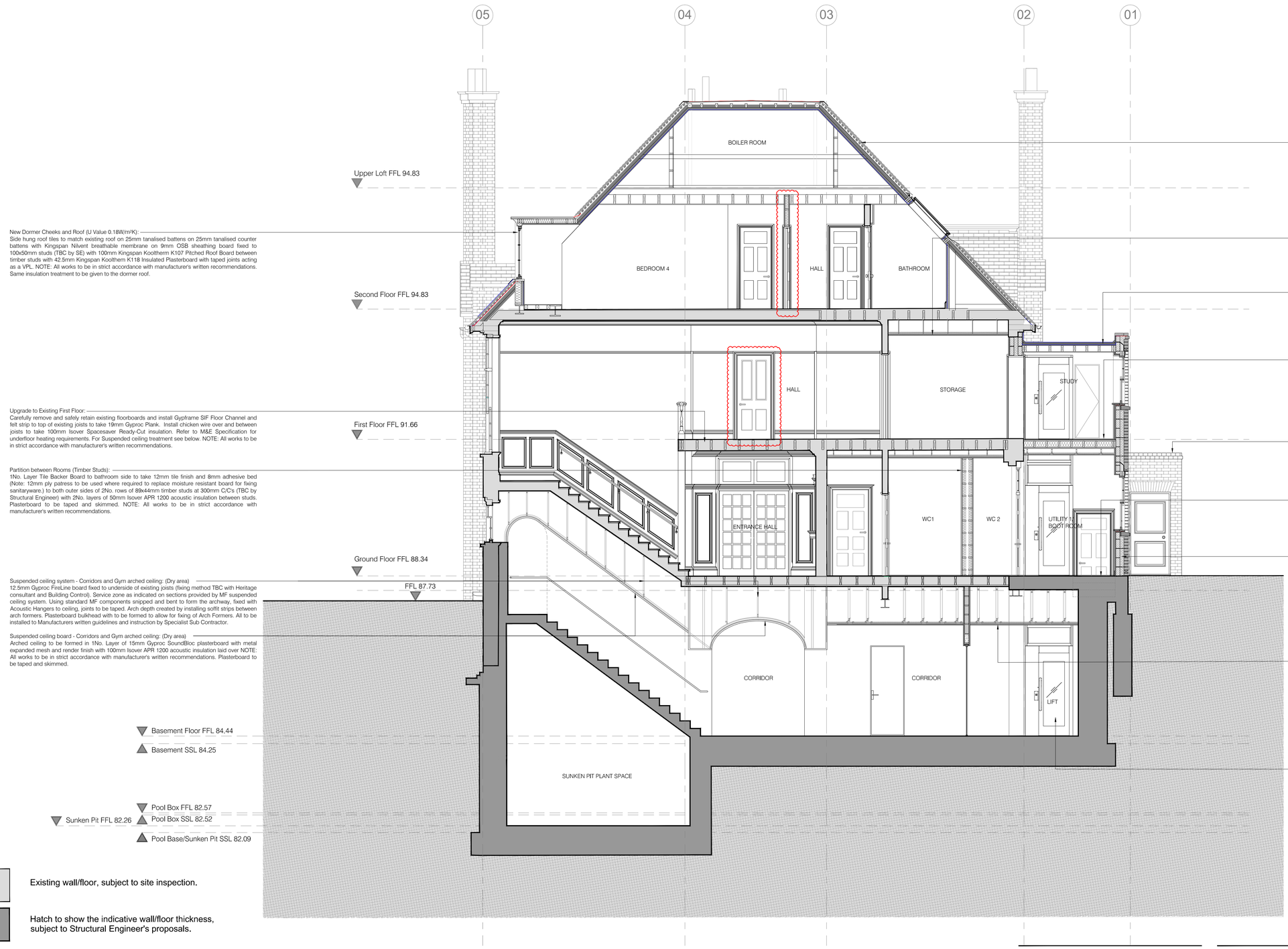

New Dormer Cheeks and Roof (U Value 0.18W/m²K):
Side hung roof tiles to match existing roof on 25mm tanalised battens on 25mm tanalised counter battens with Kingspan Nilvet breathable membrane on 9mm OSB sheathing board fixed to 100x50mm studs (TBC by SE) with 100mm Kingspan Kooltherm K107 Pitched Roof Board between timber studs with 42.5mm Kingspan Kooltherm K118 Insulated Plasterboard with taped joints acting as a VPL. NOTE: All works to be in strict accordance with manufacturer's written recommendations. Same insulation treatment to be given to the dormer roof.

