

04/06/2021

Mark Shaeffer, PE  
Utilities Director  
City of Panama City Beach  
116 Arnold Rd, 2<sup>nd</sup> Floor  
Panama City Beach, FL 32413

**Subject: Addendum #2 Panama City Beach Lift Station #4 Replacement Project**

Dear Mr. Shaeffer,

We are submitting this addendum notification letter and attached information for the City of Panama City Beach Lift Station #4 Replacement Project (RFP# 03.04.21.RFP-Lift Station #4 Replacement Project). The ISS Team has reviewed the questions, updates, and attachments to be included and prepared them within the addendum as an addenda item or enclosure to this document.

## **ADDENDUM #2**

**To All Proposers:** This addendum is issued to modify the previously issued documents and/or given for information purposes and is hereby made a part of the bid documents. Bidders are reminded to acknowledge receipt of this addendum, and all other addenda issued during bidding, on the bid form prior to submittal.

### **CLARIFICATION & UPDATES**

1. This addendum responds to all submitted bidder questions as of 04/06/2021.
2. Additional information has been previously provided in the 04/05/2021 Addendum #1.

### **QUESTIONS**

- Q1. Question: Regarding the upcoming bid for the Lift Station #4 Replacement Project, I have attached the specification below for Anchoring Cement appearing in Section 05521

“Aluminum Pipe and Tube Railings”, Page 6, Paragraph 2.4 C. 2. It cannot be bid by a contractor as it is written.

Answer: Plan Sheet S-103, A1/S-103: The method of anchoring the tube railings (keynote 5-9.02) to the top wall of the Valve Vault shall be entirely by use of manufactured post base flanges. No recessed sleeves into the top of concrete walls will be allowed, no anchoring grout is required. Plan Sheet S-103, A1/S-103: Refer to the Thompson’s Aluminum TufLadder Specifications attached for the requirement of the step-thru aluminum ladder and self-closing gate.

Answer: Specification Section 05521 “Aluminum Pipe and Tube Railings”: In general, all references to Grout and Anchoring Cement, and “Sleeves” shall be removed; Para 1.5-B: Remove the words “grout, anchoring cement,”; Para 2.4 Grout and Anchoring Cement: Remove with all subparagraphs; Para 2.5 Fabrication: Remove subparagraphs J & K; Para 3.1-A: Remove the word “sleeves”; Para 3.4-A-1: Remove sub-paragraph 1 referencing grout or cement.

Q2. There is a spec section for Lightning Protection but do not see it called out on drawings. Do we need to include?

Answer: Yes, contractors will be required to include lightning protection as specified within the technical specifications.

Q3. Generator specs call out Generac, are Cummins, Kohler and Taylor approved equals?

Answer: ISS Plans and Specifications lists Generac for the basis of design, however Cummins, Kohler, and Caterpillar will be acceptable equals.

Q4. As the divider wall is a nonhydrostatic wall is a waterstop ring required on the 24” pvc pipe for the overflow basket?

Answer: Yes please provide a waterstop ring on the 24” overflow pipe located in the baffle wall.

Q5. Please verify the size of the ARVs. I have never seen an 8” ARV on an 8” pipe. Shouldn’t they be 2” ARVs?

Answer: This callout for the Air Release Valves (ARVs) is noted, the ARVs should be 2” size.

Q6. Who is responsible for the connections to the existing 12” forcemain and gravity sewer?

Answer: The connections of the gravity sewer, forcemain, water line, and any other work inside the right-of-way will be the responsibility of the contractor for the Powell Adams CRA Project. The contractor for the Lift Station #4 Project will be responsible only for the work outside of the right of way as depicted on the plans. The Lift Station #4 Project Contractor shall be in full coordination up to the right-of-way line point of connection with the Powell Adams CRA Project Contractor.

Q7. How will the operation of the station be tested without incoming flow? Will the startup be delayed until the CRA work is completed?

Answer: There is a valve, wye, and discharge pipe designed from the forcemain system into the new gravity sewer manhole to allow for the recycled looped pumping of water in order to test the lift station prior to the proposed completion of the connections inside the right-of-way. See Plan Sheet C-004.



