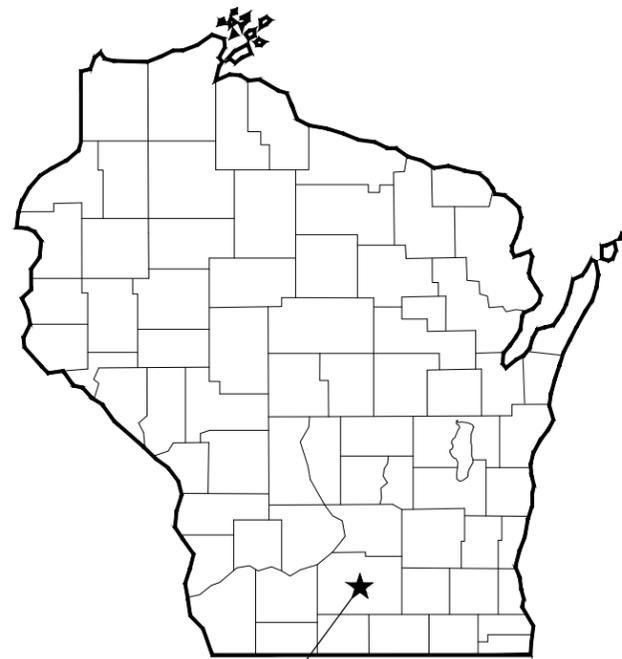
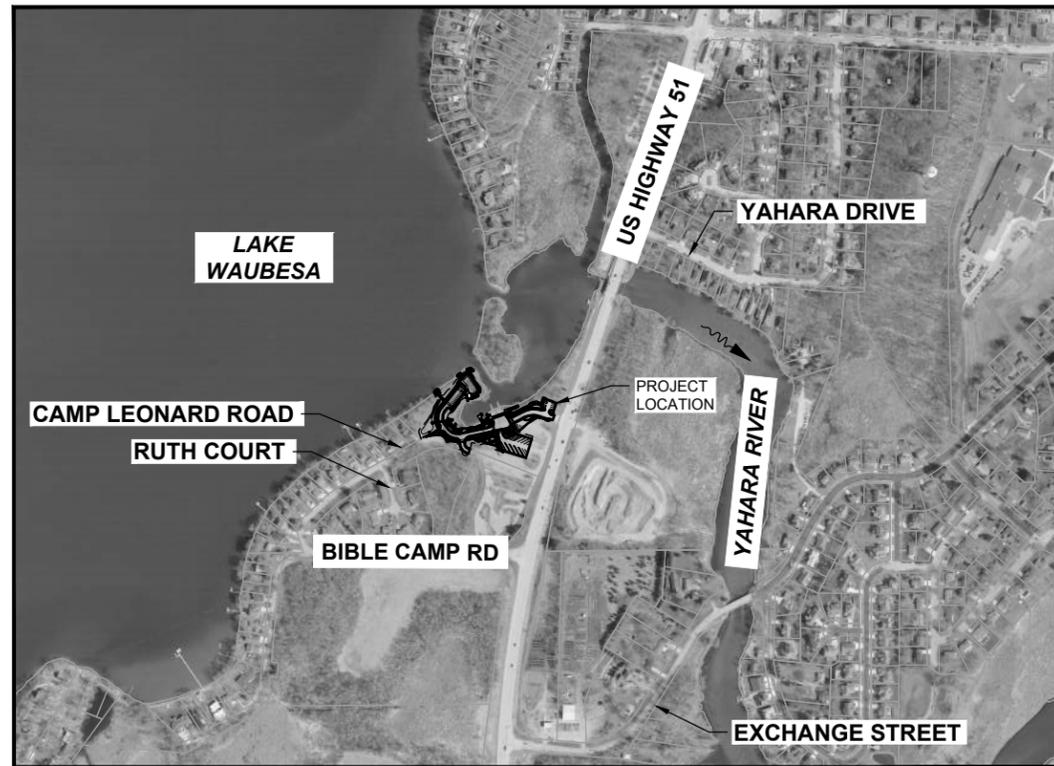


# BABCOCK COUNTY PARK - LAKE ACCESSIBILITY AND STORMWATER IMPROVEMENTS

## FOR THE DANE COUNTY PARKS DIVISION DANE COUNTY, WISCONSIN



PROJECT LOCATION  
AREA MAP  
NO SCALE



PROJECT LOCATION MAP  
NO SCALE



### DRAWING LIST

SHEET NO.	SHEET TITLE
1	TITLE
2	GENERAL NOTES AND STANDARD SYMBOLS
3-4	SITE DETAILS AND SECTIONS
5	PROJECT OVERVIEW
6	EROSION CONTROL NOTES AND DETAILS
7	EROSION CONTROL PLAN
8	DEMOLITION AND REMOVALS PLAN
9	OVERALL GRADING PLAN
10-14	DETAILED GRADING PLAN
15	STORM WATER OVERVIEW
16	BIORETENTION BASIN #1 DETAILS
17	BIORETENTION BASIN #2 DETAILS
18	BIORETENTION BASIN #3 DETAILS
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20	RESTORATION PLAN
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25	FISHING PIER FOUNDATION AND FRAMING PLAN
26	FISHING PIER DETAILS
27	FISHING PIER RAILING DETAILS
28	BOARDING PIER PLAN
29	BOARDING PIER FRAMING PLAN

**Strand Associates, Inc.**  
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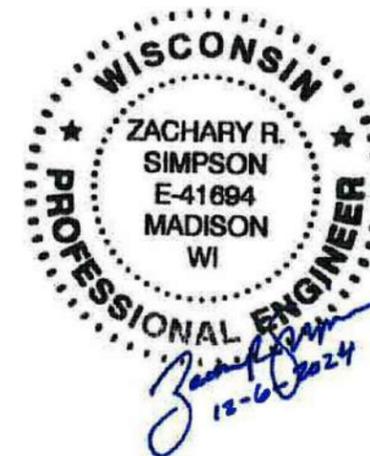
**CONTRACT 1-2024**



