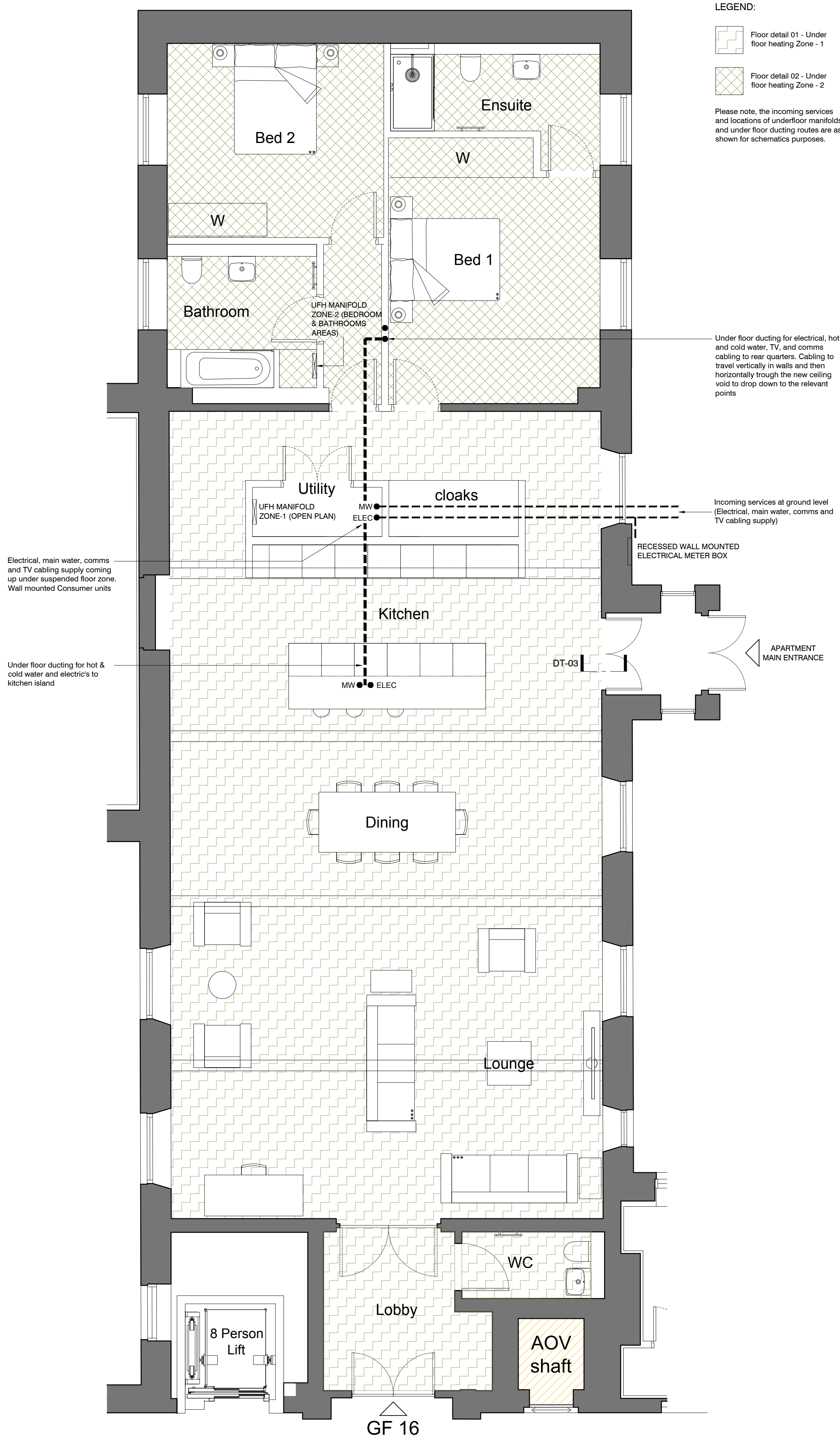
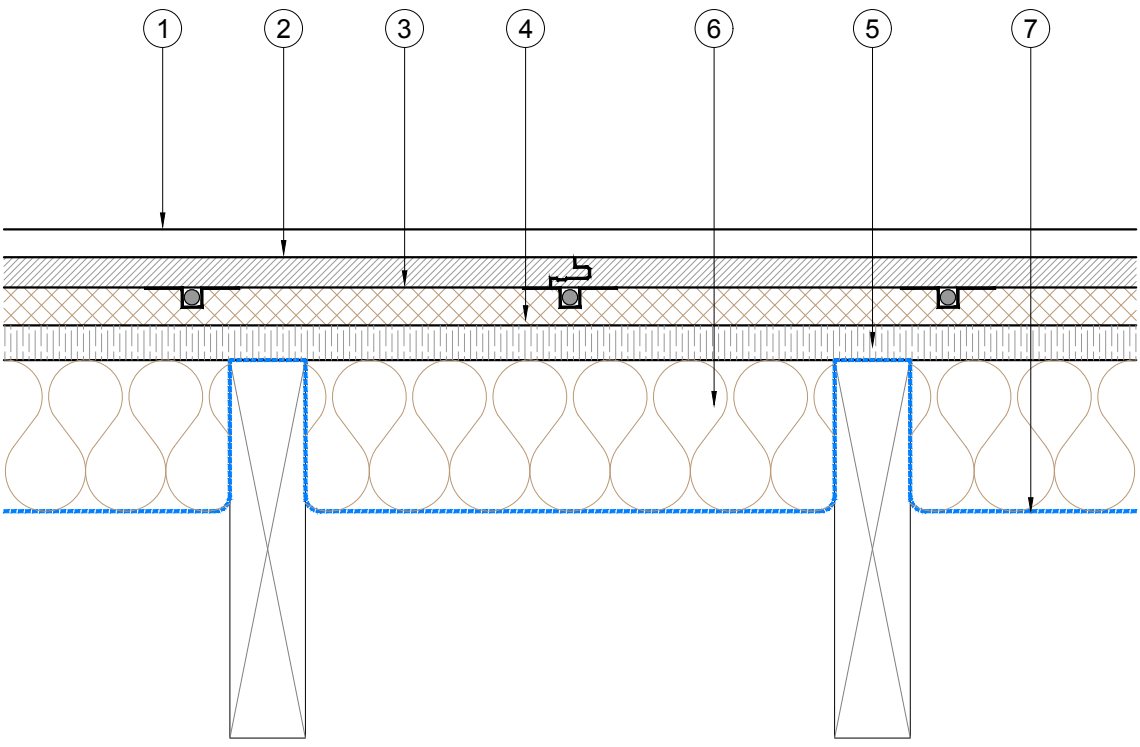




