



Interior - Domestic  
Water Above - L  
COPPER

Date \_\_\_\_\_

## Product Certification

Mueller Copper Tube products are all manufactured in the USA. All tubing produced in Fulton, MS, and Wynne, AR, is seamless and of UNS C12200 grade of copper and is manufactured to meet the chemical and mechanical properties of the applicable ASTM specifications set forth below. When specified at order placement, Mueller Copper Tube can supply Certified Tube to meet all requirements of the current applicable ASTM specification, at an additional cost.

Streamline Copper Water Tube (Types K,L,M)  
ASTM B88 and ANSI/NSF 61

~~Streamline Copper Refrigeration Service Coils  
ASTM B280~~

~~Streamline Nitrogenized ACR Hard Drawn  
Copper Tube - ASTM B280~~

~~Streamline Copper Drainage Tube (DWV)  
ASTM B306~~

- \* Please contact Technical Services for certification in Oxygen and Medical service tube. (1.662.862.1700)  
Oxygen & Medical Service Tube - To ASTM B819 (Types K & L) Hard Drawn Straight Lengths Only in Accordance To CGA Cleanness Specification; CGA G4.1 (Compressed Gas Association); & NFPA 99 (Health Care Facilities).

NSF 61 Restriction Statement: "Copper Tube (Alloy C12200) is certified by NSF to ANSI/NSF Standard 61 for public water supplies meeting or in the process of meeting the U.S. EPA Lead and Copper Rule (56FR 26460, June 7, 1991). Water supplies with pH less than 6.5 may require corrosion control to limit copper solubility in drinking water."

P. O. BOX 849 ♦ FULTON, MS 38843 ♦ (662) 862-1700 ♦ FAX (662) 862-3002

P. O. BOX 309 ♦ WYNNE, AR 72396 ♦ (870) 238-3201 ♦ FAX (870) 238-8724

## Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: October 11, 2016

Attention: [stl-cac@cannondesign.com](mailto:stl-cac@cannondesign.com)

Contact Person / WTA Field Inspector:  
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mike Whitworth (WES)

Project No. WT 14127.01  
WES 607

☐ UPS ☐ Courier ☒ **Email**

| Copies | No.        | Description                                                     |
|--------|------------|-----------------------------------------------------------------|
| 1 PDF  | 221116P01A | (Submittal No.'s) -                                             |
|        |            | (Cannon #221116-001) – (Paric #15051-0257) – (WES #607)         |
|        |            | • <b>Domestic Water Piping Product Data REV 1 - Resubmittal</b> |
|        |            |                                                                 |
|        |            |                                                                 |

**\*Remarks: See Submittal Review from Webb Engineering.**

c: **Kelvin Patel**  
[Kpatel@cannondesign.com](mailto:Kpatel@cannondesign.com)

☒ **\*Reviewed**

☒ **\*No Exceptions Taken**

☐

☒ **\*Amend and Resubmit**

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.



1400 S. 3<sup>rd</sup> Street, Suite 201  
St. Louis, Missouri 63104  
Phone: (314) 588-0600  
Fax: (314) 588-0604

# Letter of Transmittal

To: **wtashop@wmtao.com**

From: **Mike Whitworth**

Date: **October 8, 2016**

Re: **Webster University ISB**

WES No: **607**

☐ For your Files

☐ For Review

☐ Please Comment

☐ Please Reply

| Item No. | Description                                                        | No. of Copies | Date       |
|----------|--------------------------------------------------------------------|---------------|------------|
| 1        | Shop Drawing Review – Resubmittal<br>22 1116 Domestic Water Piping | 1             | 10-10-2016 |
|          |                                                                    |               |            |
|          |                                                                    |               |            |
|          |                                                                    |               |            |

•Signature: Mike Whitworth

**WEBB  
ENGINEERING  
SERVICES INC.**[www.webb-engineering.com](http://www.webb-engineering.com)

The review of this submittal is limited to the general conformance with the designated design concept and intent of this project and with the general compliance of the information provided in the contract documents. All comments, remarks and notations made on the submittal(s) as a result of this review do not relieve the contractor from full compliance with requirements of the contract documents. Approval for a specific item shall not include approval of an assembly of which the item is not a component. The contractor is solely responsible for rough-in and installation confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordination of this work with that of other trades on this project; and in a safe and satisfactory manner. All work shall be installed in full compliance with the manufacturer's recommendation, Federal, State and Local rules and regulation and the Authority Having Jurisdiction (AHJ) and applicable adopted codes and standards.

