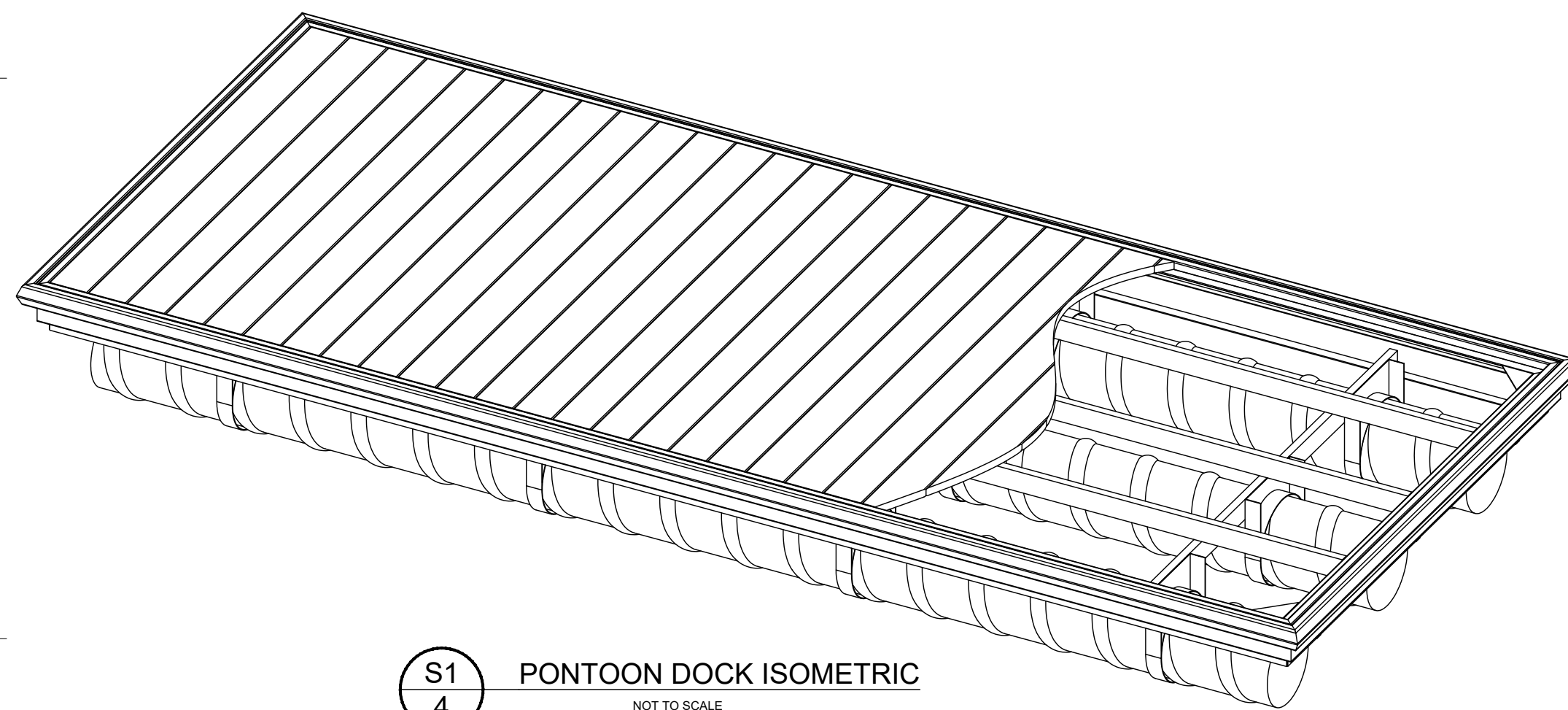
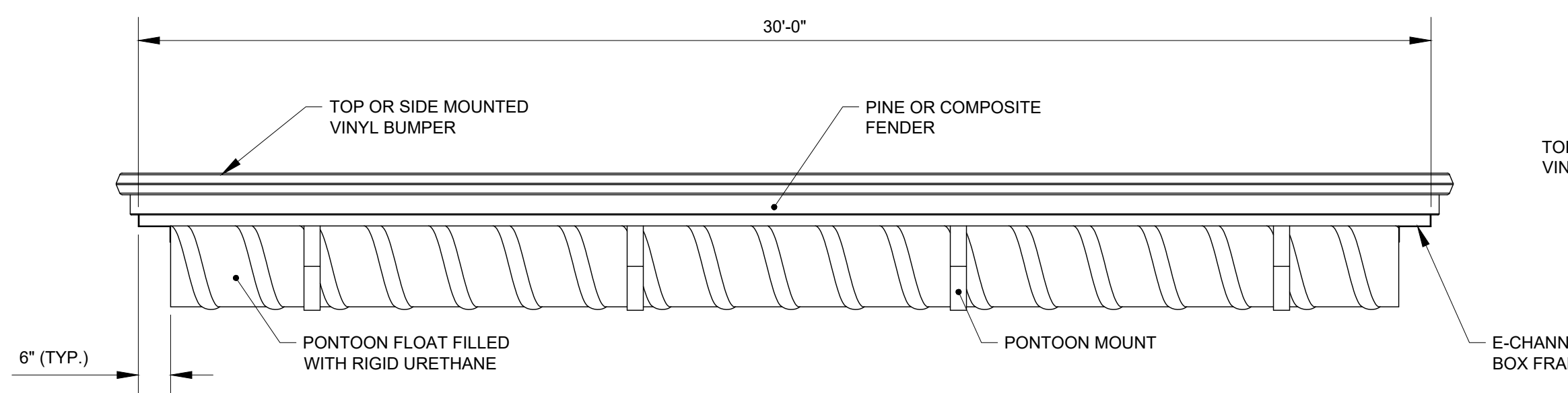


