POTTER ROEMER FIRE PRO™
Member of Morris Group International™

# CONNECTIONS (FDC)
## FLUSH FIRE PUMP TEXT CONNECTIONS AND VARIATIONS

Model/Series No.
**5862-5865 SERIES**

## SPECIFICATIONS

### PUMP TEST CONNECTION

Cast brass body with end inlet, size and number of outlets as selected by model number. Brass plate lettered “PUMP TEST CONNECTION,” Brass NRS hose gate valves with loose bonnets, 3” female, NPT inlet x 2-1/2” Male hose thread outlet, with caps and chains.

### VARIATIONS

**-1** - Ductile Iron Body with red glossy polyester coating. Inlet size, location and number of outlets as selected by model number and as indicated on Variation Chart.

**-2, -3** - Brass or ductile iron body. Inlet size, location and number of outlets as selected by model number and as indicated on Variation Chart.

**-4, -5** - Square four way brass or ductile iron body. Back or angle inlet as selected and indicated on Variation Chart.

**-6** - Male 2-1/2” hose thread snoots with cap and chain instead of affixed valves. Number of outlets as selected by model number and as indicated on Variation Chart.

**-7** - Male 2-1/2” hose thread snoots, caps and chains, and removable swivel hose gate valves.

## MODEL SELECTION

- ❑ **5862**
- ❑ **5863**
- ☑ **5864**
- ❑ **5865**

## VARIATION SELECTION

### BODY MATERIAL:

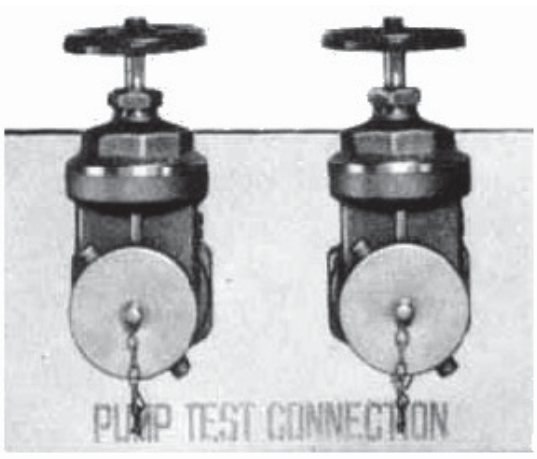
- ❑ **-1** Ductile Iron
- ❑ **-1.5** Steel

### BODY INLET:

- ❑ **-2** Back
- ❑ **-3** Angle
- ❑ **-4** Square Back, Brass or Ductile
- ❑ **-5** Square Angle, Brass or Ductile

### OUTLETS:

- ☑ **-6** Male Snoots, Caps, and Chains
- ❑ **-7** Male Snoots, Caps, and Chains and Removable Swivel Hose Gate Valves (Valves normally furnished rough brass)




MODEL 5862 (Shown)

## PRODUCT OPTIONS

### FINISHES:

- ❑ -B Polished Brass
- ❑ -C Polished Chrome Trim, Rough Chrome Valves
- ☑ -D Polished Chrome Plated

### THREADS:

- ☑ N.S.T.
- ❑ Other _____

Assembly to be mounted vertically, in space available.

*Call Potter Roemer - Fire Pro for current listings and approvals. Dimensions are subject to manufacturer’s tolerance and may change without notice. Potter Roemer-Fire Pro assumes no responsibility for use of void or superceded data. © Copyright Potter Roemer- Fire Pro, Member of Morris Group International ™ Please visit **potterroemer.com** for most current specifications.*



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**POTTER ROEMER/FIRE PRO**
Headquarters:
P.O. Box 3527
City of Industry, CA
91744 U.S.A.
Los Angeles Area
800-366-3473
626-855-4890

Also in:
New York (800) 526-4592
Chicago (800) 547-3473
Atlanta (800) 762-0542
Miami (866) 961-3473
Dallas (866) 644-3473