CITY-COUNTY BUILDING  
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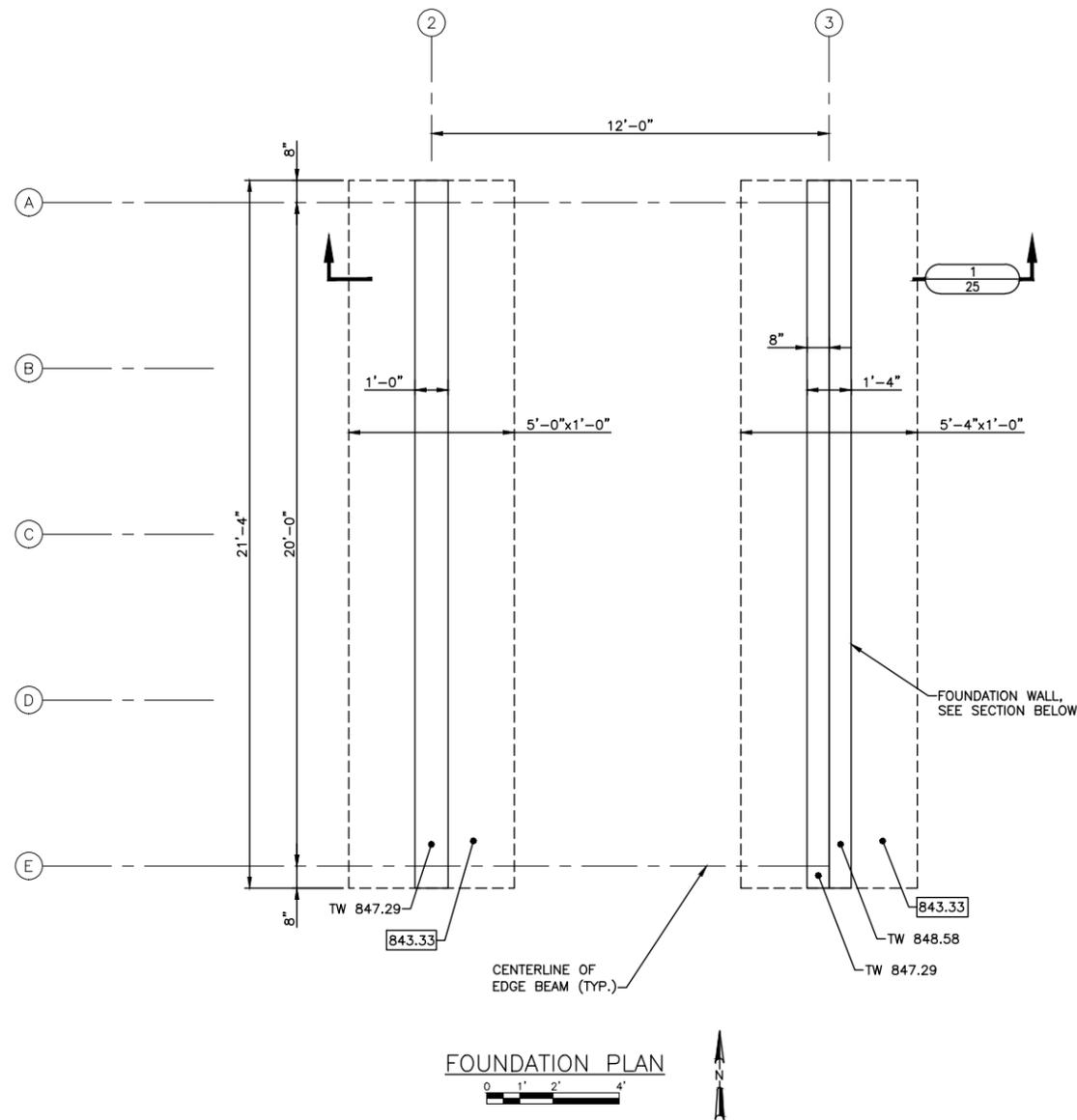




