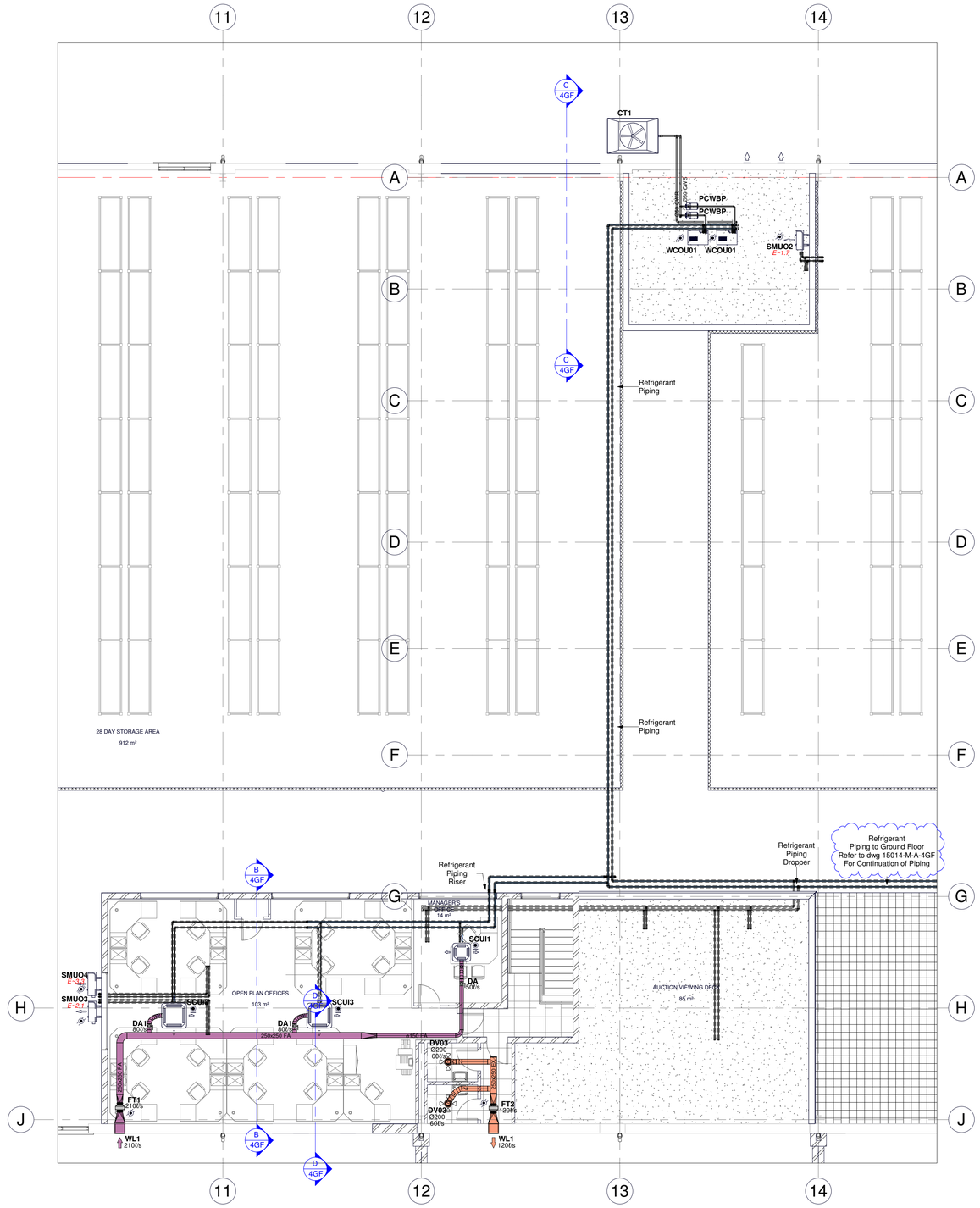
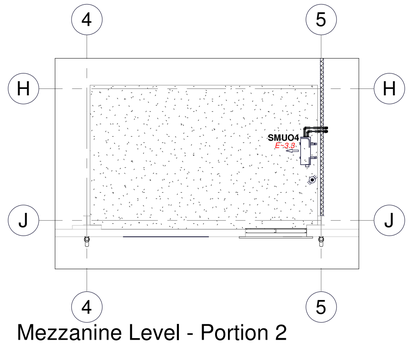


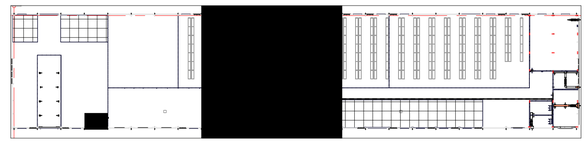

Mezzanine Level - Portion 1

1 : 100




Mezzanine Level - Portion 2

1 : 100



Mezzanine Floor Key Plan

1 : 1000

**4ME Fans**

| Code | Type | Power: Diameter (Ømm) | Power: Air Flow (l/s) | Power: Static Pressure (Pa) | Power: Total Pressure (Pa) | Power: Phase (V/ph/Hz) | Power: Motor (kW) | Power: Variable Speed (Yes/No) | No. Off | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| FT1 | Tube | 200 | 210 | 0.0 | 0.0 | 231/1/50 | 0.16 | Yes | 1 | |
| FT2 | Tube | 200 | 120 | 0.0 | 0.0 | 231/1/50 | 0.16 | Yes | 1 | |

