

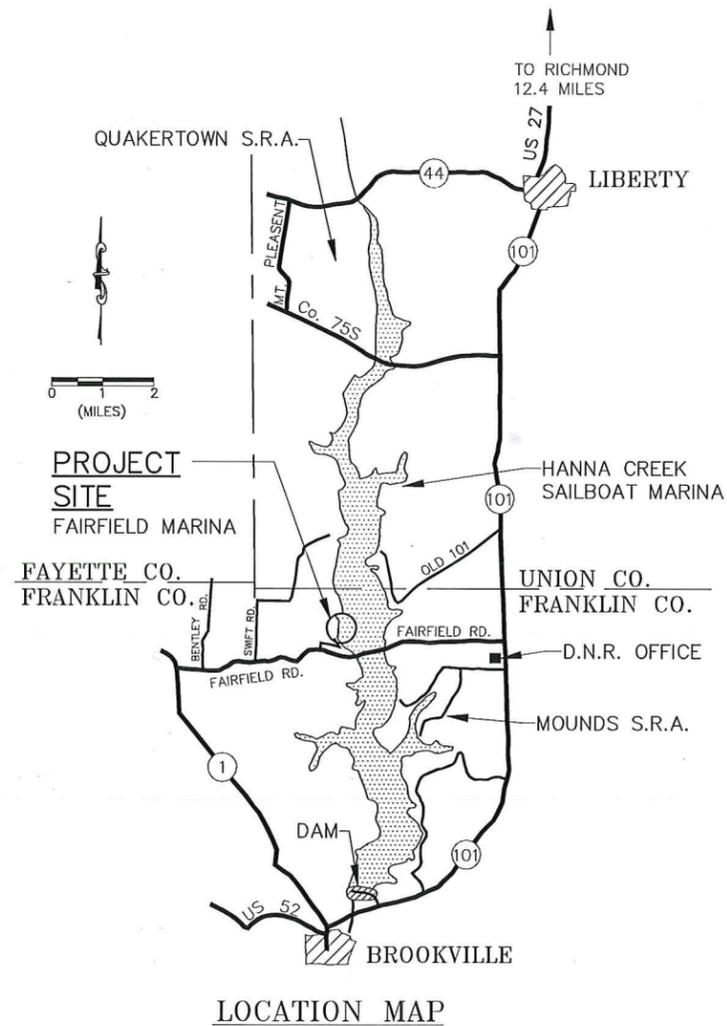
STATE OF INDIANA

DEPARTMENT OF NATURAL RESOURCES

FLOATING BOAT DOCK

BROOKVILLE LAKE FAIRFIELD MARINA

BROOKVILLE, INDIANA
FRANKLIN COUNTY
PROJECT NO. E030300



PROJECT LOCATION

INDEX

SHEET No.	DESCRIPTION
1.	TITLE SHEET
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3.	S-2 ALTERNATE BID BOAT DOCK
4.	S-3 DETAILS
5.	E-1 ELECTRIC PLANS BOAT DOCK
6.	P-1 PLUMBING PLANS BOAT DOCK
7.	P-2 PLUMBING DETAILS

Certified by:

FLOATING BOAT DOCK
BROOKVILLE LAKE FAIRFIELD MARINA
DEPT. OF NATURAL RESOURCES
14108 ST. RD. 101
BROOKVILLE, IN 47012-9791



STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ROOM W239, INDIANA GOVERNMENT CENTER SOUTH
400 WEST WASHINGTON STREET
INDIANAPOLIS, IN 46204
TEL. 317-232-4150, FAX 317-232-4205

Revisions:

Project Number: E030300

Requisition Number: Requisition#

Designer: Drawing Date: 1/20/16

Drafter: Drawing Scale: NO SCALE

DNR Approval:

Client Approval:

File Number: 305-57

Drawing Number:

TS-1

1 of 7

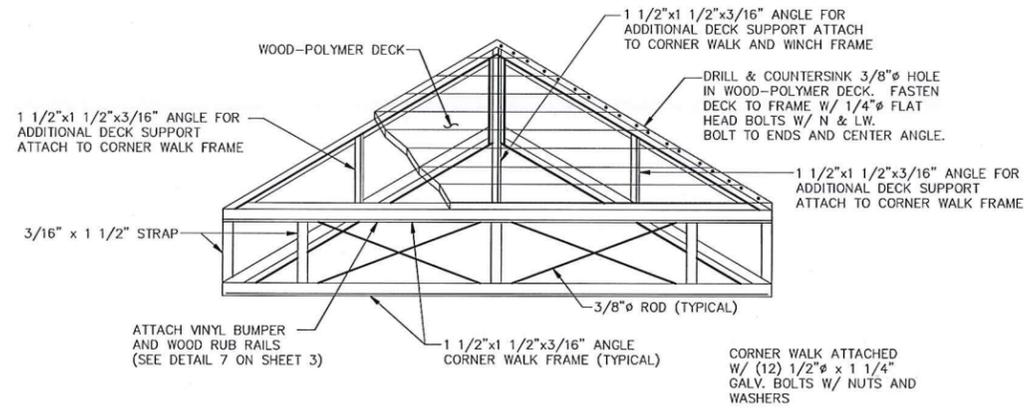
J:\2016\160300\PROJECTS\ENGINEERING\Brookville Lake Boat Dock\Fairfield Marina\Brookville Lake Fairfield Marina.dwg

