1.3 & 1.4 System Operation& Operation Procedure Air Conditioning System:

1) 24 Hours Change-Over Operation

Enclose the house electrical components: Indicating lights for Incoming, Run, Stop, Trip, High temperature, Reset Push-button, start and stop button, alarm buzzer, alarm buzzer push-button, high temperature thermostat, 10A SP MCB for Control, 24 Hour Recycle Timers and Auto/Off/Manual Selector Switch.

Applicable to rooms that require 24 hours air-conditioning to be run at all times.
- 01-02 ,01-03,01-05 ,01-06 NCR ROOM
- 01-07 OT SERVER ROOM
- 01-08 BATTERY ROOM
- 01-09 NCR (S) ,01-10 NCR (C)
- 01-11 EVC/ELET DB ROOM
- 03-11,03-12,03-13,03-14 NCR ROOM

Command Control / Control Function
Control Panel = turn on incoming power, select timer from 12am to 12pm changeover and select auto mode.
Indoor FCUs = operated by *wireless remote controller*, select mode (Cool), select fan speed (high), select temperature (23 deg C). (For First time setting only)
Use the Wireless Remote Controller to operate the Air cons.
Control Panel Status = incoming power indication lights (white), FCU operating status with indication light RUN (Green), STOP (Red), TRIP (Amber), HIGH TEMP (Red)
Status Alert = alarm Buzzer for High temperature, Alarm cancel push-button and reset push-button
Auto mode = Changing of the Fan-coil unit designated (Duty with Stand-by) with the use of timer programmed in the PLC.

Operation Procedure
1. Ensure the Air-con panel incoming power light is 'Turn on'.
2. Ensure the Selector switch is switched to 'Auto Mode'.
3. Press 'Start' button at the control panel before start of 'Operation'.
4. Press 'Stop' button the control panel after completion of 'Operation'.
5. Ensure the Air-con control panel incoming power light is 'Turn Off'.
6. In the event where the Fan coil units need to be turn on individually, the selector switch needs to turn to the manual mode and user must manually press the start or stop button necessary for the designated FCU intended
7. For rooms that are not having 24-hour operation for the FCU, operation of the FCU will be through the pressing of the individual thermostat located at the wall side of the rooms.
8. There will be a touch screen centralised remote control (CRC) to control all the FCU (Excluding FCUs having 24-hour operation) where user can select the individual FCU to monitor the status and to press the operation buttons (on/off, temperature) indicated on the screen. For more detailed operations to refer to the OMM material catalogue for more details

Mechanical Ventilation System:

Steps To Operate Exhaust/Fresh Air Fan: -

1) Manual Operation

1. Ensure All Electrical Power Supply is being turn "ON".
   The incoming indicating lights at the control panel will be lighted up.

2. Ensure All the Fan Individual Isolators are being turn "ON".

3. Each set of Fan Starter is provided with an AUTO/OFF/MANUAL selector switch. To operate manually, set the fan selector switch to MANUAL position.

4. The Fan can be switch on by pressing the START button switch. The RUN indicating light will be lighted up when the fan is running.

5. To stop the operation, press the STOP button switch and the OFF indicating light will be lighted up.

6. In the unlikely event of system failure, the fan operation will stop and the TRIP indicating light will be lighted up. Set the fan selector switch for the respective faulty fan unit to OFF position and call the maintenance department for assistance.

2) Auto Operation

A) (Interlocked with Lighting)

1. To operate automatically, set the fan selector switch to AUTO position.

2. The fan can be switched on automatically when the lighting switch is on.

3. Same as the manual operation, the RUN, STOP or TRIP indicating light will be lighted up respectively of the operation status.

B) (Interlocked to FCU)

1. To operate automatically, set the fan selector switch to AUTO position.

2. The fan can be switched on automatically when FCU is on.

3. Same as the manual operation, the RUN, STOP or TRIP indicating light will belighted up respectively of the operation status.