

Pile Data - Garage 13						
Pile No.	Pile Load (kN)	Pile Load Horiz. (kN)	Pile Load Horiz. (kN)	Pile cut-off Level (m)	Eastings (m)	Northings (m)
13/01	200	-	-	52.775	499117.110	166542.741
13/02	200	-	-	52.775	499120.170	166541.608
13/03	200	-	-	52.775	499114.923	166536.833
13/04	200	-	-	52.775	499117.982	166535.700

Legend

- Denotes span of 150 Jet floor
- Denotes span of 150 beam & block floor
- Denotes location of 50mm Heaveguard.
- Denotes location of step in soffit of foundation.
- 300 step
- Denotes location of step in top of foundation.
- TFL Denotes top of foundation level
- BFL Denotes bottom of foundation level

For typical sections, RDPC, exposed brickwork & heaveguard, refer to jnp dwg. nos. C86828-JNP-10-00-DR-S-3501-3504

For construction notes refer to jnp dwg. no. C86828-JNP-XX-XX-DR-S-1001

Note: All blockwork strength below DPC to be 7.3N/mm² (see Masonry Notes - note 16 on dwg C86828-JNP-XX-XX-DR-S-1001) unless noted otherwise.

Refer to Architect's drawings for setting out of walls and foundations.

For location/setting out of service lintels, RWPs and SVPs and other services refer to Architect's drawings.

Note: Cover to all reinforcement to be 50mm unless noted otherwise

Note: All R.C. ground beams to be 600mm wide x 450 dp. unless noted otherwise

Note: All R.C. ground beams to be located centrally under walls unless noted otherwise

Note: For Standard Reinforcement Details refer to dwg. C86828-JNP-10-00-DR-S-3520

For ground levels refer to Withers dwg. nos. 24-003/130-132 & 136

Top of foundation (TFL) derived from:
Houses
Finishes = 225mm
Beam & block floor = 150mm
Soffit of B&B floor to TOGB = 450mm
FFL to TFL = 825mm
FFL to pile cut off = 1225mm
Apartments
Finishes = 225mm
Beam & block floor = 150mm
Soffit of B&B floor to TOGB = 525mm
FFL to TFL = 900mm
FFL to pile cut off = 1300mm

General Notes

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- Any discrepancies between drawings of different scales and between drawings and specifications, where appropriate, to be reported to JNP Group for decision.
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- This drawing should only be used for construction if the drawing status is "A4 - Approved/Stage Complete". JNP Group takes no responsibility for construction works undertaken to drawings that are not marked with this status.

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Health & Safety Note
The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

HAZARD IDENTIFICATION BOX			
This table is provided to assist the Principal Contractor to fulfil their obligations under the CDM Regulations 2015			
Hazard Ref	Hazard Type <small>(Construction/Maintenance/Opening/Commissioning/Repair)</small>	Hazard Description	Mitigation Measures/Residual Risk
	Excavation & Construction Phases	High ground water table	Dewatering ground water above basement slab level. Pumps failing / flooding. Dewater until completion of construction of the reinforced concrete basement & ground floor slab top

C1	09/01/2025	Issued for Construction	EML / AB
Rev	Date	Description	Dim / Check / App'd

Subsidiary: A4 - Approved/Stage Complete

Client Logo:

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Client: Bellway Homes Ltd
South London

