

# FRENCH LANDING DOCK RENOVATION

12090 HAGGERTY RD. BELLEVILLE, MI 48111

FRENCH LANDING  
DOCK RENOVATION  
12090 HAGGERTY RD., BELLEVILLE, MI 48111

## DIRECTORY

**ARCHITECT**  
HOPPE DESIGN  
47032 McBRIDE  
BELLEVILLE, MI 48111  
734-218-2492

**APPLICANT AND OWNER**  
VAN BUREN TOWNSHIP

**SURVEYOR**  
ALPINE ENGINEERING  
46982 WEST ROAD, SUITE 109  
NOVI, MI 48377

## DRAWING INDEX

**CIVIL**  
DT TITLE SHEET  
SURVEY TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)

**STRUCTURAL**  
S001 STRUCTURAL NOTES

**ARCHITECTURAL**  
A101 PARTIAL SITE PLAN, ELEVATIONS AND DETAILS  
A102 PARTIAL SITE PLAN AND DETAILS  
A103 PARTIAL SITE PLAN AND DETAILS

**ELECTRICAL**  
E101 LIGHTING PLAN

HOPPE DESIGN, LLC  
47032 McBRIDE, BELLEVILLE, MI 48111  
734-218-2492

REVISIONS

PROJECT: 2216  
DATE: 10.30.22  
DRAWN: WCH  
CHECKED: WCH

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

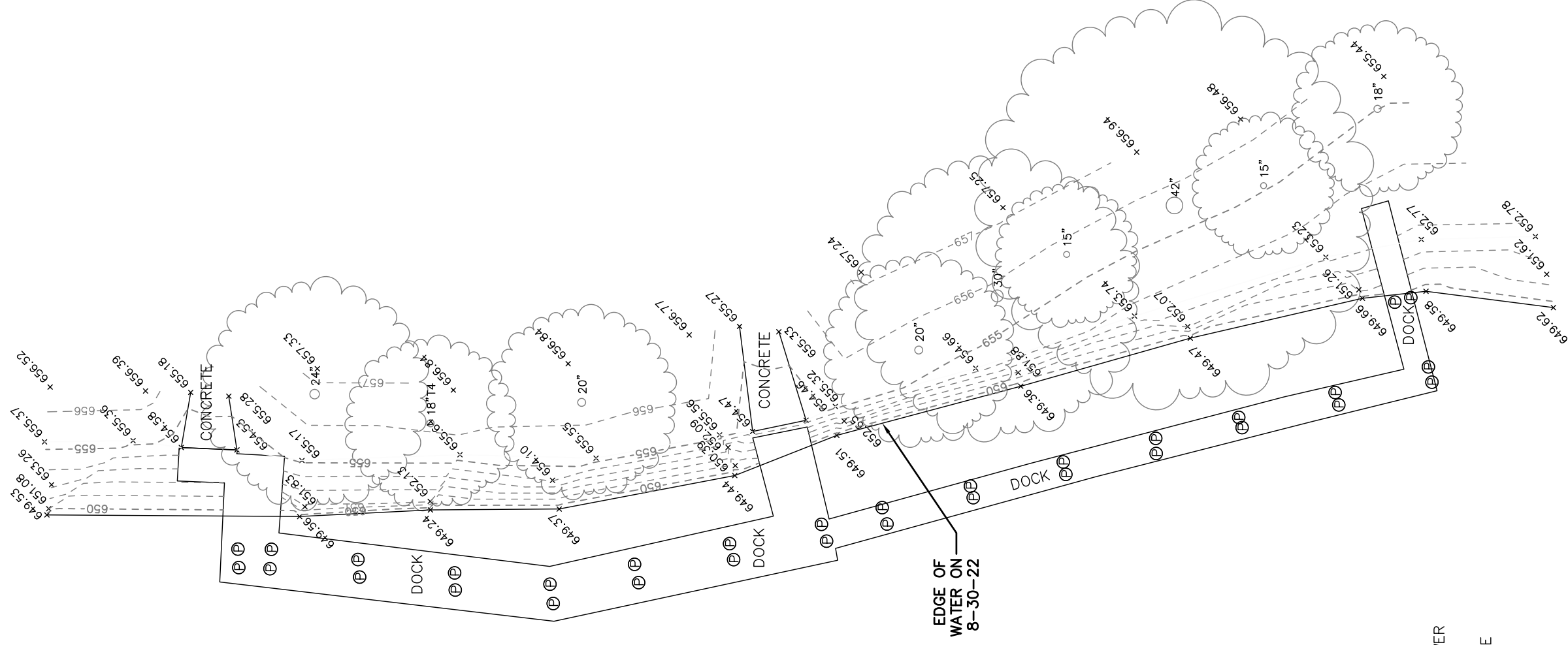
**TITLE SHEET**

COPYRIGHT ALL RIGHTS RESERVED BY WAYDE C. HOPPE, ARCHITECT  
NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION

**DT**



**BELLEVILLE LAKE**



**LEGEND**

- ☐ EX. CATCH BASIN
- EX. MANHOLE
- ◻ EX. END SECTION
- ⊗ EX. HYDRANT
- ⊛ EX. LIGHTPOLE
- ⊘ EX. UTILITY POLE
- ← EX. GUY ANCHOR
- ⊕ EX. POST/BOLLARD
- ⦿ FOUND IRON
- SET IRON
- ⊙ EX. TREE
- ⋮ EX. TREE LINE
- EX. FENCE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER MAIN
- EX. OVERHEAD LINE

REVISED

DATE:	9/1/2022
DRAWN BY:	TTP
CHECKED BY:	GLM
FBK:	
CHF:BAJ	
SCALE	HOR 1"= 20 FT. VER 1"= 20 FT.

CLIENT: **DAVENPORT BROTHERS CONSTRUCTION**  
**PARTIAL TOPOGRAPHIC SURVEY**  
 SECTION: 24 **12090 HAGGERTY ROAD** RANGE: 8E  
 VAN BUREN TOWNSHIP  
 WAYNE COUNTY  
 MICHIGAN

**RESIDENTIAL**

- SUBDIVISIONS
- SITE CONDOMINIUM
- MULTI-FAMILY
- PLOT PLANS
- CONSTRUCTION LAYOUT

**COMMERCIAL**

- SITE PLANNING
- SITE ENGINEERING
- INDUSTRIAL & MULTI-UNIT
- LAND SURVEYING
- CONSTRUCTION LAYOUT

46892 WEST ROAD  
 SUITE 109  
 NOVI, MICHIGAN 48377

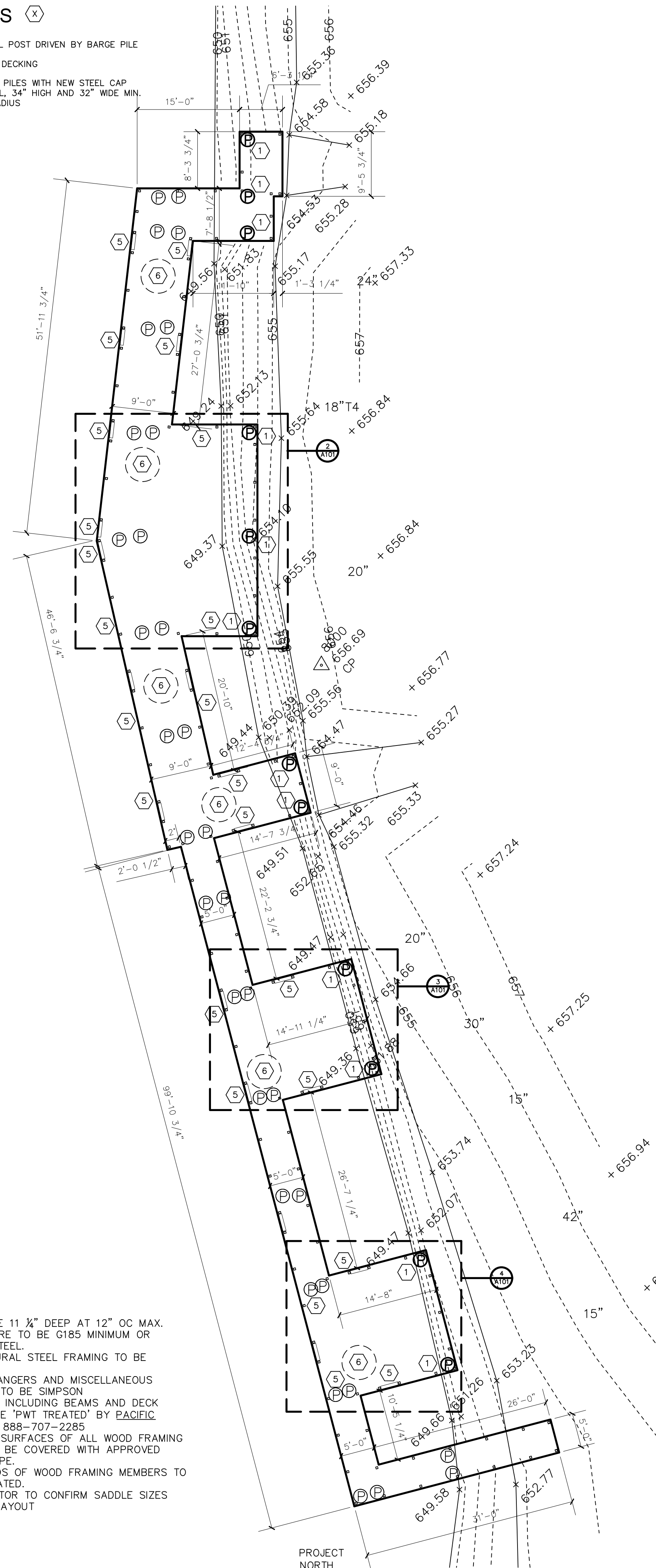
(248) 926-3701 (BUS)  
 (248) 926-3765 (FAX)  
 WWW.ALPIINE-INC.NET