Floor Detail 01:



Existing suspended ground floor with thermal upgrade and UFH 1:5

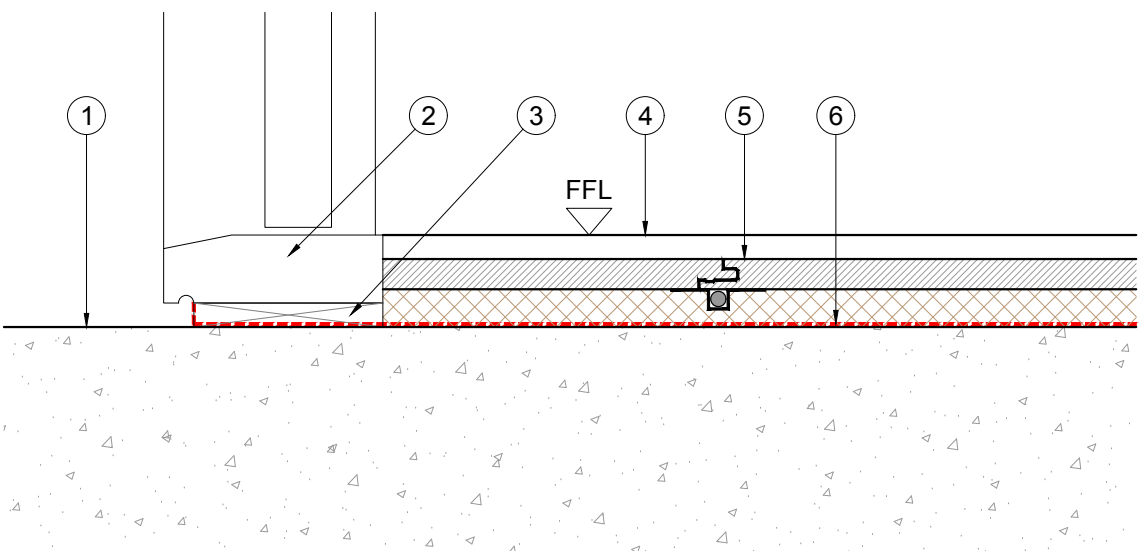
To achieve:

Fire resistance - N/A
Acoustics - N/A
U-value - 0.25W/m²K (min)

Construction build-up includes:

1. Finished floor
2. 20mm Collecta Screedboard 20 (thickness: 25mm)
3. Collecta Heathern Xfloor 250 (thickness: 25mm) routed insulation to take pipes and aluminium plates
4. Existing timber flooring to be removed and replaced with 22mm T&G P5 moisture resistant chipboard
5. Existing floor joist (joist depth unknown). **NOTE:** Floor joists to be inspected and treated as required. Any sign of decay / infestations discovered it should be identified and remedial action should be taken in accordance with BS 8417
6. Mineral wool insulation (if existing floor boards to be lifted)
7. VCL (Vapour control layer) dressed over joist to support insulation above (if existing floor boards to be lifted)

