NUMBERED NOTES

1. TRANSFORMER EXHAUST CONCRETE DUCTS PROVIDE WITH 3 HR FIRE RATING.
2. COMBUSTION AIR AND EXHAUST FLUE RISER LOCATIONS TO BE COORDINATED.
3. CHILLER ROOM EXHAUST. PROVIDE REFRIGERANT SENSORS, EXHAUST FAN, AND VENT IN ACCORDANCE WITH CODE.
**AIR HANDLING UNIT SCHEDULE**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>SYSTEM</th>
<th>LOCATION / SERVICE</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>STANDBY POWER</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCU-2-1 HP-2 LEVEL 2 IDF</td>
<td>PEFY-P54NMAU-E</td>
<td>DUCTED</td>
<td>1480</td>
<td>0.6</td>
<td>54,000</td>
<td>54,000</td>
<td>85</td>
<td>52</td>
<td>3.31</td>
</tr>
<tr>
<td>FCU-3-1 HP-2 LEVEL 3 IDF</td>
<td>PEFY-P54NMAU-E</td>
<td>DUCTED</td>
<td>1480</td>
<td>0.6</td>
<td>54,000</td>
<td>54,000</td>
<td>85</td>
<td>52</td>
<td>3.31</td>
</tr>
<tr>
<td>FCU-4-1 HP-3 LEVEL 4 IDF</td>
<td>PEFY-P54NMAU-E</td>
<td>DUCTED</td>
<td>1480</td>
<td>0.6</td>
<td>54,000</td>
<td>54,000</td>
<td>85</td>
<td>52</td>
<td>3.31</td>
</tr>
<tr>
<td>FCU-7-1 HP-4 LEVEL 7 IDF</td>
<td>PEFY-P54NMAU-E</td>
<td>DUCTED</td>
<td>1480</td>
<td>0.6</td>
<td>54,000</td>
<td>54,000</td>
<td>85</td>
<td>52</td>
<td>3.31</td>
</tr>
<tr>
<td>FCU-8-2 HP-5 CONTROL EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHWP-3 BELL &amp; GOSSETT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CWP-2 BELL &amp; GOSSETT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CWP-1 BELL &amp; GOSSETT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HWP-2 BELL &amp; GOSSETT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HWP-1 BELL &amp; GOSSETT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCU-1-2 HP-2 LEVEL 1 IDF</td>
<td>SOUTH PKFY-P18NKMU-E</td>
<td>WALL MOUNTED</td>
<td>500</td>
<td>0.6</td>
<td>18,000</td>
<td>18,000</td>
<td>85</td>
<td>52</td>
<td>0.37</td>
</tr>
<tr>
<td>IH-4-1 GREENHECK WRH OA INTAKE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cooling Tower Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>BANK OF DESIGN</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT-1 N PARKING LOT</td>
<td>BALTIMORE AIRCOIL S3E-1020-07M</td>
<td></td>
<td>400</td>
<td>5,480</td>
<td>66</td>
<td>86</td>
</tr>
</tbody>
</table>

**Dedicated Outside Air System Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>SERVICE</th>
<th>AIR FILTER</th>
<th>ELECTRICAL DATA</th>
<th>NOTES</th>
</tr>
</thead>
</table>

**Chiller Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
</table>

**Roof Top Enveloped Heat Pump**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>BANK OF DESIGN</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
</table>

**Radiant Floor Zone Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>BANK OF DESIGN</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
</table>

