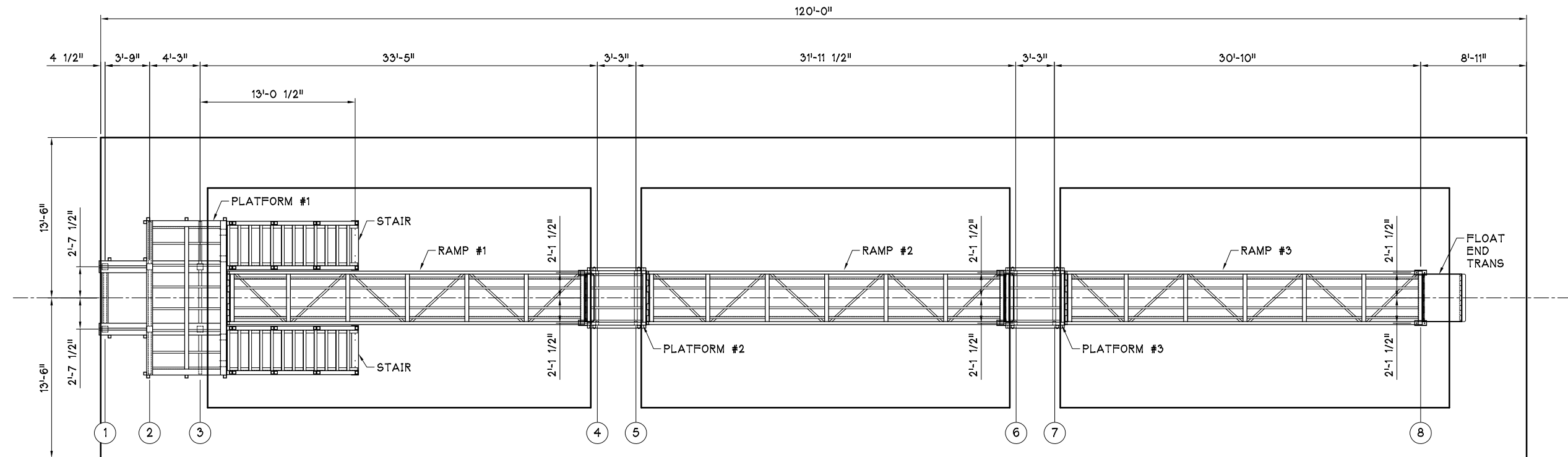


# PLATFORMS AND RAMPS PLAN AND ELEVATION



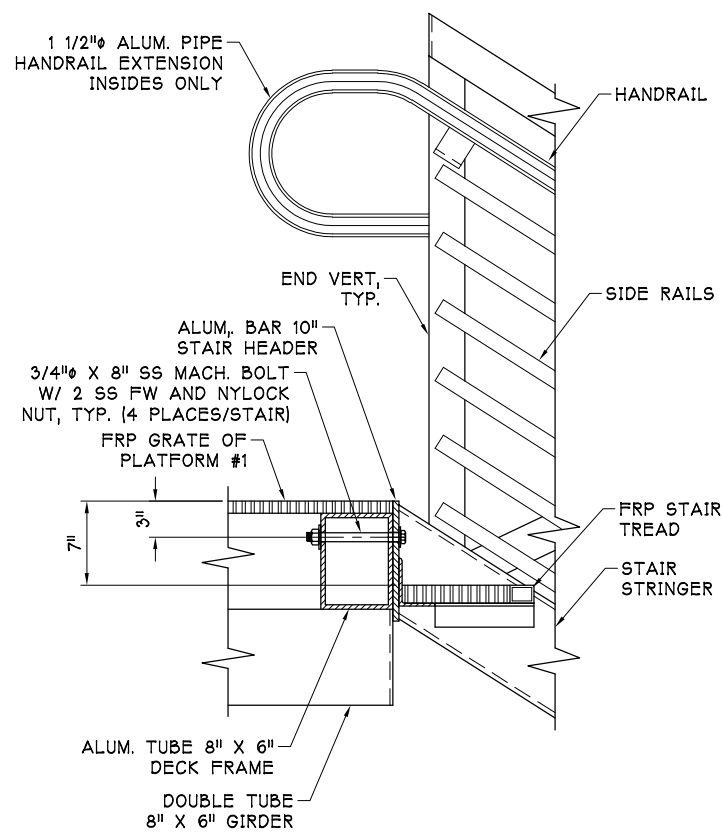
2942-ANNAPOLIS FERRY/ANNAPOLIS.DWG  
06 NOVEMBER 2019



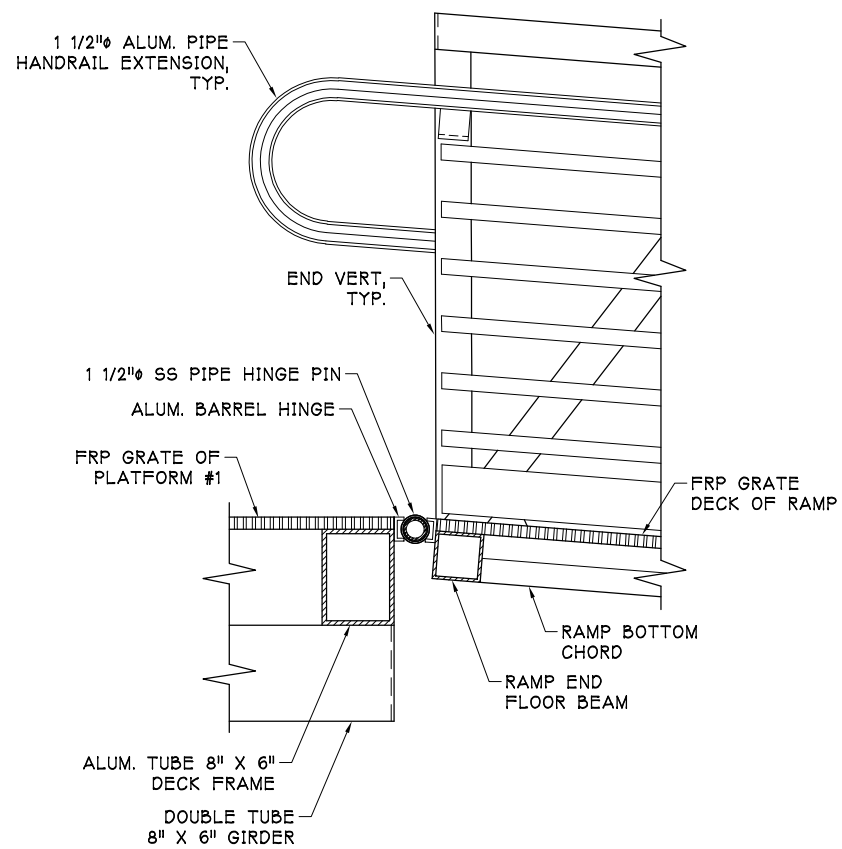
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

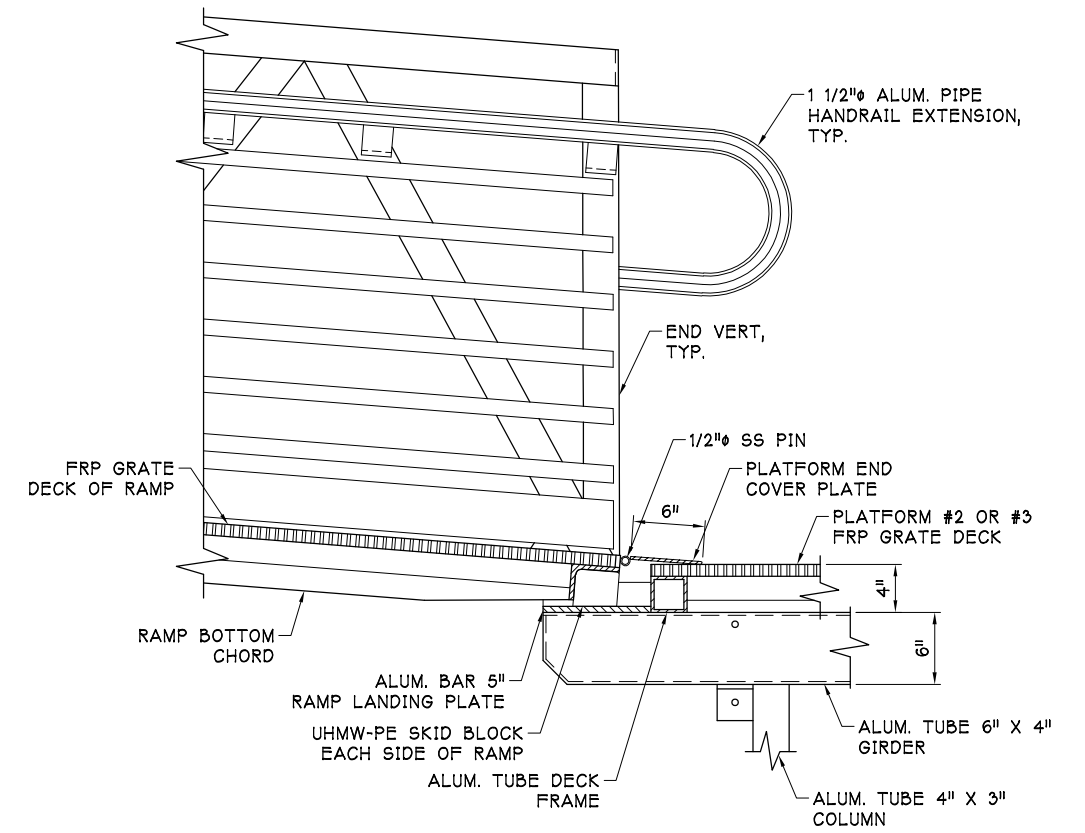
|                                                  |              |               |                |
|--------------------------------------------------|--------------|---------------|----------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |               |                |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |               |                |
| SCALE:                                           | APPROVED BY: | DRAWN BY: KDL |                |
| DATE: NOV '19                                    |              | REVISED:      |                |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE   |              |               | DRAWING NUMBER |
| PLATFORMS AND RAMPS<br>PLAN AND ELEVATION        |              |               | 1 OF 11        |



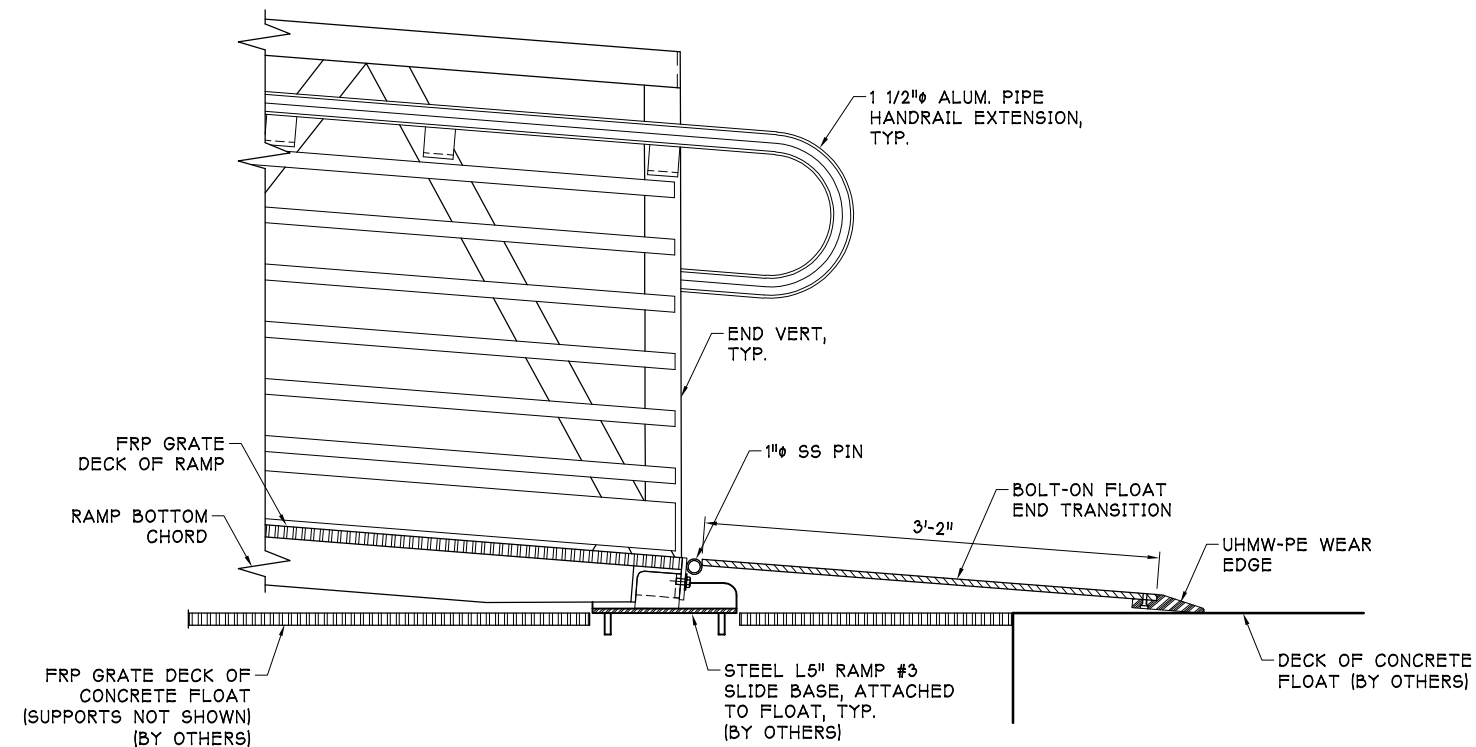
GANGWAY LUG END ASSEMBLY



ALL RAMP HINGE END ASSEMBLY



RAMP #1 AND #2 PLATFORM END ASSEMBLY



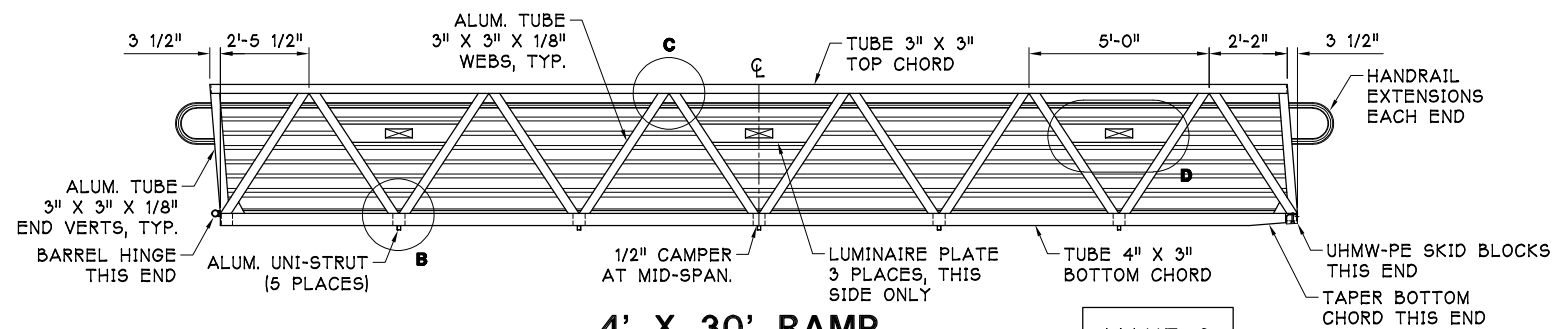
RAMP #3 FLOAT END ASSEMBLY



MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

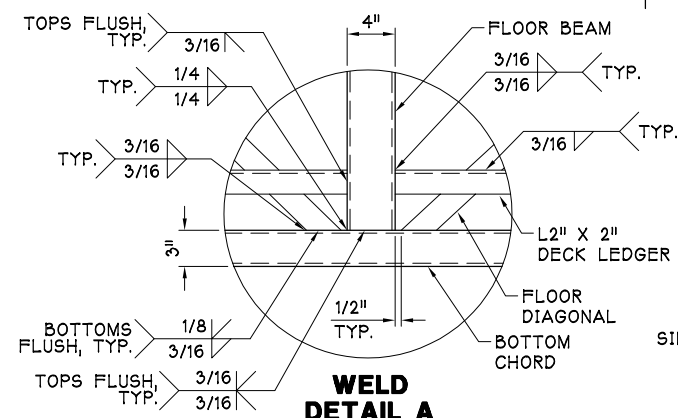
06 NOV 19

|                                                  |              |               |                |
|--------------------------------------------------|--------------|---------------|----------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |               |                |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |               |                |
| SCALE:                                           | APPROVED BY: | DRAWN BY: KDL |                |
| DATE: NOV 19                                     |              | REVISED:      |                |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE   |              |               | DRAWING NUMBER |
| PLATFORMS AND FIXED RAMP<br>PLAN AND ELEVATION   |              |               | 2 OF 11        |