Floor Detail 03:

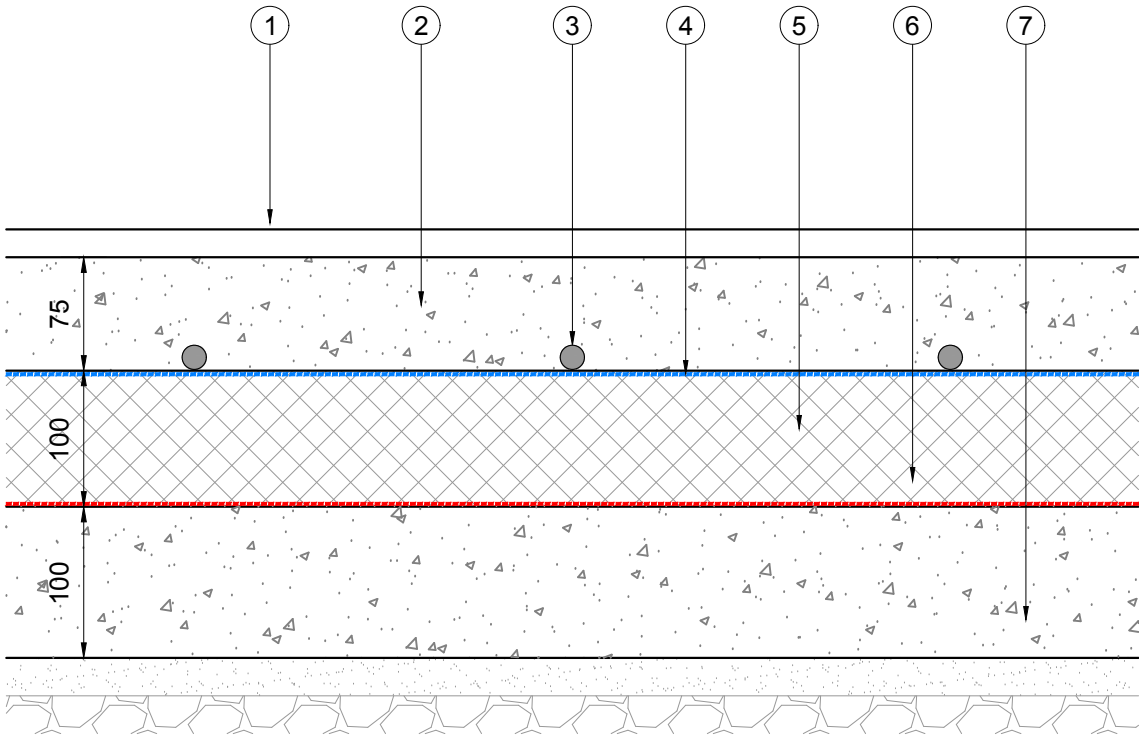


Proposed Door Threshold Ground floor. 1:5

Construction build-up includes:

1. Existing Ground floor
2. Hardwood Sill External Door Frame Liner Threshold
3. Timber packer under sill - thickness determine on site
4. Proposed floor finishes
5. 20mm Collecta Screedboard 20 (thickness: 25mm), Collecta Heathern Xfloor 250 (thickness: 25mm) routed insulation to take pipes and aluminium plates supplied by Thru-Floor
6. Liquid-Applied DPM or sheet membrane to contractor choice. **NOTE:** hygrometer testing needed to be carried out before any works commence

Floor Detail 02:



Proposed ground floor build up with UFH 1:5

To achieve:

Fire resistance - N/A
Acoustics - N/A
U-value - 0.18W/m²K (min)

Construction build-up includes:

1. Finished floor
2. 75mm cement screed
3. Underfloor heating
4. VCL (Vapour control layer)
5. 100mm PIR floor insulation
6. Basic radon membrane (DPM)
7. Concrete ground bearing slab

NOTE: When applying screeds should be read accordance with:

BS 8204-1 "Concrete bases and cement sand levelling screeds to receive floorings – Code of practice"

BS 8000-9 "Workmanship on Building Sites, Cementitious levelling screeds – Code of practice".

02	Apt 16 updated and reissued to planning	19.05.26	AA
01	Issue to Planning	19.02.24	AB

Revision	Description	Date	Issued
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EXPEDITE
DESIGN SERVICES LTD

Client's Name
Acorn Property Group

Job Title
**Caerleon Campus,
Newport, Wales**

Status
Planning

Suitability
P1

Scale
1:5 & 1:100 @ A1

Document Reference
22.47-EDS-ZZ-XX-DR-PL-(20)24

Drawing Title
**Proposed Residents Lounge
M&E & Floor make up details**

Drawing Number
(20)024

Revision
02