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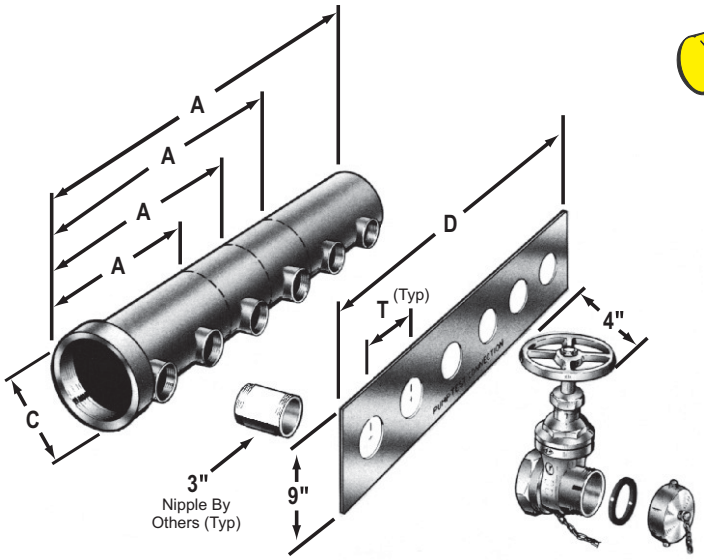
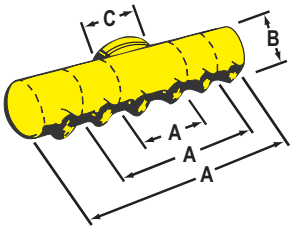
## AVAILABLE VARIATIONS BY MODEL NUMBER

| Suffix No. | Model No. | | | |
|---|---|---|---|---|
| | 5862 | 5863 | 5864 | 5865 |
| **Body Material** | | | | |
| **-1** Ductile | Yes | No | Yes | No |
| **Body Inlet** | | | | |
| **-2** Back | Yes | No | Yes | Yes |
| **-3** Angle | Yes | No | Yes | Yes |
| **-4** Sq. Back, Brass or Ductile | No | No | Yes | No |
| **-5** Sq. Angle, Brass or Ductile | No | No | Yes | No |
| **Outlets** | | | | |
| **-6** Male Snoots, Caps, and Chains | Yes | Yes | Yes | Yes |
| **-7** Male Snoots, Caps and Chains, and Removable Swivel Hose Gate Valves | Yes | Yes | Yes | Yes |

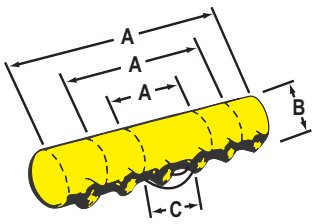
## MODEL DIMENSIONS

| Model No. | Pump Size G.P.M. | Inlet Size | Number Outlets | A | B | C | D |
|---|---|---|---|---|---|---|---|
| **5862** | 500 | 4" | 2 | 15-1/4 | 5-1/4 | 6 | 16 |
| **5863** | 750 | 6" | 3 | 22-1/4 | 6-1/4 | 6-3/4 | 23 |
| **5864** | 1000 | 6" | 4 | 28-3/4 | 7-3/4 | 7-3/4 | 30 |
| **5865** | 2000 | 8" | 6 | 43 | 7-3/4 | 9-3/4 | 44 |

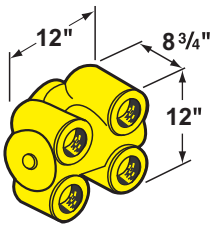


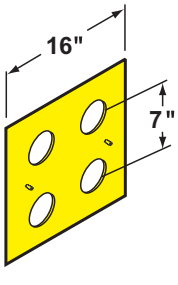



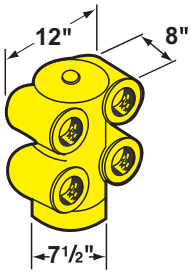

-2 BACK INLET




-3 ANGLE INLET




-4 SQUARE BODY BACK INLET

-5 SQUARE BODY ANGLE INLET

*Call Potter Roemer - Fire Pro for current listings and approvals. Dimensions are subject to manufacturer's tolerance and may change without notice. Potter Roemer-Fire Pro assumes no responsibility for use of void or superceded data. © Copyright Potter Roemer- Fire Pro, Member of Morris Group International ™ Please visit* ***potterroemer.com*** *for most current specifications.*



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**POTTER ROEMER/FIRE PRO**
Headquarters:
P.O. Box 3527
City of Industry, CA
91744 U.S.A.
Los Angeles Area
800-366-3473
626-855-4890

Also in:
New York (800) 526-4592
Chicago (800) 547-3473
Atlanta (800) 762-0542
Miami (866) 961-3473
Dallas (866) 644-3473

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WM TAO & ASSOCIATES
CONSULTING ENGINEERS

# Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: December 20, 2016

Attention: **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 [X] **Email**

| Copies | No. | Description |
|---|---|---|
| 1 PDF | 211313F02 | (Submittal No.'s:) |
| | | (Cannon #211313-015) - (Paric #15051-0349) – (WES #607) |
| | | ➢ **Wet Pipe Sprinkler System Product Data** |
| | | |
| | | |

## *Remarks: See Submittal Review from Webb Enginnering.

c: **Kelvin Patel**
Kpatel@cannondesign.com

[X] ***Reviewed**

[X] ***No Exceptions Taken -**

[X] ***Amend and Resubmit**

[X] ***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.

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SERVICES INC.

1400 S. 3rd 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 20, 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 – (213113-015)<br>211313 Wet Pipe Sprinkler System | 1 | 12/20/16 |
| | | | |
| | | | |
| | | | |

•Signature: Mike Whitworth

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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 I
LOCATION: St. Louis Missouri
CLIENT PROJ. NO.: N/A
WES PROJ. NO.: 607
SPECIFICATION SECTION: 211313 Wet Pipe Sprinkler System
SUBMITTAL ITEM: See Below -

CONTRACTOR: J.F. Ahern Co.
CTR. SUBMITTAL #: 21 1313-015
SUBMITTAL DATE: November 29, 2016
DATE RECEIVED: December 07, 2016
RECEIVED VIA: E-Mail
RECEIVED FROM: WTA
DATE RETURNED: DECEMBER 20, 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 |
|---|---|---|---|---|---|---|
| Pages numbers have been added to cut sheets for referencing | | | | | | |
| X | | | | | Page 001<br>Schedule 10 Pipe<br>Various Manufacturers | |
| X | | | | | Page 002<br>Schedule 40 Pipe<br>Various Manufacturers | |
| X | | | | | Pages 003 – 004<br>Test and Drain Valve<br>AGF Manufacture ring<br>Model – 1011A | |
| X | | | | | Pages 005 – 006<br>Backflow Preventer<br>Zurn Industries<br>Model – 350A | |
| X | | | | | Pages 007 – 008<br>Standard Duty Loop Hanger<br>Caddy<br>Model – 115 Series | |

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| | | | | | | |
|---|---|---|---|---|---|---|
| X | | | | | Pages 009 – 010<br>Universal Beam Clamp<br>Caddy<br>Model – 300 Series | |
| X | | | | | Pages 011 – 016<br>Carbon Steel Anchor<br>Screw<br>Hilti<br>Model – 3.3.5 KWIK HUS-EZ (KH-EZ1) | |
| X | | | | | Page 017<br>Riser Clamp<br>PHD Manufacturing<br>Model – Fig. 550-551-553 | |
| X | | | | | Page 018<br>Universal Restraining Strap<br>Afcon<br>Model - 162 | |
| X | | | | | Pages 019 – 027<br>Sleeve Expansion Anchors<br>Powers Fasteners<br>Model – Lok-Bolt Hex Head and Rod Hanger | |
| X | | | | | Pages 028 – 031<br>Strut Channel<br>Gregory Strut Products<br>Model – G712OS, G712A, G5820S, G582A and G1320OS | |
| X | | | | | Page 032<br>Surge Restraint 115<br>Caddy<br>Model – SR6 | |
| X | | | | | Page 033<br>Screw Anchor/Hanger<br>ITW<br>Model – Sammy X-Press | |
| | | X | | | Pages 034 – 039<br>Quick Response Dry Pendent Sprinkler<br>Viking<br>Model - SIN Not Specified | 1. SIN numbers listed in submittal (VK172, VK176, VK180 on pages 037/038) is not listed on the FP drawings in the Sprinkler schedule. |
| X | | | | | Pages 040 -043<br>Microfast Quick Response Upright Sprinkler<br>Viking<br>Model – SIN VK300 | |
| | | X | | | Pages 044 -049<br>Microfast Quick Response Pendent Sprinkler<br>Viking<br>Model – SIN VK302 | 1. SIN number listed in submittal (VK302 on pages 047/048) is not listed on the FP drawings in the Sprinkler schedule. |