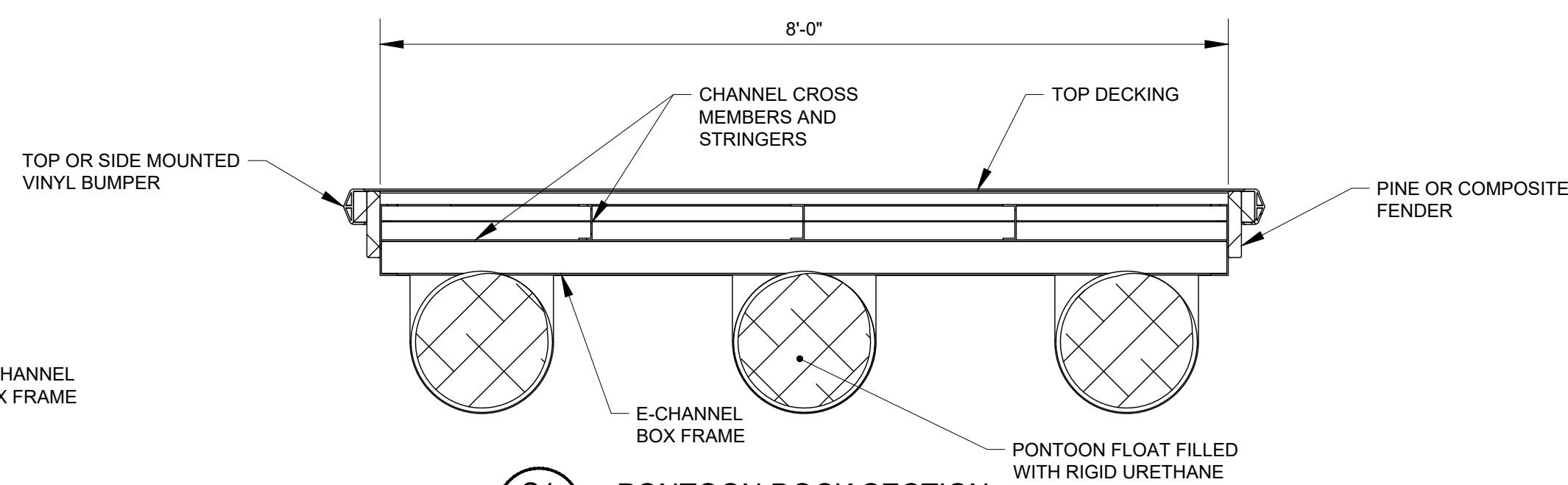
**S1 1**  
PONTON DOCK PLAN  
NOT TO SCALE