**Natural Gas Condensing Boiler Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
</table>

**Expansion Tank Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
</table>

**Hydronic Coil Schedule**

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>CAPACITY</th>
<th>EFFICIENCY</th>
<th>THROAT SIZE</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit No.</td>
<td>Type</td>
<td>Model</td>
<td>CFM</td>
<td>Min.</td>
<td>Max.</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>-------</td>
<td>-----</td>
<td>------</td>
<td>------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>FPB-3-12</td>
<td>35SWST</td>
<td>3</td>
<td>10</td>
<td>880</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-2-8</td>
<td>35SWST</td>
<td>3</td>
<td>10</td>
<td>900</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-2-4</td>
<td>35SWST</td>
<td>5</td>
<td>12</td>
<td>1,300</td>
<td>0.4</td>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>FPB-2-1C</td>
<td>35SWST</td>
<td>5</td>
<td>14</td>
<td>1,500</td>
<td>0.4</td>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>FPB-2-15</td>
<td>35SWST</td>
<td>3</td>
<td>8</td>
<td>250</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-2-1</td>
<td>35SWST</td>
<td>High CFM</td>
<td>16</td>
<td>3,000</td>
<td>0.4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FPB-1-6</td>
<td>35SWST</td>
<td>3</td>
<td>8</td>
<td>150</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-1-30</td>
<td>35SST</td>
<td>3</td>
<td>8</td>
<td>100</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-1-29</td>
<td>35SST</td>
<td>3</td>
<td>8</td>
<td>450</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-1-21</td>
<td>35SST</td>
<td>5</td>
<td>14</td>
<td>2,150</td>
<td>0.4</td>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>FPB-1-19</td>
<td>35SWST</td>
<td>5</td>
<td>12</td>
<td>1,250</td>
<td>0.4</td>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>FPB-1-1</td>
<td>35SWST</td>
<td>3</td>
<td>8</td>
<td>100</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>FPB-B-1</td>
<td>35SST</td>
<td>3</td>
<td>8</td>
<td>220</td>
<td>0.4</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>VAV 2-7</td>
<td>260 OFFICE TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>120</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 2-2</td>
<td>269 CORRIDOR TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>180</td>
<td>54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 1-17</td>
<td>137 BOH TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>320</td>
<td>96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 1-14</td>
<td>165 JURY CHECK-IN TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>500</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 1-11</td>
<td>172 PUBLIC LOBBY TITUS DESV</td>
<td>8</td>
<td>8</td>
<td>600</td>
<td>180</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 0-12</td>
<td>SECURITY VEST TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>100</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 0-5</td>
<td>016 BOH TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>120</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 5-9</td>
<td>511 ATTY TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>140</td>
<td>42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 5-2</td>
<td>523 CORRIDOR W TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>380</td>
<td>114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 4-8</td>
<td>464 ATTY TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>100</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 4-6</td>
<td>461 ATTY TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>140</td>
<td>42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 3-6</td>
<td>319 WAIT TITUS DESV</td>
<td>14</td>
<td>14</td>
<td>2,800</td>
<td>840</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 3-3</td>
<td>ATTY WEST TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>100</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 3-1</td>
<td>321 CORRIDOR TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>360</td>
<td>108</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 2-21</td>
<td>209 OPEN OFFICE TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>500</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 2-14</td>
<td>256 CORRIDOR TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>370</td>
<td>111</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 2-11</td>
<td>252 OPEN OFFICE TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>500</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 1-17</td>
<td>137 BOH TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>320</td>
<td>96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 1-14</td>
<td>165 JURY CHECK-IN TITUS DESV</td>
<td>6</td>
<td>6</td>
<td>500</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 1-11</td>
<td>172 PUBLIC LOBBY TITUS DESV</td>
<td>8</td>
<td>8</td>
<td>600</td>
<td>180</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 0-12</td>
<td>SECURITY VEST TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>100</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAV 0-5</td>
<td>016 BOH TITUS DESV</td>
<td>4</td>
<td>4</td>
<td>120</td>
<td>36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**VAV TERMINAL UNIT SCHEDULE**

**DESIGN**

**FAN POWERED TERMINAL WITH HOT WATER COIL (CONTINUED)**

**UNIT INLET DESIGN**

**Min Vent Box Min**

**NOTES**

**MAXIMUM**

**MINIMUM**

---

**NEW SNOHOMISH COUNTY COURT HOUSE**

**MECHANICAL SCHEDULES**

---

**CHECKED BY:**

**DATE:**

**CHECKER**

---

**HEERY DESIGN DEVELOPMENT**
### DESIGNATION LOCATION ASSOCIATED

**Numbered Notes:**

- A) Fire Smoke Dampers Shall FailSafe in Closed Position unless otherwise noted.

