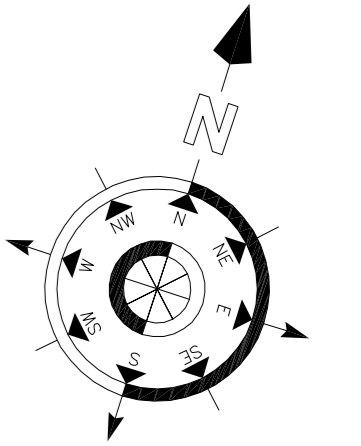


FIGURED DIMENSIONS TO BE USED IN PREFERENCE TO SCALE.  
 ALL DIMENSIONS MUST BE OBTAINED FROM OR CHECKED ON  
 SITE.  
 ENSURE THIS DRAWING IS THE LATEST REVISION.  
 ANY DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT  
 IMMEDIATELY.



For foundations refer to Structural Engineer's Information

**External walls to comprise:**

- F10110 102.5mm outer leaf of facing brickwork
- or
- F10353C 100mm blockwork outer leaf to receive
- M201760 15mm through coloured render
- 50mm cavity
- P10353A Breather membrane
- G20115A 19mm sheathing plywood and
- 140x20mm timber frame comprising 60 studs at min. 600mm c/c
- (all by Timber Frame Specialist)
- P10110A 140mm insulation fitted between studs.
- 15mm cavity created with
- G20270A 2 no. layers of 15mm plasterboard
- Vapour control barrier
- K10407A 2 no. layers of 15mm plasterboard
- K10407A 2 no. layers of 15mm plasterboard
- K10407A 2 no. layers of 15mm plasterboard
- All to achieve U-value of 0.21W/m<sup>2</sup>K
- and 60 min Fire Resistance
- Overall thickness - 301mm.

**Separating walls between flats to comprise:**

- G20115A timber frame comprising 2 no. layers of studwork,
- 89x38mm s/w studs at min. 600mm c/c with
- 8mm sheathing to both facing both sides of
- 54mm clear cavity
- (requirement for and extent of sheathing board as
- determined by the timber frame specialist)
- (all by Timber Frame Specialist)
- P10110A 140mm acoustic insulation fitted between studs
- K10407A 2 no. layers of 15mm plasterboard to both sides
- K10407A 2 no. layers of 15mm plasterboard to both sides
- All to achieve airborne sound insulation - 50dB
- and fire resistance 60min

**Load bearing partitions to comprise:**

- G20115A timber frame comprising studwork,
- 89x38mm s/w studs at min. 600mm
- (all by Timber Frame Specialist)
- K10407A 2 no. layers of 15mm plasterboard to both sides
- K10407A 2 no. layers of 15mm plasterboard to both sides
- All to achieve airborne sound insulation - 40dB
- and fire resistance 60min

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

- G20115A timber frame comprising studwork,
- 89x38mm s/w studs at min. 600mm
- (all by Timber Frame Specialist)
- K10407A 1 no. layer of 15mm plasterboard to both sides
- K10407A 1 no. layer of 15mm plasterboard to both sides
- All to achieve airborne sound insulation - 40dB

**Separating Floors between flats to comprise:**

- Fixing floor to comprise:
- 20mm 1kg chipboard on
- 30mm acoustic insulation board - pre grooved to accommodate underfloor
- pipe heating system
- Main floor to comprise:
- 15mm thick OSB on
- 24mm x joists at min. 600mm c/c
- with 100mm acoustic insulation laid between
- 15mm metal resilient ceiling bars mounted at right angles to the underside
- of joists at 400mm c/c 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:**

- 45 min. levelling screed separating membrane on
- 175mm rigid slab insulation on digm on
- 150mm thick block and beam flooring.
- Verandah under floor
- All to achieve U-value of 0.18W/m<sup>2</sup>K

**Roof to comprise:**

- Artificial slates on treated s/w battens over breathable roofing felt on
- timber truss rafters by Specialist.
- 100mm quilt insulation between ceiling s/w.
- 200mm quilt insulation over ceiling s/w.
- 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 166.7mm
- going 280mm