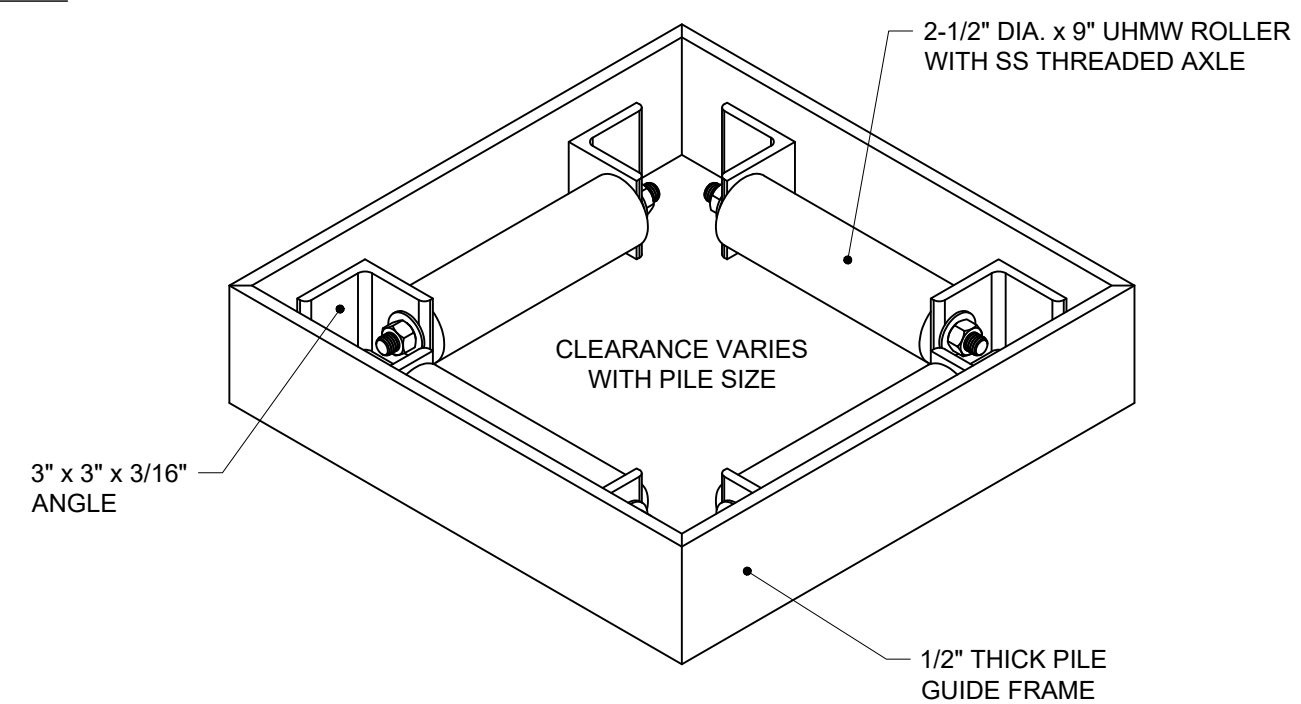
**S1 4**  
PONTON DOCK ISOMETRIC  
NOT TO SCALE