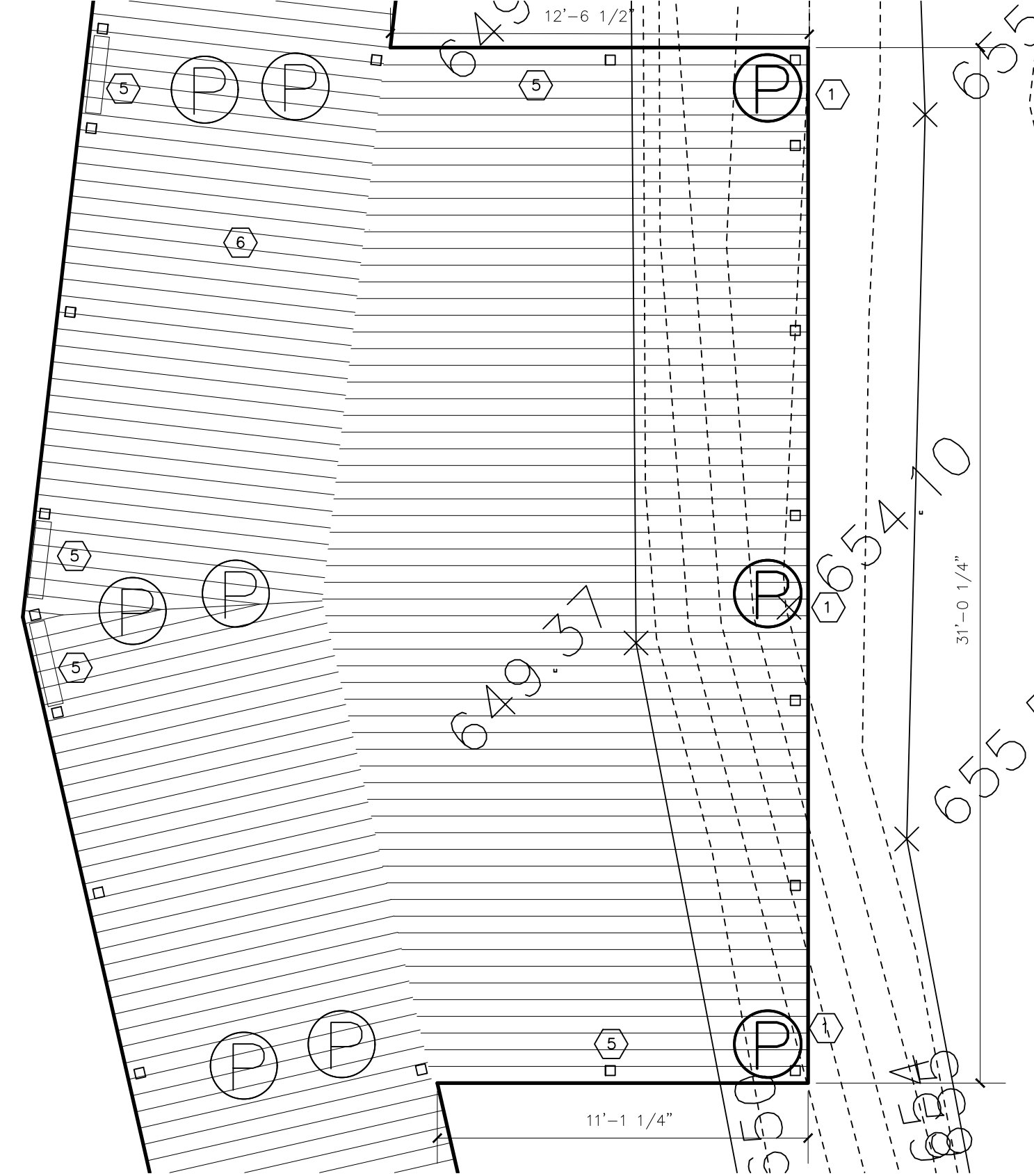
**KEYNOTES** (X)

1. NEW 6" DIA STL POST DRIVEN BY BARGE PILE DRIVER.
2. NEW 1X6 TREX DECKING
3. NEW PT LVL.
4. EXISTING WOOD PILES WITH NEW STEEL CAP
5. BF FISHING RAIL, 3/4" HIGH AND 32" WIDE MIN.
6. BF TURNING RADIUS

- NOTES**
1. JOISTS TO BE 11 1/2" DEEP AT 12" OC MAX.
  2. ALL HARDWARE TO BE G185 MINIMUM OR STAINLESS STEEL.
  3. ALL STRUCTURAL STEEL FRAMING TO BE GALVANIZED
  4. ALL JOIST HANGERS AND MISCELLANEOUS STABILIZERS TO BE SIMPSON
  5. ALL LUMBER, INCLUDING BEAMS AND DECK JOISTS, TO BE 'PWT TREATED' BY PACIFIC WOOD TECH; 888-707-2285
  6. TOP OF ALL SURFACES OF ALL WOOD FRAMING MEMBERS TO BE COVERED WITH APPROVED FLASHING TAPE.
  7. ALL CUT ENDS OF WOOD FRAMING MEMBERS TO BE SEAL COATED.
  8. STL FABRICATOR TO CONFIRM SADDLE SIZES WITH BEAM LAYOUT



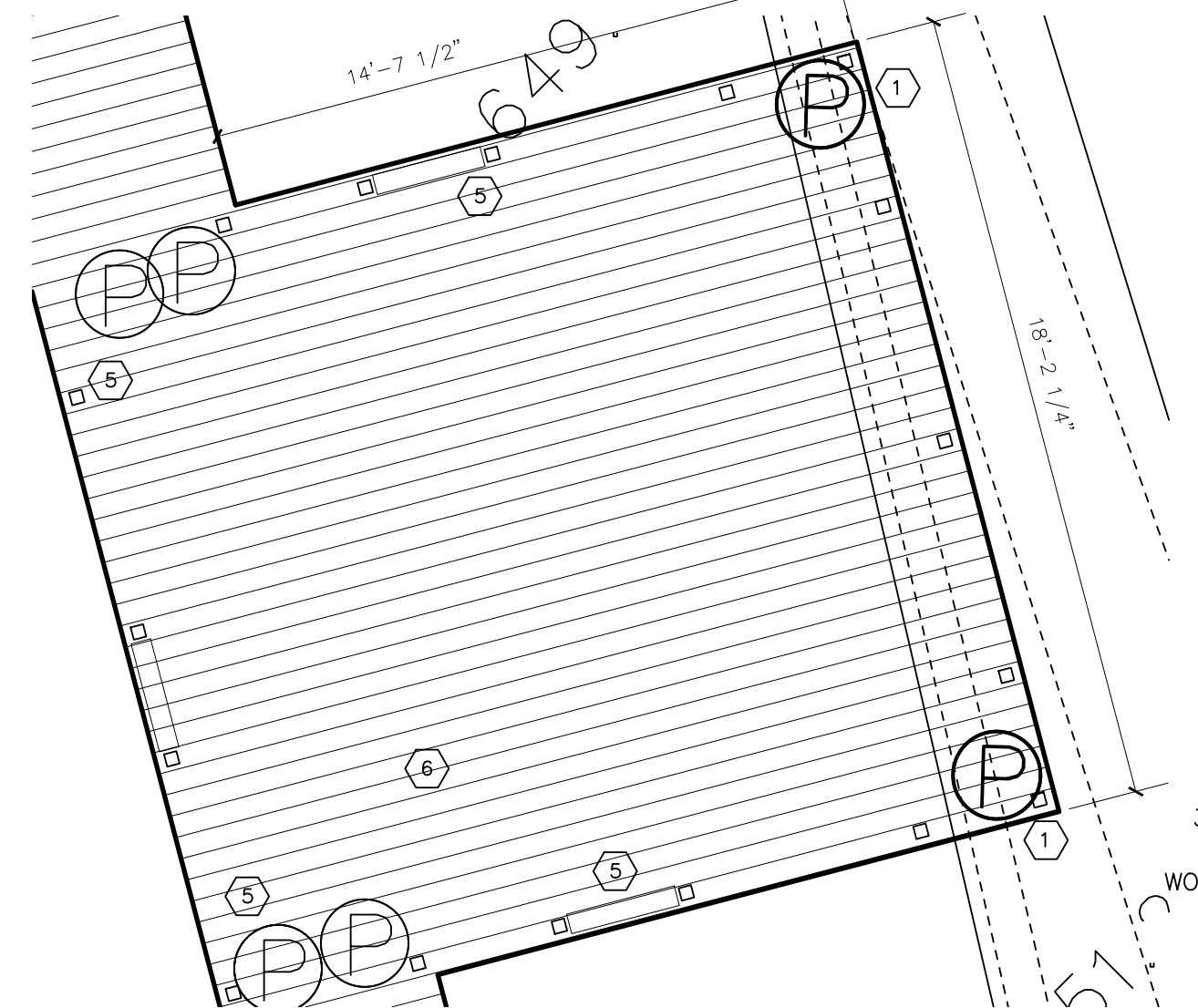
**1 SITE PLAN**  
SCALE: 3/32" = 1'-0"



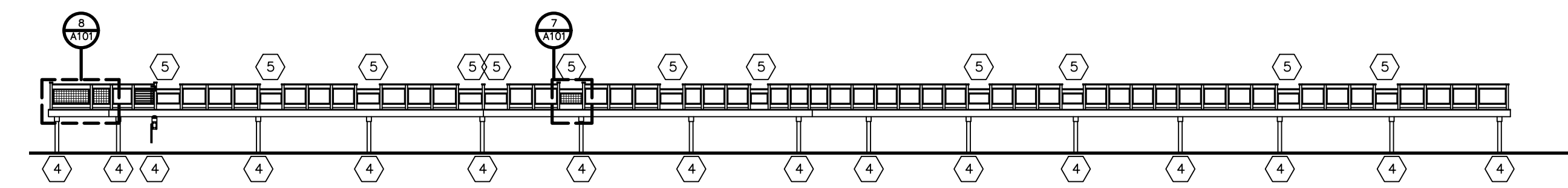
**2 PARTIAL SITE PLAN**  
SCALE: 1/4" = 1'-0"



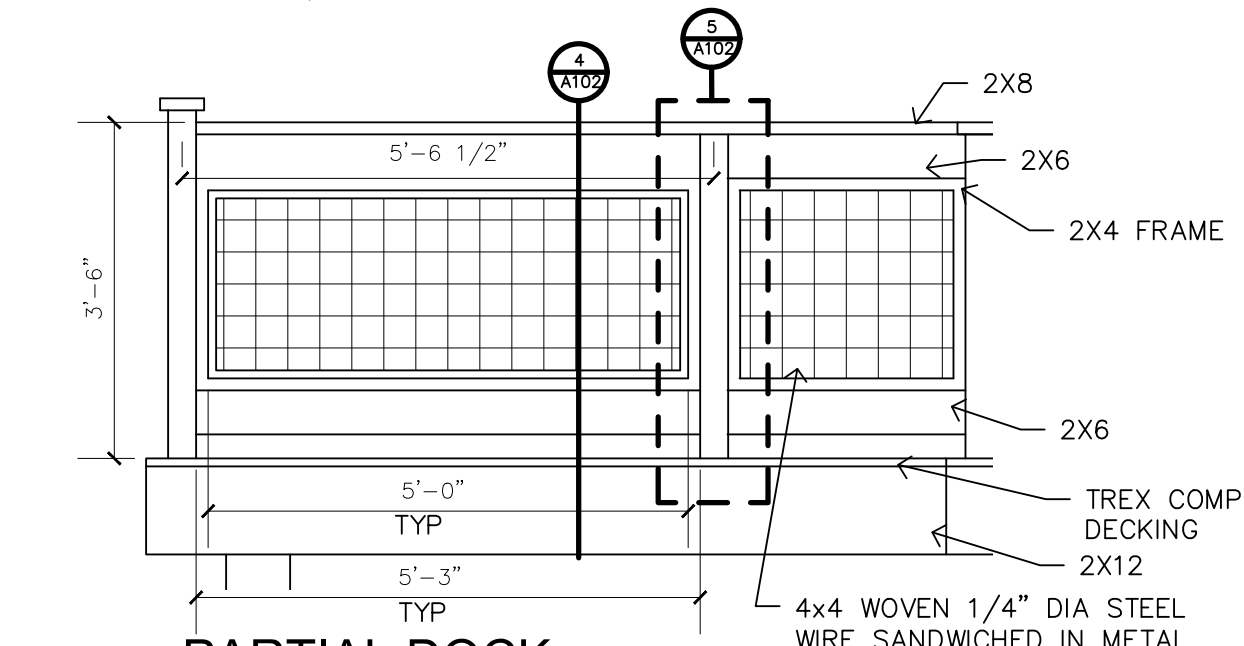
**3 PARTIAL SITE PLAN**  
SCALE: 1/4" = 1'-0"



