

NTINUED ON D 02 - 304	RG No.	

CONTINUED ON DRG No.

1.	This drawing is for tendering purposes only and shall be read in
	conjunction with the accompanying technical specification and all
	associated project related drawings and documentation.

- All work shall comply with all relevant British & European Standards; BS Codes of Practices; Local Regulations and Byelaws applicable to the installation.
- It shall be the responsibility of the M&E Contractor to carry out a thorough survey of the building to acquaint himself with the full extent of the work and to prepare working drawings for approval prior to commencement of his installation.
- 4. The M&E contractor shall be solely responsible to liaise and co-ordinated his work and installation with the works and
- installations of all other contractors. 5. All drainage work to be carried out in accordance with bs 8301,
- bs 8005 and the building regulations.6. For exact location of rain water and foul water outlets, refer to the architects drawings.
- Surface water drains shall be either H.D.P.E. ridgidrain twinwall carrier pipe by `POLYPIPE PLC' (or similar approved) to B.S EN 1401-1 or P.C.C. pipes to B.S 5911 (Part 100) or vitrified clay to
- B.S 65
 8. Foul water drains shall be either P.V.C. pipework by `POLYPIPE PLC' (or similar approved) to B.S. EN 1401-01 or vitrified clay to B
- B.S. EN 295
 9. All GRP underground tanks are to be bedded on and encased in 225mm C30 20mm AGG. Concrete strictly in accordance with the manufacturers instructions.
 10. All manhole and inspection chamber covers, frames in trafficked
- areas shall comply to either B.S. 497 : Part 1 Heavy duty covers to MA60. or B.S. EN 124 Grade D400 (11.5 Tonne wheel loading). Manhole/inspection chamber covers in paving/landscaoe to be Grade B125
- For drainage construction and pipe bed details refer to drawing No. D-700.
 All drainage branches to be 110mm for foul water & 150mm For
- surface water unless marked otherwise. All soil & vent stacks to have roddable access 150mm above ground floor slab level with removable access plates.
 13. All floor gullies to be trapped & roddable and to be a wade type
- gully for internal usage
 All drainage channels to have rodding access at ends of runs &
- be surrounded in c30 concrete surround to manufacturers details.
 15. All shallow drainage (<900mm cover) and drainage below floor slab to be incased in min 150mm concrete surround.
 16. All concrete surrounds for the drainage to be class dc2 (sulphate
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 Cavity drainage details subject to Architect's detailed drawings.
 All Service Penetrations through walls & floors shall be suitably
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 All pipework supports, hangers and anchors required to support
- and control the movement of the various pipes shall be supplied and fitted.20. Plugs shall be used during the course of the contract to prevent dirt getting into the pipes. Should a stoppage occur due to this
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 The contractor shall include for connecting up to every fixture throughout the building.
- 23. The contractor will be responsible for submitting the following certificates when the installation is complete.
 i) Certificate or statement of completion of entire installation.
 ii) Soil pipe and trap test certificates
 iii) Certificate or statement that installation complies with
 - iii) Certificate or statement that installation complies with requirements of the local authorities.

C3 Htg F&R Reduced to 28mmØ L.Grd UFH 22Ø Added 15.02.17 C2 Updated as indicated 10.02.17 C1 Construction Issue 20.12.16

Project:

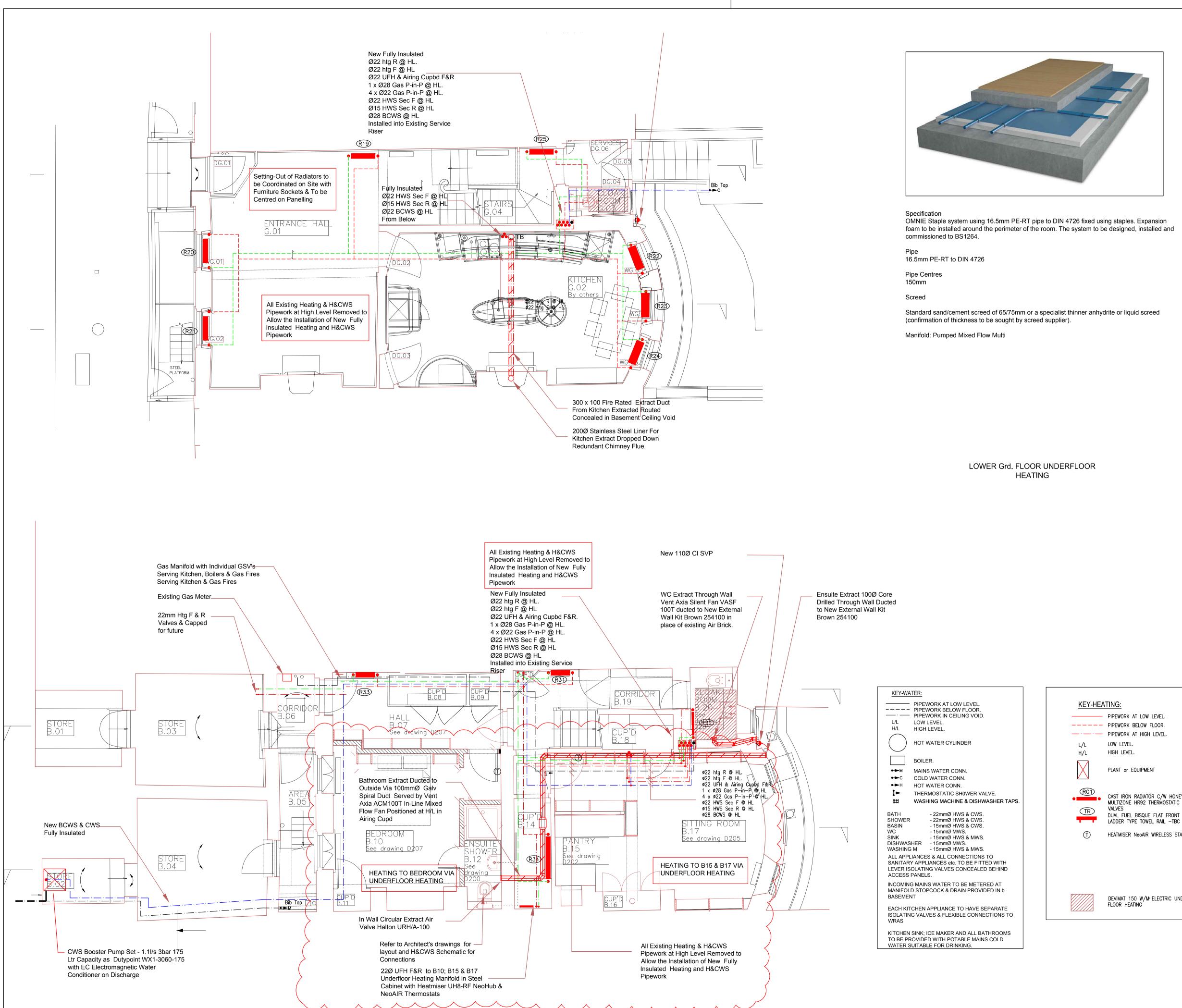
24 CHURCH ROW HAMPSTEAD LONDON

Architect:

CASSON CONDER PARTNERSHIP

étec 4 2002	Cu-tec Building Design 26 Park Street Tring Her tel. 01442 828 864 e-mail. info@cu-tec.co.u web. www.cu-tec.co.uk	tfordshire HP23 6AW
Drawing	Title:	
	MECHANICAL SERVICES HEATING AND H&CWS S	
Scale:	1:50 @ A1	Drawn by: BFH

sponsible for suitability of materials, fixings and manufacturing techniques. nauthorised reproduction and use of information herin is strictly forbidden.





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LEVE	L.				

CAST IRON RADIATOR C/W HONEYWELL EVOHOME MULTIZONE HR92 THERMOSTATIC VALVES & LS

LADDER TYPE TOWEL RAIL -TBC

HEATMISER NeoAIR WIRELESS STAT

DEVIMAT 150 W/M² ELECTRIC UNDER

Notes.

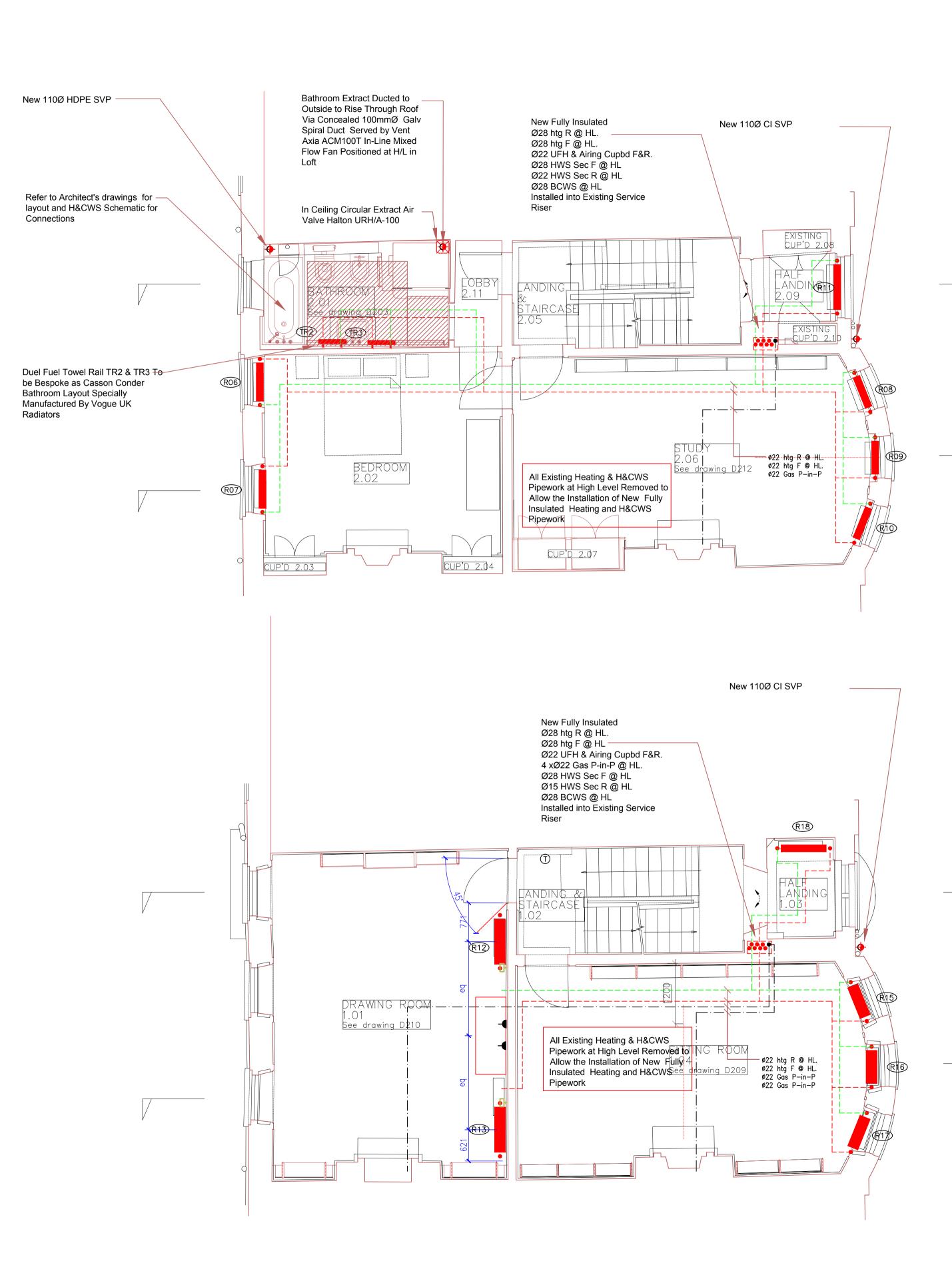
- 1. This drawing is for tendering purposes only and shall be read in conjunction with the accompanying technical specification and all associated project related drawings and documentation.
- 2. All work shall comply with all relevant British & European Standards; BS Codes of Practices; Local Regulations and Byelaws applicable to the installation.
- 3. It shall be the responsibility of the M&E Contractor to carry out a thorough survey of the building to acquaint himself with the full extent of the work and to prepare working drawings for approval prior to commencement of his installation.
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- installations of all other contractors. 5. All drainage work to be carried out in accordance with bs 8301,
- bs 8005 and the building regulations. 6. For exact location of rain water and foul water outlets, refer to the architects drawings.
- 7. Surface water drains shall be either H.D.P.E. ridgidrain twinwall carrier pipe by `POLYPIPE PLC' (or similar approved) to B.S EN 1401-1 or P.C.C. pipes to B.S 5911 (Part 100) or vitrified clay to
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- 20. Plugs shall be used during the course of the contract to prevent dirt getting into the pipes. Should a stoppage occur due to this cause, the trouble shall be rectified at the contractor's expense. The installation shall be thoroughly flushed clean before commissioning.
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 - Soil pipe and trap test certificates Certificate or statement that installation complies with requirements of the local authorities.

