



US Army Corps  
of Engineers®  
New England District

# PUBLIC NOTICE

696 Virginia Road  
Concord, MA 01742-2751

Date: December 11, 2007  
Comment Period Ends: January 11, 2008  
File Number: NAE 2007-798  
In Reply Refer To: Mr. Brian Valiton  
Or by e-mail: brian.e.valiton@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below. The Corps is soliciting comments on both the project itself and the range of issues to be addressed in the environmental documentation.

**APPLICANT: Woods Hole, Martha's Vineyard and Nantucket Steamship Authority, P.O. Box 284, Railroad Avenue, Woods Hole, Massachusetts 02543**

**ACTIVITY: SSA Hyannis Ferry Terminal Reconstruction** - To reconstruct Slip # 2 at the Steamship Authority (SSA) Terminal at 71 South Street in Hyannis and to install a new floating pier and associated facilities to load and unload fast ferry passengers. A detailed description and plans of the activity are attached.

## **WATERWAY AND LOCATION OF THE PROPOSED WORK**

This work is proposed in Hyannis Inner Harbor at 71 South Street, Hyannis, Massachusetts. The proposed location on the USGS Hyannis Massachusetts quadrangle sheet is at zone 19 UTM coordinates 4611580.00 N and 0393640.00 E

## **AUTHORITY**

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899  
 Section 404 of the Clean Water Act  
 Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably 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 the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers 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 of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other

public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

### ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

This project will impact approx. 30,000 sq. ft. (.69 acres) of Essential Fish Habitat (EFH) for Atlantic butterfish (eggs, larvae, juveniles, adults), Atlantic cod (adults), Atlantic mackerel (eggs, larvae, juveniles, adults), winter flounder (eggs, larvae, juveniles, adults), windowpane flounder (adults), long-finned squid (juveniles, adults), summer flounder (eggs, larvae, juveniles, adults), scup (juveniles, adults), black sea bass (larvae, juveniles, adults), surf clam (juveniles, adults), king mackerel (eggs, larvae, juveniles, adults), Spanish mackerel (eggs, larvae, juveniles, adults), and cobia (eggs, larvae, juveniles, adults). This habitat consists of sub-tidal harbor silts and sediments within the existing ferry landing area. Loss of this habitat may adversely affect some of the life stages of some of these species. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

### SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

**CENAE-R**  
**FILE NO. NAE-2007-798**

- (X) Permit, License or Assent from State.
- (X) Permit from Local Wetland Agency or Conservation Commission.
- ( ) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

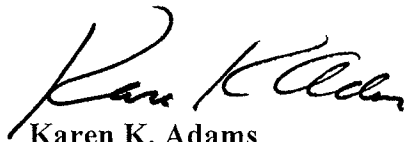
In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Mr. Brian Valiton at (978) 318-8166, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

For more information on the New England District Corps of Engineers programs, visit our website at <http://www.nae.usace.army.mil>.

**THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.**



**Karen K. Adams**  
**Chief, Permits and Enforcement Branch**  
**Regulatory Division**

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at [bettina.m.chaisson@usace.army.mil](mailto:bettina.m.chaisson@usace.army.mil). You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

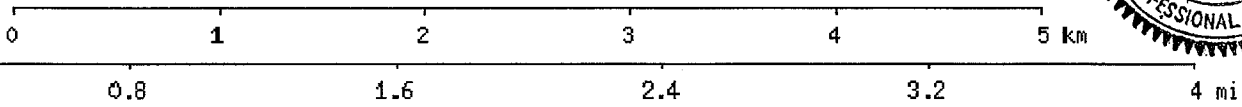
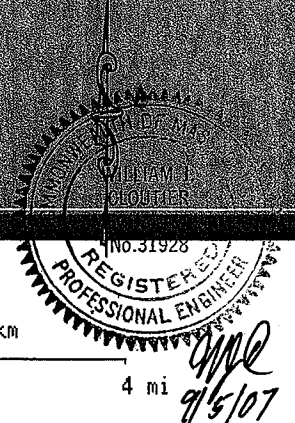
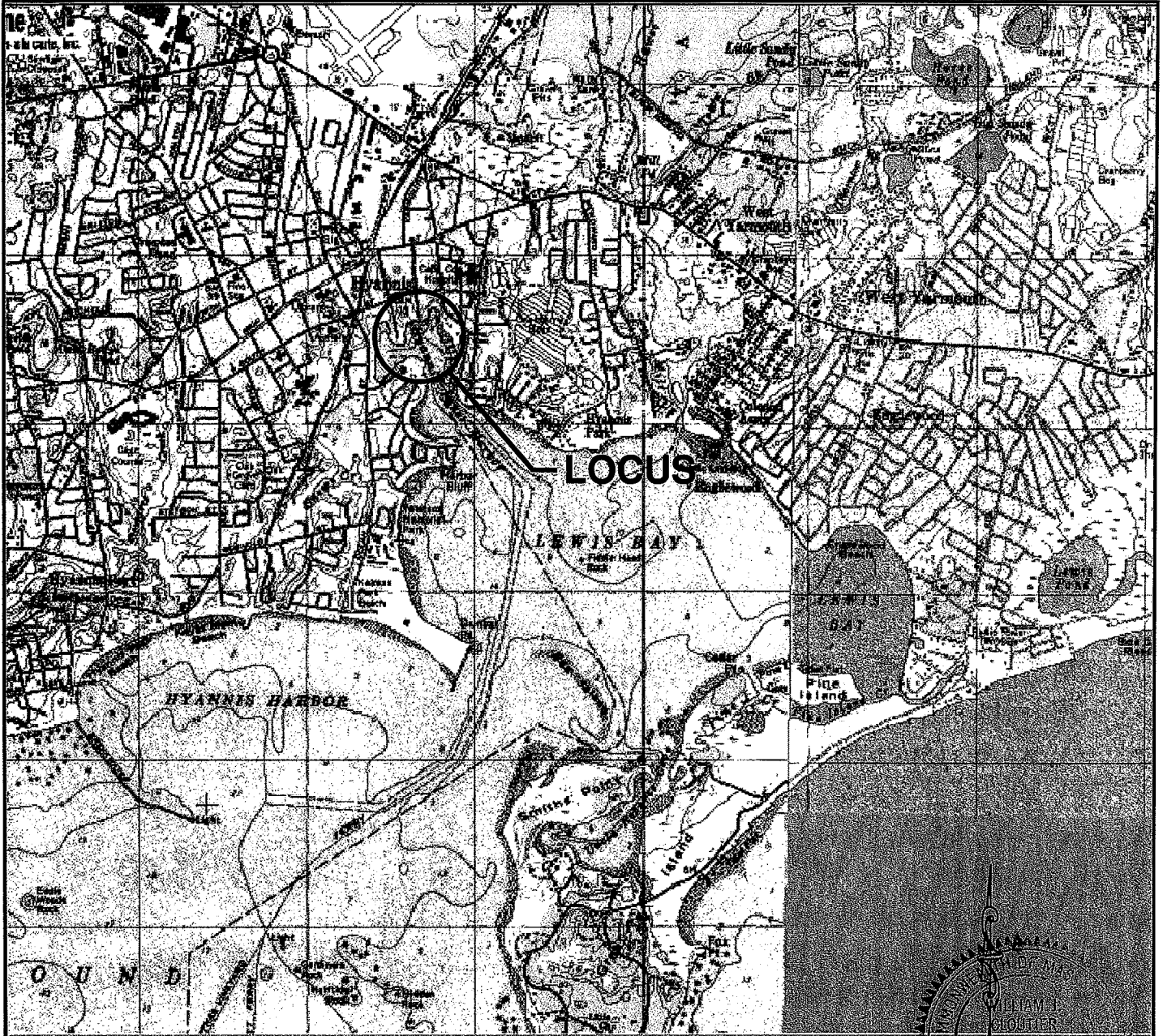
**CENAE-R**

**FILE NO. NAE-2007-798**

**PROPOSED WORK AND PURPOSE**

The work includes work in navigable waters for the reconstruction of Slip # 2 at the SSA terminal in Hyannis. The work will realign the slip so it will be nearly parallel with Slip # 1, will require installation of a new proposed pile-supported transfer bridge, numerous new dolphins (head, turning and approach dolphins), and numerous structures in and over the waterway in conjunction with the new fast ferry docking facility. This will include a fast ferry berthing float and gangway, loading wharf and gangway, and a passenger shelter.

The work is described on the enclosed plans entitled "INSTALLATION OF NEW STEEL PILE SUPPORTED CONCRETE DOLPHINS, TIMBER PIER, AND STEEL TRANSFER BRIDGE," on 21 sheets, and dated "7/26/07."

