

SCHEDULE 40 STEEL PIPE

The Schedule 40 ferrous steel piping, black or galvanized, used on this project shall meet or exceed one of the following NFPA 13 (2007 Edition) standards found in Section 6.3, Aboveground Pipe and Tube:

1. ASTM A795 -- Specification for Black and Hot-Dipped Zinc Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use.
2. ANSI/ASTM A53 -- Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
3. ASTM A135 -- Specification for Electric Resistance -- Welded Steel Pipe.

The following is a list of ferrous piping Manufacturers that Ahern Fire Protection may use on this project. This list also indicates the ASTM conformance standard(s) as well as the current UL Listing (VIZY-2005) and/or FM Approval (STEEL PIPE-2006) for each brand of pipe.

**Allied Tube and Conduit Corp.**

- UL Listed Sizes 1" through 2-1/2"
- FM Approved Sizes 1" through 2-1/2"
- ASTM A135 & ASTM A123

**Bull Moose Tube Co.**

- UL Listed Sizes 1" through 4"
- FM Approved Sizes 1" through 4"
- ASTM A135 & ASTM A795

**Wheatland Tube Co.**

- UL Listed Sizes 1" through 2"
- FM Approved Sizes 1" through 2"
- ASTM A135, ASTM A795, & ASTM A53F 1" through 6"

**Youngstown Tube Company**

- Black UL Listed / FM Approved Sizes 1" through 2"
- Galvanized UL Listed only – 1" through 2"
- ASTM A135/A795 Type E, Grade A, NH standards

| Nominal | Minimum I.D. |
|---------|--------------|
| 1       | 1.049        |
| 1.25    | 1.38         |
| 1.5     | 1.61         |
| 2       | 2.067        |
| 2.5     | 2.469        |
| 3       | 3.068        |
| 4       | 4.026        |

If necessary, the Manufacturer's Technical Data Sheets for each of these products can be obtained from Ahern Fire Protection. Please contact the Ahern Fire Protection District office indicated on the cover of this submittal package.

## Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: December 14, 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

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UPS

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Courier

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Email

| Copies | No.       | Description                                               |
|--------|-----------|-----------------------------------------------------------|
| 1 PDF  | 210517F01 | (Submittal No.'s:)                                        |
|        |           | (Cannon #210517-002) - (Paric #15051-0350) – (WES #607)   |
|        |           | ➤ <b>Sleeves for Fire Suppression Piping Product Data</b> |
|        |           |                                                           |
|        |           |                                                           |

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

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

☒

**\*Reviewed**

☒

**\*No Exceptions Taken**

☐☐

**\*Make Corrections As Noted,  
No Resubmittal Required**

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: **December 09, 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 – (210517-002)<br>210517 Sleeves and Sleeve Seals for Fire Suppression Piping | 1             | 12/09/16 |
|          |                                                                                                   |               |          |
|          |                                                                                                   |               |          |
|          |                                                                                                   |               |          |

•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 ISB

LOCATION: St. Louis Missouri

CLIENT PROJ. NO.: N/A

WES PROJ. NO.: 607

SPECIFICATION SECTION: 210517  
Sleeves and  
Sleeve Seals for  
Fire Suppression  
Piping

SUBMITTAL ITEM: See Below -

CONTRACTOR: J.F. Ahern Co.

CTR. SUBMITTAL #: 21 0517-002

SUBMITTAL DATE: November 29, 2016

DATE RECEIVED: December 07, 2016

RECEIVED VIA: E-Mail

RECEIVED FROM: WTA

DATE RETURNED: DECEMBER 09, 2016

RETURNED VIA: E-MAIL

RETRURNED TO: WTASHOP@WMTAO.COM

STATUS KEY:

| NO EXCEPTION TAKEN                      |     |     |     |     |                                |         |
|-----------------------------------------|-----|-----|-----|-----|--------------------------------|---------|
| MAKE CORRECTIONS NOTED, NO RESUBMITTAL: |     |     |     |     |                                |         |
| AMEND AND RESUBMIT                      |     |     |     |     |                                |         |
| REJECTED, SEE REMARKS:                  |     |     |     |     |                                |         |
| REVIEWED ONLY                           |     |     |     |     |                                |         |
| NEC                                     | MCN | AAR | REJ | REV | ITEM                           | REMARKS |
| X                                       |     |     |     |     | Schedule 40 Steel Pipe Sleeves |         |

REVIEWED BY: Michael R. Whitworth DATE: December 09, 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

|                               |                                   |
|-------------------------------|-----------------------------------|
| <input type="text"/>          |                                   |
| 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"/>              |
|                               | <input type="radio"/> CRITICAL    |

#### ITEM BEING SUBMITTED (check only one)

- |                                       |                                        |                                            |
|---------------------------------------|----------------------------------------|--------------------------------------------|
| <input type="radio"/> Shop Drawings   | <input type="radio"/> Certification /  | <input type="radio"/> Coordination Drawing |
| <input type="radio"/> Samples         | <input type="radio"/> Qualifications   | <input type="radio"/> Calculations         |
| <input type="radio"/> ( _____ copies) | <input type="radio"/> Record Documents | <input type="radio"/> Schedules            |
| <input type="radio"/> LEED Submittal  | <input type="radio"/> Product Data     | <input type="radio"/> O&M Manuals          |
| <input type="radio"/> Other _____     |                                        |                                            |

#### ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action
 ☐ Information Only
 ☐ Record

#### REMARKS OR DEVIATIONS

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#### 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.

By:

Devin D. Gates

|                      |                      |
|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> |
| REVIEWED BY          | DATE                 |

### To be completed by Reviewer

|                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------|
| <input type="text"/>                                                                                                                  |
| CANNON DESIGN SUBMITTAL NUMBER                                                                                                        |
| <input type="text"/>                                                                                                                  |
| RECEIVED DATE                                                                                                                         |
| <input type="radio"/> <b>A. No Exceptions Taken</b><br>No further review of submittal is required.                                    |
| <input type="radio"/> <b>B. Make Corrections Noted</b><br>Incorporate corrections in work; resubmission is not required.              |
| <input type="radio"/> <b>C. Revise and Resubmit</b><br>Revise as noted, and resubmit for review.                                      |
| <input type="radio"/> <b>D. Rejected</b><br>Submittal is not in compliance with Contract Documents; provide new submittal.            |
| <input type="radio"/> <b>E. For Record / Information Only</b><br>Submittal was reviewed for Record / Information purposes only.       |
| <input type="radio"/> <b>F. Not Required for Review</b><br>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.

#### A/E COMMENTS

☐ See attached sheet(s) for additional comments

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| <input type="text"/> | <input type="text"/> |
| REVIEWED BY          | DATE                 |



77 Westport Plaza  
Suite 250  
St. Louis, MO 63146

**TRANSMITTAL**

**No. 15051-0350**

*Paric Corporation*

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

**DATE:** 11/29/2016

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

Fax;  
314-241-2203

**RE:** Sleeves for Fire Suppression Piping  
Product Data

**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                        | <b>SENT VIA:</b>                             | <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 type="checkbox"/> Due Date:                |

| Item      | Package | Code       | Rev. | Copies | Date       | Description                                      | Status    |
|-----------|---------|------------|------|--------|------------|--------------------------------------------------|-----------|
| Submittal |         | 210517-002 | 1    |        | 11/29/2016 | Sleeves for Fire Suppression Piping Product Data | Submitted |

**NOTES:**

**CC:**

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