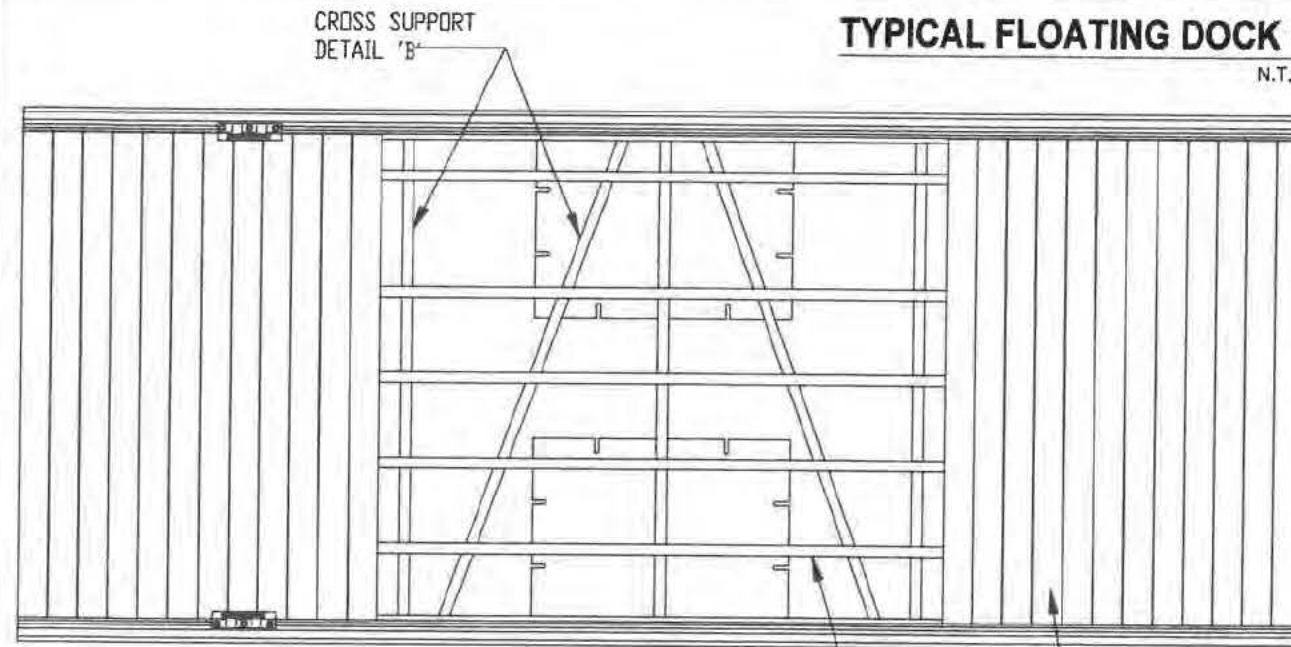
SHEET:
9 OF 14

REV:

333 N. TAMiami TRAIL,
SARASOTA, FL

TYPICAL FLOATING DOCK CONSTRUCTION DETAILS

N.T.S.



TOP VIEW
N.T.S.

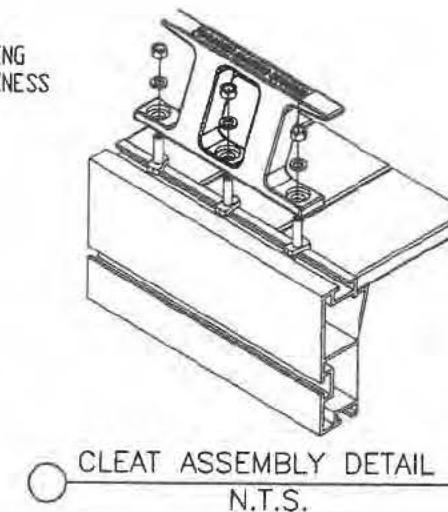
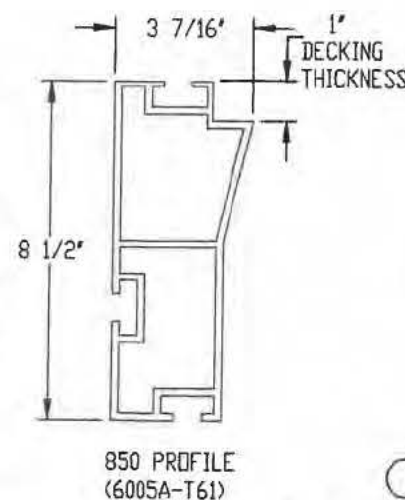
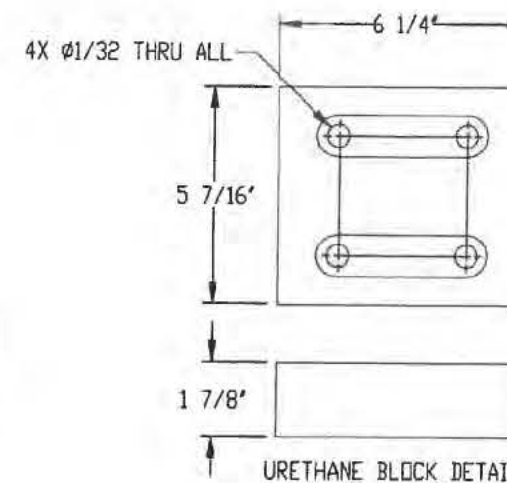
STRINGER
DETAIL 'C'

DECKING

90 DUROMETER URETHANE
BLOCK WITH INTEGRATED
CHAIN USING 1/2" SS HDW

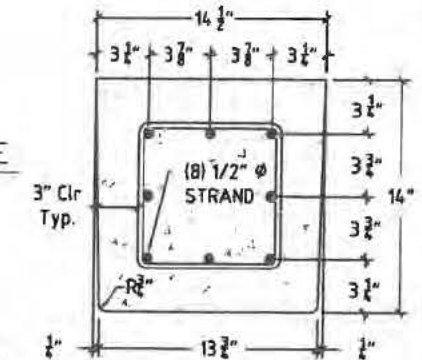
CROSS SUPPORT

TYPICAL DOCK-DOCK CONNECTION
N.T.S.



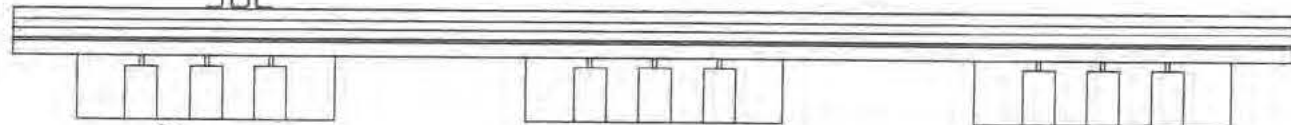
14"X14" PRE-STRESSED PILE
N.T.S.