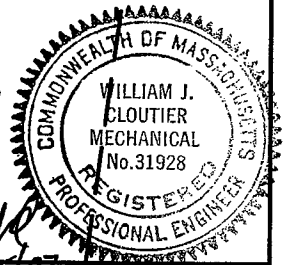
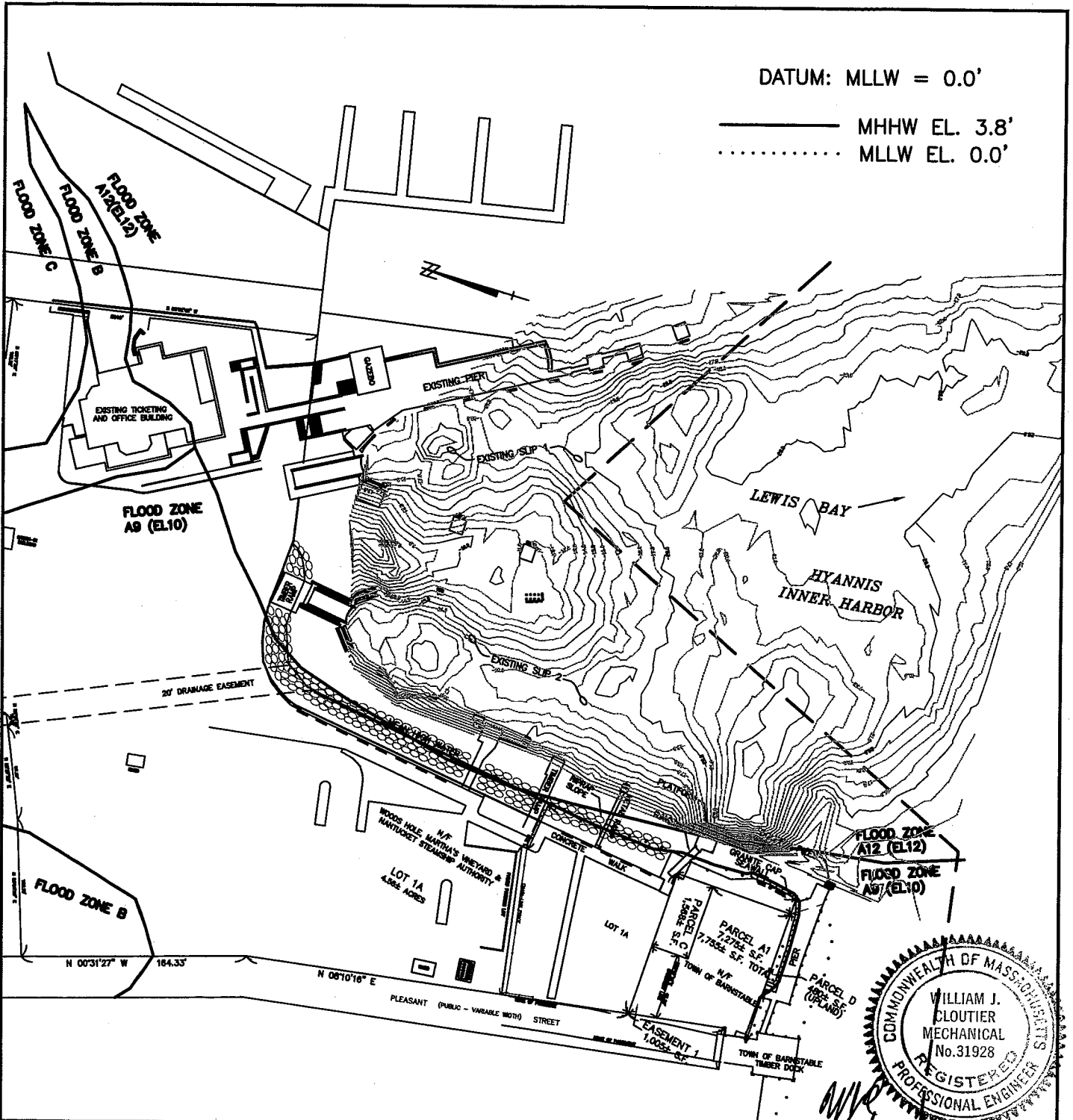


<p>PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE</p>	<p><b>VICINITY MAP</b></p>	<p><b>INSTALLATION OF NEW STEEL PILE SUPPORTED CONCRETE DOLPHINS, TIMBER PIER, AND STEEL TRANSFER BRIDGE</b></p>
<p>DATUM: MLLW = 0.0'</p> <p>CHILDS ENGINEERING CORPORATION BOX 333 MEDFIELD, MA. 02052</p>	<p>SCALE AS SHOWN</p> <p>APPLICATION BY: THE STEAMSHIP AUTHORITY 509 FALMOUTH ROAD, SUITE 1C MASHPEE, MA 02649</p>	<p>IN: HYANNIS AT: HYANNIS INNER HARBOR COUNTY: BARNSTABLE STATE: MA</p> <p>SHEET 1 OF 21 DATE: 7/26/07</p>

DATUM: MLLW = 0.0'

———— MHHW EL. 3.8'

..... MLLW EL. 0.0'

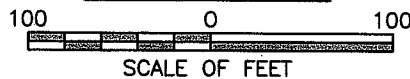


PURPOSE: CONSTRUCT AND MAINTAIN  
 NEW FERRY TERMINAL FACILITIES  
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DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
 BOX 333 MEDFIELD, MA. 02052

### SITE PLAN

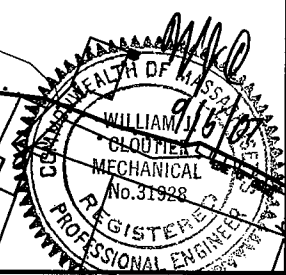
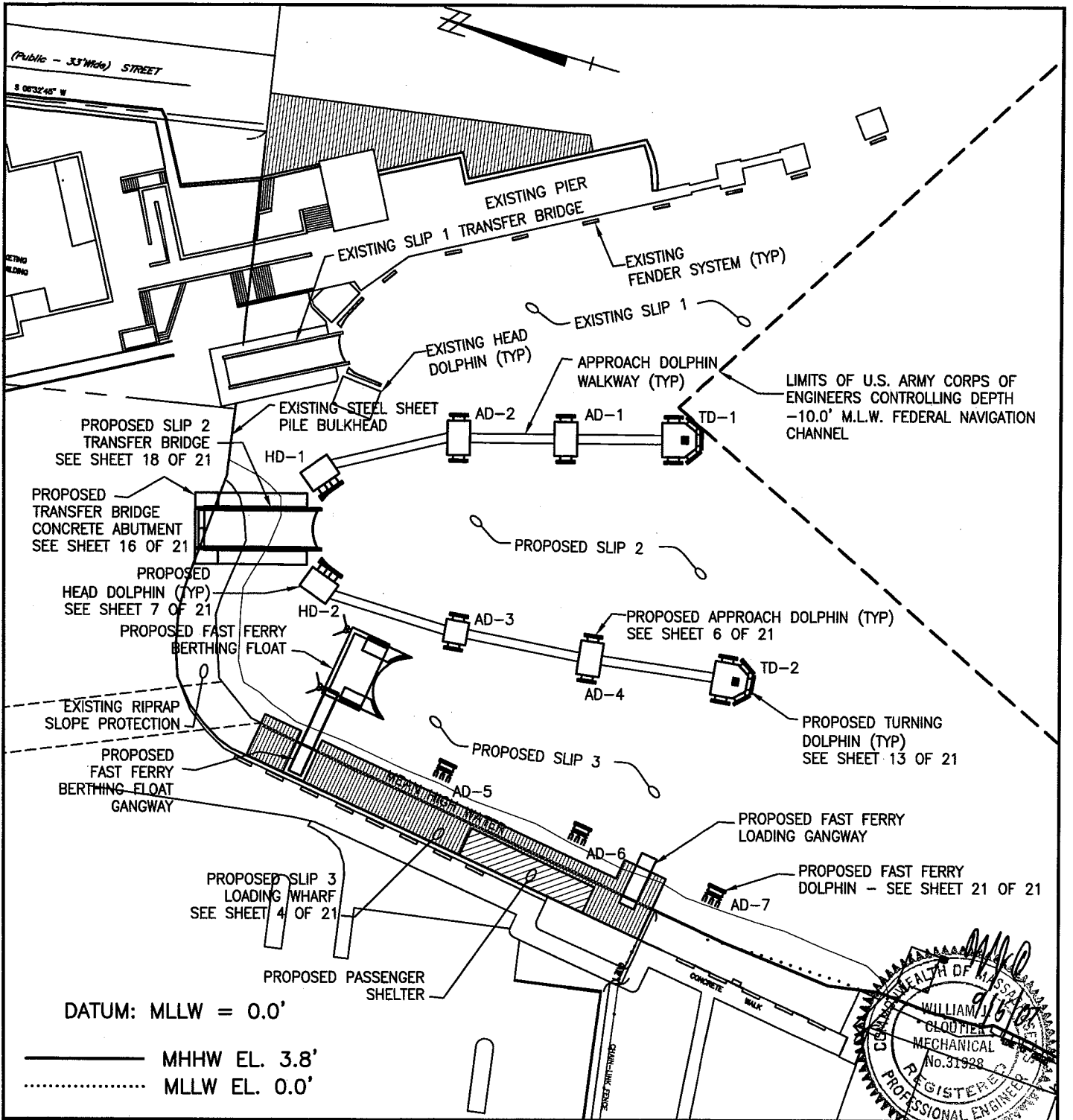


APPLICATION BY:  
 THE STEAMSHIP AUTHORITY  
 509 FALMOUTH ROAD, SUITE 1C  
 MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
 SUPPORTED CONCRETE DOLPHINS, TIMBER  
 PIER, AND STEEL TRANSFER BRIDGE

IN: HYANNIS  
 AT: HYANNIS INNER HARBOR  
 COUNTY: BARNSTABLE STATE: MA

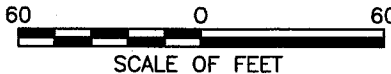
SHEET 2 OF 21 DATE: 7/26/07



PURPOSE: CONSTRUCT AND MAINTAIN  
 NEW FERRY TERMINAL FACILITIES  
 INCLUDING CONCRETE DOLPHINS  
 AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'  
 CHILDS ENGINEERING CORPORATION  
 BOX 333 MEDFIELD, MA. 02052

**PROPOSED PLAN**

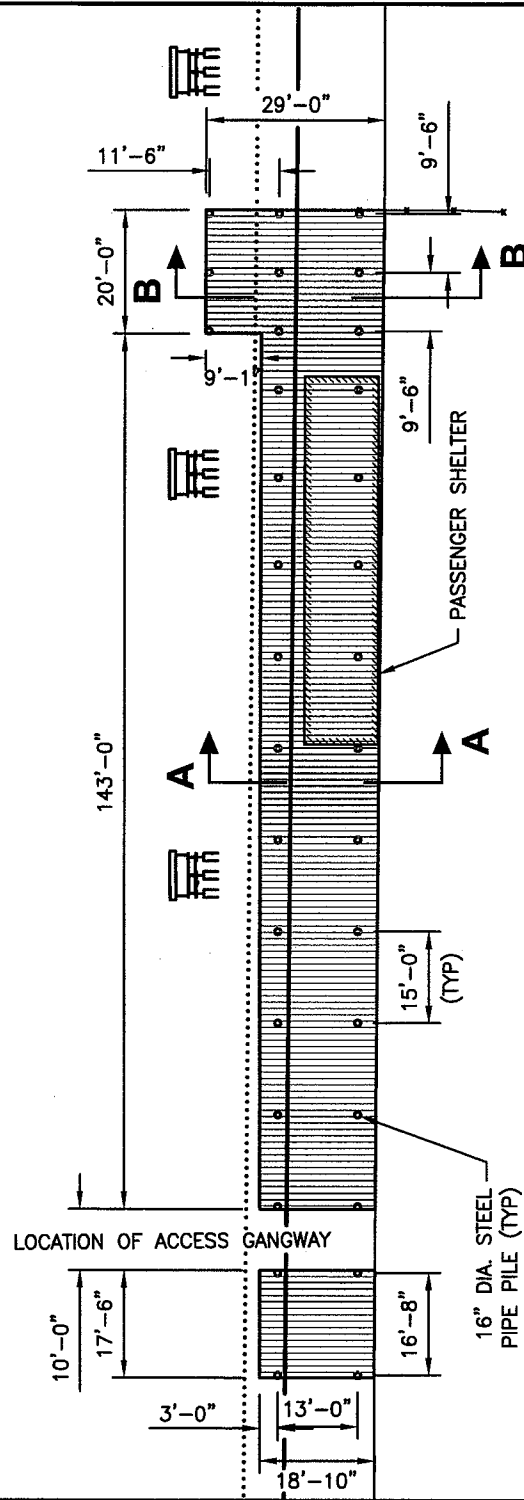


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IN: HYANNIS  
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 COUNTY: BARNSTABLE STATE: MA

