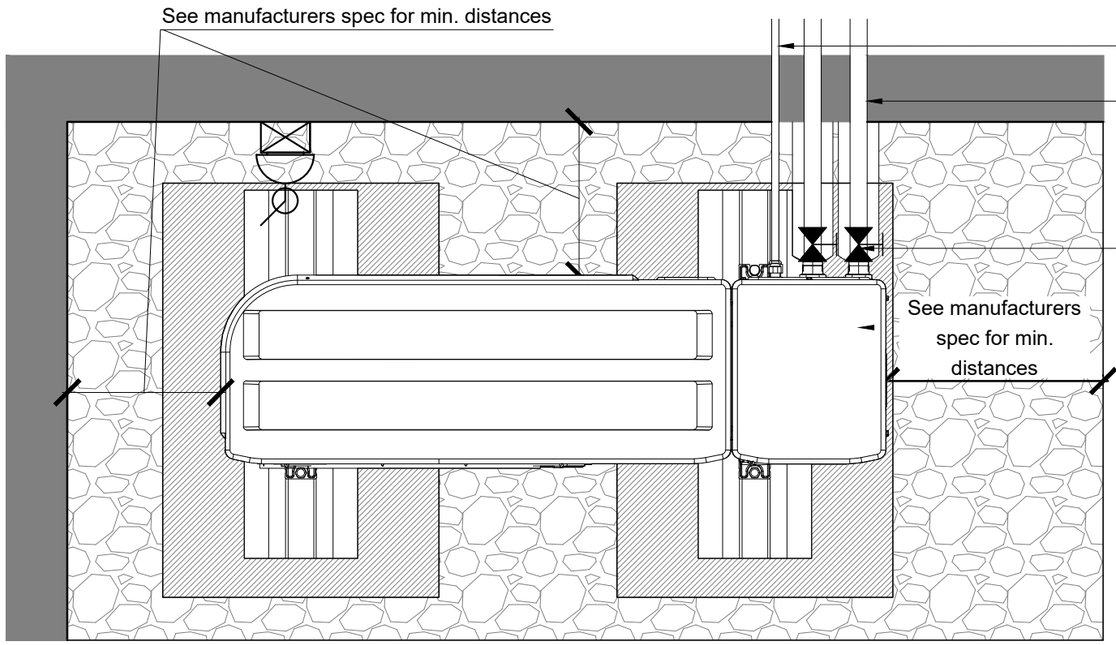
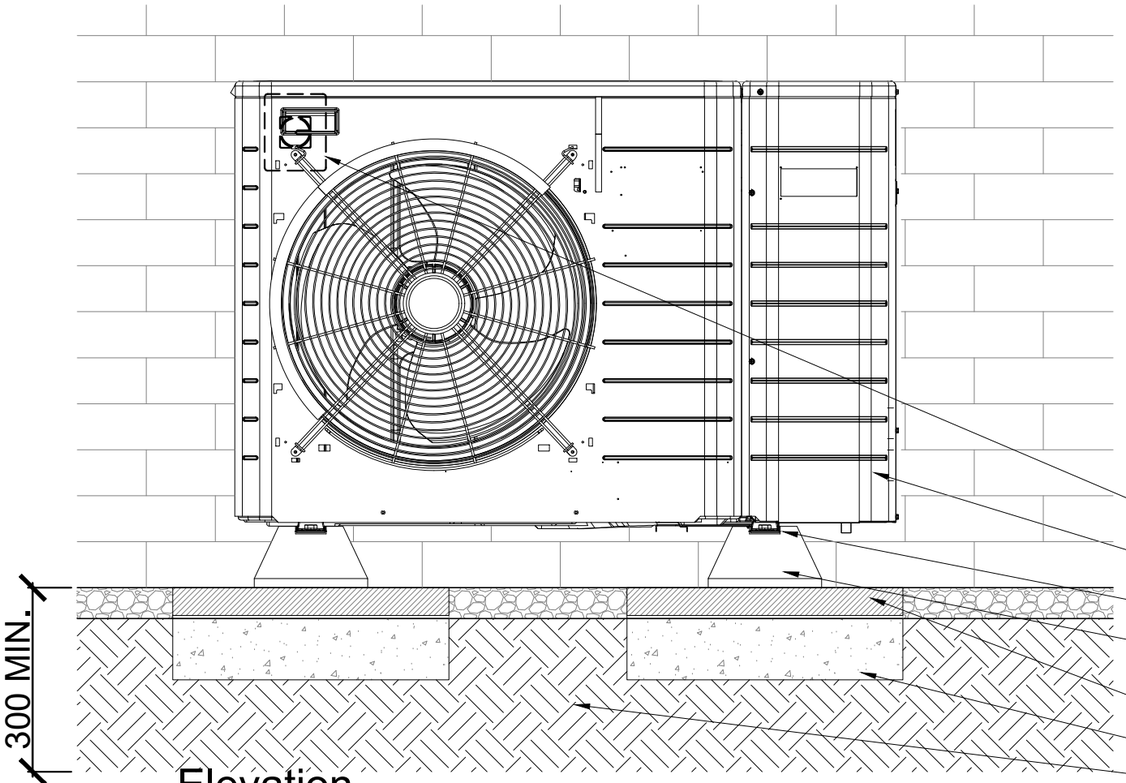