PROJECT NAME: Webster University ISBLOCATION: St. Louis MissouriCLIENT PROJ. No.: N/AWES PROJ. No.: 607SPEC SECTION: 22 1116  
Domestic Water PipingSUBMITTAL ITEM:: See Below -CONTRACTOR: Deluca Plumbing, LLC.CTR. SUBMITTAL # 22 1116-01R (RESUBMITTA)LSUBMITTAL DATE: August 31, 2016DATE RECEIVED: October 04, 2016RECEIVED VIA: E-MailRECEIVED FROM: WTADATE RETURNED: OCTOBER 08, 2016RETURNED VIA: E-MAILRETRURNED TO: WTASHOP@WMTAO.COM

## STATUS KEY:

| NEC                                                                                                                                 | NO EXCEPTION TAKEN |                                         |                    |                        |                                                                                              |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------|--------------------|------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                     | MCN                | MAKE CORRECTIONS NOTED, NO RESUBMITTAL: |                    |                        |                                                                                              |                                                                                                                                                                                                     |
|                                                                                                                                     |                    | AAR                                     | AMEND AND RESUBMIT |                        |                                                                                              |                                                                                                                                                                                                     |
|                                                                                                                                     |                    |                                         | REJ                | REJECTED, SEE REMARKS: |                                                                                              |                                                                                                                                                                                                     |
|                                                                                                                                     |                    |                                         |                    | REV                    | REVIEWED ONLY                                                                                |                                                                                                                                                                                                     |
|                                                                                                                                     |                    |                                         |                    |                        | ITEM                                                                                         | REMARKS                                                                                                                                                                                             |
| This resubmittal is the same as what was reviewed and commented on prior, without addressing the comments on that submittal review. |                    |                                         |                    |                        |                                                                                              |                                                                                                                                                                                                     |
| X                                                                                                                                   |                    |                                         |                    |                        | Copper Tubing<br>Mueller Industries, Inc.<br>Type 'L' Copper                                 |                                                                                                                                                                                                     |
| X                                                                                                                                   |                    |                                         |                    |                        | Copper Fittings – 2" and smaller<br>Elkhart Products Corp.<br>Wrought Copper Solder Joint    |                                                                                                                                                                                                     |
|                                                                                                                                     |                    | X                                       |                    |                        | Fabricated Flange Pipes<br>U.S. Pipe Fabrication, LLC                                        | 1. Type and size not indicated on submittal. Mark on the submittal page the type/style that is intended for this project.                                                                           |
|                                                                                                                                     |                    | X                                       |                    |                        | Wheatland Tube Co.<br>Hot Dipped Galvanized Interior<br>Combined Domestic Water/Fire Service | 1. Submittal does not address service pipe size. The submittal data sheet does not show piping above 4 inch. The combination service size is 8". Submit a data sheet that covers service pipe size. |
| X                                                                                                                                   |                    |                                         |                    |                        | Grooved End Fittings<br>Victaulic<br>Cat. 07.01, Pgs 1, 2 3                                  |                                                                                                                                                                                                     |
| X                                                                                                                                   |                    |                                         |                    |                        | Rigid Coupling<br>Victaulic<br>Style 107N<br>Cat. 06.023, Pgs 1 ,2                           |                                                                                                                                                                                                     |

REVIEWED BY: Michael R. WhitworthDATE: October 08, 2016

THESE COMMENTS ARE TO BE ATTACHED TO ALL COPIES OF THE SHOP DRAWING REFERENCED ABOVE.

## SUBMITTAL IDENTIFICATION SHEET

**To be completed by Contractor/CM**

|                               |                                   |
|-------------------------------|-----------------------------------|
| PROJECT NAME                  |                                   |
| <input type="text"/>          |                                   |
| ADDRESS                       |                                   |
| <input type="text"/>          |                                   |
| NUMBER                        |                                   |
| <input type="text"/>          |                                   |
| OWNER                         |                                   |
| <input type="text"/>          |                                   |
| ARCHITECT / ENGINEER          |                                   |
| <input type="text"/>          |                                   |
| SUBMITTED BY                  |                                   |
| <input type="text"/>          | <input type="text"/>              |
| CONTRACTOR / CM SUBMITTAL NO. | CANNON DESIGN SUBMITTAL NO.       |
| <input type="text"/>          | <input type="text"/>              |
| DRAWING / DETAIL REFERENCE    | SPECIFICATION SECTION / PARAGRAPH |
| <input type="text"/>          | <input type="text"/>              |
| MANUFACTURER / SUPPLIER       | ITEM / PRODUCT ID                 |
| <input type="text"/>          | <input type="text"/>              |
| REQUIRED DATE                 | PRIORITY                          |
| <input type="text"/>          | <input type="text"/>              |
| CRITICALITY                   |                                   |
| <input type="text"/>          |                                   |