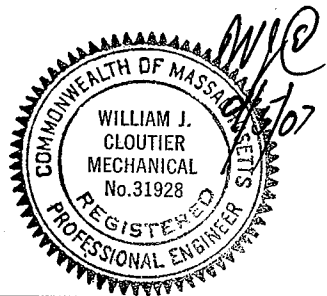
SHEET 3 OF 21 DATE: 7/26/07



DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'

**PIER PLAN**  
SCALE: 1"=30'-0"

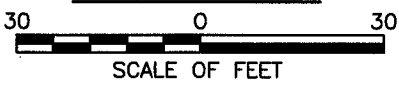


PURPOSE: CONSTRUCT AND MAINTAIN  
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DATUM: MLLW = 0.0'

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**PIER PLAN**



SCALE OF FEET

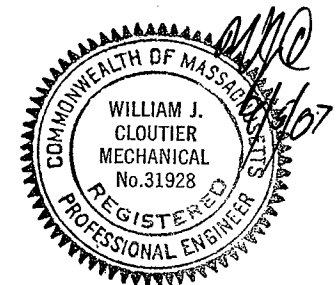
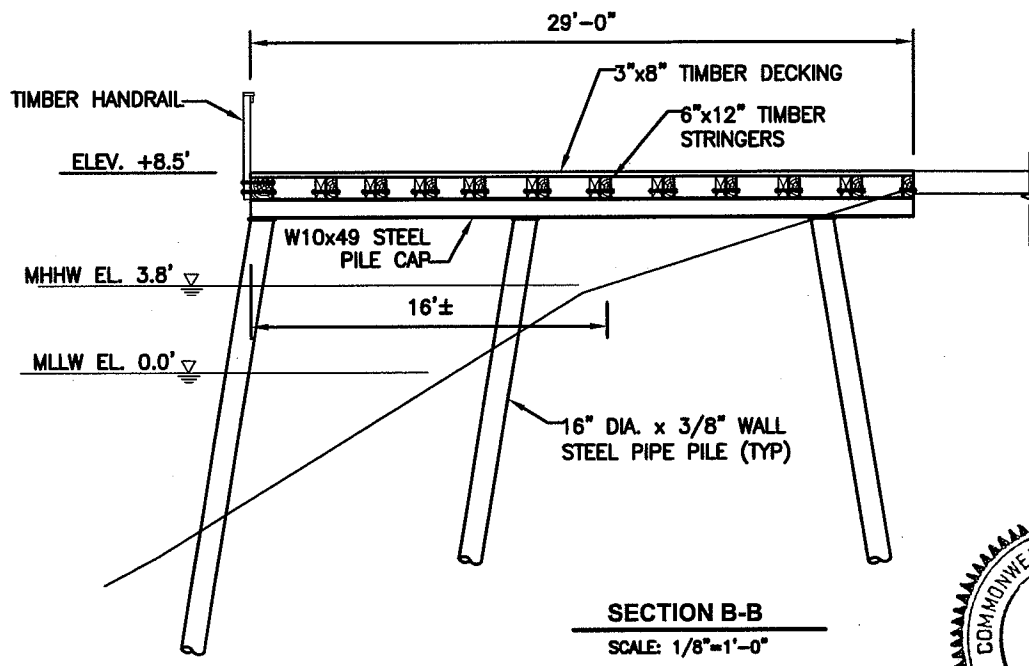
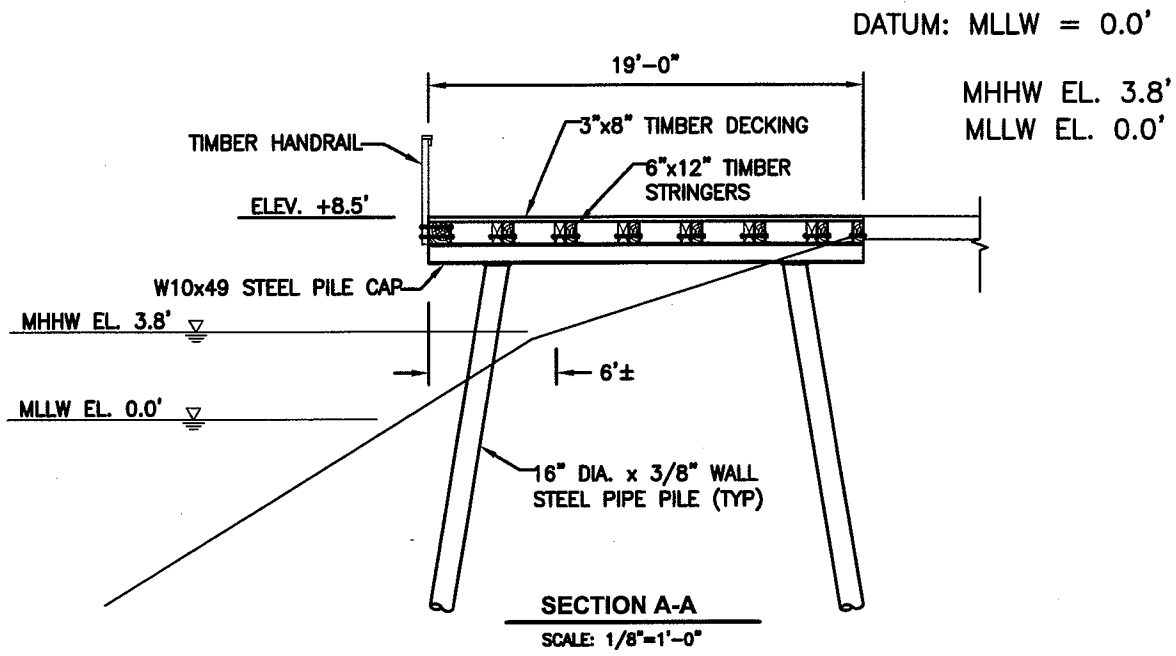
APPLICATION BY:  
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INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
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IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 4 OF 21 DATE: 7/26/07





PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
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**PIER SECTIONS**

SCALE OF FEET

APPLICATION BY:  
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INSTALLATION OF NEW STEEL PILE SUPPORTED CONCRETE DOLPHINS, TIMBER PIER, AND STEEL TRANSFER BRIDGE

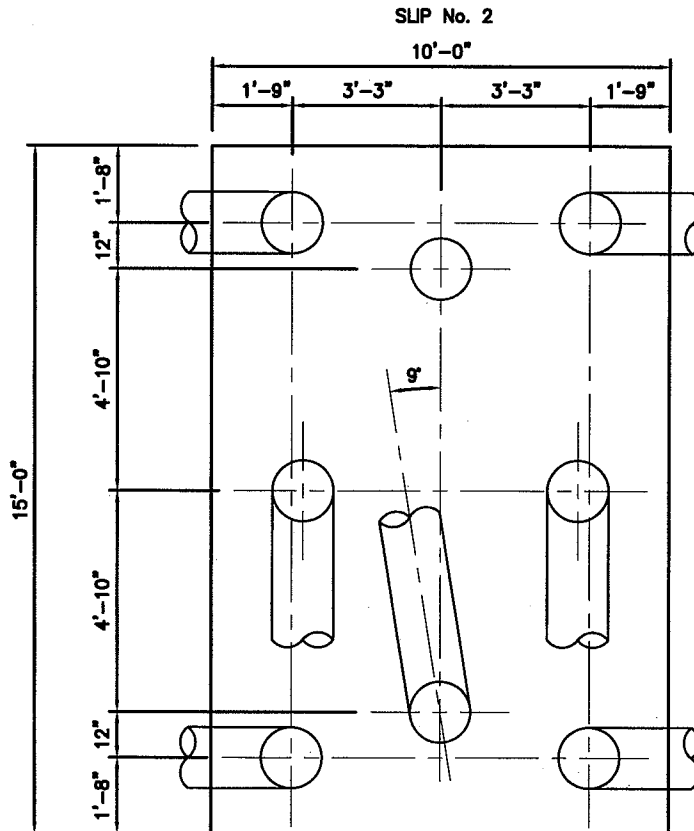
IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 5 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

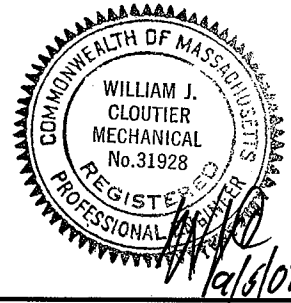
MHHW EL. 3.8'

MLLW EL. 0.0'



**PILE PLAN-APPROACH DOLPHINS 1, 2, & 4**

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

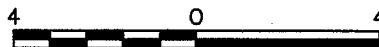


PURPOSE: CONSTRUCT AND MAINTAIN  
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DATUM: MLLW = 0.0'

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**APPROACH DOLPHINS**



SCALE OF FEET

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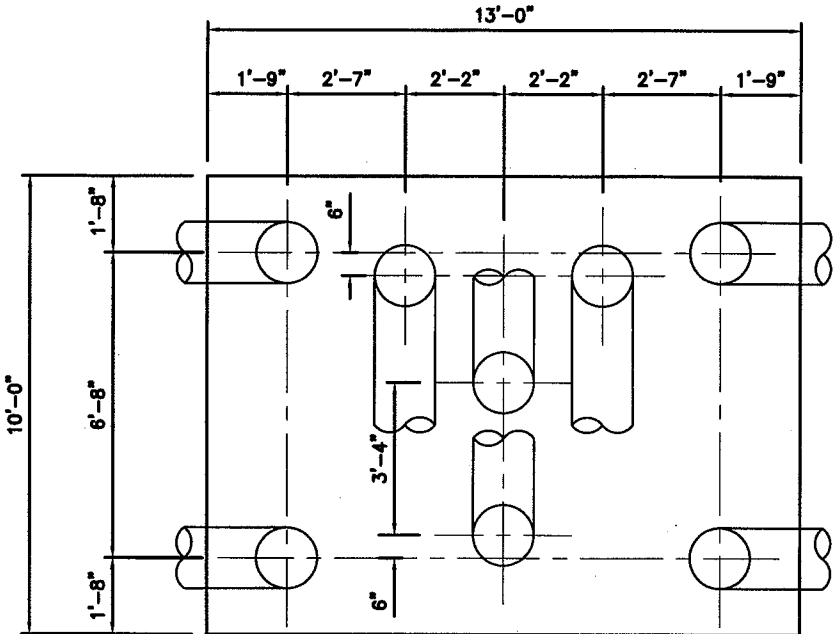
SHEET 6 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