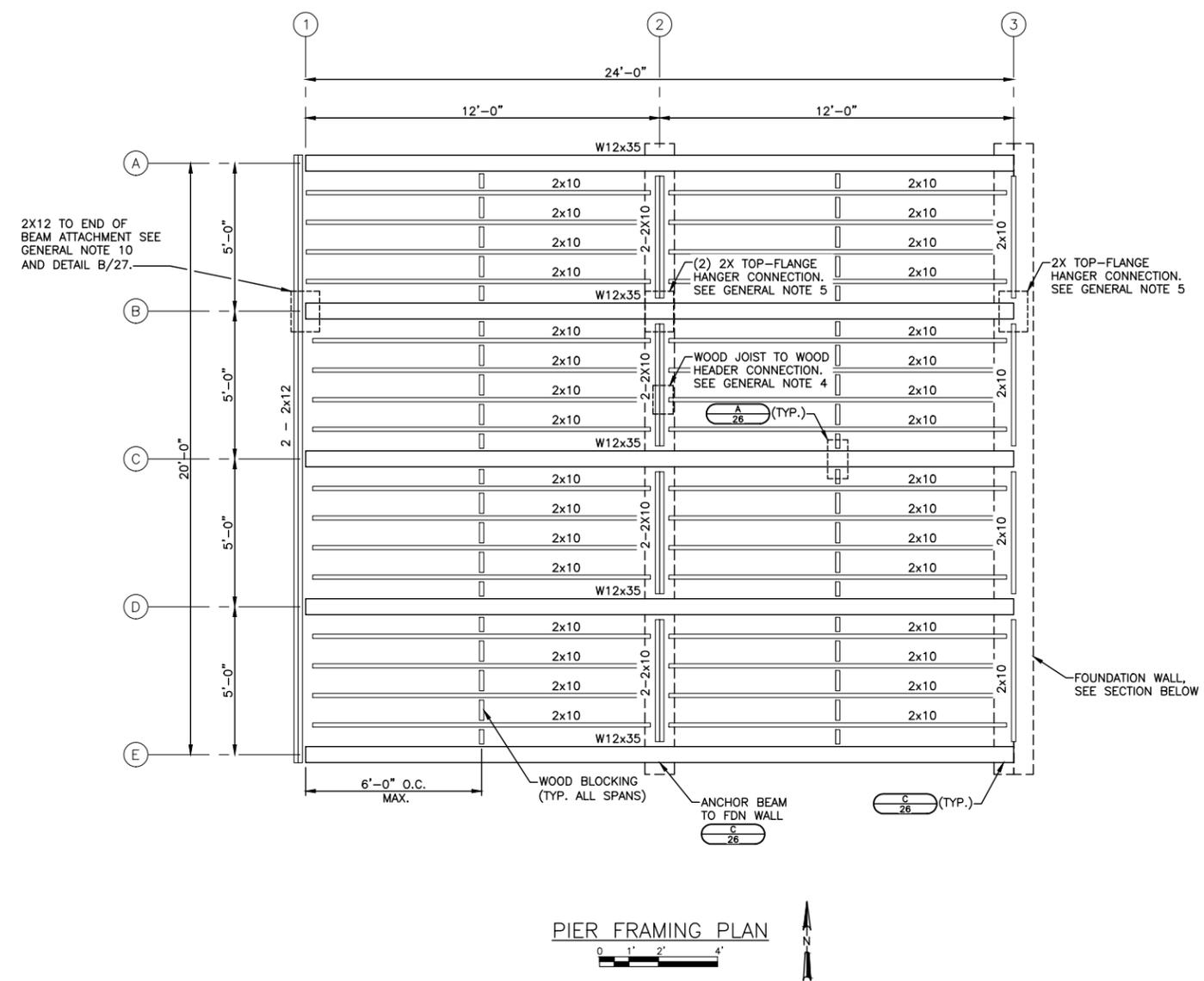




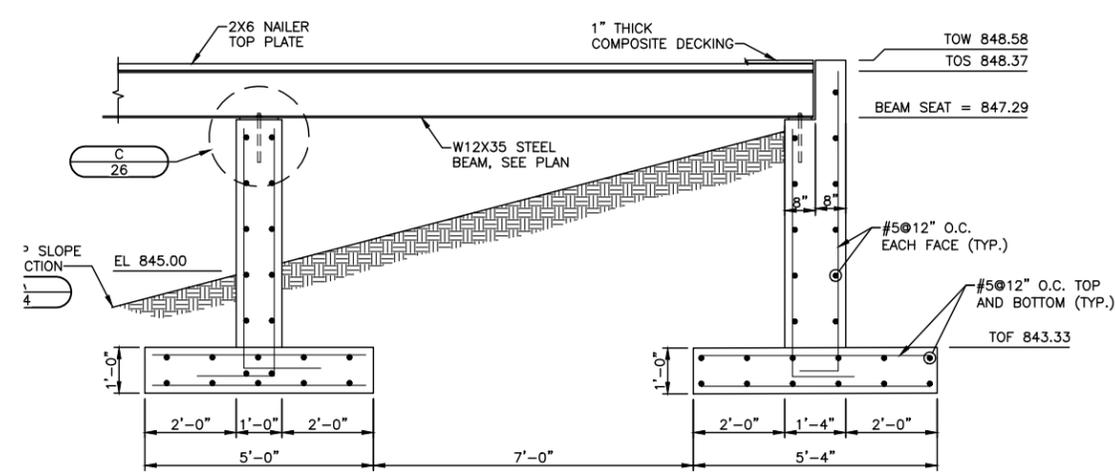




FOUNDATION PLAN  
 0 1' 2' 4'  
 N



PIER FRAMING PLAN  
 0 1' 2' 4'  
 N



SECTION THRU FOUNDATIONS  
 NO SCALE  
 1  
 25

**FISHING PIER DETAILS**

**FRAMING NOTES:**

1. TOP ELEVATION OF ALL LUMBER FRAMING = 848.50.
2. TOP ELEVATION OF ALL STEEL FRAMING = 848.37.
3. PROVIDE CONTINUOUS 2X6 NAILER TOP PLATE FASTENED TO TOP FLANGE OF ALL W12X35 STEEL BEAMS. ATTACH TOP PLATE TO STEEL BEAM WITH COUNTERSUNK SELF-TAPPING SCREWS SPACED @ 12" O.C. ON ALTERNATING SIDES OF BEAM FLANGE.
4. PROVIDE SIMPSON STRONG-TIE LU28 FACE-MOUNT HANGER, OR EQUAL, FOR ALL WOOD JOIST TO WOOD HEADER CONNECTIONS.
5. PROVIDE SIMPSON STRONG-TIE TOP-FLANGE HANGERS FOR WOOD HEADER TO STEEL BEAM CONNECTIONS. PROVIDE BA410 (MIN.) FOR (2) 2X10 HEADERS, AND JB210A FOR 2X10 HEADERS, OR EQUAL.
6. PROVIDE WOOD BLOCKING SPACED AT MID-SPAN FOR ALL SPANS, AS SHOWN ON THE DRAWINGS. FASTEN BLOCKING TO JOISTS WITH (3) 10D TOE-NAILS AT EACH END. FASTEN BLOCKING TO STEEL BEAMS PER DETAIL A/26.
7. PROVIDE CONTINUOUS WOOD BLOCKING TO PACK WEB OF EXTERIOR W12X35 BEAMS TO ALLOW FOR FASTENING OF COMPOSITE DECK FASCIA PER DETAIL B/24.
8. FASTEN CONTINUOUS 2X12 EDGE BOARD TO EXTERIOR (LAKE SIDE) 2X12 HEADERS TO ALLOW FOR FASTENING OF COMPOSITE DECK FASCIA. FASTEN FASCIA TO EDGE BOARD PER DETAIL B/26 SIM.
9. AT LOCATIONS WHERE WIDE-FLANGE BEAMS BEAR ON FOUNDATION WALL, ANCHOR BEAMS TO WALL PER DETAIL C/26 TYP. OF (10) LOCATIONS.
10. FASTEN CONTINUOUS DOUBLE 2X12 END JOIST TO ENDS OF STEEL BEAMS WITH 3/8" CARRIAGE BOLTS THROUGH STEEL ANGLES WELDED TO END OF BEAMS. SEE DETAIL B/27.
11. ALL STRUCTURAL STEEL SHALL BE GALVANIZED.
12. ALL BOLTS AND WASHERS SHALL BE GALVANIZED STEEL AND ALL DECKING SCREWS SHALL BE STAINLESS STEEL.
13. ALL LUMBER SHALL BE PRESSURE TREATED.

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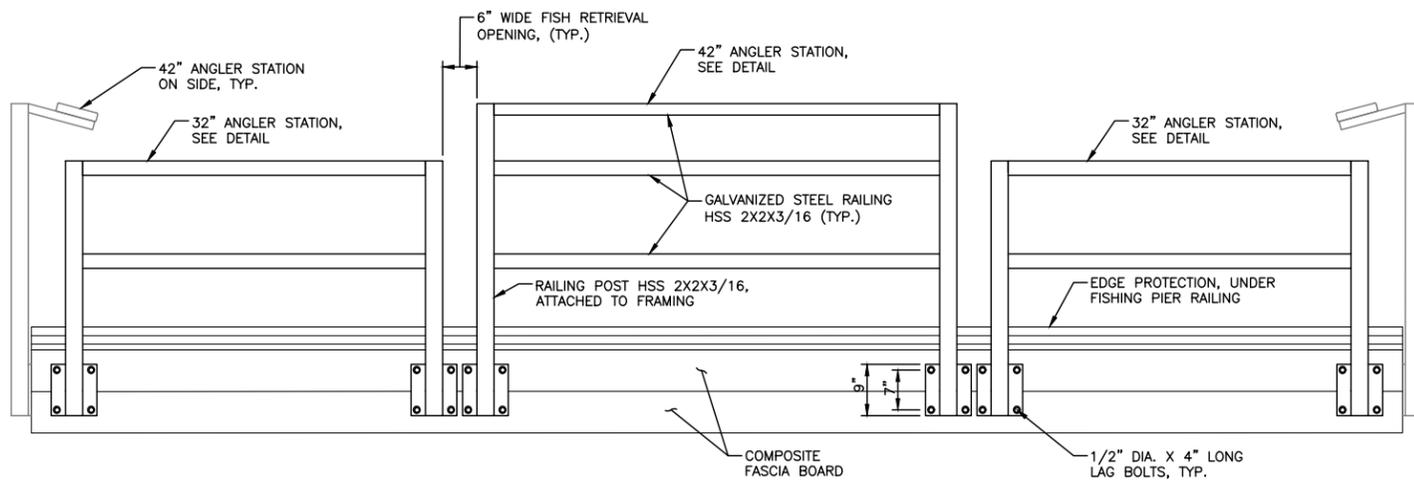
FISHING PIER FOUNDATION AND FRAMING PLAN