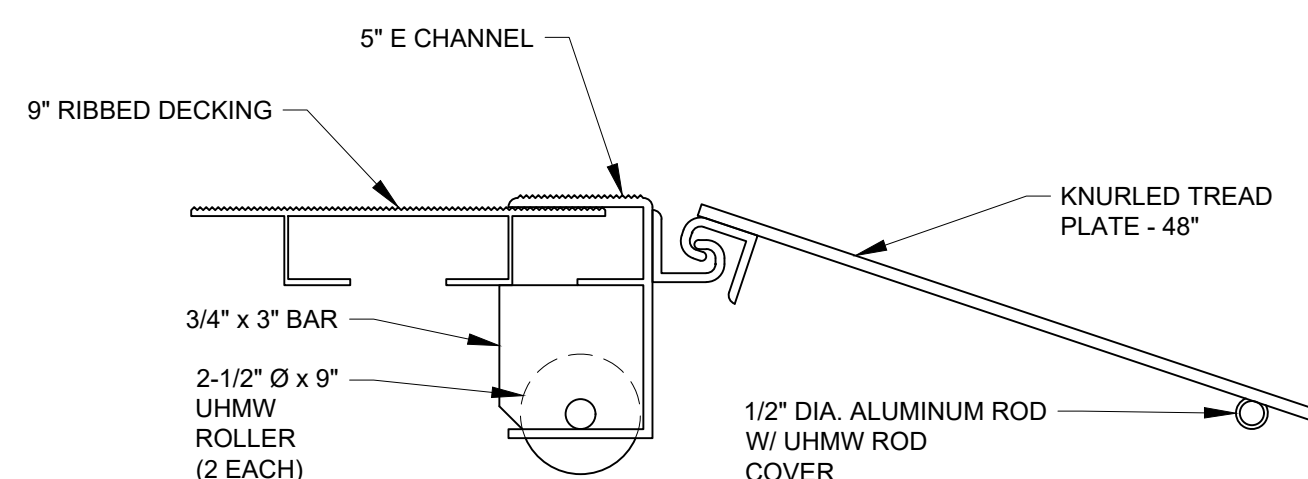
**S1 2**  
PONTON DOCK ELEVATION  
NOT TO SCALE



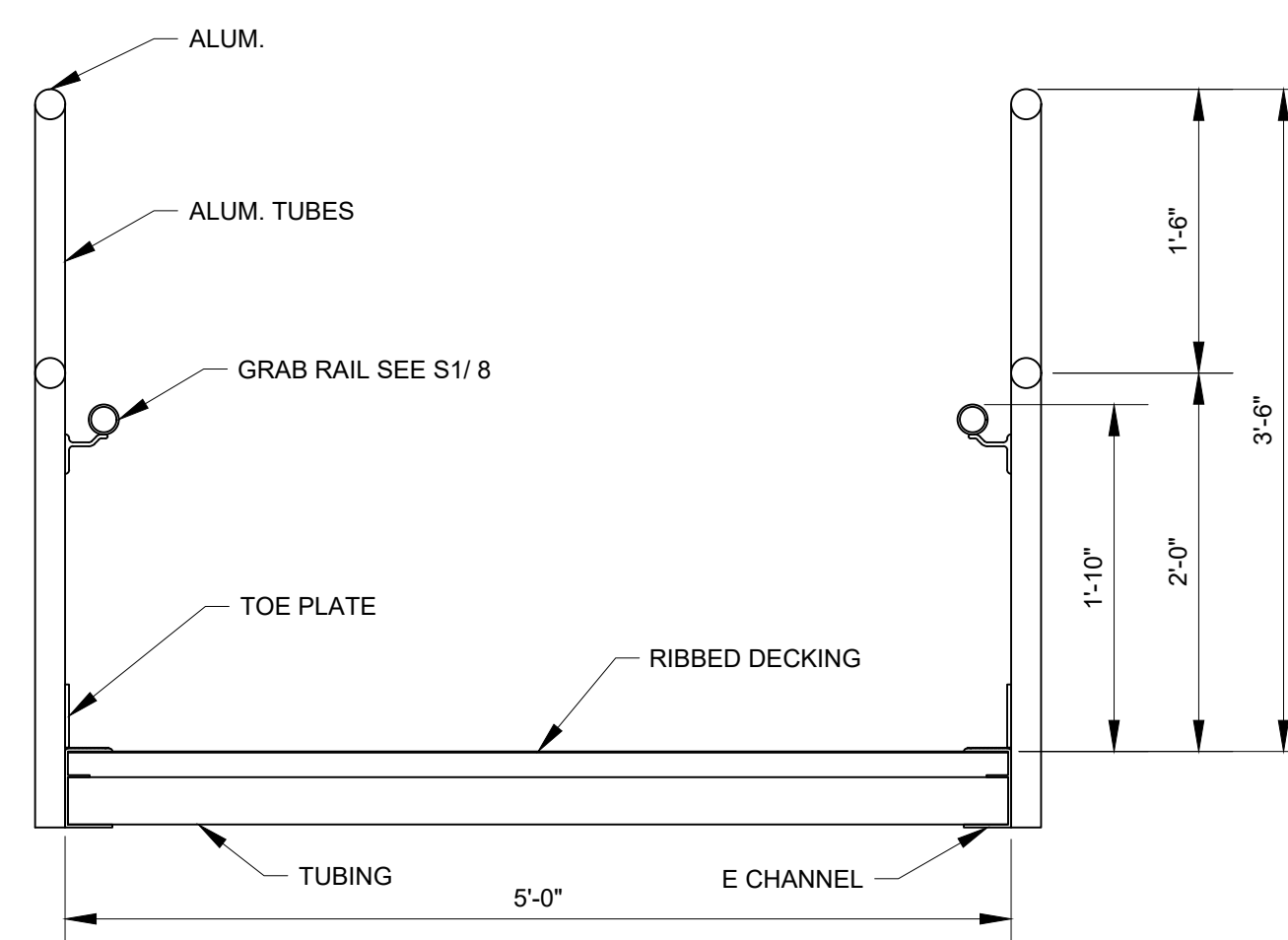
**S1 3**  
PONTON DOCK SECTION  
NOT TO SCALE