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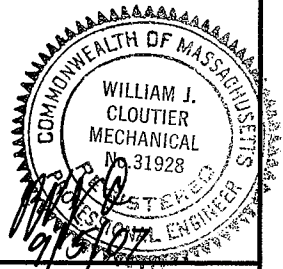
MLLW EL. 0.0'

SLIP No. 2



**PILE PLAN-APPROACH DOLPHIN 3**

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

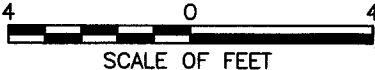


PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION BOX 333 MEDFIELD, MA. 02052

**APPROACH DOLPHINS**



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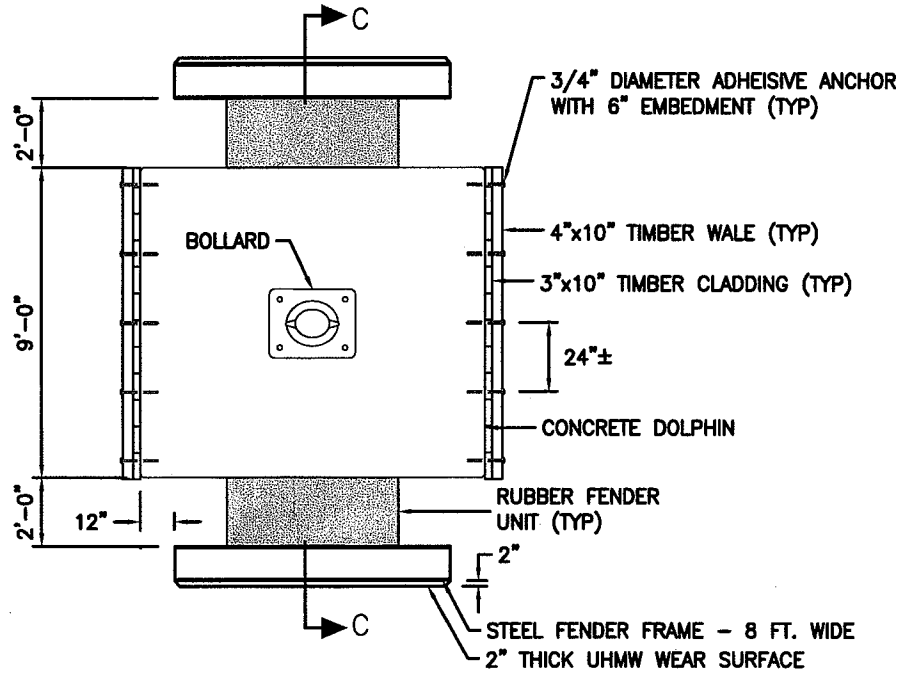
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AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 7 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

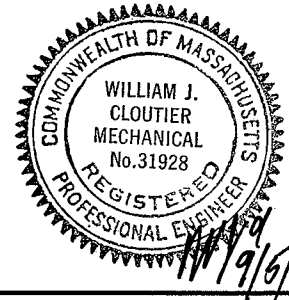
MHHW EL. 3.8'

MLLW EL. 0.0'



### APPROACH DOLPHIN FENDER PLAN

SCALE: 3/16"=1'-0"



PURPOSE: CONSTRUCT AND MAINTAIN  
NEW FERRY TERMINAL FACILITIES  
INCLUDING CONCRETE DOLPHINS  
AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

### DOLPHIN FENDER



SCALE OF FEET

APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
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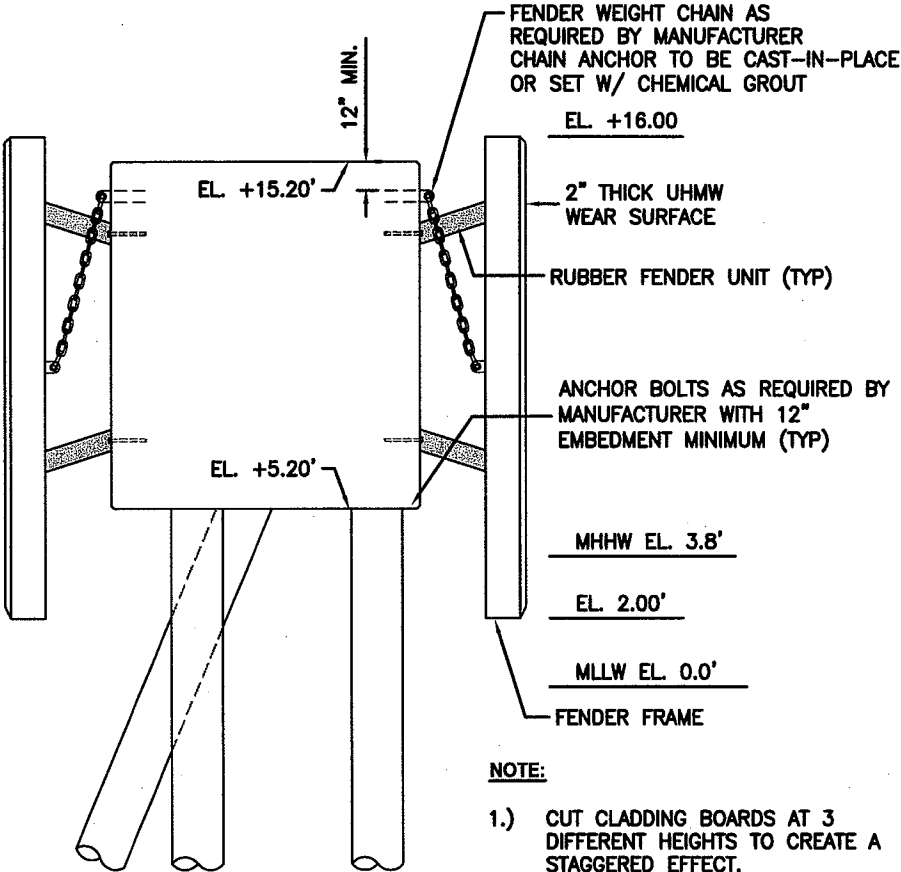
IN: HYANNIS  
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COUNTY: BARNSTABLE STATE: MA

SHEET 8 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

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MLLW EL. 0.0'

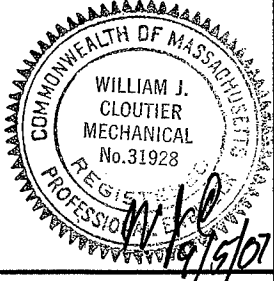


- NOTE:**
- 1.) CUT CLADDING BOARDS AT 3 DIFFERENT HEIGHTS TO CREATE A STAGGERED EFFECT.

SECTION C-C

**APPROACH DOLPHIN FENDER SECTION**

SCALE: 3/16"=1'-0"



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**DOLPHIN FENDER**



SCALE OF FEET

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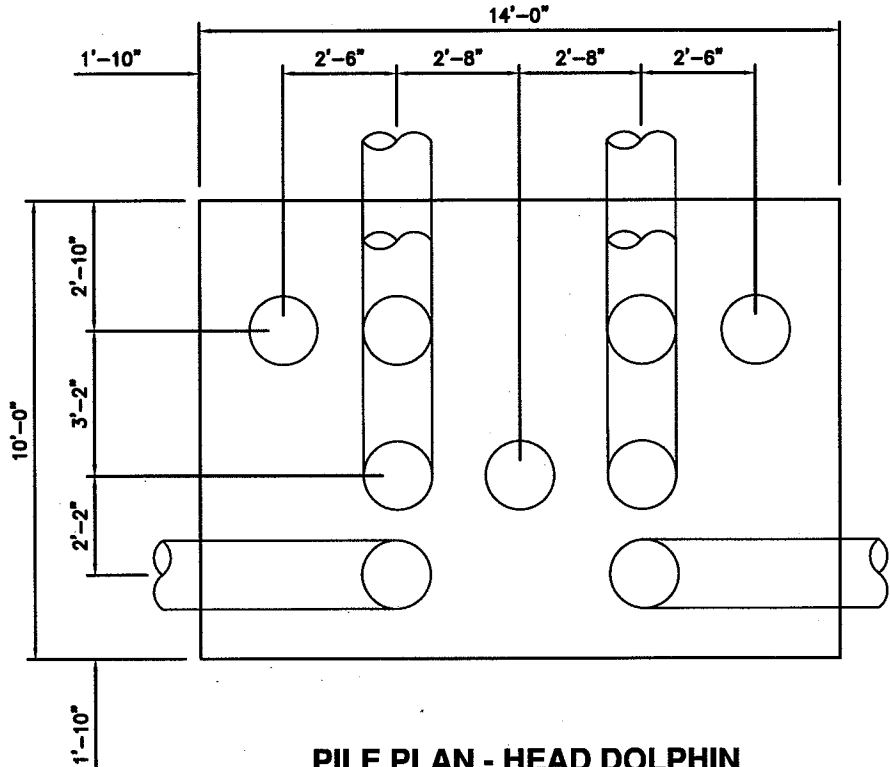
INSTALLATION OF NEW STEEL PILE  
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IN: HYANNIS  
 AT: HYANNIS INNER HARBOR  
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SHEET 9 OF 21 DATE: 7/26/07

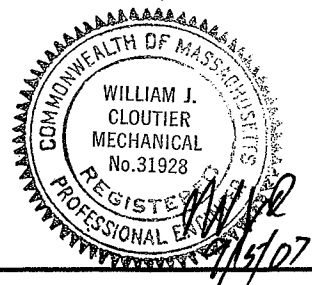
DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'



**PILE PLAN - HEAD DOLPHIN**

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



PURPOSE: CONSTRUCT AND MAINTAIN  
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DATUM: MLLW = 0.0'

