

## VU A/E GUIDELINE UPDATES

| PROPOSED GUIDELINE/SPECIFICATION   | NOTES                                   |
|--|---|
|  | February 2022 Submission                |
| <b>1</b> Faculty Apartment Guidelines  |   |
| <b>2</b> Exposed AHUs (Cooling Only Units required to have heat for freeze protection)   |   |
| <b>3</b> Door Spec Update (Best Info)  |   |
| <b>4</b> Steam Condensate (Autoflow)   |   |
| <b>5</b> Steam Condensate (Check Valves (DFT SCV Check Valves Spring Assisted Non-Slam))   |   |
| <b>6</b> Add Connected Systems Worksheet to A/E Guidelines and Cx Pre-Functional Checklists  |   |
| <b>7</b> Hand dryers vs paper towel dispensers   |   |
| <b>8</b> Lutron & Enciellium added into guidelines   |   |
| <b>9</b> Communications Section  |   |
| <b>10</b> Fire Alarms - Enable pre-alarm and delayed verification to prevent false alarms and troubles from setting buildings into general alarm |   |
| <b>11</b> Averaging Temp Sensor in AHUs instead of Probe type sensors.   |   |
|  | September 2022 Submission               |
| <b>12</b> Valve orientation above ceiling  | Section 23 05 23, Part 3, d.            |
| <b>13</b> Flex connections on hydronic mechanical equipment  | Section 23 82 16, Part 3, 7.            |
| <b>14</b> Maxi-Therm/Thermaflo "Controls shall be hard-wired MSTP only" due to safety reasons of utilizing high pressure steam                   | Section 23 09 13, Part 1, 1., 1.        |
| <b>15</b> All new construction shall include a knox box  | (New) Section 10 41 00                  |
| <b>16</b> Add BacNet Interface to lighting control/BAS (Reference VU Energy Standards)   | Section 23 09 13, Part 1, 4.            |
| <b>17</b> Elevator Machine Room - HVAC Requirements  | Section 14 20 00, Part 1, 1.9, 1.9.1    |
| <b>18</b> Elevator Sump Pump - BAS Monitoring  | Section 14 20 00, Part 1, 1.30, 1.30.1  |
| <b>19</b> Push-to-connect fittings and plastic tubing  | Section 22 06 00, Part 3, 3.1           |
| <b>20</b> Outage Request Update (eBuilder process)   | Section 01 51 00, Part 3, 3.01          |
| <b>21</b> Elevators (Misc. edits and adds to existing guidelines)  | Section 14 20 00                        |
|  | February 2023 Submission                |
| <b>22</b> AHU Coil Tube Thickness  | Section 23 70 00, Part 1.3              |
| <b>23</b> Shark Meters - Install in gear when possible. Remote mount not preferred.  | Section 23 05 19, Part 2.4,1.,d         |
| <b>24</b> HHW Temps - 140°F Supply - 110°F Return  | Section 23 82 16, Part 2, 9             |
| <b>25</b> Controls - BAS Required Alarms and Trends  | Sections 23 09 13, 2.3,1 & Part 3, 8-17 |
| <b>26</b> Air/dirt separators shall be included in all building hot and chilled water systems. Manufacturer: Spiro-therm or approved equal       | Section 23 20 00, Part 2, 15            |
| <b>28</b> Temp Sensors in Mech Rooms & Fire Pump? Monitor & Alarm  | Section 23 09 13, Part 3, 7             |