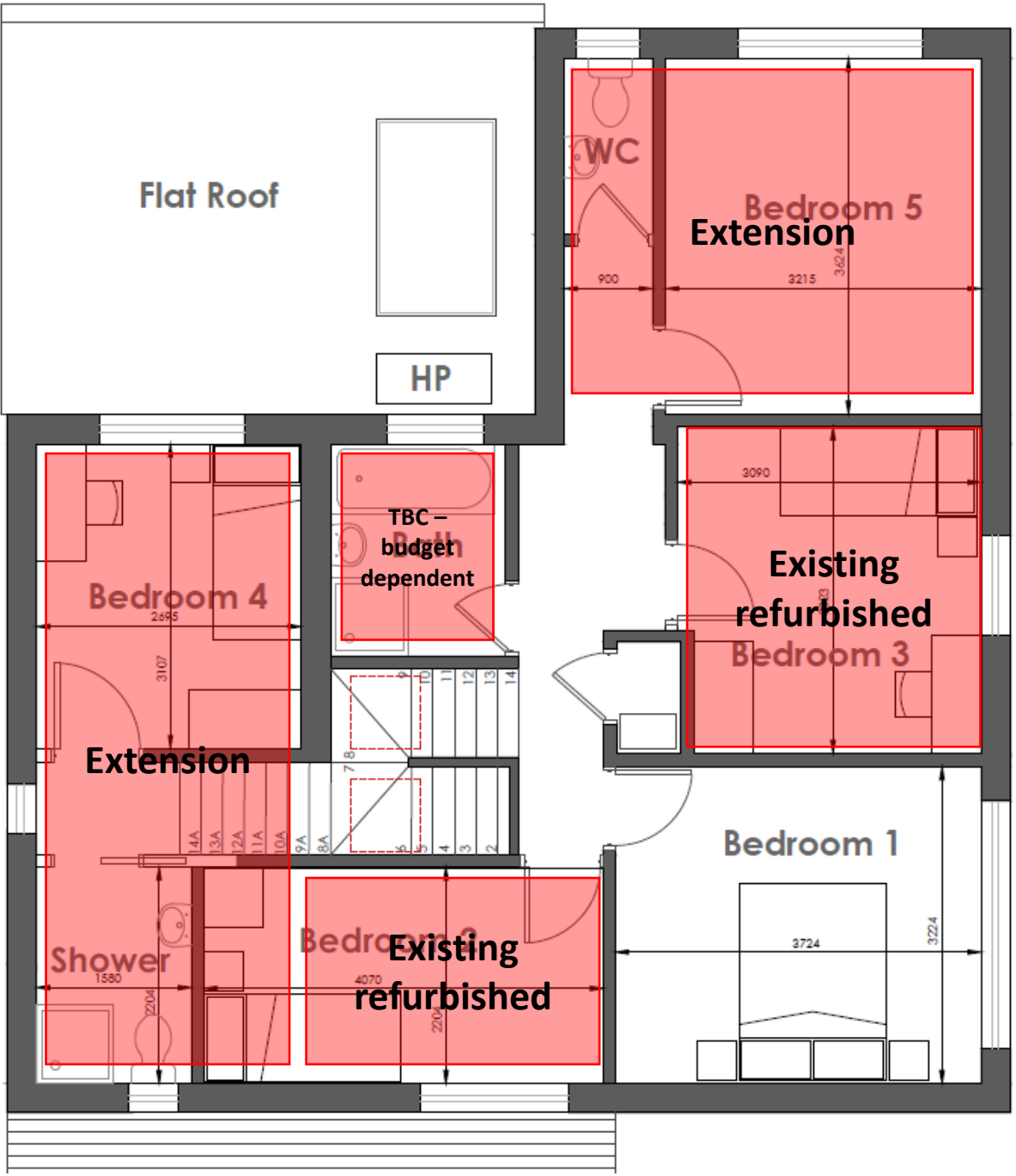
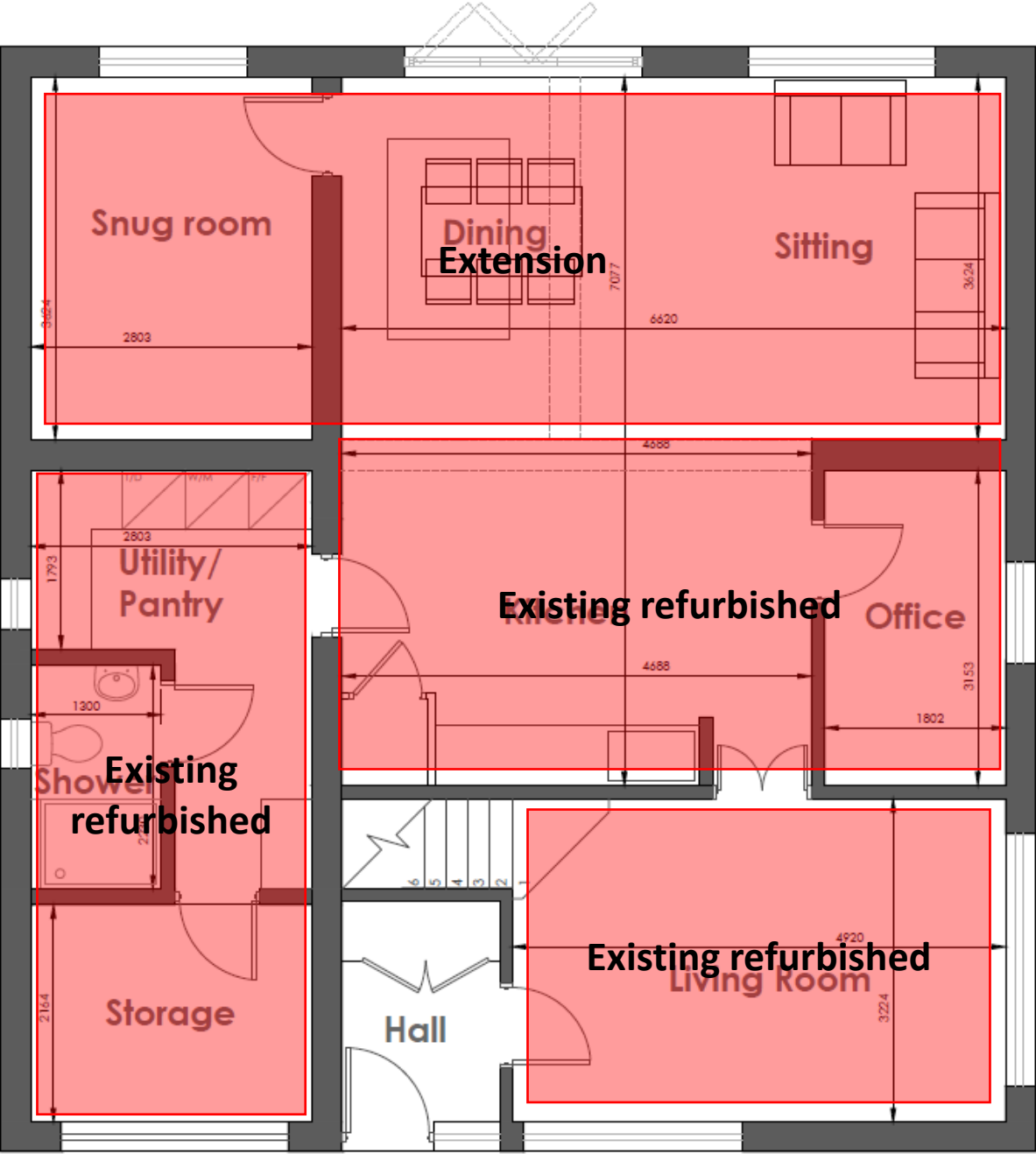


Build Areas – v1.0



# Plumbing and Heating (excl. UFH pipes) – v1.0

## General Notes

**Orange** - expected cylinder location with expected primary pipework runs.

**Red** - expected location of manifolds (definitely ground floor; first floor TBC if needed)

**Yellow** – outdoor tap (exact location TBC)

New hot and cold water supplies required to downstairs shower, kitchen, upstairs shower, upstairs WC; utility for appliances.

Existing bathroom may or may not be refurbished depending on budget.

## Heating Notes

Heat source is TBC but will likely be ASHP (probably non-MCS installation) – awaiting advice on sizing.

UFH throughout downstairs – optimised for low temp (35degC design flow tempt at -2degC external) and high thermal mass; pipes @100mm centres cast into slab; insulation under slab (assuming no insulation in existing slab). Pipes will be installed by builder as part of main build.

Upstairs TBC – awaiting advice but will either be warm air from LT fan coil or none due to tempered MVHR supply.