BABCOCK COUNTY PARK - LAKE ACCESSIBILITY AND STORMWATER IMPROVEMENTS  
 DANE COUNTY PARKS DIVISION  
 MCFARLAND, WISCONSIN

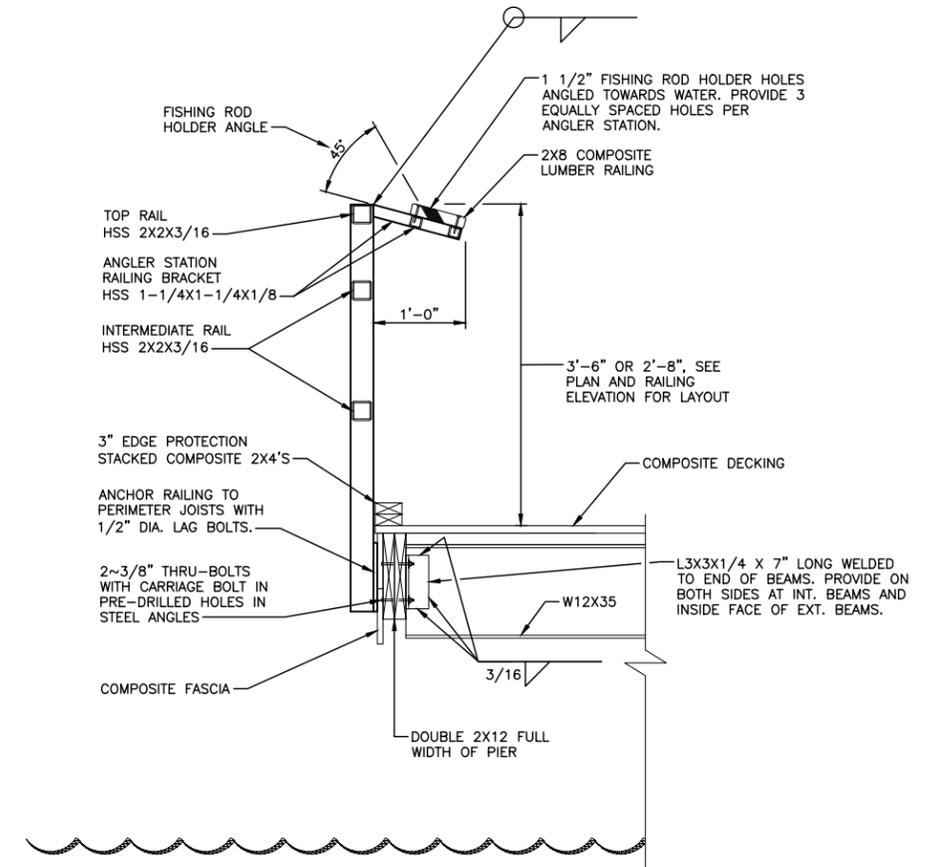
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 PROJECT MGR. ZRS



SHEET 6



A  
27 FISHING PIER RAILING ELEVATION  
NO SCALE



B  
27 FISHING PIER RAILING TYPICAL SECTION  
NO SCALE

FISHING PIER RAILING DETAILS

DATE:					
NO.					
REVISIONS					

FISHING PIER RAILING DETAILS

BARCOCK COUNTY PARK - LAKE ACCESSIBILITY AND STORMWATER IMPROVEMENTS

DANE COUNTY PARKS DIVISION

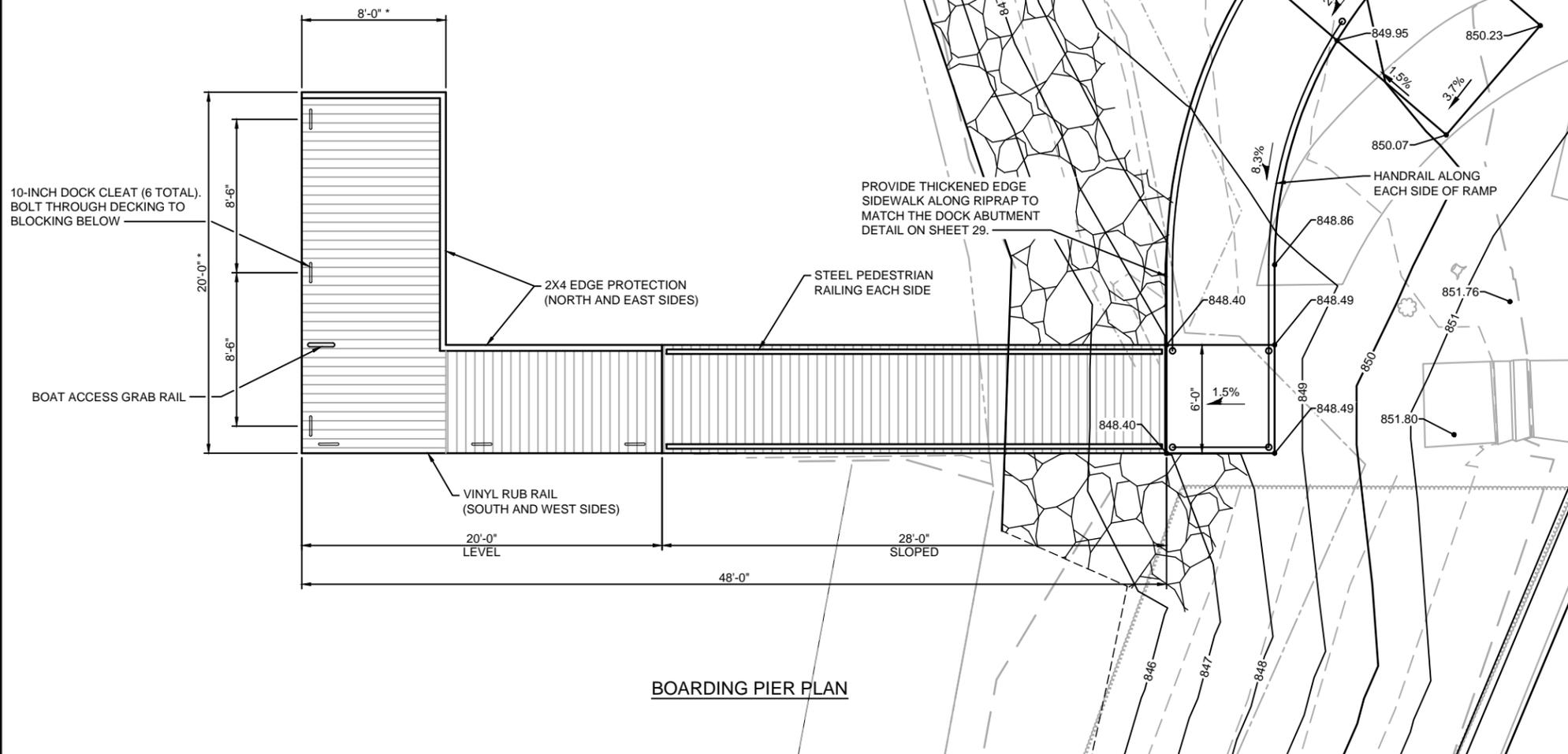
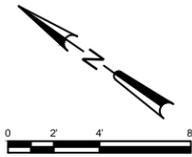
MC FARLAND, WISCONSIN

