CONSULTING ENGINEERS

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**SUBMITTAL REVIEW**

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| **Project:** AHSC - YVFWC |
|  |
| **Architect:** Holst |

**Date: November 7, 2017**

**Job No.: 9372**

We have completed our review of the plumbing submittals and have the following comments:

**GENERAL NOTES:**

Section 220500 Common Materials and Methods

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|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | Access Doors | Elmdor DW Series | No exception taken. |
| 2. | Rated ceiling Access Doors | Elmdor CFR Series | No exception taken. |
| 3. | Rated Wall Access Doors | Elmdor FR Series | No exception taken. |
| 4. | Pete’s Plug | Model 100 | No exception taken. |
| 5. | Thermometer | Trerice 9” BX9 | No exception taken. |
| 6. | Pressure Gauge | Trerice 4” 700B | No exception taken. |
| 7. | Ball Valves | Apollo 77CLF-A, Lead Free | No exception taken. |
| 8. | Pipe Hangers & Accessories, struts, | Eaton | No exception taken. |
| 9. | Pipe Markers, tags, etc. | Seton |  |
| 10. | HILTI |  | No exception taken. |

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Section 220700 Plumbing Insulation

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|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | Pipe Insulation | Johns Manville  Micro-Lok HP Fiber Glass Pipe Insulation | No exception taken. |
| 2. | PVC Insulated Fitting Covers | Johns Manville  Zeston 2000 Series | No exception taken. |

Section 221000 Plumbing Piping and Pumps

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|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | 1-1/4” and larger Pipe above ground DCW | Streamline  Copper Tube, Type L | No exception taken. |
| 2. | Plastic Pipe | Charlotte Pipe ABS 40 Foam Core Pipe & Fitting Systems | No exception taken. |
| 3. | ABS Solvent Cement | Oatey | No exception taken. |
| 4. | Clean Out | Sioux Chief 834 series | No exception taken. |
| 5. | Cleanout Cover kit | Sioux Chief 873-AB | No exception taken. |
| 6. | Water Hammer Arrester | Sioux Chief 650 series | No exception taken. |
| 11. | Trap Primer | PPP | No exception taken. |
| 12. | Balancing Valves | Bell & Gossett, Lead Free | No exception taken. |
| 13. | Recirc Pump | TACO VT2218F | No Performance data is provided with the submittal. Please resubmit with performance data. |

Section 22400 Plumbing Fixtures

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|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | WC-1 | American Standard 3043.001 Madera  Sloan WES-111  Bemis 1955SSCT | No exception taken. |
| 2. | LV-1 | American Standard 9024.000  Symmons SCOT metering Faucet | No exception taken. |
| 3. | S-1 | Elkay ELUHAD121255  Chicago 786-E3ABCP | No exception taken. |
| 4. | S-2 | Elkay ELUHAD191655  Chicago 786-E3ABCP  Bradley S19-270HD, swing down eye wash with S19-2000 MV | No exception taken. |
| 5. | S-3 | Elkay ELUHAD191655  Moen 7585C pull out faucet  Insinkerator 333, ¾ HP disposer | No exception taken. |
| 6. | S-4 | Elay ELUHAD321655  Moen 7585 C | No exception taken. |
| 7. | EWH-1 | Bradford White | Provide 18 KW water heater with 208/3 phase connection, as specified. (The schedule incorrectly shows 80 KW) |

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and the satisfactory performance of his work.

Sincerely,

MFIA, Inc.

Takako Baker