SECTION PROPERTIES:
NOMINAL PILE SIZE: 14" X 14" AREA: 196 SQ. IN.
APPROXIMATE WT./FT.: 200 LBS S: 407 IN.
SPECIFICATIONS:
CONCRETE: MIN. CYLINDER STRENGTH @ RELEASE = 3,350 PSI
MIN. CYLINDER STRENGTH @ DRIVING = 6,000 PSI
STEEL: STRAND = 1/2 DIA. 270K LOW RELAXATION STRAND
7 WIRE - UNCOATED
S = 1/2" DIA./STRANDS f_{ps} = 1052 PSI (ACTUAL)
PULL TO 50K + ADJUSTMENTS
SPIRAL = W3.4 (5 GAUGE) HARD DRAWN WIRE, UNCOATED
FLORIDA BUILDING CODE SECTION 1810.3 PRESTRESSED PILES
DESIGN: f_{ps} = 700 PSI (REQUIRED)
SPIRAL WIRE, PICK POINTS & DUNNAGE SPECIFICATIONS PER PDOT INDEX 600 SHEET 1
CAPACITY:
MAXIMUM FULLY DRIVEN LOAD N (f_{ps}) BASED UPON ALLOWABLE STRESS
PER FBC SECTION 1810.3.3 = 133.9 TONS
ALLOWABLE TENSION ONLY = 130.8 TONS

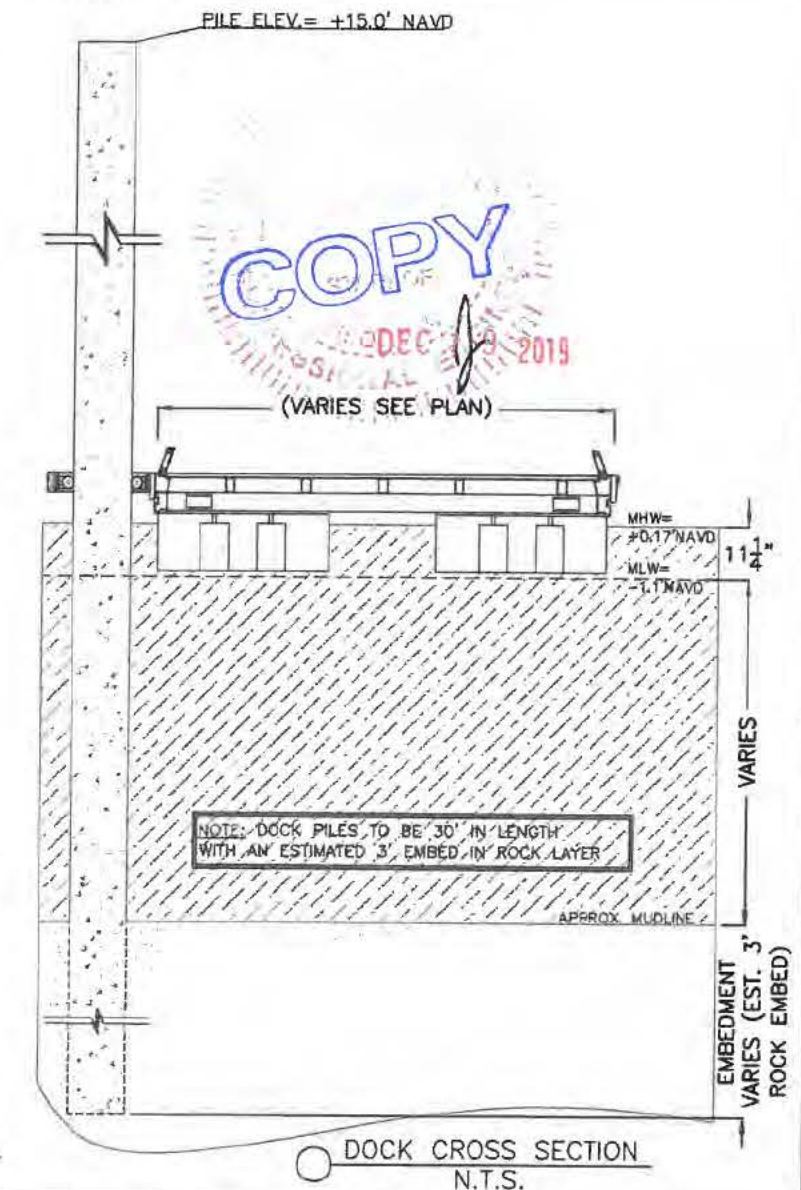
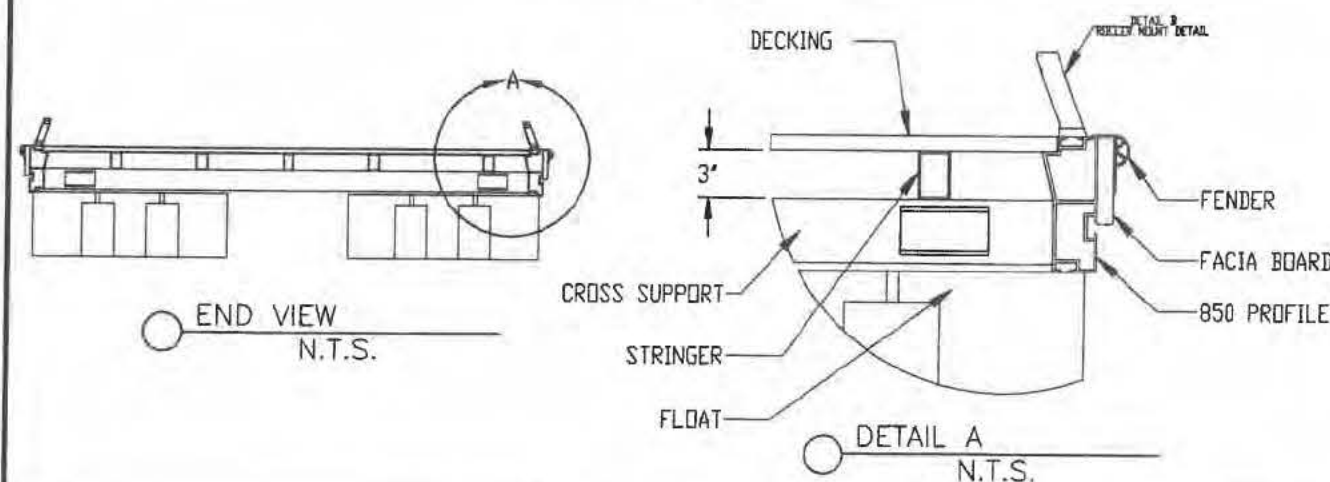


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MARINE SYSTEMS LLC FOR THE QUAY DOCK
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ONLY AND ARE THE SOLE PROPERTY OF
GOLDEN MARINE SYSTEMS LLC.

ADJUSTABLE
MOORING CLEAT
DETAIL 'D'



SIDE VIEW
N.T.S.