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4311.003

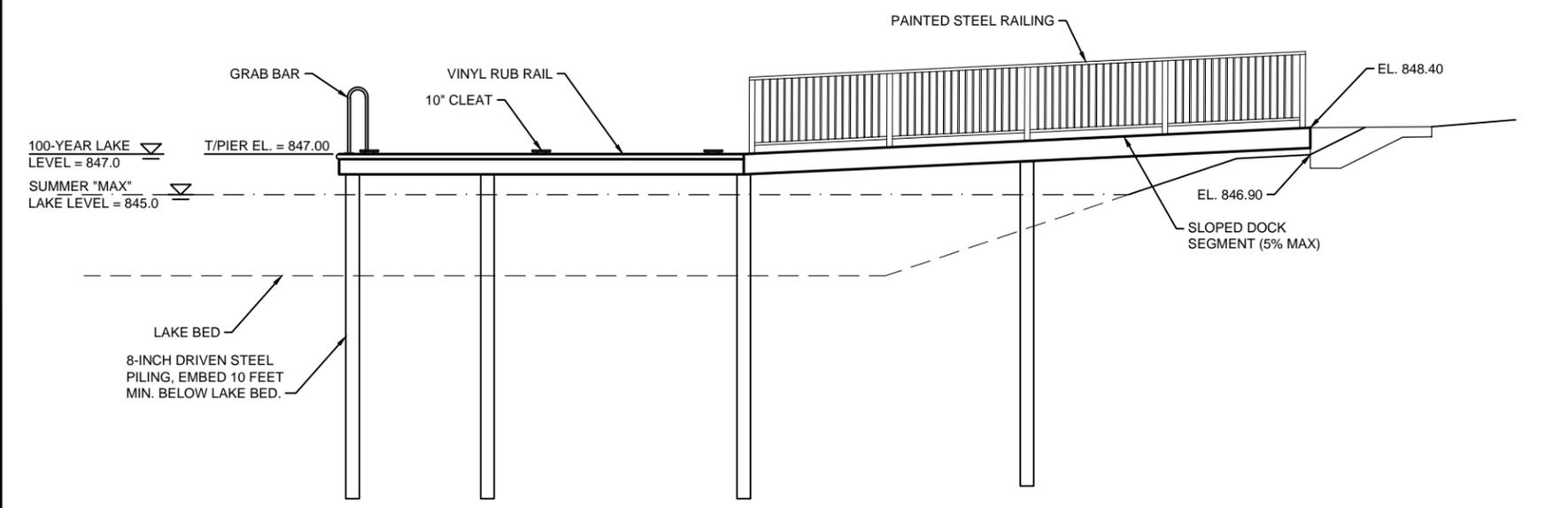
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ZRS



SHEET  
7



**BOARDING PIER PLAN**



**BOARDING PIER ELEVATION**

**GENERAL NOTES:**

1. FASTEN COMPOSITE DECKING PER MANUFACTURERS RECOMMENDATIONS WITH GALVANIZED FASTENERS. PROVIDE GAP BETWEEN BOARDS PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE MARINE GRADE ALUMINUM BOAT ACCESS GRAB RAIL AT THE LOCATION SHOWN.
3. PROVIDE 10-INCH GALVANIZED STEEL DOCK CLEATS AT LOCATIONS SHOWN (6 TOTAL).
4. PROVIDE STEEL RAILING ALONG EACH SIDE OF THE SLOPED SECTION OF PIER. THE RAILING SHALL BE ORNAMENTAL PEDESTRIAN RAILING TO MATCH THE RAILING SPECIFIED FOR THE FISHING PIER. SEE GENERAL NOTE 3 ON SHEET 24.

**LEGEND:**

- \* OUT-TO-OUT DIMENSION FOR FRAMING NOT INCLUDING THE 2X12 SIDE SKIRT. ACTUAL DIMENSION IS 3 INCHES GREATER.

**ACCESSIBLE BOARDING PIER PLAN**

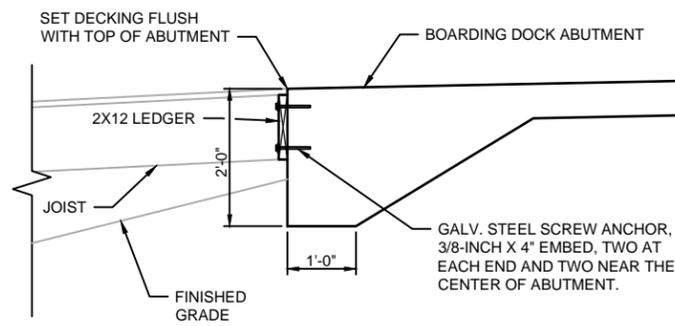
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**BOARDING PIER PLAN**  
 BABCOCK COUNTY PARK - LAKE ACCESSIBILITY AND STORMWATER IMPROVEMENTS  
 DANE COUNTY PARKS DIVISION  
 MCFARLAND, WISCONSIN

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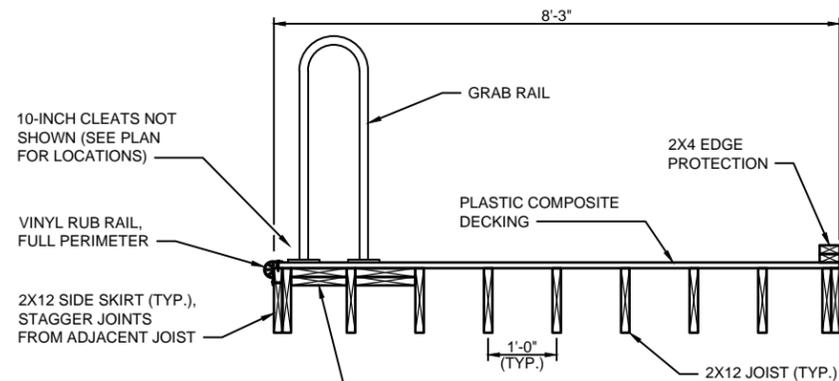