**FSD-B-2** Level B West Shaft Supply 18 14 Horizontal

**FSD-8-5** Level 8 East Return 114 42 Horizontal

**FSD-8-4** Level 8 East Supply 36 18 Horizontal

**FSD-8-2** Level 8 West Return 36 20 Horizontal

**FSD-7-8** Level 7 North Supply 20 14 Horizontal

**FSD-7-6** Level 7 West Supply 26 14 Horizontal

**FSD-6-4** Level 6 East Supply 30 20 Horizontal

**FSD-6-3** Level 6 East Return 44 26 Horizontal

**FSD-6-1** Level 6 Exhaust 26 16 Horizontal

**FSD-5-4** Level 5 East Supply 30 20 Horizontal

**FSD-5-2** Level 5 Exhaust 20 14 Horizontal

**FSD-4-5** Level 4 East Supply 32 16 Horizontal

**FSD-4-4** Level 4 East Supply 30 20 Horizontal

**FSD-4-3** Level 4 East Return 44 26 Horizontal

**FSD-4-2** Level 4 Exhaust 20 14 Horizontal

**FSD-3-8** Level 3 West Supply 40 30 Horizontal

**FSD-3-5** Level 3 East Supply 40 26 Horizontal

**FSD-3-2** Level 3 Exhaust 12 12 Horizontal

**FSD-2-5** Level 2 West Shaft Return 36 20 Horizontal

**FSD-2-2** Level 2 Exhaust 12 12 Horizontal

**FSD-1-8** Level 1 East Shaft Return 40 22 Horizontal

**FSD-1-7** Level 1 West Shaft Return 40 22 Horizontal

**FSD-1-4** Level 1 East Shaft Supply 32 18 Horizontal

### GENERAL NOTES:

- A. Coordinate location and mounting height with Architect.

- B. Provide with Integral Motorized Damper with single point wiring connection and end switch control.

- 2) Provide with Outlet Backdraft Damper to prevent reverse airflow.

- 3) Provide with INTEGRAL MOTORIZED DAMPER WITH SINGLE POINT WIRING CONNECTION AND END SWITCH CONTROL.