Job: Regents Gate,
Virginia Water

Title: Piled Foundation Details
Garage Single Plot 13

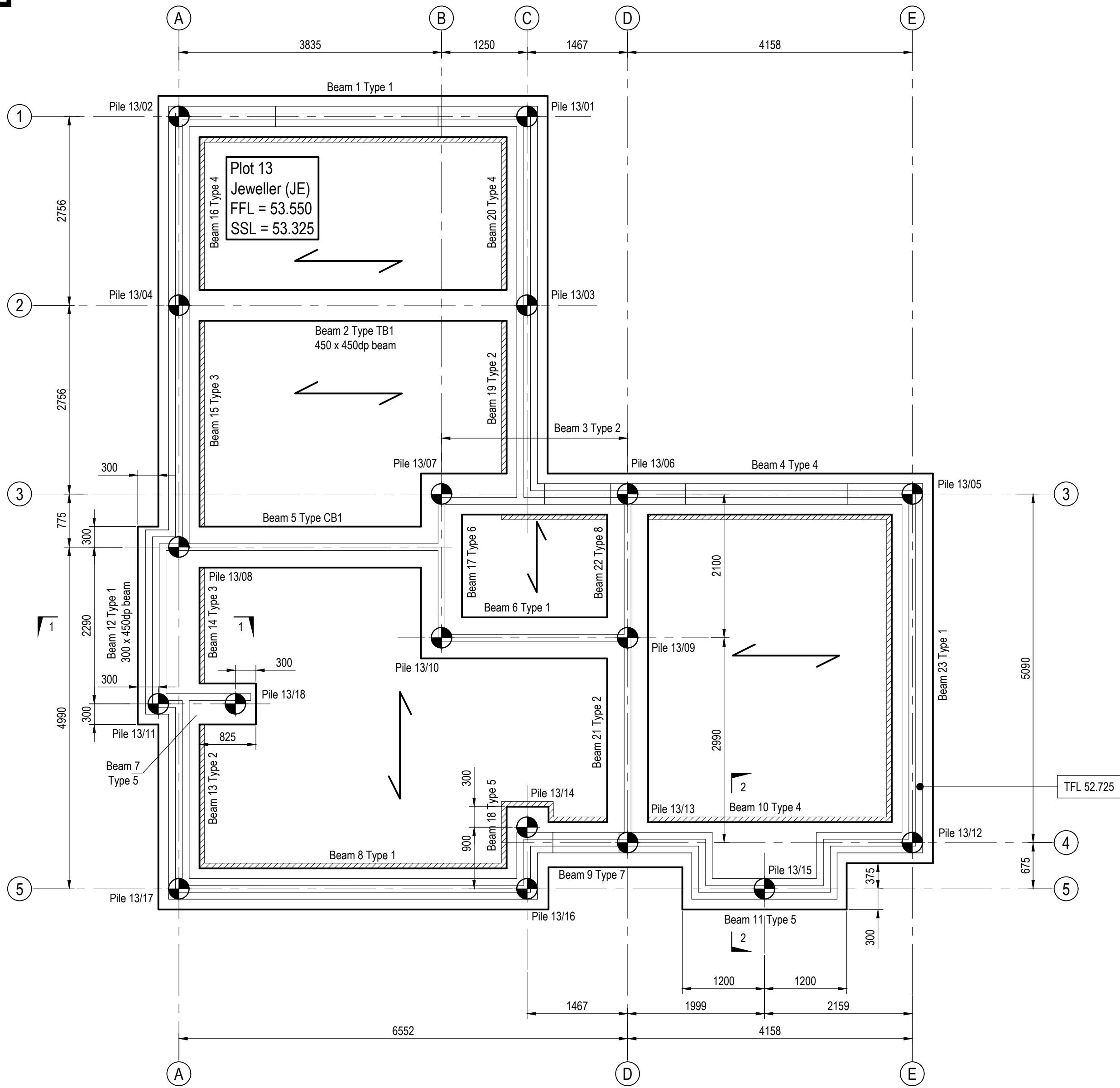
Classification: FL_60_20
Scale @ A1: As Shown

Project - Originator - Volume/System - Level/Location - Type - Discipline - Number
C86828 - JNP - 10 - 00 - DR - S - 2552

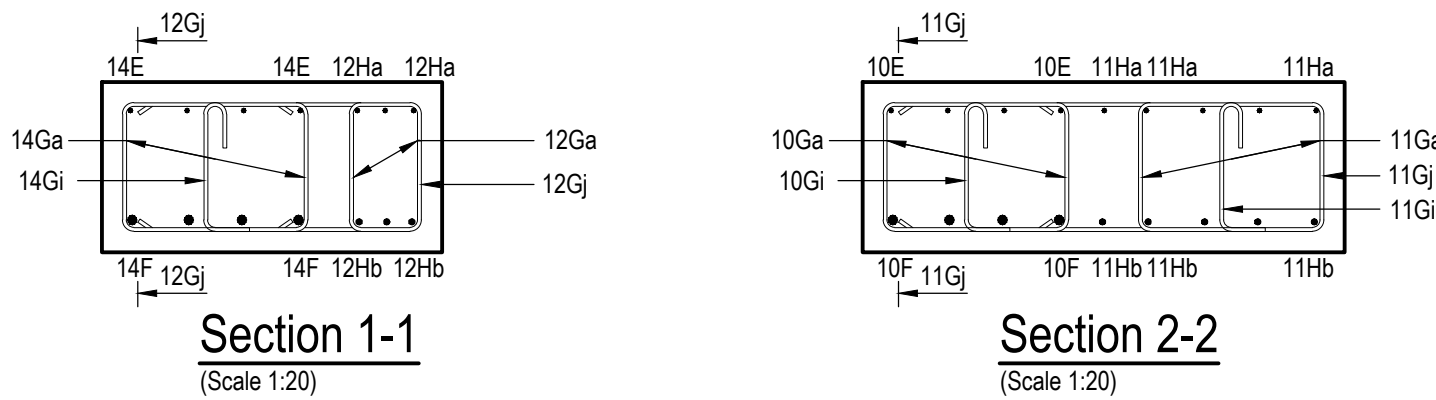
Reason: C1

Document/Drawing Number

It shall be the responsibility of the contractor to check bending schedules against the drawings prior to the ordering of the reinforcement and to notify the engineer of any discrepancies. Reinforcement listed on schedule no. 2552 sheet 1.



Plot 13 foundation plan
(Scale 1:50)



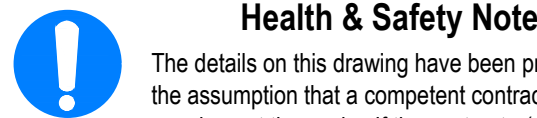
It shall be the responsibility of the contractor to check bending schedules against the drawings prior to the ordering of the reinforcement and to notify the engineer of any discrepancies.
Reinforcement listed on schedule no. 2568 sheets 1-6 inc.

