

Email reference: Fri 18/11/2022 10:12

From: [alistair@Hederascreens.co.uk](mailto:alistair@Hederascreens.co.uk)

Managing Director, Hedera screens

Phone: 01530 560550

- I. Its location, extent, specification (plant species and growing medium type), landscape integration, integration with other plant or renewable energy infrastructure, structural integrity, construction, operation and access;
  - Location - The MobiPanel is located on the south elevation, the WallPlanter is on the east elevation
  - Extent – MobiPanel 358m2 and the WallPlanter is 390m2 – LEAD TIMES, MobiPanel, minimum of 6-months for planting and growing time, for the WallPlanter, we will need a minimum of 9-months, this of course, is dependent on what time of the year your order is placed due to seasonality of plants.
  - Specifications – for both living walls, see attached
  - Landscape integration & integration with other plant or renewable energy infrastructure – No integration with any other renewables, however the living walls do assist with heat retention within the building, and also act to keep the building cooler
  - Structural integrity – Please refer to attachments for detailed information
  - Construction - Please refer to attachments for detailed information
  - Operation & Access – We would require a crane and scissor lift to lift in the WallPlanter and cherry picker for the MobiPanel
- II. Maintenance plan to show how it will be maintained regularly, maintenance considerations due to other cladding infrastructure and any changes in maintenance throughout the seasons, and an inspection programme to allow dead or dying plants to be identified and replaced.

The maintenance programme would run for one year. We would include in our maintenance procedures the following:-

After installation, we would attend site at 2-week intervals for the first 3-months, checking health status of both living walls, after this time, we would attend once per month, replace liquid fertiliser in Dosatron feeding system, check for pests and diseases (treatments not inc), check fixings, seasonally adjust irrigation timings as and when necessary. The irrigation system will be remotely operated from our offices. With regards to plant failures, we allow for a 10% replacement over a one year period, should any more be required, these will be chargeable.

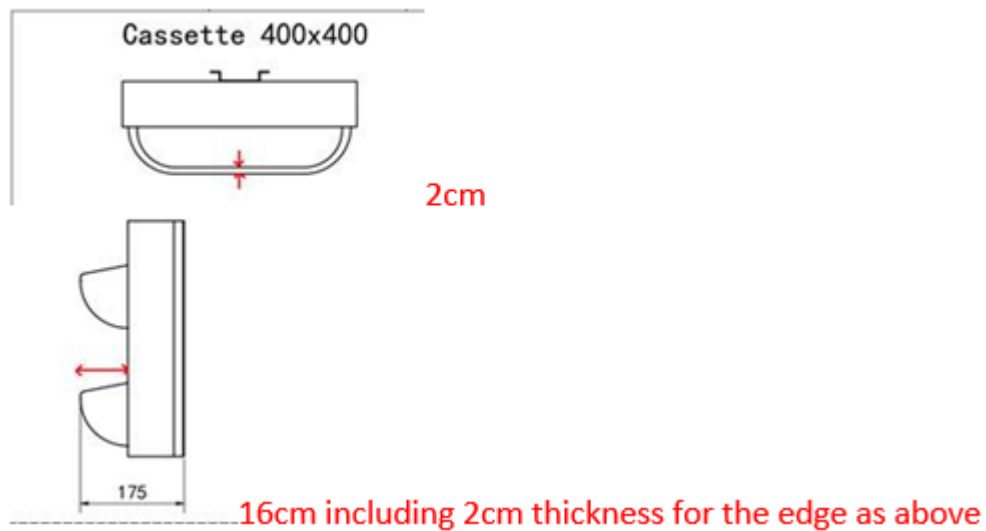
Email reference: Tue 07/02/2023 09:01

From: [Gemma@hederascreens.co.uk](mailto:Gemma@hederascreens.co.uk)

Projects Liaison Officer

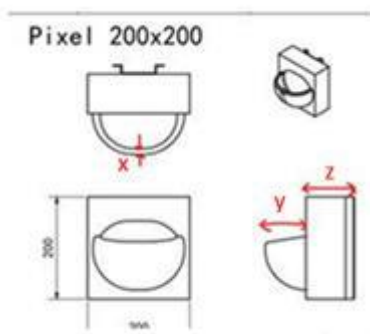
Phone: 01530 560550

MobiPanel dimensions:



The soil volume of a MobiPanel cassette is approximately 6 litres

Growing medium depth



The soil volume of a MobiPanel Pixel is approximately 1 Litre

Pixel dimensions:

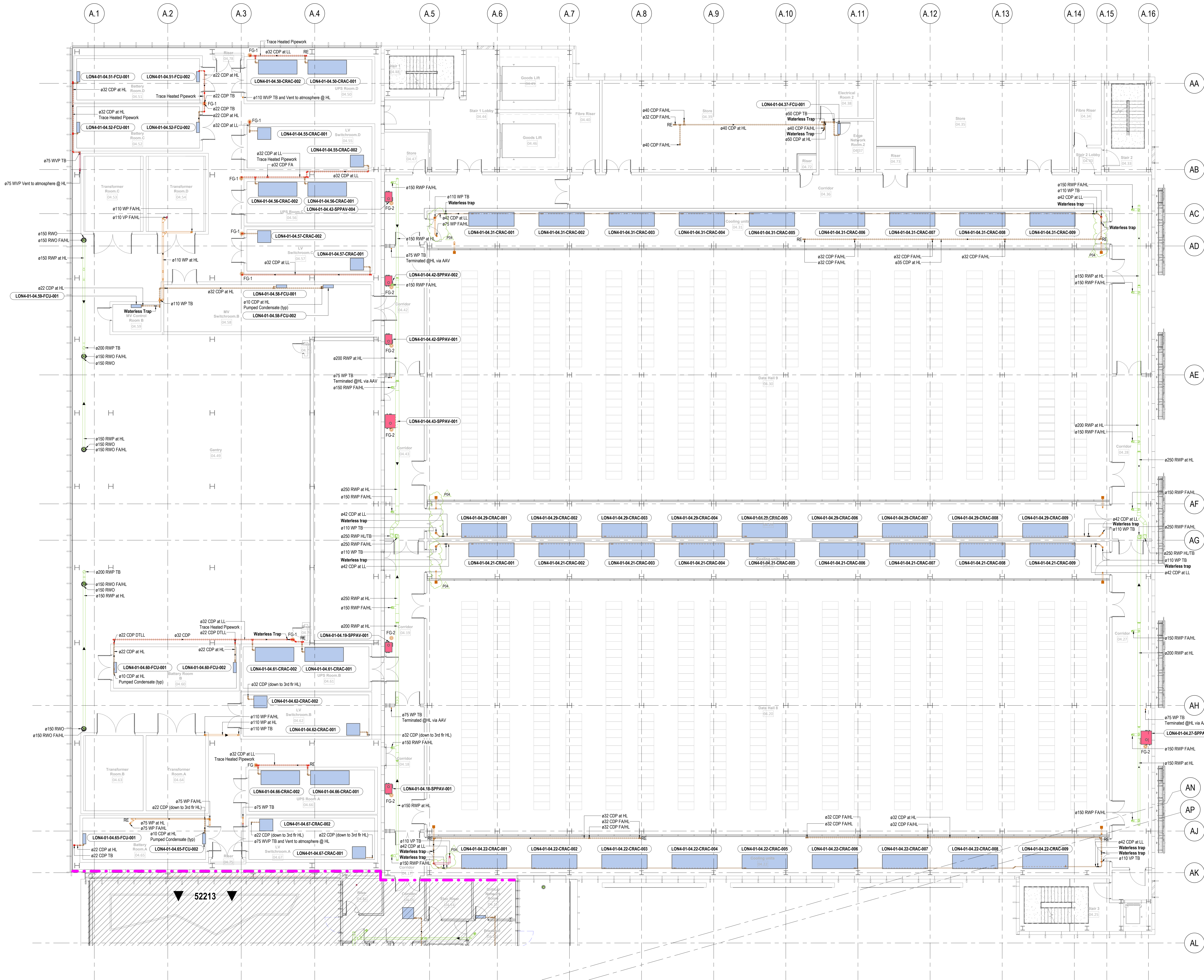
X = 11.5mm

Y = 80mm

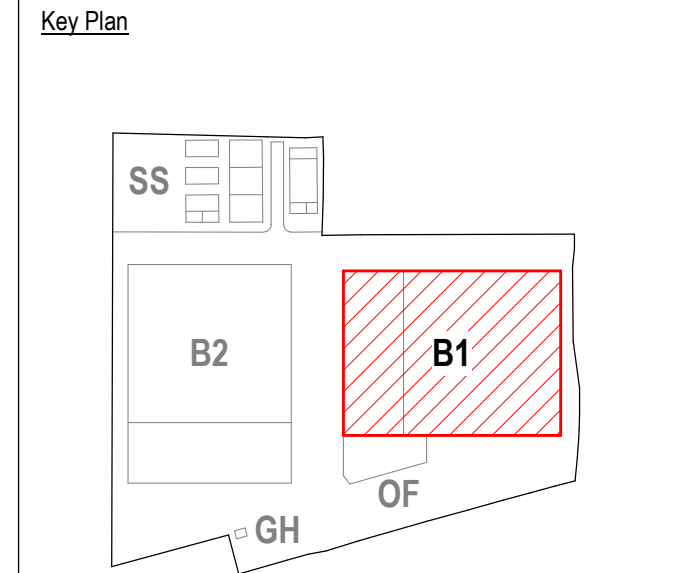
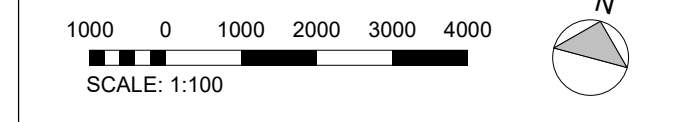
Z = 95mm

Depth of both pixel and cassette units = 175mm



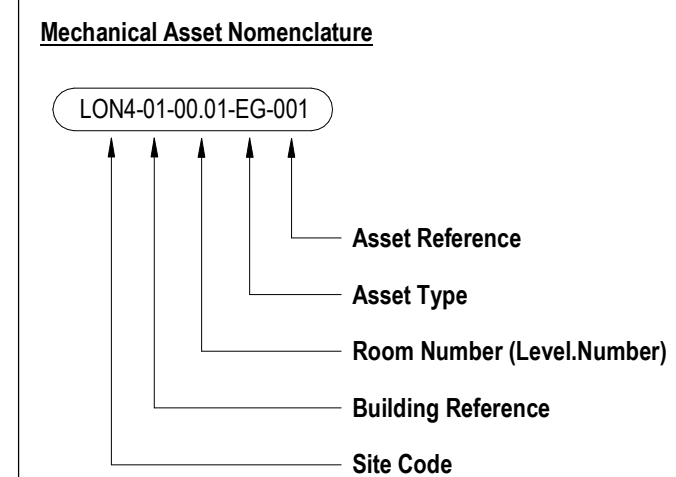


- General Notes
1. Do not scale from this drawing. All dimensions indicated are in millimetres unless otherwise stated. Verify all measurements on site.
  2. Any discrepancies between this drawing and other documents should be brought to the attention of the project manager.
  3. This drawing is not an installation drawing. It is the Contractor's responsibility to make full coordination with all other drawings.