Upgrade to Existing First Floor:
Carefully remove and safely retain existing floorboards and install Gypframe SIF Floor Channel and felt strip to top of existing joists to take 19mm Gyproc Plank. Install chicken wire over and between joists to take 100mm Isover Spacesaver Ready-Cut insulation. Refer to M&E Specification for underfloor heating requirements. For Suspended ceiling treatment see below. NOTE: All works to be in strict accordance with manufacturer's written recommendations.

Partition between Rooms (Timber Studs):
1No. Layer Tile Backer Board to bathroom side to take 12mm tile finish and 8mm adhesive bed (Note: 12mm ply patress to be used where required to replace moisture resistant board for fixing sanitaryware.) to both outer sides of 2No. rows of 89x44mm timber studs at 300mm C/C's (TBC by Structural Engineer) with 2No. layers of 50mm Isover APR 1200 acoustic insulation between studs. Plasterboard to be taped and skimmed. NOTE: All works to be in strict accordance with manufacturer's written recommendations.

Suspended ceiling system - Corridors and Gym arched ceiling: (Dry area)
12.5mm Gyproc FireLine board fixed to underside of existing joists (fixing method TBC with Heritage consultant and Building Control). Service zone as indicated on sections provided by MF suspended ceiling system. Using standard MF components snipped and bent to form the archway, fixed with Acoustic Hangers to ceiling, joints to be taped. Arch depth created by installing soffit strips between arch formers. Plasterboard bullehead with to be formed to allow for fixing of Arch Formers. All to be installed to Manufacturers written guidelines and instruction by Specialist Sub Contractor.

Suspended ceiling board - Corridors and Gym arched ceiling: (Dry area)
Arched ceiling to be formed in 1No. Layer of 15mm Gyproc SoundBloc plasterboard with metal expanded mesh and render finish with 100mm Isover APR 1200 acoustic insulation laid over NOTE: All works to be in strict accordance with manufacturer's written recommendations. Plasterboard to be taped and skimmed.

Existing wall/floor, subject to site inspection.

Hatch to show the indicative wall/floor thickness, subject to Structural Engineer's proposals.

Upgrading to existing Pitched and Flat Roof (U Value 0.18W/m²K):
All roof timbers to be inspected for suitability by Structural Engineers. Existing roof felt to be inspected for suitability and if required to be replaced then existing tiles to be carefully removed and stored securely for reinstallation at a later date. Remove old battens and install a new BBA approved draped breather membrane over 70mm Celotex GA3070 rigid insulation between rafters (or similar or equal approved) with 50mm Celotex GA3050 rigid insulation below rafters (or similar or equal approved) with taped joints acting as a VPL. Depth of existing rafters TBC on site. Conditions of rafters and roof boards to be inspected for suitability by Structural Engineers. Any damaged or unstable timbers to be strengthened or replaced to Structural Engineers proposals. Install new 50mm tanalised battens and re-install original roof tiles. NOTE: All works to be in strict accordance with manufacturer's written recommendations. Same roof timbers and insulation treatment to be given to the flat roof portion of the existing main roof.

Suspended ceiling:
Existing Lathe and Plaster ceiling to be kept in-situ. Service zone to suit M&E requirements provided by CasoLine MF ceiling system on acoustic hangers with 25mm Isover APR 1200 acoustic insulation laid over 1No. Layer 15mm Gyproc SoundBloc Plasterboard (to kitchen/side extension) or 1No. Layer 15mm Gyproc Moisture Resistant Plasterboard. NOTE: All works to be in strict accordance with manufacturer's written recommendations. Plasterboard to be taped and skimmed.

Side Extension Flat Roof 0.7° fall (U-value = 0.18W/m²K):
Prodek EPDM Rubber Roof covering (with 25 year guarantee) lapped minimum 150mm into Parapets/upstands on 25mm Kingspan Thermaroof TR27 LPC/FM on Kingspan Optim-R Roofing System with Protection Layer on Vapour Control Layer on 18mm WBP Plywood with staggered joints screwed and glued to 150x100mm timber joists @ 300mm C/C's as per Structural Engineer's specification with 1No. Layer 15mm Gyproc Wallboard Plasterboard to Dressing Room or 1No. Layer 15mm Gyproc Moisture Resistant Plasterboard to Master Bathroom. Plasterboard to be taped and skimmed. NOTE: All works to be in strict accordance with manufacturer's written recommendations.