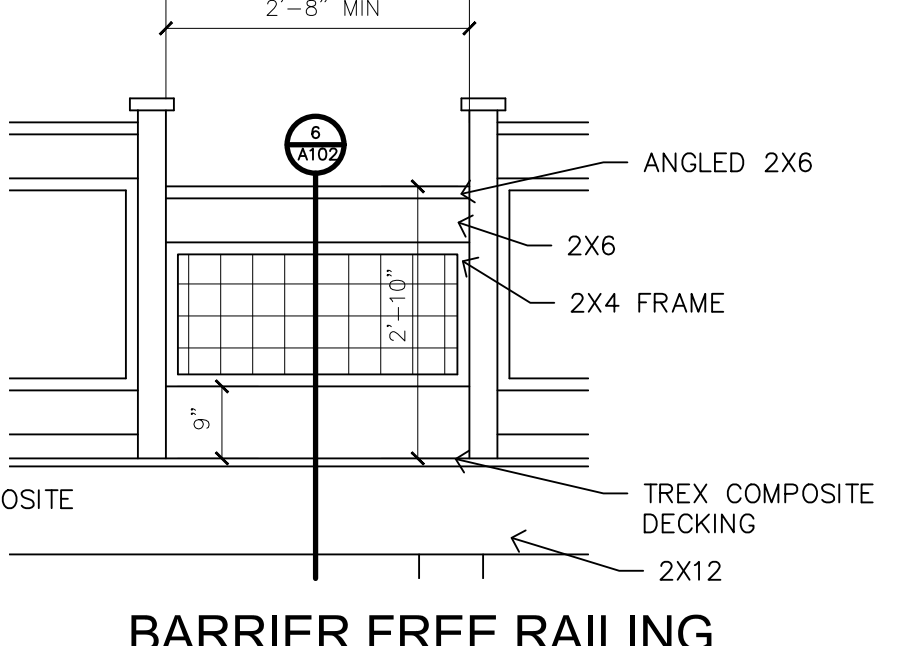
**4 PARTIAL SITE PLAN**  
SCALE: 1/4" = 1'-0"



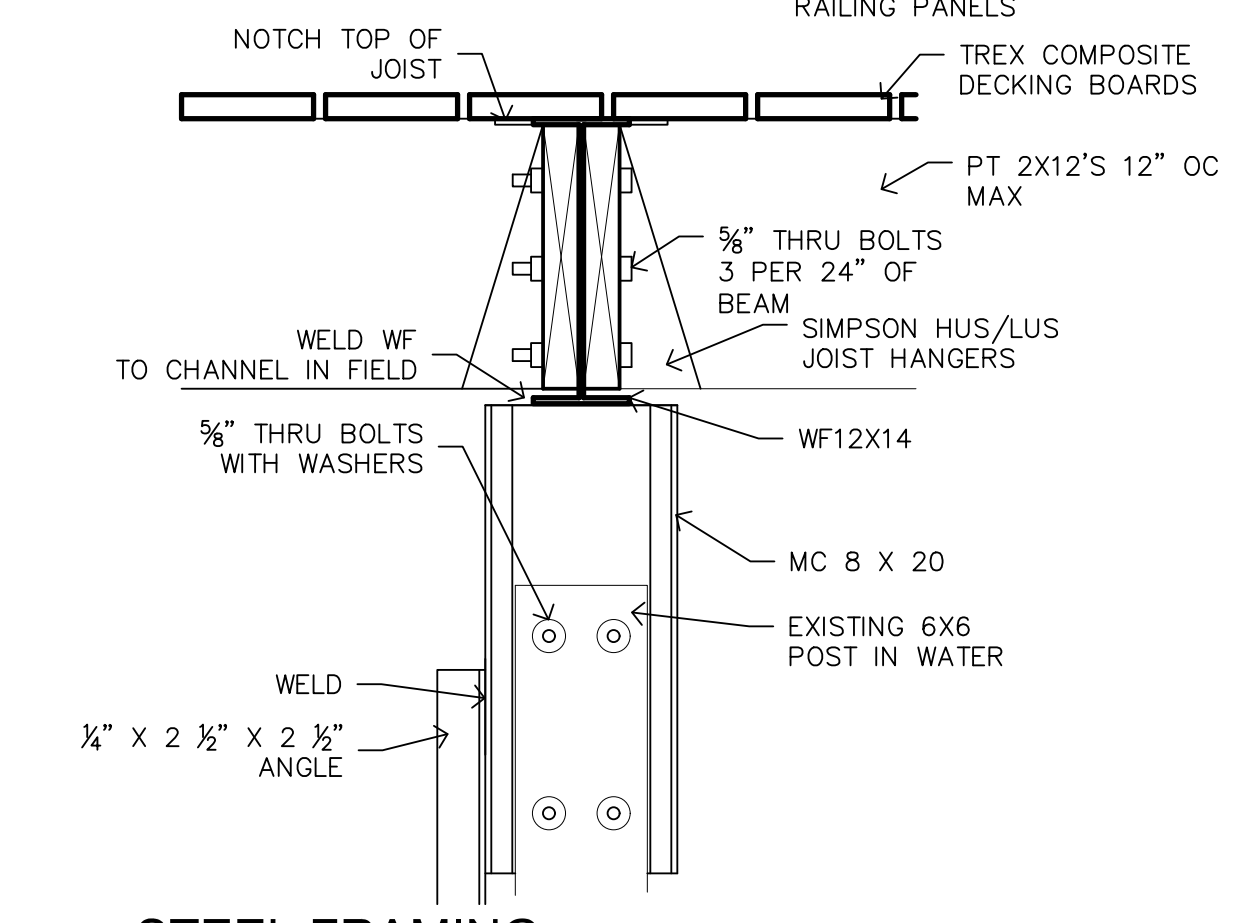
**5 DOCK ELEVATION**  
SCALE: 1/16" = 1'-0"



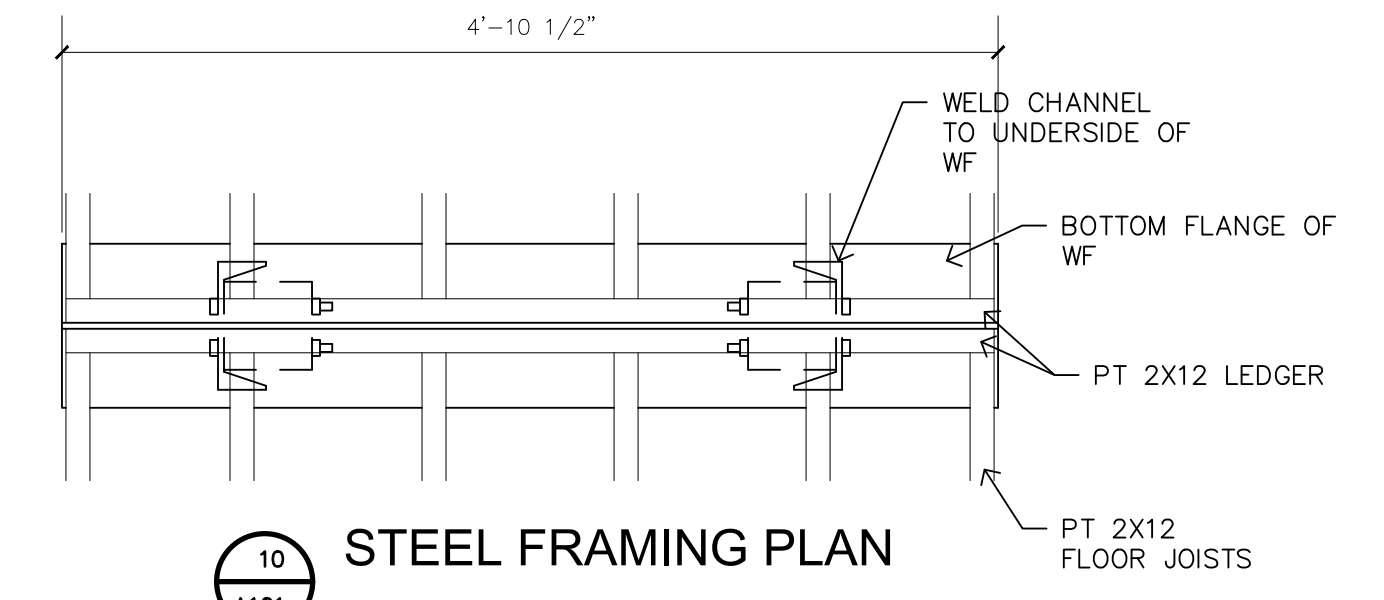
**6 PARTIAL DOCK ELEVATION**  
SCALE: 1/2" = 1'-0"



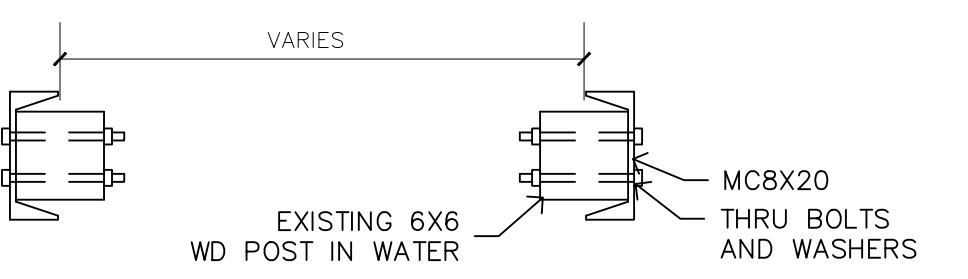
**7 BARRIER FREE RAILING ELEVATION**  
SCALE: 1/2" = 1'-0"