SHEET  
**8**

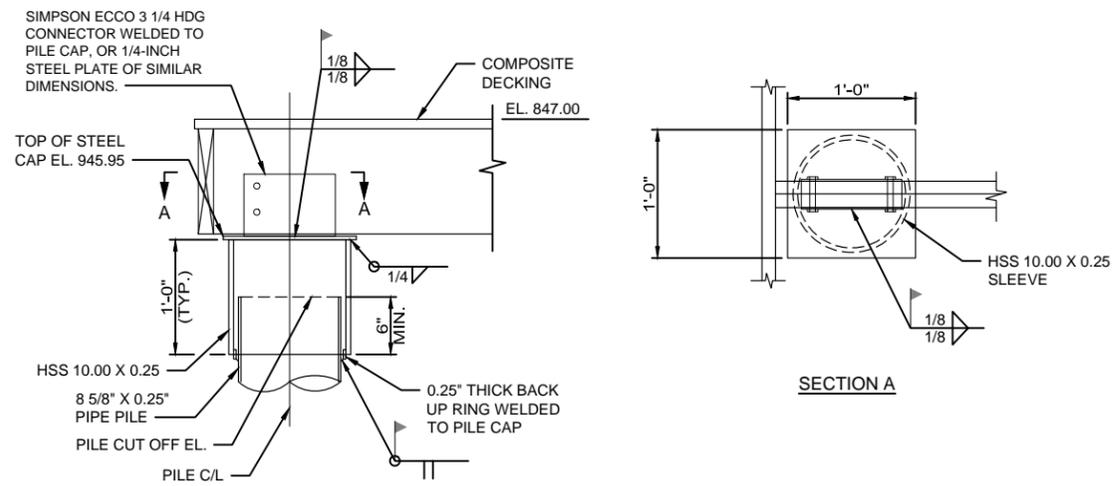


**PIER ABUTMENT - TYPICAL SECTION**

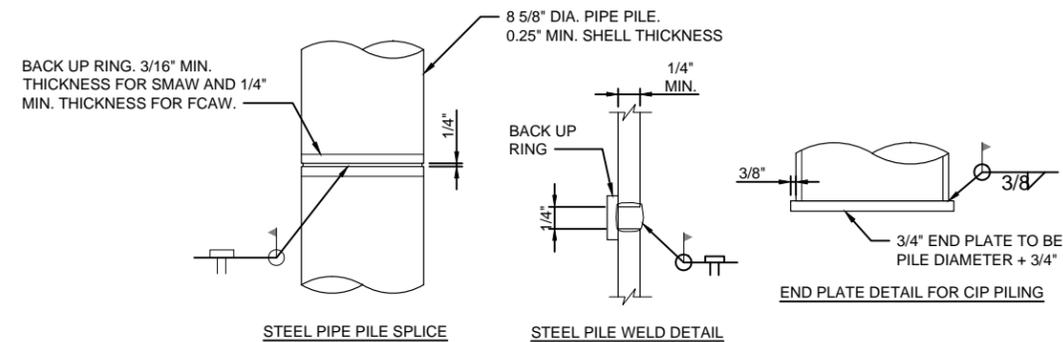
NOTE: EXTEND THE DOCK ABUTMENT CROSS SECTION TO THE NORTH TO PROVIDE A THICKENED EDGE SIDEWALK ALONG THE RIPRAP SLOPE.