Side Extension - First Floor:
Allow for 20mm Floor Finish zone on 17mm DECKfon MDF 17T composite acoustic overlay board on 22m T&G Chipboard Flooring screw fixed to 150x50mm Timber Joists at 300mm C/C's (TBC by Structural Engineer) with 100mm Isover APR 1200 acoustic insulation between and 1No. Layer of Gyproc Fireline Plasterboard and 1No. Layer of Gyproc SoundBloc Plasterboard. Joints to be staggered. Refer to M&E Specification for underfloor heating requirements. Service zone to suit M&E requirements provided by CasoLine MF ceiling system on acoustic hangers with 25mm Isover APR 1200 acoustic insulation laid over 1No. Layer 15mm Gyproc SoundBloc Plasterboard (to kitchen/side extension) or 1No. Layer 15mm Gyproc Moisture Resistant Plasterboard. NOTE: All works to be in strict accordance with manufacturer's written recommendations. Plasterboard to be taped and skimmed.

Garage Extension Flat Roof 0.7° fall (U-value = 0.18W/m²K):
Prodek EPDM Rubber Roof covering (with 25 year guarantee) lapped minimum 150mm into Parapets/upstands on 120mm Celotex Crown-Bond on Vapour Control Layer on 18mm WBP Plywood with staggered joints screwed and glued to 150x100mm timber joists @ 300mm C/C's as per Structural Engineer's specification with 1No. Layer 15mm Gyproc Wallboard Plasterboard. Plasterboard to be taped and skimmed. NOTE: All works to be in strict accordance with manufacturer's written recommendations.

Ground Floor to Extensions (U Value 0.22W/m²K):
Finished floor build up varies, refer to 5000 Series details for information. 65mm SR1 Screed on Vapour Control Layer on 80mm Celotex GA3080 insulation (or similar or equal approved) on Visqueen High Performance DPM (or similar or equal approved) on 150mm thick Reinforced Concrete slab to Structural Engineers details and specification. Refer to M&E Specification for underfloor heating requirements. NOTE: All works to be in strict accordance with manufacturer's written recommendations.

External Wall (U Value 0.25W/m²K):
1No. Layer 12.5mm Gyproc Wallboard Plasterboard on 10mm dabs, Plasterboard to be taped and skimmed; 100mm Blockwork (Blockwork Thermal Conductivity of 0.15W/mK), min. 100mm Cavity with 100mm Earthwool DriTherm Cavity Slab 32 Ultimate (thermal conductivity of 0.032 W/mK), 102.5mm facing brickwork 'Old Victorian Pressed Medium Dark' by Furness to match existing. Block and Brick to be tied with Ancon Wall ties (or similar or equal approved) at maximum 750mm spacing horizontally and 450mm spacing vertically to Structural Engineer's design and specification. DPC required min. 150mm above external ground level. NOTE: All works to be in strict accordance with manufacturer's written recommendations.

Suspended ceiling - Basement Corridor lift lobby:
12.5mm Gyproc FireLine board fixed to underside of existing joists (fixing method TBC with Heritage consultant and Building Control) Service zone as indicated on sections provided by CasoLine MF ceiling system on acoustic hangers with 100mm Isover APR 1200 acoustic insulation laid over 1No. Layer 19mm Gyproc Plank Plasterboard and 1No. Layer 15mm Gyproc SoundBloc Plasterboard. NOTE: All works to be in strict accordance with manufacturer's written recommendations. Plasterboard to be taped and skimmed.

Platform lift:
Platform lift Cibes A4000 Home Lift by Cibes Lift UK Ltd requires floor area 1200x993mm², pit depth 50mm, and minimum headroom 2050mm above top floor served. Lift platform size: 800mm x 830mm (W x D) with 3 stops. Lift door type A20, 2000mm x 700mm fully glazed to basement and ground floor; 1800mm x 700mm fully glazed to first floor. Lift finishes TBC with Client. 12 months warranty from date of handover including 1st year service agreement with 2 routine visits.

SCALE - 1:50 0 0.5 1 1.5 2.5 m

Rev:	Comments:	By:	Date:
C	Minor Material Amendments	RM	13-03-2019
D	Revision to suit Camden comments	RM	10-07-2019
E	Minor Material Amendments	MSIL	27-03-2020
F	Minor Material Amendments	RM	08-09-2020

PLANNING

Client:
-

Project Title:
24 Heath Drive. London. NW3 7SB

Drawing Title:
Proposed
Section BB

Scale:	Date:	Drawn:	Checked:
1:50@A1	JAN 18	ST	HV

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Project No.:	Drawing No.:	Revision:
508-16	4001	F