BASE BID

GENERAL NOTES

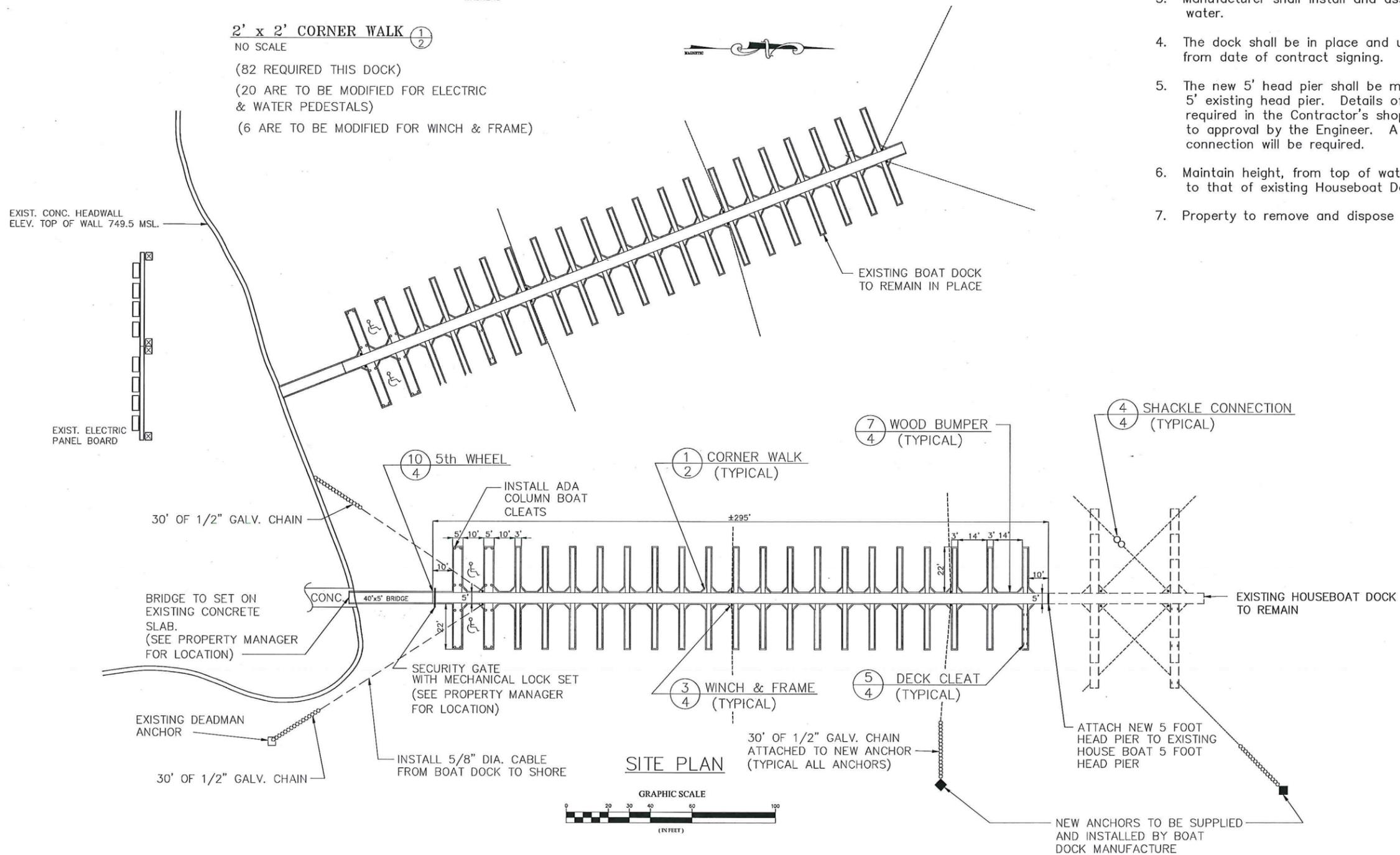
- Water depth and fluctuations

Normal summer pool elev.	748 ft. M.S.L.
Winter pool elev.	740 ft. M.S.L.
Flood control pool elev.	775 ft. M.S.L.
Minimum pool elev.	713 ft. M.S.L.
Summer pool fluctuation	2 ft. M.S.L.
- The Contractor shall notify the Property Manager at least 2 weeks before installing the boat dock unit in its final location. This will allow the property time to move the existing boat dock and moored boats to a different location.
- Manufacturer shall install and assemble dock in the water.
- The dock shall be in place and useable by 60 days from date of contract signing.
- The new 5' head pier shall be mechanically fastened to the 5' existing head pier. Details of this connection shall be required in the Contractor's shop drawings, and subject to approval by the Engineer. A cover plate for this connection will be required.
- Maintain height, from top of water, of new Dock to that of existing Houseboat Dock as near as possible.
- Property to remove and dispose of existing boat dock.



2' x 2' CORNER WALK ①

NO SCALE
 (82 REQUIRED THIS DOCK)
 (20 ARE TO BE MODIFIED FOR ELECTRIC & WATER PEDESTALS)
 (6 ARE TO BE MODIFIED FOR WINCH & FRAME)



Certified by:

SITEPLAN & DETAILS

BROOKVILLE LAKE FAIRFIELD MARINA
 FLOATING BOAT DOCK
 DEPT. OF NATURAL RESOURCES
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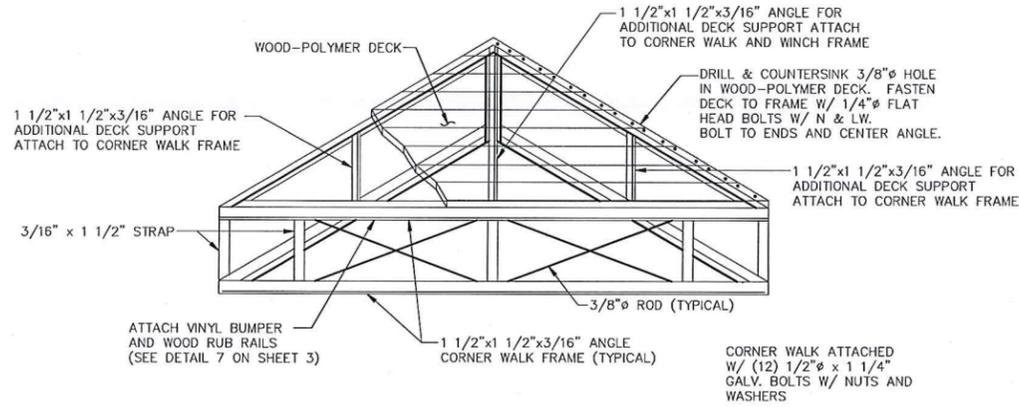


Project Number:	Project# E030300
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Client Approval:	
File Number:	305-57
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ALTERNATE No. 1

