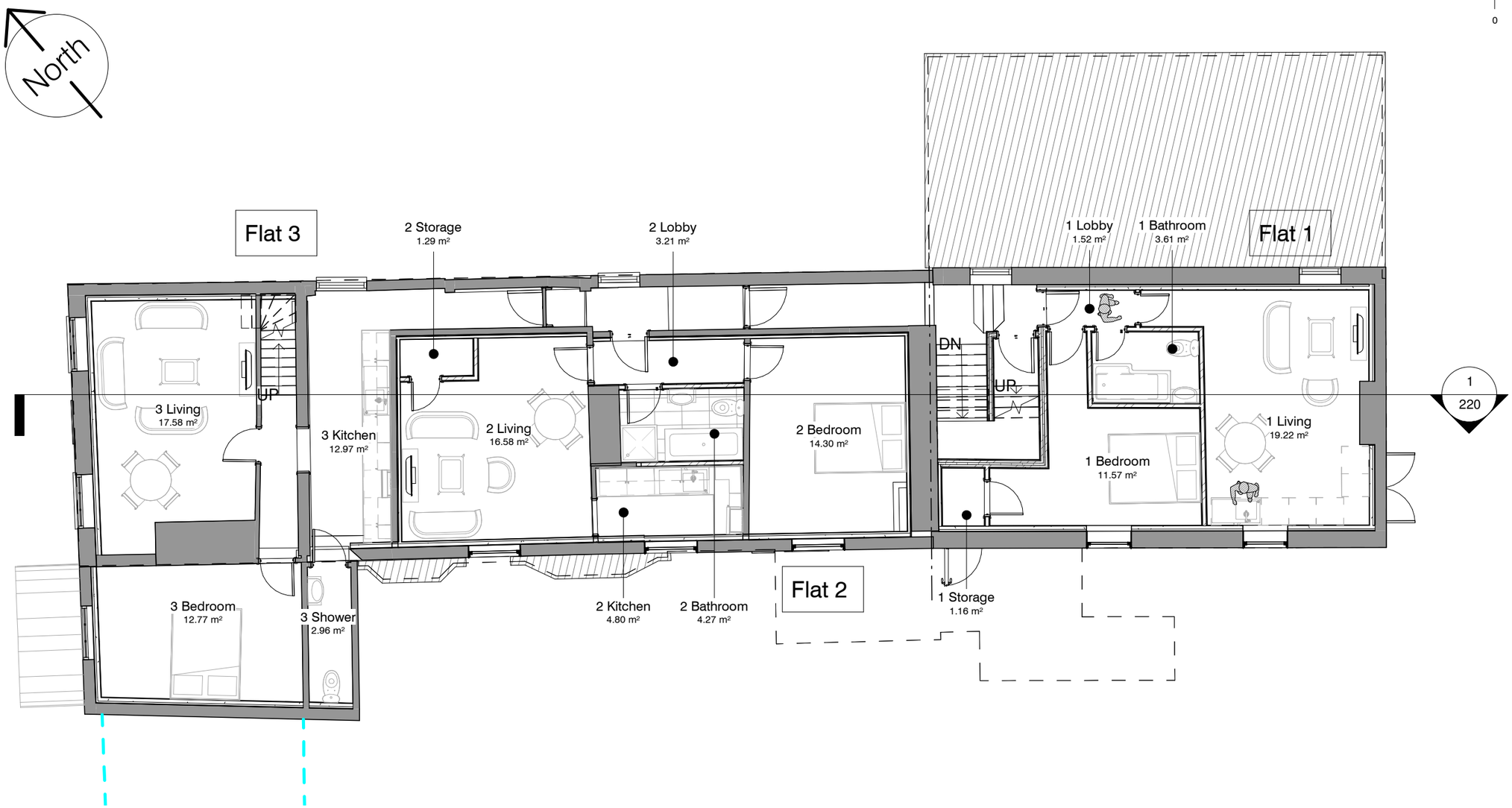


**Flat 1** - 39.6m2 - *1B 1P*
**Flat 2** - 47.1m2 - *1B 1P*
**Flat 3** - 86.3m2 - *2B 4P*
**Flat 4** - 75.8m2 - *2B 4P*
**Flat 5** - 86.6m2 - *2B 4P*

