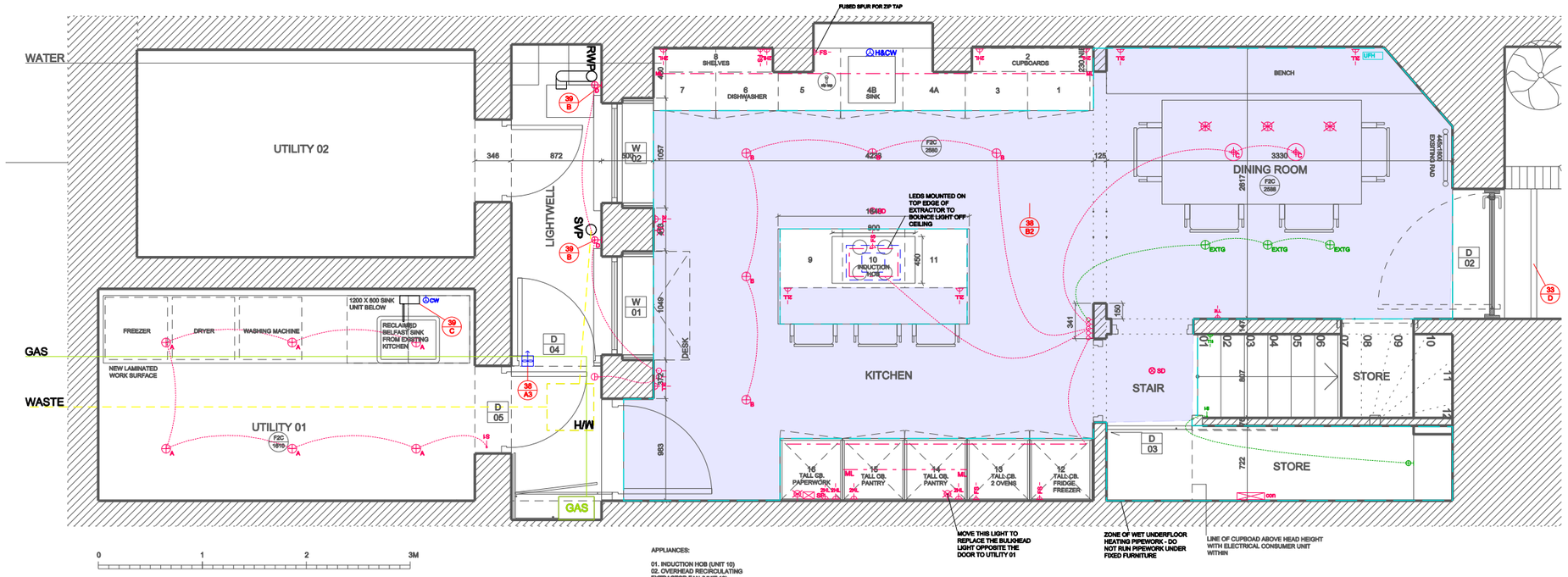
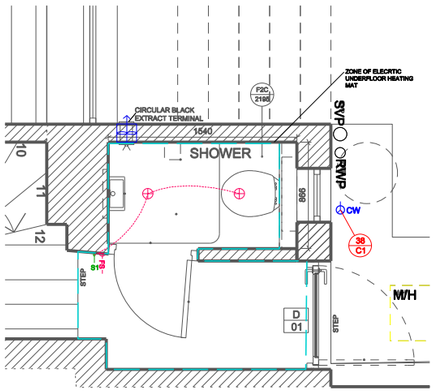


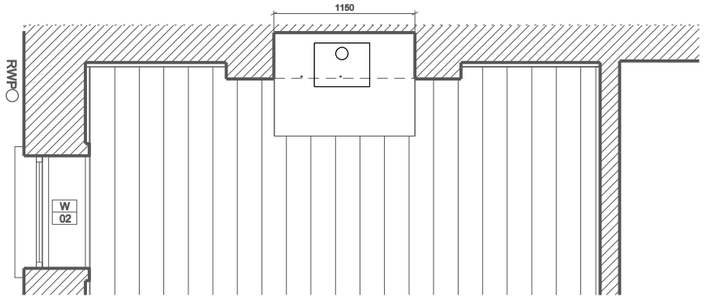
LOWER GROUND FLOOR - SERVICES PROPOSED

APPLIANCES:

01. INDUCTION HOB (UNIT 10)
02. OVERHEAD RECIRCULATING EXTRACTOR FAN (UNIT 10)
03. INTEGRATED DOUBLE OVEN (UNIT 13)
04. UNDERMOUNTED SINK (UNIT 4)
05. MONOBLOCK TAP (UNIT 4)
06. ZIP, HOT AND COLD TAP (UNIT 4)
07. INTEGRATED DISHWASHER (UNIT 8)
08. INTEGRATED FRIDGE & FREEZER (UNIT12)

description	symbol		quantity
lights	A	low profile recessed LED light 40mm (warm 2800k)	6
	B	low profile recessed LED light 40mm (warm 2800k)	6
	C	ceiling rose - pendant client supply	6
	D	50w dimmable LED flood (IP65)	6
double sockets	2	double switchable brushed SS	15
smoke detectors	SD	interlinked smoke detectors white (alow for all existing ones to be replaced)	6
heat detectors	HD	interlinked heat detectors white (alow for all existing ones to be replaced)	1
led strip lights		led stripe with driver module back to dimmer (2800k warm)	12m