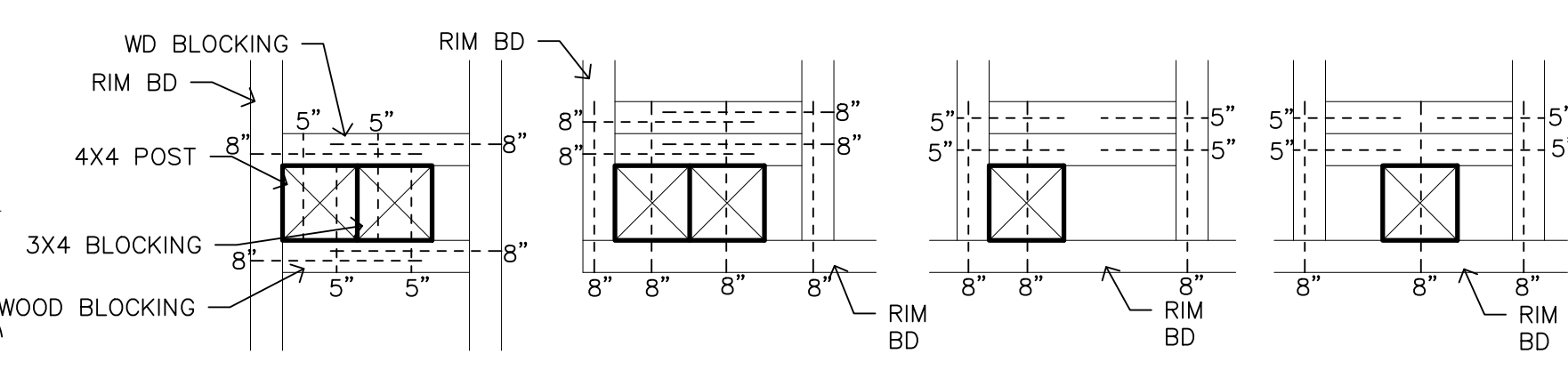
**13 STEEL FRAMING SECTION**  
SCALE: 1 1/2" = 1'-0"



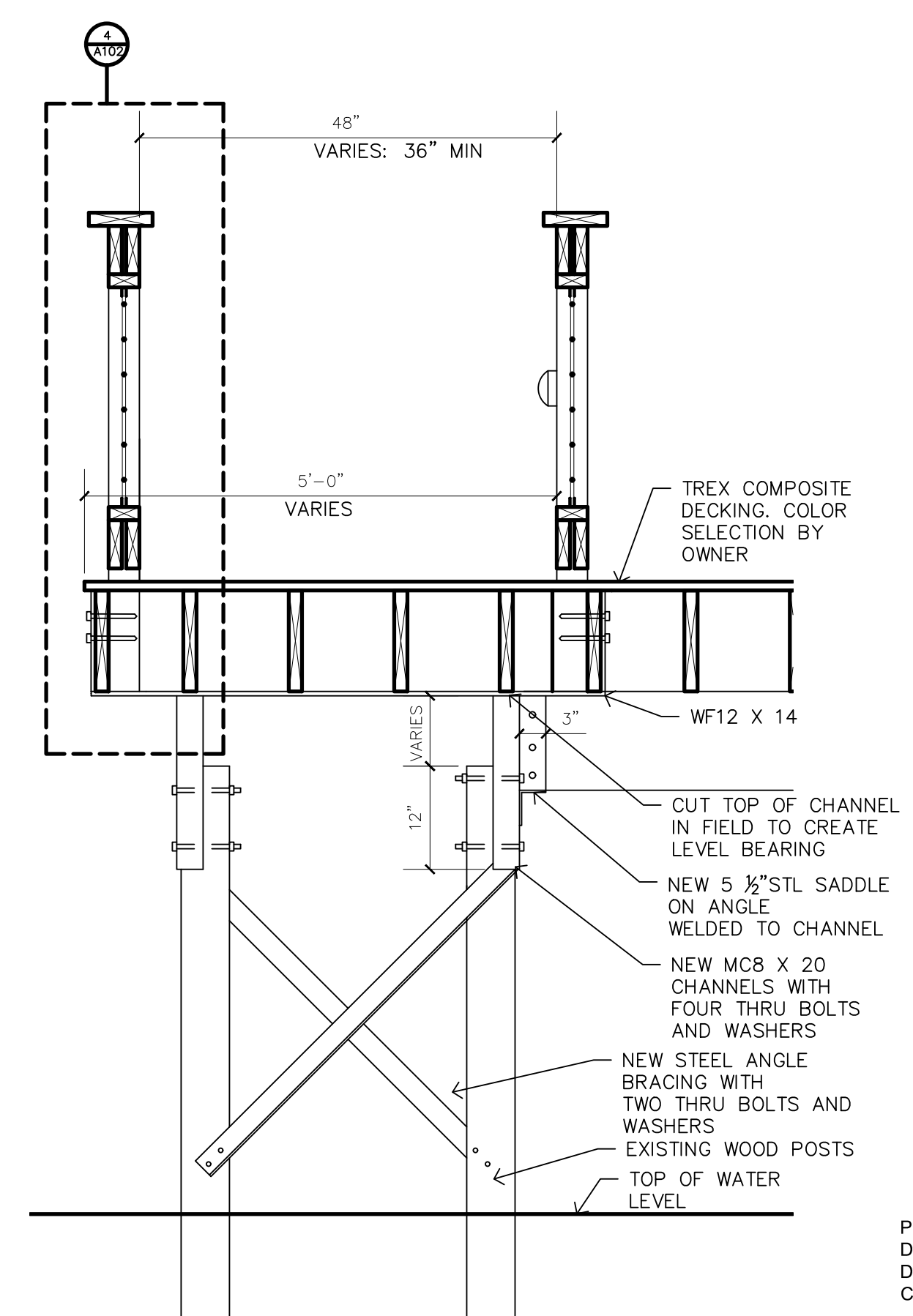
**10 STEEL FRAMING PLAN**  
SCALE: 1" = 1'-0"



**11 STEEL FRAMING PLAN**  
SCALE: 1" = 1'-0"



**8 RAILING ANCHOR**  
SCALE: 1 1/2" = 1'-0"



**9 SECTION**  
SCALE: 3/4" = 1'-0"

**PRELIMINARY NOT TO BE USED FOR CONSTRUCTION**  
**VERIFY ALL DIMENSIONS IN FIELD**

**FRENCH LANDING DOCK RENOVATION**  
12090 HAGGERTY RD., BELLEVILLE, MI 48111

**HOPPE DESIGN, LLC**  
47032 MERRIDIE, BELLEVILLE, MI 48111  
734-216-2492

REVISIONS

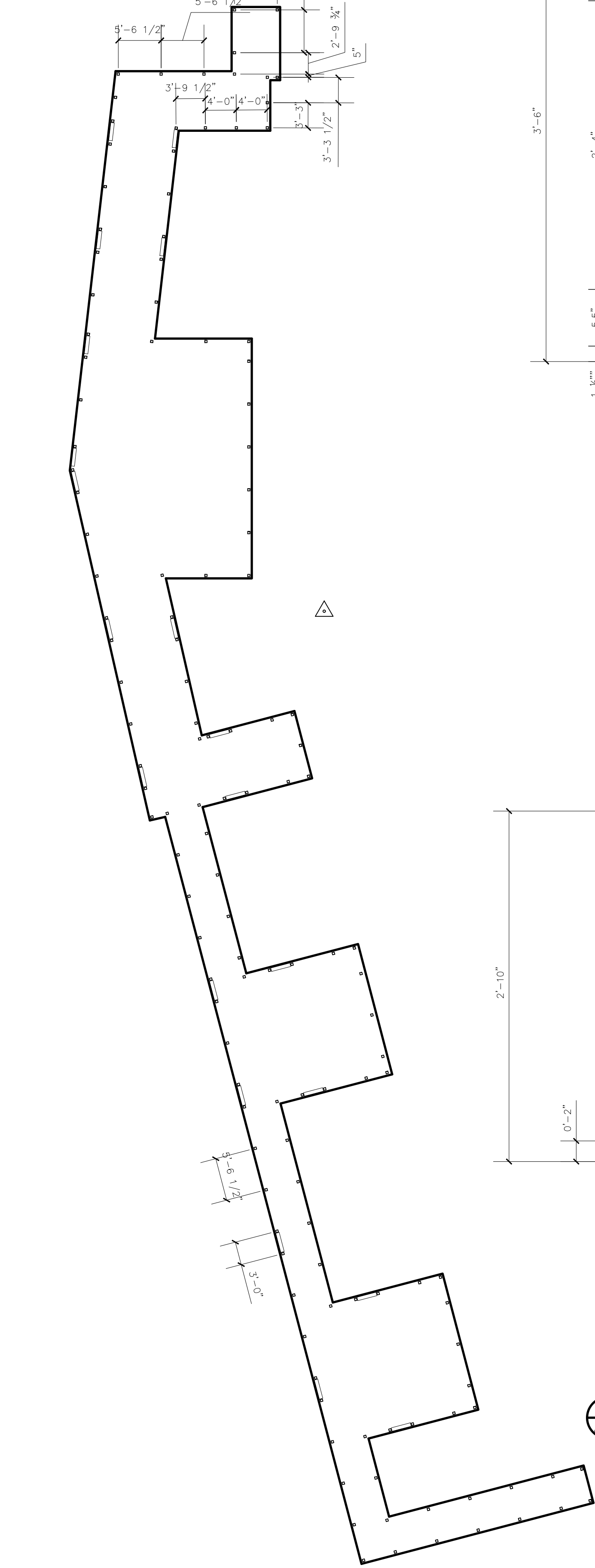
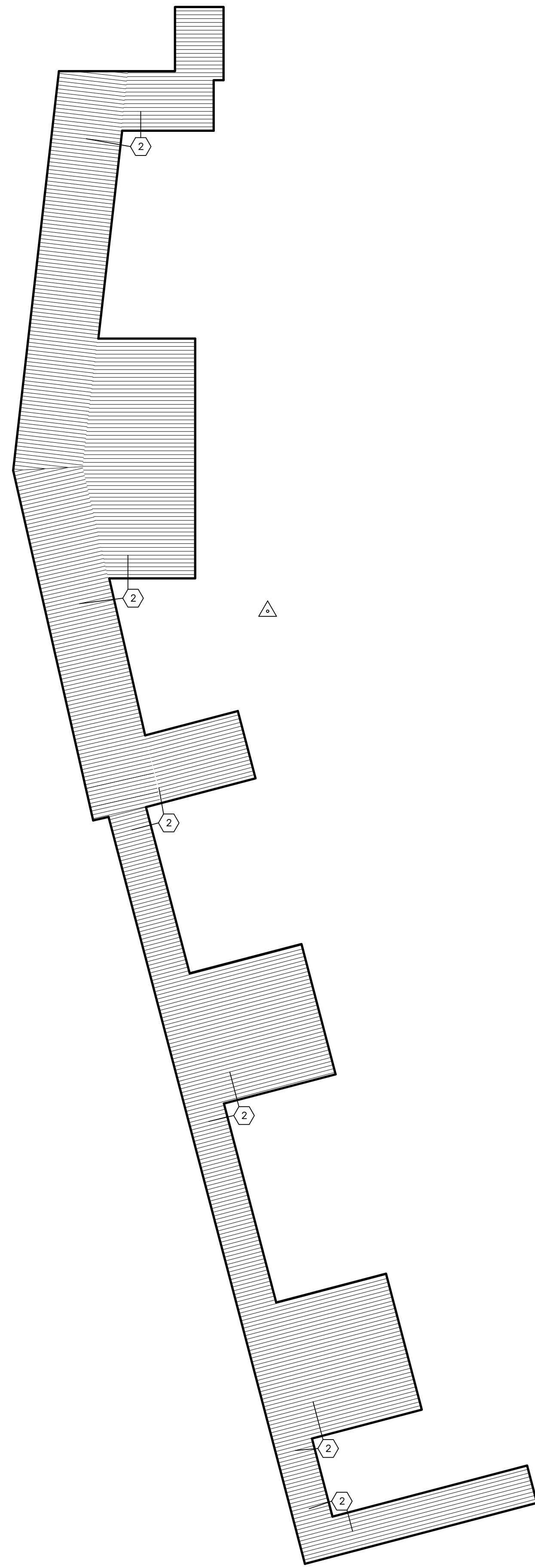
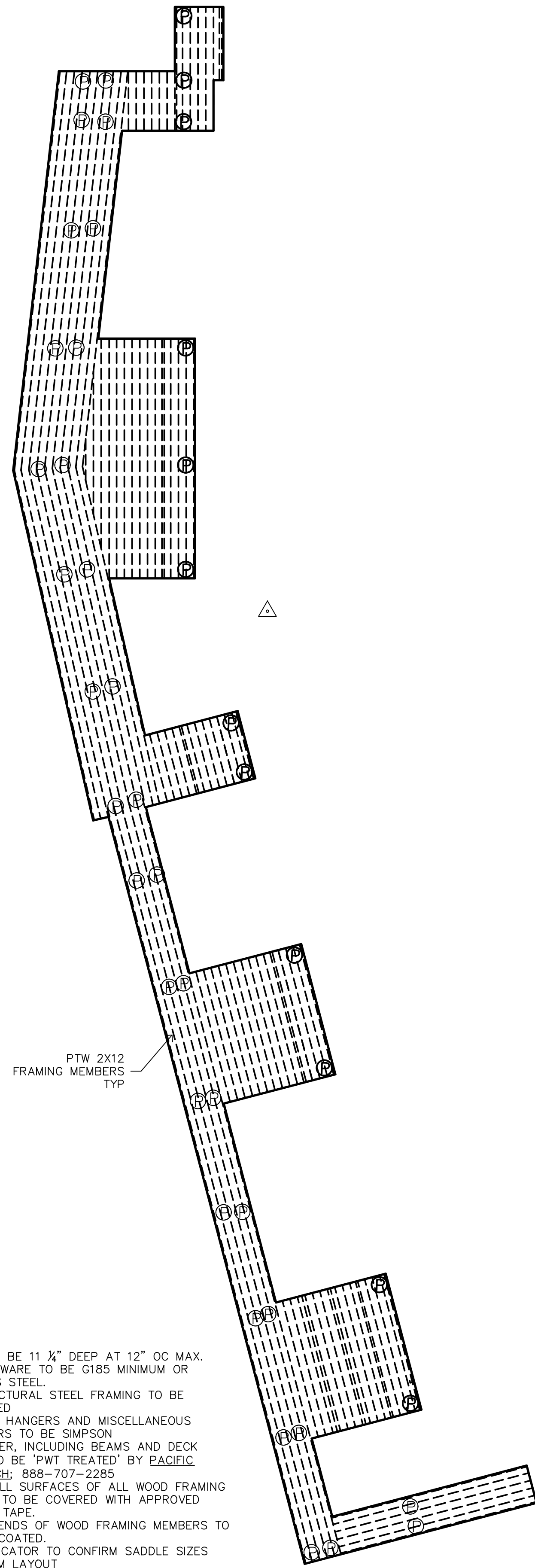
PROJECT: 2216  
DATE: 10.30.22  
DRAWN: WCH  
CHECKED: WCH