Plan

SCALE 1:10



Elevation

SCALE 1:10

Electrical Connection as Per Wiring Diagram

Flow & Return Water Pipe insulated as per Mechanical Schematic. Pipework installed directly through wall behind unit and run:
- within timber frame wall panels in Timber Frame Construction
- within boxing in Masonry Construction (alongside SVP where possible or in similar size boxing)

Heat Pump Isolation Valves Fitted as Close to Unit as Possible

ASHP Isolator Switch behind unit.

Air Source Heat Pump Outdoor Unit (Manufacturer to be confirmed - project specific)

Bolted Fixing To Manufacturers Instructions

600mm Min. Length Rubber Feet With Metal Groove. Pumphouse Flexi Foot or Equivalent

450x450mm concrete paving slabs below feet

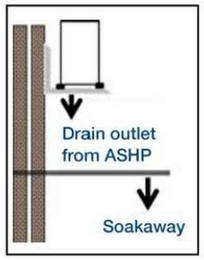
100mm Semi-dry concrete below slabs

Free draining material.
Alternatively ASHP Condensation to an ASHP soakaway (DET1).

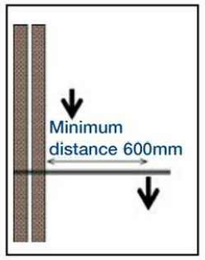
DET1: ASHP Soakaway

NOT TO SCALE

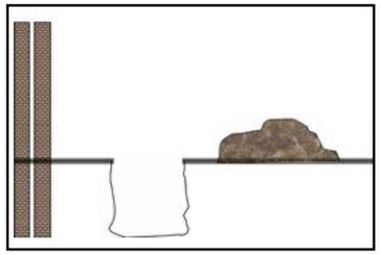
Pre-bagged geo textile soakaway with rubber chippings to dispose of the condensate domestic sized ASHP as an alternative to free draining material. **To be installed to manufacturer's guidance.**



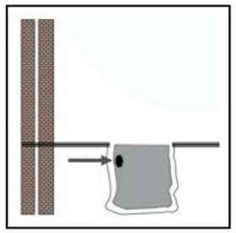
1. Identify route of condensate drain from ASHP and best location for position of soakaway.



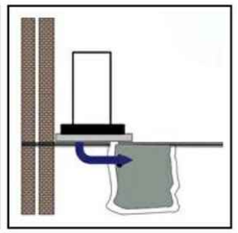
2. Soakaway at least 600mm from the wall to avoid causing damp to the footings.



3. Dig a hole min 500mm deep x min. Ø400mm.



4. Insert the soakaway bag with inlet holes facing the property.



5. Fit the pipework from the ASHP into the soakaway bag.

NOTES:

All dimensions to be checked on site prior to the commencement of construction and any discrepancy should be reported to the Site Manager.

Sub-Contractors MUST ensure that they have the latest issue drawing before they commence work on site.

This drawing is to be read in conjunction with all relevant Specifications, schedules and Engineers details.

DETAIL NOTE:

1. Air Source Heat Pump outdoor unit must be located over free draining material to manage moisture run-off from defrost cycle and operational condensation.
2. Outdoor units should not be located facing each other if they are within a proximity of 3m.
3. Setting out position in accordance with Manufacturers guidance & Architect's EWP
4. Refer to CALA's **Air Source Heat Pump Playbook** for further information

Rev	Date	Description	Init.
C	23.01.2024	ASHP Isolator Switch added	CDE
B	20.10.2023	Note re:internal pipework & soakaway information added	CDE
A	14.11.2022	Base Specification updated	CDE

CALA

LIGHT & SPACE COLLECTION

JOB TITLE
Standard Details

DRAWING TITLE
Monobloc Air Source Heat Pump Ground Mounted Detail

SCALE	DATE	DRAWN
1:10 @ A3	Mar 2022	CDE

DWG NO.
SD/7067

REV.
C