Q8. In reading the measurement and Payment section of the Specs (0126-8), I was very surprised that you have the payment for the bonds & insurance spread out over the project duration. Historically Bonds and Insurance have been paid in full at the beginning of a project. Why this change in policy?

Answer: Specifications Section 01026: The Bid Item No. 13 (Bonds, Insurance) will be defined as follows: "Payment for the Bonds and Insurance shall be limited to seventy (70) percent payable at the first month's partial payment application and the remaining thirty (30) percent at the final partial payment application. The price for this item shall not exceed one (1) percent of the total base bid contract price. This item is a lump sum."

If you have any questions in regard to the content of this addendum, the responses, or require additional information please contact Brian Stahl, PE at (321) 622-4646 ext. 102 or via email at [bstahl@infrastructuress.com](mailto:bstahl@infrastructuress.com).

Respectfully,



Brian Stahl, PE  
Infrastructure Solution Services

Enclosure / Enclosures:

T. Williams Annotated Thompson's Aluminum TUFLADDER Specifications

CC:

Al Shortt, PE, City of Panama City Beach, [al.shortt@pcbfl.gov](mailto:al.shortt@pcbfl.gov)

Leah Bailey, City of Panama City Beach, [leah.bailey@pcbfl.gov](mailto:leah.bailey@pcbfl.gov)

Quinn Duffy, EI, Infrastructure Solution Services, [gduffy@infrastructuress.com](mailto:gduffy@infrastructuress.com)

J. Thomas Williams, PE, Infrastructure Solution Services, [twilliams@infrastructuress.com](mailto:twilliams@infrastructuress.com)



## A. Specifications for Aluminum Ladder

1. Ladder shall be **TUFLADDER** as manufactured by Thompson Fabricating Company (Birmingham, Alabama) or approved equal.
2. **Rung Description**  
The rung shall be designed to provide a non-slip power grip surface with a flat 1" wide striated top surface and a semi-circular bottom. The straight sides and semicircular bottom shall have striations at approximately 5/16" centers for gripping surface. The rung shall be an aluminum extrusion, alloy 6063-T6, of sufficient section modulus and moment of inertia to withstand the design loads.
3. **Side Rail Description**  
The side rail shall be 1 1/2" Schedule 40 pipe, alloy 6063-T6, 6105-T5 or 6061-T6. Pipe shall conform to ASTM-B-429 or ASTM-B-221.
4. **Codes**  
The ladder shall meet the requirements of OSHA and ANSI-A14.3.
5. **Design Loads**
  - a) Ladder rungs shall be designed to withstand a concentrated load of 250 pounds plus 30% impact. Maximum rung deflection shall not exceed L/360. The design load shall be applied at the center of the rung on a 4" wide area.
  - b) Ladder side rails shall be designed to withstand a minimum live load of two 250 pound loads plus 30% impact concentrated between any two consecutive attachments.
6. **Testing**  
Submit test reports for the Engineer's approval to verify design loads and deflections on the rungs and rung to side rail attachments. Testing to be verified by an independent testing laboratory. The design load, 325 pounds (250x1.3), shall be applied at the center of the rung on an area 4" wide. The test rung will be attached to the side rails in the same manner as the production ladder. Design loads shall be applied and released a minimum of 200,000 times to demonstrate

fatigue resistance and a safe extended service life. Deflection shall be checked periodically and shall not exceed L/360 at any time under full design load. At completion of testing the rung and attachments to the side rail shall be inspected for cracks, looseness, distortion, bending (permanent set) or other obvious damage.

## 7. Finish

Pipe for side rails shall have the same finish as handrail if the ladder is located at an opening in handrail. Rungs, cage and brackets are to be "mill" finish.

## 8. Guarding Floor and Wall Openings and Holes [OSHA 1910.23(a)(2)]

*The ladder walk-through may require a self-closing gate in accordance with OSHA 1910.23.*

Every ladderway floor opening or platform shall be guarded by a standard railing with standard toe board on all exposed sides (except at entrance to opening), with the passage through the railing either provided with a swinging gate or so offset that a person cannot walk directly into the opening. Self-closing gates are required only where shown on plans.

