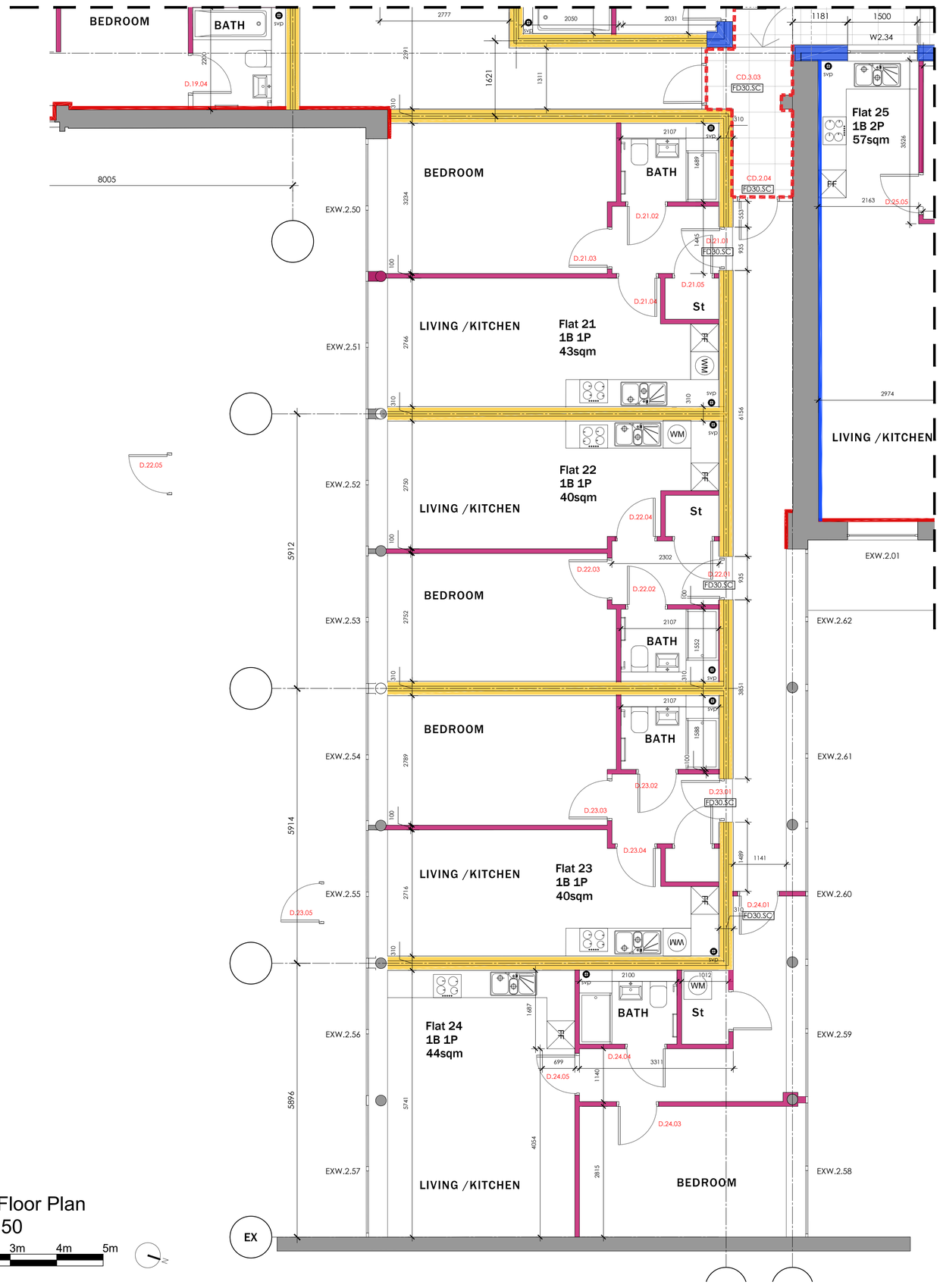

Proposed 2nd Floor Plan
Setting Out - 1:50

1:50 0m 1m 2m 3m 4m 5m

WALL TYPES

TYPE 1 (STANDARD THERMAL UPGRADE):
(Upgrade to include above and below existing windows) to comprise of existing masonry (assumed uninsulated cavity construction) made good faced with 72.5mm Kingspan K118, (60mm foil backed insulation bonded to the back of 12.5mm plasterboard) on plaster dabs with 2.5mm plaster skim to achieve a minimum 0.25W/m2K. thermal lining to be taken into jambs with 32.5mm K118 returns

TYPE 2 - (STANDARD ACOUSTIC UPGRADE):
Upgrade typically to one side of party wall as noted to comprise of existing masonry or structure faced with Cellecta FIBREfon HiGYP 28 fixed to 16mm resilient bars set at 600mm max centres. gaps between resilient bars to be filled with 15mm Cellecta FIBREfon MICROSLAB 15 absorbing material. NB: Thermal performance will be improved to achieve a minimum U value of 0.3W/m2K

TYPE 3 - (NEW METAL STUD PARTY WALL)
new party walls as noted to be cavity construction 310mm o/all, typically:
2No 75mm metal studs spaced 100mm apart
100mm gap between studs to contain 100mm thick unfaced mineral wool batts with min. density 40-60kg/m3
provide 9mm sheathing board or security mesh to one side of cavity inner face.
Overall construction to be faced with 2no. staggered layers of 15mm Soundbloc plasterboard & 3mm skim finish.
plasterboard to be taped, caulked and sealed at all perimeters and penetrations with sealant.
Construction with sealing at exposed edges & lining through with abutting insulation in adjacent layers achieves a U value of 0.0w/m2k in line with table 3 of document part L1A
Note: construction to achieve a minimum 60 minutes fire compartmentation.