**A101**

COPYRIGHT ALL RIGHTS RESERVED BY WAYDE C. HOPPE, ARCHITECT  
NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION

**KEYNOTES**

1. NEW 6 DIA STL POST DRIVEN BY BARGE PILE DRIVER
2. NEW 1X6 TREX DECKING
3. NEW PT LVL

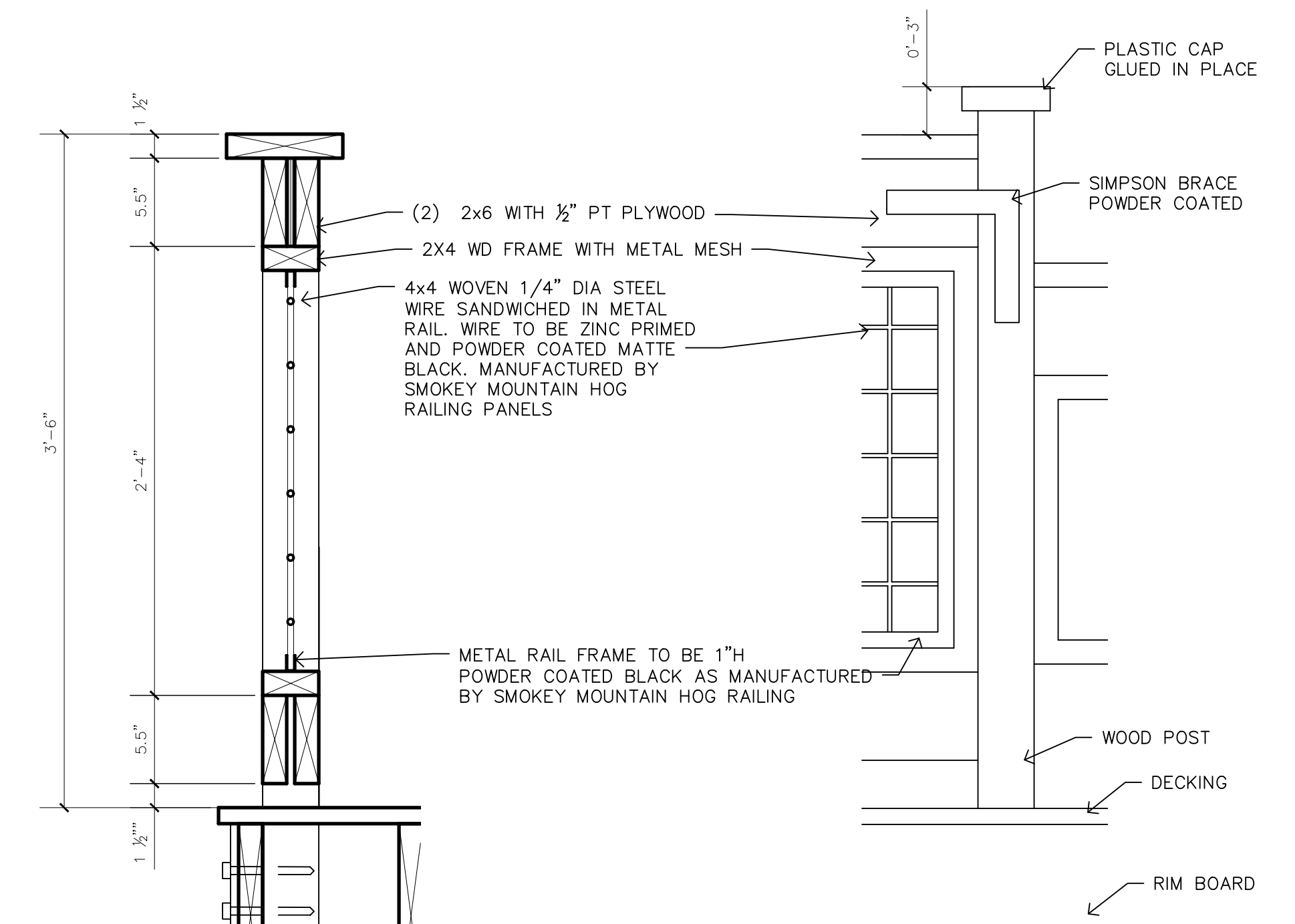


- NOTES**
1. JOISTS TO BE 11 1/4" DEEP AT 12" OC MAX.
  2. ALL HARDWARE TO BE #185 MINIMUM OR STAINLESS STEEL.
  3. ALL STRUCTURAL STEEL FRAMING TO BE GALVANIZED.
  4. ALL JOIST HANGERS AND MISCELLANEOUS STABILIZERS TO BE SIMPSON.
  5. ALL LUMBER, INCLUDING BEAMS AND DECK JOISTS, TO BE 'PWT TREATED' BY PACIFIC WOOD TECH; 888-707-2285.
  6. TOP OF ALL SURFACES OF ALL WOOD FRAMING MEMBERS TO BE COVERED WITH APPROVED FLASHING TAPE.
  7. ALL CUT ENDS OF WOOD FRAMING MEMBERS TO BE SEAL COATED.
  8. STL FABRICATOR TO CONFIRM SADDLE SIZES WITH BEAM LAYOUT.