GENERAL NOTES

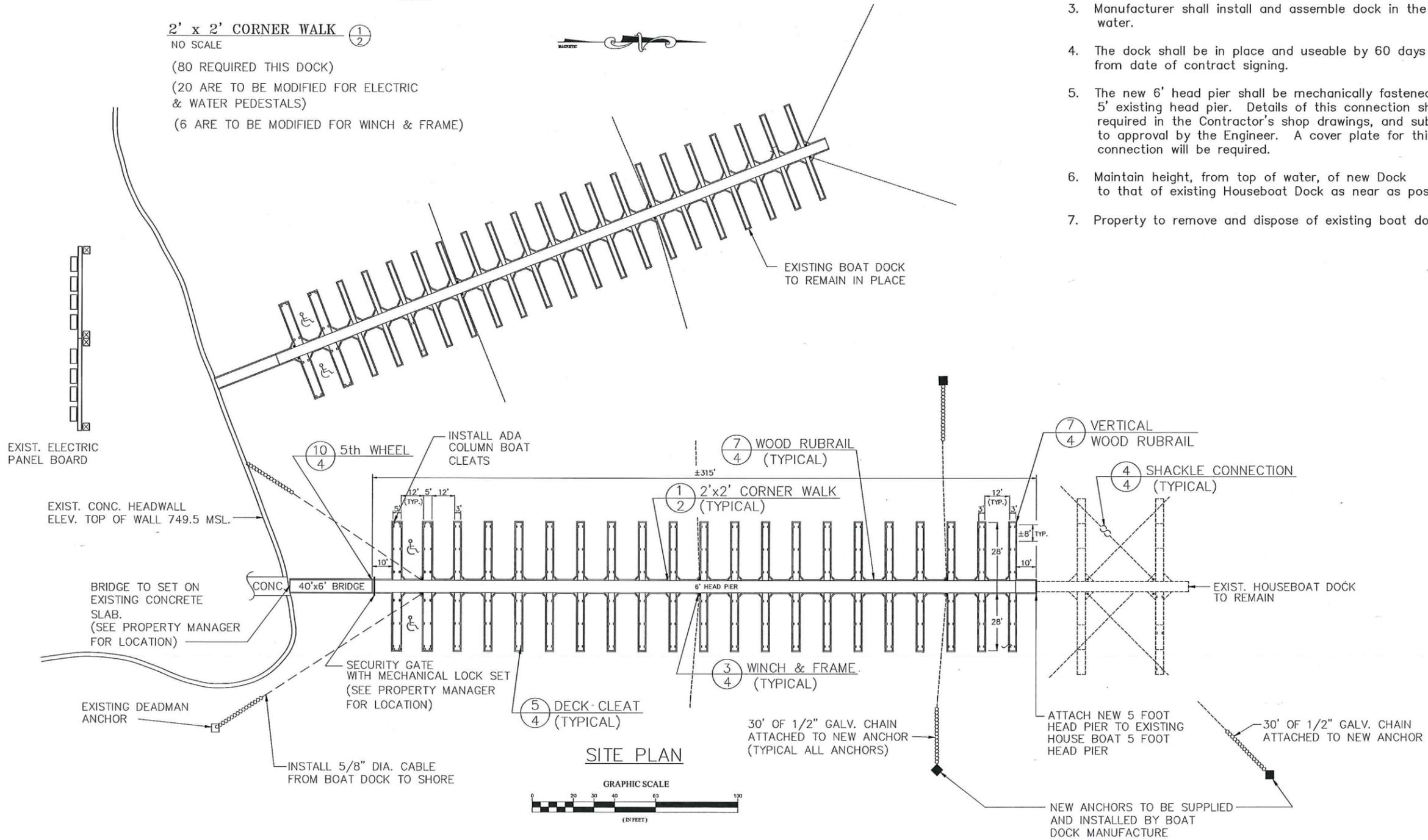
- Water depth and fluctuations
 Normal summer pool elev. 748 ft. M.S.L.
 Winter pool elev. 740 ft. M.S.L.
 Flood control pool elev. 775 ft. M.S.L.
 Minimum pool elev. 713 ft. M.S.L.
 Summer pool fluctuation 2 ft. M.S.L.
- The Contractor shall notify the Property Manager at least 2 weeks before installing the boat dock unit in its final location. This will allow the property time to move the existing boat dock and moored boats to a different location.
- Manufacturer shall install and assemble dock in the water.
- The dock shall be in place and useable by 60 days from date of contract signing.
- The new 6' head pier shall be mechanically fastened to the 5' existing head pier. Details of this connection shall be required in the Contractor's shop drawings, and subject to approval by the Engineer. A cover plate for this connection will be required.
- Maintain height, from top of water, of new Dock to that of existing Houseboat Dock as near as possible.
- Property to remove and dispose of existing boat dock.



2' x 2' CORNER WALK ① ②

NO SCALE

- (80 REQUIRED THIS DOCK)
- (20 ARE TO BE MODIFIED FOR ELECTRIC & WATER PEDESTALS)
- (6 ARE TO BE MODIFIED FOR WINCH & FRAME)



Certified by:

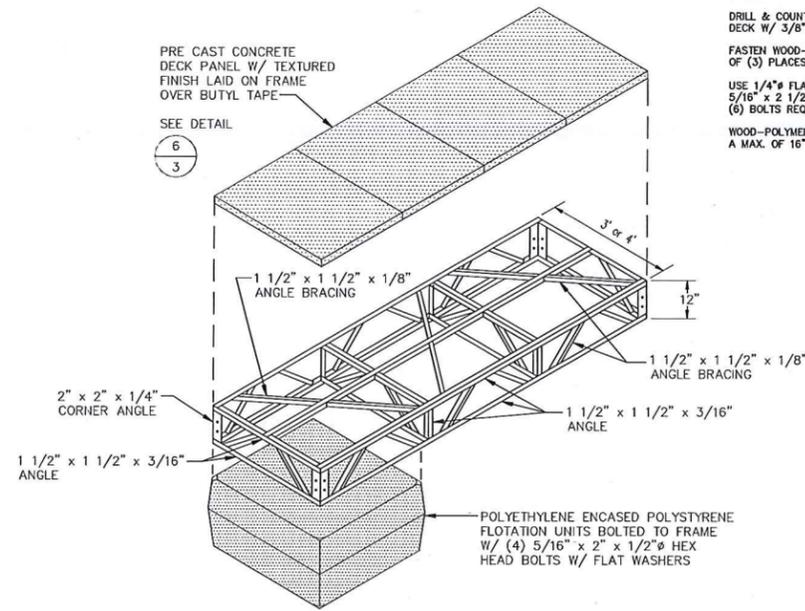
SITE PLAN & DETAILS

BROOKVILLE LAKE FAIRFIELD MARINA
 FLOATING BOAT DOCK
 DEPT. OF NATURAL RESOURCES
 14108 ST. RD. 101
 BROOKVILLE, IN. 47012-9791

STATE OF INDIANA
 DEPARTMENT OF NATURAL RESOURCES
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 TEL. 317-258-4150, FAX 317-258-1295

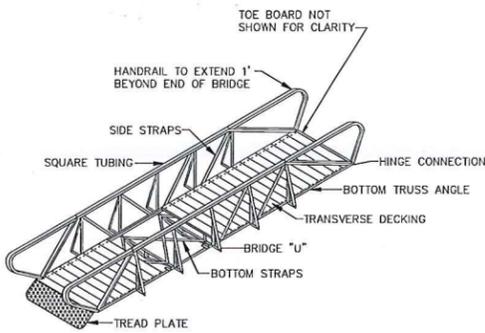
Revisions:

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 Designer: Drawing Date: 1/20/16
 Drafter: Drawing Scale: AS SHOWN
 DNR Approval:
 Client Approval:
 File Number: 305-57
 Drawing Number: S-2
 Sheet: 3 of 7