15.02.17 C2 Underfloor heating to L.Grd added 10.02.17 C2 Updated as indicated C1 Construction Issue 20.12.16

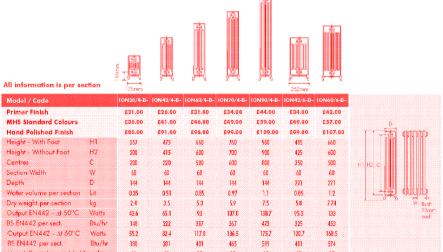
Project:

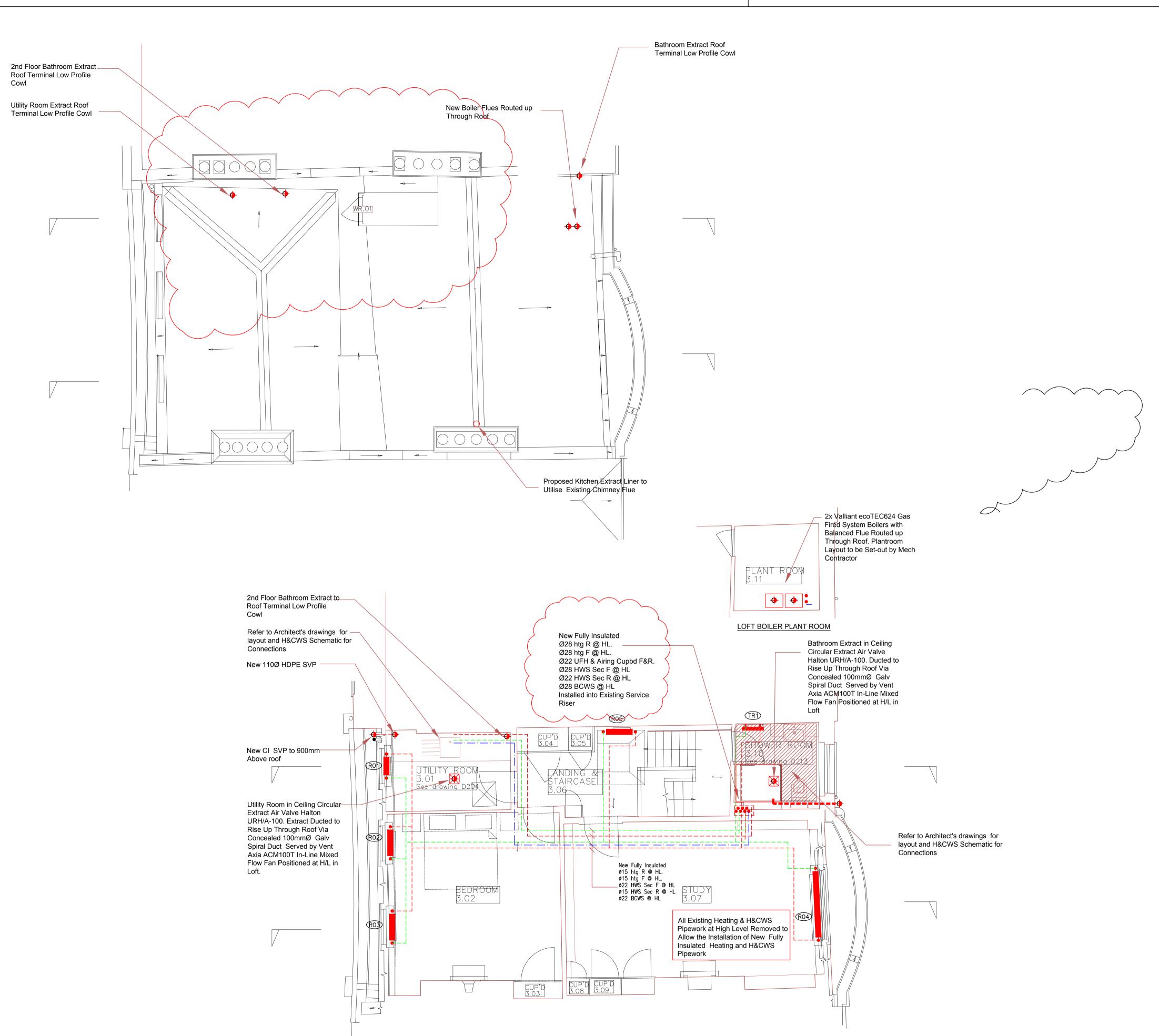
24 CHURCH ROW HAMPSTEAD LONDON

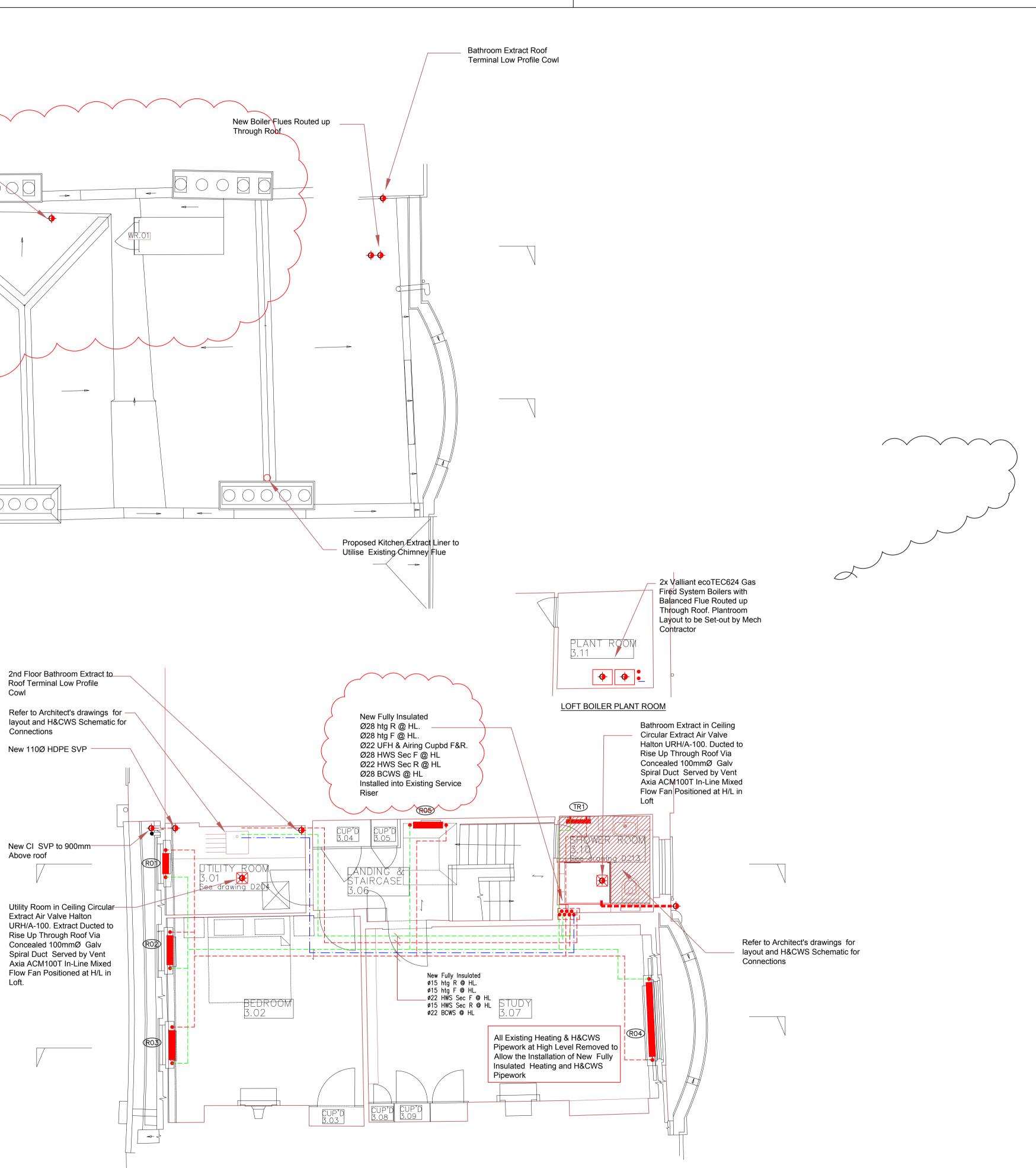
Architec	t.						
	CASSON CONDER P	ARTNERSHIP					
Lec etec	Cu-tec Building Design 26 Park Street Tring Her tel. 01442 828 864 e-mail. info@cu-tec.co.uk web. www.cu-tec.co.uk	tfordshire HP23 6/	λW				
Drawing	Title:						
	MECHANICAL SERVICES BASEMENT & GROUND F LAYOUTS						
Scale:	1:50 @ A1	Drawn by: BFH					
Date:	22.02.16	Chkd. by SMG					
Drawing	Drawing Number: Rev.						
Drawing	16.0622 - M - 302		C3				
Drawing		TION ISSU	E				
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manufactu	eneral arrangement drawing only. Manufactu rer details to be approved by client prior to c e for suitability of materials, fixings and manu	onstruction. Client approved c					
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Ref	24 Church Row	-	Heat Output Required	Radiator Type	Window Sill		Output it - per	# of	# of	Section	Total Width	Total Width	Issue 06.02.16 Depth	2 Product No:		F&R Reduced to 28m d UFH 22Ø Added	
R02 & R03 R01 R04 R05 R06 & R07	Front Bedroom 31 Utility Room 31 Study 31 1/2 Landing 31	rd 20 rd 6 rd 25	3000 900 3750 1000 3000	lonic Cast Iron lonic Cast Iron lonic Cast Iron lonic Cast Iron lonic Cast Iron	Height 0.9mm 0.86mm 0.9mm 0.9mm 0.9mm 0.9mm	With Foot 760mm 660mm 760mm 660mm 660mm	Section - Watts 136.5 117.8 136.5 136.5 136.5 117.8	Radiators 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Sections/Radiator 11 8 27 7 13 	Width 60 60 60 60 60 60 60	659 458 1648 440 764	with Valves 835 634 1824 616 940	144 144 144 144 144	ION70/4-B ION60/4-B ION70/4-B ION70/4-B ION70/4-B	C2 Upda	a OFH 220 Added ated as indicated	15.02.17 10.02.17 20.12.16