Pile Data - Plot 13						
Pile No.	Pile Load (kN)	Pile Dia. (mm)	Pile cut-off Level (m)	Pile Length (m)	Eastings (m)	Northings (m)
Pile 13/01	250		52.325		499115.985	166530.178
Pile 13/02	250		52.325		499114.219	166525.409
Pile 13/03	250		52.325		499118.569	166529.221
Pile 13/04	250		52.325		499116.804	166524.452
Pile 13/05	275		52.325		499123.106	166533.539
Pile 13/06	375		52.325		499121.663	166529.640
Pile 13/07	200		52.325		499120.719	166527.091
Pile 13/08	325		52.325		499120.115	166523.226
Pile 13/09	275		52.325		499123.632	166528.911
Pile 13/10	200		52.325		499122.689	166526.362
Pile 13/11	200		52.325		499122.158	166522.150
Pile 13/12	275		52.325		499127.890	166531.772
Pile 13/13	300		52.325		499126.436	166527.873
Pile 13/14	200		52.325		499125.716	166526.575
Pile 13/15	175		52.325		499127.763	166529.513
Pile 13/16	200		52.325		499126.560	166526.262
Pile 13/17	300		52.325		499124.794	166521.494
Pile 13/18	125		52.325		499122.548	166523.205

Note:
1. Pile length to be completed by Contractor.
2. The design of the foundations and loadings to the piles is based upon a pile diameter of 300mm.
The piling tenderer/contractor is to inform The Engineer of any proposed variation to this pile diameter.

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1	Excavation & Construction Phases	High ground water table	Dewatering ground water above basement slab level. Pumps failing / flooding. Dewater until completion of construction of the reinforced concrete basement & ground floor slab box.

Legend

	Denotes span of 150 Jet floor
	Denotes span of 150 beam & block floor
	Denotes location of 50mm Heaveguard.
	Denotes location of step in soffit of foundation.
	Denotes location of step in top of foundation.
TFL	Denotes top of foundation level
BFL	Denotes bottom of foundation level

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For construction notes refer to jnp dwg. no. C86828-JNP-XX-XX-DR-S-1001

Note: All blockwork strength below DPC to be 7.3N/mm² (see Masonry Notes - note 16 on dwg C86828-JNP-XX-XX-DR-S-1001) unless noted otherwise.

Refer to Architect's drawings for setting out of walls and foundations.

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Note: Cover to all reinforcement to be 50mm unless noted otherwise

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Note: All R.C. ground beams to be located centrally under walls unless noted otherwise

Note: For Standard Reinforcement Details refer to dwg. C86828-JNP-10-00-DR-S-3520

For ground levels refer to Withers dwg. nos. 24-003/130-132 & 136

Top of foundation (TFL) derived from:
Houses
Finishes = 225mm
Beam & block floor = 150mm
Soffit of B&B floor to TOGB = 450mm
FFL to TFL = 825mm
FFL to pile cut off = 1225mm
Apartments
Finishes = 225mm
Beam & block floor = 150mm
Soffit of B&B floor to TOGB = 525mm
FFL to TFL = 900mm
FFL to pile cut off = 1300mm

C2	15/05/2023	House Type changed	RJ / AB
C1	22/11/2024	Issued for Construction	RJ / AB
T1	26/04/2024	First issue for Tender	EML / AB
Rev	Date	Description	Drawn / Checked / App'd

Subsidiary:
A4 - Approved/Stage Complete



Client: Bellway Homes Ltd South London	
Address: Regents Gate, Virginia Water	
Title: Plot 13 Pile & ground beam Foundation plan	
Classification: FL_60_20 Scale @ A1: As Shown	Revision: C2
Site - Drawing Number - Consultant Type - Subject C86828 - JNP - 10 - 00 - DR - S - 2568 Document/Drawing Number	



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Schedule No.	2552	C1
Page		1 of 1
Job No.	C86828	
Prepared	EML	
Date	09/01/2025	
Checked	AB	
Approved		

[illegible]

All bending dimensions are in accordance with BS 8666:2005

* Specified to the nearest 25mm + Specified to the nearest 5mm



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Schedule No. 2568 Rev C2
Page 1 of 6
Job No. C86828
Prepared EML
Date
Checked
Approved