**4ME Terminal Schedule**

| Code | Type | Dimentions: Length (mm) | Dimentions: Width (mm) | Dimentions: Diameter (Ømm) | Heating Capacity (kW) | Throw Max (m) | Throw Min (m) | Static Pressure (Pa) | Noise Level (NC) | Volume Control Damper (Yes/No) | Master Diffuser Yes/No | Connection Size: Round (Ømm) | Connection Size: Length (mm) | Connection Size: Width (mm) | No. Off | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WL1 | Weather Louvre | 400 | 400 | | | | | 40 | 30 | | | | 400 | 400 | 2 | |
| DV03 | Disk Valve | | | 250 | | | | 40 | 30 | Yes | | 200 | | | 2 | |

**4ME Dampers**

| Code | Type | Control | Blade | Dimentions: Width (mm) | Dimentions: Height (mm) | Dimentions: Diameter (Ømm) | No. Off |
|---|---|---|---|---|---|---|---|
| DA | Balancing | Manual | Butterfly | | | 150 | 1 |
| DA1 | Balancing | Manual | Butterfly | | | 150 | 1 |
| DA1 | Balancing | Manual | Butterfly | | | 150 | 1 |

**4ME Split Units**

| Code | Type | Capacity: Cooling Total (kW) | Capacity: Cooling Sensible (kW) | Capacity: Heating Capacity (kW) | Air Flow (l/s) | Power: Phase (V/ph/Hz) | Power: Power Absorbed (kW) | Weight (kg) | No. Off |
|---|---|---|---|---|---|---|---|---|---|
| SCUI1 | Cassette | 3.8 | 3 | 3.8 | 233 | | | 24 | 1 |
| SCUI3 | Cassette | 7.8 | 6.2 | 7.8 | 316 | | | 26 | 2 |
| SMUO2 | Condensor | 3.8 | 3 | 3.8 | | 231/1/50 | 1.7 | 41 | 1 |
| SMUO3 | Condensor | 5.27 | 4.2 | 5.3 | | 231/1/50 | 2.1 | 51 | 1 |
| SMUO4 | Condensor | 7.8 | 6.2 | 7.8 | | 400/3/50 | 3.3 | 73 | 2 |

## Revisions:

| Rev | Description | Date | By |
|---|---|---|---|
| A | Updated Architectural Layout | 08.06.2015 | MH |
| B | Notes Added | 06.07.2018 | KM |

## Standard Mechanical Notes:

This drawing shall not be used as a construction/ installation drawing.

Routed and zones have been allocated to this service, locations dimensions are indicated of these.

To prepare his construction/ installation drawing, the (sub) contractor shall adhere to this co-ordination principle and shal inspect all the architect's drawings, including structural and other services design drawings pertaining to the works. The (sub) contractor shall acqaint him/herself with the general arrangement of all other services and ensure that in fixing his/her work it shall not obstruct the fixing of future maintenance of other services.

The (sub) contractor shall be responsible for the correct field dimensions: clearances and heights, quantities, fabrication processes and techniques of construction co-ordintation of his/her work with that of all other trades, providing all devices necessary for safe and satisfactory operation.

## Legend:

### HVAC:

- Ceiling Disk Valve
- Door Grille
- SG# / RG# / EG# - Ceiling Grille 45°
- Ceiling Sweep Fan
- Axial Fan
- Pod/round Sound Attenuator
- Tube Fan

### Electrical:

- Sensor / Setpoint adjuster at 1800 AFFL Ø20mm conduit chased into wall with draw wire by electrical subcontractor
- Single phase electrical isolator by electrical sub-contractor
- Three phase electrical isolator by electrical sub-contractor
- 24 Volt Fire Signal to fire Damper
- E-# - Equipment Electrical load in kW

### Plumber:

- Drain Point at floor Level by plumber
- Full bore drain point by plumber
- Drain point **BELOW** ceiling by plumber Refer to Unit details
- Drain point **ABOVE** ceiling by plumber Refer to Unit details

This drawing is based on Architects drawing No:

-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MECHANICAL & ELECTRICAL CONSULTING ENGINEERS


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**Project:**

SARS STATE WAREHOUSE

**Drawing Title:**

Mezzanine Level
HVAC Layout

| Designed | Drawn | Checked | | Passed | Date | Size |
|---|---|---|---|---|---|---|
| | | Quality | Design | PR Eng | | A1 |
| CK | MH | | | | 09/08/15 | Scale |
| | | | | | | As indicated |

Drawing Status : **Issued for Information**

| Project Number | Division | Service | Drawing Number | Revision |
|---|---|---|---|---|
| 15014 | M | A | 4ME | B |

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