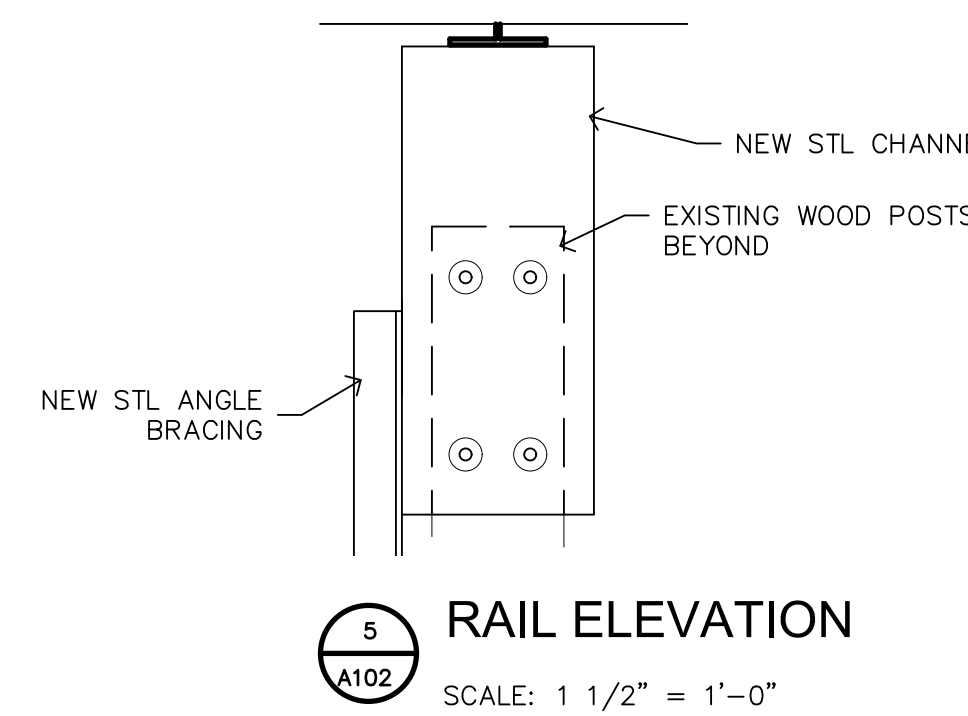
**1** FRAMING PLAN  
SCALE: 3/32" = 1'-0"

**2** DECKING PLAN  
SCALE: 3/32" = 1'-0"

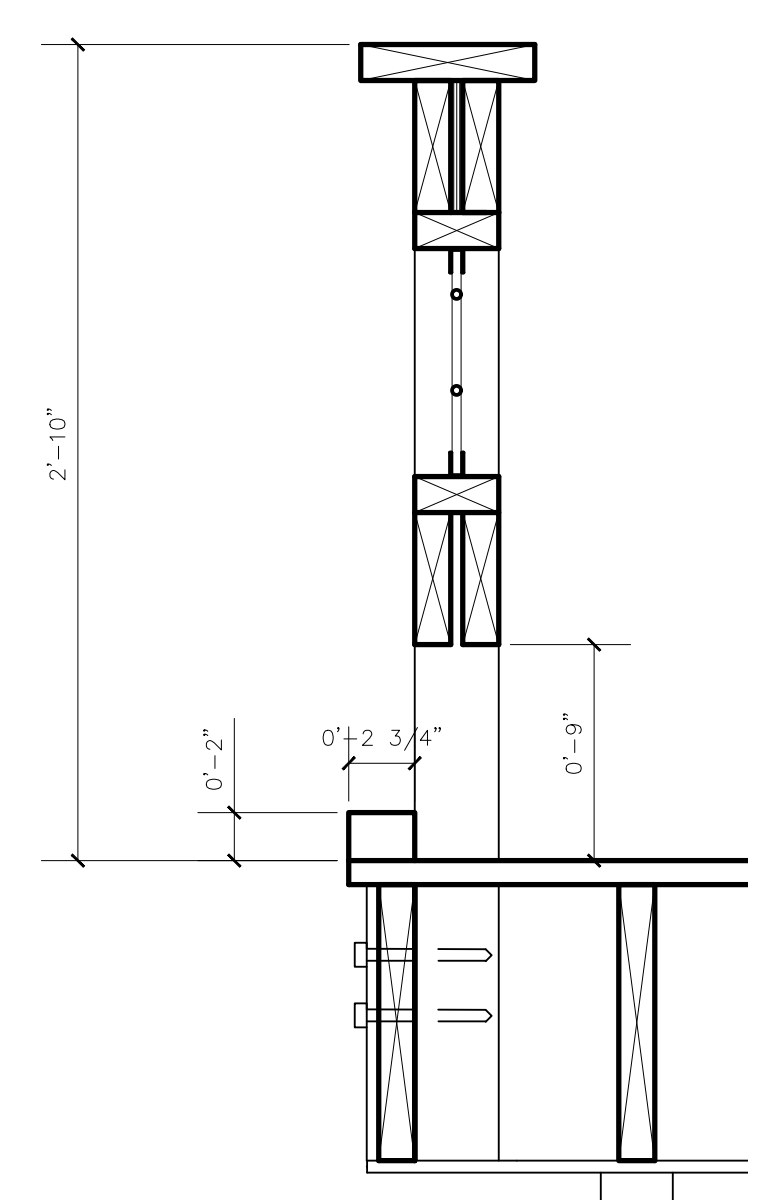
**3** RAILING LOCATION PLAN  
SCALE: 3/32" = 1'-0"



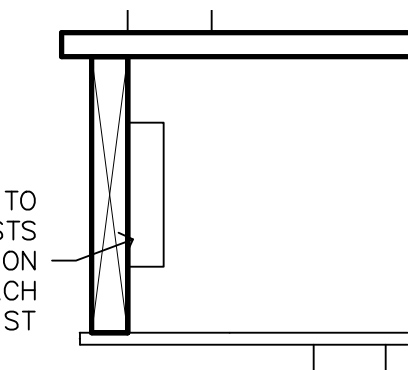
**4** RAIL SECTION  
SCALE: 1 1/2" = 1'-0"



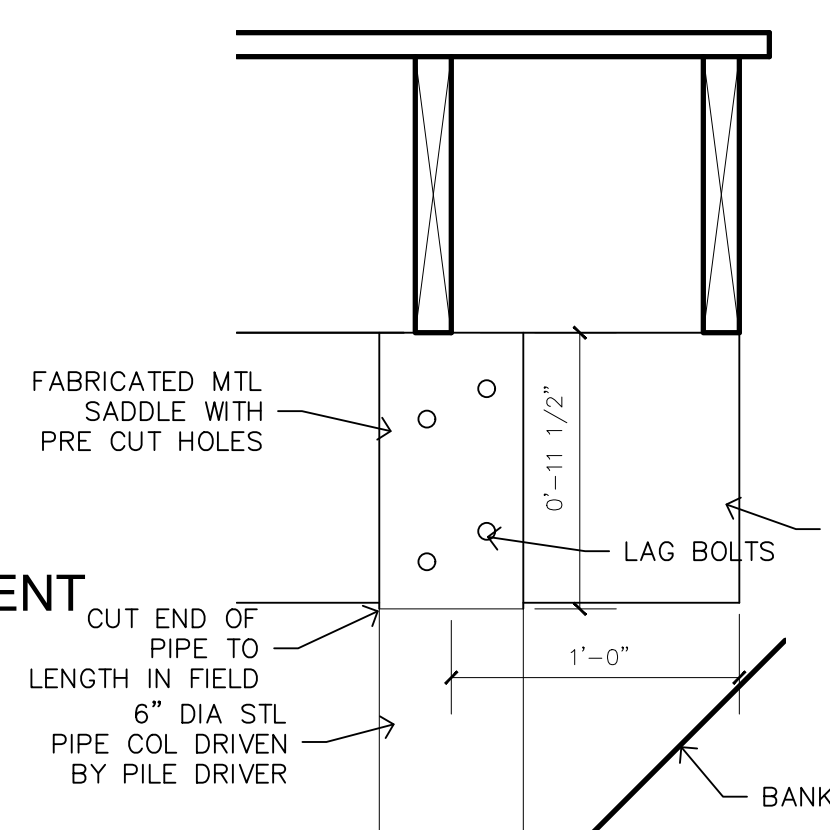
**5** RAIL ELEVATION  
SCALE: 1 1/2" = 1'-0"



**6** BF RAIL SECTION  
SCALE: 1 1/2" = 1'-0"



**9** RIM ATTACHMENT  
SCALE: 1 1/2" = 1'-0"



**9** PILE CONNECTION  
SCALE: 1 1/2" = 1'-0"

**FRENCH LANDING DOCK RENOVATION**  
 12090 HAGGERTY RD., BELLEVILLE, MI 48111

**HOPPE DESIGN, LLC**  
 47032 MERRIDE, BELLEVILLE, MI 48111  
 734-216-2492

**PRELIMINARY NOT TO BE USED FOR CONSTRUCTION  
VERIFY ALL DIMENSIONS IN FIELD**

**SITE PLANS**

**A102**

COPYRIGHT ALL RIGHTS RESERVED BY WAYDE C. HOPPE, ARCHITECT  
NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION

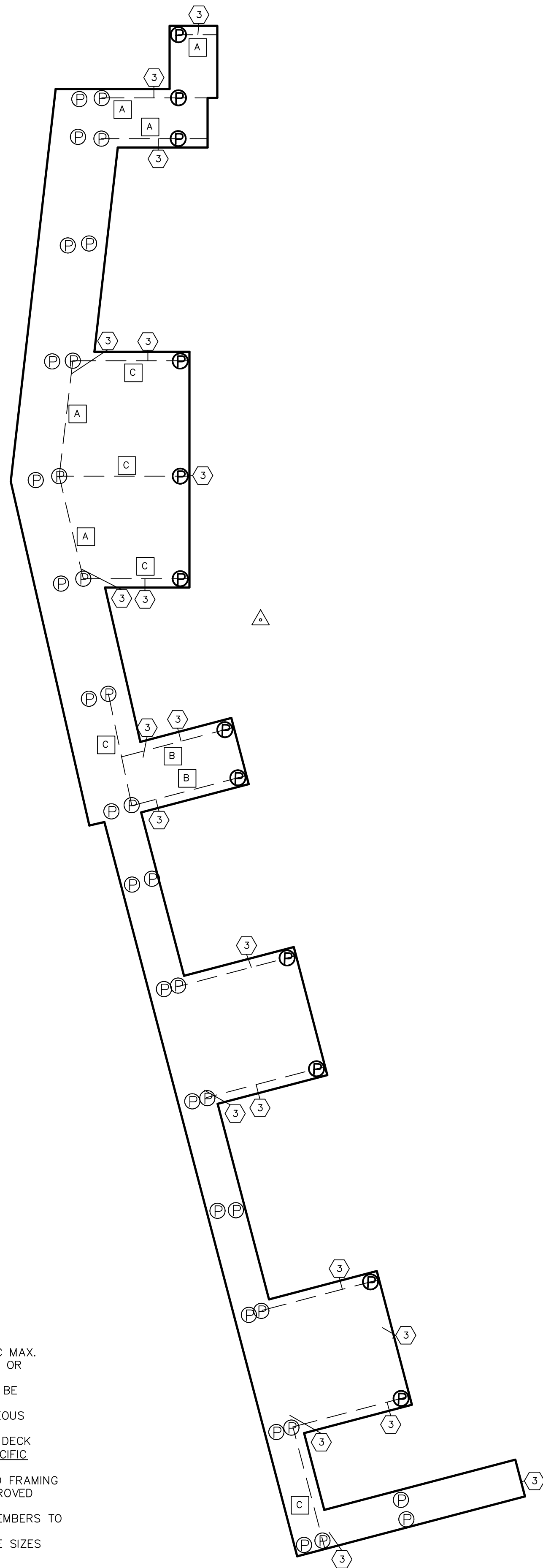
PROJECT: 2216  
 DATE: 10.30.22  
 DRAWN: WCH  
 CHECKED: WCH

**KEYNOTES** (X)

- NEW 6 DIA STL POST DRIVEN BY BARGE PILE DRIVER.
- NEW 1X6 TREX DECKING
- NEW PT LVL

**BEAM SCHEDULE** (X)

- SINGLE PLY 1 3/4" X 11 3/8" LVL
  - DOUBLE PLY 3 1/2" X 11 3/8" LVL
  - TRIPLE PLY 5 1/2" X 11 3/8" LVL
- ALL BEAM BEARING TO BE A MIN OF 2.2" END BEARING AND 5.4" INTERMEDIATE BEARING