Member	Bar Mark	Type & Size	No of mbr's	No in Each	Total No	Length of each bar * mm	Shape Code	A + mm	B + mm	C + mm	D + mm	E/r + mm
Plot 13												
Beam 01	01 A	H12	1	5	5	1325	11	150	1175			
(type 1)	01 B	H12	1	5	5	1325	11	150	1175			
Beam Width 600	01 C	H20	1	5	5	1650	11	200	1500			
Beam Depth 450	01 D	H20	1	5	5	1650	11	200	1500			
	01 E	H12	1	5	5	4400	00	4400				
	01 F	H25	1	5	5	4400	00	4400				
Link spcg 250	01 Ga	H10	1	19	19	1825	51	490	340	130		
Link spcg 250	01 Gi	H10	1	19	19	600	22	130	340	60	130	
Beam 02	02 A	H12	1	3	3	1325	11	150	1175			
(type TB1)	02 B	H12	1	3	3	1325	11	150	1175			
Beam Width 450	02 C	H12	1	3	3	1325	11	150	1175			
Beam Depth 450	02 D	H12	1	3	3	1325	11	150	1175			
	02 E	H12	1	3	3	4400	00	4400				
	02 F	H12	1	3	3	4400	00	4400				
Link spcg 275	02 Gk	H10	1	17	17	1525	51	340	340	130		
Beam 03	03 A	H12	1	4	4	1325	11	150	1175			
(type 2)	03 J	H20	1	4	4	2300	00	2300				
Beam Width 600	03 C	H16	1	4	4	1450	11	150	1325			
Beam Depth 450	03 L	H16	1	4	4	2150	00	2150				
	03 E	H12	1	4	4	2025	00	2025				
	03 F	H20	1	4	4	2025	00	2025				
Link spcg 250	03 Ga	H10	1	10	10	1825	51	490	340	130		
Link spcg 250	03 Gi	H10	1	10	10	600	22	130	340	60	130	
Beam 04	04 B	H12	1	4	4	1325	11	150	1175			
(type 4)	04 D	H16	1	4	4	1450	11	150	1325			
Beam Width 600	04 E	H12	1	4	4	3475	00	3475				

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* Specified to the nearest 25mm + Specified to the nearest 5mm

Member	Bar Mark	Type & Size	No of mbr's	No in Each	Total No	Length of each bar * mm	Shape Code	A + mm	B + mm	C + mm	D + mm	E/r + mm
Beam Depth 450	04 F	H20	1	4	4	3475	00	3475				
Link spcg 250	04 Ga	H10	1	15	15	1825	51	490	340	130		
Link spcg 250	04 Gi	H10	1	15	15	600	22	130	340	60	130	
Beam 05	05 B	H16	1	4	4	1450	11	150	1325			
(type CB1)	05 M	H20	1	4	4	4175	11	200	4030			
Beam Width 600	05 D	H16	1	4	4	1450	11	150	1325			
Beam Depth 450	05 N	H20	1	4	4	4175	11	200	4030			
Link spcg 250	05 Ga	H10	1	18	18	1825	51	490	340	130		
Link spcg 250	05 Gi	H10	1	18	18	600	22	130	340	60	130	
Beam 06	06 A	H12	1	4	4	1325	11	150	1175			
(type 1)	06 B	H12	1	4	4	1325	11	150	1175			
Beam Width 600	06 C	H12	1	4	4	1325	11	150	1175			
Beam Depth 450	06 D	H12	1	4	4	1325	11	150	1175			
	06 E	H12	1	4	4	2025	00	2025				
	06 F	H12	1	4	4	2025	00	2025				
Link spcg 250	06 Ga	H10	1	10	10	1825	51	490	340	130		
Link spcg 250	06 Gi	H10	1	10	10	600	22	130	340	60	130	
Beam 07	07 Ha	H12	1	4	4	1875	21	150	1610	150		
(type 5)	07 Hb	H20	1	4	4	1900	21	200	1610	200		
Beam Width 600	07 Ga	H10	1	3	3	1825	51	490	340	130		
Beam Depth 450	07 Gi	H10	1	3	3	600	22	130	340	60	130	
Link spcg 250												
Beam 08	08 A	H12	1	5	5	1325	11	150	1175			
(type 1)	08 B	H12	1	5	5	1325	11	150	1175			
Beam Width 600	08 C	H20	1	5	5	1650	11	200	1500			
Beam Depth 450	08 D	H20	1	5	5	1650	11	200	1500			

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Member	Bar Mark	Type & Size	No of mbr's	No in Each	Total No	Length of each bar * mm	Shape Code	A + mm	B + mm	C + mm	D + mm	E/r + mm
	08 E	H12	1	5	5	4400	00	4400				
	08 F	H25	1	5	5	4400	00	4400				
Link spcg 250	08 Ga	H10	1	19	19	1825	51	490	340	130		
Link spcg 250	08 Gi	H10	1	19	19	600	22	130	340	60	130	
Beam 09	09 P	H12	1	4	4	1500	11	150	1360			
(type 7)	09 J	H20	1	4	4	1875	00	1875				
Beam Width 600	09 Q	H20	1	4	4	1525	11	200	1360			
Beam Depth 450	09 L	H16	1	4	4	2150	00	2150				
Link spcg 250	09 Ga	H10	1	5	5	1825	51	490	340	130		
Link spcg 250	09 Gi	H10	1	5	5	600	22	130	340	60	130	
Beam 10	10 B	H12	1	4	4	1325	11	150	1175			
(type 4)	10 D	H16	1	4	4	1450	11	150	1325			
Beam Width 600	10 E	H12	1	4	4	3475	00	3475				
Beam Depth 450	10 F	H20	1	4	4	3475	00	3475				
Link spcg 250	10 Ga	H10	1	15	15	1825	51	490	340	130		
Link spcg 250	10 Gi	H10	1	15	15	600	22	130	340	60	130	
Beam 11	11 Ha	H12	1	5	5	2550	21	150	2280	150		
(type 5)	11 Hb	H12	1	5	5	2550	21	150	2280	150		
Beam Width 600	11 Ga	H10	1	10	10	1825	51	490	340	130		
Beam Depth 450	11 Gi	H10	1	10	10	600	22	130	340	60	130	
Link spcg 250	11 Gj	H10	1	10	10	2550	21	1125	340	1125		
Beam 12	12 A	H12	1	4	4	1325	11	150	1175			
(type 1)	12 B	H12	1	4	4	1325	11	150	1175			
Beam Width 300	12 C	H12	1	4	4	1325	11	150	1175			
Beam Depth 450	12 D	H12	1	4	4	1325	11	150	1175			
	12 E	H12	1	4	4	1600	00	1600				