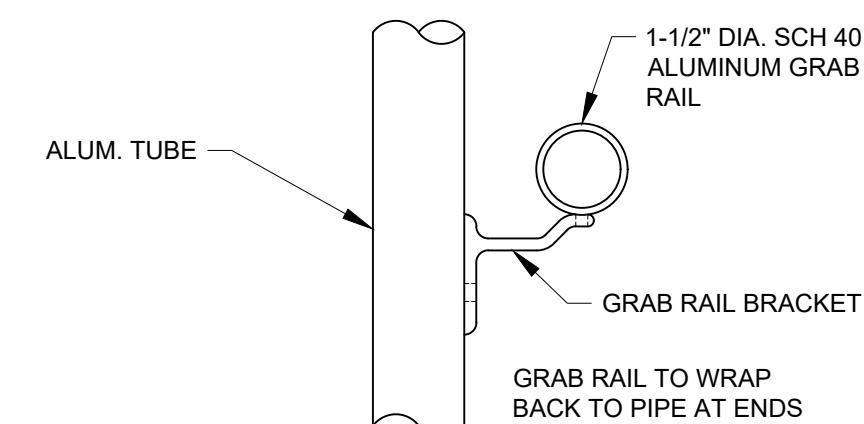
**S1 5**  
4-ROLLER INTERNAL PILE GUIDE  
NOT TO SCALE