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**HEAD DOLPHINS**

SCALE OF FEET

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MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
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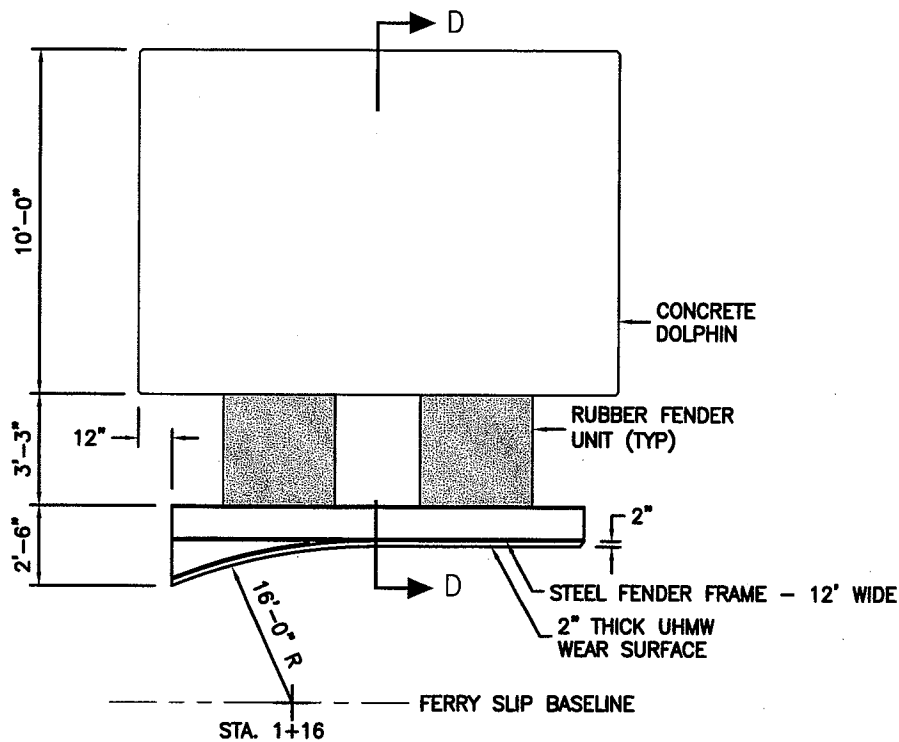
IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 10 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

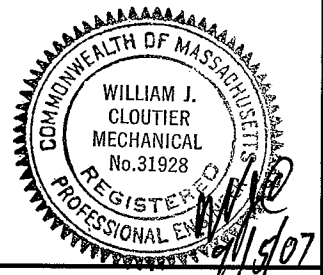
MHHW EL. 3.8'

MLLW EL. 0.0'



### HEAD DOLPHIN FENDER PLAN

SCALE: 3/16" = 1'-0"



PURPOSE: CONSTRUCT AND MAINTAIN  
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DATUM: MLLW = 0.0'

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SCALE OF FEET

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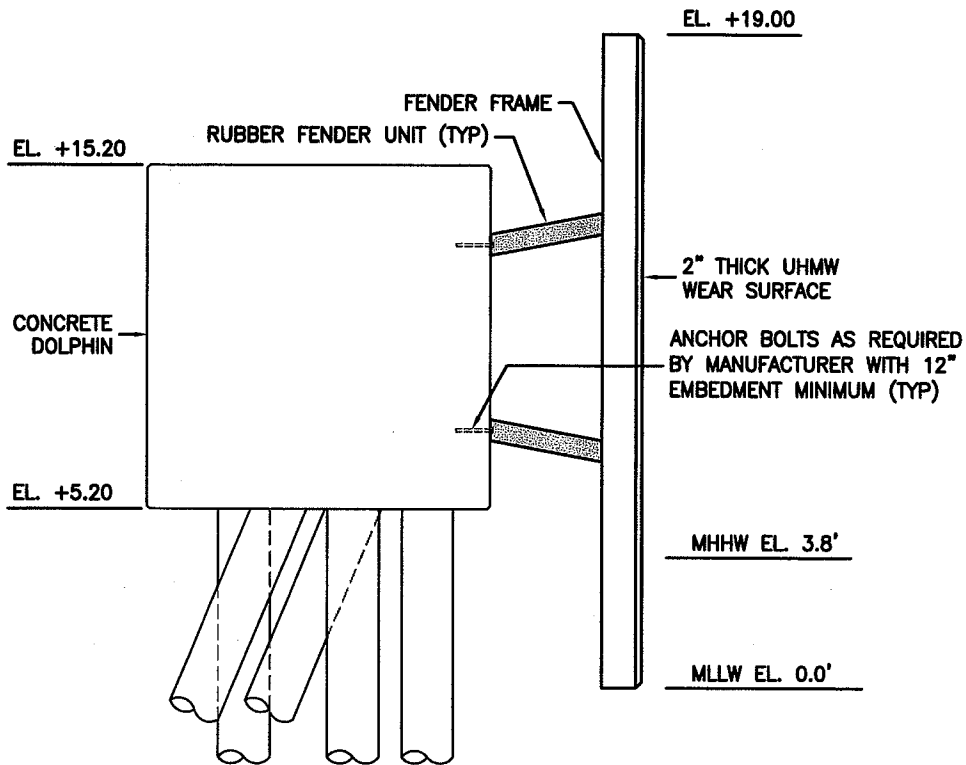
IN: HYANNIS  
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SHEET 11 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

MHHW EL. 3.8'

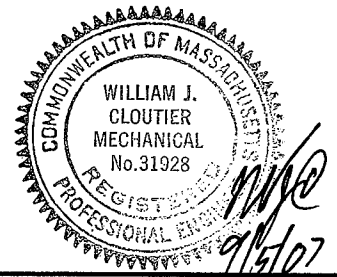
MLLW EL. 0.0'



SECTION D-D

**HEAD DOLPHIN FENDER SECTION**

SCALE: 3/16"=1'-0"



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**DOLPHIN FENDER**



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509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
PIER, AND STEEL TRANSFER BRIDGE

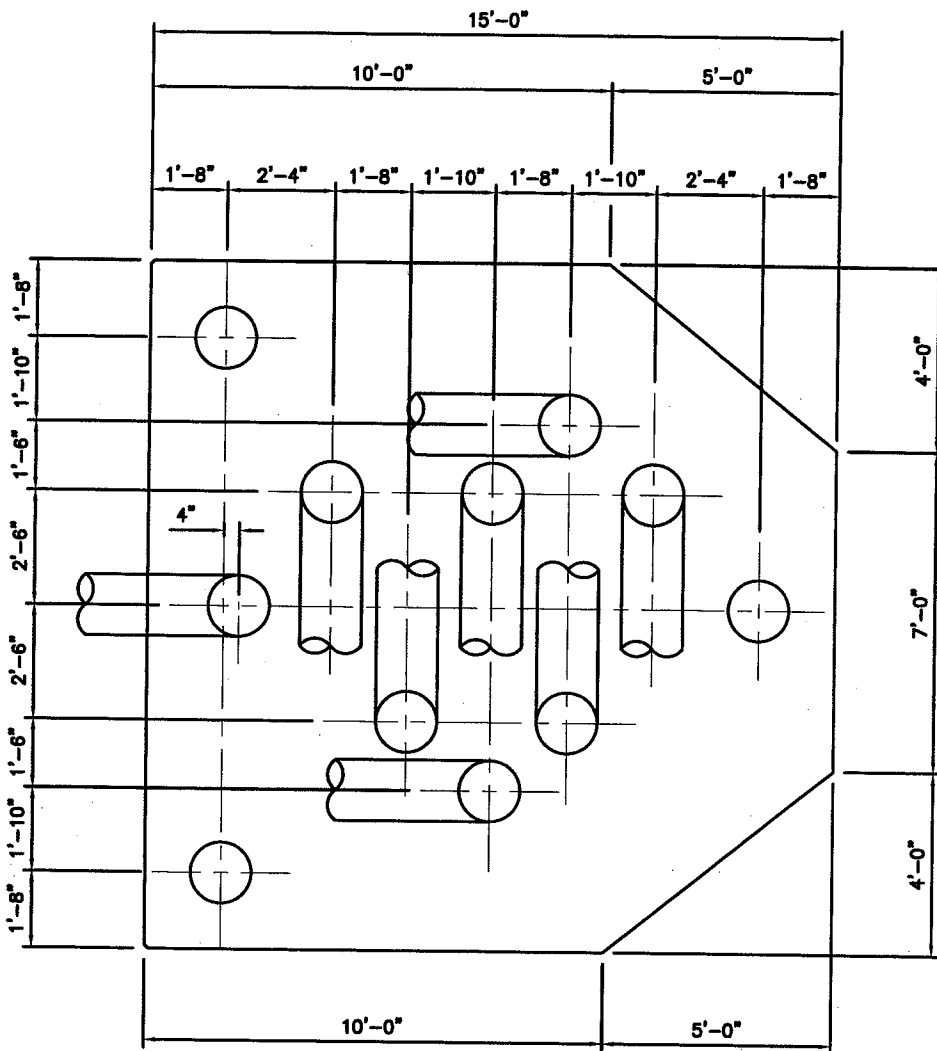
IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 12 OF 21 DATE: 7/26/07



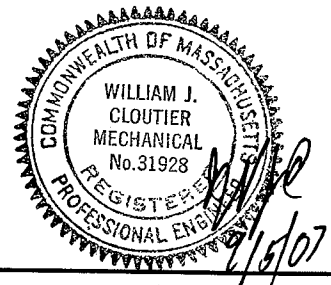
DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'



**TURNING DOLPHIN PILE PLAN**

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

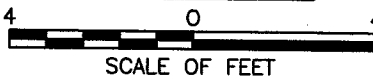


PURPOSE: CONSTRUCT AND MAINTAIN  
NEW FERRY TERMINAL FACILITIES  
INCLUDING CONCRETE DOLPHINS  
AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

**TURNING DOLPHIN**



SCALE OF FEET

APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
PIER, AND STEEL TRANSFER BRIDGE

