### TYPICAL ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHU</td>
<td>Air Handling Unit</td>
</tr>
<tr>
<td>BCF</td>
<td>Building Control</td>
</tr>
<tr>
<td>CHW</td>
<td>Chilled Water Circulation</td>
</tr>
<tr>
<td>ECP</td>
<td>Electrical Control Panel</td>
</tr>
<tr>
<td>FHE</td>
<td>Fuel Heater Equipment</td>
</tr>
<tr>
<td>HVAC</td>
<td>Heating, Ventilating, and Air Conditioning</td>
</tr>
<tr>
<td>MLU</td>
<td>Mixed Lighting Unit</td>
</tr>
<tr>
<td>PPD</td>
<td>Plumbing Piping Diagram</td>
</tr>
<tr>
<td>RFS</td>
<td>Refrigeration System</td>
</tr>
<tr>
<td>VTQ</td>
<td>Ventilation Terminal Unit</td>
</tr>
<tr>
<td>WFP</td>
<td>Water Filtration Plant</td>
</tr>
<tr>
<td>ZT</td>
<td>Zone Thermostat</td>
</tr>
</tbody>
</table>

### LABORATORY SERVICE ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Six-Link Chain of Custody</td>
</tr>
<tr>
<td>9</td>
<td>Nine-Link Chain of Custody</td>
</tr>
<tr>
<td>12</td>
<td>Twelve-Link Chain of Custody</td>
</tr>
<tr>
<td>18</td>
<td>Eighteen-Link Chain of Custody</td>
</tr>
</tbody>
</table>

### LABORATORY SYMBOLS LEGEND

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🟡</td>
<td>Emergency Call System</td>
</tr>
<tr>
<td>🟥</td>
<td>Fire Alarm System</td>
</tr>
<tr>
<td>🌘</td>
<td>Lighting System</td>
</tr>
<tr>
<td>🥤</td>
<td>Ventilation System</td>
</tr>
</tbody>
</table>

### LABORATORY BENCHTOP SCHEDULE

<table>
<thead>
<tr>
<th>Location</th>
<th>Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Refrigerator</td>
</tr>
<tr>
<td>200</td>
<td>Microscope</td>
</tr>
<tr>
<td>300</td>
<td>Incubator</td>
</tr>
</tbody>
</table>

### GENERAL NOTES

1. All plans shown in this document shall be interpreted as a basis for negotiations and the final contract agreement.
2. All dimensions and notes shall be in millimeters.
3. All elevations and notes shall be in meters.
4. All elevations and notes shall be in millimeters.
5. All elevations and notes shall be in millimeters.
6. All elevations and notes shall be in millimeters.
7. All elevations and notes shall be in millimeters.
8. All elevations and notes shall be in millimeters.
9. All elevations and notes shall be in millimeters.
10. All elevations and notes shall be in millimeters.
11. All elevations and notes shall be in millimeters.
12. All elevations and notes shall be in millimeters.
13. All elevations and notes shall be in millimeters.
14. All elevations and notes shall be in millimeters.
15. All elevations and notes shall be in millimeters.
16. All elevations and notes shall be in millimeters.
17. All elevations and notes shall be in millimeters.
18. All elevations and notes shall be in millimeters.
19. All elevations and notes shall be in millimeters.
20. All elevations and notes shall be in millimeters.
21. All elevations and notes shall be in millimeters.
22. All elevations and notes shall be in millimeters.
23. All elevations and notes shall be in millimeters.
24. All elevations and notes shall be in millimeters.
25. All elevations and notes shall be in millimeters.
26. All elevations and notes shall be in millimeters.
27. All elevations and notes shall be in millimeters.
28. All elevations and notes shall be in millimeters.
29. All elevations and notes shall be in millimeters.
30. All elevations and notes shall be in millimeters.
31. All elevations and notes shall be in millimeters.
32. All elevations and notes shall be in millimeters.
33. All elevations and notes shall be in millimeters.
34. All elevations and notes shall be in millimeters.
35. All elevations and notes shall be in millimeters.
36. All elevations and notes shall be in millimeters.
37. All elevations and notes shall be in millimeters.
38. All elevations and notes shall be in millimeters.
39. All elevations and notes shall be in millimeters.
40. All elevations and notes shall be in millimeters.
41. All elevations and notes shall be in millimeters.
42. All elevations and notes shall be in millimeters.
43. All elevations and notes shall be in millimeters.
44. All elevations and notes shall be in millimeters.
45. All elevations and notes shall be in millimeters.
46. All elevations and notes shall be in millimeters.
47. All elevations and notes shall be in millimeters.
48. All elevations and notes shall be in millimeters.
49. All elevations and notes shall be in millimeters.
50. All elevations and notes shall be in millimeters.
51. All elevations and notes shall be in millimeters.
52. All elevations and notes shall be in millimeters.
53. All elevations and notes shall be in millimeters.
54. All elevations and notes shall be in millimeters.
55. All elevations and notes shall be in millimeters.
56. All elevations and notes shall be in millimeters.
57. All elevations and notes shall be in millimeters.
58. All elevations and notes shall be in millimeters.
59. All elevations and notes shall be in millimeters.
60. All elevations and notes shall be in millimeters.
61. All elevations and notes shall be in millimeters.
62. All elevations and notes shall be in millimeters.
63. All elevations and notes shall be in millimeters.
64. All elevations and notes shall be in millimeters.
65. All elevations and notes shall be in millimeters.
66. All elevations and notes shall be in millimeters.
67. All elevations and notes shall be in millimeters.
68. All elevations and notes shall be in millimeters.
69. All elevations and notes shall be in millimeters.
70. All elevations and notes shall be in millimeters.
71. All elevations and notes shall be in millimeters.
72. All elevations and notes shall be in millimeters.
73. All elevations and notes shall be in millimeters.
74. All elevations and notes shall be in millimeters.
75. All elevations and notes shall be in millimeters.
76. All elevations and notes shall be in millimeters.
77. All elevations and notes shall be in millimeters.
78. All elevations and notes shall be in millimeters.
79. All elevations and notes shall be in millimeters.
80. All elevations and notes shall be in millimeters.
81. All elevations and notes shall be in millimeters.
82. All elevations and notes shall be in millimeters.
83. All elevations and notes shall be in millimeters.
84. All elevations and notes shall be in millimeters.
85. All elevations and notes shall be in millimeters.
86. All elevations and notes shall be in millimeters.
87. All elevations and notes shall be in millimeters.
88. All elevations and notes shall be in millimeters.
89. All elevations and notes shall be in millimeters.
90. All elevations and notes shall be in millimeters.
91. All elevations and notes shall be in millimeters.
92. All elevations and notes shall be in millimeters.
93. All elevations and notes shall be in millimeters.
94. All elevations and notes shall be in millimeters.
95. All elevations and notes shall be in millimeters.
96. All elevations and notes shall be in millimeters.
97. All elevations and notes shall be in millimeters.
98. All elevations and notes shall be in millimeters.
99. All elevations and notes shall be in millimeters.
100. All elevations and notes shall be in millimeters.
### EXHAUST EQUIPMENT SCHEDULES