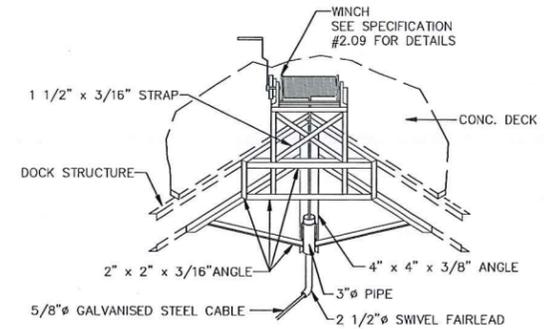
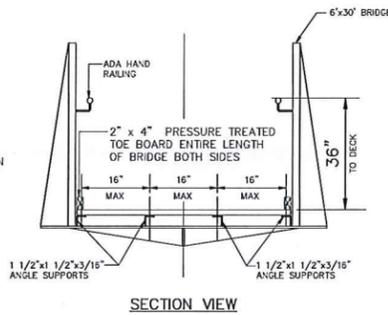


TYPICAL DOCK SECTION (1/4)

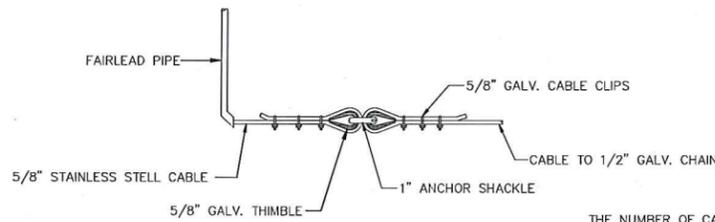
NOTE
 DRILL & COUNTERSINK WOOD-POLYMER DECK W/ 3/8" HOLE.
 FASTEN WOOD-POLYMER DECK A MIN. OF (3) PLACES.
 USE 1/4" FLAT HEAD BOLTS 5/16" x 2 1/2" SELF-TAPING TORX SCREWS (6) BOLTS REQ'D. PER BOARD
 WOOD-POLYMER DECKING TO BE SUPPORTED A MAX. OF 16" ON CENTER.



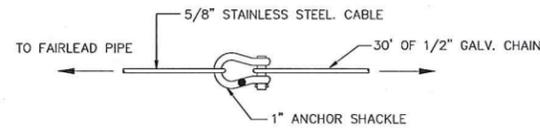
TYPICAL BRIDGE (2/4)



WINCH & FRAME (3/4)

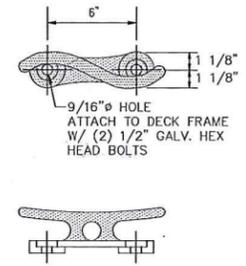


SIDE VIEW

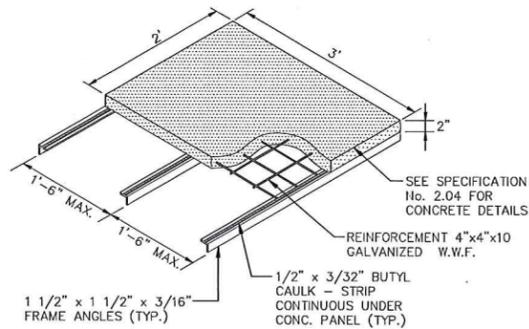


TOP VIEW

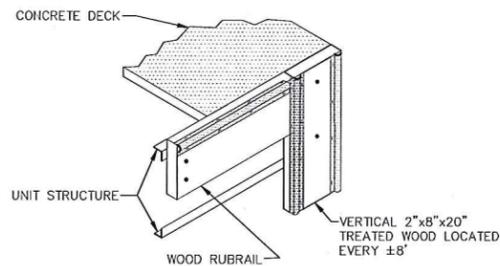
SHACKLE CONNECTION (4/4)
 NO SCALE



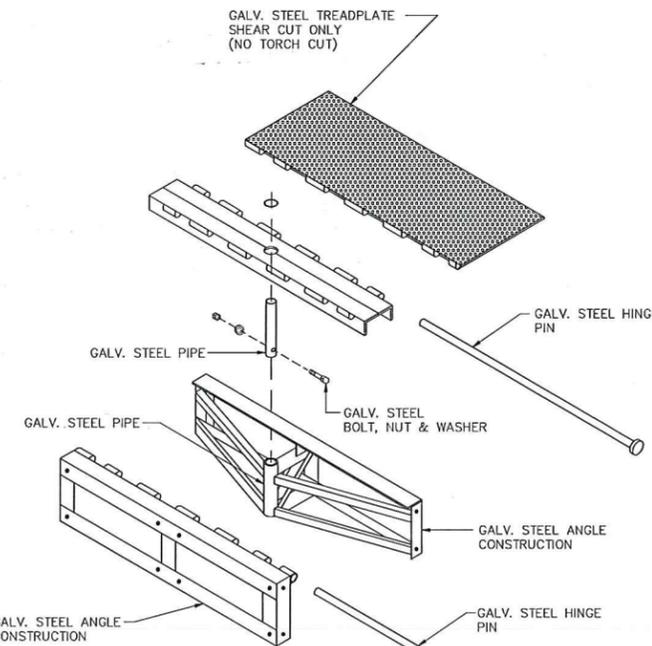
10" GALVANIZED DECK CLEAT (5/4)



CONCRETE DECK PANEL (6/4)

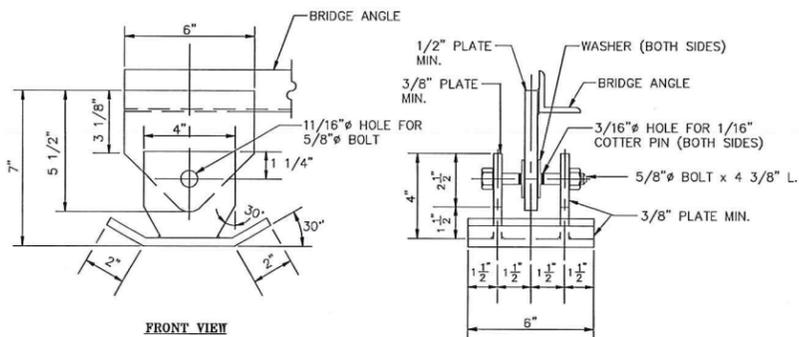


VERTICAL WOOD RUBRAIL W/ TWO VINYL BUMPERS (7/4)



TOP VIEW

5th WHEEL (10/4)

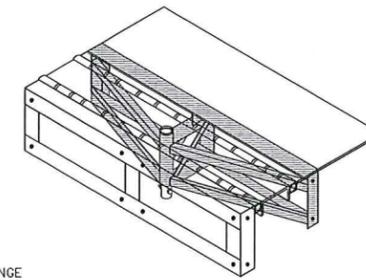


FRONT VIEW

END VIEW

SKID ASSEMBLY (8/4)

UNIT TO UNIT CONNECTION (9/4)
 (DECK NOT SHOWN FOR CLARITY)



ASSEMBLY

DESIGN CONCEPT ONLY

GENERAL

These details are standard details typical of the line of docks as manufactured by companies already engaged in the manufacture and fabrication of boat docks. These details represent design concepts deemed desirable by the Indiana Department of Natural Resources and design concepts acceptable to the Division of Engineering. The specific sizes and arrangement of structural members and framing systems shown may vary with different manufacturers. The structural suitability of these details or any detail from any Supplier is the express responsibility of the Supplier and shall be proven in accordance with the specifications.