## B. Specifications for Aluminum Ladder Cage.

1. Cage general design and size shall be in accordance with ANSI-A14.3. The cage shall be shipped knocked down for field assembly.
2. The prefabricated horizontal bands shall be aluminum bars, alloy 6061-T6, 3"x1/4" for the top and bottom bands and 2"x1/4" for the intermediate bands.
3. The pre-cut, pre-drilled vertical bars shall be aluminum bars 1 1/2"x3/16", alloy 6061-T6.
4. All necessary stainless hardware shall be furnished for field assembly of the cage.
5. Cages are required on ladders only where shown on plans.

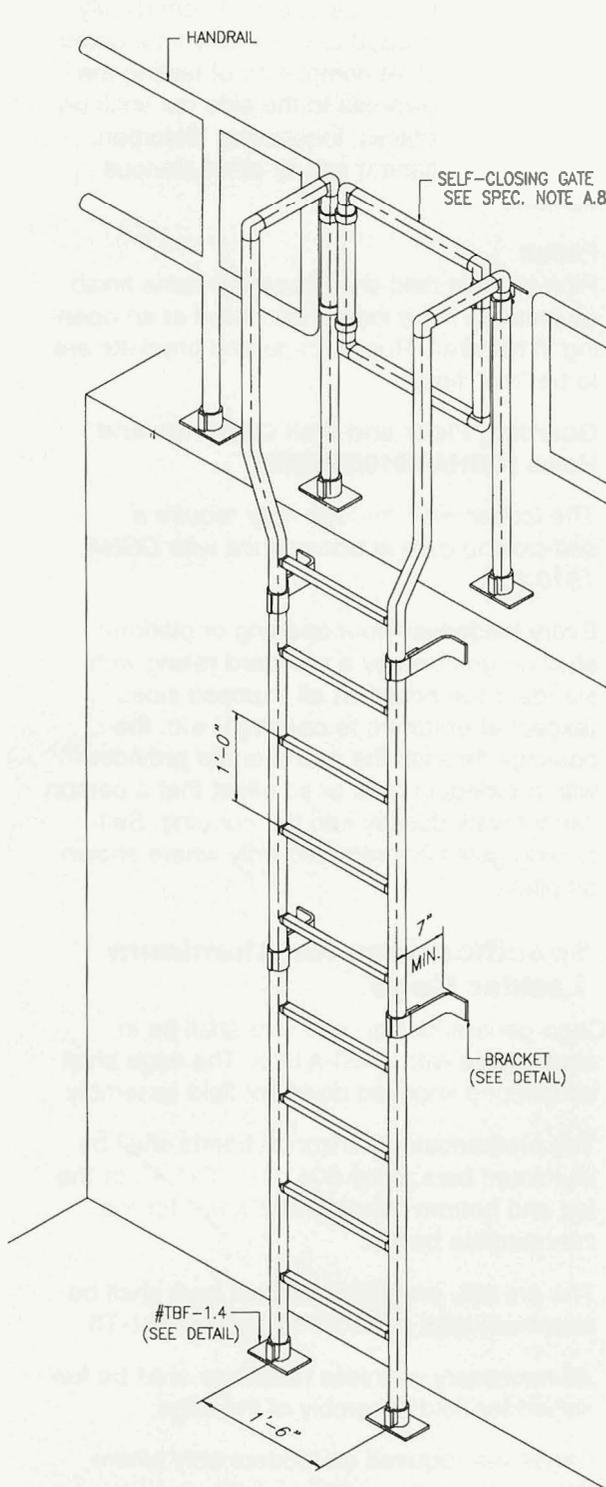


THOMPSON FABRICATING COMPANY  
P.O. BOX 170160, BIRMINGHAM, ALABAMA 35217-0160. 205/841-0441  
TOLL FREE: 1-800-824-6182

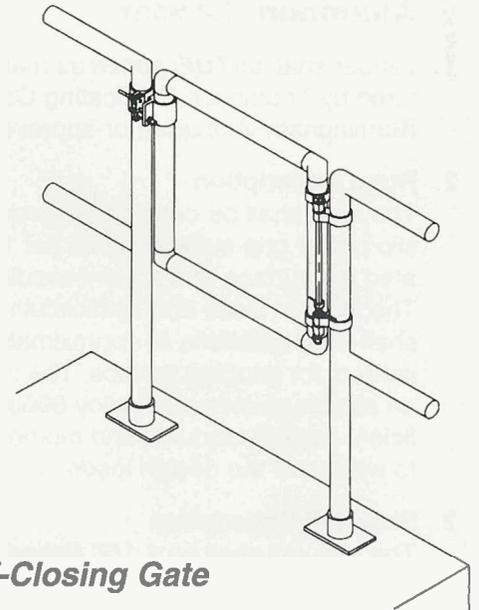
ISSUED AS ADDENDA 01  
J. Thomas Williams P.E.  
3 pages

# Details

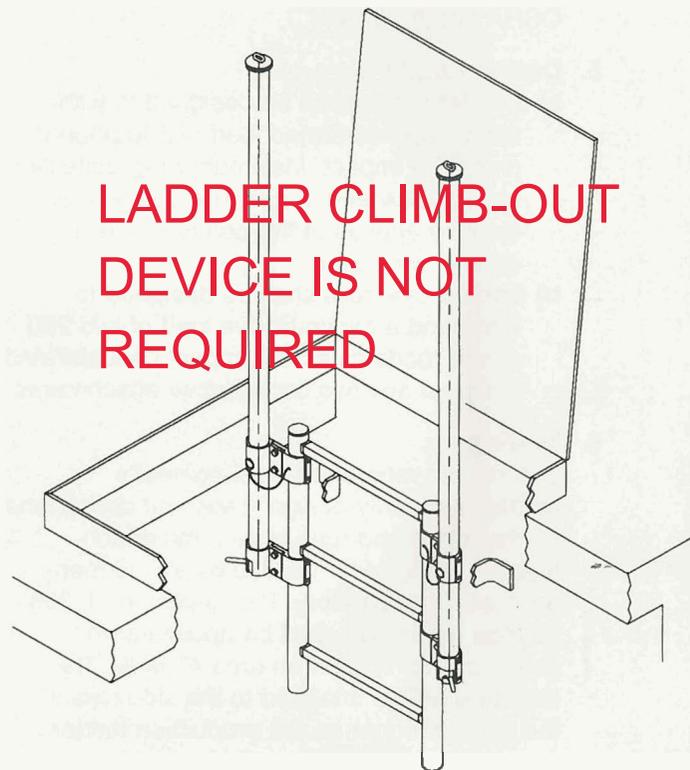
**TF** Thompson's Aluminum  
**TUFLADDER**