R08, R09 & R10 R11 R12 R13 R15, R16 & R17 R18 R19, R20 & R21 R22, R23 & R24	Study2r1/2 Landing2rDrawing Room1:Living Room1:	nd 25 nd 20 st 30 st 30 st 20 und 30	3750 2000 4500 4500 2000 4500	lonic Cast Iron lonic Cast Iron lonic Cast Iron Cast Iron lonic Cast Iron lonic Cast Iron Cast Iron	0.73mm 0.96mm NA 0.46 0.96mm 0.86mm 0.46	660mm 760mm 660mm 350mm 760mm 760mm 350mm	117.8 136.5 168 130 136.5 136.5 136.5 130	3 1 2 3 1 3 1 3 3	11 15 15 12 15 11 11	60 60 60 58 60 60 58	637 637 900 669 879 659 625	813 1055 1076 845 1055 835 801	144 144 221 221 144 144 350	ION60/4-B ION70/4-B ION70/4-B Cast Iron Radiators 01723 32100 ION70/4-B ION70/4-B Cast Iron Radiators 01723 32100	Project: 24	CHURCH ROW	HAMPSTEAD LONDON
R22, R23 & R24 R25 R26 & R27 R28, R29 & R30 R31 R32 R33 R33 R34	Itelef Gro 1/2 Landing Gro Bedroom Baser Sitting Room Baser Back Stair Baser WC Baser Back Stair Baser Airing Cupbd Baser	und 20 ment 30 ment 28 ment 8 ment 2 ment 8	2000 4500 4200 1200 300 1200	lonic Cast Iron lonic Cast Iron lonic Cast Iron lonic Cast Iron Multi-sec lonic Cast Iron Multi-sec	0.96mm 0.96mm 1.03mm 0.96mm NA na NA na	760mm 760mm 760mm 760mm 502mm 760mm 502mm 502mm	136.5 136.5 136.5 136.5 136.5 477 136.5 477	1	11 15 16 10 9 1 9 1 1	60 60 60 60 585 60 585 60 585	879 989 615 527 609 527 609	1055 1165 791 703 785 703 785	333 144 144 144 144 89 144 89 144 89	ION70/4-B ION70/4-B ION70/4-B ION70/4-B NMW-0500-2-13 ION70/4-B NMW-0500-2-13	Architect:	SSON CONDER	PARTNERSHIP