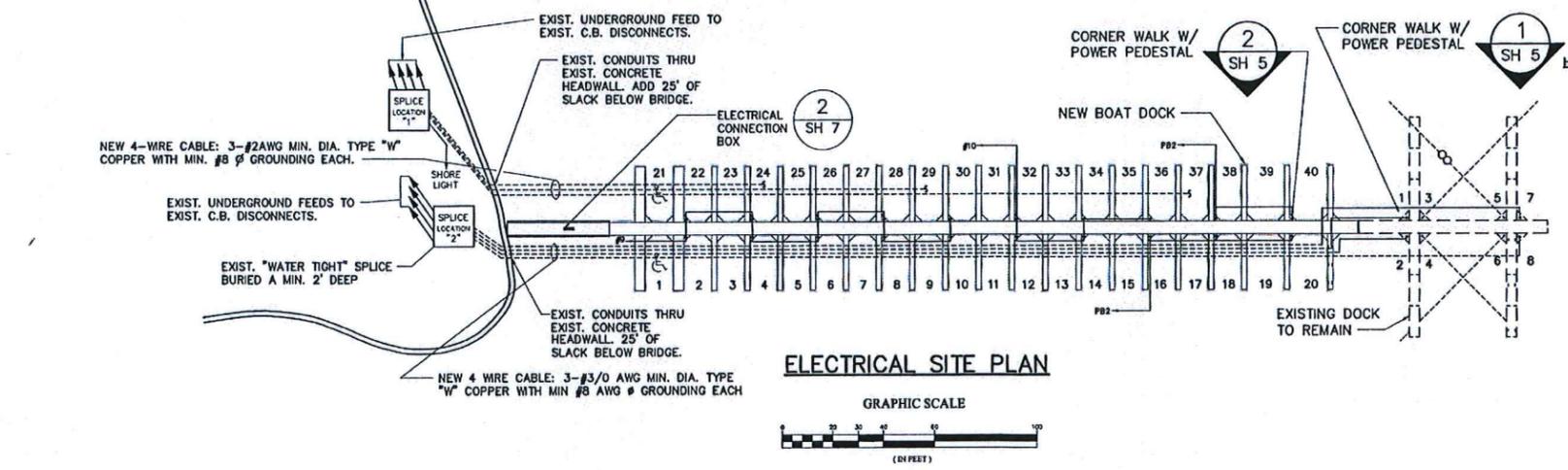
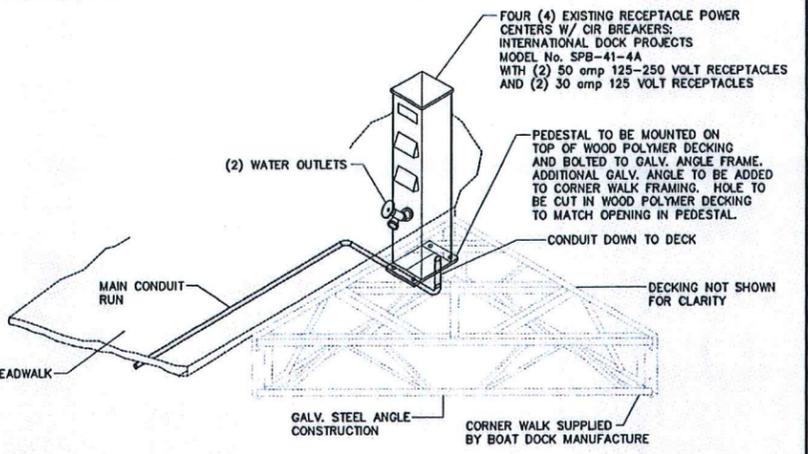
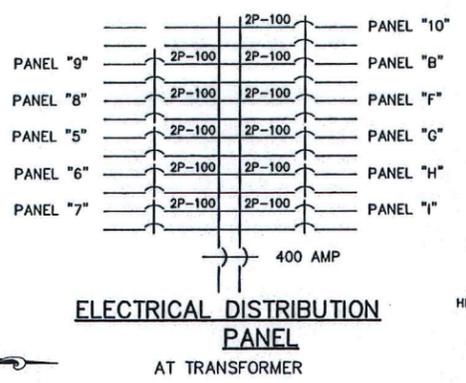
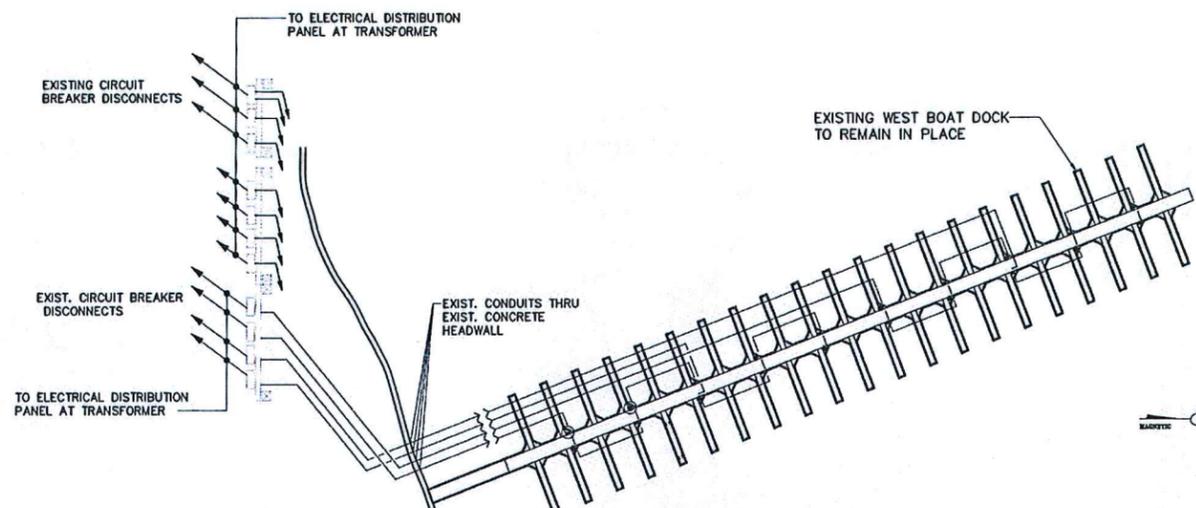
Certified by:

BROOKVILLE LAKE FAIRFIELD MARINA
FLOATING BOAT DOCK
 DEPT. OF NATURAL RESOURCES
 14108 ST. RD. 101
 BROOKVILLE, IN. 47012-9791

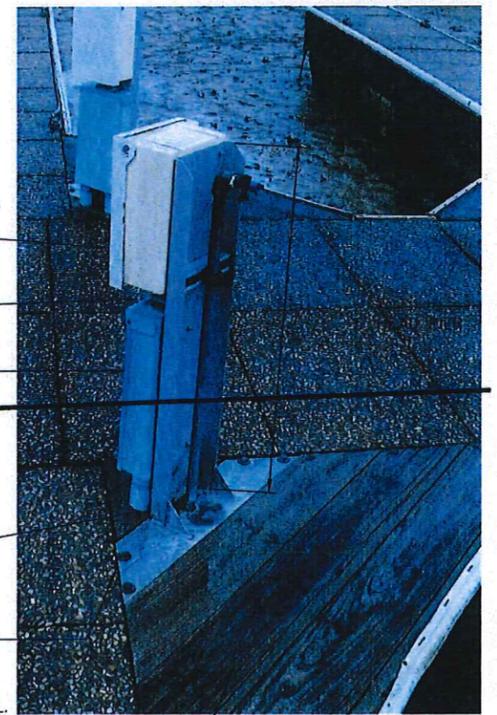
STATE OF INDIANA
 DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
 ROOM 929, INDIANA GOVERNMENT CENTER SOUTH
 402 WEST WASHINGTON STREET
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 TEL. 317-232-4150, FAX. 317-233-1595

Revisions:

Project Number:	Project#
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Designer:	Drawing Date: 1/20/16
Drawer:	Drawing Scale: AS NOTED
DNR Approval:	
Client Approval:	
File Number:	305-57
Drawing Number:	S-3
Sheet:	4 of 7



- HYPower**
- HYPower "ENERGY MATE" POWER PEDESTAL WITH:**
1. NON-CONDUCTIVE POLYCARBONATE INJECTION MOLDED BODY WITH UV PROTECTION.
 2. PREWIRED WITH STANDARD COPPER WIRE TO 200 AMPERE WITH PROVIDED NON-METALLIC SEPARATION OF HIGH-VOLTAGE AND LOW-VOLTAGE.
 3. FIELD WIRING TERMINALS TO 2 AWG WIRE.
 4. LOCKABLE HINGED DOOR WITH PADLOCK.
 5. PHOTO-CELL ACTIVATED LIGHTING WITH A 5W LED BULB AND WITH A CLEAR LENS.
 6. (2) RECEPTACLES AND BREAKERS TO BE 20A TWISTLOCK MARINE/RV WITH MATCHING GFCI BREAKERS.
 7. UL CERTIFIED, ADA COMPLIANT, AND MEETS OR EXCEEDS ALL NEC AND NFPA REQUIREMENTS.



EXISTING HOUSE BOAT DOCK OUTLET DETAIL

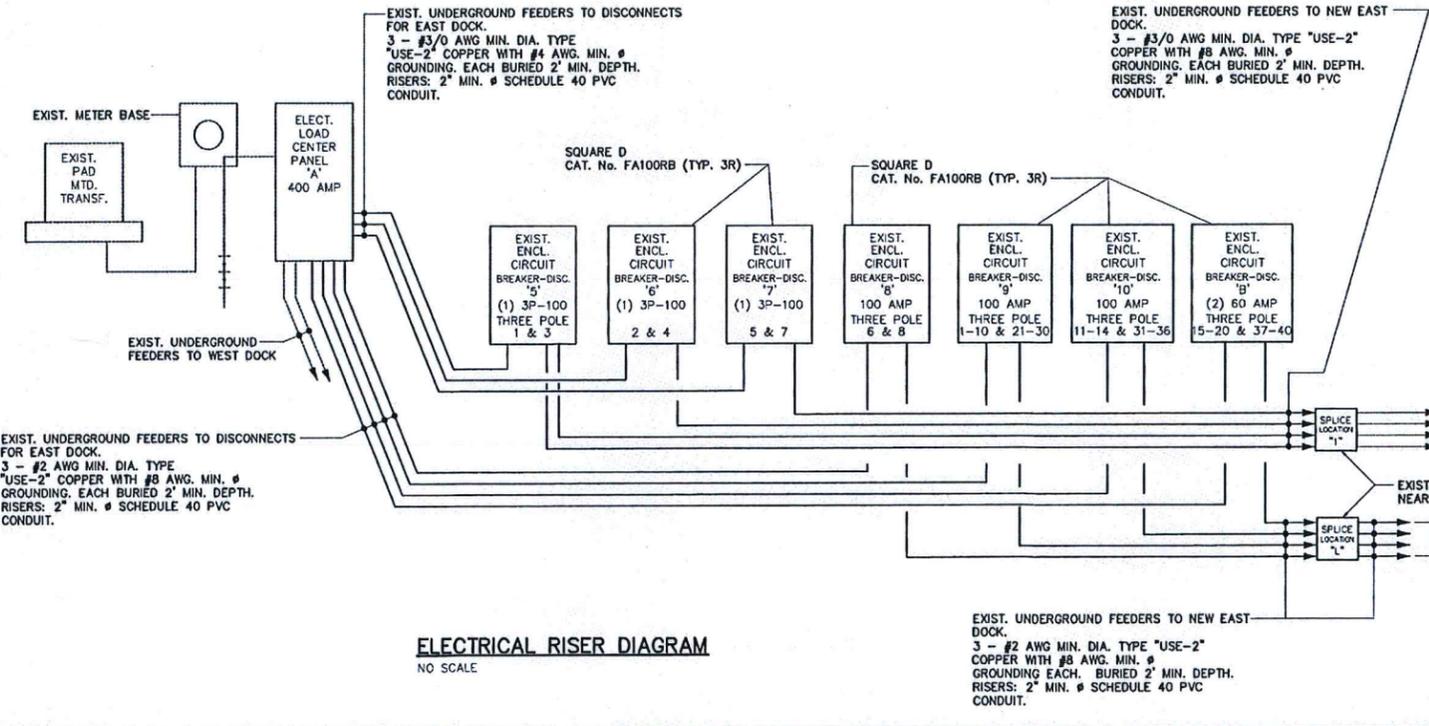
NO SCALE

1 SH 5

NEW BOAT DOCK OUTLET DETAIL

NO SCALE

2 SH 5



NOTE:

ALUMINUM PEDESTAL

FABRICATE PEDESTAL FROM 8"x3"x0.350" ALUMINUM CHANNEL AND ONTO NEW EAST DOCK TO EXIST. ALUMINUM POST TO BE 3'-0" HIGH FROM TOP OF ALUM. BASE. WELD POST TO BASE AND ADD 2"x2"x45" BRACE AS SHOWN IN PICTURE. BASE TO BE MADE FROM 5"x2"x0.187" ALUM. CHANNEL. BASE TOP TO BE FLUSH WITH WOOD-POLYMER DECK AND BOLTED TO 2"x2" CORNER WALK FRAME WITH (4) 1/2" ALUM. BOLTS, NUTS, AND WASHERS, SHOWN IN PICTURE.