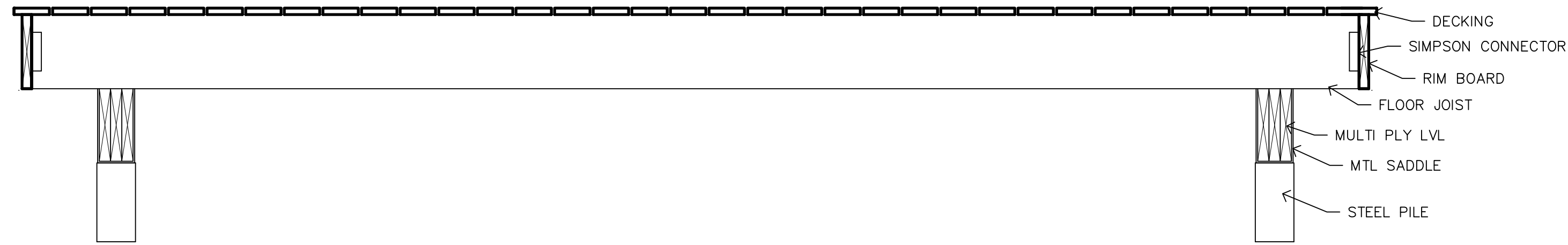


**1** BEAM LAYOUT  
SCALE: 3/32" = 1'-0"

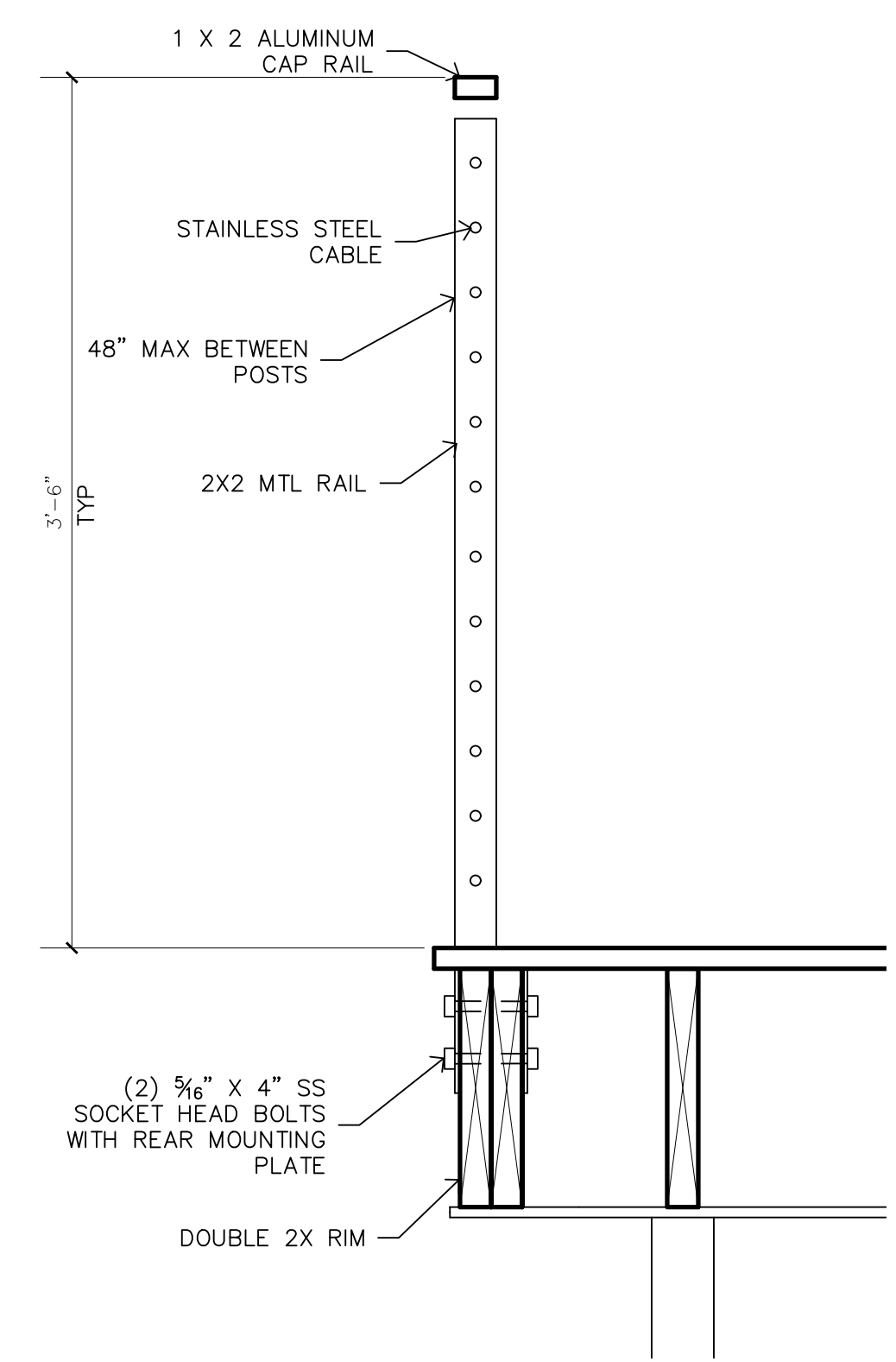


PROJECT NORTH

**PRELIMINARY NOT TO BE USED FOR CONSTRUCTION  
VERIFY ALL DIMENSIONS IN FIELD**



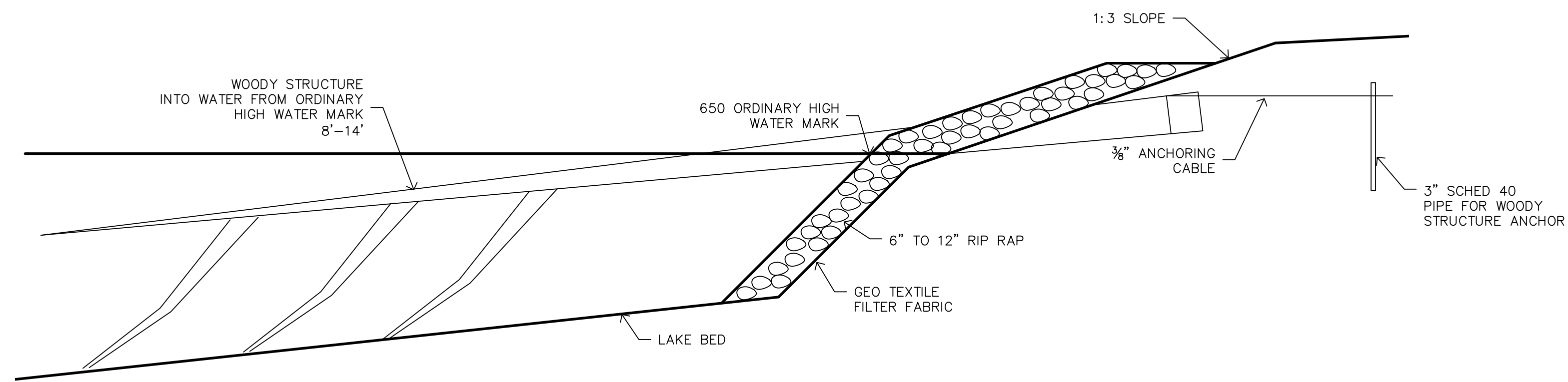
**4** DECK SECTION  
SCALE: 3/4" = 1'-0"



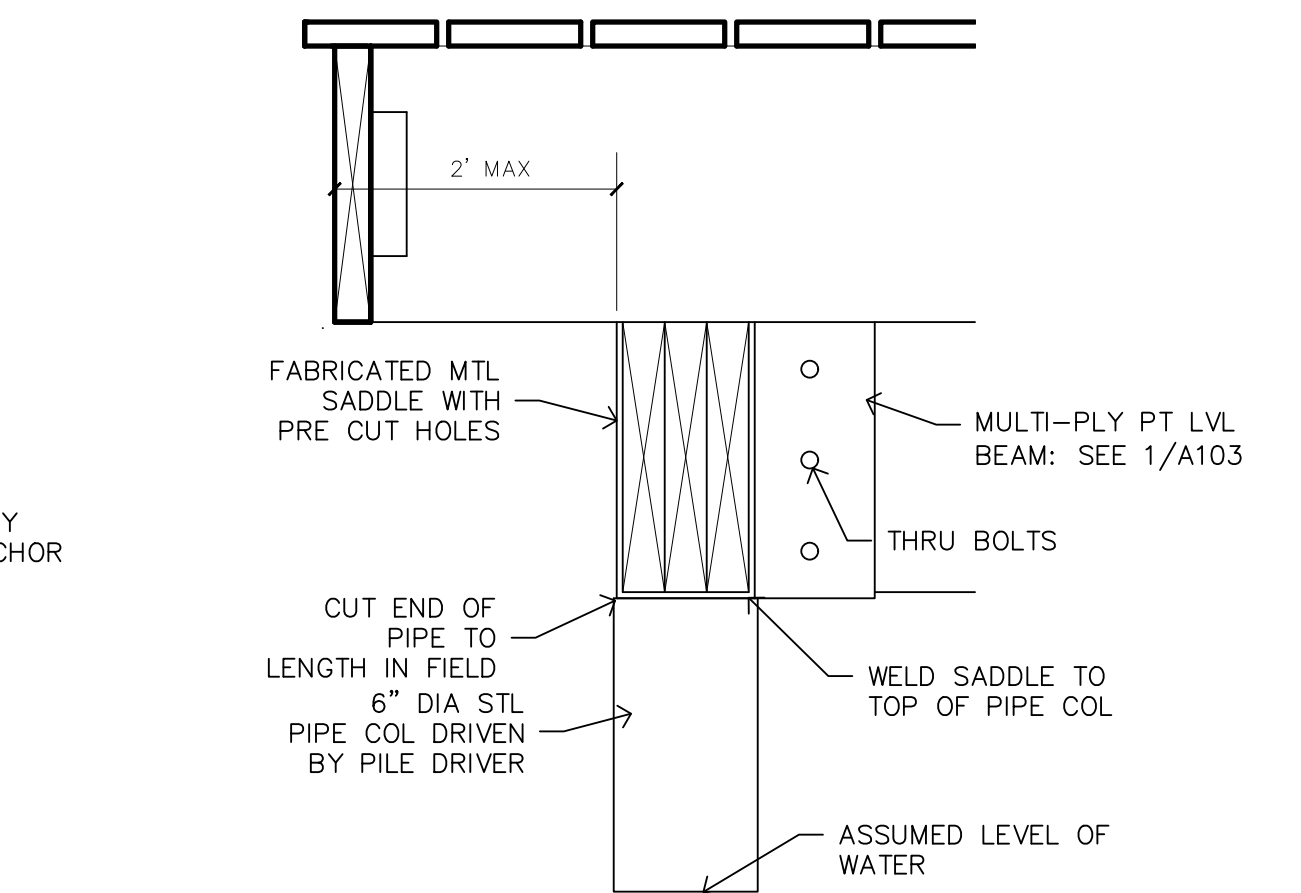
**3** ALTERNATE RAILING  
SCALE: 1 1/2" = 1'-0"

NOTE  
RAIL SYSTEM TO BE MTL RAIL AND SS CABLES AS MANUFACTURED BY VEWRAIL. SYSTEM TO BE RATED FOR COASTAL USE. PROVIDE ALL REQUIRED MATERIALS FOR A COMPLETE SYSTEM. SYSTEM TO RESIST LOADING AS REQUIRED BY CODE.