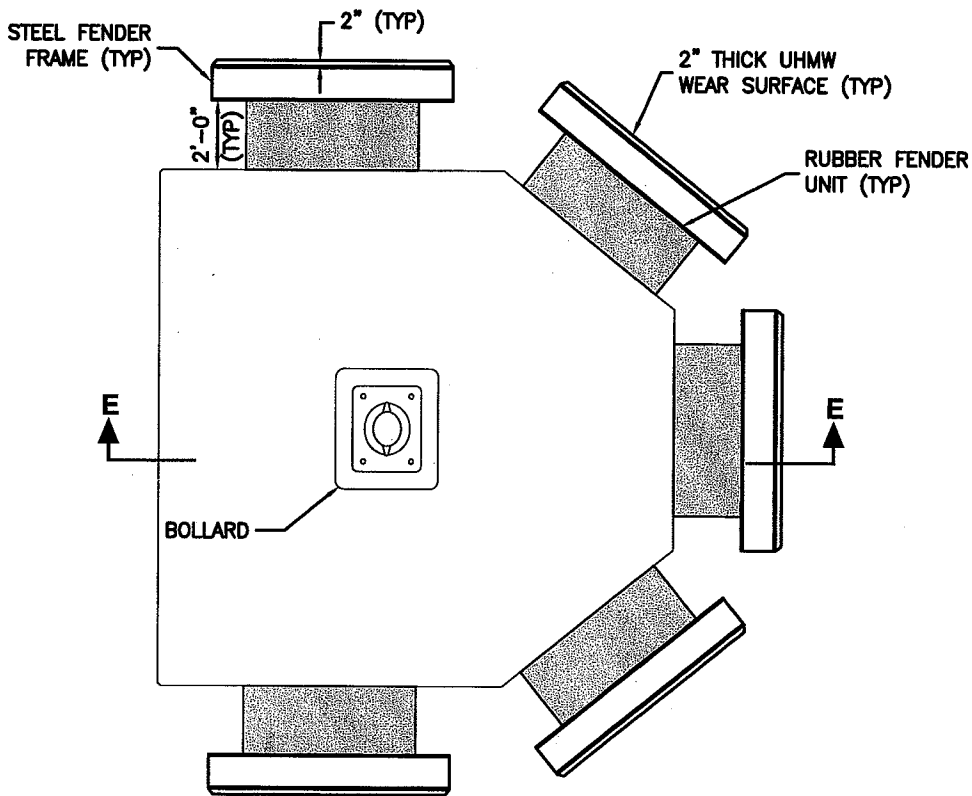
IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 13 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

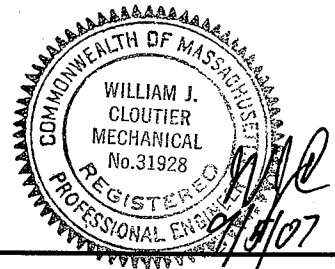
MHHW EL. 3.8'

MLLW EL. 0.0'



**TURNING DOLPHIN FENDER PLAN**

SCALE: 3/16"=1'-0"



PURPOSE: CONSTRUCT AND MAINTAIN  
NEW FERRY TERMINAL FACILITIES  
INCLUDING CONCRETE DOLPHINS  
AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

**DOLPHIN FENDER**



SCALE OF FEET

APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
PIER, AND STEEL TRANSFER BRIDGE

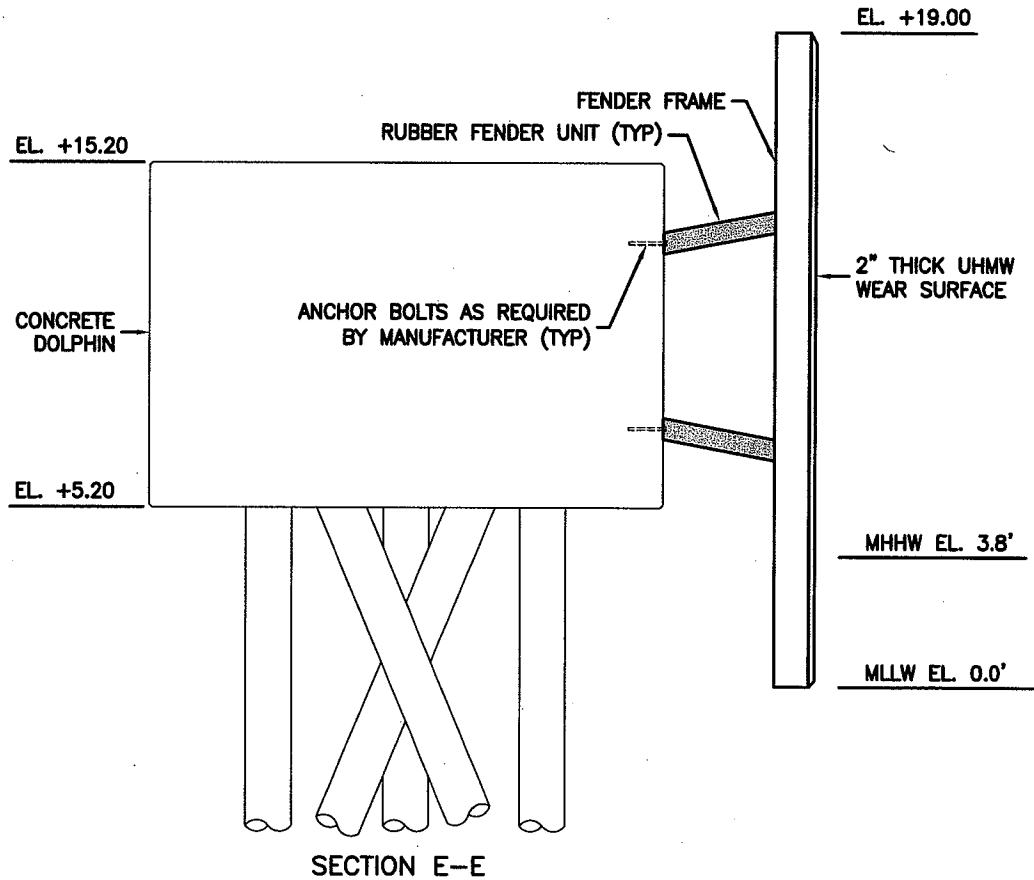
IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 14 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

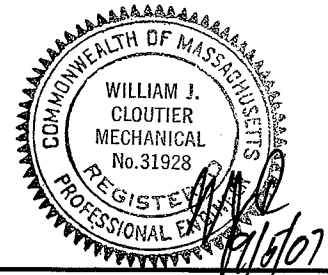
MHHW EL. 3.8'

MLLW EL. 0.0'



### TURNING DOLPHIN FENDER SECTION

SCALE: 3/16"=1'-0"



PURPOSE: CONSTRUCT AND MAINTAIN  
NEW FERRY TERMINAL FACILITIES  
INCLUDING CONCRETE DOLPHINS  
AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

### DOLPHIN FENDER



SCALE OF FEET

APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

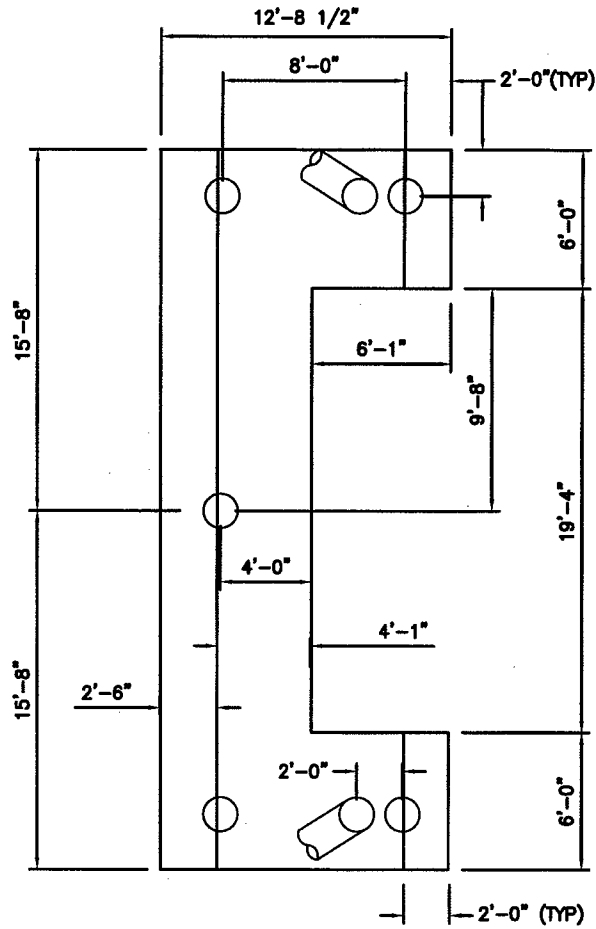
INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
PIER, AND STEEL TRANSFER BRIDGE

IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 15 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

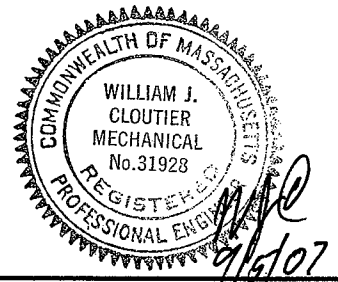
MHHW EL. 3.8'  
MLLW EL. 0.0'



PLAN

### TRANSFER BRIDGE ABUTMENT

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

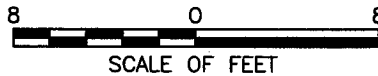


PURPOSE: CONSTRUCT AND MAINTAIN  
NEW FERRY TERMINAL FACILITIES  
INCLUDING CONCRETE DOLPHINS  
AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

### BRIDGE FOUNDATION



SCALE OF FEET

APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
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MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
PIER, AND STEEL TRANSFER BRIDGE

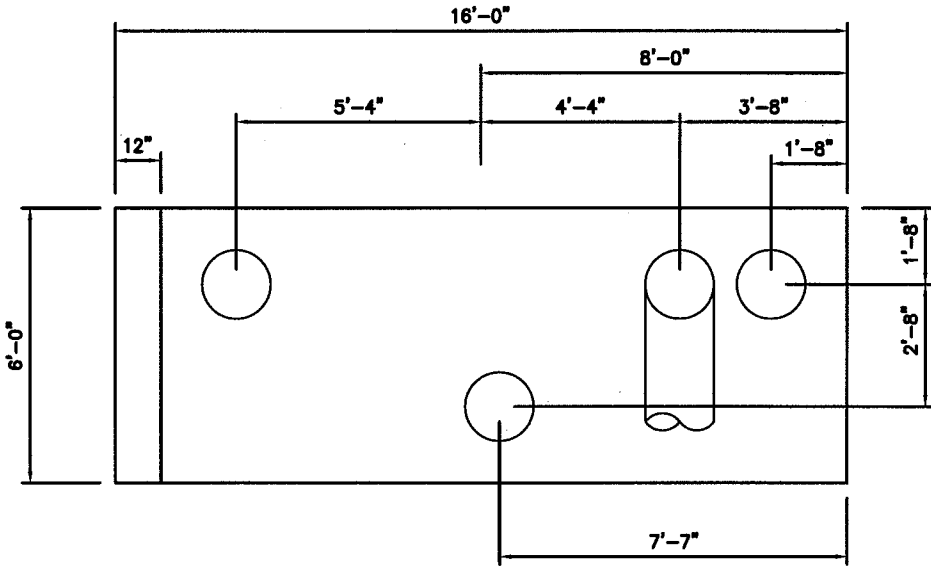
IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 16 OF 21 DATE: 7/26/07