(10) PEDESTALS TO HAVE PLAIN BACK.

(10) PEDESTALS TO HAVE BRACKET TO HOLD GALVANIZED WATER PIPE AS SHOWN IN PICTURE. SEE DETAIL 1 SHEET 7.

- SYMBOLS**
- RECEPTACLE POST, TWO (4) OUTLETS EA.
 - CONNECTION POINT OF CONDUIT.
 - ▭ NEW PANEL BOARD & PANEL / DISCONNECTS.
 - NEW CONDUIT UNDER DOCK TO PANEL BOARD.

"HOLEY MOLEY" SAYS CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU DIG. IT'S THE LAW

1-800-382-6644 CALL TOLL FREE

PROFESSIONAL ENGINEER
No. FE60012045
STATE OF INDIANA
Certified by: *Donald G. Peterson*

STATE PLAN & DETAILS

BROOKVILLE LAKE FAIRFIELD MARINA
FLOATING BOAT DOCK
DEPT. OF NATURAL RESOURCES
14108 ST. RD. 101
BROOKVILLE, IN. 47012-9791

STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ROOM 303A, INDIANA GOVERNMENT CENTER SOUTH
402 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA 46204
TEL. 317-232-4156, FAX 317-233-1295

Project Number: **Project# E030300**
Requisition Number: **Requisition#**
Designer: **1/20/16**
Drafter: **AS NOTED**
DNR Approval: **AS NOTED**
Client Approval: **AS NOTED**
File Number: **305-57**
Drawing Number: **E-1**
Sheet: **5 of 7**



Certified by:
Ronald G. Peterson

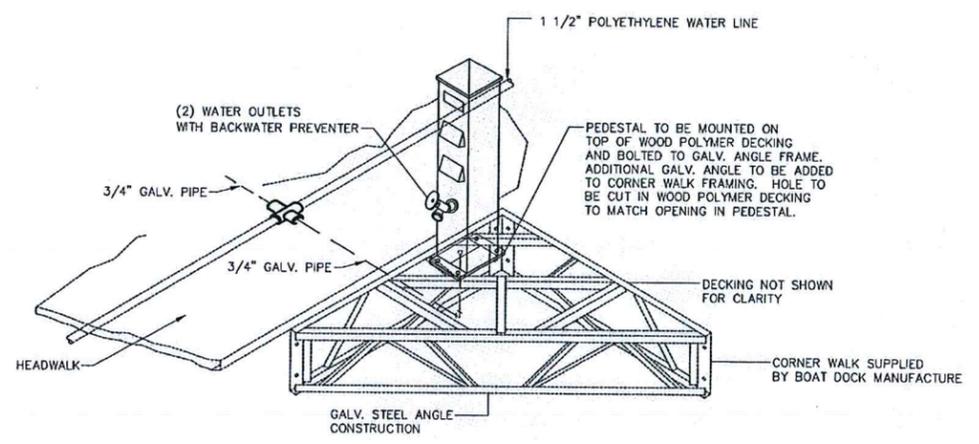
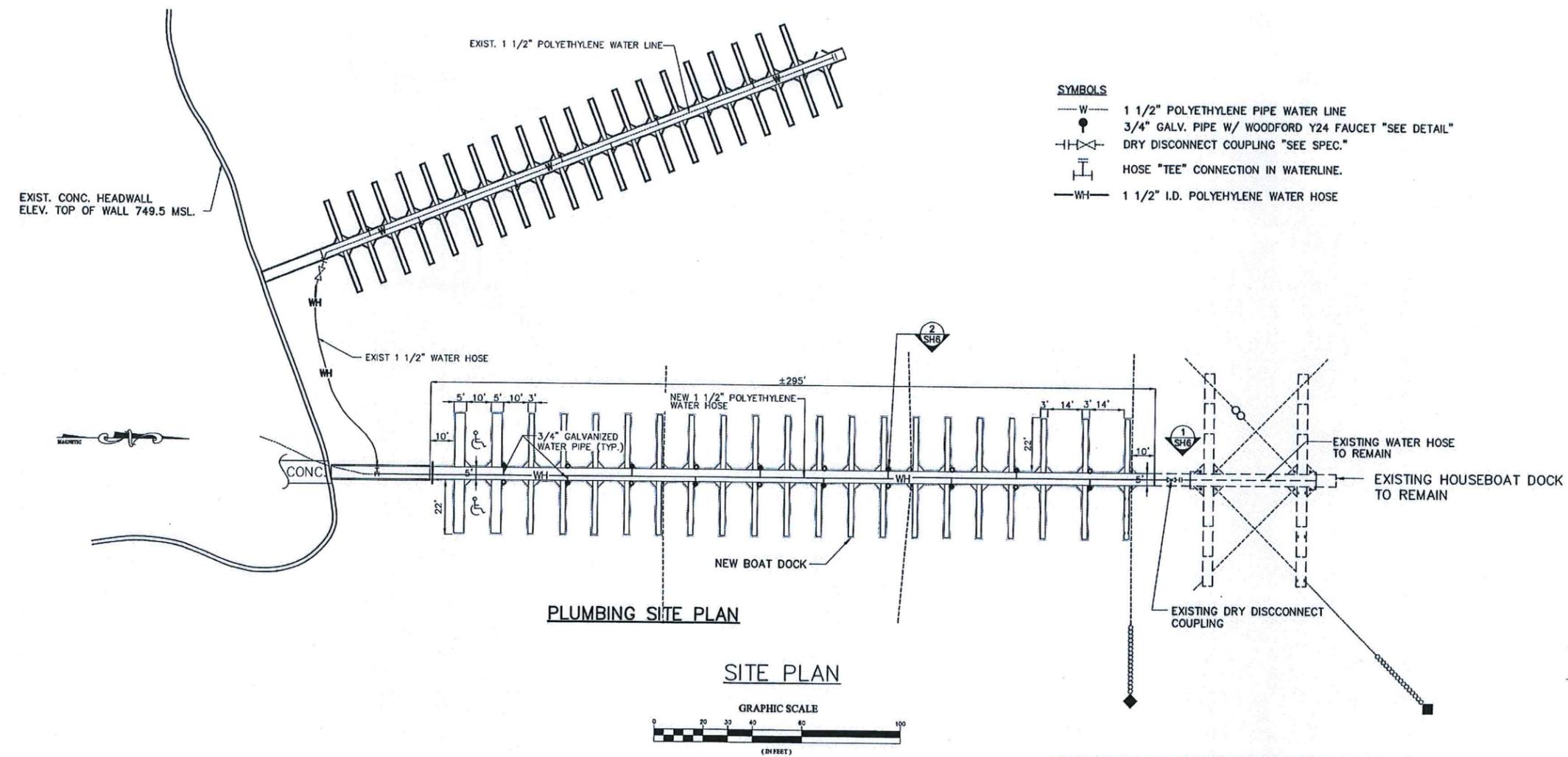
PLUMBING SITE PLAN
&
DETAILS