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Member	Bar Mark	Type & Size	No of mbr's	No in Each	Total No	Length of each bar * mm	Shape Code	A + mm	B + mm	C + mm	D + mm	E/r + mm
	12 F	H12	1	4	4	1600	00	1600				
Link spcg 250	12 Ga	H10	1	8	8	1225	51	190	340	130		
	12 Gj	H10	1	8	8	1850	21	750	340	750		
Beam 13	13 A	H12	1	4	4	1325	11	150	1175			
(type 2)	13 J	H20	1	4	4	1675	00	1675				
Beam Width 600	13 C	H16	1	4	4	1450	11	150	1325			
Beam Depth 450	13 L	H16	1	4	4	2150	00	2150				
	13 E	H12	1	4	4	2000	00	2000				
	13 F	H20	1	4	4	2000	00	2000				
Link spcg 250	13 Ga	H10	1	10	10	1825	51	490	340	130		
Link spcg 250	13 Gi	H10	1	10	10	600	22	130	340	60	130	
Beam 14	14 J	H20	1	4	4	1950	00	1950				
(type 3)	14 L	H16	1	4	4	2150	00	2150				
Beam Width 600	14 E	H12	1	4	4	1600	00	1600				
Beam Depth 450	14 F	H20	1	4	4	1600	00	1600				
Link spcg 250	14 Ga	H10	1	8	8	1825	51	490	340	130		
Link spcg 250	14 Gi	H10	1	8	8	600	22	130	340	60	130	
Beam 15	15 J	H16	1	4	4	2100	00	2100				
(type 3)	15 L	H12	1	4	4	1850	00	1850				
Beam Width 600	15 E	H12	1	4	4	2850	00	2850				
Beam Depth 450	15 F	H16	1	4	4	2850	00	2850				
Link spcg 250	15 Ga	H10	1	13	13	1825	51	490	340	130		
Link spcg 250	15 Gi	H10	1	13	13	600	22	130	340	60	130	
Beam 16	16 B	H12	1	4	4	1325	11	150	1175			
(type 4)	16 D	H12	1	4	4	1325	11	150	1175			
Beam Width 600	16 E	H12	1	4	4	2075	00	2075				

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Member	Bar Mark	Type & Size	No of mbr's	No in Each	Total No	Length of each bar * mm	Shape Code	A + mm	B + mm	C + mm	D + mm	E/r + mm
Beam Depth 450	16 F	H16	1	4	4	2075	00	2075				
Link spcg 250	16 Ga	H10	1	10	10	1825	51	490	340	130		
Link spcg 250	16 Gi	H10	1	10	10	600	22	130	340	60	130	
Beam 17	17 A	H12	1	4	4	1325	11	150	1175			
(type 6)	17 P	H12	1	4	4	2125	11	150	1990			
Beam Width 600	17 C	H12	1	4	4	1325	11	150	1175			
Beam Depth 450	17 Q	H16	1	4	4	2125	11	150	1990			
Link spcg 250	17 Ga	H10	1	7	7	1825	51	490	340	130		
Link spcg 250	17 Gi	H10	1	7	7	600	22	130	340	60	130	
Beam 18	18 Ha	H12	1	4	4	1650	21	150	1385	150		
(type 5)	18 Hb	H20	1	4	4	1675	21	200	1385	200		
Beam Width 600	18 Ga	H10	1	4	4	1825	51	490	340	130		
Beam Depth 450	18 Gi	H10	1	4	4	600	22	130	340	60	130	
Link spcg 250												
Beam 19	19 A	H12	1	4	4	1325	11	150	1175			
(type 2)	19 J	H16	1	4	4	1850	00	1850				
Beam Width 600	19 C	H12	1	4	4	1325	11	150	1175			
Beam Depth 450	19 L	H12	1	4	4	1850	00	1850				
	19 E	H12	1	4	4	2075	00	2075				
	19 F	H16	1	4	4	2075	00	2075				
Link spcg 250	19 Ga	H10	1	10	10	1825	51	490	340	130		
Link spcg 250	19 Gi	H10	1	10	10	600	22	130	340	60	130	
Beam 20	20 B	H12	1	4	4	1325	11	150	1175			
(type 4)	20 D	H12	1	4	4	1325	11	150	1175			
Beam Width 600	20 E	H12	1	4	4	2075	00	2075				