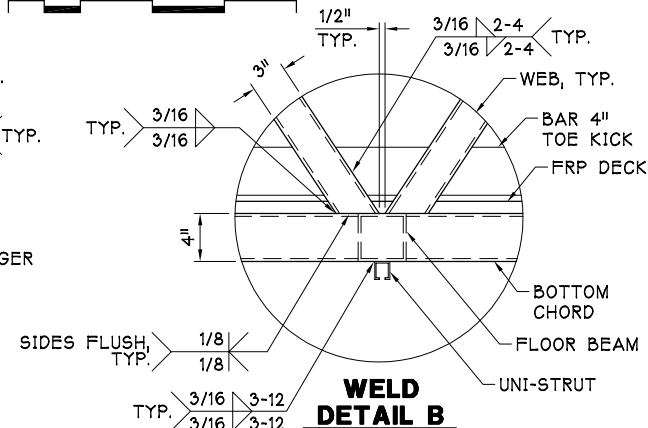


## 4' X 30' RAMP PLAN AND ELEVATION

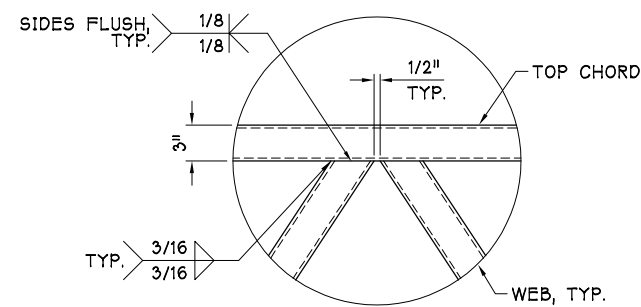
MAKE 3



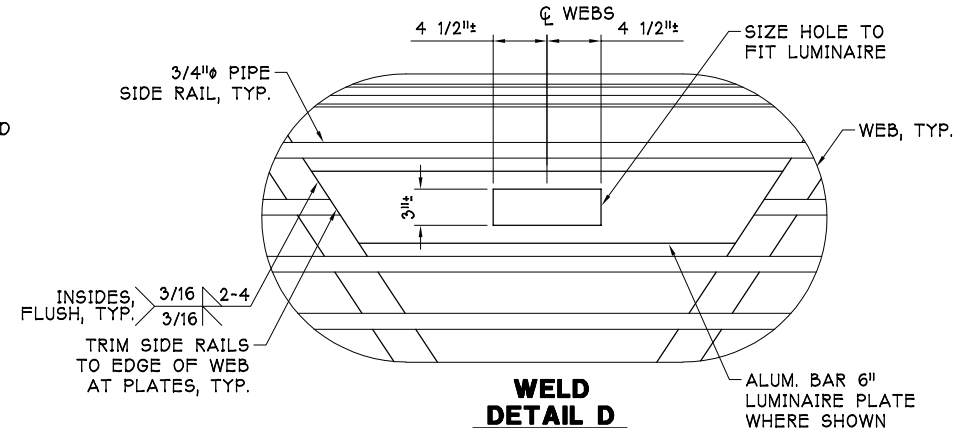
**WELD  
DETAIL A**



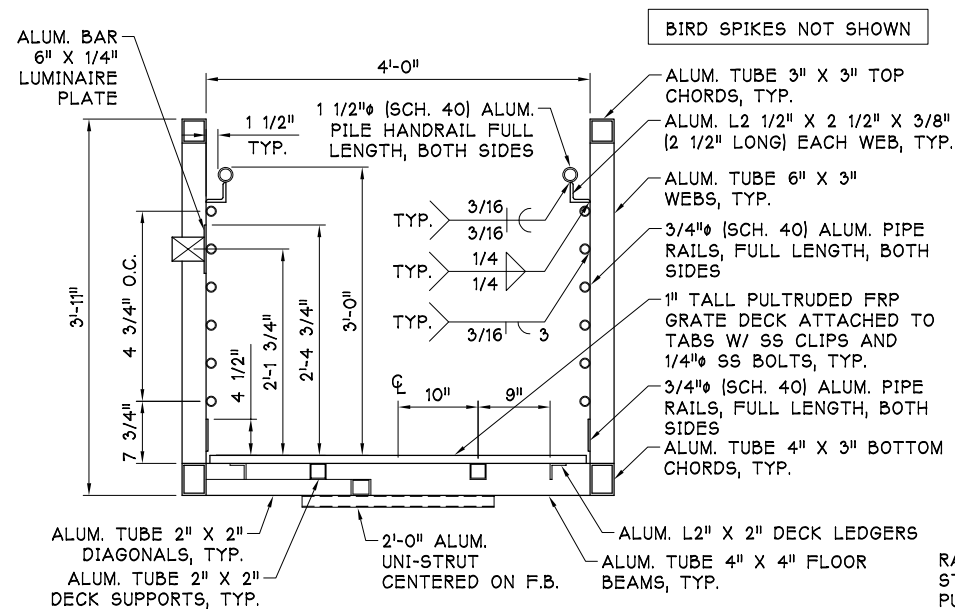
**WELD  
DETAIL B**



## WELD DETAIL C

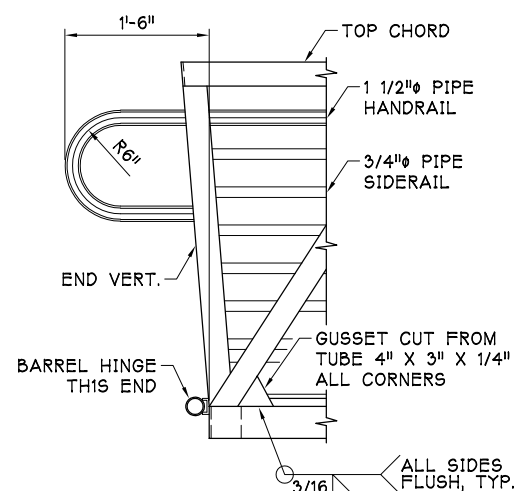


## WELD DETAIL D

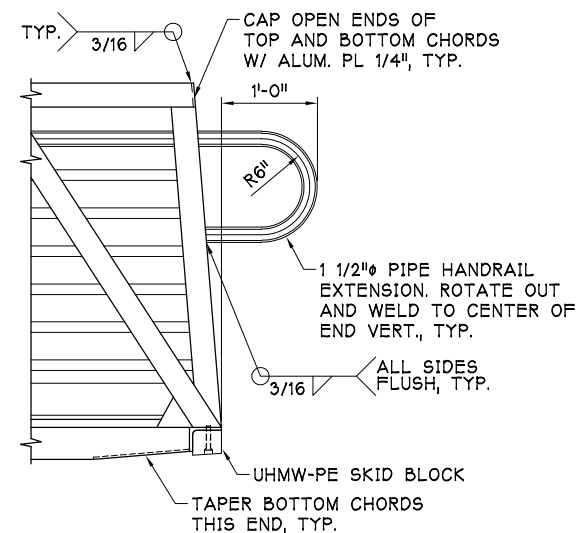


### RAMP CROSS SECTION

## LOOKING UPHILL



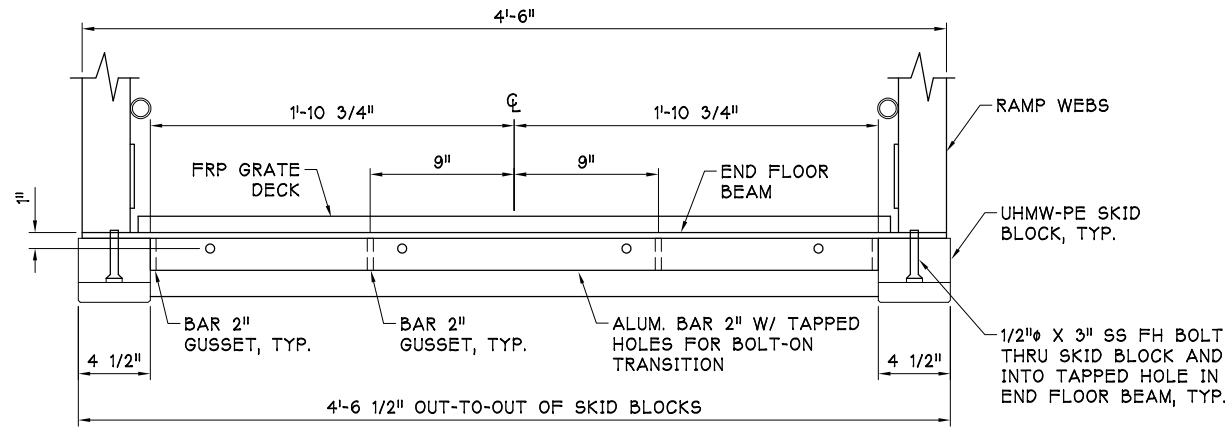
## RAMP TRUSS ENDS



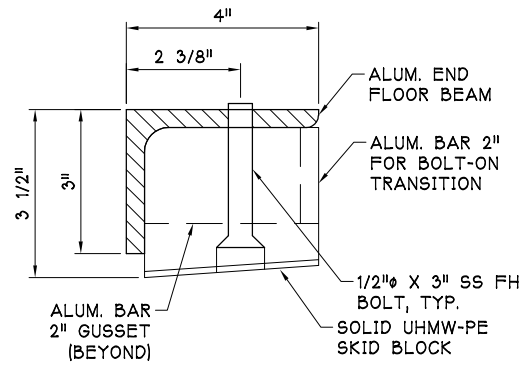
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

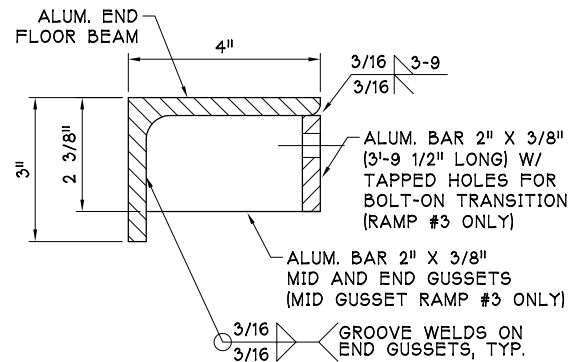
|                                             |              |  |                   |  |
|---------------------------------------------|--------------|--|-------------------|--|
| <b>MANTLE INDUSTRIES, LLC.</b>              |              |  | PH (360) 332-5276 |  |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230 |              |  |                   |  |
| SCALE:                                      | APPROVED BY: |  | DRAWN BY: KDL     |  |
| DATE: OCT '19                               |              |  | REVISED:          |  |
| KITSAP TRANSIT                              |              |  |                   |  |
| ANNAPOLIS FERRY DOCK UPGRADE                |              |  |                   |  |
| 4' X 30' ALUMINUM RAMP                      |              |  | DRAWING NUMBER    |  |
| PLAN, ELEVATION, SECTION & DETAILS          |              |  | 3 OF 11           |  |



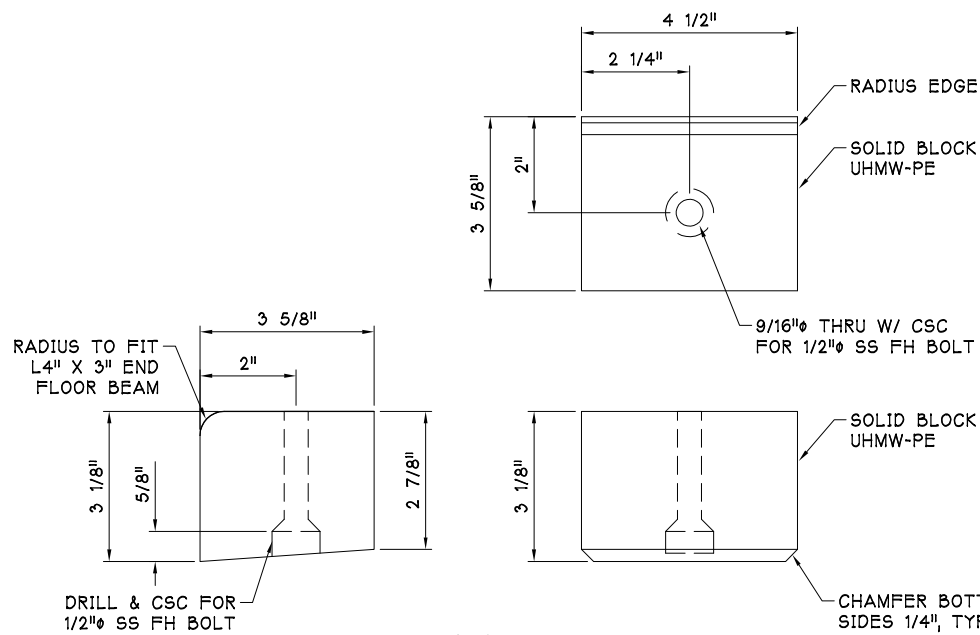
RAMP TRANSITION END ASSY  
(RAMP 3 ONLY)



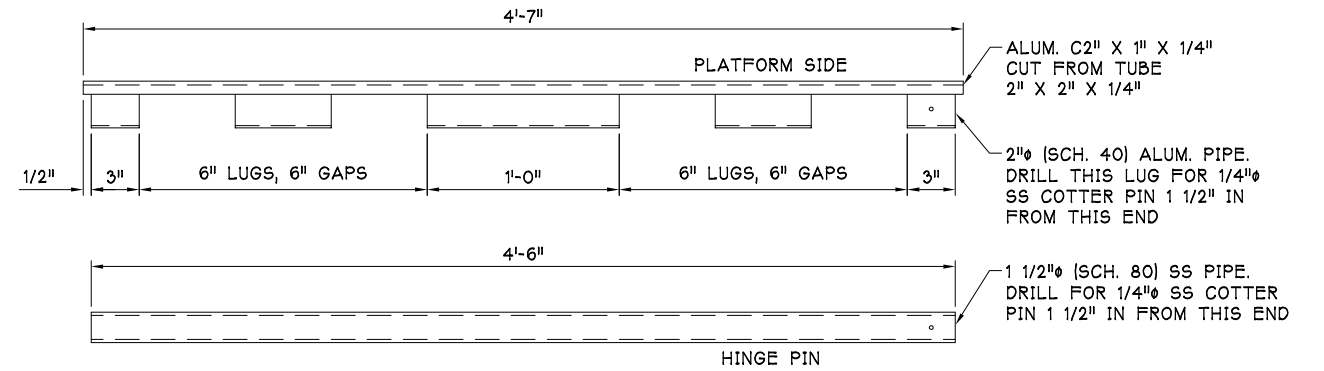
SKID BLOCK ASSY



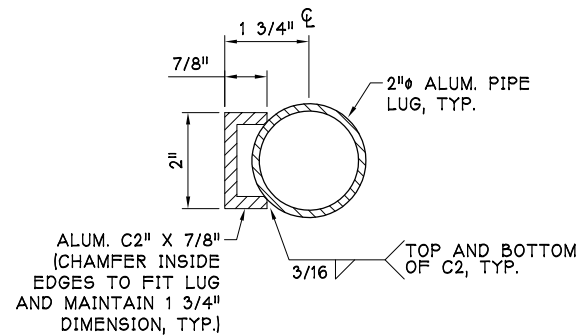
END FLOOR BEAM SECTION



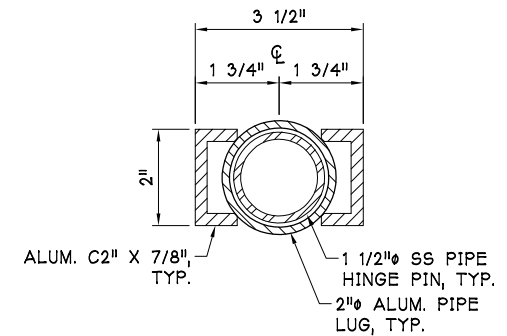
SKID BLOCK  
MAKE 6



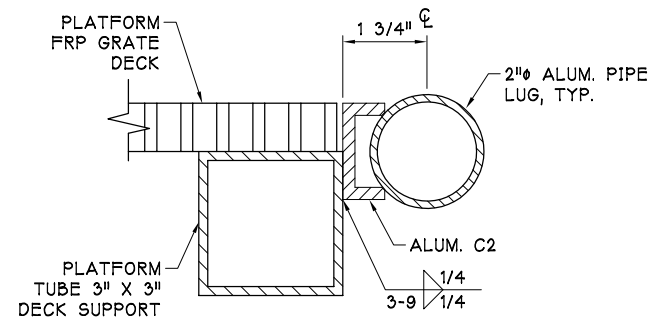
RAMP BARREL HINGE  
(ALL 3 RAMPS)