TYPICAL FLOATING
DOCK CONSTRUCTION DETAILS



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SCALE:
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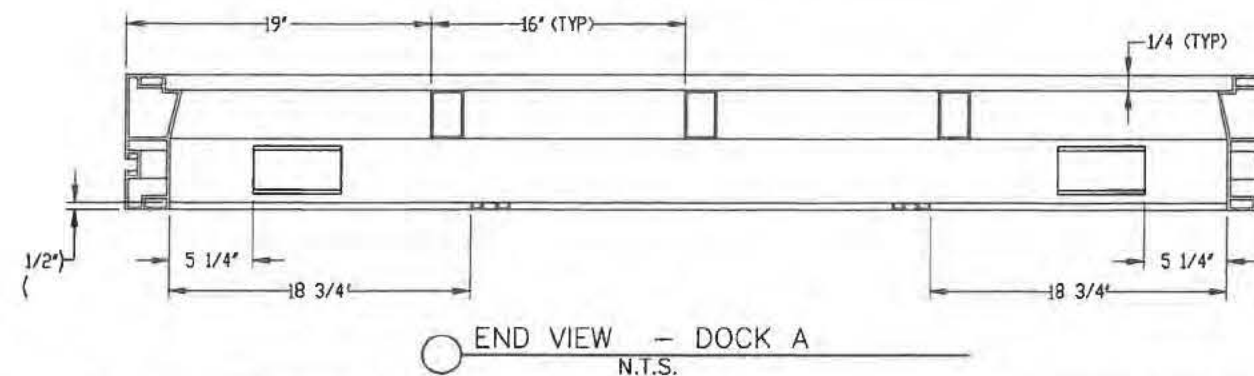
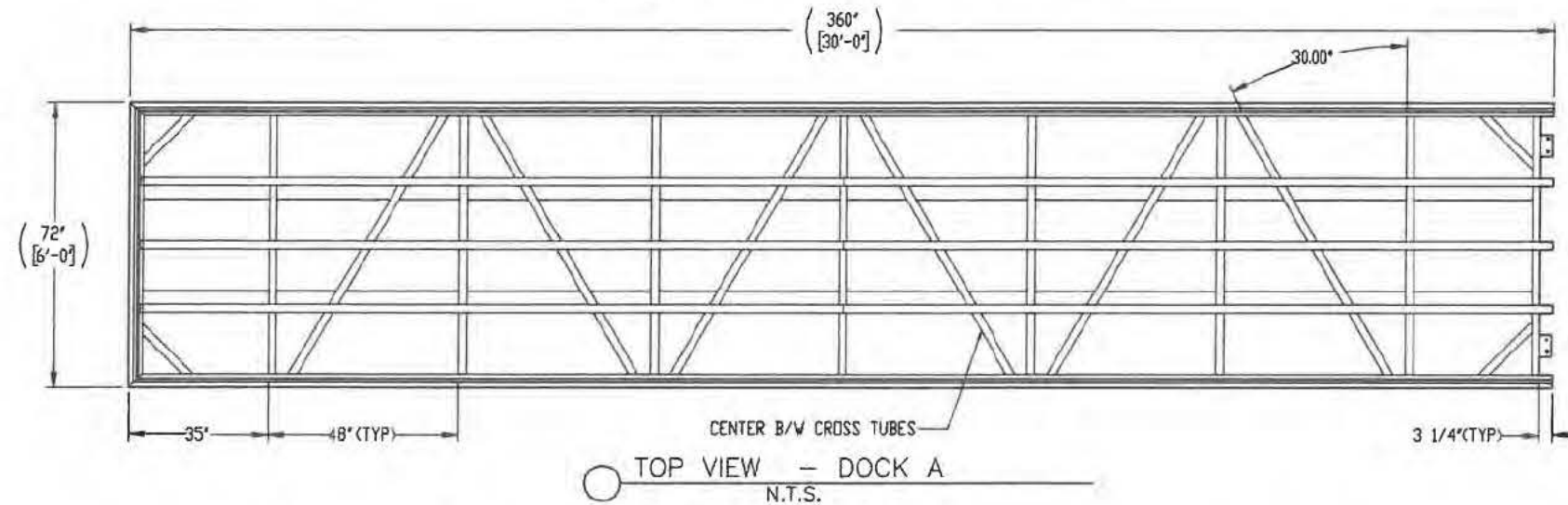
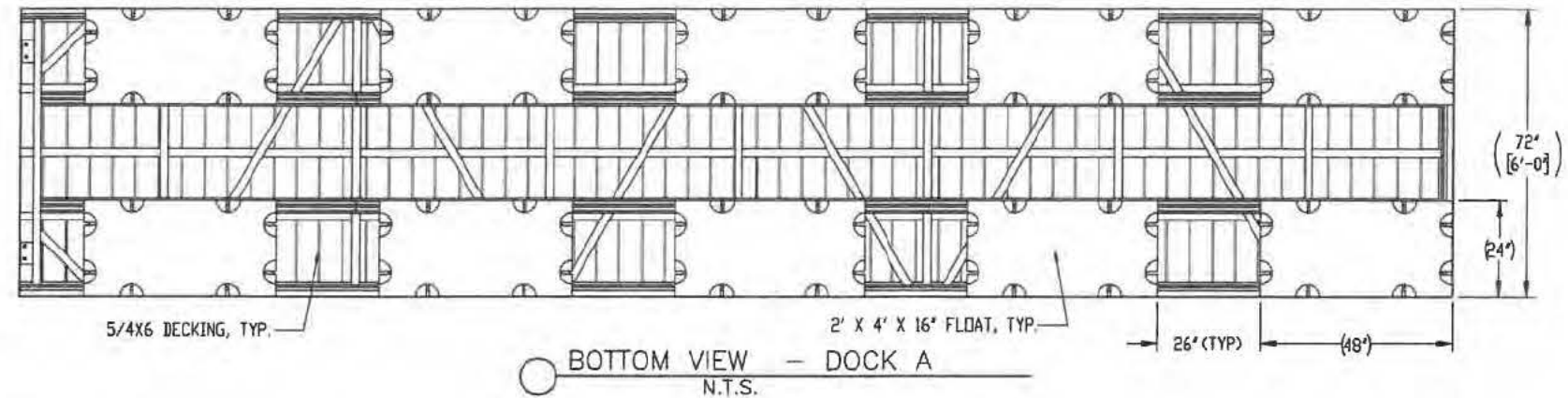
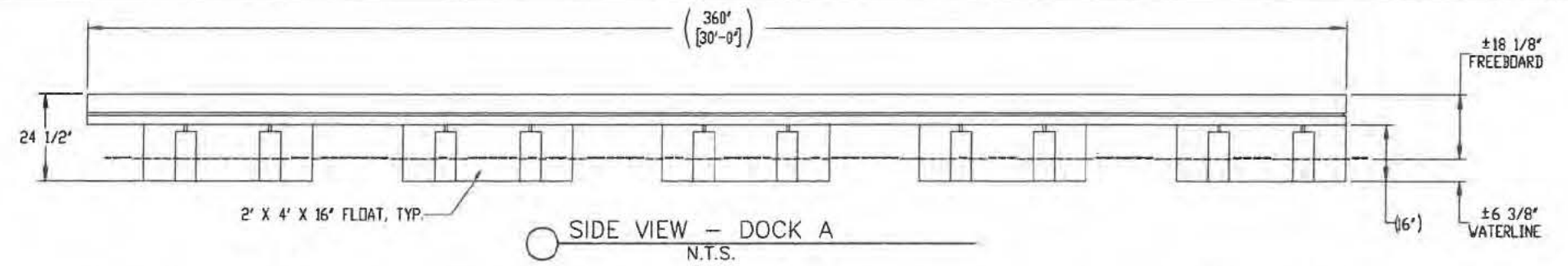
FILENAME:
36818
SHEET:
10 OF 14
REV:

333 N. TAMiami TRAIL,
SARASOTA, FL

FLOATING DOCK DETAILS (6'-0" X 30'-0")

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FLOATING DOCK DETAILS
(6'-0" X 30'-0")



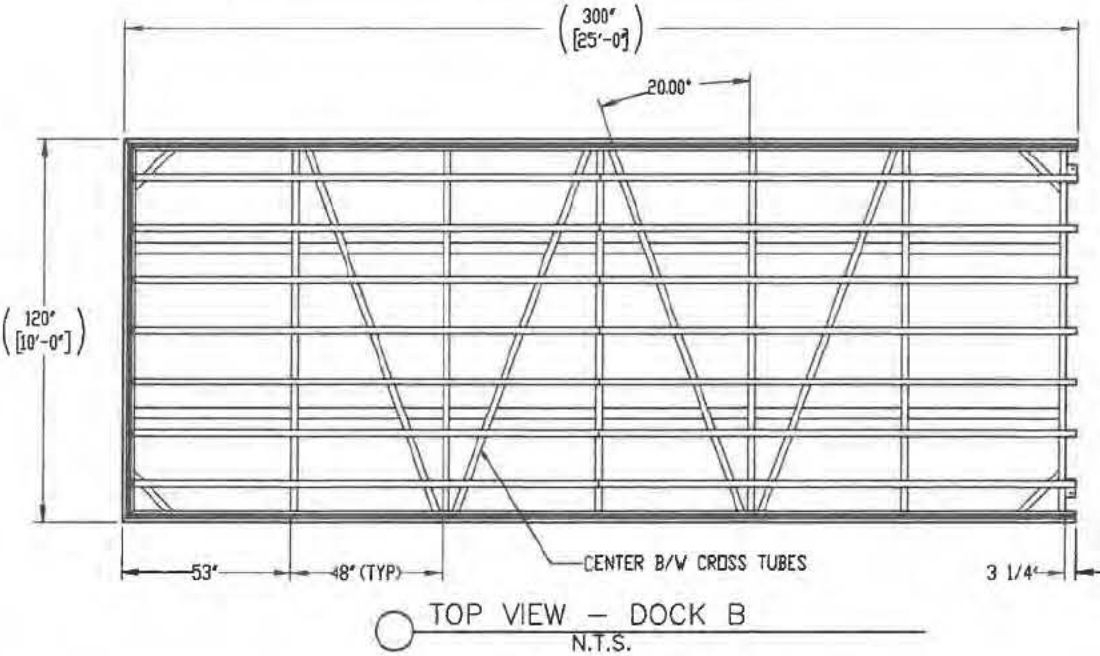
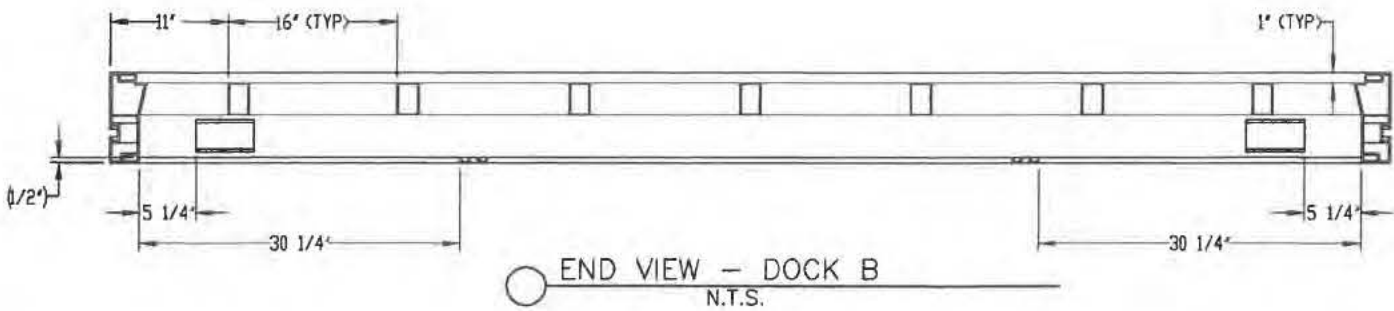
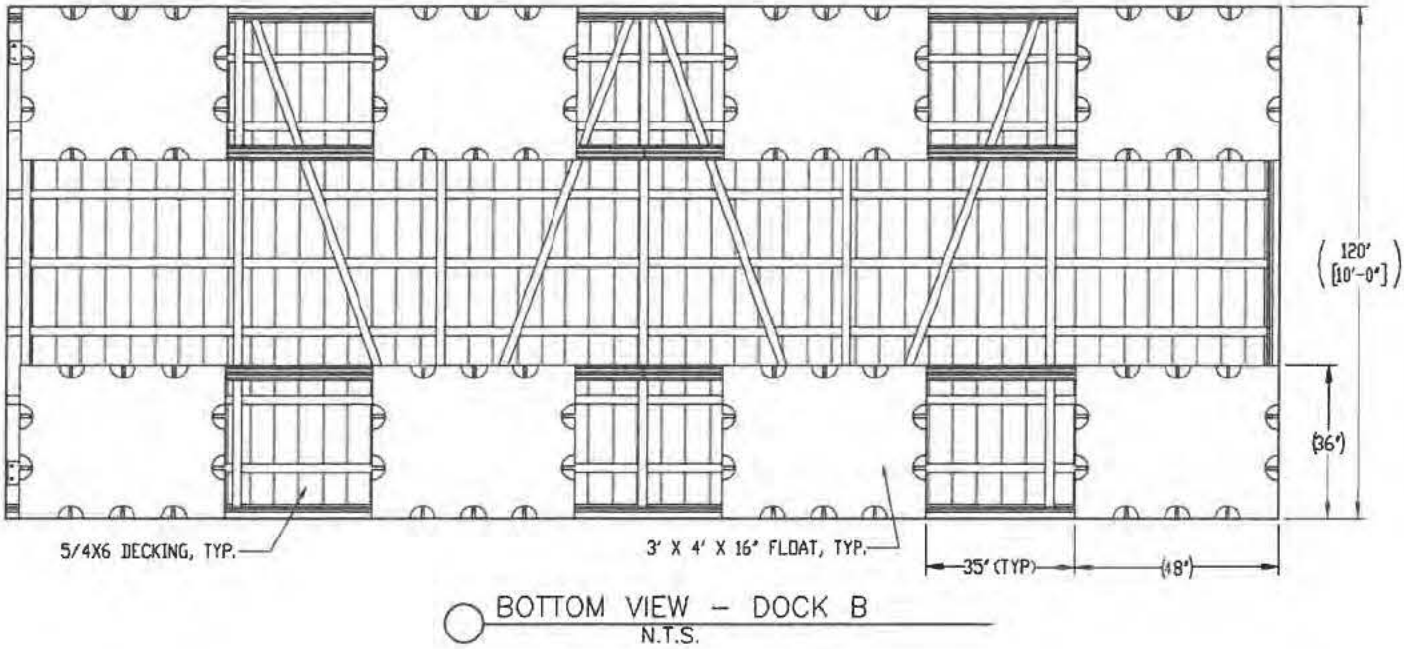
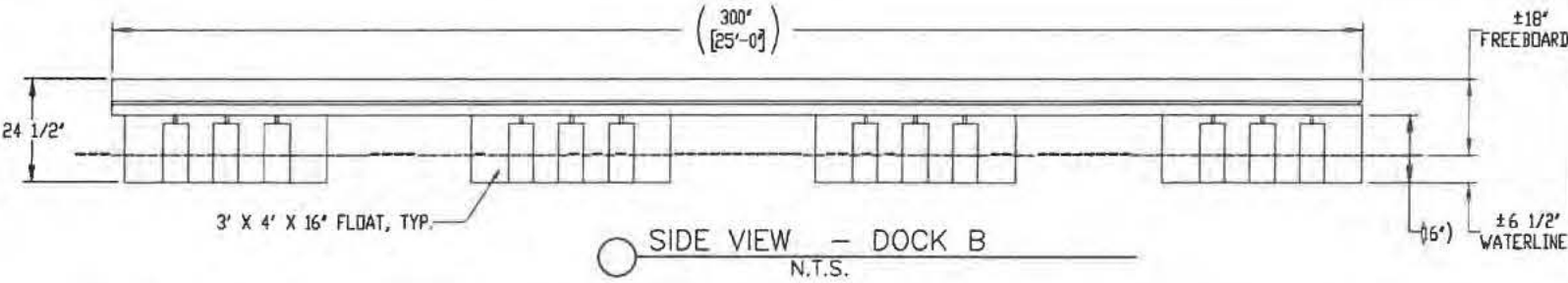
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FL CERTIFICATE OF AUTHORIZATION NO. 32050
DELAWARE LIC. # 18618 NJ LIC. # 24GE05181200
P: (727) 821-1949
WWW.JFOSTERCONSULTING.COM
P.O. BOX 7370, ST. PETERSBURG, FL 33734