**Typical Ladder Elevation**

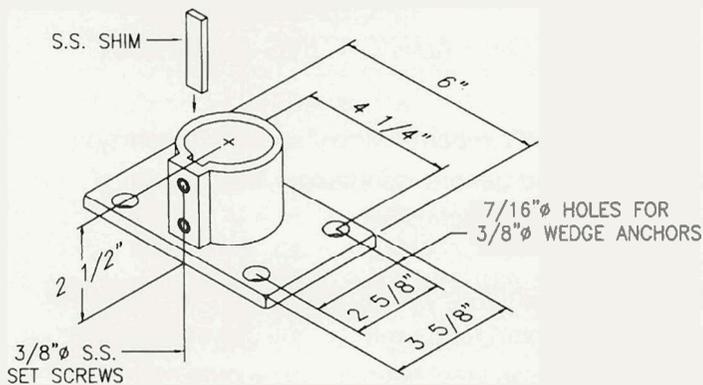


**Self-Closing Gate**

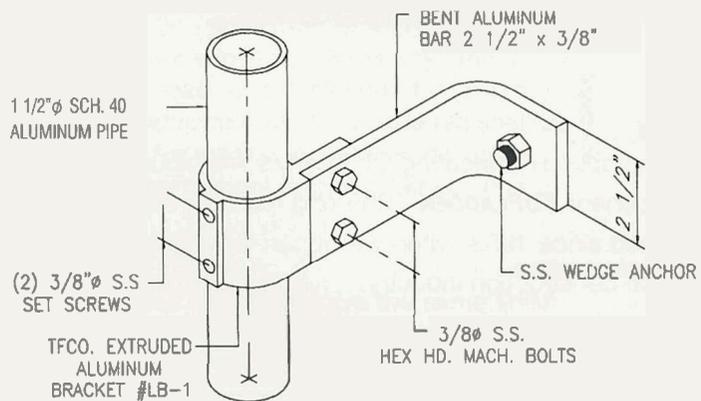


**LADDER CLIMB-OUT  
DEVICE IS NOT  
REQUIRED**

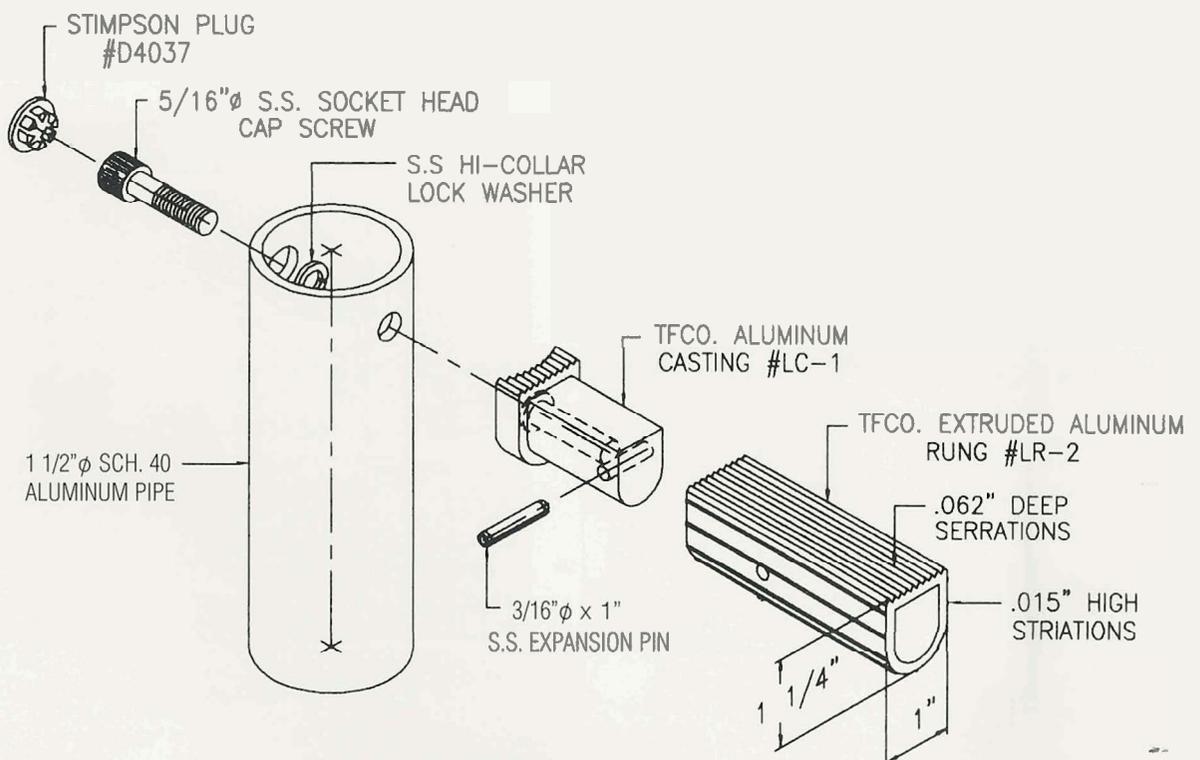
**Ladder Climb-out Device**



**Detail of #TBF-1.4 Base Flange**



**Detail of Ladder Bracket**



**Detail of Ladder Rung**



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