  4. The contents of this drawing shall be read in conjunction with the current revisions of Architectural, Civil, Structural, Mechanical, Electrical, Security, Volume drawings and all relevant sections of the specifications.



- Legend:
- Soil Pipe
  - Waste Pipe
  - Condensate
  - Rainwater
  - Vent Pipe
  - Trace Heated Pipework
  - Pipework Below Ground
  - Pipework Above Ground

- Abbreviation:
- AAV Air Admittance Valve
  - AP Access Panel
  - FC Fire Collar
  - VTR Vent thru Roof
  - SD Shower Drain
  - SP Soil Pipe
  - SVP Soil Vent Pipe
  - URI Urinal
  - WC Water Closet
  - WHB Wash Hand Basin
  - WP Waste Pipe
  - WVP Waste Vent Pipe
  - RWO Rain/Water Outlet
  - FCU Fan Coil Unit
  - VTR Vent Thru Roof
  - CDP Condensate Drain
  - TB To below
  - FG-1 Floor gully with dry seal trap and funnel
  - FG-2 Floor gully with dry seal trap
  - FG-3 Closed Top Floor gully For Future use
  - FDO Floor Clean Out
  - WM Water Meter



- Notes
1. Refer to Client "Asset Naming Convention" document for full details of "Asset Type" abbreviations.