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Member	Bar Mark	Type & Size	No of mbr's	No in Each	Total No	Length of each bar * mm	Shape Code	A + mm	B + mm	C + mm	D + mm	E/r + mm
Beam Depth 450	20 F	H16	1	4	4	2075	00	2075				
Link spcg 250	20 Ga	H10	1	10	10	1825	51	490	340	130		
Link spcg 250	20 Gi	H10	1	10	10	600	22	130	340	60	130	
Beam 21	21 A	H12	1	4	4	1325	11	150	1175			
(type 2)	21 J	H12	1	4	4	1700	00	1700				
Beam Width 600	21 C	H12	1	4	4	1325	11	150	1175			
Beam Depth 450	21 L	H12	1	4	4	1850	00	1850				
	21 E	H12	1	4	4	2300	00	2300				
	21 F	H12	1	4	4	2300	00	2300				
Link spcg 250	21 Ga	H10	1	11	11	1825	51	490	340	130		
Link spcg 250	21 Gi	H10	1	11	11	600	22	130	340	60	130	
Beam 22	22 P	H12	1	4	4	2125	11	150	1990			
(type 8)	22 Q	H12	1	4	4	2125	11	150	1990			
Beam Width 600	22 Ga	H10	1	7	7	1825	51	490	340	130		
Beam Depth 450	22 Gi	H10	1	7	7	600	22	130	340	60	130	
Link spcg 250												
Link spcg 250												
Beam 23	23 A	H12	1	5	5	1325	11	150	1175			
(type 1)	23 B	H12	1	5	5	1325	11	150	1175			
Beam Width 600	23 C	H20	1	5	5	1650	11	200	1500			
Beam Depth 450	23 D	H20	1	5	5	1650	11	200	1500			
	23 E	H12	1	5	5	4400	00	4400				
	23 F	H25	1	5	5	4400	00	4400				
Link spcg 250	23 Ga	H10	1	19	19	1825	51	490	340	130		
Link spcg 250	23 Gi	H10	1	19	19	600	22	130	340	60	130	

All bending dimensions are in accordance with BS 8666:2005

* Specified to the nearest 25mm + Specified to the nearest 5mm



PLOT TYPE	THE TURNBERRY (MVHR VARIANT)
PLOT NUMBER	06, 07, 12 & 11 (H)
TENURE	PRIVATE

MECHANICAL NOTES

- 15Ø MWS TO WC WITH 100Ø PAN CONNECTION.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO BASIN WITH 32Ø TRAPPED WASTE.
- 15Ø MWS HEP20 PIPEWORK TO BATH WITH 40Ø TRAPPED WASTE & MIXER VALVE.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO SHOWER WITH 40Ø TRAPPED WASTE.
- INCOMING BURIED 32Ø MWS PIPEWORK ENTER HOUSE. STOPCOCK FITTED AT ACCESSIBLE LOCATION.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO WASHING MACHINE WITH 40Ø TRAPPED STANDPIPE.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO SINK WITH 40Ø TRAPPED WASTE.
- 15Ø MWS HEP20 PIPEWORK TO SERVE DISHWASHER WITH 40Ø STANDPIPE.
- COOKER RECIRCULATION UNIT TO BE CHOSEN BY KITCHEN SPECIALIST.
- SAFETY DISCHARGE & CONDENSATE FROM GAS BOILER AND HOT WATER CYLINDER PASSES THROUGH HOTUN HIFLO TUNDISH BEFORE CONNECTION TO SVP.
- 50Ø SVP/STUB STACK.
- 100Ø SVP/STUB STACK.
- IDEAL LOGIC + S30 SYSTEM GAS BOILER.
- THERMA Q EVOCYL - 300LITRE HIGH EFFICIENCY INDIRECT HOT WATER CYLINDER AND EXPANSION VESSEL.
- TITON HRV4.25 Q PLUS WALL MOUNTED MECHANICAL VENTILATION UNIT WITH HEAT RECOVERY.
- 100Ø MVHR SYSTEM CEILING MOUNTED AIR VALVE.
- 150Ø VERTICAL DUCTWORK TO AND FROM ATMOSPHERE RUNS THROUGH ROOF VOID AND TERMINATE AT ROOF LEVEL VENT.
- 22Ø MWS HEP20 PIPEWORK, 22Ø HWS HEP20 PIPEWORK FROM HOT WATER CYLINDER TO SERVE APPLIANCES.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK FROM HOT WATER CYLINDER TO SERVE APPLIANCES.
- 22Ø MAIN CIRCUIT HTG PIPEWORK FROM GAS BOILER TO 2NO. TWO PORT MOTORISED VALVES SERVING ZONE 1, ZONE 2 HTG ZONES AND INDIRECT CYLINDER COIL.
- 22Ø SECONDARY HEATING FLOW AND RETURN PIPEWORK TO SERVE INDIVIDUAL HEATING ZONES.
- 15Ø SECONDARY HEATING FLOW AND RETURN PIPEWORK TO SERVE INDIVIDUAL HEATING ZONES.
- WALL MOUNTED BIB TAP AT MID LEVEL.
- WALL MOUNTED GAS METER ENCLOSURE.
- INCOMING BURIED GAS PIPEWORK. SIZE TO BE CONFIRMED BY SUPPLIER.
- 100Ø SVP TERMINATE AT ROOF VENT.
- UNDERFLOOR HEATING MANIFOLD WITH CIRCULATION PUMP AND THERMOSTATIC MIXER VALVE.