DATE: 12/19/19
DRAWN BY: BRT/NSN
CHKD BY: JTF
SCALE: AS NOTED
FILENAME: 38818
SHEET: 11 OF 14
REV:

**333 N. TAMiami TRAIL,
SARASOTA, FL**

FLOATING DOCK DETAILS (10'-0" X 25'-0")

NOTE: ALL DETAILS AND SPECIFICATIONS ARE REFERENCED FROM PRODUCT ASSEMBLY AND SPECIFICATION SHEETS PROVIDED BY GOLDEN MARINE SYSTEMS LLC FOR THE QUAY DOCK PROJECT. THEY ARE SHOWN AS A REFERENCE ONLY AND ARE THE SOLE PROPERTY OF GOLDEN MARINE SYSTEMS LLC.



FLOATING DOCK DETAILS
(10'-0" X 25'-0")

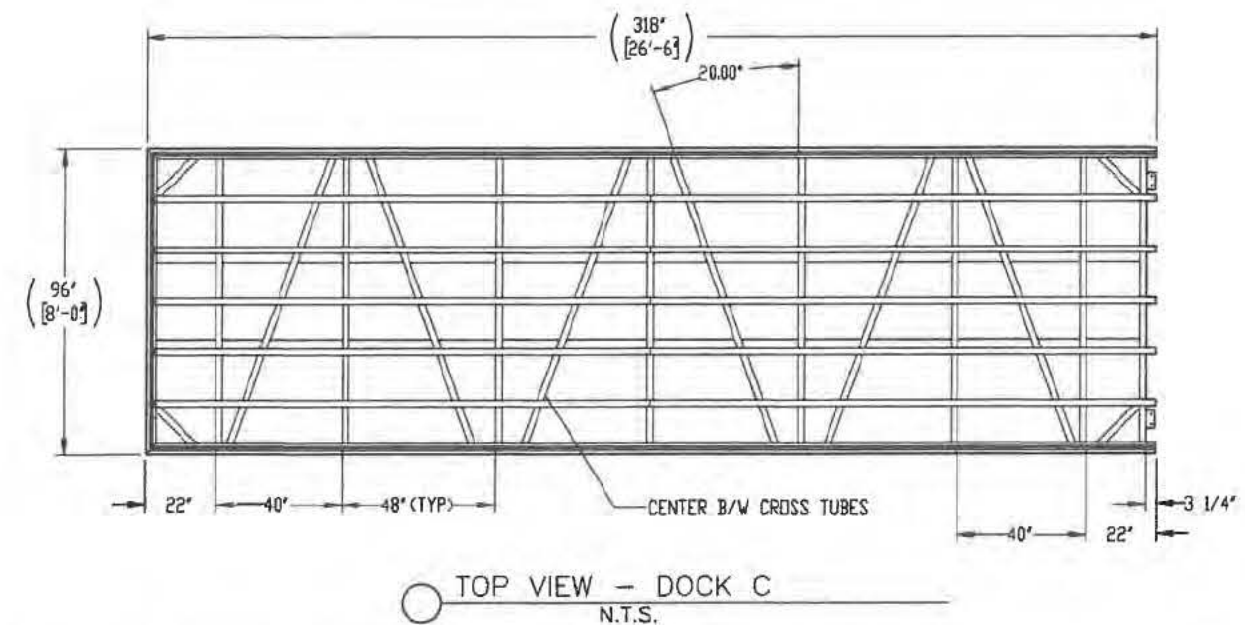
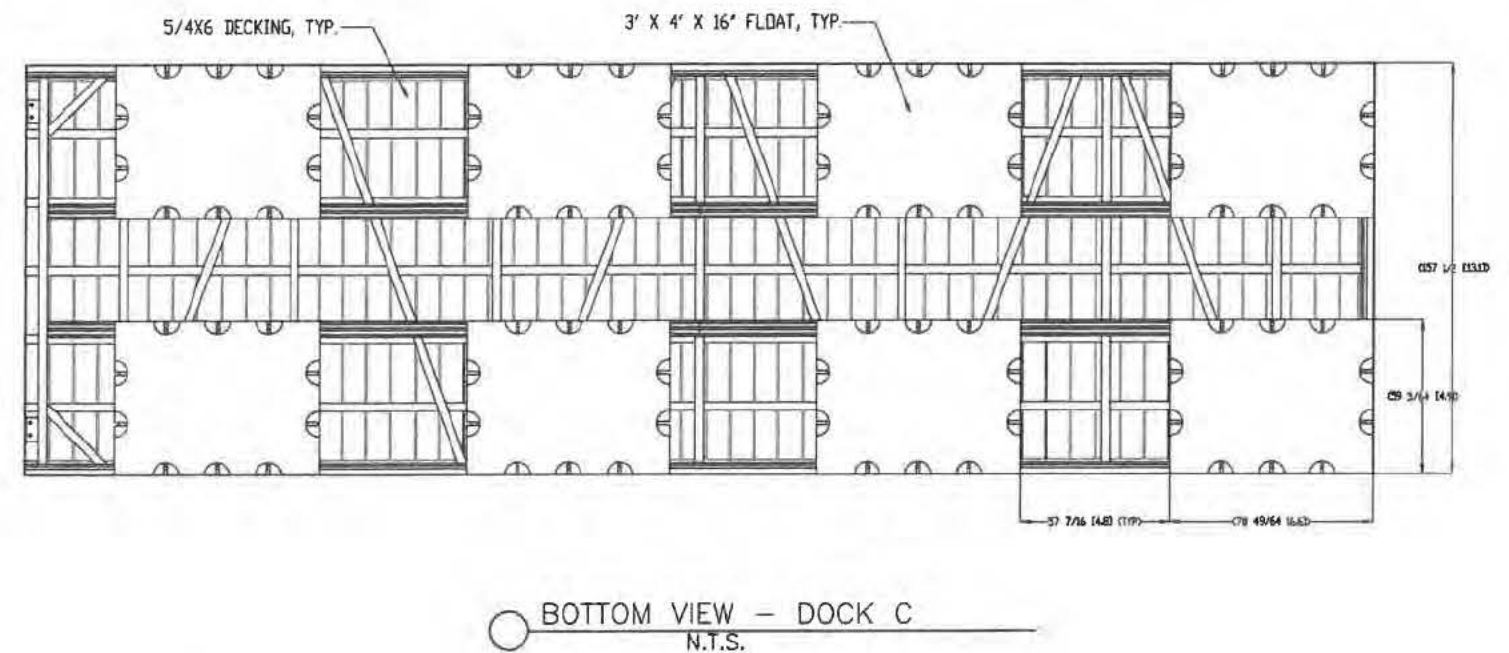
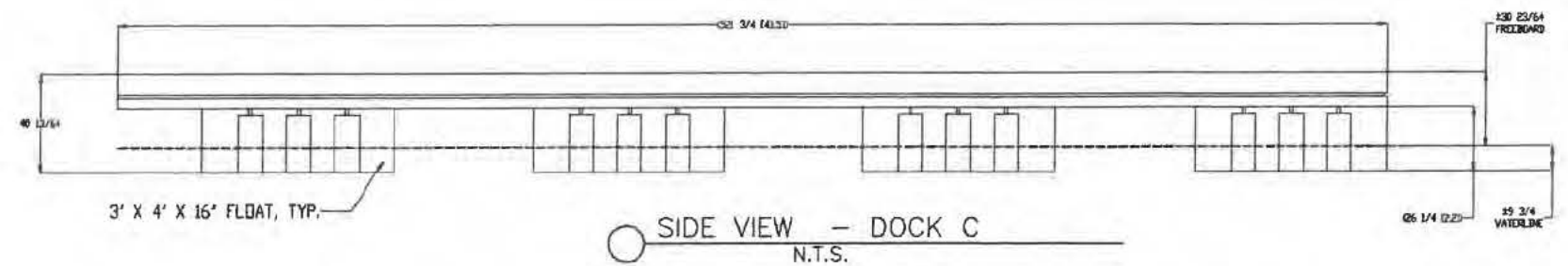
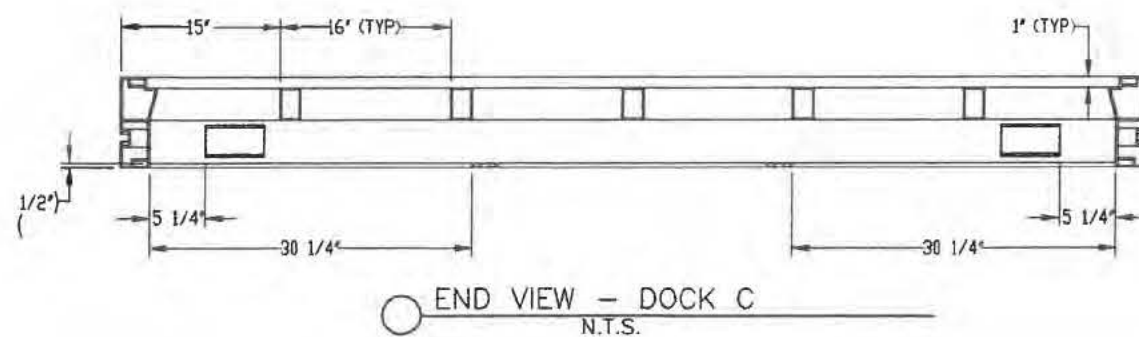


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DATE: 12/19/19	FILE NAME: 36818
DRAWN BY: BRT/NSN	SHEET: 12 OF 14
CHD BY: JTF	REV:
SCALE: AS NOTED	

333 N. TAMiami TRAIL,
SARASOTA, FL

(8'-0" X 26'-6")



FLOATING DOCK DETAILS
(6'-0" X 26'-6")



