



SAMSUNG DVM EQUIPMENT SCHEDULE:

| ITEM:      | MAKE / MODEL   | Qty. | COOLING<br>KW | AIR QTY. | PIPING SIZES: |     |          | POWER REQUIREMENTS: |       |          |            | ISOLATOR<br>POSITION | WEIGHT  |      |    |
|------------|----------------|------|---------------|----------|---------------|-----|----------|---------------------|-------|----------|------------|----------------------|---------|------|----|
|            |                |      |               | NOMINAL  |               |     |          |                     |       |          |            |                      |         |      |    |
|            |                |      |               | l/s      | Liquid        | Gas | Pipe lth | Volts               | Kw    | RUN amps | C.B        |                      |         | SIZE | Kg |
| CASSETTES: |                |      |               |          |               |     |          |                     |       |          |            |                      |         |      |    |
| AC-1       | AM056FN4DEH/EU | 2    | 5.60          | 250      | 1/4           | 1/2 | N/A      | 220 V               | 0.032 | 0.22     | A, CURVE 1 | INDOOR               | 15.5 Kg |      |    |
| AC-2       | AM071FN4DEH/EU | 1    | 7.10          | 283      | 3/8           | 5/8 | N/A      | 220 V               | 0.045 | 0.31     | A, CURVE 1 | INDOOR               | 15.5 Kg |      |    |
| AC-7       | AM022FN4DEH/EU | 4    | 2.20          | 150      | 1/4           | 1/2 | N/A      | 220 V               | 0.018 | 0.17     | A, CURVE 1 | INDOOR               | 12 Kg   |      |    |
| AC-8       | AM028FN4DEH/EU | 5    | 2.80          | 166      | 1/4           | 1/2 | N/A      | 220 V               | 0.018 | 0.17     | A, CURVE 1 | INDOOR               | 12 Kg   |      |    |

# V.U.T GROUND FLOOR HVAC LAYOUT

SCALE 1:100

| LEGEND |   |
|--------|---|
|        | WIRED REMOTE CONTROLLER                                       |
|        | CENTRALIZED CONTROLLER  |
|        | REFRIGERANT SCHEMATICAL PIPEWORK LAYOUT                       |
|        | VRF REFRIGERANT PIPEWORK - REFNET JOINT                       |
|        | VRV REFRIGERANT PIPEWORK - MODE CHANGE UNIT                   |
| DG1    | 15x150mm DOOR GRILLE, NO VIEW, NATURALLY ANODISED ALLUMINIUM  |
| DG2    | 200x150mm DOOR GRILLE, NO VIEW, NATURALLY ANODISED ALLUMINIUM |
| DG3    | 250x200mm DOOR GRILLE, NO VIEW, NATURALLY ANODISED ALLUMINIUM |
| DG4    | 250x250mm DOOR GRILLE, NO VIEW, NATURALLY ANODISED ALLUMINIUM |
| DG5    | 350x300mm DOOR GRILLE, NO VIEW, NATURALLY ANODISED ALLUMINIUM |
| DG6    | 600x600mm DOOR GRILLE, NO VIEW, NATURALLY ANODISED ALLUMINIUM |
| DV1    | Ø150mm DISC VALVE   |
| DV2    | Ø200mm DISC VALVE   |
|        | DRAINAGE SCHEMATICAL PIPEWORK LAYOUT                          |

| REV. | DATE:      | DESCRIPTION:   | BY:   |
|------|------------|--|-------|
| 1.   | 18/03/2016 | ISSUED FOR INFO / APPROVAL   | D.G.M |
| 2.   | 04/04/2016 | DUCT SIZES REVISED & CONTROLLER POSITIONS DONE.SHOP DRAWINGS FOR APPROVAL. | D.G.M |
| 3.   | 08/04/2016 | ISSUED FOR CONSTRUCTION.   | D.G.M |
|      |            |  |       |
|      |            |  |       |
|      |            |  |       |
|      |            |  |       |

- General Notes:
- ALL DUCTWORK TO BE MANUFACTURED IN ACCORDANCE WITH S.M.A.C.N.A. LOW VELOCITY DUCT STANDARDS.
  - ALL DUCTWORK WITH A SEMI-PERIMETER OF 1200mm OR LESS TO HAVE S & DRIVE JOINTS, ABOVE 1200mm TO BE MEZZ FLANGED.
  - ALL DUCTWORK TO BE SUPPORTED WITH GRIPPLE TYPE HANGER CABLE WITH Ø8mm HAND EYE HOOKS @ 2400mm CENTRES.
  - ALL BENDS TO HAVE 150mm RADI & SPLUTERS (ONLY IF INDICATED ON THE DRAWING).
  - ALL SHOE PIECES TO BE 150mm LONG @ 45°.
  - ALL DUCTWORK TO BE EXTERNALLY INSULATED WITH 25mm INSULATION, (WHERE INDICATED)
  7. DENOTES 220V/50 POWER SUPPLY WITHIN 1m. OF EQUIPMENT. (BY ELECTRICIAN)
  8. DENOTES 380V/50 POWER SUPPLY WITHIN 1m. OF EQUIPMENT. (BY ELECTRICIAN)
  - INDICATES UNIT REFRIGERATION PIPING.
  - INDICATES 50mm CONDENSATE DRAIN PIPING.(BY DTEQ)
  - INDICATES 25mm CONDENSATE DRAIN PIPING. (BY PLUMBER)
  - INDICATES 50mm CONDENSATE DRAIN POINT IN THE CEILING VOID COMPLETE WITH TUNDISH 120mm ABOVE CEILING. (BY PLUMBER)
  - INDICATES 25mm CONDENSATE DRAIN POINT IN THE PARTITIONING WALL WHERE INDICATED. (BY PLUMBER)
  - CONTROLLER POSITION C/W Ø20mm CONDUIT ABOVE CEILING TO A 50mmx50mm WALL BOX AT 1600mm A.F.F.L. (BY ELECTRICIAN.)
  - DOORS TO BE UNDERCUT BY 30mm.
  - Ø200 ADJUSTABLE DAMPER. (BY BUILDER)
  - STANDARD DOOR GRILL. OPENING BY CARPENTER
  - RE-HEAT DIFFUSER 220V POWER POINT REQUIRED (BY ELECTRICIAN)
  - OR
  - OPENING'S REQUIRED BY BUILDER.
  - CEILING FAN - WIRED TO LIGHT CIRCUIT

FOR CONSTRUCTION

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PROJECT NAME:

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|               |        |                  |                   |
|---------------|--------|------------------|-------------------|
| Design Stage: | Scale: | Trade:           | Type of Document: |
| CONSTRUCTION  | 1:100  | AIR CONDITIONING | DRAWING           |

Document Title:

V.U.T GROUND FLOOR HVAC LAYOUT

|                             |           |
|-----------------------------|-----------|
| Job No / File No / Dwg No.: | Revision: |
| <b>DWG- 9164 -001</b>       | <b>3.</b> |

### NOTE TO ELECTRICAL ENGINEER

MANUFACTURER'S RECOMMENDATIONS:  
SUPPLY ELECTRICAL CABLE TO AC UNITS  
1.5mm² -CABLE LESS THAN 20 METRES  
2.5mm² -CABLE MORE THAN 20 METRES