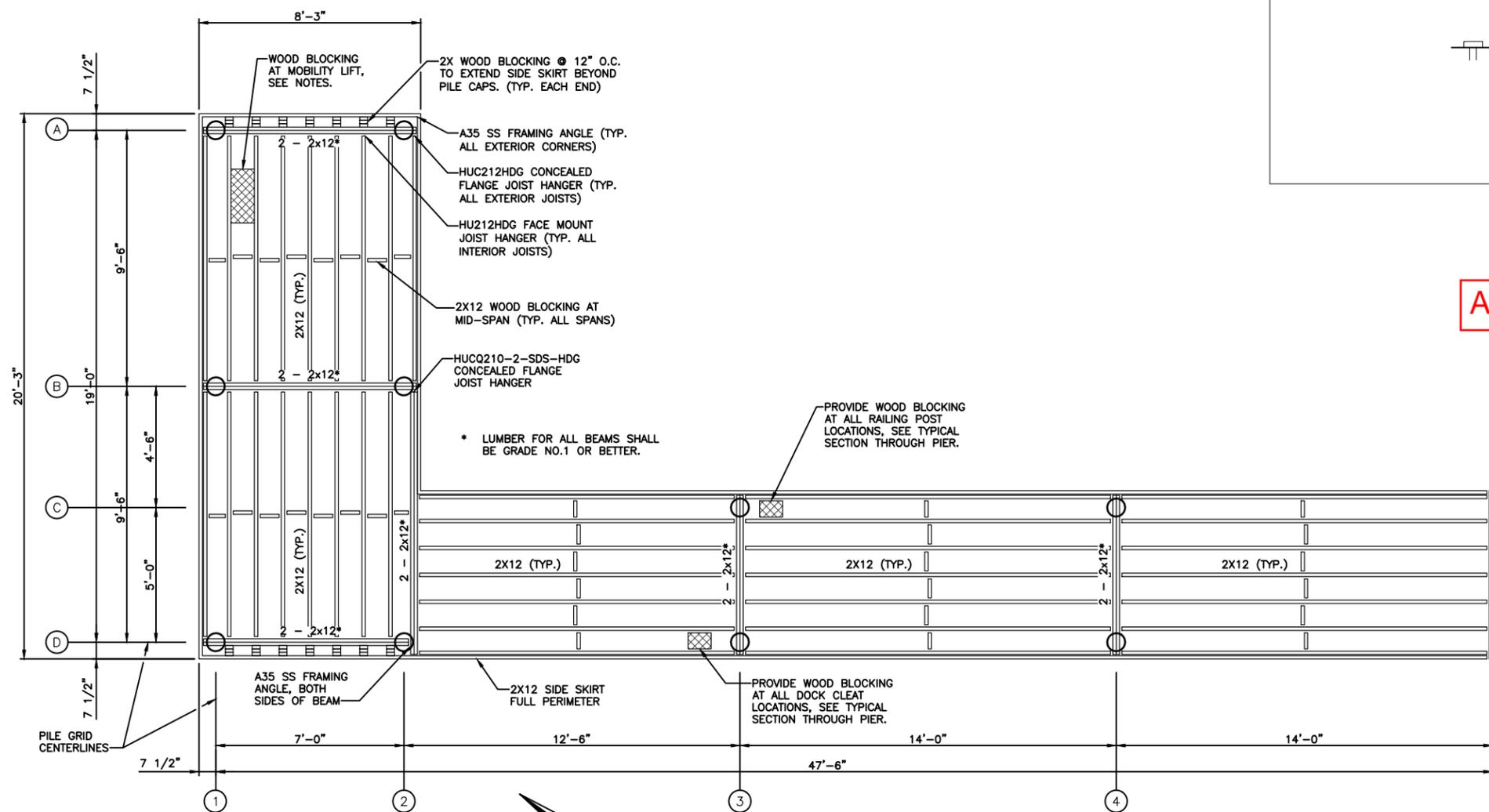
**BOARDING PIER - TYPICAL SECTION**



**PILE CAP DETAIL**



**STEEL PIPE PILE DETAILS**



**BOARDING PIER PLAN**

**ACCESSIBLE BOARDING PIER DETAILS**

**GENERAL NOTES:**

1. JOISTS, BLOCKING AND OTHER LUMBER SHALL BE PRESSURE TREATED SOUTHERN PINE, GRADE NO. 2 PER SPECIFICATIONS. LUMBER FOR ALL BEAMS SHALL BE GRADE NO. 1 OR BETTER.
2. ALL BOLTS, WASHERS, AND OTHER HARDWARE SHALL BE GALVANIZED.
3. STEEL PILE SHELLS AND PILE CAP SHALL BE PAINTED IN ACCORDANCE WITH SECTION 550.3.11.3 OF THE WISDOT STANDARD SPECIFICATIONS. COLOR SHALL BE FLAT BLACK. PAINT PILES FROM 4 FEET BELOW GROUND TO TOP OF PILE INCLUDING PILE CAP.
4. JOIST HANGERS AND CONNECTORS LISTED IN THE CALLOUTS ARE BASED ON SIMPSON STRONG-TIE. EQUIVALENT CONNECTORS FROM MITEK ARE ACCEPTABLE.
5. ALL FRAMING CONNECTIONS AND NAILING SHALL BE IN ACCORDANCE WITH THE WISCONSIN BUILDING CODE.
6. PROVIDE WOOD BLOCKING AT MID-SPAN OF ALL JOISTS AND BELOW ALL ACCESSORIES ATTACHED TO DECKING AS SHOWN ON THE PLAN. FASTEN BLOCKING TO JOISTS WITH (3) 10D TOE-NAILS AT EACH END.
7. PROVIDE BLOCKING FOR MOBILITY LIFT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

