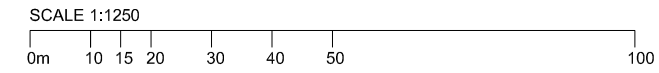
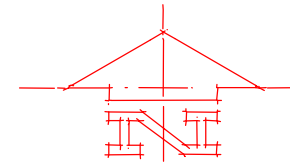


BLOCK PLAN 1:500



LOCATION PLAN 1:1250

| System Name: DA System | | | | | | | | | | DAPACK | | | | | | | | | | | | | | | | | |
|-------------------------|-------------------|----------|-----------------|-----------------------|---|-----------------------|-------------------------|--------------------|---|---|------------------------|------------------------------|--------------------------------|-----------------------------|------------------------------------|----------------------------------|------------------------------------|------------------------------|------------------------------------|----------------------------------|------------------------------------|------------------------------|-----------------|--------------|--|--|--|
| Compressor Pack Details | | | | | | | | | | Transcritical Performance at 38.0°C LT & 93.7 bar(a) DP | | | | | | | | | | | | | | | | | |
| New / Existing | Manufacturer | Model | Pack Controller | Compressor Temp Range | Compressor Model | Design Frequency (Hz) | Max Frequency (Hz) | Min Frequency (Hz) | Design Evap Capacity (kW) | Max Evap Capacity (kW) | Min Evap Capacity (kW) | Design Load Inc. Safety (kW) | Utilisation of Design Capacity | Utilisation of Max Capacity | Min Capacity % of Design Load | Design Heat Rejection (kW) | Max Heat Rejection (kW) | Min Heat Rejection (kW) | Design Power Input (kW) | Max Power Input (kW) | Min Power Input (kW) | | | | | | |
| New | Space Engineering | DT-2B/2K | RDM PRO652 | HT | 2KTE -7K (NV) | 68 | 50 | 30 | 15.440 | 19.640 | 8.200 | 25.253 | 99.380% | 85.660% | 32.472% | 35.000 | 44.900 | 19.520 | 11.970 | 15.200 | 7.170 | | | | | | |
| | | | | | 2KTE -7K HT Total | 50 | 50 | OFF | 9.970 | 9.840 | 0.000 | 25.253 | 99.380% | 85.660% | 32.472% | 22.600 | 22.500 | 0.000 | 8.260 | 8.260 | 0.000 | | | | | | |
| | | | | | 2MME -4K (VSD) | 53 | 64 | 30 | 5.200 | 6.940 | 2.800 | 8.079 | 99.004% | 81.603% | 34.659% | 57.600 | 67.400 | 19.520 | 20.230 | 23.460 | 7.170 | | | | | | |
| | | | | | 2MME -4K LT Total | 50 | 50 | OFF | 2.960 | 2.960 | 0.000 | 8.079 | 99.004% | 81.603% | 34.659% | 2.010 | 0.720 | 0.720 | 2.010 | 0.720 | 0.000 | | | | | | |
| | | | | | 2MME -4K LT Total | 50 | 50 | OFF | 8.160 | 9.900 | 2.800 | 8.079 | 99.004% | 81.603% | 34.659% | 2.010 | 0.720 | 0.720 | 2.010 | 0.720 | 0.000 | | | | | | |
| | | | | | Pack Totals | | | | 33.570 | 39.380 | 11.000 | 33.331 | | | | 57.600 | 67.400 | 19.520 | 22.240 | 25.960 | 7.940 | | | | | | |
| | | | | | COP At Design Ambient | | | | 1.509 | | | | | | | | | | | | | | | | | | |
| | | | | | Design Capacity | | | | 1.517 | | | | | | | | | | | | | | | | | | |
| | | | | | Max Capacity | | | | 1.385 | | | | | | | | | | | | | | | | | | |
| | | | | | Min Capacity | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | HT Duty Safety | | | | 5% | | | | | | | | | | | | | | | | | | |
| | | | | | LT Duty Safety | | | | 5% | | | | | | | | | | | | | | | | | | |
| | | | | | Vessel Volume (dm) | | | | 100 | | | | | | | | | | | | | | | | | | |
| | | | | | Pressure Equipment Category | | | | IV | | | | | | | | | | | | | | | | | | |
| | | | | | Notes: | | | | Housed pack remote gas cooler. Compressor data is approximate as the OEM uses software that is unavailable to the D&I contractor. | | | | | | | | | | | | | | | | | | |
| | | | | | Physical | | | | Weight (kg) | Length of Unit (mm) | Width of Unit (mm) | Height of Unit (mm) | Sound dB(A) @ 10m DAY | Sound dB(A) @ 10m NIGHT | Internal Volume (dm ³) | Day Time (rpm)/(vol)/(rpm)/(vol) | Night Time (rpm)/(vol)/(rpm)/(vol) | Electrical Start Current (A) | FLC Per Fan (A) | Power Supply | | | | | | | |
| | | | | | Approx. 2000 | 4099 | 1142 | 2157 | 30 | 30 | | | 53 | 63 | 400v 3P & N | 390/4.0 | 390/4.0 | 5.7 | 4.1 | 400v 3P & N | | | | | | | |
| | | | | | Gas Cooler Details | | | | DA GAS COOLER | | | | | | | | | | | | | | | | | | |
| | | | | | New / Existing | Manufacturer | Model | Capacity (kW) | Fan Control Type | Orientation | Number of Fans | Fin Coating | Weight (kg) | Length of Unit (mm) | Width of Unit (mm) | Height of Unit (mm) | Sound dB(A) @ 10m DAY | Sound dB(A) @ 10m NIGHT | Internal Volume (dm ³) | Day Time (rpm)/(vol)/(rpm)/(vol) | Night Time (rpm)/(vol)/(rpm)/(vol) | Electrical Start Current (A) | FLC Per Fan (A) | Power Supply | | | |
| | | | | | New | Kelvin | GF-MC10203H-091R390-750 | 80.97 | EC | Horizontal | 2 | Standard | 429 | 3993 | 1130 | 1333 | 30 | 30 | 17.5 | 390/4.0 | 390/4.0 | 5.7 | 4.1 | 400v 3P & N | | | |
| | | | | | Heat Pump Details For Zone: Sales Area | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | ACU-01, ACU-02, ACU-03, ACU-04, Systems | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Outdoor Unit Models | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | AC I.D. | Model | Manufacturer | System Type | New / Existing | Refrigerant | Max Pipe Length (m) | Refrigerant Charge (kg) | Nominal Heating (kW) | | | | | | | | | | | | | | |
| | | | | | ACU-01 | PUZ-4250YKA2 | Mitsubishi Electric | Twin-Split | Existing | R32 | 44 | 8.000 | 7.780 | | | | | | | | | | | | | | |
| | | | | | ACU-02 | PUZ-4250YKA2 | Mitsubishi Electric | Twin-Split | Existing | R32 | 36 | 8.000 | 7.780 | | | | | | | | | | | | | | |
| | | | | | ACU-03 | PUZ-4M140WA | Mitsubishi Electric | Split | Existing | R32 | 30 | 4.000 | 4.390 | | | | | | | | | | | | | | |
| | | | | | ACU-04 | PUZ-5M140WA2 | Mitsubishi Electric | Split | Existing | R32 | 36 | 4.000 | 4.540 | | | | | | | | | | | | | | |
| | | | | | Totals | | | | 4 | | | 24.000 | 24.490 | | | | | | | | | | | | | | |

PLANT DATA

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date APR 24 drawn C.J.J.

scale 1:500, 1250 @A3 drg no. 3868.12