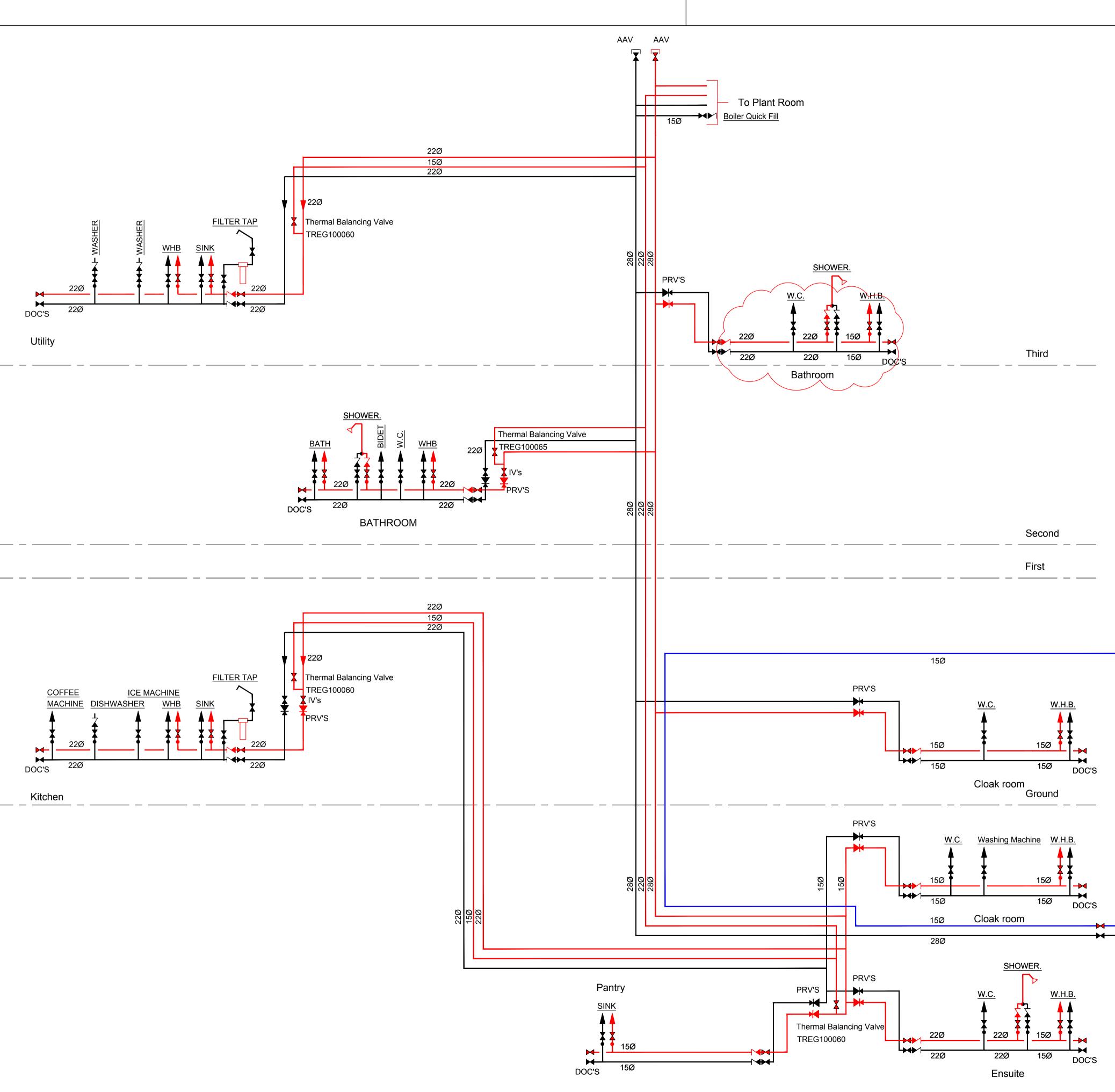


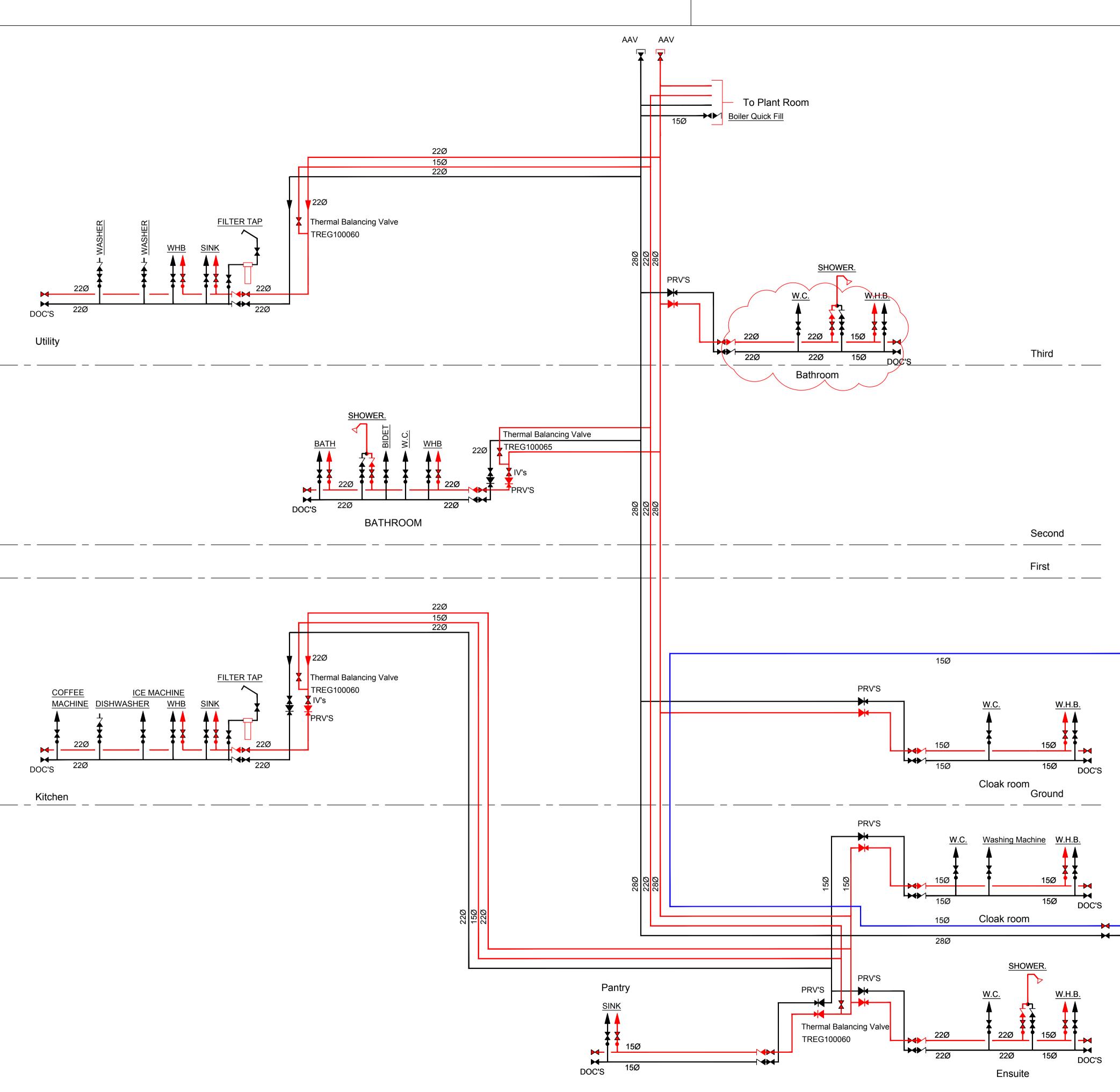


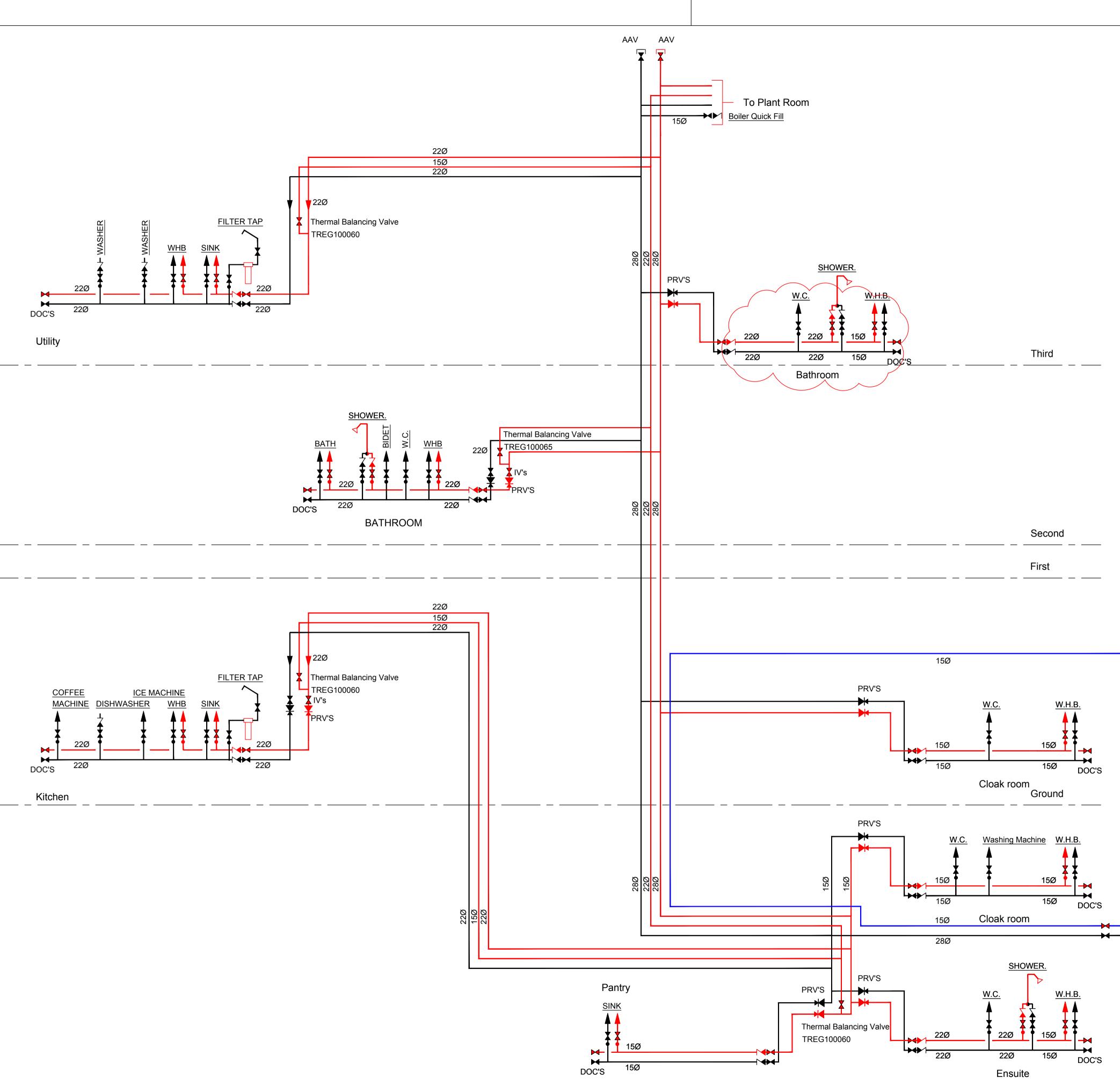


Notes

6. 7.	bs 8005 and the building regulation: For exact location of rain water and architects drawings. Surface water drains shall be either	foul water outlets, refer to the H.D.P.E. ridgidrain twinwall
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Basement

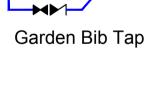
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	d Floor Shower Room Added	15.02.17					
	pdated as indicated	10.02.17 20.12.16					
Project:							
Project:	24 CHURCH ROW HAMPSTE	AD LONDON					
Architect	:						
	CASSON CONDER PARTNER	RSHIP					
	Cu-tec Building Servic	es					
C	Design 26 Park Street Tring Hertfordshire	HP23 6AW					
S -tec	tel. 01442 828 864						
est 2002	e-mail. info@cu-tec.co.uk web. www.cu-tec.co.uk						
	MECHANICAL SERVICES						
	HOT & COLD WATER SERVICES S	CHEMATIC					