DATUM: MLLW = 0.0'

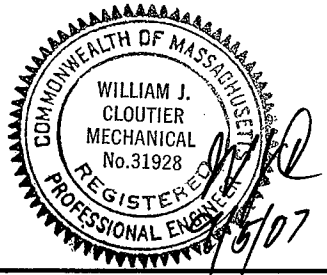
MHHW EL. 3.8'

MLLW EL. 0.0'



**TRANSFER BRIDGE CAP PLAN**

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

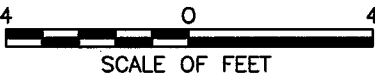


PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

**BRIDGE FOUNDATION**

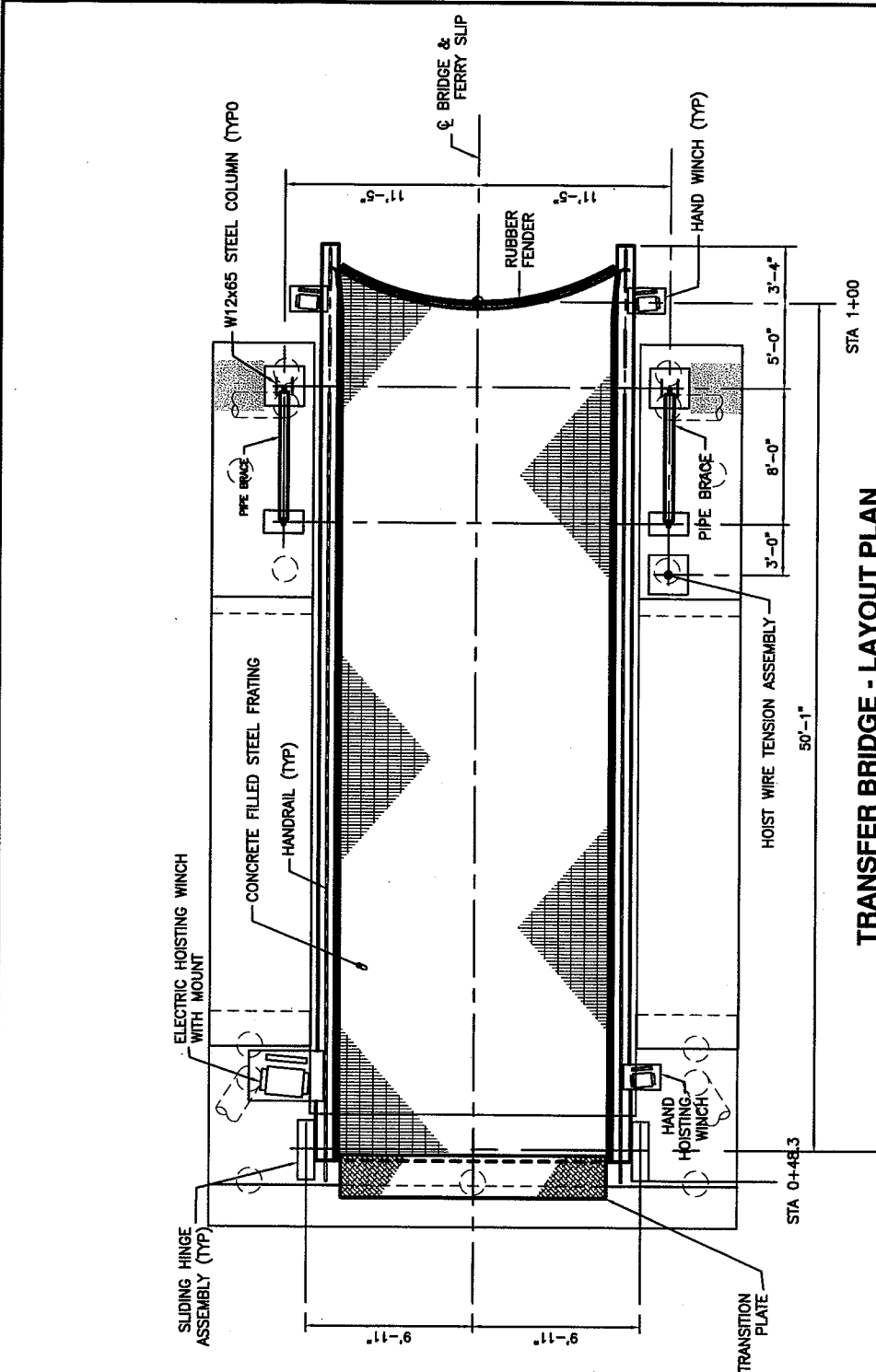


APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE SUPPORTED CONCRETE DOLPHINS, TIMBER PIER, AND STEEL TRANSFER BRIDGE

IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 17 OF 21 DATE: 7/26/07



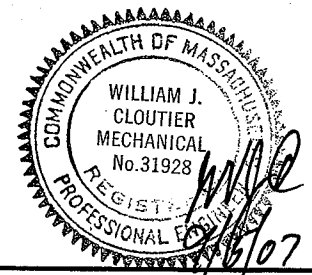
DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'

NOTE:  
SHEAVE SUPPORT STRUCTURE AND  
CATWALK NOT SHOWN FOR CLARITY

**TRANSFER BRIDGE - LAYOUT PLAN**

SCALE: 1"=10'-0"

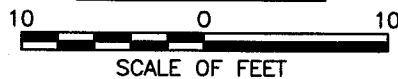


PURPOSE: CONSTRUCT AND MAINTAIN  
NEW FERRY TERMINAL FACILITIES  
INCLUDING CONCRETE DOLPHINS  
AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

**TRANSFER BRIDGE**

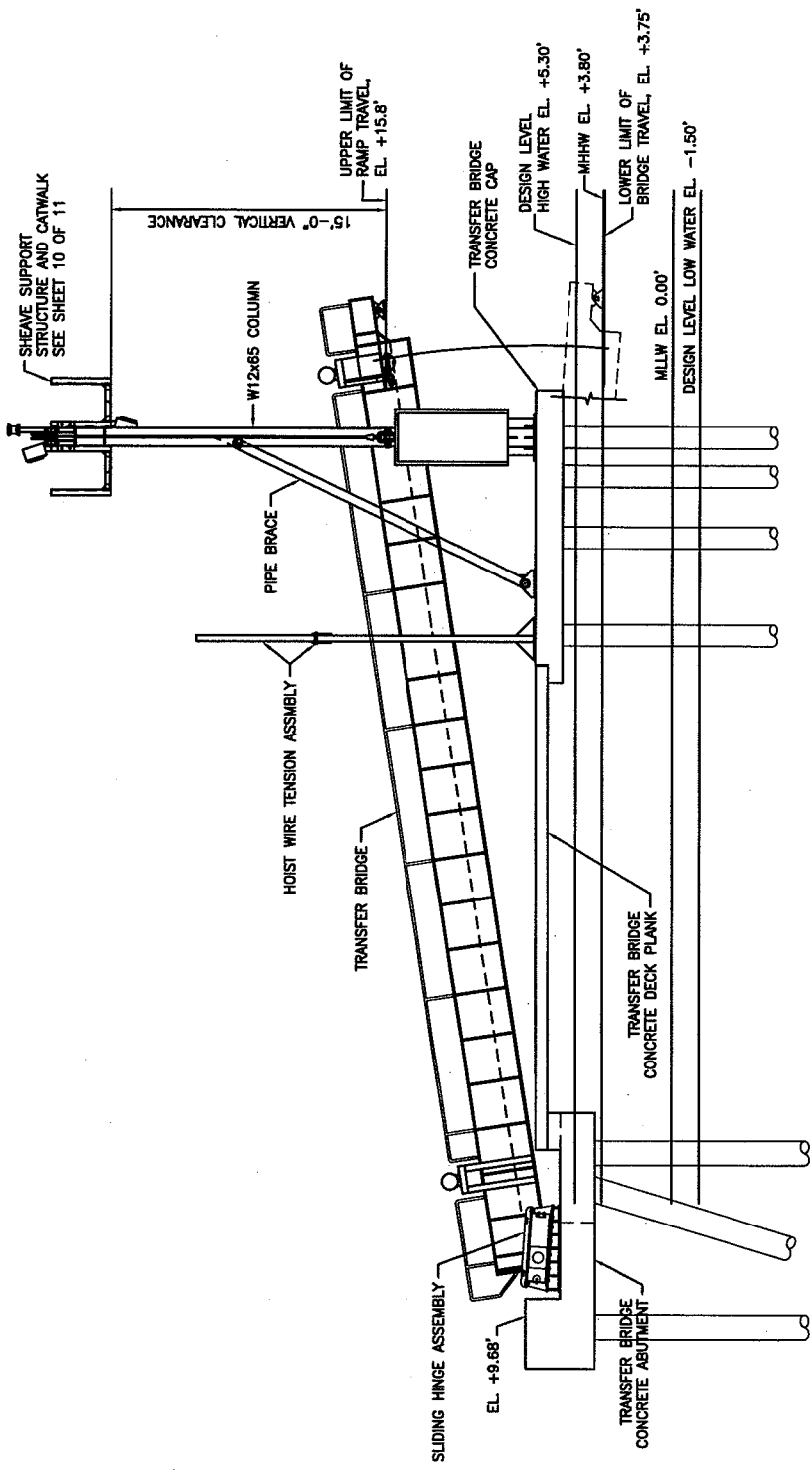


APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE  
SUPPORTED CONCRETE DOLPHINS, TIMBER  
PIER, AND STEEL TRANSFER BRIDGE

IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 18 OF 21 DATE: 7/26/07

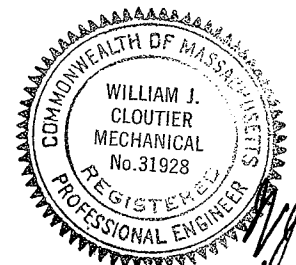


DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'

**TRANSFER BRIDGE - SIDE ELEVATION**

SCALE: 1"=10'-0"



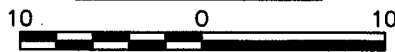
*WJC*  
9/5/07

PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

**TRANSFER BRIDGE**



SCALE OF FEET

APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

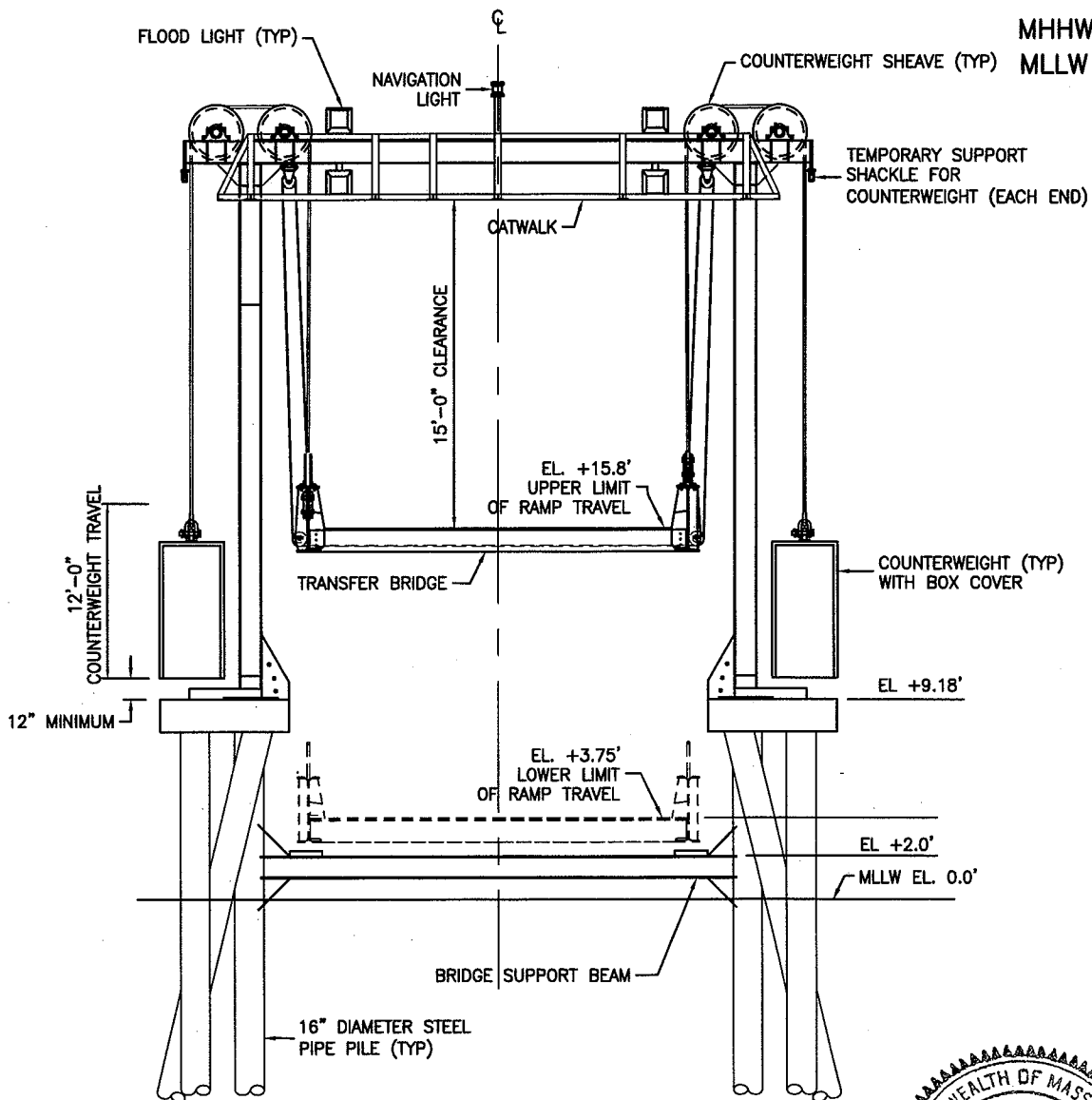
INSTALLATION OF NEW STEEL PILE SUPPORTED CONCRETE DOLPHINS, TIMBER PIER, AND STEEL TRANSFER BRIDGE

IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 19 OF 21 DATE: 7/26/07

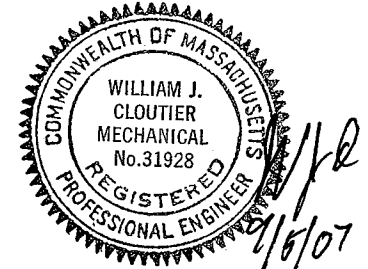
DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'



**TRANSFER BRIDGE - FRONT ELEVATION**

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

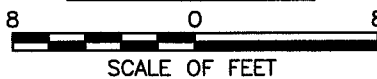


PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
BOX 333 MEDFIELD, MA. 02052

**TRANSFER BRIDGE**



SCALE OF FEET

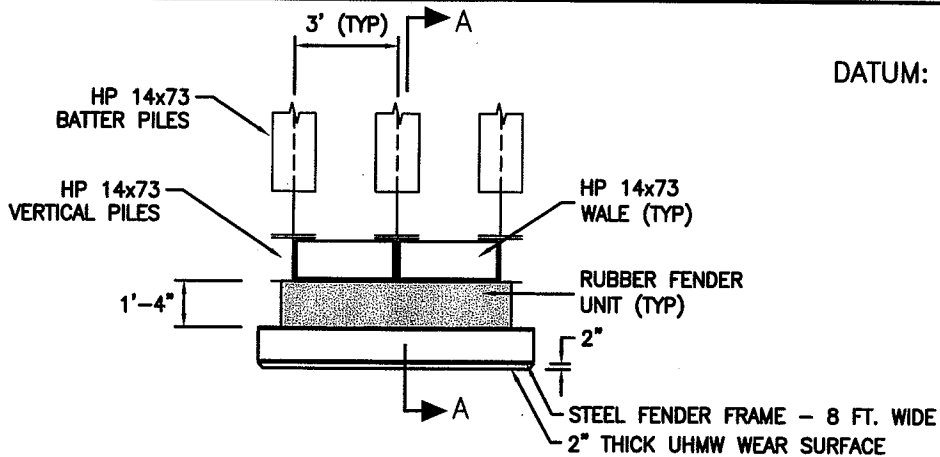
APPLICATION BY:  
THE STEAMSHIP AUTHORITY  
509 FALMOUTH ROAD, SUITE 1C  
MASHPEE, MA 02649

INSTALLATION OF NEW STEEL PILE SUPPORTED CONCRETE DOLPHINS, TIMBER PIER, AND STEEL TRANSFER BRIDGE

IN: HYANNIS  
AT: HYANNIS INNER HARBOR  
COUNTY: BARNSTABLE STATE: MA

SHEET 20 OF 21 DATE: 7/26/07

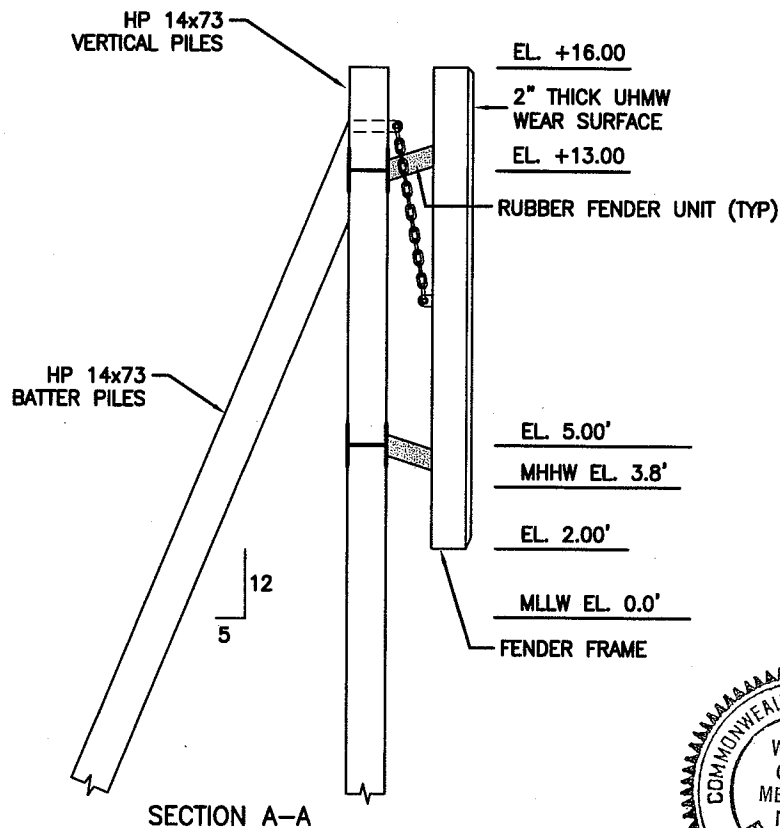




DATUM: MLLW = 0.0'

MHHW EL. 3.8'  
MLLW EL. 0.0'

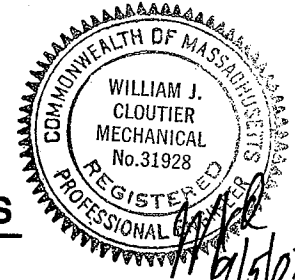
**FENDER SYSTEM PLAN**



SECTION A-A

**FAST FERRY DOLPHIN FENDERS #5, 6 & 7 DETAILS**

SCALE: 3/16" = 1'-0"

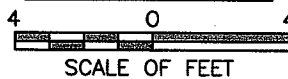


PURPOSE: CONSTRUCT AND MAINTAIN NEW FERRY TERMINAL FACILITIES INCLUDING CONCRETE DOLPHINS AND TRANSFER BRIDGE

DATUM: MLLW = 0.0'

CHILDS ENGINEERING CORPORATION  
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**FAST FERRY DOLPHIN**



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IN: HYANNIS  
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COUNTY: BARNSTABLE STATE: MA

SHEET 21 OF 21 DATE: 8/28/07