### FIRE SMOKE DAMPER SCHEDULE

**Dimensions**

- Width
- Height

<table>
<thead>
<tr>
<th>HPF-R-5</th>
<th>COOK 300QMXS HOISTWAY PRESSURIZATION ROOFTOP UTILTY SET</th>
<th>FAN 20000</th>
<th>2.5</th>
<th>1200</th>
<th>12</th>
<th>20.0</th>
<th>460/3</th>
<th>Y</th>
<th>2000</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPF-R-4</td>
<td>COOK 300QMXS HOISTWAY PRESSURIZATION ROOFTOP UTILTY SET</td>
<td>FAN 20000</td>
<td>2.5</td>
<td>1200</td>
<td>12</td>
<td>20.0</td>
<td>460/3</td>
<td>Y</td>
<td>2000</td>
<td>Y</td>
</tr>
<tr>
<td>HPF-R-2</td>
<td>COOK 225QMXS HOISTWAY PRESSURIZATION ROOFTOP UTILTY SET</td>
<td>FAN 10000</td>
<td>2.5</td>
<td>1481</td>
<td>6.13</td>
<td>7.5</td>
<td>460/3</td>
<td>Y</td>
<td>1200</td>
<td>Y</td>
</tr>
<tr>
<td>SPF-R-2</td>
<td>COOK 180QMXS STAIR PRESSURIZATION ROOFTOP UTILTY SET</td>
<td>FAN 8000</td>
<td>2.5</td>
<td>2083</td>
<td>5.24</td>
<td>7.5</td>
<td>460/3</td>
<td>Y</td>
<td>900</td>
<td>Y</td>
</tr>
<tr>
<td>SF-B-2</td>
<td>COOK 150SQN-B TRANSFORMER SUPPLY CENTRIFUGAL INLINE</td>
<td>4000</td>
<td>0.5</td>
<td>1935</td>
<td>1.73</td>
<td>2.0</td>
<td>460/3</td>
<td>N</td>
<td>215</td>
<td>N</td>
</tr>
<tr>
<td>SF-B-1</td>
<td>COOK 150SQN-B TRANSFORMER SUPPLY CENTRIFUGAL INLINE</td>
<td>4000</td>
<td>0.5</td>
<td>1935</td>
<td>1.73</td>
<td>2.0</td>
<td>460/3</td>
<td>N</td>
<td>215</td>
<td>N</td>
</tr>
<tr>
<td>EF-B-5</td>
<td>COOK 90-SQN12D RECYCLING EXHAUST CENTRIFUGAL INLINE</td>
<td>400</td>
<td>0.2</td>
<td>1370</td>
<td>0.15</td>
<td>0.17</td>
<td>115/1</td>
<td>N</td>
<td>100</td>
<td>N</td>
</tr>
<tr>
<td>EF-B-4</td>
<td>COOK 150-SQN10D RECEIVING EXHAUST CENTRIFUGAL INLINE</td>
<td>1600</td>
<td>0.25</td>
<td>966</td>
<td>0.19</td>
<td>0.33</td>
<td>115/1</td>
<td>N</td>
<td>180</td>
<td>N</td>
</tr>
<tr>
<td>EF-B-3</td>
<td>COOK 165-SQN10D SALLY PORT EXHAUST CENTRIFUGAL INLINE</td>
<td>2400</td>
<td>0.25</td>
<td>805</td>
<td>0.11</td>
<td>0.33</td>
<td>115/1</td>
<td>N</td>
<td>180</td>
<td>N</td>
</tr>
<tr>
<td>EF-B-1</td>
<td>COOK 330-SQN-B LOADING DOCK EXHAUST CENTRIFUGAL INLINE</td>
<td>15000</td>
<td>0.75</td>
<td>741</td>
<td>5.2</td>
<td>7.5</td>
<td>460/3</td>
<td>N</td>
<td>650</td>
<td>N</td>
</tr>
<tr>
<td>EF-7-1</td>
<td>COOK SQ-100-VG L-7 EAST - ELEC TRANSFER FAN CENTRIFUGAL INLINE</td>
<td>1800</td>
<td>0.25</td>
<td>1075</td>
<td>0.24</td>
<td>0.75</td>
<td>115/1</td>
<td>N</td>
<td>90</td>
<td>N</td>
</tr>
<tr>
<td>EF-6-3</td>
<td>COOK SQ-100-VG L-6 EAST AV ROOM CENTRIFUGAL INLINE</td>
<td>500</td>
<td>0.25</td>
<td>1157</td>
<td>0.07</td>
<td>0.25</td>
<td>115/1</td>
<td>N</td>
<td>55</td>
<td>N</td>
</tr>
<tr>
<td>EF-5-2</td>
<td>COOK SQ-100-VG L-5 WEST AV ROOM CENTRIFUGAL INLINE</td>
<td>500</td>
<td>0.25</td>
<td>1157</td>
<td>0.07</td>
<td>0.25</td>
<td>115/1</td>
<td>N</td>
<td>55</td>
<td>N</td>
</tr>
<tr>
<td>EF-1-2</td>
<td>COOK SQ-100-VG L-1 WEST AV ROOM CENTRIFUGAL INLINE</td>
<td>500</td>
<td>0.25</td>
<td>1157</td>
<td>0.07</td>
<td>0.25</td>
<td>115/1</td>
<td>N</td>
<td>55</td>
<td>N</td>
</tr>
<tr>
<td>EF-1-1</td>
<td>COOK SQ-100-VG L-1 EAST - TSER TRANSFER FAN CENTRIFUGAL INLINE</td>
<td>800</td>
<td>0.25</td>
<td>1157</td>
<td>0.07</td>
<td>0.25</td>
<td>115/1</td>
<td>N</td>
<td>55</td>
<td>N</td>
</tr>
</tbody>
</table>

- B. Efficiency listed at rated conditions.