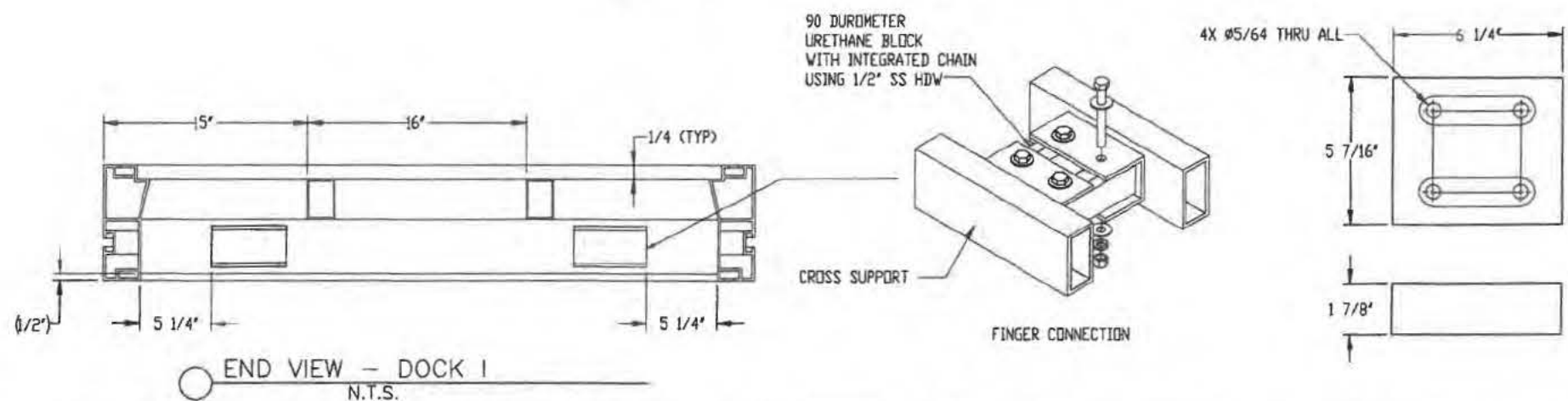
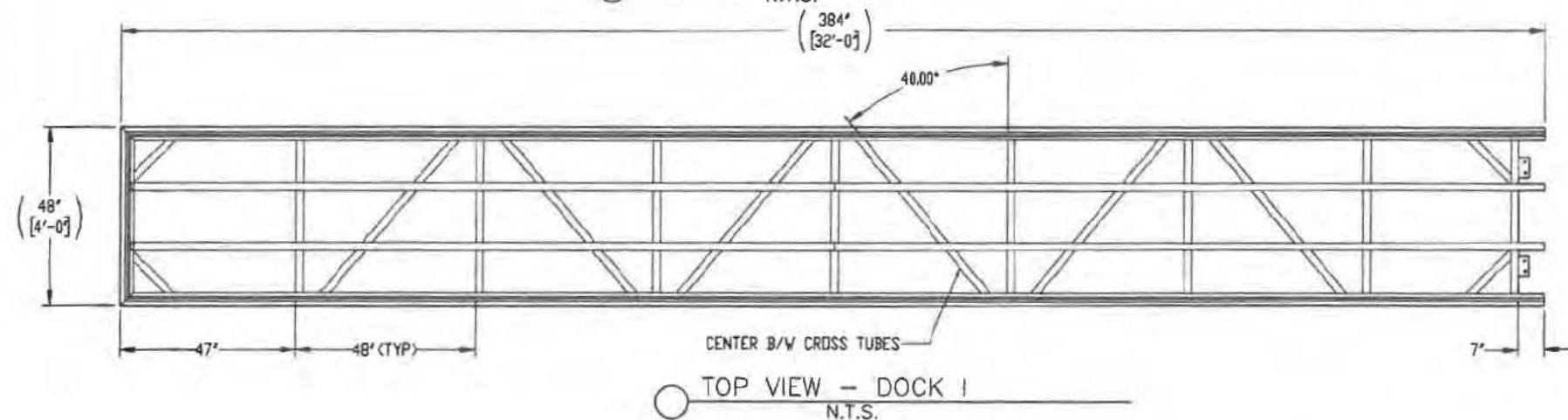
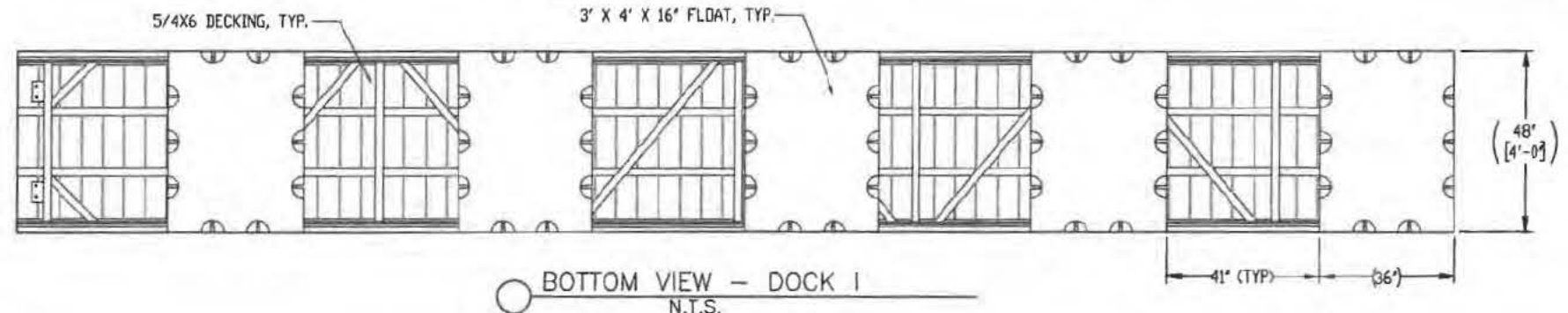
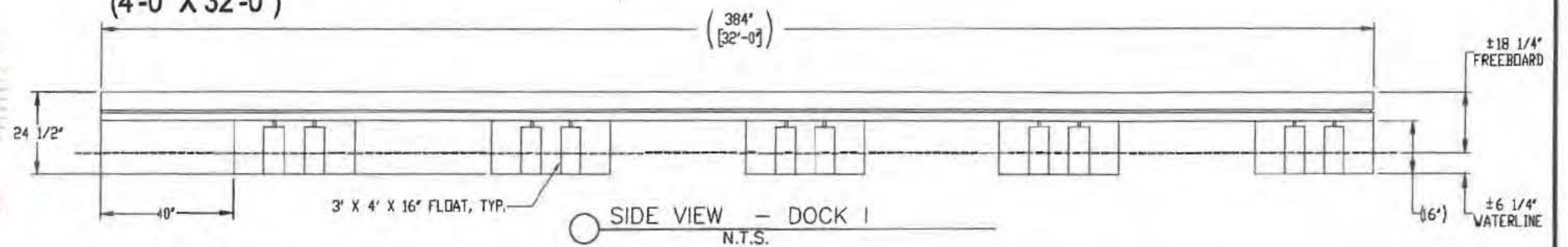
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FL CERTIFICATE OF AUTHORIZATION NO. 32050
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DATE:	12/19/19	FILE NAME:	36818
DRAWN BY:	BRT/NSN	SHEET:	13 OF
CHKD BY:	JTF	REV:	
SCALE:	AS NOTED		

