

**See interior designer drawings for electrical power and lighting details**

**Mechanical & Electrical Key**  
 NOTE: INDICATIVE LAYOUT - EXACT POSITIONS OF ALL SWITCHES, SOCKETS AND LIGHTS TO BE CO-ORDINATED ON SITE WITH CLIENT - CLIENT TO SUPPLY ALL LIGHT FITTINGS AND MC ELECTRICAL TO INSTALL

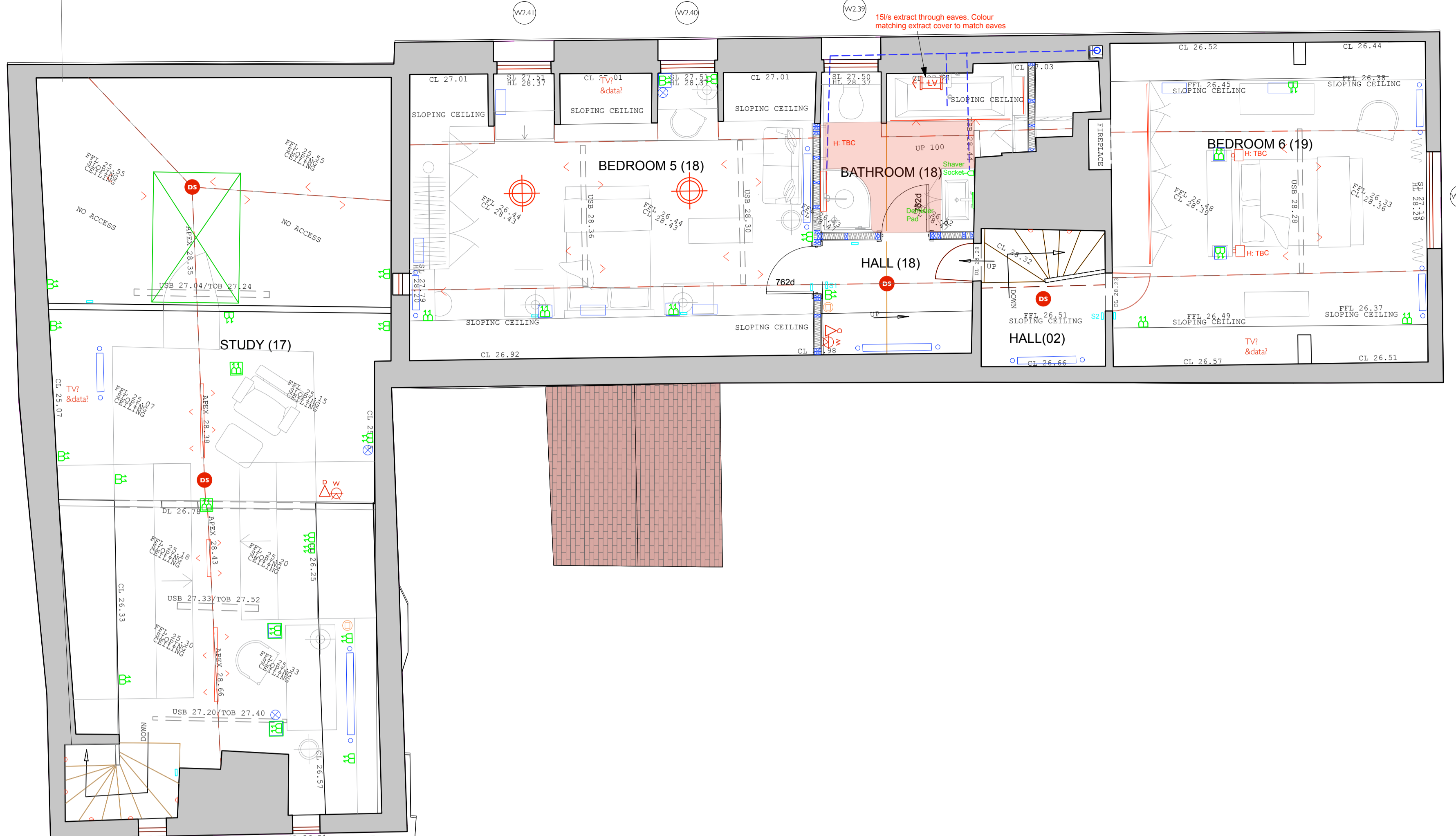
**Mechanical & Electrical Key & Building Regulation notes**