PH1	STAGE 04 - NOVEMBER 2014 UPDATE	JM/PAL/001	04/11/12
PH2	STAGE 04 - JULY 2014 UPDATE	JM/PAL/001	18/07/12
PH3	STAGE 04 - AUGUST 2014 UPDATE	JM/PAL/001	22/08/12
PH4	STAGE 04 - 10th ISSUE	JM/PAL/001	17/12/12
PH5	STAGE 04 - 11th ISSUE	JM/PAL/001	15/11/12

Client

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Data Centre Services

Lead Consultant MEP Designer

Architect

**NWA**

Structural/Consult Engineer

**ARUP**

File Consultant

**salus**

Security Designer

**Control Risks**

**Drawings Development**

This drawing has been developed from the following Design Information:

Architectural Model:  
DCS20109-001-01-22-MIS-A-00001.rvt  
Revised: 23/12/12

Civil Model:  
DCS20109-001-01-22-MIS-A-00012.rvt  
Revised: 23/12/12

Structural Model:  
DCS20109-001-01-22-MIS-A-00001.rvt  
Revised: 23/12/12

Residual Risk Register

Item:	No Residual Risk Identified.
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In addition to the hazards / risks normally associated with the types of work detailed on the drawing note the following:

1. **CONSTRUCTION**  
Local Building Regulations shall be complied with in respect to inspection and commissioning.
2. **MAINTENANCE / CLEANING**  
Health and Safety with access regulations shall be observed.
3. **DECOMMISSIONING / DEMOLITION**  
WEEE and ROHS regulations shall be complied with. It is assumed that all work will be carried out by a competent contractor working, where appropriate, to an approved method statement.

Project Title

London 4

Drawing Title

Drainage Layout  
Building 01  
Level 04  
(Typical Fit-Out Floor)