#### CHEMICAL FUME HOODS

<table>
<thead>
<tr>
<th>Type</th>
<th>Material Code</th>
<th>Type</th>
<th>Material</th>
<th>Height Above Floor</th>
<th>Nominal Cfm</th>
<th>Maximum Cfm</th>
<th>Nominal Flow</th>
<th>Maximum Flow</th>
<th>Flow Rate</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEF</td>
<td>30</td>
<td>2</td>
<td>2</td>
<td>16</td>
<td>100</td>
<td>300</td>
<td>100</td>
<td>800</td>
<td>200</td>
<td>0.25</td>
</tr>
<tr>
<td>HEF</td>
<td>30</td>
<td>2</td>
<td>2</td>
<td>16</td>
<td>100</td>
<td>500</td>
<td>200</td>
<td>800</td>
<td>200</td>
<td>0.25</td>
</tr>
<tr>
<td>HEF</td>
<td>30</td>
<td>4</td>
<td>2</td>
<td>16</td>
<td>100</td>
<td>800</td>
<td>200</td>
<td>800</td>
<td>200</td>
<td>0.25</td>
</tr>
<tr>
<td>HEF</td>
<td>30</td>
<td>4</td>
<td>2</td>
<td>16</td>
<td>100</td>
<td>1000</td>
<td>200</td>
<td>800</td>
<td>200</td>
<td>0.25</td>
</tr>
</tbody>
</table>

**Notes:**
1. Dimensions are inclusive of the ventilation system, including the discharge flange.
2. Nominal and maximum airflow rates are based on the manufacturer's specifications.

### OTHER EXHAUST EQUIPMENT

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Description</th>
<th>Current</th>
<th>Nominal</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEF</td>
<td>Chemical fume hood</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Note:**
- Chemical fume hood specifications based on current manufacturer's specifications.

### INTERIOR DOOR CLEARANCES (ADA COMPLIANT)

#### ELECTRICAL AND ADA APPROACH CLEARANCES AT SS/EW
### LABORATORY SERVICE FITTING SCHEDULE

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Size</th>
<th>Location</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>VALVES UNDER DIVISION 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PW01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PW02</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PW03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PW04</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PW05</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### LABORATORY SINK SCHEDULE

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Material</th>
<th>Size</th>
<th>Location</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>Laboratory sink</td>
<td>Stainless steel</td>
<td>22&quot; x 15&quot; x 10&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Laboratory sink</td>
<td>Stainless steel</td>
<td>18&quot; x 12&quot; x 9&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>543</td>
<td>Laboratory sink</td>
<td>Stainless steel</td>
<td>16&quot; x 10&quot; x 5&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>544</td>
<td>Laboratory sink</td>
<td>Stainless steel</td>
<td>22&quot; x 15&quot; x 10&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**
1. All sink locations will be staggered as shown on plan.
2. All laboratory sinks will be back-to-back.
3. All laboratory sinks will be equipped with drain parts.
4. All laboratory sinks will be equipped with hot and cold water connections.
5. All laboratory sinks will be equipped with electrical outlets.

---

**LFO.3**

---

**PMBC COLLEGE BUILDING EXPANSION**

---

**Team A2**

---

**ARCHITECTS**

---

**BWS**