- Two or three - way switch. All room switches to be dimmer.
- Switch. All room switches to be dimmer.
- Double Socket High Level 1100 finished floor
- Double Socket low Level 450 finished floor
- Pop up sockets
- Sockets with USB ports
- floor sockets in recessed floor box to receive floor finish
- Shaver Socket
- Low energy pendant fitting - min ip44 for external use - client to confirm fitting type
- low energy LED recessed downlighter - min ip44 for external use - client to confirm fitting type
- Wall lights in dry areas - up and down wall light (2 way) - client to confirm fitting type
- External bat friendly light - electrician / client to confirm fitting type - refer to ecology report / adjacent notes - min ip44 for external use
- low energy LED recessed downlighter - min ip65 jetproof fitting min ip65 for wet use - client to confirm fitting type
- Directional wall spot light
- Wall Lights in wet Zone 1 areas- IP65 jetproof fitting- min ip65 for wet use - client to confirm fitting type
- Low level Recessed wall light ip44
- Mini recessed Walk over decking spot light - min ip65
- Walk over uplighter - min ip65 for external lights
- PIR activated and switched (on/off/PIR)
- Mains operated inter-linked combined carbon monoxide and smoke detector / alarm
- Mains operated inter-linked heat detector / alarm
- Mains operated inter-linked combined carbon monoxide and smoke detector / alarm
- Mains operated inter-linked Carbon Monoxide detector to rooms with a woodburner/ solid fuel appliance
- Mains operated inter-linked combined heat and smoke detector / alarm
- Extract fan positions.  
R = roof outlet, LV = Low voltage where in zone 1  
Fans to be switch actuated. WC to be light switch actuated with 15min over run.
- TV Aerial, sky plus, virginmedia or freeview, client to confirm requirement.
- Data Outlet - Cat 6/Ethernet network cable back to new patch panel plant room
- Part R: High Speed Electronic Communications access point and network termination point to comply with Part R Brags requirements.
- Wireless Hub point
- Digital display room stat for underfloor
- New Radiator with Thermostatic valve. Rad to be sized by heating engineer
- Flat electric chrome wall mounted electric towel warmer on heating system with summer switch: Horstmann elektrisaver 15,30, 60 switch
- Consumer unit board: switches to be between 1350mm and 1450mm above floor level to comply with part m Electric meter in BS8567 compliant electricity recessed meter box.
- Insulated External tap with gully

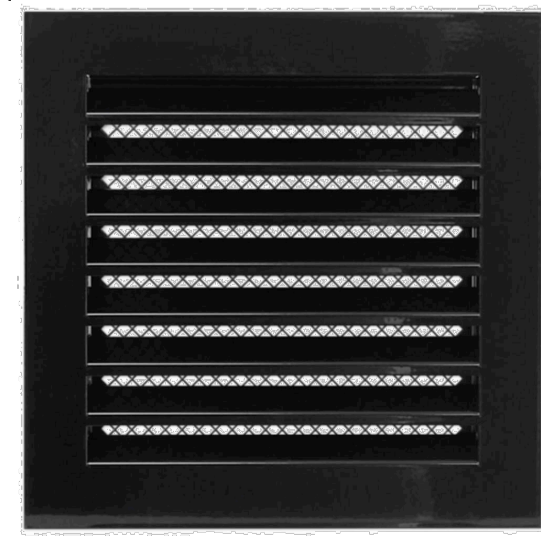
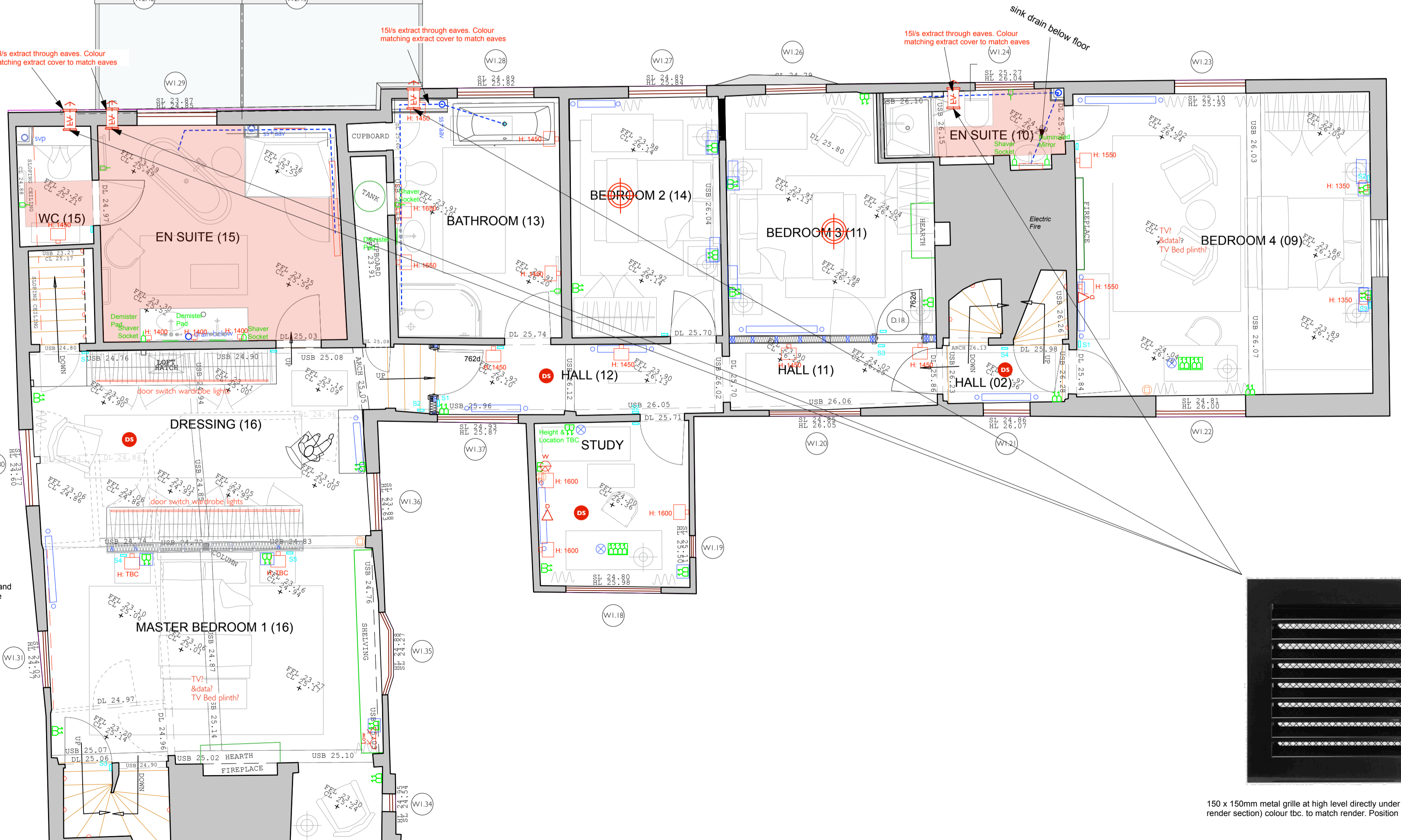
All sockets, switch plates and wiring devices to be British General - Nexus chrome Supply and fix by contractor