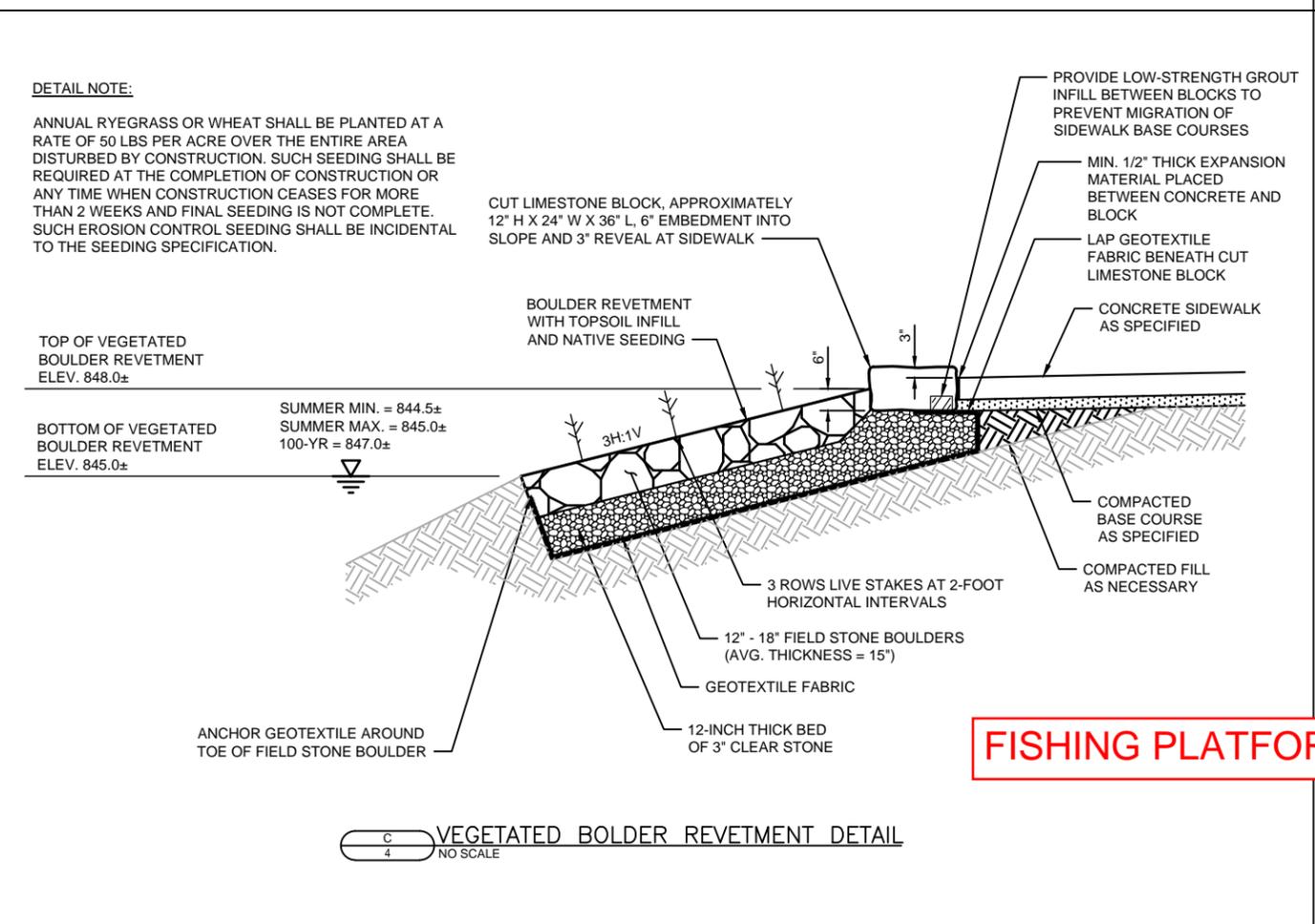
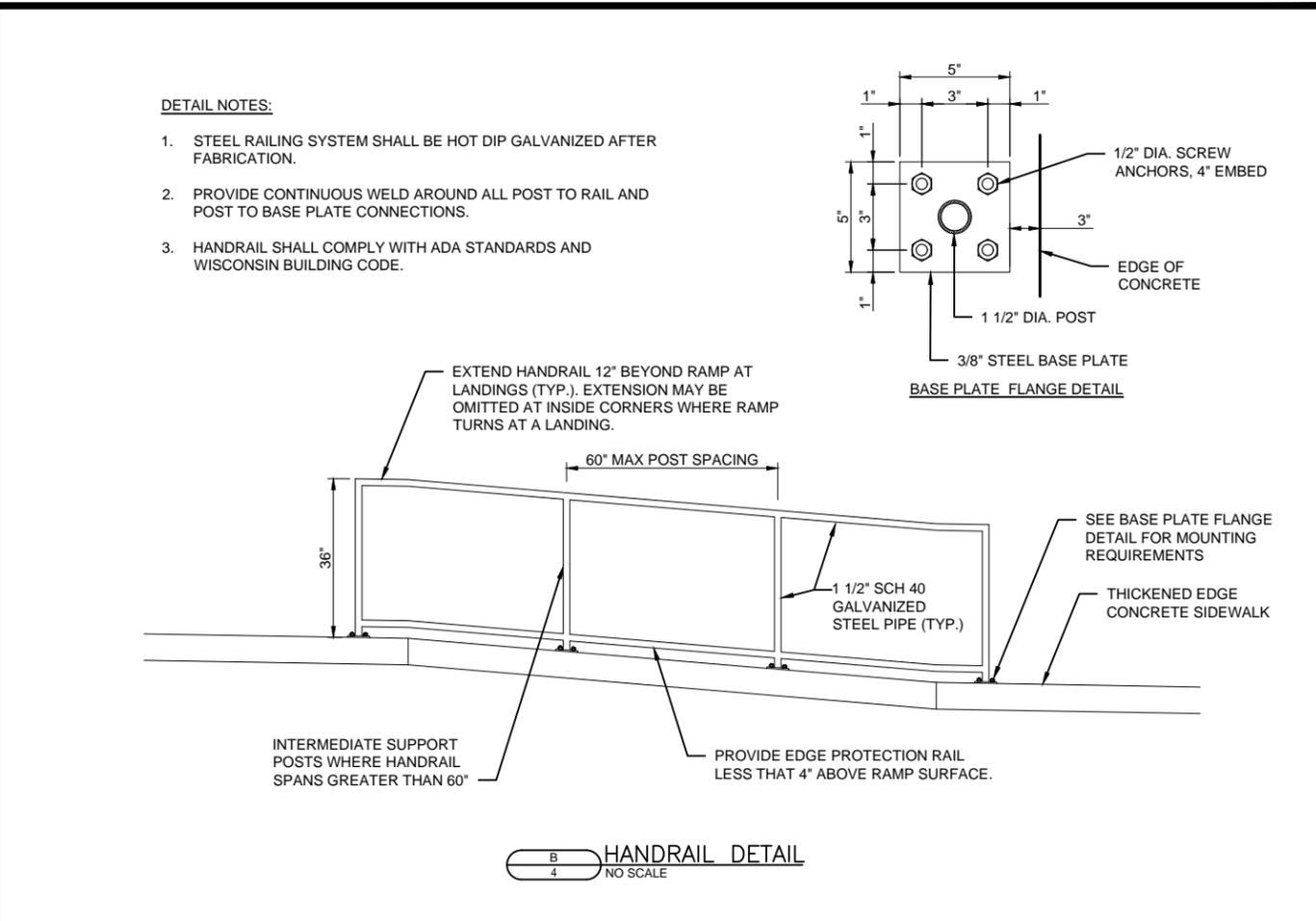
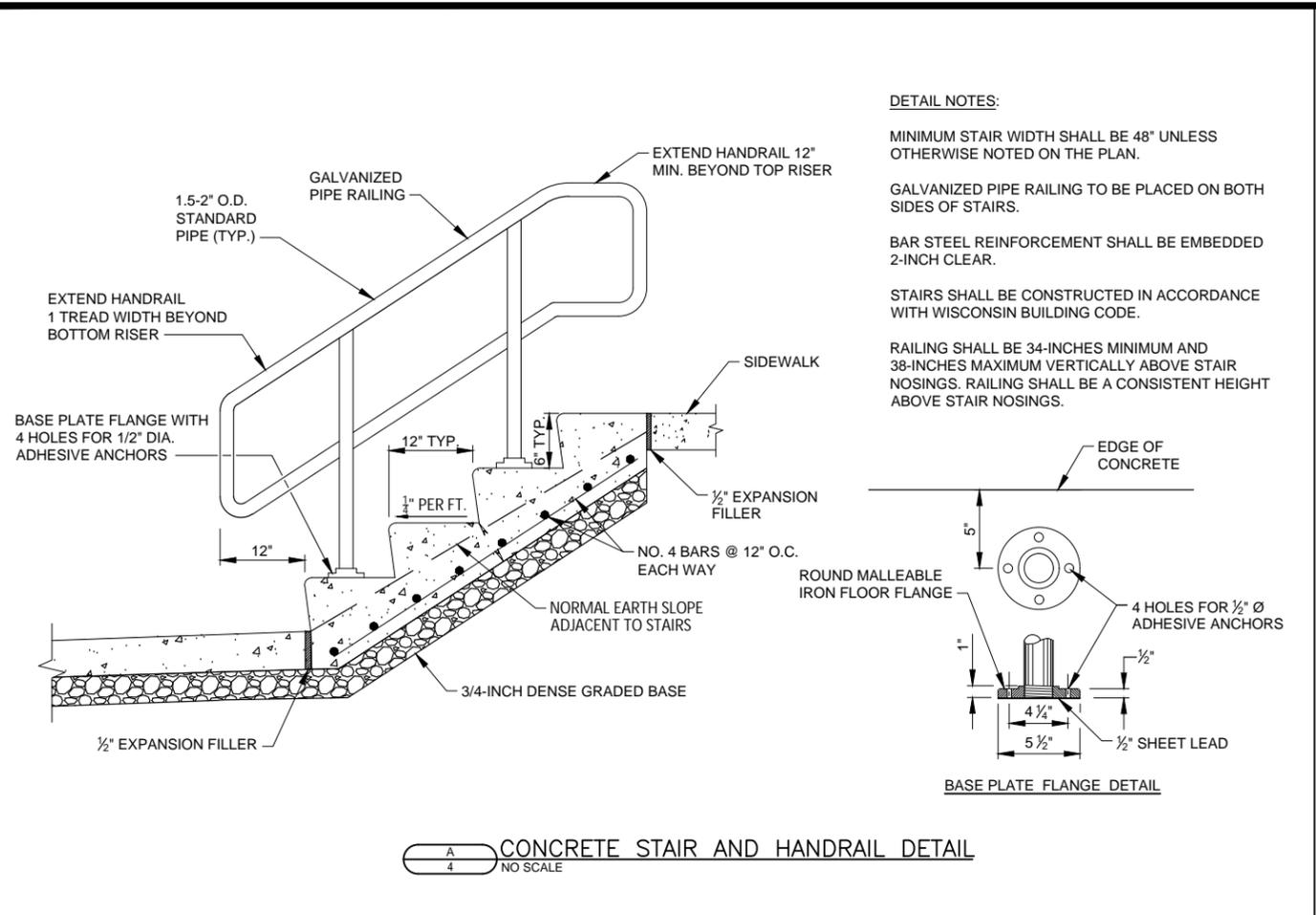
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**BOARDING PIER FRAMING PLAN**  
 BABCOCK COUNTY PARK - LAKE ACCESSIBILITY AND STORMWATER IMPROVEMENTS  
 DANE COUNTY PARKS DIVISION  
 MCFARLAND, WISCONSIN

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SHEET  
**9**



DATE:	
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SITE DETAILS AND SECTIONS	
BABCOCK COUNTY PARK - LAKE ACCESSIBILITY AND STORMWATER IMPROVEMENTS DANE COUNTY PARKS DIVISION MCFARLAND, WISCONSIN	
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<b>SA</b> <b>STRAND</b> ASSOCIATES®	
SHEET	10