PIPELINE TYPES

- PIPE AT LOW LEVEL
- PIPE AT HIGH LEVEL
- BURIED PIPE WORK

PIPEWORK COLOUR KEY

- COLD WATER
- HOT WATER
- GAS
- PRIMARY HEATING
- HEATING ZONE 1
- HEATING ZONE 2
- WASTE

DUCTWORK COLOUR KEY

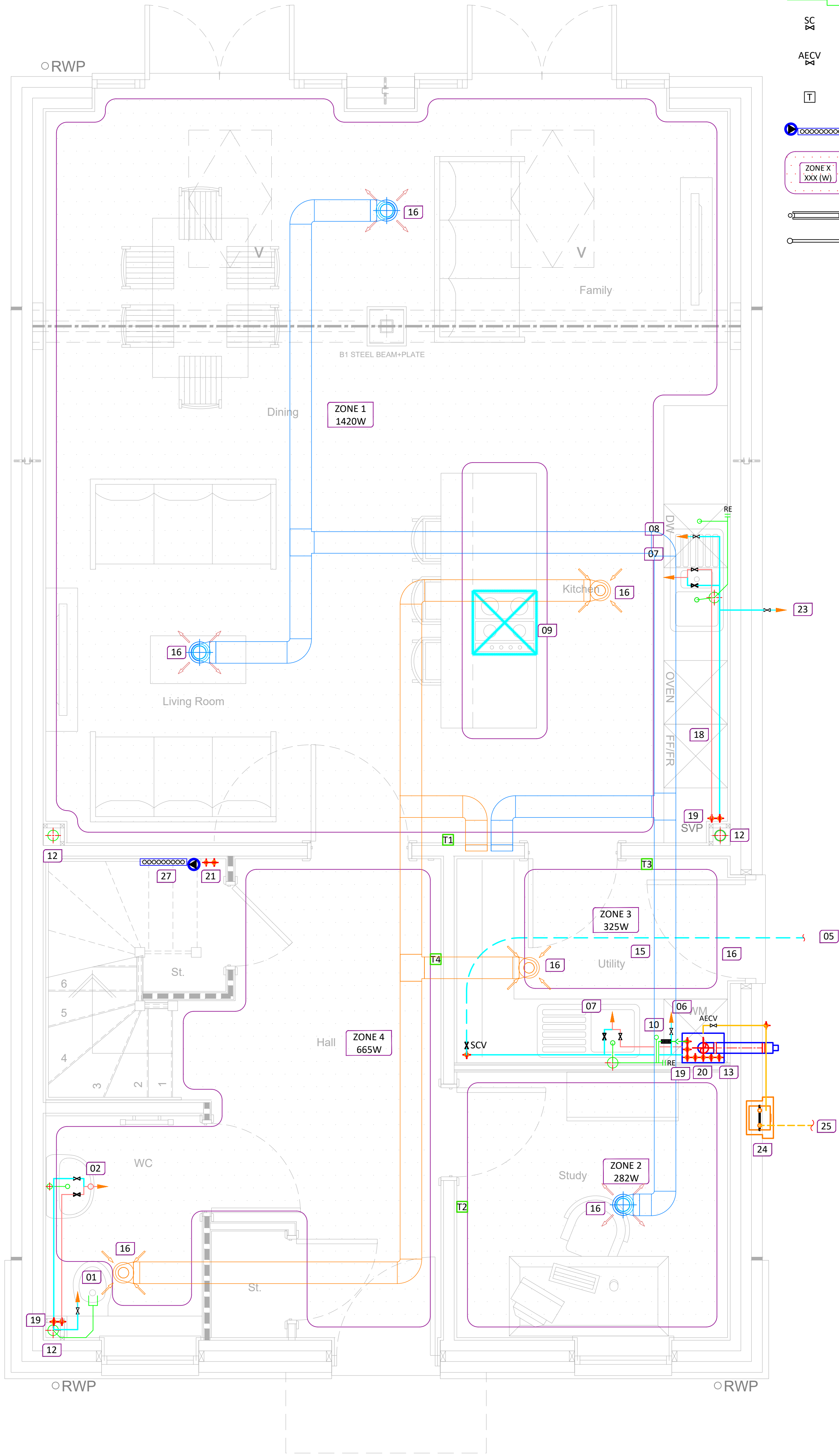
- 220mm x 90mm EXTRACT
- 220mm x 90mm SUPPLY
- 220mm x 90mm EXHAUST
- 220mm x 90mm INTAKE

DRAWING NOTES

- HEP20 PIPEWORK TO BE USED ON ALL HOT & COLD WATER AND HEATING SERVICES. PRESSURE RELIEF PIPEWORK SHALL BE RUN IN COPPER.
- DRAWING TO BE PRINTED IN COLOUR.

