

| S. No.       | AHU-Tag#  | Fresh air Cooling Load (Tons) | Space Cooling Load (Tons) | Total Cooling Capacity (Tons) | Fresh air (CFM) | Exhaust air to the heat recovery unit (CFM) | Fresh air for positive pressure (CFM) |
|--------------|-----------|-------------------------------|---------------------------|-------------------------------|-----------------|---|---------------------------------------|
| 1            | AHU-1 & 2 | 11.1                          | 44.3                      | 55.4                          | 1828            | 828   | 1000                                  |
| 2            | AHU-3     | 9.9                           | 34.7                      | 44.6                          | 1642            | 742   | 900                                   |
| 3            | AHU-4     | 17.8                          | 37.5                      | 55.3                          | 2938            | 806   | 986                                   |
| 4            | AHU-5     | 4.5                           | 6                         | 10.5                          | 750             | 0   |                                       |
| 5            | AHU-6     | 2.5                           | 5                         | 7.5                           | 410             | 0   |                                       |
| 6            | FCU-1& 2  | 1.2                           | 4.61                      | 5.81                          | 197             | 0   |                                       |
| 7            | FCU-3     | 0.4                           | 0.8                       | 1.2                           |                 | 0   |                                       |
| <b>Total</b> |           | <b>47.4</b>                   | <b>132.91</b>             | <b>180.31</b>                 | 7765            | <b>2376</b>                                 | 2886                                  |

30% of total FA supplied

The above total cooling capacity is based on without heat recovery device.

ESP of supply ductwork of FAHU-1 = 1.25 "/Wg.

ESP of exhaust ductwork of FAHU-1 = 0.9 "/Wg.

Exhaust for battery charging room = 1145 cfm & 193 cfm for the positive pressure in the space