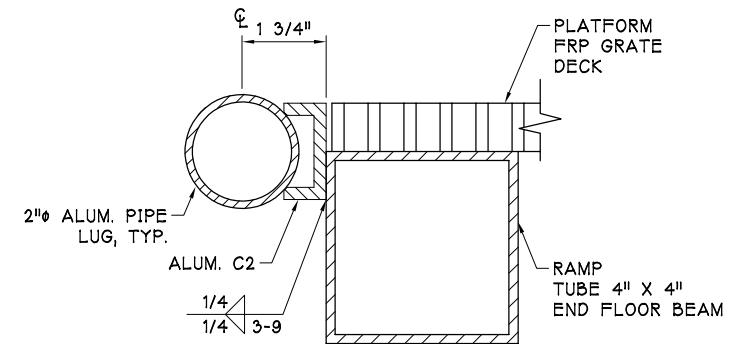
HALF HINGE SECTION



HINGE ASSY SECTION



PLATFORM HINGE SECTION



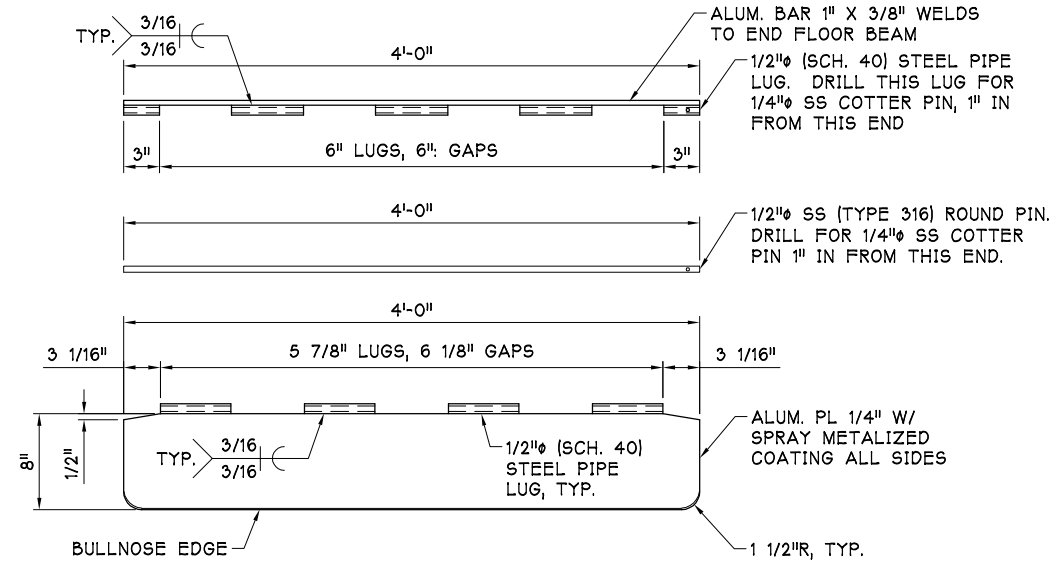
RAMP HINGE SECTION



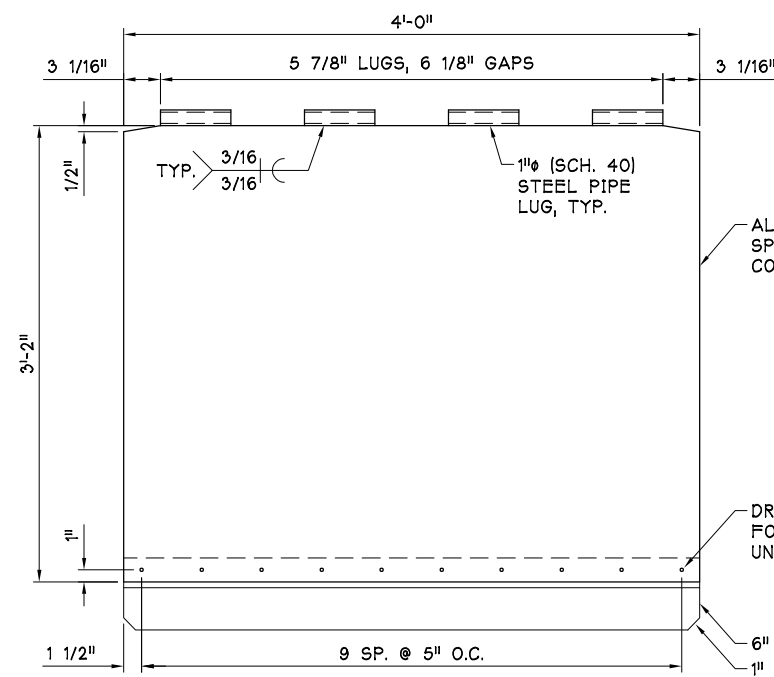
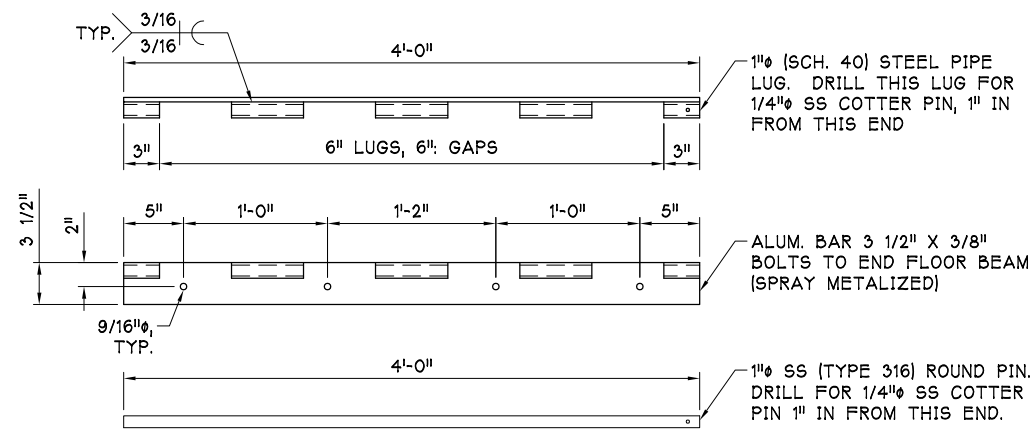
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

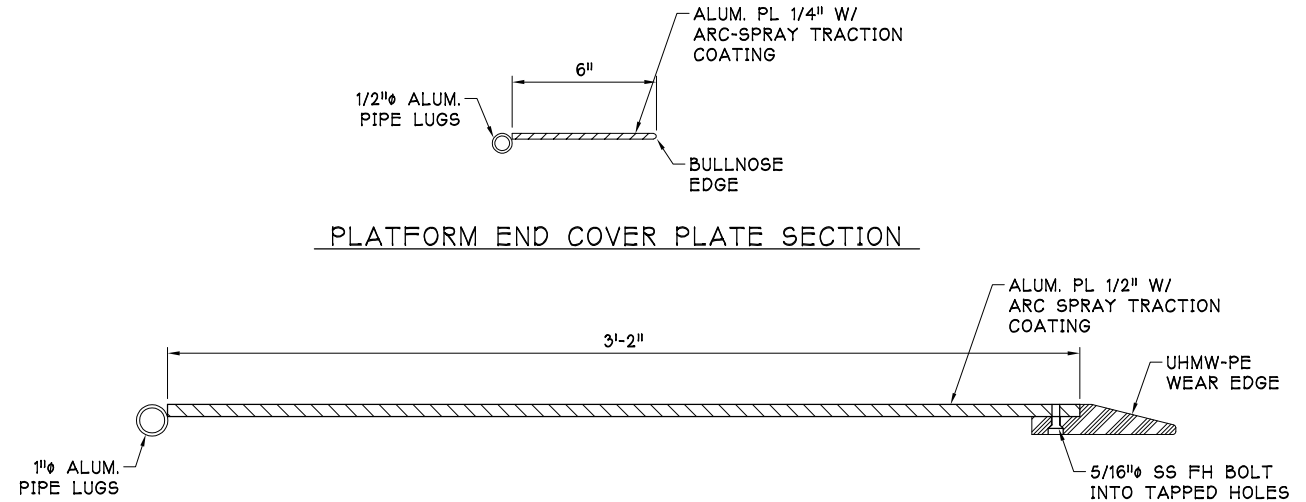
|                                                     |              |               |                |
|-----------------------------------------------------|--------------|---------------|----------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276    |              |               |                |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230         |              |               |                |
| SCALE:                                              | APPROVED BY: | DRAWN BY: KDL |                |
| DATE: NOV '19                                       |              | REVISED:      |                |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE      |              |               | DRAWING NUMBER |
| 4' X 30' ALUMINUM RAMP<br>SKID END AND BARREL HINGE |              |               | 4 OF 11        |



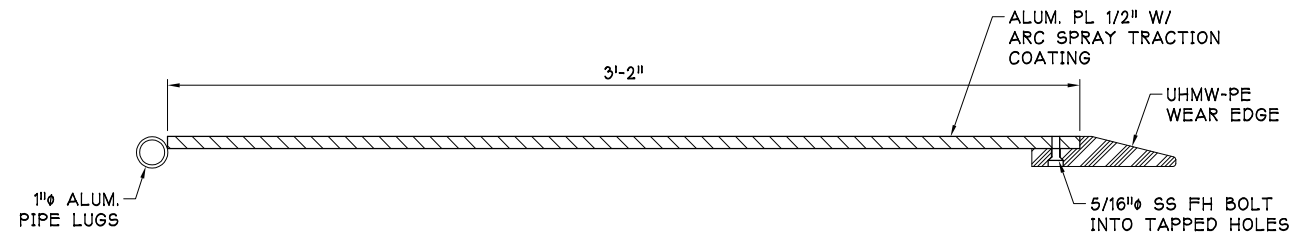
PLATFORM END COVER PLATE  
MAKE 2



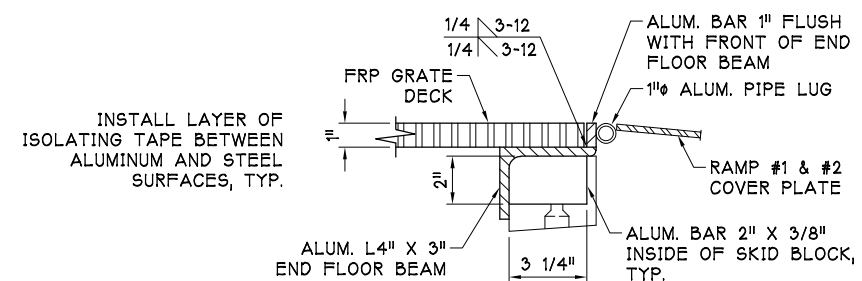
FLOAT END TRANSITION  
MAKE 1



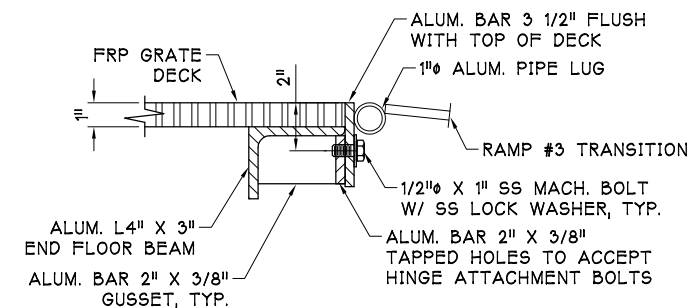
PLATFORM END COVER PLATE SECTION



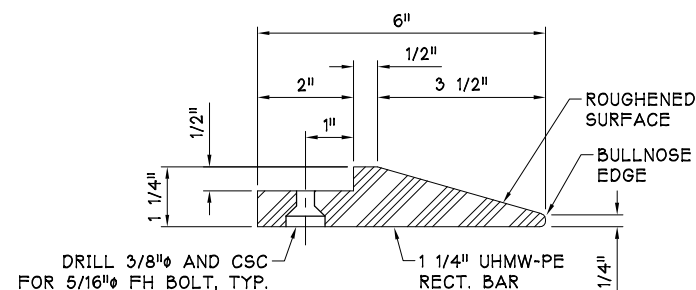
FLOAT END RAMP TRANSITION SECTION



COVER PLATE ATTACHMENT SECTION  
RAMPS #1 AND #3



TRANSITION ATTACHMENT SECTION  
RAMP #3



WEAR EDGE SECTION



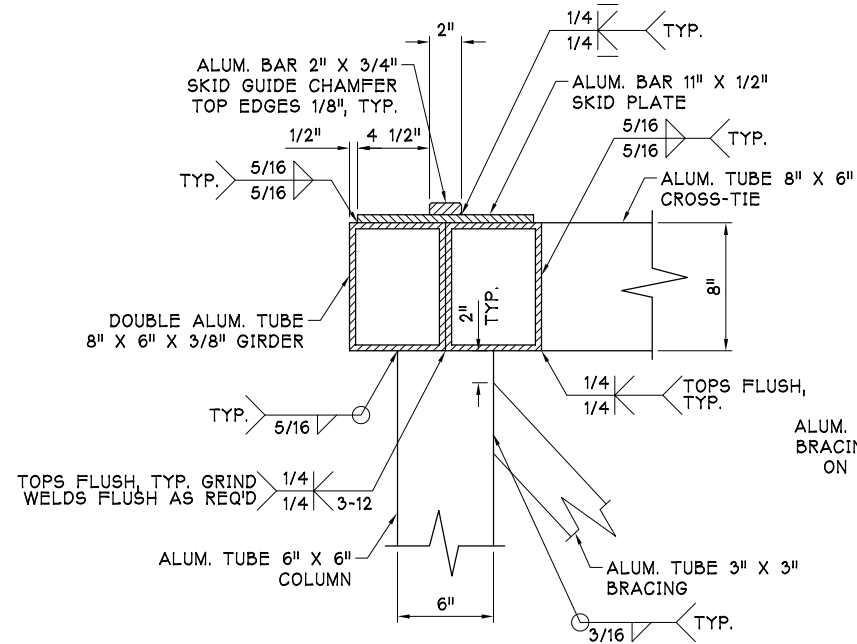
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

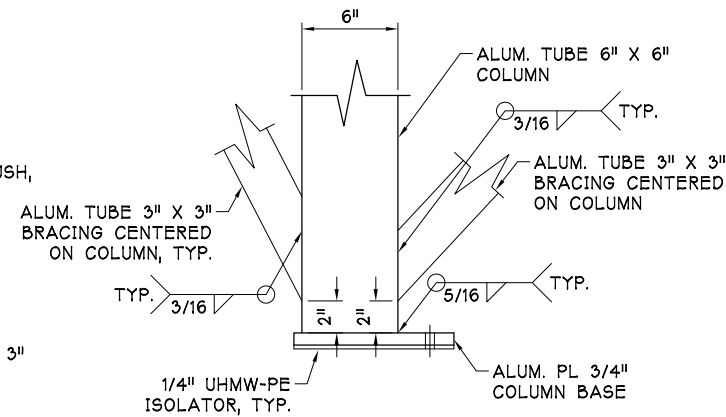
|                                             |  |               |                |
|---------------------------------------------|--|---------------|----------------|
| MANTLE INDUSTRIES, LLC. PH (360) 332-5276   |  |               |                |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230 |  |               |                |
| SCALE:                                      |  | APPROVED BY:  |                |
| DATE: NOV '19                               |  | DRAWN BY: KDL |                |
|                                             |  | REVISED:      |                |
| KITSAP TRANSIT                              |  |               |                |
| ANNAPOLIS FERRY DOCK UPGRADE                |  |               |                |
| 4' X 30' ALUMINUM RAMP<br>TRANSITIONS       |  |               | DRAWING NUMBER |
|                                             |  |               | 5 OF 11        |

|                                                                                                        |              |                           |
|--------------------------------------------------------------------------------------------------------|--------------|---------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276<br><b>1100-C YEW AVENUE, BLAINE, WASHINGTON 98230</b> |              |                           |
| SCALE:                                                                                                 | APPROVED BY: | DRAWN BY: KDL             |
| DATE: NOV 19                                                                                           |              | REVISED:                  |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE                                                         |              |                           |
| PLATFORM #1<br>PLAN, ELEVATIONS AND DETAILS                                                            |              | DRAWING NUMBER<br>6 of 11 |

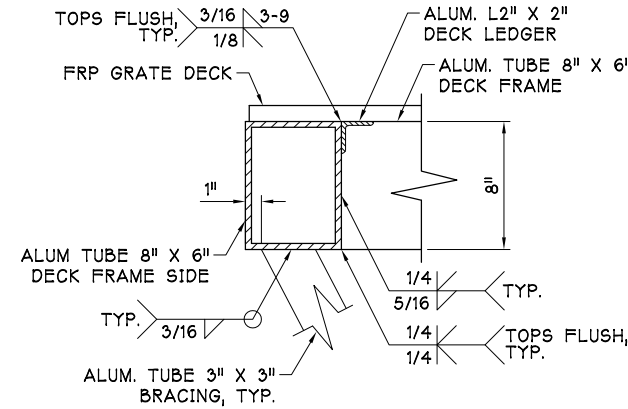




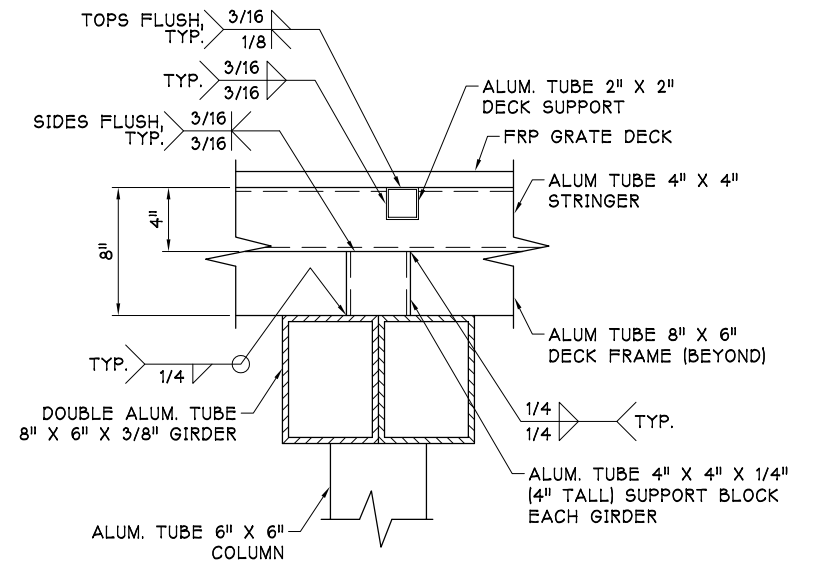
PLATFORM #1 WELDING  
SKID GUIDE AND GIRDERS



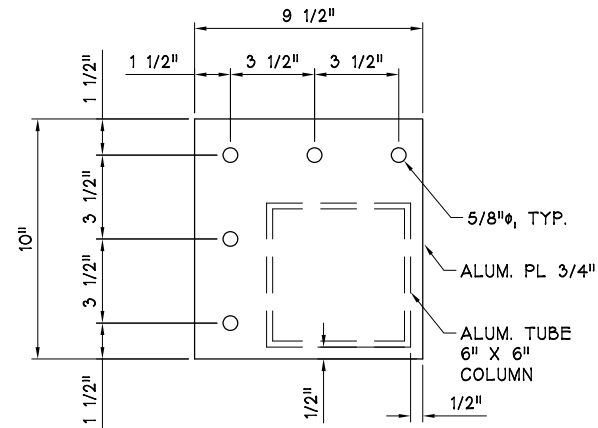
PLATFORM #1 WELDING  
COLUMN BASES



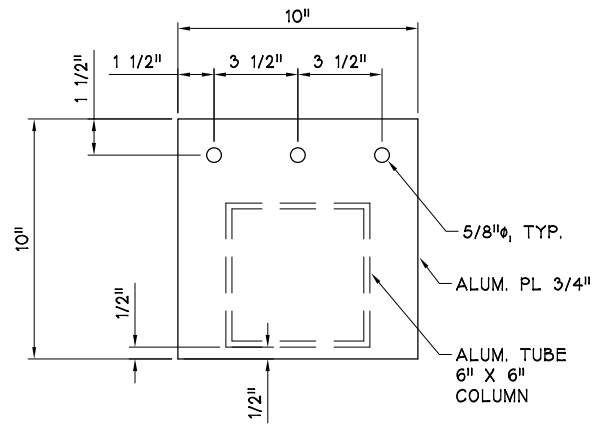
PLATFORM #1 WELDING  
DECK FRAME



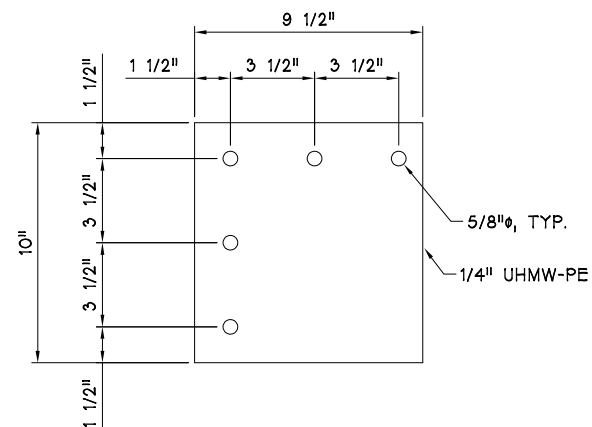
PLATFORM #1 WELDING  
STRINGER AND SUPPORT