TYPE 4 (MASONRY PARTY WALL):
315mm party wall blockwork cavity construction to comprise:
100mm dense blockwork (must be 1850 to 2300 kg/m3)
100mm cavity fully filled with Rockwool cavity insulation 100mm dense blockwork (1850 to 2300 kg/m3)
100mm dense blockwork (1850 to 2300 kg/m3)
Habitable sides to be faced with 12.5mm plasterboard and with 3mm skim.
All to achieve a minimum 'U' value of 0.27 W/m²K.
NOTE: Construction to achieve a minimum of 60 minutes fire compartmentation. Full fill insulation forms a min 60 minute fire barrier and must therefore be installed correctly, particularly at junctions with external walls and other party walls.
Construction with sealing at exposed edges & lining through with abutting insulation in adjacent layers achieves a U value of 0.0w/m2K in line with table 3 of document part L1A

TYPE 5 (60MIN FR BLOCKWORK INFILL/ TWIN SKIN):
medium dense blockwork Infills to match depth of existing adjacent blockwork walling, new blockwork walling to be typically 215mm twin skin to engineer's details (or deeper to match adjacent wall thickness as shown).
all mortar joints to be fully filled to ensure wall is continuous without gaps to maintain any compartmentation.
Habitable sides to be faced with 12.5mm plasterboard and with 3mm skim.
NOTE: Construction to achieve a minimum of 60 minutes fire compartmentation.

TYPE 6 (MASONRY SINGLE SKIN PARTITION):
170mm internal wall blockwork single skin construction to comprise:
1No leaf of 140mm blockwork to structural engineer's details
Both sides to be faced with 12.5mm plasterboard and with 3mm skim.
NOTE: Construction to achieve a minimum of 60 minutes fire compartmentation.

TYPE 7 (INSULATED METAL STUD PARTITION):
100mm internal partition wall metal stud construction to comprise:
Min 70mm metal C studs at max 600 centres with top and bottom channels and intermediate rails.
Stud to contain 75mm thick mineral wool insulation quilt sound insulation (min 10-45kg/m3) fully filled between studs).
Both sides to be faced with 12.5mm plasterboard and with 3mm skim.

TYPE 8 (THERMAL UPGRADE BEHIND GLAZING)
Thermal upgrade behind glazing to comprise of existing glazing fitted with reflective film applied to the inner pane with insulated timber frame, behind existing window frames.
Frame to comprise of vapour control layer on 9mm OSB sheathing on studwork approx 38x120mm sw studs (to line through with adjacent external wall)
at max 600 centres, with 100mm thick mineral wool insulation quilt (min 10-45kg/m3) between studs. Faced with 2No layers of 12.5mm plasterboard with staggered joints skimmed with 2.5mm plaster to achieve a minimum 0.27w/m2K. Refer to specific details.

TYPE 9 (NEW EXTERNAL WALL CLADDING)
External wall cladding of varying thickness (depending on exterior finish):
cladding panel as per....
25mm Rocslab insulation between 25mm Rocbar, fixed back & through
115mm RocSlab insulation, Breather membrane on 10mm fibre cement board sheathing
75mm Rockwool RWA45 between studs
140mm metsec stud walling, lined internally with VCL polythene
2no layers of wallboard with staggered joints & 3mm skim finish

Finished externally with Brick slip system; bricks to match existing

Finished externally with white Render on cement board backing

Finished externally with imitation concrete cladding panels between window units & dark grey metal cladding panel above + below window units

Notes:

do not scale:
detailed drawings and larger scale drawings take precedence. Figured dimensions only are to be taken from this drawing.

dimensions:
All building and site dimensions, levels and sewer invert levels at connection points are to be checked and verified on site by the contractor before the commencement of works. All dimensions are to be checked prior to the placement of orders for materials or the fabrication of work and any discrepancy, omission or error is to be reported to the Architect immediately for verification.

specification:
The Contractor is to comply with current Building Legislation, British Standard Specifications, Building Regulations etc. whether or not specifically stated on this drawing. This drawing must be checked against and read in conjunction with any structural or other relevant specialist and design documentation provided.

Provide suitable working platform+/or fall protection measures (relevant to the technique used for installation - e.g. if installed from

Risk assessment for manual handling to be carried out based on the total weight of materials used and if necessary the use of mechanical means for movement + placing on site, where appropriate.

revisions:
REV A - JULY '25
Separating walls increased in width to 310 / render finish added to rear elevation in lieu of brick slips / New windows & flat entrance door widths updated

PRELIMINARY

client:
Hillcrest Consultants
-

project:
Queensway Redevelopment
Stevenage
-
-

description:
Proposed 2nd Floor Plan
Setting Out & Wall Types
-

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date:	sheet	of:
MAY '25	2	6

job drwg. no: jw1229-331

rev: A