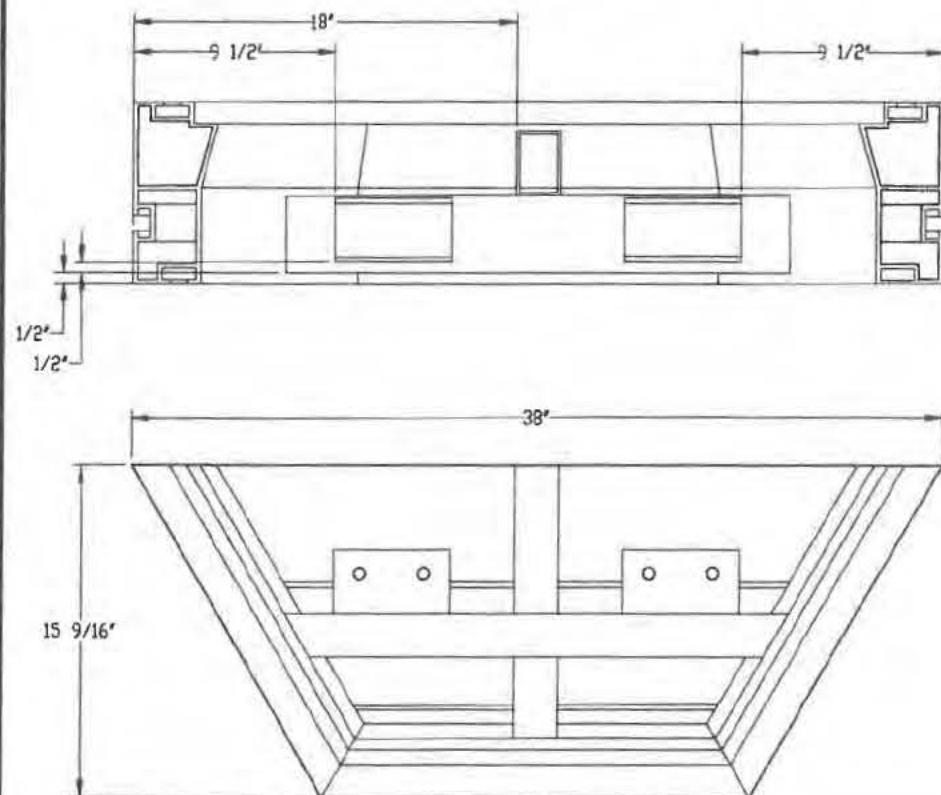
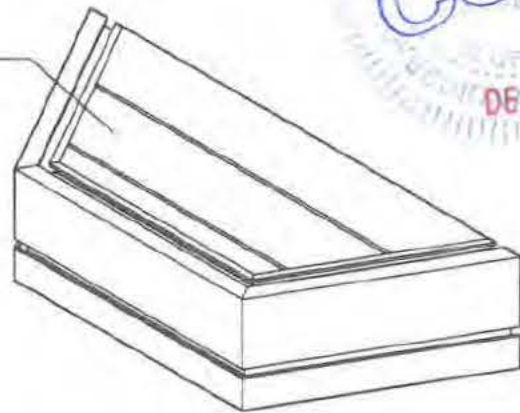
**333 N. TAMiami TRAIL,
SARASOTA, FL**

FLOATING DOCK DETAILS

(4'-0" X 32'-0")



5/4X6 DECKING, TYP.



**TYPICAL PEDESTAL
BUMP DETAILS**
N.T.S.

NOTE: ALL DETAILS AND SPECIFICATIONS ARE REFERENCED FROM PRODUCT ASSEMBLY AND SPECIFICATION SHEETS PROVIDED BY GOLDEN MARINE SYSTEMS LLC FOR THE QUAY DOCK PROJECT. THEY ARE SHOWN AS A REFERENCE ONLY AND ARE THE SOLE PROPERTY OF GOLDEN MARINE SYSTEMS LLC.

PEDESTAL BUMP & FLOATING DOCK
DETAILS (4'X32')

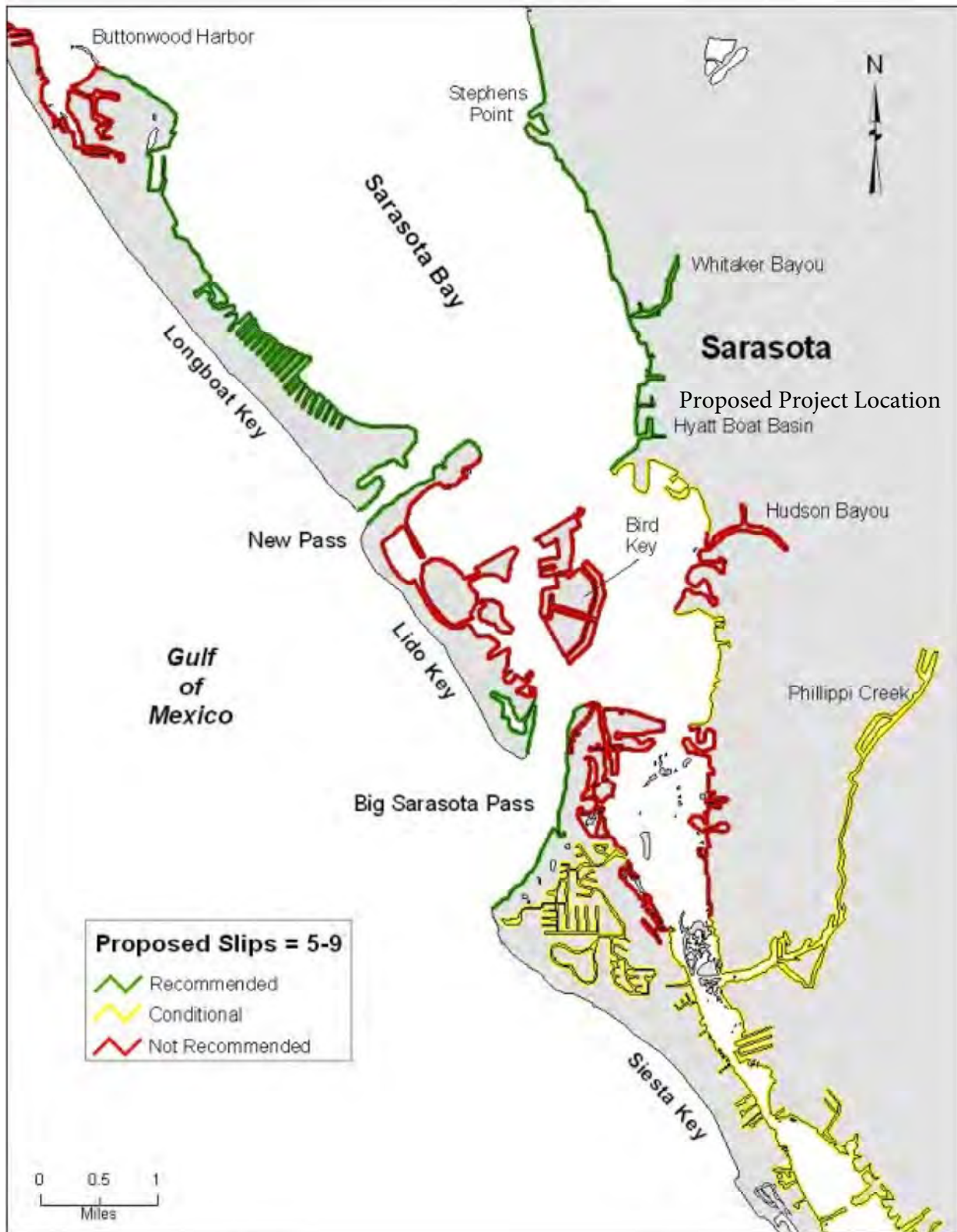


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SCALE: AS NOTED

333 N. TAMiami TRAIL,
SARASOTA, FL

Figure 56. Facility siting outcomes for northern Sarasota County; 5-9 proposed slips.



Tampa Coastal Seagrass Locations

Resources At Risk (RAR) database layer

Legend

 [Show Report Form](#)

 NULL

 The Quay Docks





FIGURE 2.
SEAGEASS AND CORAL SURVEY 2020
QUAY VENTURES
SARASOTA COUNTY, FLORIDA

Sources: FDOT, 1998; ECT, 2020.

ECT Environmental
Consulting &
Technology, Inc.