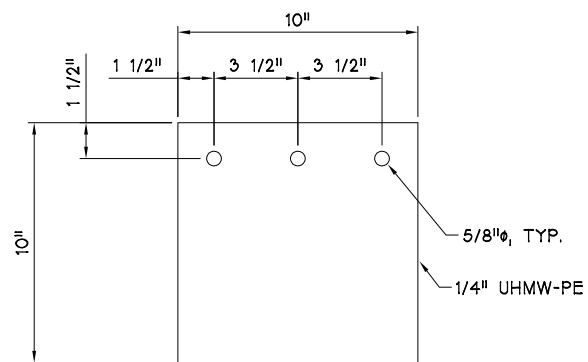
PLATFORM #1 CORNER COLUMN BASE  
MAKE 2 AS SHOWN AND 2 OPPOSITE HAND



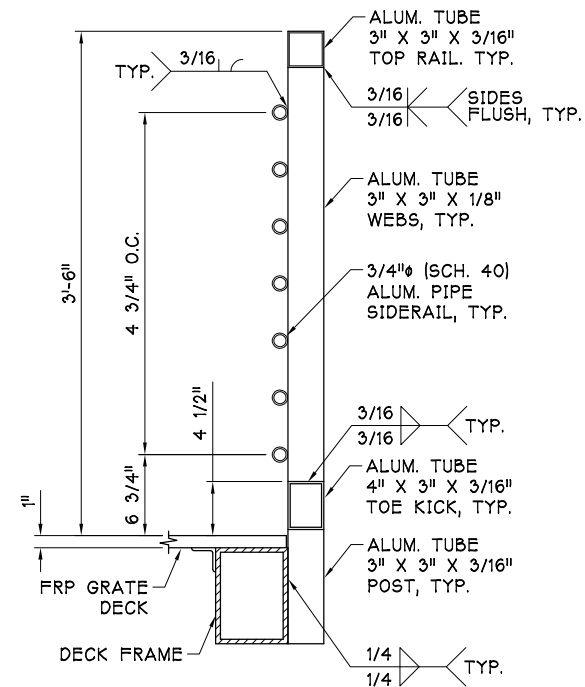
PLATFORM #1 MIDDLE COLUMN BASE  
MAKE 2 AS SHOWN



PLATFORM #1 CORNER COLUMN ISOLATOR  
MAKE 4



PLATFORM #1 CENTER COLUMN ISOLATOR  
MAKE 4



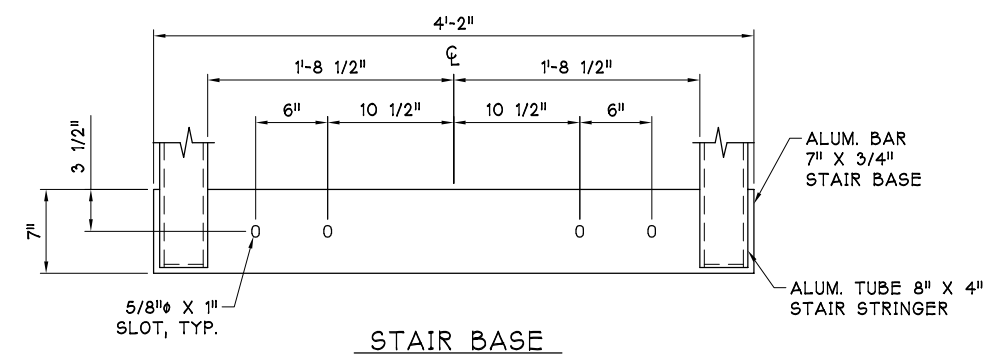
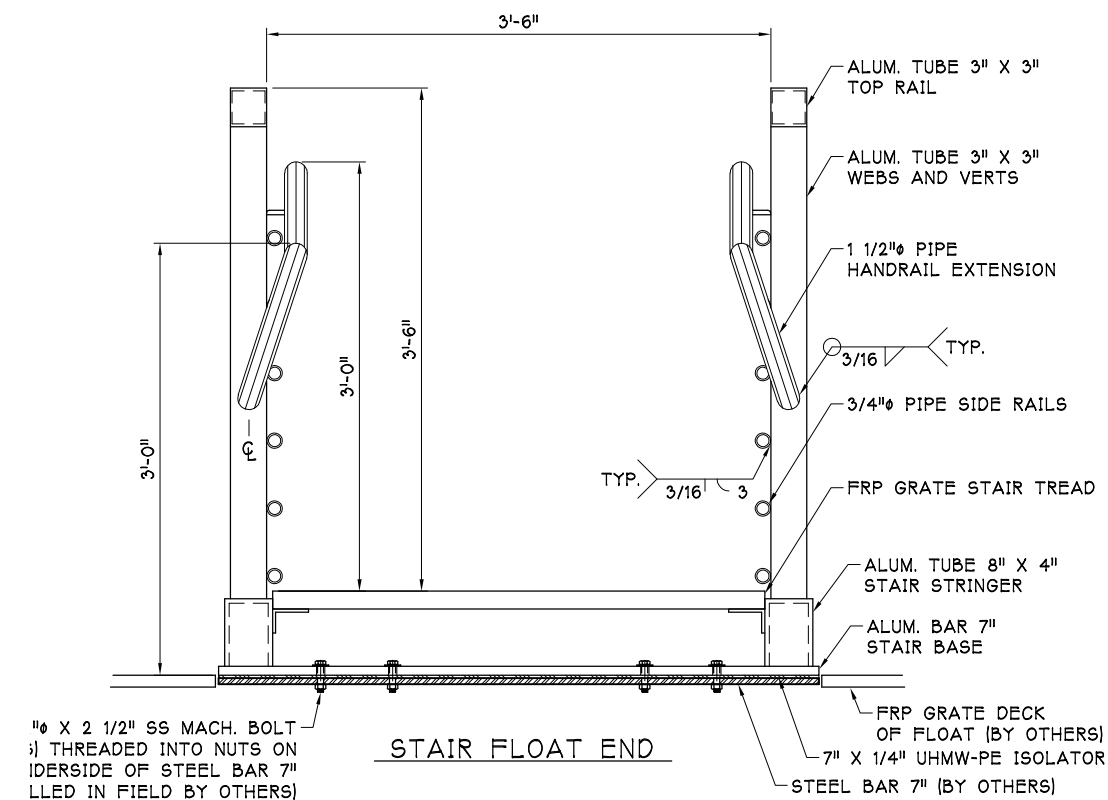
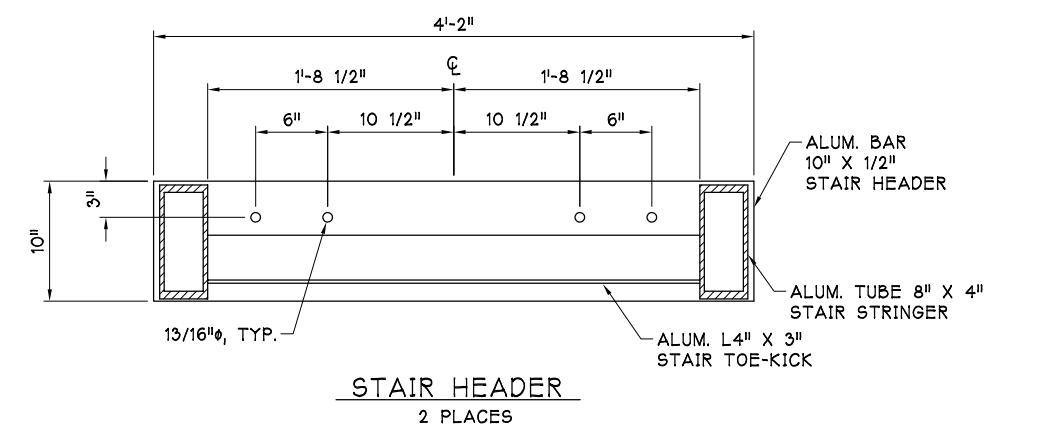
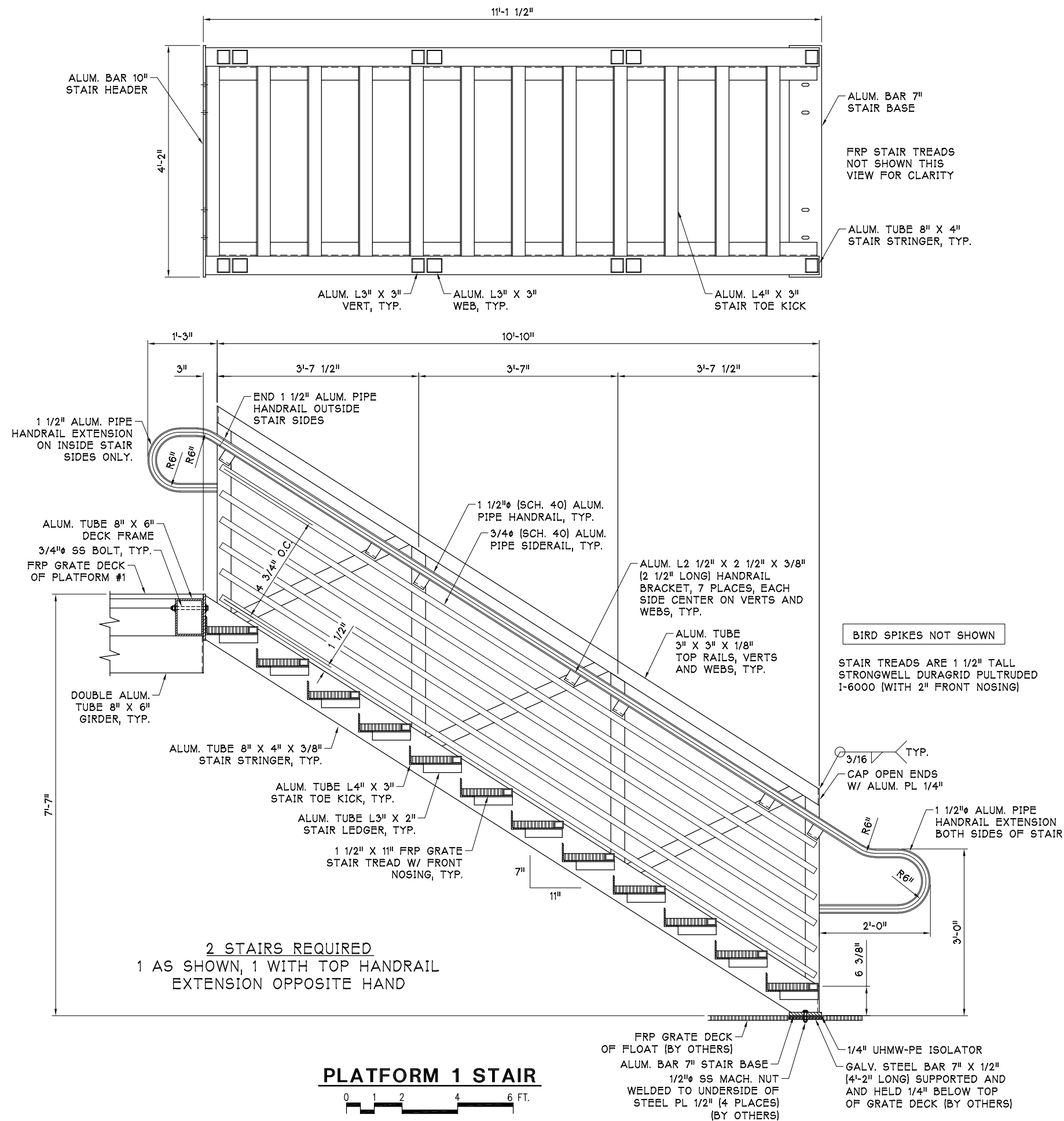
GUARDRAIL SECTION



MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

|                                                  |              |  |                           |
|--------------------------------------------------|--------------|--|---------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |  |                           |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |  |                           |
| SCALE:                                           | APPROVED BY: |  | DRAWN BY: KDL             |
| DATE: NOV '19                                    |              |  | REVISED:                  |
| KITSAP TRANSIT                                   |              |  |                           |
| ANNAPOLIS FERRY DOCK UPGRADE                     |              |  |                           |
| PLATFORM #1<br>WELDING AND DETAILS               |              |  | DRAWING NUMBER<br>7 OF 11 |

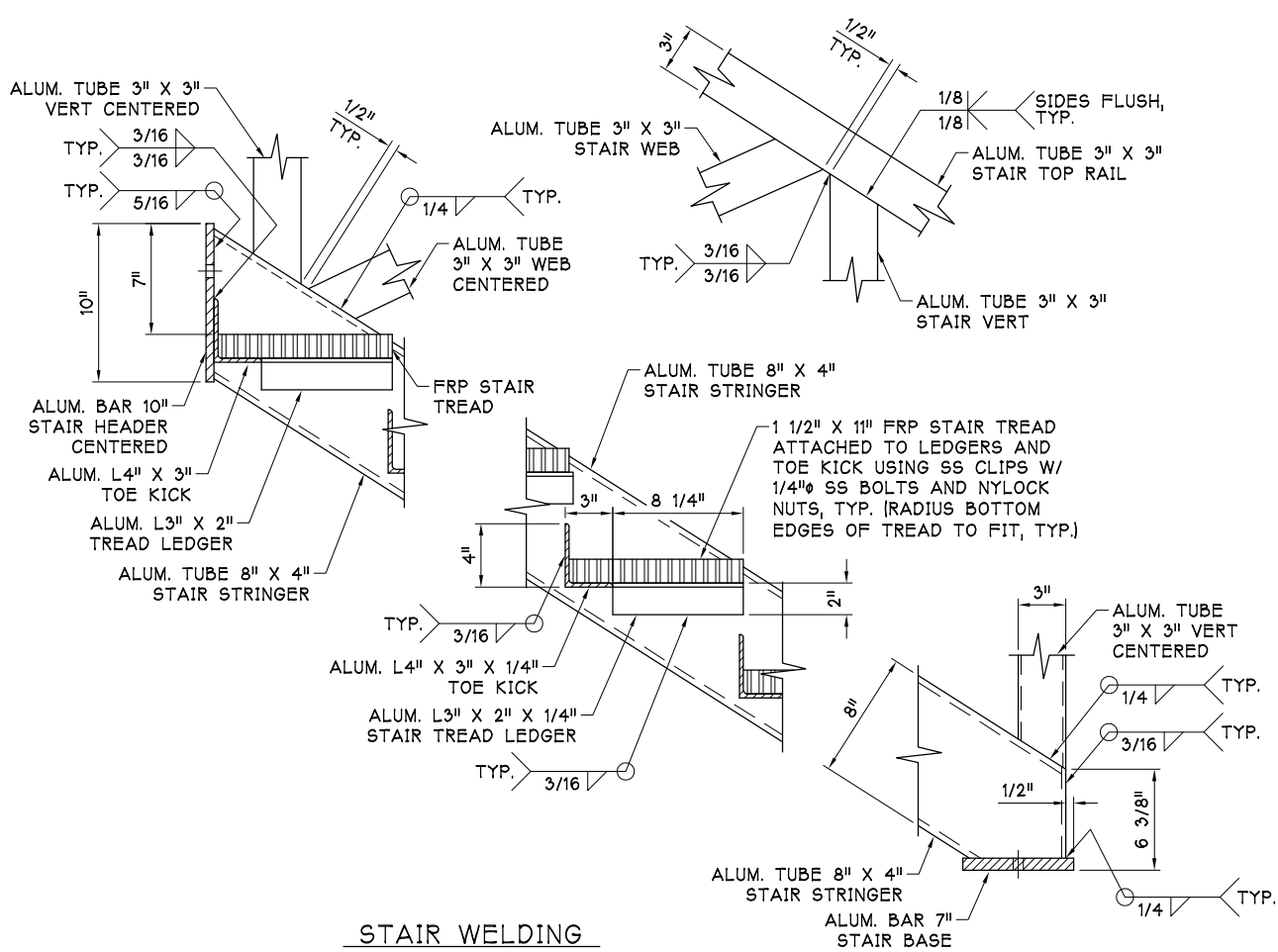


MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

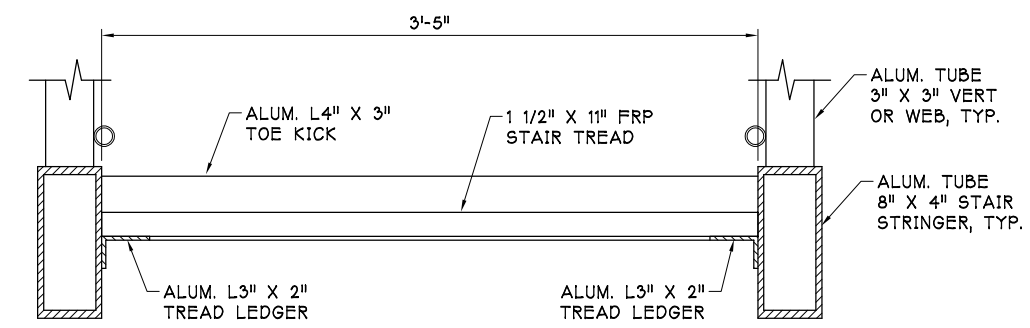
06 NOV 19

|                                                                                                        |              |                                         |
|--------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276<br><b>1100-C YEW AVENUE, BLAINE, WASHINGTON 98230</b> |              |                                         |
| SCALE:                                                                                                 | APPROVED BY: | DRAWN BY: KDL                           |
| DATE: NOV 19                                                                                           |              | REVISED:                                |
| <b>KITSAP TRANSIT</b><br><b>ANNAPOLIS FERRY DOCK UPGRADE</b>                                           |              |                                         |
| <b>PLATFORM #1 STAIR</b><br><b>PLAN ELEVATION &amp; DETAILS</b>                                        |              | <b>DRAWING NUMBER</b><br><b>8 of 11</b> |