| | | | | | | |
|---|---|---|---|---|---|---|
| X | | | | | Pages 050 – 055<br>Microfast Quick Response Horizontal Sidewall Sprinkler<br>Viking<br>Model – SIN VK305 | |
| X | | | | | Pages 056 – 059<br>Microfast Quick Response Upright Sprinkler<br>Viking<br>Model – SIN VK350 | |
| | | X | | | Pages 060 – 065<br>Microfast Quick Response Pendent Sprinkler<br>Viking<br>Model – SIN VK352 (K8.0) | 1. SIN number listed in submittal (VK352 on pages 063/064) is not listed on the FP drawings in the Sprinkler schedule. |
| | | X | | | Pages 066 – 071<br>Microfast Quick Response Pendent Sprinkler<br>Viknig<br>Model – SIN VK352 (K8.0) | 1. SIN number listed in submittal (VK352 on pages 069/070) is not listed on the FP drawings in the Sprinkler schedule. |
| X | | | | | Pages 072 – 077<br>Mirage Standard and QR Concealed Pendent Sprinkler<br>Viking<br>Model – SIN VK462 | |
| X | | | | | Page 078<br>Spare Sprinkler Head Cabinet<br>FPPI<br>Model – Not indicated | |
| X | | | | | Page 079 – 089-091<br>Spare Sprinkler Head Cabinet<br>TYCO<br>Model – Not Indicated | |
| X | | | | | Pages 080 – 088<br>Sprinkler Escutcheons<br>Viking<br>Model - | |
| X | | | | | Pages 092 – 094<br>Sprinkler Guards<br>Viking<br>Model – D-1 | |
| X | | | | | Pages 095 – 100<br>Standard / QR Extended Coverage Upright Sprinkler<br>Viking<br>Model – SIN VK532 | |
| X | | | | | Pages 101 – 106<br>Standard / QR Extended Coverage Pendent Sprinkler<br>Viking<br>Model – SIN VK534 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| X | | | | | Pages 107 – 112<br>Mirage QR Extended Coverage Concealed Pendent Sprinkler<br>Viking<br>Model – SIN VK634 | |
| | | X | | | Pages 113 – 120<br>Concealed Dry Pendant Sprinkler<br>Reliable<br>Model – G5-56 Dry (SIN RA5114) | 1. Manufacturer and model/SIN number listed in submittal is not listed on the FP drawings in the Sprinkler schedule.<br>2. Color/finish of cover plate to be submitted to the Architect for review and approval. |
| X | | | | | Pages 121 - 124<br>Flexible Coupling<br>Victaulic<br>Model – Style 75 | |
| X | | | | | Pages 125 - 128<br>Reducing Coupling<br>Victaulic<br>Model – Style 750 | |
| X | | | | | Pages 129 – 131<br>FireLock Fittings<br>Victaulic<br>Model – Fire lock | |
| X | | | | | Pages 132 – 134<br>FireLock Rigid Coupling<br>Victaulic<br>Model – Style 005H | |
| X | | | | | Pages 135 – 136<br>Fire lock Flange Adapter<br>Victaulic<br>Model – Style 744 | |
| X | | | | | Pages 137 – 144<br>Mechanical T Bolted Branch Outlets<br>Victaulic<br>Model – Styles 920 and 920N | |
| X | | | | | Pages 145 – 149<br>Firelock Rigid Coupling<br>Victaulic<br>Model – Style 009N | |
| X | | | | | Pages 150 – 151<br>Threaded Mechanical Branch Tee<br>Anvil<br>Model – Fig. MT-30 | |
| X | | | | | Pages 152 – 153<br>Grooved Welded Steel Pipe Outlets<br>Vandewater International Inc.<br>Model - Various | |
| X | | | | | Pages 154 – 155<br>Welded Steel Pipe Outlets<br>Vandewater International Inc.<br>Model - Various | |