*approx - **335m2** internal residential area*

**Flat 1**
**Secondary Glazing added to all windows** - Selectaglaze Slimline 20 (VS)
*Thermal:*
Selectaglaze Slimline 20 (VS)
6.8mm low-E - (U-Value) **1.80 W/m2K**
*Acoustic:*
Assumed 3mm existing glass throughout. 6.8mm low-E - 100mm cavity 44 dB (Rw)

**Background ventilation** - Rytons 9×3 Acoustic AirLiner® Set with Hit & Miss Ventilator - Cast Iron Brick Grille.
Sound reduced by 38 dB with internal grille fully open and 39 dB when closed (Dn,e,w) (tested by BRE Acoustics).
6,300mm² (63cm²) equivalent area (tested to BS EN 13141-1:2004 and independently verified by the BRE).
Total Equivalent background Ventilator Area Required: **45000mm2 - Min 7no. 9x3vent.**

**Flat 2**
**Secondary Glazing added to all windows** - Selectaglaze Slimline 20 (VS)
*Thermal:*
Selectaglaze Slimline 20 (VS)
6.8mm low-E - (U-Value) **1.80 W/m2K**
*Acoustic:*
Assumed 3mm existing glass throughout. 6.8mm low-E - 100mm cavity 44 dB (Rw)

**Background ventilation** - Rytons 9×3 Acoustic AirLiner® Set with Hit & Miss Ventilator - Cast Iron Brick Grille.
Sound reduced by 38 dB with internal grille fully open and 39 dB when closed (Dn,e,w) (tested by BRE Acoustics).
6,300mm² (63cm²) equivalent area (tested to BS EN 13141-1:2004 and independently verified by the BRE).
Total Equivalent background Ventilator Area Required: **45000mm2 - Min 7no. 9x3vents.**

**Flat 3**
**Secondary Glazing added to all windows** - Selectaglaze Slimline 20 (VS)
*Thermal:*
Selectaglaze Slimline 20 (VS)
6.8mm low-E - (U-Value) **1.80 W/m2K**
*Acoustic:*
Assumed 3mm existing glass throughout. 6.8mm low-E - 100mm cavity 44 dB (Rw)

**Background ventilation** - Rytons 9×3 Acoustic AirLiner® Set with Hit & Miss Ventilator. To discharge through eaves void and roof tile vent.
Sound reduced by 38 dB with internal grille fully open and 39 dB when closed (Dn,e,w) (tested by BRE Acoustics).
6,300mm² (63cm²) equivalent area (tested to BS EN 13141-1:2004 and independently verified by the BRE).
Total Equivalent background Ventilator Area Required: **60000mm2 - Min 9no. 9x3vents.**

Background ventilators should be located in all rooms with external walls. Once the total requirement has been calculated, at least 5000mm² equivalent area is required in each habitable room and 2500mm² equivalent area is required in each wet room.
Background ventilators should be sited to avoid draughts. This can typically be achieved at a position of 1.7m above floor level.

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Name
Essential Water

Address:
Rose & Crown, 8 Whitehorse Street, Baldock, SG7 6QN

Title
First Glazing & vents

| Dwg no. | Rev: |
|---|---|
| EW-1705 -302 | A |

| Status | Scale | Date |
|---|---|---|
| Prelim | 1 : 100@A3 | 08/21/18 |

Revisions

| Rev | Description | Date |
|---|---|---|
| - | Environmental Health Comments | 16.08.18 |
| A | GLAZING DETAILS AMENDED | 10.09.18 |

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