Project Status

**STAGE 4A ISSUE**

Discipline

**PLUMBING**

Project Number

P20114

Scale

B A0

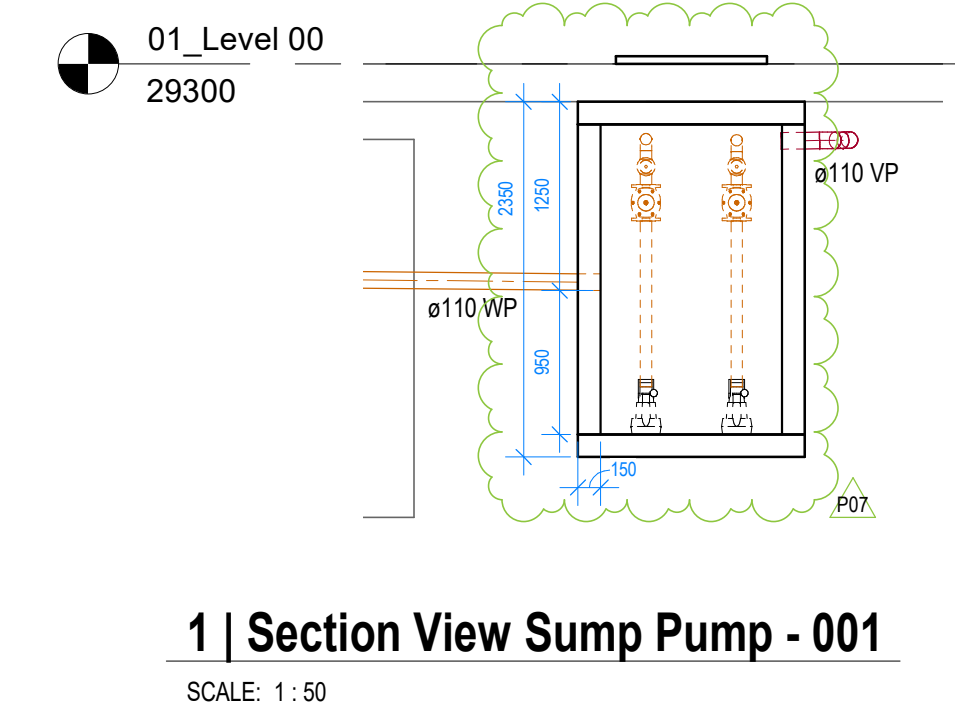
Revision

P04

Drawn

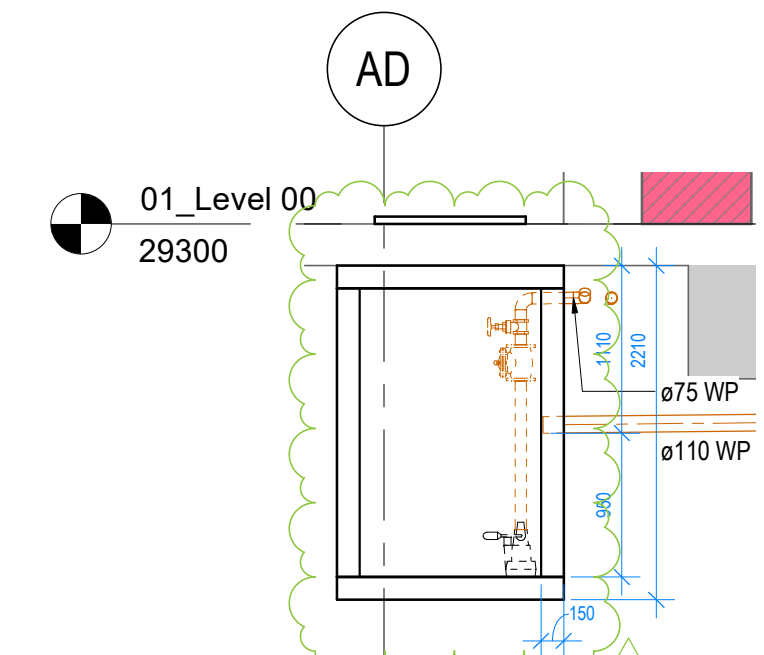
DCS20109-BWE-DC-01-04-DR-P-52214





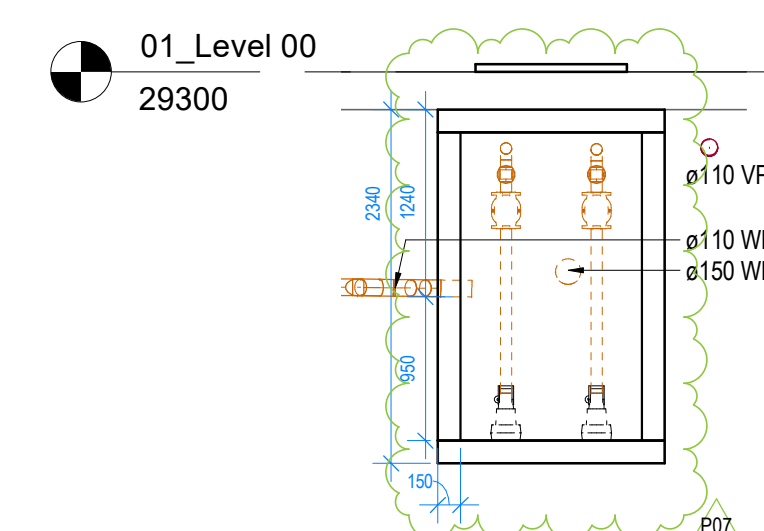
1 | Section View Sump Pump - 001

SCALE: 1 : 50



## 2 | Section View Sump Pump - 002

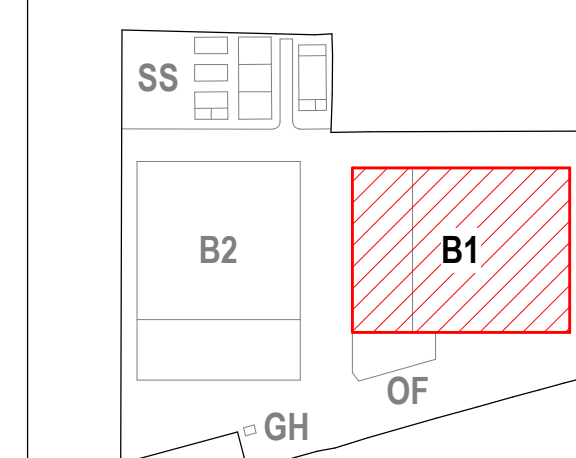
SCALE: 1 : 50











### 3 | Section View Sump Pump - 003

SCALE: 1 : 50

- Key Plan



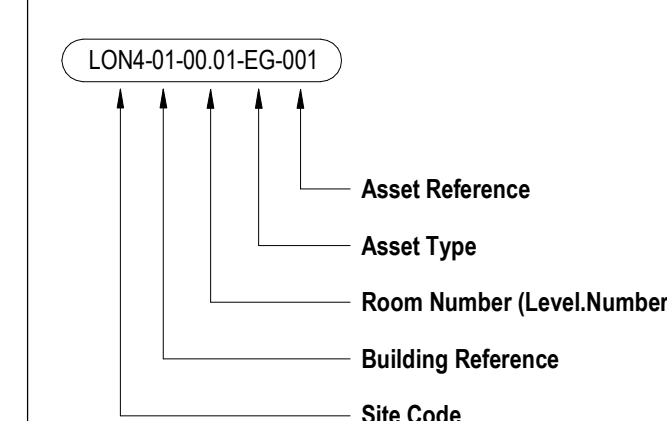
Legend:

- |   |                       |
|---|-----------------------|
|  | Soil Pipe             |
|  | Waste Pipe            |
|  | Condensate            |
|  | Rainwater             |
|  | Vent Pipe             |
|  | Trace Heated Pipework |
|  | Pipework Below Ground |
|  | Pipework Above Ground |

Abbreviation

- |      |  |
|------|--|
| AAV  | Air Admittance Valve                           |
| AP   | Access Panel                                   |
| FC   | Fire Collar                                    |
| VTR  | Vent thru Roof                                 |
| SD   | Shower Drain                                   |
| SP   | Soil Pipe                                      |
| SVP  | Soil Vent Pipe                                 |
| URI  | Urinal   |
| WC   | Water Closet                                   |
| WHB  | Wash Hand Basin                                |
| WP   | Waste Pipe                                     |
| WVP  | Waste Vent Pipe                                |
| RWO  | Rain/Water Outlet                              |
| FCU  | Fan Coil Unit                                  |