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| | | | | | | |
|---|---|---|---|---|---|---|
| X | | | | | Page 156<br>DI Threaded Fitting –<br>90 Elbow<br>Anvil<br>Model – Fig 3201 | |
| X | | | | | Page 157<br>DI Threaded Fitting –<br>45 Elbow<br>Anvil<br>Model – Fig 3202 | |
| X | | | | | Page 158<br>DI Threaded Fitting –<br>Reducing 90 Elbow<br>Anvil<br>Model – Fig 3201R | |
| X | | | | | Page 159<br>DI Threaded Fitting –<br>Straight T<br>Anvil<br>Model – Fig 3205 | |
| X | | | | | Pages 160 - 161<br>DI Threaded Fitting –<br>Reducing T<br>Anvil<br>Model – Fig 3205R | |
| X | | | | | Page 162<br>DI Threaded Fitting<br>Anvil<br>Model – Bull Head T | |
| X | | | | | Page 163<br>DI Threaded Fitting<br>Cross<br>Anvil<br>Model - 3207 | |
| X | | | | | Page 164<br>DI Threaded Fitting<br>Anvil<br>Model – 3221R | |
| X | | | | | Page 165<br>DI Threaded Fitting<br>Anvil<br>Anvil<br>Model - 3121 | |
| X | | | | | Page 166<br>DI Threaded Fitting<br>Cap<br>Anvil<br>Model - 3224 | |
| X | | | | | Page 167-168<br>DI Threaded Fitting<br>Bushing<br>Anvil<br>Model - 3283 | |

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| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | X | Pages 169 – 183<br>Flexible Sprinkler Hose<br>Victaulic<br>Model – Series AH2<br>Bracket AB1, AB7 and AB7 Adjustable | 1. This product is not listed in the construction documents for use on this project. Contractor has elected to incorporate into the delegated design. |
| X | | | | | Pages 184 – 185<br>Water Flow Detector<br>System Sensor<br>Model – WFD Series | |
| X | | | | | Pages 186 – 192<br>Supervisory Switch<br>Potter Electrical<br>Model – PCVS Series | |
| | X | | | | Pages 193 – 194<br>Electric Bell<br>Potter Electric<br>Model – Not Indicated | 1. Specified to be 10 inch diameter. Refer to specification section 211313, part 2.6, B4 and B-7. |
| X | | | | | Page 195<br>Service Gauge<br>Ashcroft<br>Model – 35W1005PH02LXUL300 | |
| X | | | | | Pages 196 – 199<br>Intumescent Sealent<br>STI<br>Model - Series LCI | |
| X | | | | | Page 200<br>Fire Pump Suction and Discharge Gauges<br>Alenco<br>Series AG-1000L | |
| X | | | | | Page 201<br>Suction and Discharge Gauge Assembly<br>A-C Fire Pump systems<br>Model – Not Indicated | |
| | X | | | | Pages 202 – 203<br>Fire Pump Test Header<br>Potter Roemer<br>Model – 5864-x-x-6-D-NST | 1. Assembly to be mounted vertically, in space available. |
| Note: Fire protection drawings list sprinkler Viking model Mirage, SIN VK464 (31 total) and Viking model Dry, Sin VK194, (24 total) in the Sprinkler Schedule. These two sprinkler heads are not included in this submittal. | | | | | | |

REVIEWED BY: Michael R. Whitworth DATE: December 20, 2016

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

CANNONDESIGN

# SUBMITTAL IDENTIFICATION SHEET

**To be completed by Contractor/CM**

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

211313-015
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

211313
SPECIFICATION SECTION / PARAGRAPH

Ahern Fire Protection
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples ( _____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◉ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ 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

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

Joe Voypick
REVIEWED BY

11/30/16
DATE

**To be completed by Reviewer**

21 1313-015
CANNON DESIGN SUBMITTAL NUMBER

11/30/16
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.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

# TRANSMITTAL

**No. 15051-0349**

*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:** Wet Pipe Sprinkler System Product Data

**ATTN:** Kelvin Patel

**JOB: 15051**

| WE ARE SENDING: | SUBMITTED FOR: | ACTION TAKEN: |
|---|---|---|
| ☐ Shop Drawings | ☑ Approval | ☐ Approved as Submitted |
| ☐ Letter | ☐ Your Use | ☐ Approved as Noted |
| ☐ Prints | ☐ As Requested | ☐ Returned After Loan |
| ☐ Change Order | ☐ Review and Comment | ☐ Resubmit |
| ☐ Plans | | ☐ Submit |
| ☐ Samples | **SENT VIA:** | ☐ Returned |
| ☐ Specifications | ☐ Attached | ☐ Returned for Corrections |
| ☑ Other: Product Data | ☐ Separate Cover Via: | ☐ Due Date: |

| *Item* | *Package* | *Code* | *Rev.* | *Copies* | *Date* | *Description* | *Status* |
|---|---|---|---|---|---|---|---|
| Submittal | | 211313-015 | 1 | | 11/29/2016 | Wet Pipe Sprinkler System Product Data | Submitted |

**NOTES:**

**CC:**

**Signed:** _____

Devin Gates