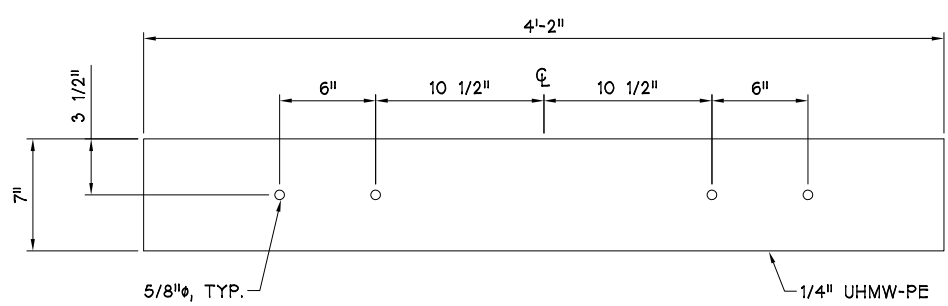




STAIR WELDING



STAIR SECTION



STAIR BASE ISOLATOR  
MAKE 2

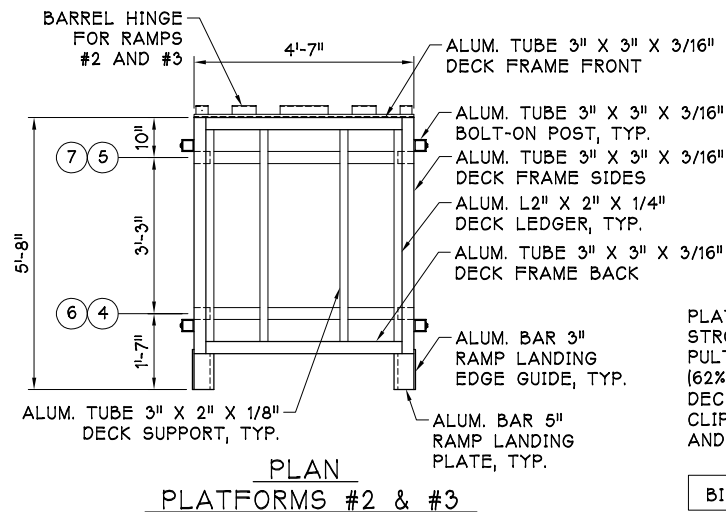
2942-ANNAPOLIS FERRY/ANNAPOLIS.DWG  
06 NOVEMBER 2019



MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

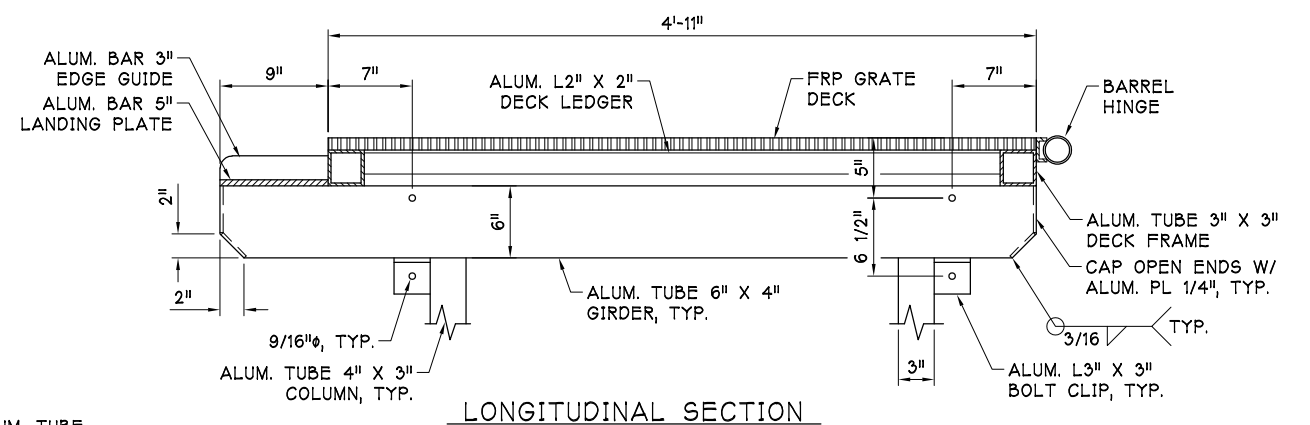
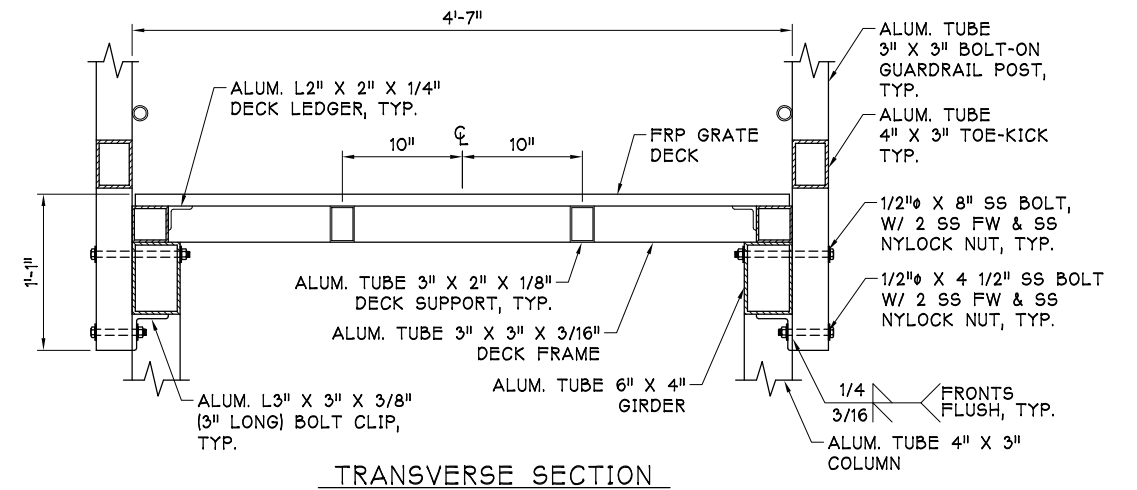
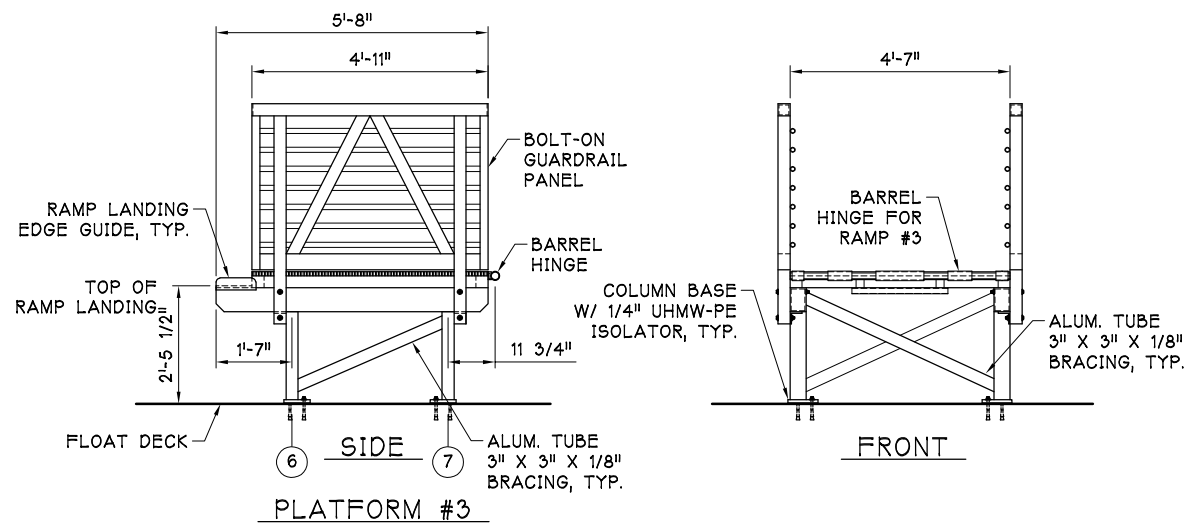
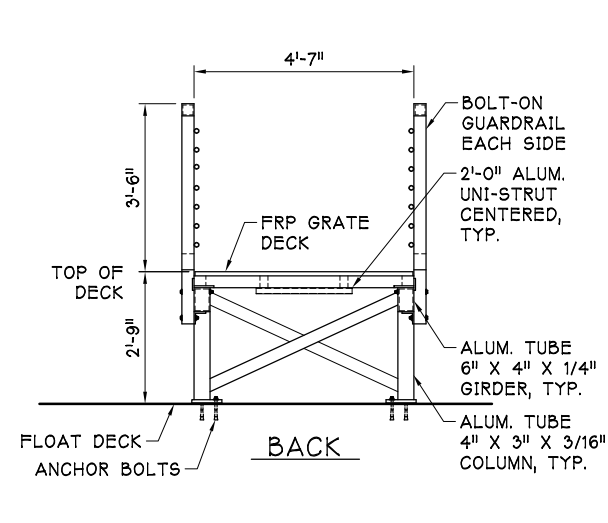
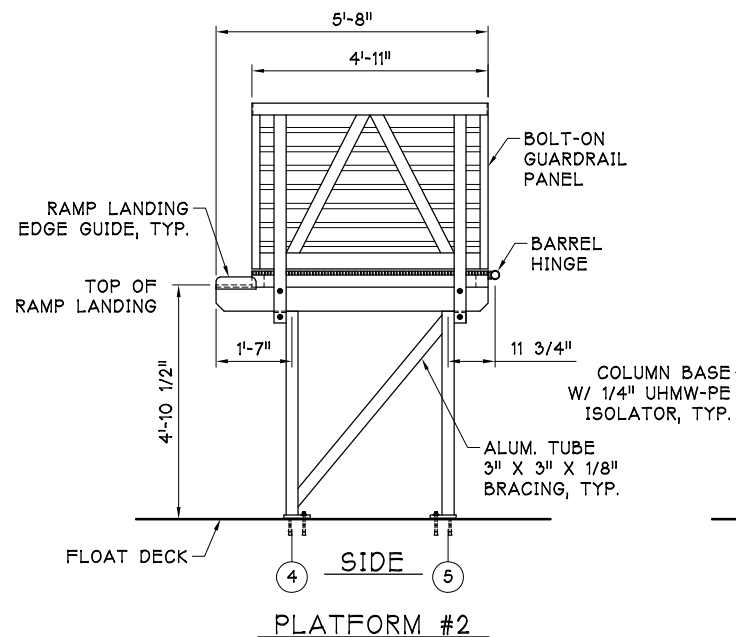
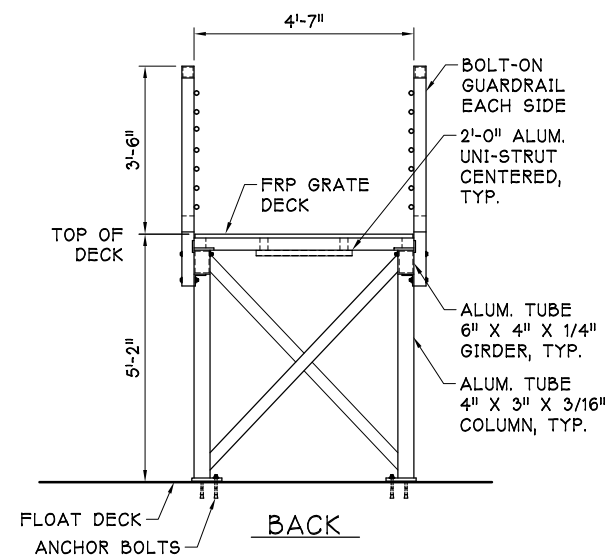
06 NOV 19

|                                                                                                 |              |               |                |
|-------------------------------------------------------------------------------------------------|--------------|---------------|----------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276<br>1100-C YEW AVENUE, BLAINE, WASHINGTON 98230 |              |               |                |
| SCALE:                                                                                          | APPROVED BY: | DRAWN BY: KDL | REVISD:        |
| DATE: NOV '19                                                                                   |              |               |                |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE                                                  |              |               | DRAWING NUMBER |
| PLATFORM #1 STAIR<br>WELDING AND DETAILS                                                        |              |               | 9 OF 11        |



PLATFORM DECK GRATE IS STRONGWELL DURAGRID PULTRUDED R-BAR R-6200 (62% OPEN) ATTACHED TO DECK LEDGERS USING SS CLIPS W/ 1/4" SS BOLTS, AND SS NYLOCK NUTS, TYP.

BIRD SPIKES NOT SHOWN



MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

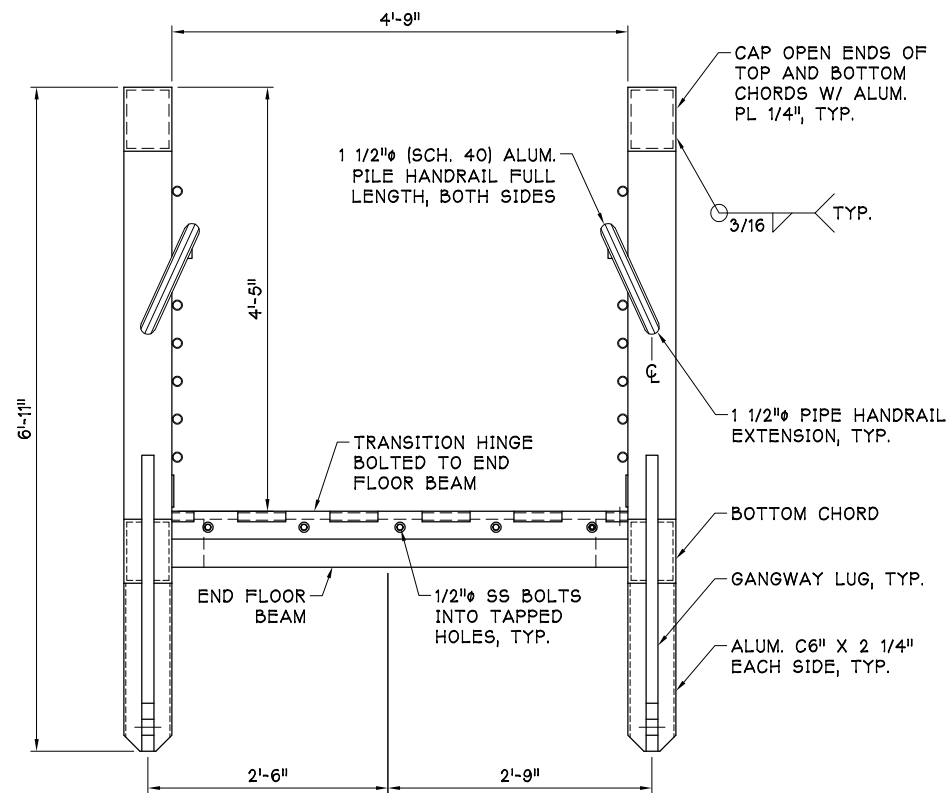
|                                                  |              |                |
|--------------------------------------------------|--------------|----------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |                |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |                |
| SCALE:                                           | APPROVED BY: | DRAWN BY: KDL  |
| DATE: NOV '19                                    |              | REVISED:       |
| KITSAP TRANSIT                                   |              |                |
| ANNAPOLIS FERRY DOCK UPGRADE                     |              |                |
| PLATFORMS #1 AND #2                              |              | DRAWING NUMBER |
| PLAN, ELEVATIONS AND DETAILS                     |              | 10 OF 11       |



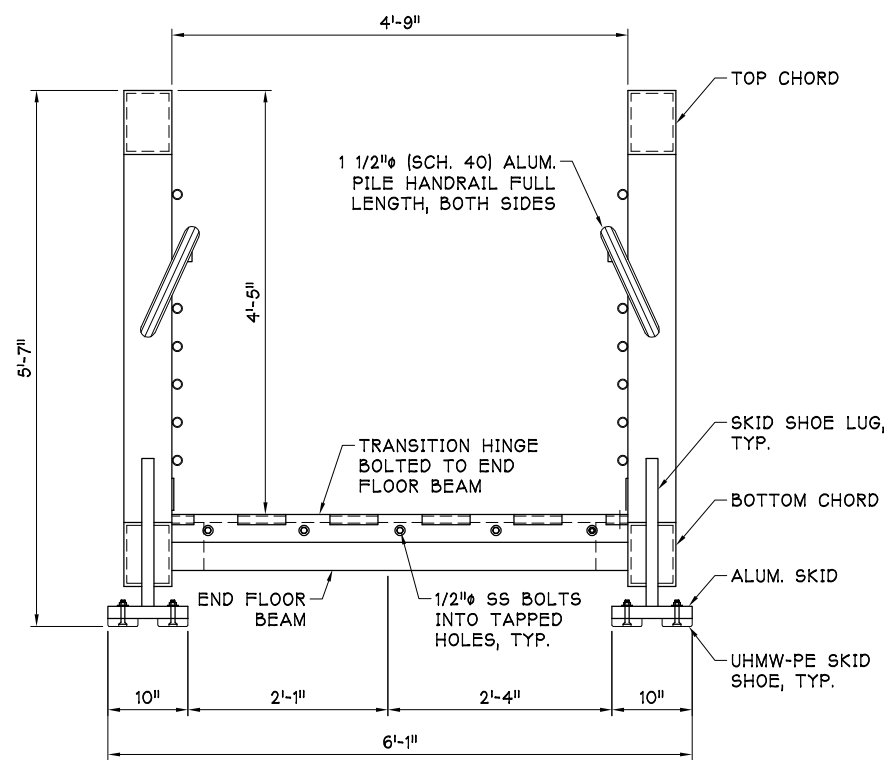


06 NOV 19

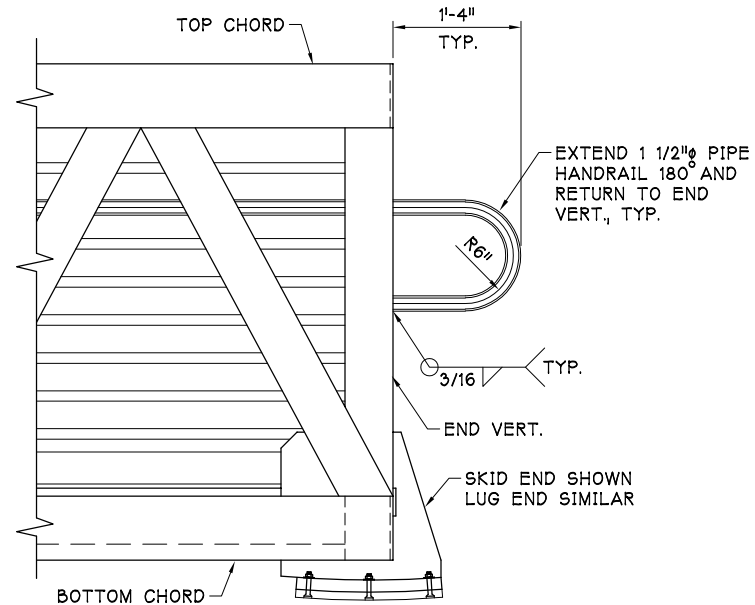
|                                                    |  |              |                   |               |
|----------------------------------------------------|--|--------------|-------------------|---------------|
| <b>MANTLE INDUSTRIES, LLC.</b>                     |  |              | PH (360) 332-5276 |               |
| <b>1100-C YEW AVENUE, BLAINE, WASHINGTON 98230</b> |  |              |                   |               |
| SCALE:                                             |  | APPROVED BY: |                   | DRAWN BY: KDL |
| DATE: NOV '19                                      |  |              |                   | REVISED:      |
| KITSAP TRANSIT                                     |  |              |                   |               |
| ANNAPOLIS FERRY DOCK UPGRADE                       |  |              |                   |               |
| 5' X 126' ALUMINUM GANGWAY                         |  |              |                   |               |
| PLAN, ELEVATION, SECTION & DETAILS                 |  |              |                   |               |
| DRAWING NUMBER                                     |  |              |                   | 1 OF 5        |