| VTR  | Vent Thru Roof                                 |
| CDP  | Condensate Drain                               |
| TB   | To Below                                       |
| FG-1 | Floor gully with dry soil trap and furnace top |
| FG-2 | Floor gully with dry soil trap                 |
| FG-3 | Closed Top Floor gully for Future use          |
| FCO  | Floor Clean Out                                |
| WM   | Water Meter                                    |

### Mechanical Asset Nomenclature



## Notes

1. Refer to Client "Asset Naming Convention" document for full details of "Asset Type" abbreviations.

P07	STAGE 4A - NOVEMBER 22 UPDATE	JM / PA / OO	04 / 11
P06	STAGE 4A - OCTOBER 22 UPDATE	JM / PA / OO	21 / 10
P06	STAGE 4A - JULY 22 UPDATE	JM / PA / OO	18 / 07
P04	STAGE 4A ISSUE	JM / PA / OO	30 / 03
P03	STAGE 4A ISSUE	JM / PA / OO	22 / 02
P02	STAGE 3 - 100% ISSUE	JM / PA / OO	17 / 12
P02.2	STAGE 3 - 90% ISSUE	JM / PA / OO	19 / 11
P02.1	STAGE 3 - 50% ISSUE	JM / PA / OO	15 / 10
P01	STAGE 2 - 100% ISSUE	GDG / PF / TB	16 / 07

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Fire Consultant

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**Control Risks**

Project Title

London 4

Drainage Layout  
Building 01  
Level 00

Project Status

**STAGE 1A ISSUE**

Discipline	Status Code
<b>PLUMBING</b>	<b>S4</b>

Project Number	Scale @ A0	Revision
<b>P20114</b>	<b>As Shown</b>	<b>P07</b>

Drawing Number  
**DCS20109-BWE-DC-01-00-DR-P-52201**  
Project — Originator — Functional — Spatial — Level — Form — Discipline — Number

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