

MECHANICAL SERVICES:

- SALES FLOOR AHU SPECIFIC FAN POWER TO BE NO GREATER THAN 1.0W/LVS
- SERVATORY EXTRACT FAN SPECIFIC FAN POWER TO BE NO GREATER THAN 1.0W/LVS
- FOOD PREP EXTRACT FAN SPECIFIC FAN POWER TO BE NO GREATER THAN 1.0W/LVS
- SALES FLOOR EXTRACT FAN SPECIFIC FAN POWER TO BE NO GREATER THAN 0.5W/LVS
- BOH ADMIN / STAFF AREA MECHANICAL VENTILATION WITH HEAT RECOVERY UNIT SPECIFIC FAN POWER TO BE NO GREATER THAN 1.5W/LVS
- BOH ADMIN / STAFF AREA MECHANICAL VENTILATION WITH HEAT RECOVERY UNIT TO HAVE BY-PASS CAPABILITIES.
- BOH ADMIN / STAFF AREA MECHANICAL VENTILATION WITH HEAT RECOVERY UNIT EFFICIENCY TO BE NO LESS THAN 75%.
- SALES FLOOR VRF EFFICIENCIES TO BE: SEER = 6.40, SCOP = 4.30
- GENERAL OFFICE DX AC EFFICIENCIES TO BE: SEER = 6.85, SCOP = 5.10
- CANTEEN DX AC EFFICIENCIES TO BE: SEER = 6.38, SCOP = 4.10
- TRAINING ROOM DX AC EFFICIENCIES TO BE: SEER = 6.17, SCOP = 4.24

ELECTRICAL SERVICES:

- SALES FLOOR LIGHTING PERFORMANCE - 15lm/w
- GENERAL LIGHTING - 100% LED DISPLAY LIGHTING
- ALL OTHER LIGHTING 100mw/w
- PIR LIGHTING CONTROLS TO ALL STAFF / ADMIN AREAS.

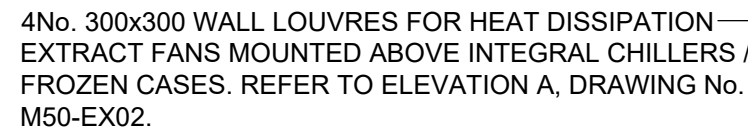
HODKINSON CONSULTANCY SBEM BRUKL REPORT TO BE CONSULTED FOR ADDITIONAL VSBEM PERFORMANCE REQUIREMENTS. THE CONSULTANT SHALL ENSURE PART L2A COMPLIANCE IS ACHIEVED AND PLANNING CANNON REDUCTION REQUIREMENTS MET.

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ASSOCIATED SERVICES DRAWINGS, ARCHITECTS AND ENGINEERS DRAWINGS TOGETHER WITH THE SCHEMATIC DRAWINGS AND ALL MECHANICAL, ELECTRICAL AND OTHER RELEVANT SPECIFICATIONS.
2. ALL SERVICES INSTALLATIONS SHALL BE CO-ORDINATED AND FULLY INTEGRATED WITH THE MECHANICAL AND ELECTRICAL SERVICES, ARCHITECTURAL FEATURES, SPECIALIST PLANT AND STRUCTURAL ELEMENTS.
3. THE SERVICES CONTRACTORS SHALL FAMILIARISE THEMSELVES WITH THE MECHANICAL AND ELECTRICAL SERVICES, ARCHITECTURAL FEATURES, SPECIALIST PLANT AND STRUCTURAL ELEMENTS.
4. THE INSTALLING SUB-CONTRACTOR SHALL ISSUE FULL 'WORKING DRAWINGS' IN LINE WITH THE SPECIFICATION PROVIDED. THE 'WORKING DRAWINGS' SHALL BE ISSUED TO ALL DESIGN TEAM MEMBERS FOR THEIR COMMENT PRIOR TO INSTALLATION. THE INSTALLATION AND CO-ORDINATION OF SERVICES WITH OTHER SERVICES AND PLANT PROVIDED BY OTHER CONTRACTORS IS THE RESPONSIBILITY OF THE INSTALLING SUB-CONTRACTOR.

 **SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**

Refer to the DGA Ltd project specific risk assessment and design criteria for the M&E services installation. The installing contractor must prepare method statements for the installation works and agree all works in advance with the main contractor.

NOTES



5No. ROOF MOUNTED HEAT DISSIPATION EXTRACT FAN;
MOUNTED AT ROOF RIDGE.

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Drawing Title

**EXTERNAL
MECHANICAL SERVICES
LAYOUT**

Scale at A0 1:100	Date 26-03-20
Drawn A. PARRY	Engineer A. PARRY
Status PLANNING	Checked P. GUEST