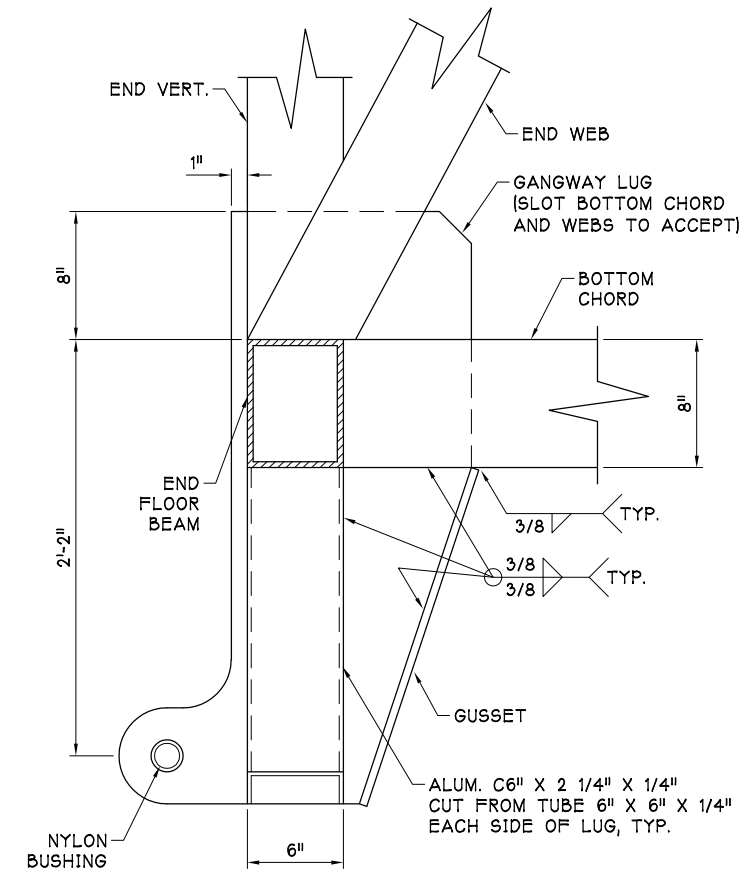
LUG END VIEW



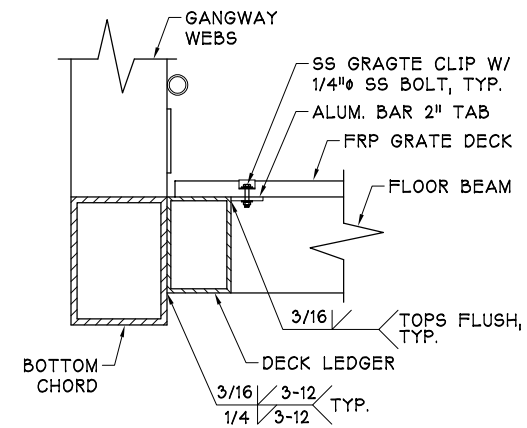
SKID END VIEW



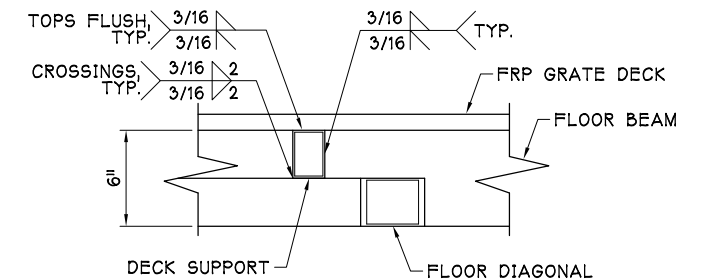
GANGWAY ENDS



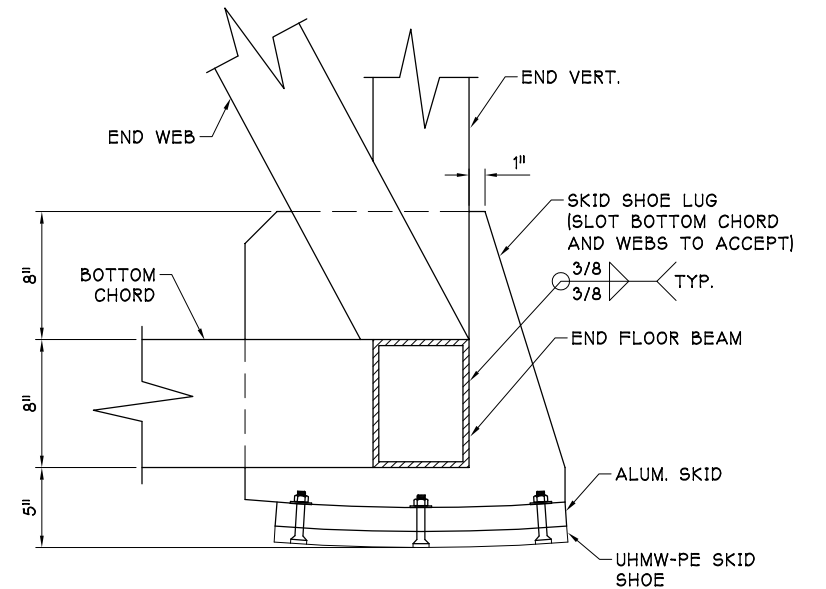
LUG END ASSEMBLY



DECK LEDGER & TABS



DECK SUPPORTS



SKID END ASSEMBLY



MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

|                                                          |              |                          |
|----------------------------------------------------------|--------------|--------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276         |              |                          |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230              |              |                          |
| SCALE:                                                   | APPROVED BY: | DRAWN BY: KDL            |
| DATE: NOV '19                                            |              | REVISED:                 |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE           |              |                          |
| 5' X 126' ALUMINUM GANGWAY<br>END VIEWS AND ASSY DETAILS |              | DRAWING NUMBER<br>2 OF 5 |

WELD DETAIL B

STAINLESS STEEL

[illegible]

Diagram illustrating the WELD DETAIL D, showing a cross-section of a deck ledger with a diagonal FRP deck and a vertical web. The diagram includes the following labels and dimensions:

- BAR 4" TOE KICK
- FRP DECK
- DECK LEDGER
- WEB, TYP.
- DECK LEDGER
- Dimensions: 4", 3/16", 2-4, 1/4", 6"
- WELD DETAIL D

WELD DETAIL E

Diagram illustrating the weld detail for a connection. The detail shows a cross-section of a beam with a central web and two side chords. The web is 7" wide, with 1" of material on each side of the centerline. The side chords are 7" wide and 1/2" thick. The web is 1/2" thick. The bottom chord is 7" wide. The welds are 5/16" thick. The drawing is labeled "WELD DETAIL E".

**WELD  
DETAIL F**

Technical drawing of a mechanical part, likely a bushing or plate, showing dimensions and labels.

Dimensions (all in inches):

- Overall width:  $1'-10''$
- Overall height:  $2'-10''$
- Top horizontal segment:  $1'-3''$
- Top horizontal segment:  $1'-1''$
- Top horizontal segment:  $2''$
- Top horizontal segment:  $2''$
- Right vertical segment:  $1'-4''$
- Right vertical segment:  $3'-1''$
- Bottom horizontal segment:  $1'-0''$
- Bottom horizontal segment:  $7''$
- Radius:  $R3''$
- Radius:  $R3''$

Labels:

- $2'' \phi \times 1 \frac{1}{2}''$  NYLON BUSHING W/  $1 \frac{9}{16}''$  ID
- ALUM. PL  $1 \frac{1}{2}''$



Diagram of Gusset Make 2. The gusset is a trapezoidal shape with a top width of 6" and a bottom width of 2". The height is 1'-10". The material is ALUM. BAR 6" X 1/2".

1'-0 1/2"

6 1/2"

R3/4"

R3/4"

STEEL BAR  
6" X 1" EASE  
ALL SHARP  
EDGES, TYP.

2" Ø X 1 1/4" NYLON  
BUSHING W/  
1 9/16" ID, TYP.

SWING LINK  
MAKE 4  
HOT DIP GALVANIZE

Technical drawing of a skid shoe assembly. The drawing shows a cross-section of the assembly with various dimensions and components labeled.

**Dimensions:**

- Overall width: 1'-8"
- Distance from left edge to center of first bolt: 11"
- Distance between centers of first and second bolts: 9"
- Distance between centers of second and third bolts: 4"
- Distance from left edge to center of third bolt: 9"
- Overall height: 1'-9"
- Height of top flange: 1'-6"
- Height of bottom flange: 1'-4"
- Height of middle section: 1'-6 1/2"
- Distance from left edge to center of first bolt (bottom): 2"
- Distance between centers of first and second bolts (bottom): 7 1/2"
- Distance between centers of second and third bolts (bottom): 7 1/2"
- Distance from left edge to center of third bolt (bottom): 2"

**Components and Labels:**

- ALUM. PL 1 1/2" SKID GUSSET
- ALUM. BAR 10" X 1/2" SKID
- 1" X 3 3/4" UHMW-PE SKID SHOE. CHAMFER BOTTOM EDGES 1/8"
- 1/2"  $\phi$  X 3" SS FH BOLT W/ SS FW ADD NYLOCK NUT, TYP. 6 PLCS/SKID (CSC HEAD 1/4" MIN.)

1'-9"

1 1/2"

ALUM. PL 1 1/2" SKID GUSSET

3/8"

3/8"

1 7/8"

1 7/8"

ALUM. BAR 10"

1" UHMW-PE

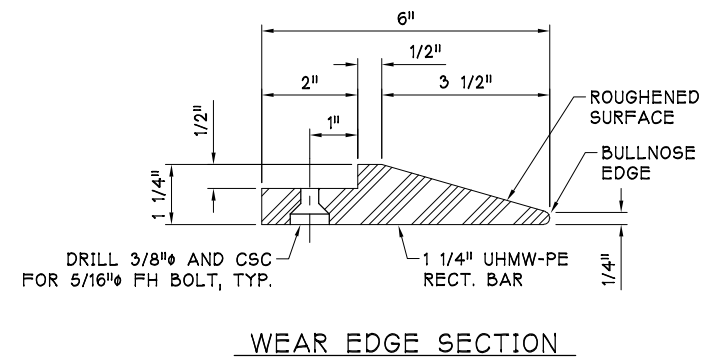
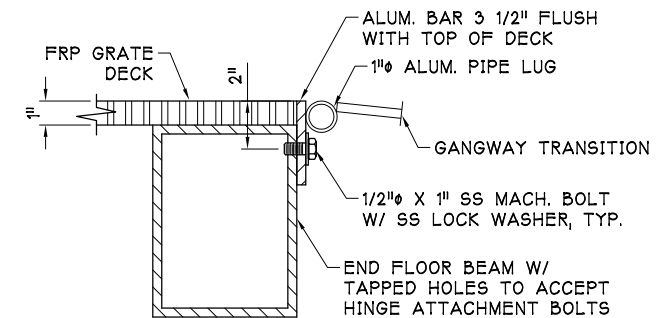
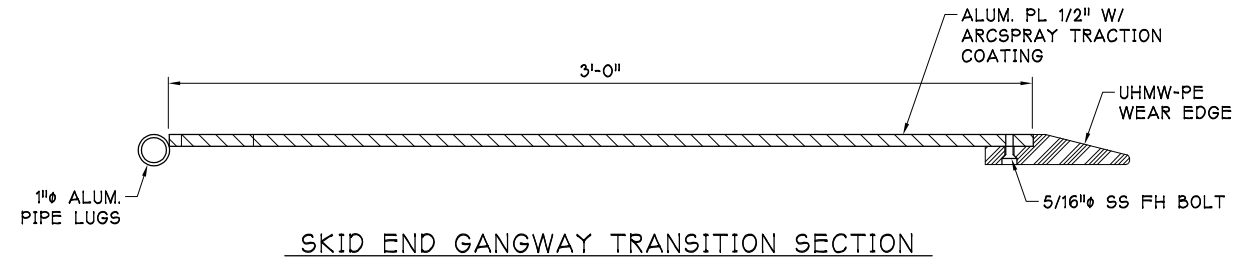
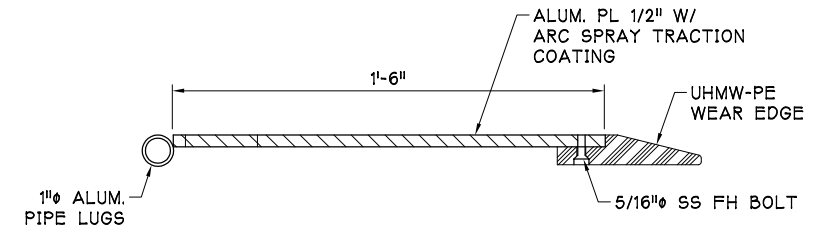
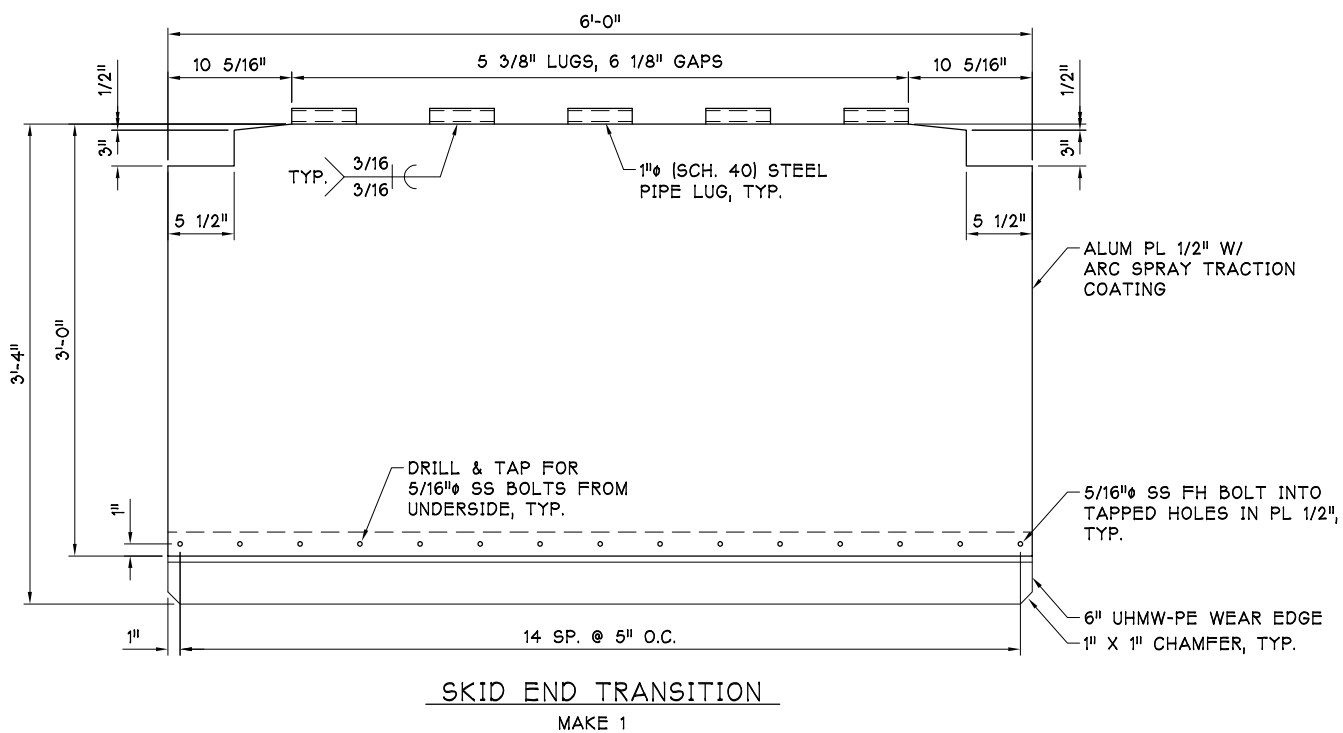
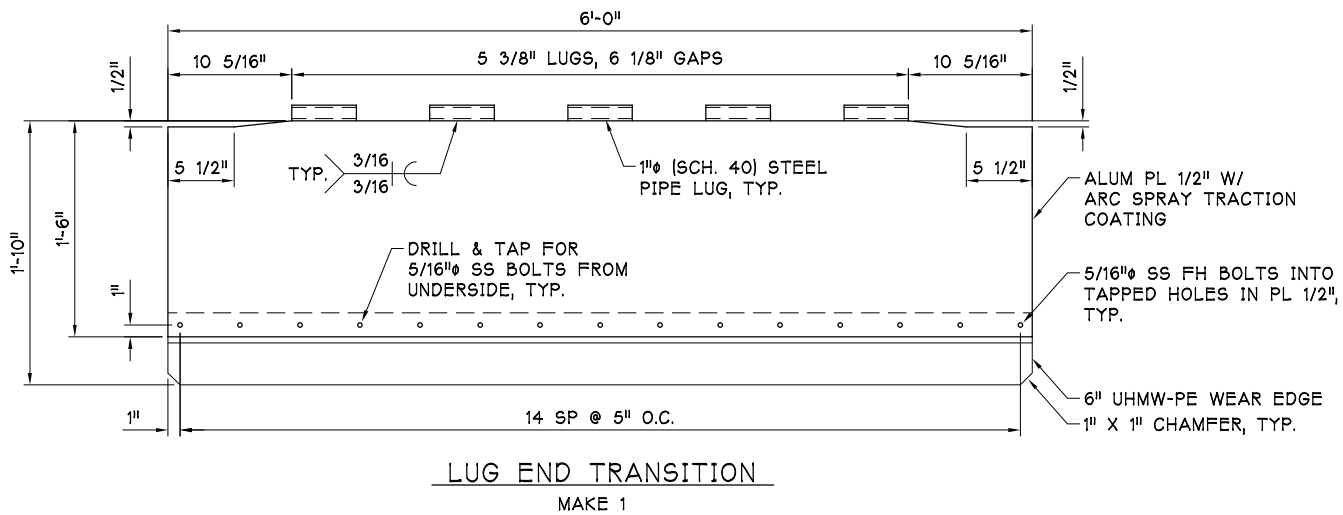
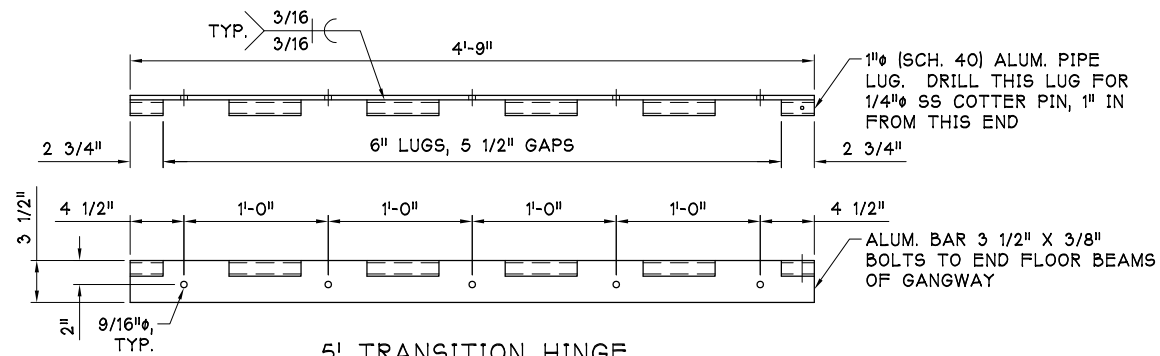
3 3/4"