### LIGHTING

- HPY-P240YSKMU R-410A 240.0 -- 12.1 18.6 40 460 / 3 1500

### DESIGNATION MANUFACTURER

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>SERVICE / TYPE</th>
<th>CFM</th>
<th>AIR INLET AND OUTLET SCHEDULE</th>
</tr>
</thead>
</table>

### AIR INLET AND OUTLET SCHEDULE

<table>
<thead>
<tr>
<th>LOCATION SERVICE</th>
<th>Design No.</th>
<th>MCA (A)</th>
<th>STANDBY</th>
<th>VOLTAGE/PHASE</th>
<th>WEIGHT (LBS)</th>
<th>VAR. (Y/N)</th>
<th>ELECTRICAL</th>
<th>AIRFLOW VAR.</th>
</tr>
</thead>
</table>

### AIR SCHEDULE

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>CFM</th>
<th>AIRFLOW</th>
<th>VAR.</th>
</tr>
</thead>
</table>

### MECHANICAL SCHEDULES

- Air Inlet and Outlet Schedule
- Airflow Schedule
- Electric Schedule

### NEW SNOHOMISH COUNTY COURTHOUSE

- Address: 4100 194th St SW #400
- Lynnwood, WA 98036
- Phone: T 206-667-0511
- Website: WSP Group

### MECHANICAL

- Consultant: Heery International Inc.
- Phone: T 206-292-1200
- Address: 1301 5th Ave #3200
- Site Workshop

### LIGHTING

- Consultant: Heery International Inc.
- Phone: T 206-292-1200
- Address: 4100 194th St SW #400

### REVISIONS

- T 510-268-8373
- T 206-667-0511

### LIGHTING SCHEDULES

- Model: HPY-P240YSKMU R-410A 240.0 -- 12.1 18.6 40 460 / 3 1500

### MECHANICAL SCHEDULES

- Air Inlet and Outlet Schedule
- Airflow Schedule
- Electric Schedule

### M-603 DESIGN DEVELOPMENT
1. Thermostats in zones served by VRF fan coils shall be provided by heat pump manufacturer and wired by the controls contractor.

2. Provide 5 degree deadband control on fan coil operation.

3. VRF controllers and interface provided by heat pump manufacturer and wired by the controls contractor.

Numbered Notes:

1. Embed tubing into slab to allow a slab temperature sensor to be installed and heat pump space temperature setpoint (cooling).

2. Interface with lighting occupancy sensor in each space that contains heat coil on select units. See mech schedule.

3. CO2 on select units. See mech schedule.

Notes:

- Room temp and valve not required.
- Fan coil control panel should trigger setpoint of current controller monitoring system.
- All wiring from MCP to BMS by controls contractor.

Building automation systems (BACNET) compatible with building automation system (BMS). Coordinate requirements with rainwater capture system provider.
NOTE:
1. MODULATE PUMP SPEED TO MAINTAIN REQUIRED DIFFERENTIAL PRESSURE, AS DETERMINED DURING HYDRONIC SYSTEM TEST AND BALANCING.
2. PROVIDE LINEAR RESET HOT WATER SUPPLY TEMPERATURE TO A MINIMUM OF 100 DEGREES F BASED ON ZONE HOT WATER FLOW DEMAND.

