

## 211313 - Wet-Pipe Sprinkler System

301A

**Globe Pipe Hanger Products, Inc.**

14601 Industrial Pkwy

Cleveland, OH, 44135, US

Phone: 216.362.6300

Toll-free: (800) 338-3555

Email: [sales@globepipehanger.com](mailto:sales@globepipehanger.com)Website: <http://www.globepipehanger.com>

**All Categories > SilverHawk Top Beam Clamp > SilverHawk 100 Series Universal Beam Clamp > View Items**

**SilverHawk 100 Series Universal Beam Clamp**

*Check up to five results to perform an action.*

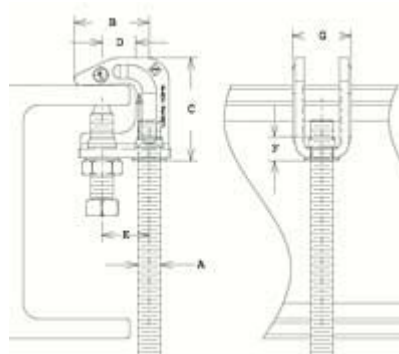
SilverHawk Top Beam Clamps are our strongest, lightweight top beam clamps. Made from cold rolled steel with a zinc plated finish, they are rust and corrosion resistant. These super strong SilverHawk clamps exceed UL and FM testing requirements. Zinc finish aesthetically works with plated rods and plated swivel ring hangers.

Tested by industry professionals, SilverHawk installation is quick and easy. Their unique counter balance design makes it easy to "spin" them onto threaded rods so installation goes faster. The open back shape provides visual verification during installation.

- Made in USA.
- Supports 3/8" rod – metric also available
- 90° angle fits I-beam or T-bar up to 3/4" thick
- Extruded tap holes meet FM Approvals requirements
- Accommodates retaining strap usage
- Competitively priced domestic par



[larger image](#)



[larger image](#)

Results 1 - 1 of 1

1

| <u>Item #</u>            | <u>A</u>   | <u>B</u>      | <u>C</u>     | <u>D</u>     | <u>E</u>   | <u>F</u>          | <u>G</u>     | <u>Max. Recommended Load</u> |
|--------------------------|------------|---------------|--------------|--------------|------------|-------------------|--------------|------------------------------|
| <a href="#">103-101S</a> | 3/8 inches | 1 3/16 inches | 1 5/8 inches | 17/32 inches | 3/4 inches | 3/8 (min.) inches | 15/16 inches | 400 lbs                      |

Results 1 - 1 of 1

1

**Print**

**Back**

## Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: December 20, 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

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Courier

☒

Email

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

☒

**\*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 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

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 211313  
SECTION: 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<br>Hanger<br>Caddy<br>Model – 115 Series   |         |

|   |  |   |  |                                                                                                                      |                                                                                                                                       |
|---|--|---|--|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 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-<br>EZ (KH-EZ1)                   |                                                                                                                                       |
| X |  |   |  | Page 017<br>Riser Clamp<br>PHD Manufacturing<br>Model – Fig. 550-551-553                                             |                                                                                                                                       |
| X |  |   |  | Page 018<br>Universal Restraining<br>Strap<br>Afcon<br>Model - 162                                                   |                                                                                                                                       |
| X |  |   |  | Pages 019 – 027<br>Sleeve Expansion<br>Anchors<br>Powers Fasteners<br>Model – Lok-Bolt Hex<br>Head and Rod Hanger    |                                                                                                                                       |
| X |  |   |  | Pages 028 – 031<br>Strut Channel<br>Gregory Strut Products<br>Model – G712OS,<br>G712A, G5820S, G582A<br>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<br>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<br>Upright Sprinkler<br>Viking<br>Model – SIN VK300                       |                                                                                                                                       |
|   |  | X |  | Pages 044 -049<br>Microfast Quick Response<br>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<br>Horizontal Sidewall<br>Sprinkler<br>Viking<br>Model – SIN VK305 |                                                                                                                        |
| X |  |   |  | Pages 056 – 059<br>Microfast Quick Response<br>Upright Sprinkler<br>Viking<br>Model – SIN VK350                |                                                                                                                        |
|   |  | X |  | Pages 060 – 065<br>Microfast Quick Response<br>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<br>Pendent Sprinkler<br>Viking<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<br>Concealed Pendent<br>Sprinkler<br>Viking<br>Model – SIN VK462     |                                                                                                                        |
| X |  |   |  | Page 078<br>Spare Sprinkler Head<br>Cabinet<br>FPPI<br>Model – Not indicated                                   |                                                                                                                        |
| X |  |   |  | Page 079 – 089-091<br>Spare Sprinkler Head<br>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<br>Coverage Upright<br>Sprinkler<br>Viking<br>Model – SIN VK532      |                                                                                                                        |
| X |  |   |  | Pages 101 – 106<br>Standard / QR Extended<br>Coverage Pendent<br>Sprinkler<br>Viking<br>Model – SIN VK534      |                                                                                                                        |

|   |  |   |  |                                                                                                                 |                                                                                                                                                                                                                  |
|---|--|---|--|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| X |  |   |  | Pages 107 – 112<br>Mirage QR Extended<br>Coverage Concealed<br>Pendent Sprinkler<br>Viking<br>Model – SIN VK634 |                                                                                                                                                                                                                  |
|   |  | X |  | Pages 113 – 120<br>Concealed Dry Pendant<br>Sprinkler<br>Reliable<br>Model – G5-56 Dry<br>(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<br>Branch Outlets<br>Victaulic<br>Model – Styles 920 and<br>920N         |                                                                                                                                                                                                                  |
| X |  |   |  | Pages 145 – 149<br>Firelock Rigid Coupling<br>Victaulic<br>Model – Style 009N                                   |                                                                                                                                                                                                                  |
| X |  |   |  | Pages 150 – 151<br>Threaded Mechanical<br>Branch Tee<br>Anvil<br>Model – Fig. MT-30                             |                                                                                                                                                                                                                  |
| X |  |   |  | Pages 152 – 153<br>Grooved Welded Steel<br>Pipe Outlets<br>Vandewater International<br>Inc.<br>Model - Various  |                                                                                                                                                                                                                  |
| X |  |   |  | Pages 154 – 155<br>Welded Steel Pipe Outlets<br>Vandewater International<br>Inc.<br>Model - Various             |                                                                                                                                                                                                                  |

|   |  |  |  |  |                                                                                      |  |
|---|--|--|--|--|--------------------------------------------------------------------------------------|--|
| 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              |  |

|                                                                                                                                                                                                                              |   |  |  |   |                                                                                                                         |                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|--|---|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                              |   |  |  | X | Pages 169 – 183<br>Flexible Sprinkler Hose<br>Victaulic<br>Model – Series AH2<br>Bracket AB1, AB7 and<br>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 –<br>35W1005PH02LXUL300                                                  |                                                                                                                                                       |
| X                                                                                                                                                                                                                            |   |  |  |   | Pages 196 – 199<br>Intumescent Sealant<br>STI<br>Model - Series LCI                                                     |                                                                                                                                                       |
| X                                                                                                                                                                                                                            |   |  |  |   | Page 200<br>Fire Pump Suction and<br>Discharge Gauges<br>Alenco<br>Series AG-1000L                                      |                                                                                                                                                       |
| X                                                                                                                                                                                                                            |   |  |  |   | Page 201<br>Suction and Discharge<br>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-<br>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.





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:                                     |
|---------------------------------------------------------|----------------------------------------------|---------------------------------------------------|
| <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 type="checkbox"/> 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