3 3/4"

2 1/2"

|                                                       |              |                          |
|-------------------------------------------------------|--------------|--------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276      |              |                          |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230           |              |                          |
| SCALE:                                                | APPROVED BY: | DRAWN BY: KDL            |
| DATE: NOV '19                                         |              | REVISED:                 |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE        |              |                          |
| 5' X 126' ALUMINUM GANGWAY<br>WELDING AND END DETAILS |              | DRAWING NUMBER<br>3 OF 5 |

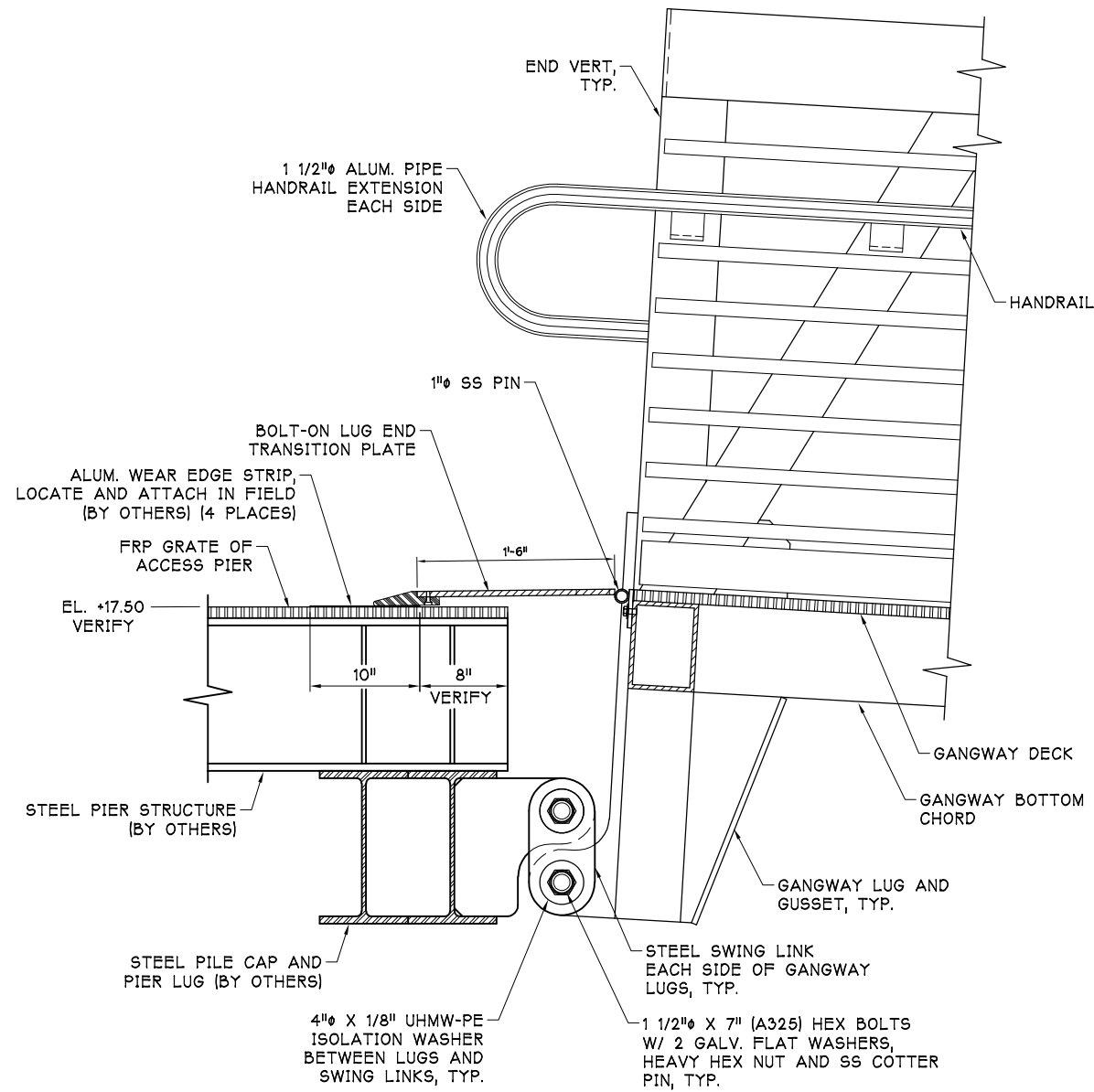




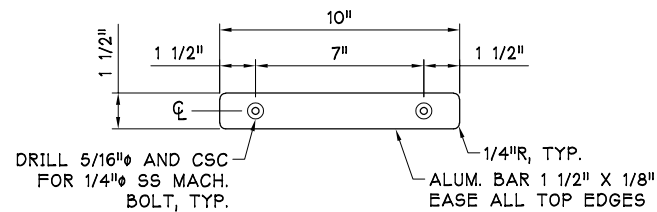
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

|                                                  |              |                          |
|--------------------------------------------------|--------------|--------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |                          |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |                          |
| SCALE:                                           | APPROVED BY: | DRAWN BY: KDL            |
| DATE: NOV 19                                     | REVIS:       |                          |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE   |              |                          |
| 5' X 126' ALUMINUM GANGWAY TRANSITIONS           |              | DRAWING NUMBER<br>4 OF 5 |

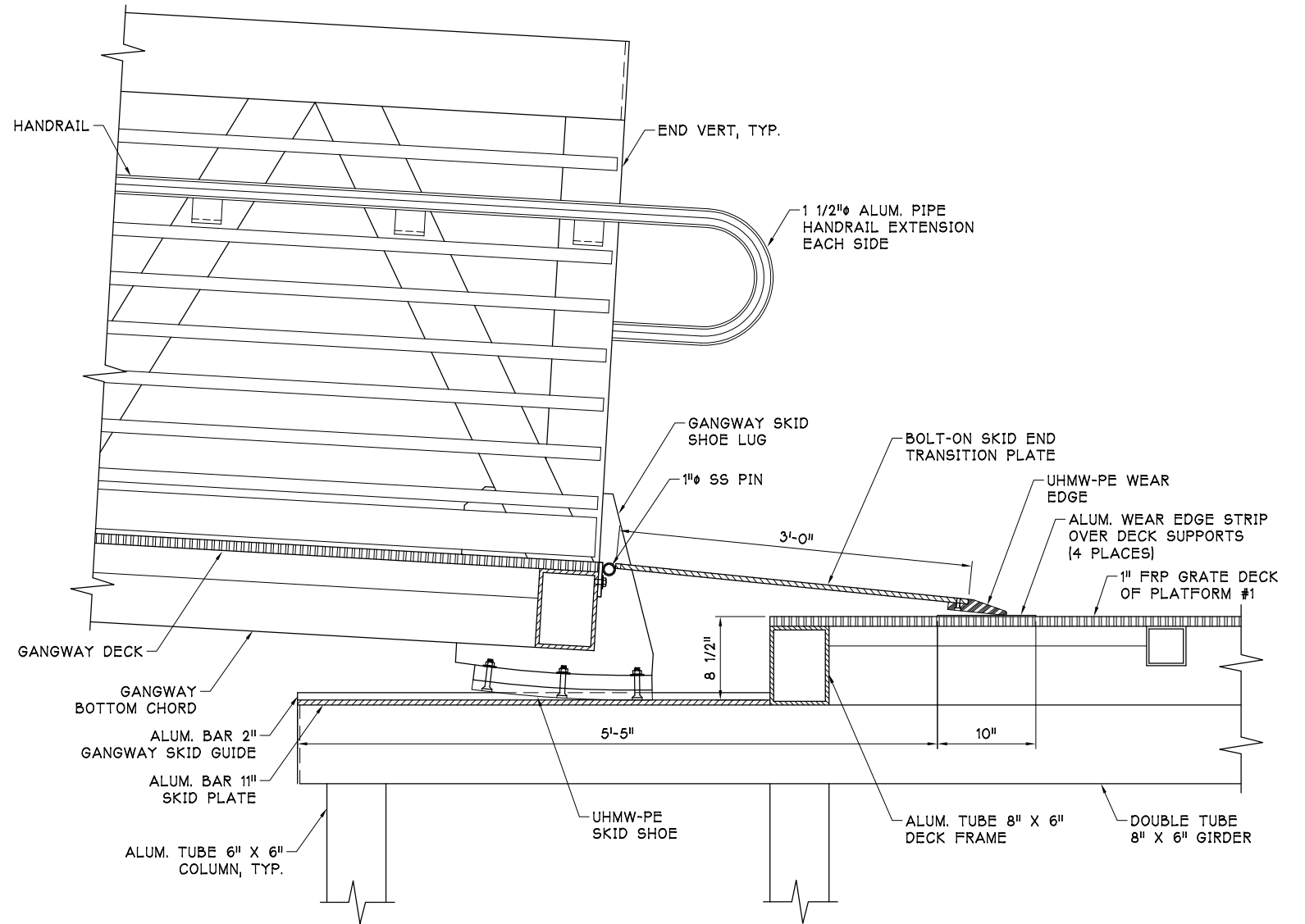


GANGWAY LUG END ASSEMBLY



WEAR EDGE STRIPS

8 REQUIRED

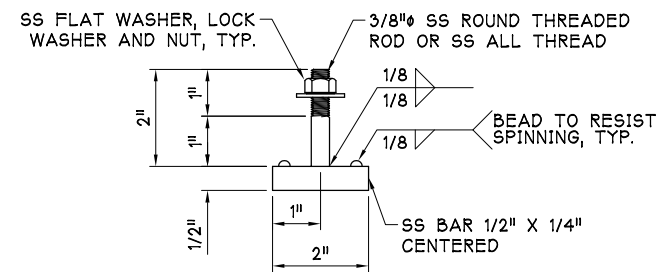
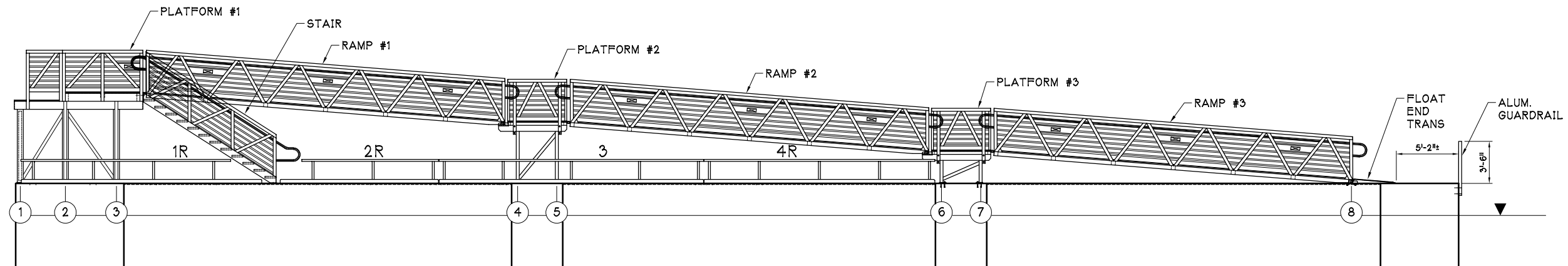
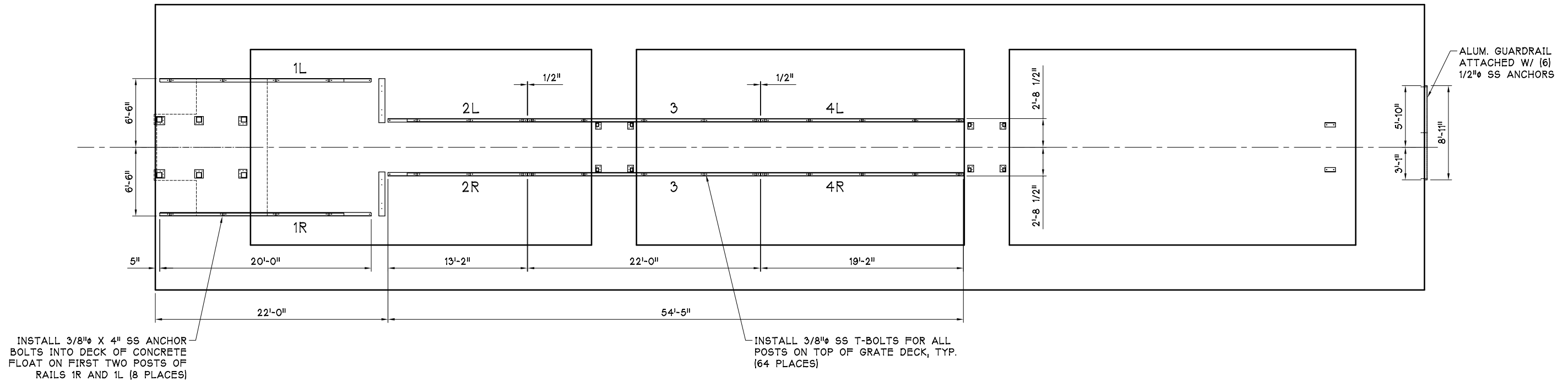


MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

06 NOV 19

|                                                         |              |                          |
|---------------------------------------------------------|--------------|--------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276        |              |                          |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230             |              |                          |
| SCALE:                                                  | APPROVED BY: | DRAWN BY: KDL            |
| DATE: NOV '19                                           |              | REVISED:                 |
| KITSAP TRANSIT<br>ANNAPOLIS FERRY DOCK UPGRADE          |              |                          |
| 5' X 126' ALUMINUM GANGWAY<br>END CONNECTION ASSEMBLIES |              | DRAWING NUMBER<br>5 OF 5 |





SS T-BOLT  
64 REQ'D

(8 - 3/8" SS ANCHOR BOLTS ARE REQ'D TO ATTACH ONSHORE ENDS OF 1R AND 1L RAILS)

#### ANTICIPATED CANE RAIL INSTALLATION PROCESS

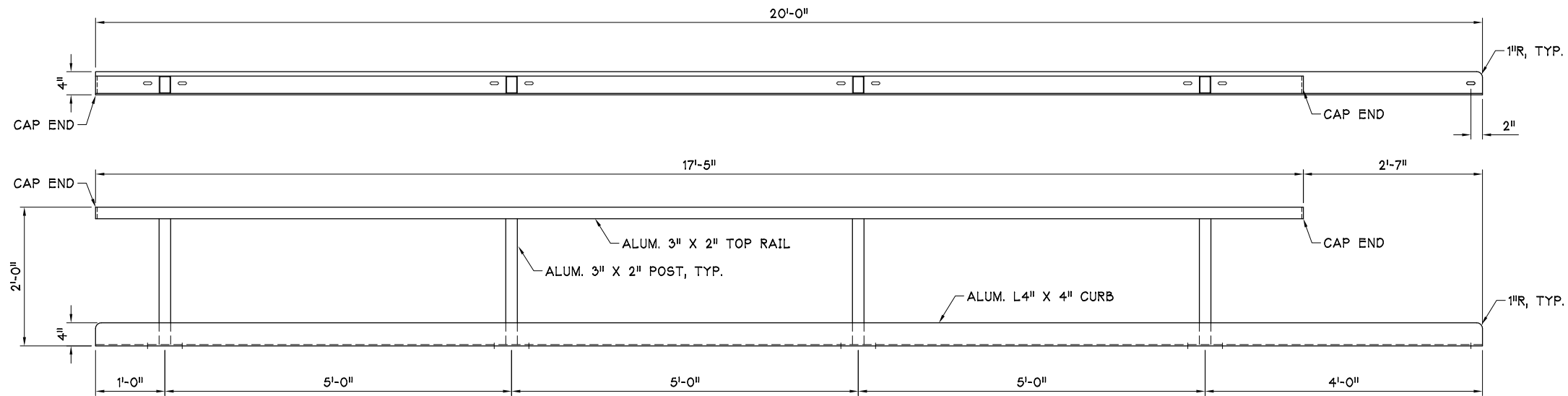
- 1) PRE-INSTALL SS T-BOLTS ONTO CANE RAIL SECTIONS WITH THE FW, LW AND NUTS NEAR UPPER END OF THREADS (EXCEPT ONSHORE ENDS OF 1R AND 1R RAILS)
- 2) PLACE CANE RAIL SECTIONS INTO POSITION ON TOP OF GRATE GRATES ON TOP OF 5/8" THICK TEMPORARY SPACERS.
- 3) ROTATE T-BARS OF T-BOLTS TO FIT BETWEEN BEARING BARS OF GRATE DECK WITHIN LIMITS OF SLOT AND ROTATE BELOW BOTTOM OF GRATE 90 DEGREES.
- 4) REMOVE TEMPORARY SPACERS AND LOWER CANE RAILS TO TOP OF GRATE DECK AND SNUG TIGHTEN ALL T-BOLTS, TAKING CARE THAT T-BARS REMAIN PERP. TO BEARING BARS.
- 5) FINAL TIGHTEN T-BOLTS TO APPROX. 4 TO 5 FT-LBS OF TORQUE TO BE TIGHT BUT NOT DAMAGING TO GRATE BEARING BARS.