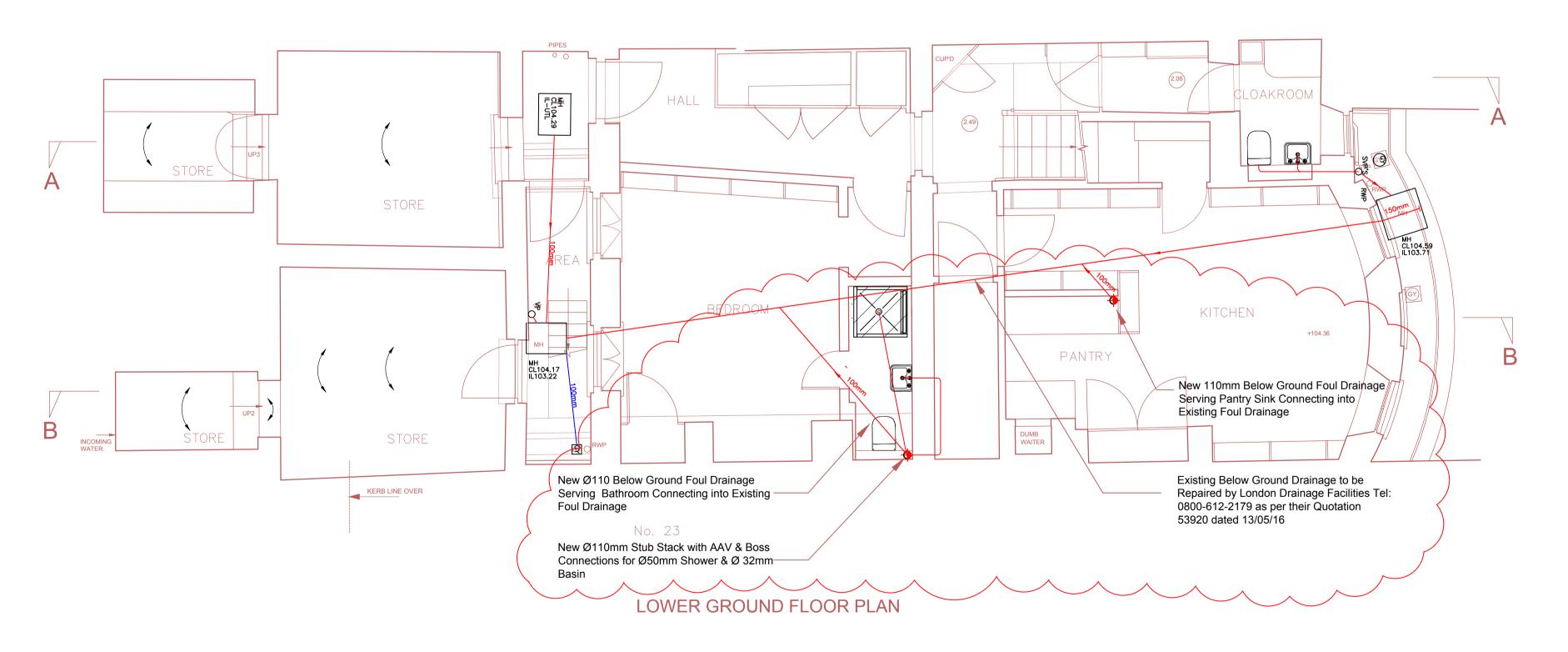
From CWS Booster Vault

Drawn by: BFH Scale: 1:50 @ A1 Chkd. by SMG Date: 22.02.16 Drawing Number: Rev. 16.0622 - M - 305 C3 Drawing Status: CONSTRUCTION ISSUE © copyright 2016 All dimensions to be verified on site. Figured dimensions to be taken in preference to those scaled. This is a general arrangement drawing only. Manufacturers must adhere to the indicated design. All manufacturer details to be approved by client prior to construction. Client approved contractor is responsible for suitability of materials, fixings and manufacturing techniques.

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No. 25



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Notes. 1. This drawing is for tendering purposes only and shall be read in conjunction with the accompanying technical specification and all associated project related drawings and documentation. All work shall comply with all relevant British & European Standards; BS Codes of Practices; Local Regulations and Byelaws applicable to the installation. 3. It shall be the responsibility of the M&E Contractor to carry out a thorough survey of the building to acquaint himself with the full extent of the work and to prepare working drawings for approval prior to commencement of his installation. 4. The M&E contractor shall be solely responsible to liaise and co-ordinated his work and installation with the works and installations of all other contractors. 5. All drainage work to be carried out in accordance with bs 8301, bs 8005 and the building regulations. 6. For exact location of rain water and foul water outlets, refer to the architects drawings. 7. Surface water drains shall be either H.D.P.E. ridgidrain twinwall carrier pipe by `POLYPIPE PLC' (or similar approved) to B.S EN 1401-1 or P.C.C. pipes to B.S 5911 (Part 100) or vitrified clay to B.S 65 8. Foul water drains shall be either P.V.C. pipework by `POLYPIPE PLC' (or similar approved) to B.S. EN 1401-01 or vitrified clay to B.S. EN 295 9. All GRP underground tanks are to be bedded on and encased in 225mm C30 20mm AGG. Concrete strictly in accordance with the manufacturers instructions. 10. All manhole and inspection chamber covers, frames in trafficked areas shall comply to either B.S. 497 : Part 1 Heavy duty covers to MA60. or B.S. EN 124 Grade D400 (11.5 Tonne wheel loading). Manhole/inspection chamber covers in paving/landscaoe to be Grade B125 11. For drainage construction and pipe bed details refer to drawing No. D-700. 12. All drainage branches to be 110mm for foul water & 150mm For surface water unless marked otherwise. All soil & vent stacks to have roddable access 150mm above ground floor slab level with removable access plates. 13. All floor gullies to be trapped & roddable and to be a wade type gully for internal usage 14. All drainage channels to have rodding access at ends of runs & be surrounded in c30 concrete surround to manufacturers details. 15. All shallow drainage (<900mm cover) and drainage below floor slab to be incased in min 150mm concrete surround. 16. All concrete surrounds for the drainage to be class dc2 (sulphate resisting) Cavity drainage details subject to Architect's detailed drawings.
 All Service Penetrations through walls & floors shall be suitably sleeved, sealed and fire stopped in accordance with Building Regulation Part B requirements. 19. All pipework supports, hangers and anchors required to support and control the movement of the various pipes shall be supplied and fitted. 20. Plugs shall be used during the course of the contract to prevent dirt getting into the pipes. Should a stoppage occur due to this cause, the trouble shall be rectified at the contractor's expense. The installation shall be thoroughly flushed clean before commissioning. 21. The contractor shall ensure that the work is protected during installation and to keep openings sealed to prevent the entry of foreign matter into the system during construction. 22. The contractor shall include for connecting up to every fixture throughout the building. 23. The contractor will be responsible for submitting the following certificates when the installation is complete. Certificate or statement of completion of entire installation. Soil pipe and trap test certificates Certificate or statement that installation complies with iii) requirements of the local authorities. 10.02.17 C2 Updated as indicated C1 Construction Issue 20.12.16 Project: 24 CHURCH ROW HAMPSTEAD LONDON Architect: CASSON CONDER PARTNERSHIP Cu-tec Building Services Design 26 Park Street Tring Hertfordshire HP23 6AW tel. 01442 828 864 e-mail. info@cu-tec.co.uk web. www.cu-tec.co.uk

Drawing Title: MECHANICAL SERVICES BELOW GROUND DRAINAGE REPAIRS & MODIFICATIONS Scale: 1:50 @ A1 Drawn by: BFH Chkd. by SMG Date: 22.02.16 Drawing Number: Rev. C2 16.0622 - M - 306 Drawing Status CONSTRUCTION ISSUE © copyright 2016 All dimensions to be verified on site. Figured dimensions to be taken in preference to those scaled. This is a general arrangement drawing only. Manufacturers must adhere to the indicated design. All manufacturer details to be approved by client prior to construction. Client approved contractor is responsible for suitability of materials, fixings and manufacturing techniques. Inauthorised reproduction and use of information herin is strictly forbidden.