LOCATE 2/3 OF THE WAY DOWN HW PIPING SYSTEM WALL MOUNT WITHIN 18" AFF
INTERLOCK WITH OPERATION OF BOILER AND DHW HEATERS

AI
HWS
RETURN WATER SENSOR

T
T
HWR
AI
B
AI
HOT WATER BTU METER
24VAC
AO
AI
CO
CONTROL PANEL
VFD
BMS NETWORK
S/S
SPEED
AO
DO
1
1
NETWORK CONNECTION SHALL PROVIDE READ OR READ/WRITE OF ALL CONTROL POINTS AVAILABLE FOR INTEGRATION.

T
AI
T
AI
PAI
F
AI
TO CHILLERS
PRESSURE SENSOR
CWR
CWS
CWR
CWS
AO
T
AI
T
AI
AO
S/S
SPEED
DI
SAFETY LOAD BYPASS CONTROL
TEMPERATURE CONTROL

BMS NETWORK
WATER COOLED CHILLER
BMS NETWORK

T
AI
T
AI
AI
EVAPORATOR
CONDENSER
CHILLER
ISOLATION VALVE
CHILLER
ISOLATION VALVE
DO
DO
DO
S/S
AO
SETPT
DPS
AI
AI
DI
EMERGENCY BOILER SHUTDOWN
LOCATED OUTSIDE OF BOILER ROOM (TYP-2)
BOILER CONTROL PANEL
DO
AO
DI
BMS NETWORK
STATUS
PANEL
CONTROL
VFD

VIBRATION SWITCH

ALL PUMPS ON VFDS. SEE 1/M-702.

SUPPLY WATER SENSOR
AI
T
AI
T
AI
AO
ENABLE
STATUS
DI
PANEL
CONTROL
VFD

NEW SNOHOMISH COUNTY COURTHOUSE
2031 Passerelle Ave.
 Everett, Washington 98201

MECHANICAL
CONTROL DIAGRAMS

M-702
DESIGN DEVELOPMENT

Heery International Inc.
4700 Millenia Blvd., Suite 550
Orlando, FL 32839
407.992.6300

Consultants
CIVIL
MKA
1301 5TH AVE #3200
SEATTLE, WA 98101
T 206-292-1200

STRUCTURAL
MKA
1301 5TH AVE #3200
SEATTLE, WA 98101
T 206-292-1200

MECHANICAL
WSP GROUP
600 UNIVERSITY ST, SUITE 500
SEATTLE, WA 98101
T 206-342-9900

ELECTRICAL / TELCOM / AV
SPARLING
4100 194TH ST SW #400
LYNNWOOD, WA 98036
T 206-667-0555

LANDSCAPE
SITE WORKSHOP
222 ETRURIA ST #200
SEATTLE, WA 98109
T 206-285-3026

LIGHTING
CANDA
4100 194TH ST SW #400
LYNNWOOD, WA 98036
T 206-667-0511

SECURITY ELECTRONICS
GUIDEPOST SOLUTIONS
388 17TH STREET SUITE 230
OAKLAND, CA 94612
T 510-268-8373

Heery International Inc.
4700 Millenia Blvd., Suite 550
Orlando, FL 32839
407.992.6300

Consultants
CIVIL
MKA
1301 5TH AVE #3200
SEATTLE, WA 98101
T 206-292-1200

STRUCTURAL
MKA
1301 5TH AVE #3200
SEATTLE, WA 98101
T 206-292-1200

MECHANICAL
WSP GROUP
600 UNIVERSITY ST, SUITE 500
SEATTLE, WA 98101
T 206-342-9900

ELECTRICAL / TELCOM / AV
SPARLING
4100 194TH ST SW #400
LYNNWOOD, WA 98036
T 206-667-0555

LANDSCAPE
SITE WORKSHOP
222 ETRURIA ST #200
SEATTLE, WA 98109
T 206-285-3026

LIGHTING
CANDA
4100 194TH ST SW #400
LYNNWOOD, WA 98036
T 206-667-0511

SECURITY ELECTRONICS
GUIDEPOST SOLUTIONS
388 17TH STREET SUITE 230
OAKLAND, CA 94612
T 510-268-8373

5/21/2015 6:19:21 PM
05.22.2015
1309100
M-702