**S1 6**  
TREAD PLATE END DETAIL  
SCALE: 3" = 1'-0"



**S1 7**  
TYPICAL GANGWAY CROSS SECTION  
SCALE: 1" = 1'-0"



**S1 8**  
GRAB RAIL DETAIL  
SCALE: 3" = 1'-0"

**GENERAL DESIGN NOTES:**

1. THE DESIGN LIVE LOAD FOR THE GANGWAY, LANDINGS, AND FLOATING DOCK SHALL BE 30 PSF (PREVIOUS NOTE STATED 50).
2. THE FLOATING DOCK SHALL BE THE PONTON TYPE WITH FLOATATION UNITS CONSISTING OF MARINE GRADE ALUMINUM CULVERTS WITH A POLYURETHANE CORE.
3. DOCK FLOATATION SHALL BE SUFFICIENT TO MAINTAIN A STABLE DECK SURFACE 18 INCHES ABOVE THE WATER SURFACE.
4. THE LAYOUT SHOWN ON THE DRAWINGS ARE THE MINIMUM REQUIREMENTS. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS FOR FINAL APPROVAL, SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS SHALL DEPICT ALL DETAILS AND MATERIALS REQUIRED FOR THE COMPLETE INSTALLATION OF THE GANGWAY, LANDINGS, AND FLOATING DOCK INCLUDING ALL MISCELLANEOUS ITEMS SUCH AS FENDERS, BUMPERS, CLEATS, RAILINGS, PILES, AND PILE GUIDES.

**STRUCTURAL ALUMINUM NOTE SPECIFICATIONS:**

1. STRUCTURAL ALUMINUM DESIGN AND FABRICATION SHALL BE IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION, INC. "SPECIFICATIONS FOR ALUMINUM STRUCTURES", LATEST EDITION.
2. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE - ALUMINUM" AWS D1.2.
3. ALUMINUM STRUCTURAL SHAPES SHALL BE NEW AND CONSIST OF ALLOY 6061-T6 CONFORMING TO THE REQUIREMENTS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM) STANDARD B308.
4. ALUMINUM BARS, RODS, AND WIRE SHALL BE NEW AND CONSIST OF ALLOY 6061-T6 CONFORMING TO THE REQUIREMENTS OF ASTM STANDARD B211.
5. ALUMINUM PLATE SHALL BE NEW AND CONSIST OF ALLOY 5052-H32 CONFORMING TO THE REQUIREMENTS OF ASTM STANDARD B209.
6. ALL BOLTS, NUTS, AND WASHERS SHALL CONSIST OF SS316 STAINLESS STEEL CONFORMING TO THE REQUIREMENTS OF ASTM STANDARDS F593 AND F594.
7. ALL WELDING SHALL UTILIZE ER4043 FILLER ALLOY AND SHALL BE SHOP WELDED TO THE GREATEST EXTENT POSSIBLE.
8. THE MINIMUM THICKNESS OF ALL CONNECTION ANGLES AND GUSSET PLATES SHALL BE 1/4-INCH UNLESS NOTED OTHERWISE.
9. FIELD CORRECTING OF FABRICATED COMPONENTS SHALL NOT BE PERMITTED ON STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
10. ALUMINUM NON-SLIP DECKING SHALL CONSIST OF ALUMINUM ALLOY 6061-T6.
11. THE HANDRAIL POSTS AND RAILS SHALL BE MINIMUM 1-1/2 INCH DIAMETER SCHEDULE 40 PIPE (UNLESS OTHERWISE NOTED) FORMED FROM EXTRUDED 6063-T6 ALUMINUM EXCEPT THAT FORMED ELBOWS SHALL BE 6063-T4 ALUMINUM. THE MAXIMUM POST SPACING SHALL BE 6'-0" CENTER TO CENTER.

**30% DRAWINGS  
FOR REVIEW ONLY  
NOT FOR CONSTRUCTION**

NO.	REVISION	BY	DATE	APPROVED	DATE

UPPER ST. JOHNS RIVER BASIN  
S-96D FLOATING DOCK  
INDIAN RIVER COUNTY, FLORIDA

ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: FEBRUARY 16, 2023 REVIEWER: E.C.B.  
SCALE: AS NOTED DESIGNER: E.C.B. SECTION CHIEF: \_\_\_\_\_

FLOATING DOCK AND  
GANGWAY DETAILS

CERTIFICATION:  
**DRAFT**  
ELWIN C. BOYNTON JR.  
P.E. NUMBER: 57042  
DATE: FEBRUARY 16, 2023

FILE NAME:  
S-96D FD DETAILS.dwg  
PROJECT NO.:  
SHEET:  
S1