- NOTES
- JOISTS TO BE 11 3/4" DEEP AT 12" OC MAX.
  - ALL HARDWARE TO BE G185 MINIMUM OR STAINLESS STEEL.
  - ALL STRUCTURAL STEEL FRAMING TO BE GALVANIZED
  - ALL JOIST HANGERS AND MISCELLANEOUS STABILIZERS TO BE SIMPSON
  - ALL LUMBER, INCLUDING BEAMS AND DECK JOISTS, TO BE 'PWT TREATED' BY PACIFIC WOOD TECH; 888-707-2285
  - TOP OF ALL SURFACES OF ALL WOOD FRAMING MEMBERS TO BE COVERED WITH APPROVED FLASHING TAPE.
  - ALL CUT ENDS OF WOOD FRAMING MEMBERS TO BE SEAL COATED.
  - STL FABRICATOR TO CONFIRM SADDLE SIZES WITH BEAM LAYOUT



**5** WOODY STRUCTURE AT WATERS EDGE  
SCALE: 3/16" = 1'-0"



**2** PILE CONNECTION  
SCALE: 1 1/2" = 1'-0"

**FRENCH LANDING  
DOCK RENOVATION**  
12090 HAGGERTY RD., BELLEVILLE, MI 48111

**HOPPE DESIGN, LLC**  
47032 MERRIDE, BELLEVILLE, MI 48111  
734-216-2492

REVISIONS

PROJECT: 2216  
DATE: 10.30.22  
DRAWN: WCH  
CHECKED: WCH

**SITE PLAN AND  
DETAILS**

COPYRIGHT ALL RIGHTS RESERVED BY WAYDE C. HOPPE, ARCHITECT  
NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION
































**A103**

LIGHT FIXTURE SCHEDULE					
TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS	NO-WATTS/MOUNTED	REMARKS
A	LAKE LITE	SOLAR DECK LIGHTS	LED	0.4 FLOOR	WHITE, 8 LUMENS

**ELECTRICAL**   
**KEYNOTES**

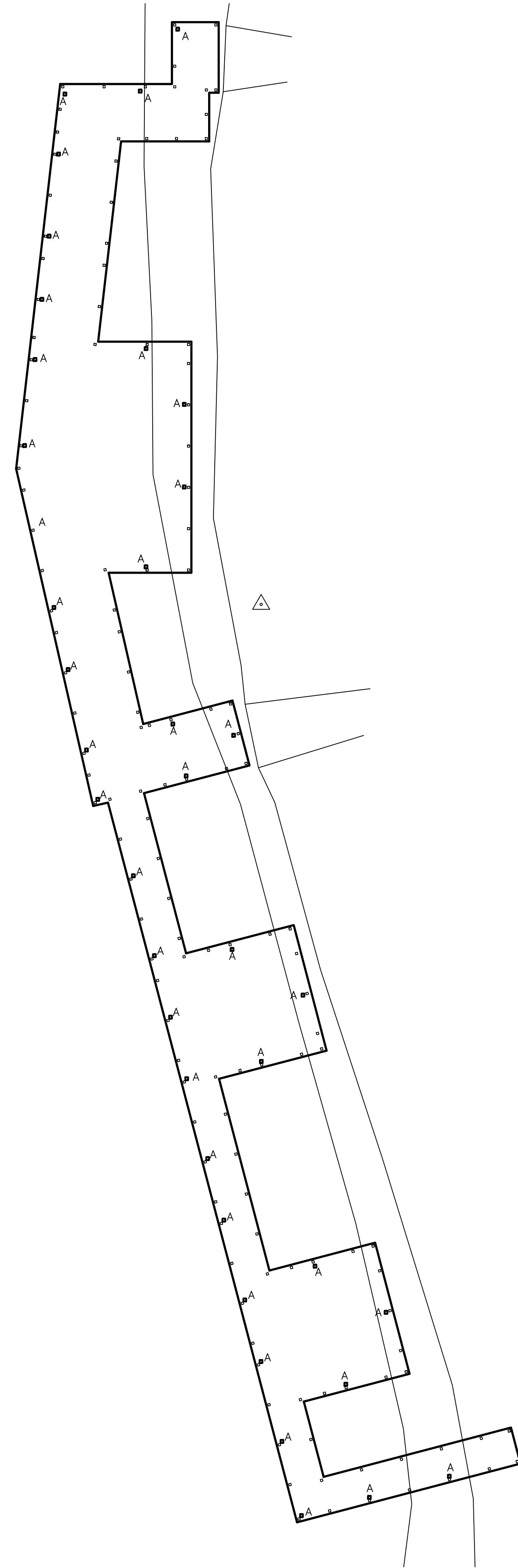
1. X

**LEGEND**

-  SWITCH ON RHEOSTAT
-  THREE WAY SWITCH
-  SWITCH WITH PILOT
-  SWITCH
-  SPECIAL OUTLET
-  DUPLEX OUTLET
-  QUAD OUTLET
-  WEATHERPROOF OUTLET
-  GROUND FAULT INTERRUPTER
-  TELEPHONE/ COMPUTER
-  SMOKE DETECTOR
-  TELEVISION/ CABLE
-  CEILING MOUNTED LIGHT FIXTURE
-  CEILING MOUNTED LIGHT FIXTURE RECESSED
-  WALL MOUNTED LIGHT FIXTURE
-  CEILING FAN/ LIGHT
-  SCONCE
-  MOTOR, ONE PHASE
-  GROUND MNTD EXT. LIGHTING
-  2x4 LAY IN LIGHT FIXTURE
-  1 x 4 LIGHT FIXTURE
-  PENDANT MOUNTED OVERSIZED FIXTURE
-  EXIT SIGN
-  EXIT SIGN/ EMERGENCY LIGHT
-  FIRE ALARM PULL STATION
-  HORN/ STROBE
-  COMPUTER JACK
-  RATE OF RISE HEAT DETECTOR
-  DISCONNECT SWITCH
-  DISCONNECT SWITCH WITH FUSE
-  AUDIO JUNCTION BOX- PRE-WIRE PER DIRECTION OF OWNER

**ELECTRICAL NOTES**

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE N.E.C., COUNTY AND LOCAL CODES, ORDINANCES, AND REGULATIONS INCLUDING MIOSHA.
2. COORDINATE ALL UNDERGROUND WORK WITH NEW AND EXISTING UNDERGROUND UTILITIES BEFORE INSTALLATIONS.
3. THE SECONDARY UNDERGROUND CONDUIT AND WIRE SHALL MEET THE REQUIREMENTS OF THE ELECTRIC UTILITY COMPANY.
4. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A 1/4" DIA. POLYPROPYLENE FISH LINE.
5. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED 24" MINIMUM BELOW GRADE (UNLESS OTHERWISE SHOWN ON PLAN).
6. ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL, INSTALLED WITH WATERTIGHT CONDUIT FITTINGS. EXPANSION FITTINGS SHALL BE PROVIDED AT ALL TRANSITIONS FROM UNDERGROUND TO EXPOSED CONDUIT.
- 7.
8. ALL THREADED ELECTRICAL EQUIPMENT (CONDUIT, FITTINGS, BOLTS, SCREWS, ETC.) INSTALLED AT EXTERIOR SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.
9. ALL WEATHERPROOF (W.P.) DUPLEX RECEPTACLES SHALL BE INSTALLED SUCH THAT COVER DOORS OPEN UPWARD.
10. HAND DIG WHERE REQUIRED TO LOCATE EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW UNDERGROUND CONDUITS FOR POWER AND LIGHTING.
11. PROVIDE A GREEN GROUND CONDUCTOR IN ALL SYSTEM CONDUITS, EXCEPT INSTRUMENT SIGNAL AND ALARM CONDUITS, INCLUDING BRANCH CIRCUIT CONDUITS FOR LIGHTING AND RECEPTACLES. GROUND CONDUCTOR SIZING SHALL BE PER N.E.C. TABLE 250.122 (MINIMUM) WHERE NOT SIZED ON THE DRAWINGS.
12. WIRE SIZE SHALL BE #12 (MINIMUM) AND CONDUIT SIZE SHALL BE 3/4" (MINIMUM) FOR ALL POWER AND LIGHTING CIRCUITS WHERE NOT SIZED ON THE DRAWINGS.
13. INSTALL SEPARATE GROUNDING CONDUCTOR TO ALL ISOLATED GROUND RECEPTACLES.
14. LOCATE JUNCTION BOXES PER MANUFACTURER'S REQUIREMENTS.
- 15.
16. VERIFY LOCATION OF ALL POWER, PHONE, AND DATA JUNCTION BOXES WITH THE OWNER.
- 17.
- 18.
- 19.
- 20.
21. ELECTRICAL CONTRACTOR TO COMPLY WITH NEC SECTION 110-C(A) AND (B) AND ALL TERMINATION CODE REQUIREMENTS.
22. EC TO SIZE ALL WIRING, CIRCUITING, JB'S, BREAKERS, SUB PANELS, ETC., TO PROVIDE A COMPLETE SYSTEM.
23. ELECTRICAL DRAWINGS ARE SCHEMATIC ONLY. EC IS RESPONSIBLE TO DETERMINE THE FINAL CONDUIT AND WIRING LAYOUT.



 LIGHTING PLAN  
 SCALE: 3/32" = 1'-0"

PROJECT NORTH  


**LIGHTING PLAN**

COPYRIGHT ALL RIGHTS RESERVED BY WAYDE C. HOPPE, ARCHITECT  
 NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION

FRENCH LANDING  
 DOCK RENOVATION  
 12090 HAGGERTY RD., BELLEVILLE, MI 48111

HOPPE DESIGN, LLC  
 47032 MERRIDE, BELLEVILLE, MI 48111  
 734-216-2492

REVISIONS

PROJECT: 2216  
 DATE: 10.30.22  
 DRAWN: WCH  
 CHECKED: WCH

**PRELIMINARY NOT TO BE USED FOR CONSTRUCTION**

**E101**