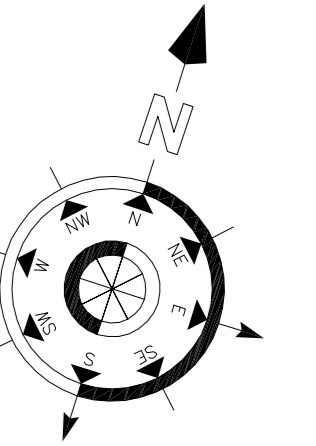


FIGURED DIMENSIONS TO BE USED IN PREFERENCE TO SCALE.  
 ALL DIMENSIONS MUST BE OBTAINED FROM OR CHECKED ON  
 SITE.  
 ENSURE THIS DRAWING IS THE LATEST REVISION.  
 ANY DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT  
 IMMEDIATELY.



For foundations refer to Structural Engineer's information

**External walls to comprise:**

- F10110 102.5mm outer leaf of facing brickwork
- or
- F10333C 100mm blockwork outer leaf to receive
- M20150 15mm through coloured render
- 50mm cavity
- P10333A Breather membrane
- G20115A 15mm sheathing plywood and
- 140x30mm timber frame comprising six studs at min. 600mm c/s
- (all by Timber Frame Specialist)
- P10110A 140mm insulation fitted between studs.
- 18mm cavity created with
- G20023A 30k fibres six battens at 600mm c/s
- Vapour control barrier
- K10401A 2 no. layers of 15mm plasterboard
- K10400 skim finish
- All to achieve U-value of 0.21W/m<sup>2</sup>K
- and 60 min Fire Resistance
- Overall thickness - 357mm

**Separating walls between flats to comprise:**

- G20115A timber frame comprising 2no. leaves of studwork,
- 80x30mm six studs at min. 600mm c/s with
- 3mm sheathing to both facing both sides of
- 54mm clear cavity
- (Preparation for and extent of sheathing board as
- determined by the timber frame specialist)
- (all by Timber Frame Specialist)
- P10210B 90mm acoustic insulation fitted between studs
- K10401A 2 no. layers of 15mm plasterboard to both sides
- K10400 skim finish
- All to achieve airborne sound insulation - 50dB
- and fire resistance 60min

**Load bearing partitions to comprise:**

- G20115A timber frame comprising studwork,
- 80x30mm six studs at min. 600mm
- (all by Timber Frame Specialist)
- K10401A 2 no. layers of 15mm plasterboard to both sides
- K10400 skim finish
- All to achieve airborne sound insulation - 40dB
- and fire resistance 60min

**Non - load bearing partitions to comprise:**

- G20115A timber frame comprising studwork,
- 80x30mm six studs at min. 600mm
- (all by Timber Frame Specialist)
- K10401A 1 no. layer of 15mm plasterboard to both sides
- K10400 skim finish
- All to achieve airborne sound insulation - 40dB

**Separating Floors between flats to comprise:**

- Flooding floor to comprise:
- 20mm M&G chipboard on
- 30mm acoustic insulation board - pre grooved to accommodate underfloor
- peeped heating system
- Main floor to comprise:
- 15mm thick OSB on
- 241mm I-joints at min. 600mm c/s
- with 100mm acoustic insulation laid between.
- 15mm metal resilient ceiling bars mounted at right angles to the underside
- of joists at 400mm c/s with
- 2 no. layers of 15mm plasterboard fixed to underside
- All to achieve impact sound insulation - 57dB
- and fire resistance 60min

**Ground Floors to Apartments:**

- Artificial grass on treated six battens over breathable roofing felt on
- timber joist rafters by Specialist
- 100mm quilt insulation between ceiling ties,
- 200mm quilt insulation over ceiling ties
- 15mm plasterboard ceiling lining
- Note: moisture resistant plasterboard to bathrooms
- All to achieve U-value of 0.18W/m<sup>2</sup>K

**Roof to comprise:**

- Artificial grass on treated six battens over breathable roofing felt on
- timber joist rafters by Specialist
- 100mm quilt insulation between ceiling ties,
- 200mm quilt insulation over ceiling ties
- 15mm plasterboard ceiling lining
- Note: moisture resistant plasterboard to bathrooms
- All to achieve U-value of 0.18W/m<sup>2</sup>K