**To be completed by Reviewer**

|                                |
|--------------------------------|
|                                |
| CANNON DESIGN SUBMITTAL NUMBER |
|                                |
| RECEIVED DATE                  |

- ☐ **A. No Exceptions Taken**  
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**  
Incorporate corrections in work;  
resubmission is not required.
- ☐ **C. Revise and Resubmit**  
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**  
Submittal is not in compliance with Contract Documents;  
provide new submittal.
- ☐ **E. For Record / Information Only**  
Submittal was reviewed for Record / Information  
purposes only.
- ☐ **F. Not Required for Review**  
Submittal is not required by Contract Documents  
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

## ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings      ☐ Certification / Qualifications      ☐ Coordination Drawing  
☐ Samples      ☐ Record Documents      ☐ Calculations  
 ( \_\_\_\_\_ copies)      ☐ Product Data      ☐ Schedules  
☐ LEED Submittal      ☐ O&M Manuals  
☐ Other \_\_\_\_\_

## ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action      ☐ Information Only      ☐ Record

## REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION  
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION  
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

**Devin D. Gates**

|             |      |
|-------------|------|
|             |      |
| REVIEWED BY | DATE |

## A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

|             |      |
|-------------|------|
|             |      |
| REVIEWED BY | DATE |



77 Westport Plaza  
Suite 250  
St. Louis, MO 63146

**TRANSMITTAL**

**No. 15051-0257**

*Paric Corporation*

**PROJECT:** 15051-Webster University Interdisciplinary Science Building

**DATE:** 09/30/2016

**TO:** Cannon Design  
1100 Clark Ave  
St Louis MO 63102

**RE:** Domestic water piping product data REV 1

**ATTN:** Kelvin Patel

**JOB:** 15051

| WE ARE SENDING:                                         |  | SUBMITTED FOR:                               | ACTION TAKEN:                                            |
|---------------------------------------------------------|--|----------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Shop Drawings                  |  | <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Approved as Submitted           |
| <input type="checkbox"/> Letter                         |  | <input type="checkbox"/> Your Use            | <input type="checkbox"/> Approved as Noted               |
| <input type="checkbox"/> Prints                         |  | <input type="checkbox"/> As Requested        | <input type="checkbox"/> Returned After Loan             |
| <input type="checkbox"/> Change Order                   |  | <input type="checkbox"/> Review and Comment  | <input type="checkbox"/> Resubmit                        |
| <input type="checkbox"/> Plans                          |  |                                              | <input type="checkbox"/> Submit                          |
| <input type="checkbox"/> Samples                        |  | SENT VIA:                                    | <input type="checkbox"/> Returned                        |
| <input type="checkbox"/> Specifications                 |  | <input type="checkbox"/> Attached            | <input type="checkbox"/> Returned for Corrections        |
| <input checked="" type="checkbox"/> Other: Product Data |  | <input type="checkbox"/> Separate Cover Via: | <input checked="" type="checkbox"/> Due Date: 08/26/2016 |

| Item      | Package | Code       | Rev. | Copies | Date       | Description                              | Status    |
|-----------|---------|------------|------|--------|------------|------------------------------------------|-----------|
| Submittal |         | 221116-001 | 2    |        | 09/30/2016 | Domestic water piping product data REV 1 | Submitted |

**NOTES:**

**CC:**

Signed: \_\_\_\_\_  
Devin Gates

## **Shop Drawing Submittal**

Project Name: **WEBSTER ISB**

Specification # **221116-01R**

Specification Description: Domestic Water Piping

**Schedule**

- Ductile Iron from 5' out through Foundation Wall - 8"
- Grooved Galvanized Pipe (combined Fire / Water Inside Building) - 8"
- Copper w/ Sweat Fittings (2" and Smaller)
- Grooved Copper with Victaulic Fittings (2.5" and Larger)

Date: 08-31-16

General Contractor / Construction Manager: Paric

Contractor: DeLuca Plumbing, L.L.C.  
8465 Delport Drive  
St. Louis, MO 63114

Supplier: Various

Manufacturer: Various

Reviewed & Approved by: DeLuca Plumbing 08-31-16

Action: Forward to GC/CM for Review & Approval

EoR Comments in Blue Text and Clouds