REFER TO DRAWING WD21 FOR MAIN INDICATIVE SERVICES NOTES

Proposed second floor plan



Proposed first floor plan



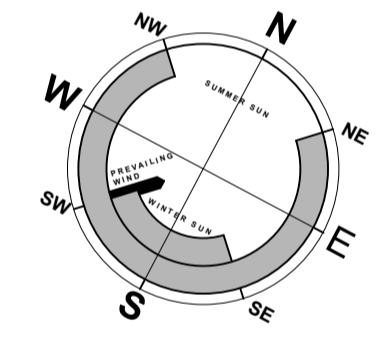
150 x 150mm metal grille at high level directly under eaves for extract fans (in render section) colour tbc. to match render. Position to minimise visual impact.

- General Notes**
- This drawing is to be read in conjunction with other engineers, designers, subcontractors and specialists drawings and any associated specifications and details. Any discrepancies are to be reported to the CA/client or relevant project manager before proceeding with the works.
  - All workmanship and materials are to be carried out in accordance with current British Standards, Codes of Practice and good building practice.
  - All work to be to the satisfaction of the Building Control checking authority.
  - Do not scale this drawing. All dimensions to be as noted. Contractor to check all dimensions on site before carry out works.
  - Where existing elements are exposed or investigated during the building works and are found to be not as assumed then contractor to confirm and notify CA/design team/client as applicable before proceeding with works.
  - The contractor is responsible for site health & safety including taking all necessary precautions to ensure stability of both existing and proposed structures at all times during construction. Contractor to contact structural engineer immediately where any doubts arise on site.
  - All services/utilities are to be located and protected as necessary by the contractor prior to the commencement of the works.
  - This drawing is for the private and confidential use of the client for whom it was undertaken and it should not be reproduced in whole or in part or relied upon by third parties for any use without the express written authority of Beech Architects Limited.

**RESIDUAL RISK TO HEALTH & SAFETY**

Whilst we have made every attempt to design out risk associated with our design some risks may remain. Significant residual risks relating to our design are detailed below with our assessment of how these may be managed. The contractor remains responsible for identifying and managing risk associated with construction processes and site safety and these risks should be identified within the contractor's Construction Health & Safety Plan all operations carried out in accordance with HSE requirements, Current Code of Practice and compliance with CDM 2015 regulations.

- Numbered triangles further highlight specific locations where residual risks remain:
- Access equipment for clearing and maintenance will be required and works undertaken by qualified and competent person.
  - The risks associated with working at height should be reduced by using appropriate scaffold, platforms, mobile elevating equipment, safety nets or fall arrest systems as deemed appropriate by the contractors review and assessment of the construction methodology & process.
  - The locations of all existing services and utilities must be confirmed prior to commencement of the works.
  - The engineer must be contacted immediately where unsure or concern raised regarding the stability of any structure.



D	Design updates - Electrics and notes	2.01.24
C	Design updates - Plan amends, interiors updated, uncovered windows added, amended utility	2.01.24
B	Design updates - Part F note updated	10.08.23
A	Design updates	26.05.23
Rev		

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**DRAWING**  
 Proposed indicative first and second floor services plans

SCALE	DATE	DRAWN BY	CHECKED
1:50 @ A1	Jan 2023	CB/JDS	
DRAWING NUMBER	JOB NUMBER	STATUS	REV
WD22	466	CONSTRUCTION	D

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