**Common and escape stairs:**

- Treated timber stairs
- rise 162.7mm
- going 283mm

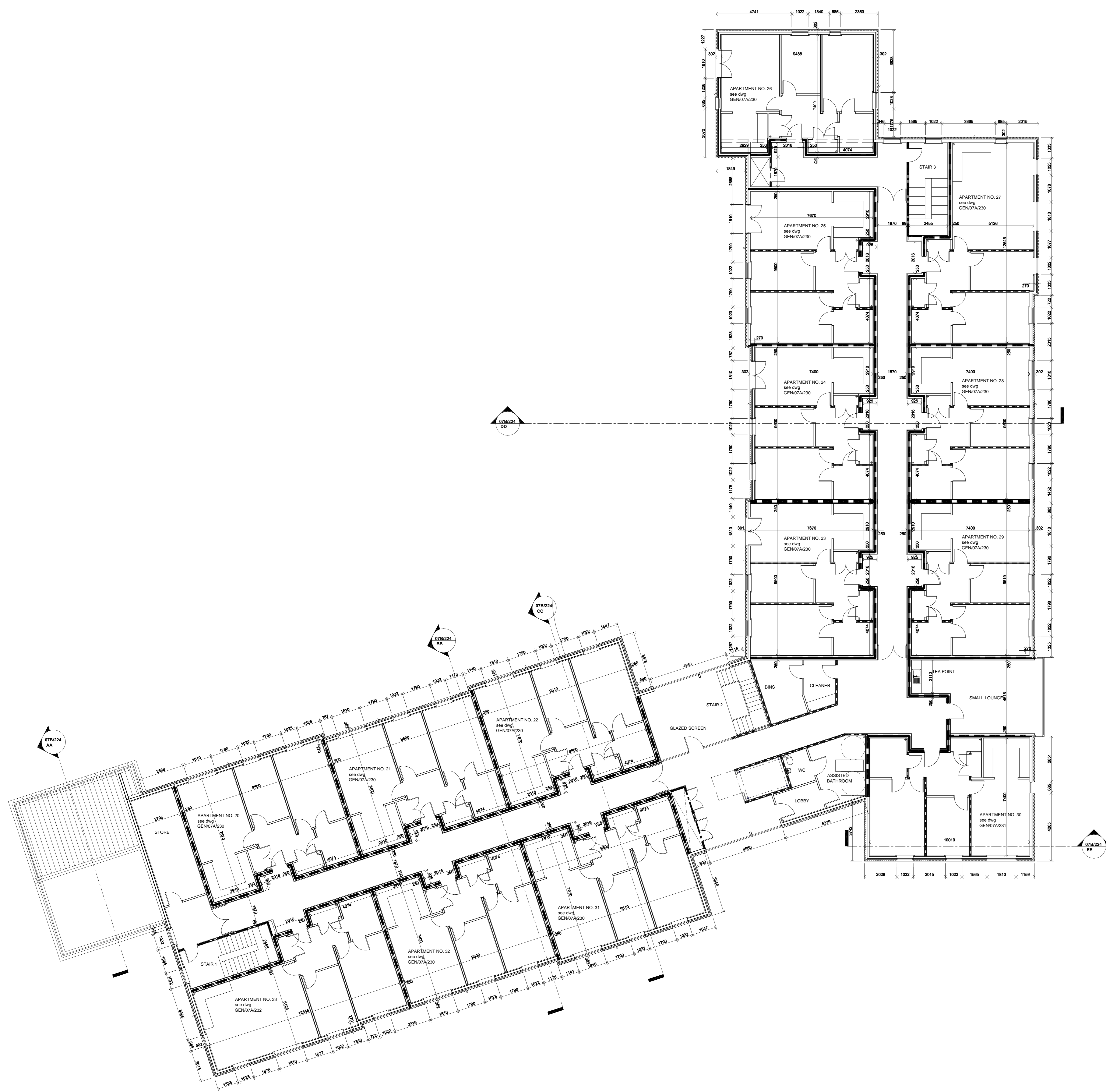
**Windows:**

- Windows to achieve U-value of 1.8W/m<sup>2</sup>K

**Doors:**

- Doors to achieve U-value of 2.0W/m<sup>2</sup>K

NOTE: ALL DIMENSIONS TO FACE OF TIMBER STUD, FACE OF  
 BRICKWORK OR FACE OF BLOCKWORK.



REV. P5	Section lines added, lift and stair 2 adjusted.
REV. P4	Non load bearing partitions added, coloured key added.
REV. P3	Windows added.
REV. P2	Revised for construction.
REV. P1	Notes repositioned.

EMPEROR HOUSE TEL: 0181 525 5000  
 2 EMPEROR WAY FAX: 0181 525 5882  
 DOVERFORD INTERNATIONAL  
 SUNDERLAND  
 SR1 3DR

PROJECT 42 No. EXTRA CARE APARTMENTS, RACECOURSE ESTATE, HOUGHTON-LE-SPRING	
SUBJECT STRUCTURE PLAN LEVEL 3	
PROJECT LEADER V MOSS	PROJECT NO. 5255000
DESIGNER Bill Fairley	APPROVED BY
DATE 13/11/2008	SCALE 1:100
PROJECT NO. GEN07B/213	REVISION P5