Positioning of smoke and heat alarms

1.10 Detailed guidance on the design and installation of re detection and alarm systems in dwellinghouses is given in BS 5839-6:2004. However, the following guidance is appropriate to most common situations.
1.11 Smoke alarms should normally be positioned in the circulation spaces between sleeping spaces and places where res are most likely to start (e.g. kitchens and living rooms) to pick up smoke in the early stages of a re.
1.12 There should be at least one smoke alarm on every storey of a dwellinghouse.
1.13 Where the kitchen area is not separated from the stairway or circulation space by a door, there should be a compatible interlinked heat detector or heat alarm in the kitchen, in addition to whatever smoke alarms are needed in the circulation space(s).
1.14 Where more than one alarm is installed they should be linked so that the detection of smoke or heat by one unit operates the alarm signal in all of them. The manufacturers'instructions about the maximum number of units that can be linked should be observed.
1.15 Smoke alarms/detectors should be sited so that:
a.there is a smoke alarm in the circulation space within 7.5m of the door to every habitable room; □
b.they are ceiling-mounted and at least 300mm from walls and light ttings (unless, in the case of light ttings, there is test evidence□to prove that the proximity of the light tting will not adversely affect the ef ciency of the detector). Units designed for wall-mounting may also be used provided that the units are above the level of doorways opening into the space and they are xed in accordance with manufacturers'instructions; and □
c.the sensor in ceiling-mounted devices is between 25mm and 600mm below the ceiling (25-150mm in the case of heat detectors or heat alarms). □
Note: This guidance applies to ceilings that are predominantly at and horizontal.
1.16 It should be possible to reach the smoke alarms to carry out routine maintenance, such as testing and cleaning, easily and safely. For this reason smoke alarms should not be xed over a stair or any other opening between oors.
1.17 Smoke alarms should not be xed next to or directly above heaters or air-conditioning outlets. They should not be xed in bathrooms, showers, cooking areas or garages, or any other place where steam, condensation or fumes could give false alarms.
1.18 Smoke alarms should not be tted in places that get very hot (such as a boiler room) or very cold (such as an unheated porch).□They should not be xed to surfaces which are normally much warmer or colder than the rest of the space, because the temperature difference might create air cur

ELECTRICAL SERVICES GENERAL

- Crossed out denotes existing services to be removed
- EXTG Green denotes it is existing

LIGHTING

- Recessed downlight (with type ref.)
- Directional recessed downlight (with type ref.)
- LL LED strip light to underside (with type ref.)
- ML LED strip light at mid Level
- HL LED strip light at high Level
- Joinery Light (with type ref.)
- Wall light -
- FL Fluorescent Light -
- Single switch
- Double switch
- Single zone Lutron Rania dimmer switch
- Double zone Lutron Rania dimmer switch
- Lutron dimmer switch attached to Graphic Eye panel
- GE Graphic Eye Control Panel
- Feature pendant (with type ref.)

Note: slow for firehoods recessed lights

SMALL POWER

- con Consumer unit and meter
- Single power socket, high level
- Double power sockets, high level
- Single power socket, low level
- Double power sockets.
- Double external socket
- FS Fused Spur. White plastic, if concealed in joinery
- EIS Extractor Isolator Spur
- 4 power socket 'pop up'
- 5 Ampere circuit
- SH Shaver socket. Within cabinet - white plastic
- SP Appliance Switch Panel
- 5 Amp circuit - Floor socket

FIRE AND COMMUNICAITON

- D Door Bell
- SD Inter-linked smoke detector on mains power
- HD Inter-linked heat detector on mains power
- CD Battery powered carbon monoxide detector
- TV1 TV point (2no. CAT5, 1 no. COAX, 1no. HDMI, 1no. Power).
- TV2 TV point (2no. CAT5, 2 no. COAX, 2no. HDMI, 1no. Power).
- CAT5 BT point.
- CS Selected ceiling speakers
- WS Selected wall mounted speakers built into joinery unit
- SC Speaker control

SECURITY

- PIR passive infra red motion detector
- key pad
- DC door contact

VENTILATION

- Air extract system ceiling
- Air extract system wall
- UFH Control for Under Floor Heating
- UF vent underfloor vent terminal to outside air

HEATING

- RAD radiator with thermostatic valve
- UFH Under floor heating manifold back to boiler

AIR CONDITIONING

- AC Air Conditioning control

WATER

- CW cold water outlet (pipes not shown for clarity)
- H&CW hot and cold water outlet (pipes not shown for clarity)

DRAINAGE

- 110mm Waste pipe with fall direction & size
- EXTG RWP Exisitng Rain water downpipe
- EXTG SVP Exisitng Soil Vent pipe
- OFP Overflow pipe
- G gulley connected to drainage system

GAS

- Gas supply point
- gas gas meter and stop cock

Project No. 15118
Purpose TENDER
Client Katharine Reid & Michael Crabtree
Scale 1:50 at A3, 1:25 at A1
Date April 2016
Project 17 Grove Terrace, London
Drawing Title: Services Existing & Proposed
Drawing No. L-120
Rev. -
Drawn JG
Checked JG

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ORIGIN