CONSULTING ENGINEERS

2007 SE Ash Street

Portland, OR 97214

503-234-0548 fax 503-234-0677

John.vanBladeren@mfia-eng.com

**SUBMITTAL REVIEW**

|  |
| --- |
| **Project:** Asian Health Health Center |
|  |
| **Architect:** Holst |

**Date: June 9, 2017**

**Job No.: 9097**

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

**GENERAL NOTES:**

Section 220500 Common Materials and Methods

|  |  |  |  |
| --- | --- | --- | --- |
|  | **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. | HILTI |  | No exception taken. |

=

Section 220700 Plumbing Insulation

|  |  |  |  |
| --- | --- | --- | --- |
|  | **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

|  |  |  |  |
| --- | --- | --- | --- |
|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | 1” and less Pipe  Above grade DCW | Uponor AquaPEX | Pex piping is not an approved material. However, we will consider approval with appropriate credit to owner. |
| 2. | 1-1/4” and larger Pipe above ground DCW | Streamline  Copper Tube, Type L | No exception taken. |
| 3. | Cast Iron Waste Pipe | Tyler No-Hub pipe & Fittings | No Exception. |
| 4. | Plastic Pipe | Charlotte Pipe ABS 40 Foam Core Pipe & Fitting Systems | Foam Core is not approved. Provide Solid Core Sch 40 ABS. **Revise and Resubmit**. |
| 5. | ABS Solvent Cement | Oatey | No exception taken. |
| 6. | Clean Out | Sioux Chief 834 series | Not equal to specified Jay R Smith(All bronze material) **Revise and Resubmit, or provide credit to owner.** |
| 7. | Cleanout Cover kit | Sioux Chief 873-AB | No exception taken. |
| 8. | Cleanout Cleanout | Scioux Chief 851 Series | Not equal to specified Jay R Smith(All bronze material) **Revise and Resubmit, or provide credit to owner.** |
| 9. | Floor Sink | Scioux Chief 864 Series | There is no Floor Sink in the scope of work. |
| 10. | Water Hammer Arrester | Sioux Chief 650 series | No exception taken. |
| 11. | Trap Primer | PPP | No exception taken. |
| 12. | Water PRV | Lead Free , Watts LF25AUB-Z3 | No exception taken. |
| 13. | RPBV | Lead Free, Watts LF009, 2” | No exception taken. |
| 14. | Balancing Valves | Bell & Gossett, Lead Free | Where are these used? Please provide pressure independent flow control valves as specified on Plumbing Plans.  Revise and Resubmit. |
| 15. | Recirc Pump | TACP VT2218F | No Performance |

Section 223000 Plumbing Equipment

|  |  |  |  |
| --- | --- | --- | --- |
|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | GWH-1 | Bradford White ET-60T-125  Noritz concentric Vent  Seismic strap | No exception taken. |

Section 22400 Plumbing Fixtures

|  |  |  |  |
| --- | --- | --- | --- |
|  | **ITEM** | **MANUFACTURER** | **COMMENT** |
| 1. | Hose Bibs | Woodford Model 67 | No exception taken. |
| 2. | Grease Interceptor | Schier GB1 |  |
| 3. | LV-1 | American Standard Lucerne 0356.028  American Standard 605B.104 Selectronic Faucet  Lawler mechanical MV | The LAV fixture is not equal to the specified in its appearance. Please provide specified.  Hard wired faucet is specified. Please provide with option PK00.HAC and conceal wiring and transformer when installing.  The faucet submittal shows a check mark next to Mixing valve. However, Lawler Mixing valve is also submitted as part of LV-1 submittal. Both are approved, but only one is necessary.  **Revise and Resubmit.** |
| 4. | LV-2 | American Standard Studio Undercounter Sink  American Stnadard 605B.104 Selectronic Proxmiity Faucet | Hard wired faucet is specified. Please provide with option PK00.HAC and conceal wiring and transformer when installing.  The faucet submittal shows a check mark next to Mixing valve. However, Lawler Mixing valve is also submitted as part of LV-1 submittal. Both are approved, but only one is necessary.  **Revise and Resubmit.** |
| 5. | WC-1 | American Standard Madera 3451.001  Sloan Dual Flush Model 8111-1.6/1.1 | No exception taken. |
| 6. | WC-2 | American Standard 3043.001  Sloan Dual Flush Model 8111-1.6/1.1 | No exception taken. |
| 7. | UR-1 | American Standard 6590.004 Washbrook  Sloan 8186 | No exception taken. |
| 8. | S-1 | Elkay ELUHAD 131655PD Undermount  American Standard 7500.180.002 Monterey 4”CC Gooseneck | No exception taken. |
| 9. | S-2 | Elkay Undermount ELUAH311845PD  American Standard 4931.300 | The plumbing fixture submittal cover sheet/Table of content lists an incorrect Model # for the ESink & faucet. **Please revise and resubmit.** |
| 10. | S-3 | Elkay ELUHAD131655PD  American Standard 4931.300 | The plumbing fixture submittal cover sheet/Table of content lists an incorrect Model # for the Sink & faucet.  Provide Garbage disposal, as specified.  **Please revise and resubmit.** |
| 11. | MS-1 | Mustee 63 MX  Chicago 897-MPRCF | No exception taken. |
| 12. | SH-1 | Aquatic 1363BFSC  American Standard 1662.211 Commercial Shower System Kit. | The plumbing fixture submittal cover sheet/Table of content lists an incorrect Mfr/Model # for the shower.  Submitted shower is approved per architect. Coordinate dimensions with architectural.  **Please revise cover sheet and resubmit.** |
| 13. | RD-1 | Sioux Chief 868 | No exception taken. |
| 14. | OD-1 | Sioux Chief 868 | No exception taken. |
| 15. | DF-1 | Elkay Halsey Taylor, High Efficiency Green Spoec Listed Water Cooler  JR Smith 0830 Carrier | No exception taken. |
| 16. | SP-1 | Liberty Pump  115/1/2 HP sump pump | The plumbing fixture submittal cover sheet/TOC shows this pump to be @ 115V, which is correct. The submittal shows 208V connection.  **Please revise cover sheet and resubmit.** |
| 17. | ODN-1 | Rector Seal 82706 G-O-N Glue on Nozzle with Escutheon | There is no downspout nozzle in the project. |
| 18. | FD-1 | Sioux Chief Finish Line On-Grade Adjustable Floor Drain 832-35DSQ  832-4HNR 6.5” stranier | The plumbing fixture submittal cover sheet/Table of content and product data are inconsistent. The TOC shows a strainer which is not required.  Please provide 3” outlet round floor drain, equal to JR Smith 2005A, as specified.  **Revise and Resubmit.** |
| 19. | RC-1 | Guy Gray BIM875 | No exception taken. |

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