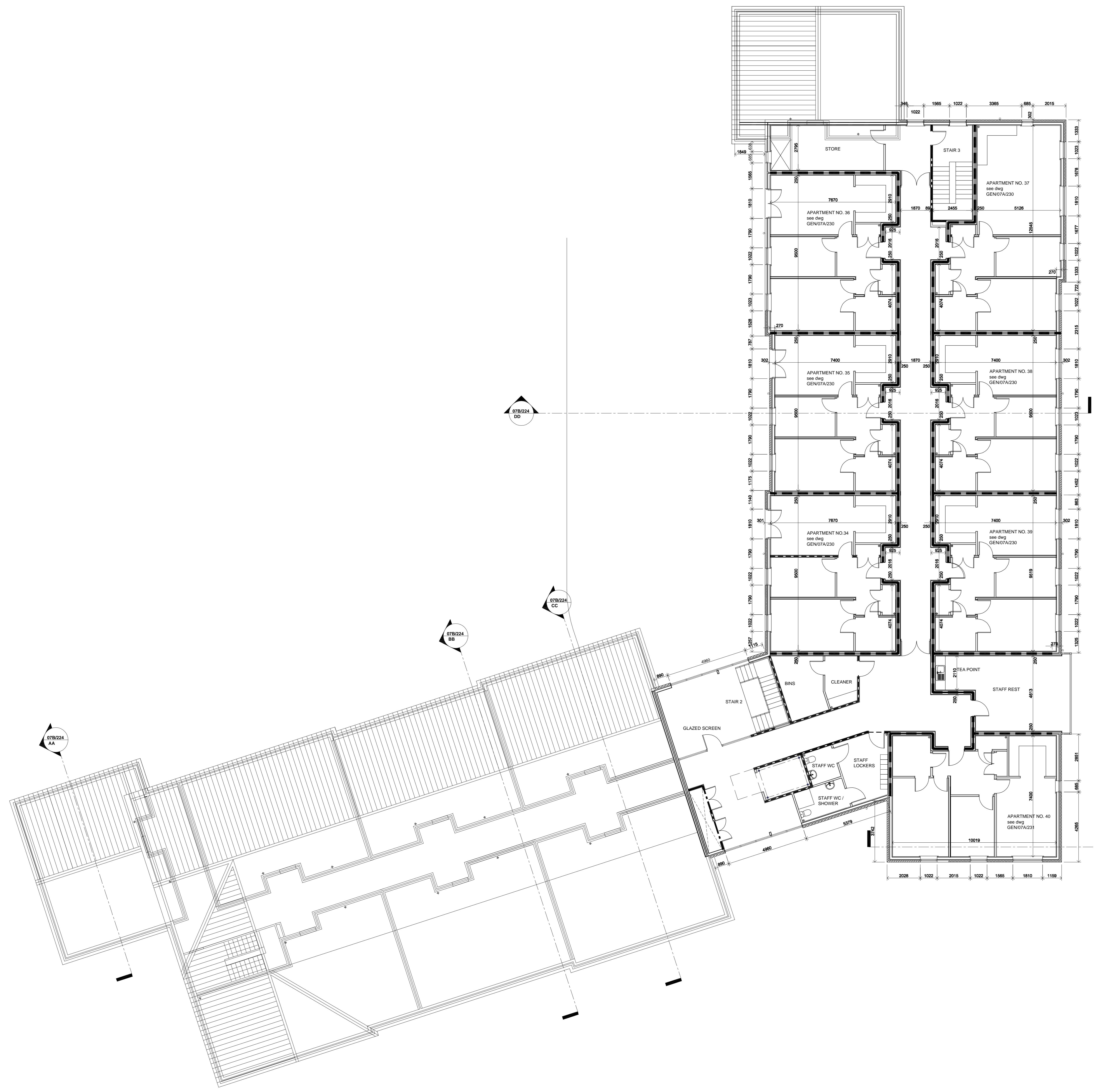
**Windows:**

- 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. Small lounge changed to staff rest. Store changed to staff wc, lockers & shower. (05/10/2009) VM
REV. P2	Redrawn for construction. (14/02/2009) VM
REV. P1	Notes repositioned. (17/12/2008) VM

EMPEROR HOUSE TEL: 0181 525 5000  
 42 Mo. EXTRA CARE APARTMENTS. RACECOURSE ESTATE, HOUGHTON-LE-SPRING  
 2 EMPEROR WAY FAX: 0181 525 5882  
 DOVERFORD INTERNATIONAL  
 SUNDERLAND  
 SR1 3UR

PROJECT	42 Mo. EXTRA CARE APARTMENTS. RACECOURSE ESTATE, HOUGHTON-LE-SPRING			
SUBJECT	STRUCTURE PLAN LEVEL 4			
PROJECT LEADER	V. MOSS	PROJECT NO.	5255000	
DESIGNER	Donna Straughan	DESIGNED BY		
Date	14/12/2008	Scale	1:100	
Drawn by		Sheet No.	A0	
Project No.	GEN07B/214		Revision	P5