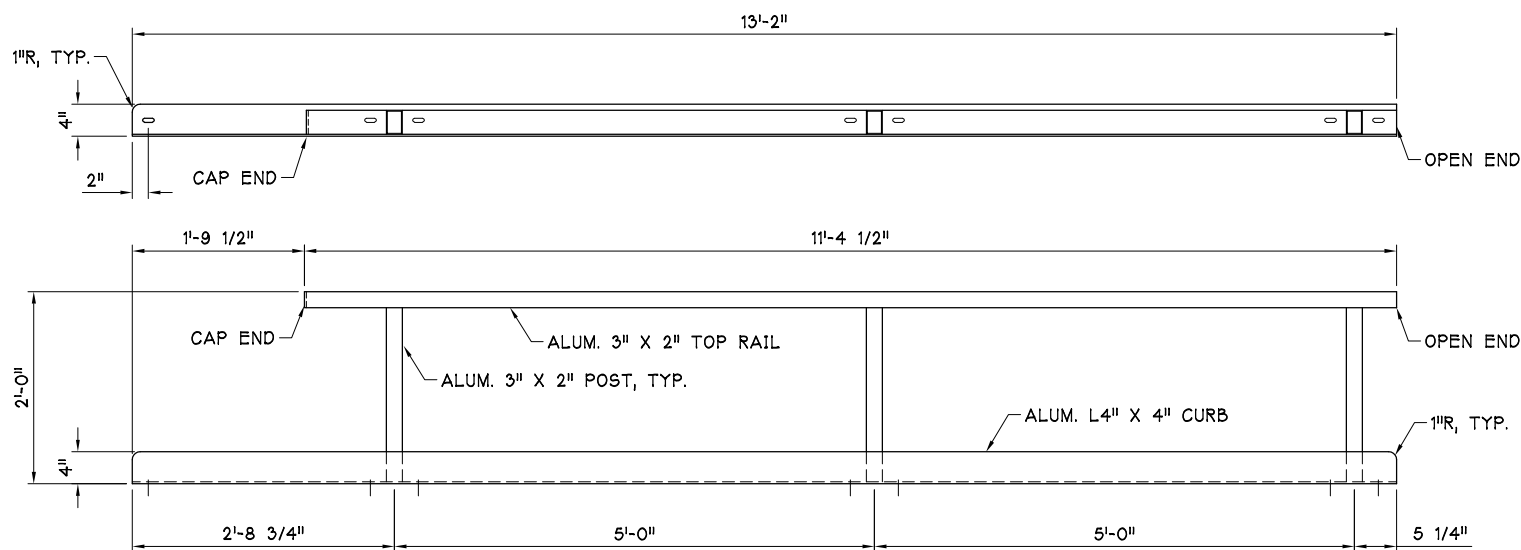
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

19 NOV 19

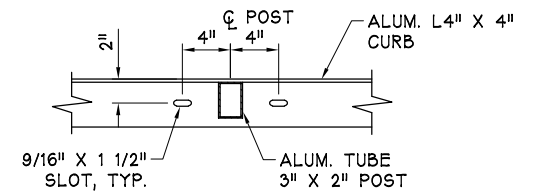
|                                                  |              |                          |
|--------------------------------------------------|--------------|--------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |                          |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |                          |
| SCALE:                                           | APPROVED BY: | DRAWN BY: KDL            |
| DATE: NOV '19                                    |              | REVISED:                 |
| KITSAP TRANSIT                                   |              |                          |
| ANNAPOLIS FERRY DOCK UPGRADE                     |              |                          |
| ALUM. CANE RAILS<br>PROJECT PLAN AND ELEVATION   |              | DRAWING NUMBER<br>1 OF 3 |



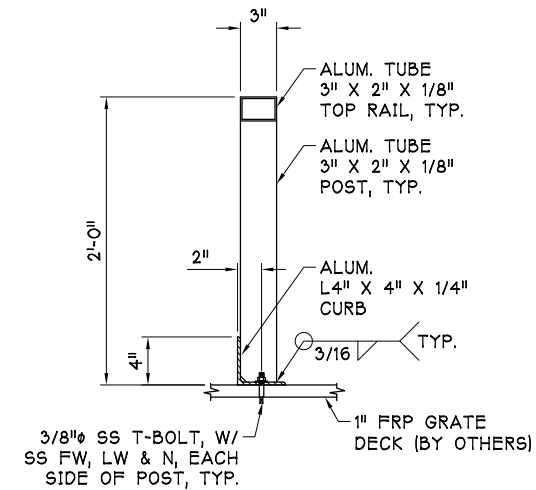
TYPE 1R - MAKE 1 AS SHOWN  
TYPE 1L - MAKE 1 OPPOSITE HAND



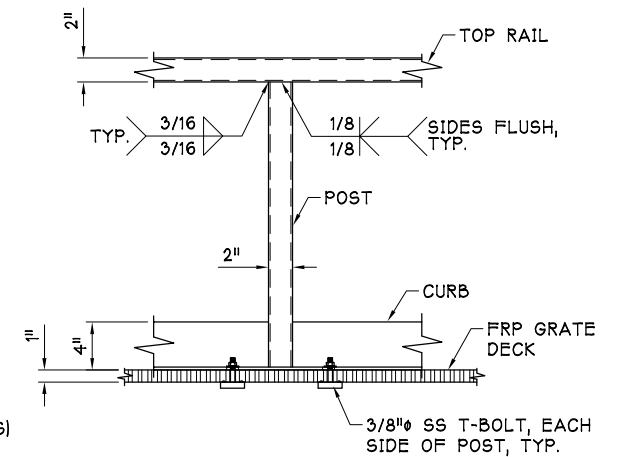
TYPE 2R - MAKE 1 AS SHOWN  
TYPE 2L - MAKE 1 OPPOSITE HAND



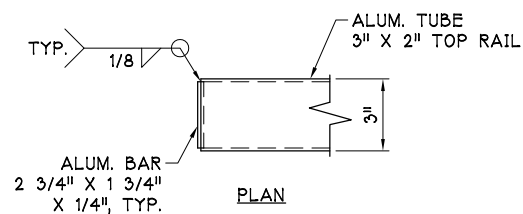
PLAN



SECTION



ELEVATION



PLAN

CAP ENDS

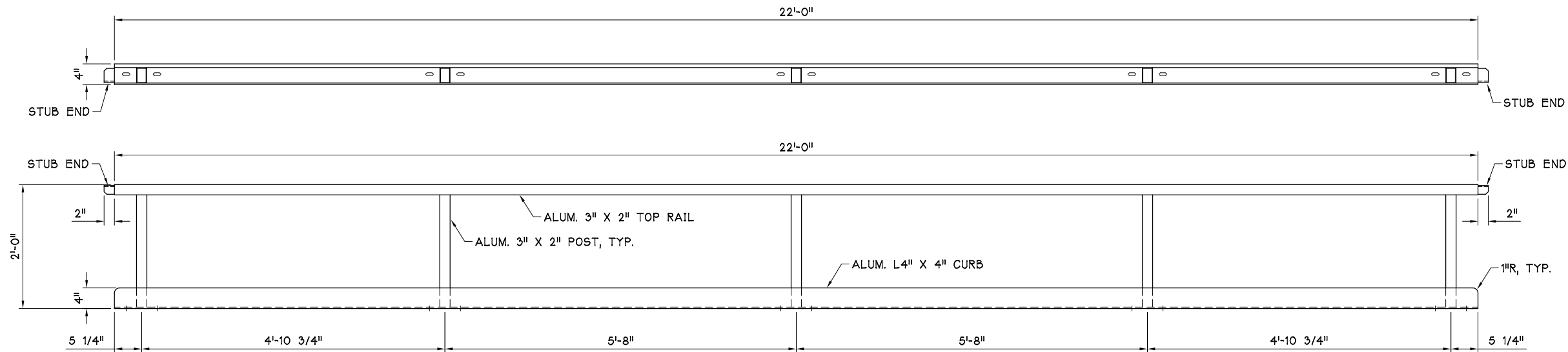
CANE RAIL DETAILS



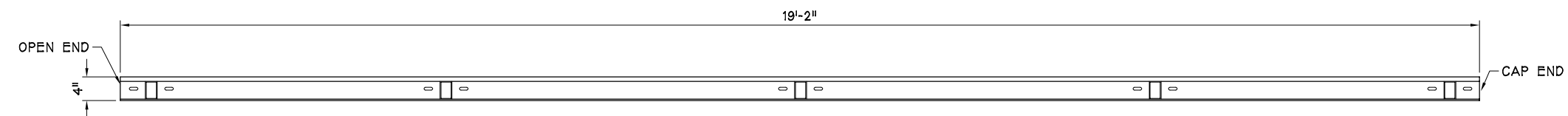
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

19 NOV 19

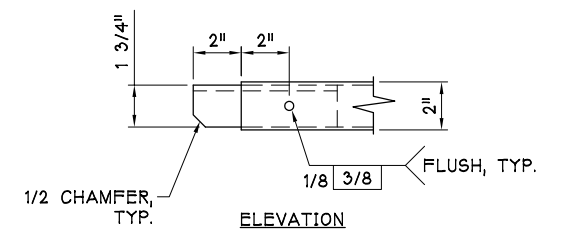
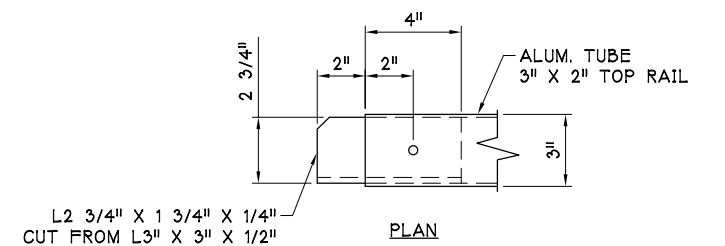
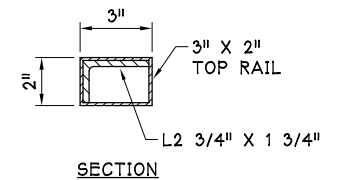
|                                             |  |                |  |
|---------------------------------------------|--|----------------|--|
| MANTLE INDUSTRIES, LLC. PH (360) 332-5276   |  |                |  |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230 |  |                |  |
| SCALE:                                      |  | APPROVED BY:   |  |
| DATE: NOV 19                                |  | DRAWN BY: KDL  |  |
|                                             |  | REVISED:       |  |
| KITSAP TRANSIT                              |  |                |  |
| ANNAPOLIS FERRY DOCK UPGRADE                |  |                |  |
| ALUM. CANE RAILS                            |  | DRAWING NUMBER |  |
| TYPE 1 AND TYPE 2 RAILS                     |  | 2 OF 3         |  |



TYPE 3 - MAKE 2 AS SHOWN



TYPE 4R - MAKE 1 AS SHOWN  
TYPE 4L - MAKE 1 OPPOSITE HAND



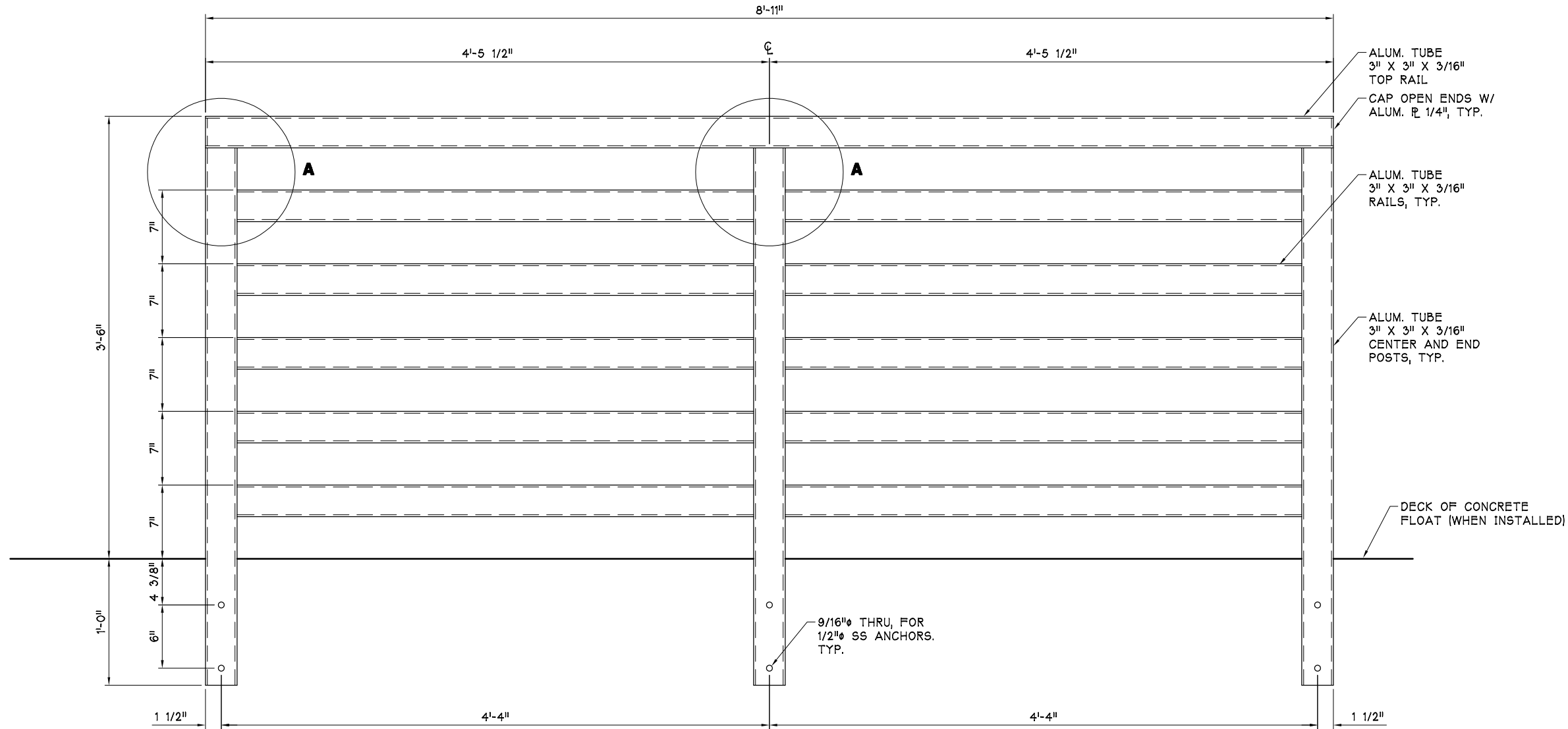
STUB ENDS



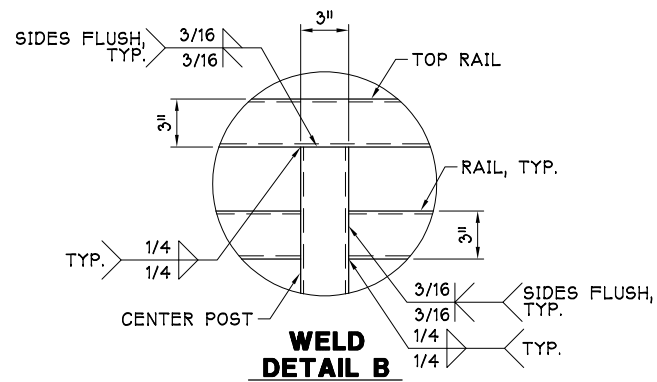
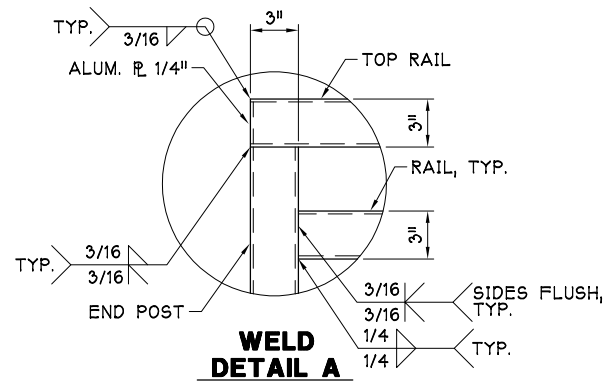
MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

18 NOV 19

|                                                  |              |  |                          |
|--------------------------------------------------|--------------|--|--------------------------|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276 |              |  |                          |
| 1100-C YEW AVENUE, BLAINE, WASHINGTON 98230      |              |  |                          |
| SCALE:                                           | APPROVED BY: |  | DRAWN BY: KDL            |
| DATE: NOV '19                                    |              |  | REVISED:                 |
| KITSAP TRANSIT                                   |              |  |                          |
| ANNAPOLIS FERRY DOCK UPGRADE                     |              |  |                          |
| ALUM. CANE RAILS<br>TYPE 3 AND TYPE 4 RAILS      |              |  | DRAWING NUMBER<br>3 OF 3 |



END GUARDRAIL - MAKE 1



MARINE STRUCTURES  
ENGINEERING, INC.  
1004 COMMERCIAL AVE. #364  
ANACORTES, WA 98221

19 NOV 19

|                                                    |  |                          |  |
|----------------------------------------------------|--|--------------------------|--|
| <b>MANTLE INDUSTRIES, LLC.</b> PH (360) 332-5276   |  |                          |  |
| <b>1100-C YEW AVENUE, BLAINE, WASHINGTON 98230</b> |  |                          |  |
| SCALE:                                             |  | APPROVED BY:             |  |
| DATE: NOV '19                                      |  | DRAWN BY: KDL            |  |
|                                                    |  | REVISED:                 |  |
| KITSAP TRANSIT                                     |  |                          |  |
| ANNAPOLIS FERRY DOCK UPGRADE                       |  |                          |  |
| END GUARDRAIL<br>ELEVATION AND DETAILS             |  | DRAWING NUMBER<br>1 OF 1 |  |