P-1
FLOATING BOAT DOCK
DEPT. OF NATURAL RESOURCES
14108 ST. RD. 101
BROOKVILLE, IN. 47012-9791



STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
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ROOM 3000 INDIANA GOVERNMENT CENTER SOUTH
400 WEST WASHINGTON STREET
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TEL 317-232-4150, FAX 317-232-1265

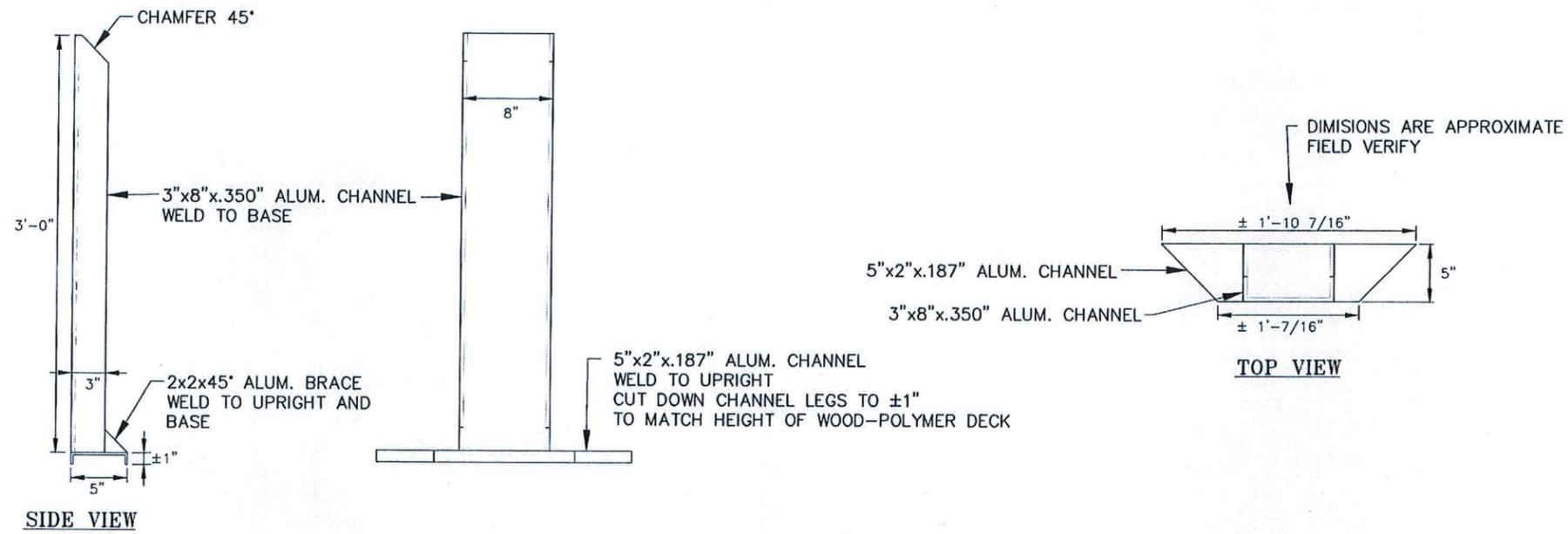
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Sheet:	6 of 7



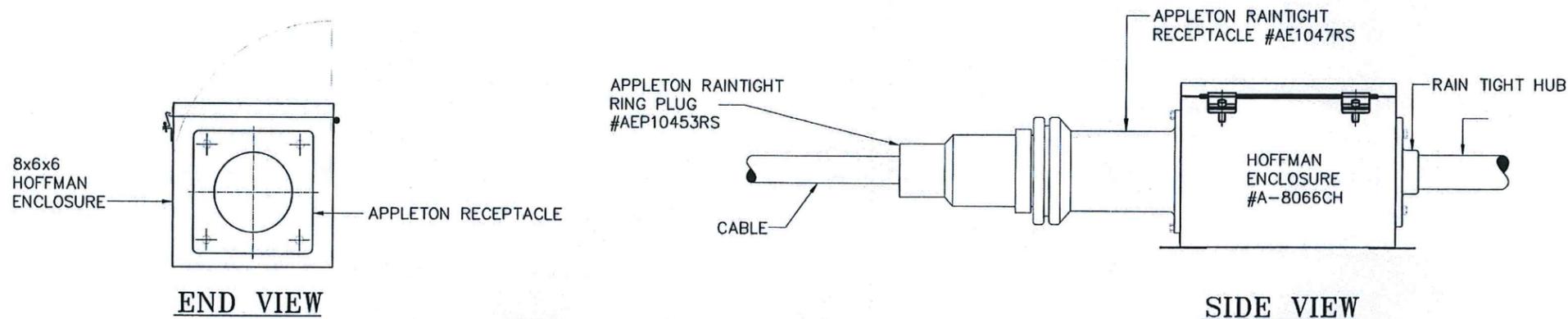
1 SH6



2 SH6



FRONT VIEW
ALUMINUM PEDESTAL DETAIL (1/SH 7)
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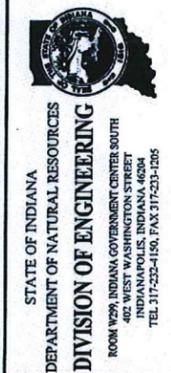


END VIEW
ELECTRICAL CONNECTION (2/SH 7)
 NO SCALE



DETAILS

BROOKVILLE LAKE FAIRFIELD MARINA
 FLOATING BOAT DOCK
 DEPT. OF NATURAL RESOURCES
 14108 ST. RD. 101
 BROOKVILLE, IN. 47012-9791



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Drawing Number: P-2	
Sheet: 7	of 7