SYMBOL KEY

- SUPPLY WITH IV
- SUPPLY WITH THERMOSTATIC MIXER VALVE
- FIRE WRAP
- AIR VALVE
- SVP FLOOR MANIFOLD
- RODDING EYE
- TUNDISH
- HEPvO TRAP
- WASTE TRAP
- WC WASTE
- STOP COCK
- ADDITIONAL EMERGENCY CONTROL VALVE
- ZONE THERMOSTAT
- UFH MANIFOLD WITH CIRCULATION PUMP
- UNDERFLOOR HEATING ZONE
- PANEL RADIATOR
- TOWEL RAIL



P01	31.01.25	PRELIMINARY ISSUE	L.B.
Rev	Date	Description	Issued By

Client:

Bellway

Project:

REGENTS GATE
VIRGINIA WATER

Title:

THE TURNBERRY (MVHR VARIANT)
MECHANICAL SERVICES LAYOUT
GROUND FLOOR

Drawn:	Scale:	Sheet Size:	Checked:
M.D	1:25	A1	D.I

Drawing No: Project No Originator Zone Level File Type Role Doc No

1487 - ASH - TU - 00 - DR - M - 8013

Purpose of Issue:	Status:	Revision:
PRELIMINARY	S2	P01

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PLOT TYPE	THE TURNBERRY (MVHR VARIANT)
PLOT NUMBER	06, 07, 12 & 11 (H)
TENURE	PRIVATE

MECHANICAL NOTES

- 15Ø MWS TO WC WITH 100Ø PAN CONNECTION.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO BASIN WITH 32Ø TRAPPED WASTE.
- 15Ø MWS HEP20 PIPEWORK TO BATH WITH 40Ø TRAPPED WASTE & MIXER VALVE.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO SHOWER WITH 40Ø TRAPPED WASTE.
- INCOMING BURIED 32Ø MWS PIPEWORK ENTER HOUSE. STOPCOCK FITTED AT ACCESSIBLE LOCATION.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO WASHING MACHINE WITH 40Ø TRAPPED STANDPIPE.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK TO SINK WITH 40Ø TRAPPED WASTE.
- 15Ø MWS HEP20 PIPEWORK TO SERVE DISHWASHER WITH 40Ø STANDPIPE.
- COOKER RECIRCULATION UNIT TO BE CHOSEN BY KITCHEN SPECIALIST.
- SAFETY DISCHARGE & CONDENSATE FROM GAS BOILER AND HOT WATER CYLINDER PASSES THROUGH HOTUN HIFLO TUNDISH BEFORE CONNECTION TO SVP.
- 50Ø SVP/STUB STACK.
- 100Ø SVP/STUB STACK.
- IDEAL LOGIC + S30 SYSTEM GAS BOILER.
- THERMA Q EVOCYL - 300LITRE HIGH EFFICIENCY INDIRECT HOT WATER CYLINDER AND EXPANSION VESSEL.
- TITON HRV4.25 Q PLUS WALL MOUNTED MECHANICAL VENTILATION UNIT WITH HEAT RECOVERY.
- 100Ø MVHR SYSTEM CEILING MOUNTED AIR VALVE.
- 150Ø VERTICAL DUCTWORK TO AND FROM ATMOSPHERE RUNS THROUGH ROOF VOID AND TERMINATE AT ROOF LEVEL VENT.
- 22Ø MWS HEP20 PIPEWORK, 22Ø HWS HEP20 PIPEWORK FROM HOT WATER CYLINDER TO SERVE APPLIANCES.
- 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK FROM HOT WATER CYLINDER TO SERVE APPLIANCES.
- 22Ø MAIN CIRCUIT HTG PIPEWORK FROM GAS BOILER TO 2NO. TWO PORT MOTORISED VALVES SERVING ZONE 1, ZONE 2 HTG ZONES AND INDIRECT CYLINDER COIL.
- 22Ø SECONDARY HEATING FLOW AND RETURN PIPEWORK TO SERVE INDIVIDUAL HEATING ZONES.
- 15Ø SECONDARY HEATING FLOW AND RETURN PIPEWORK TO SERVE INDIVIDUAL HEATING ZONES.
- WALL MOUNTED BIB TAP AT MID LEVEL.
- WALL MOUNTED GAS METER ENCLOSURE.
- INCOMING BURIED GAS PIPEWORK. SIZE TO BE CONFIRMED BY SUPPLIER.
- 100Ø SVP TERMINATE AT ROOF VENT.
- UNDERFLOOR HEATING MANIFOLD WITH CIRCULATION PUMP AND THERMOSTATIC MIXER VALVE.

PIPELINE TYPES

- PIPE AT LOW LEVEL
- PIPE AT HIGH LEVEL
- BURIED PIPE WORK

PIPEWORK COLOUR KEY

- COLD WATER
- HOT WATER
- GAS
- PRIMARY HEATING
- HEATING ZONE 1
- HEATING ZONE 2
- WASTE

DUCTWORK COLOUR KEY

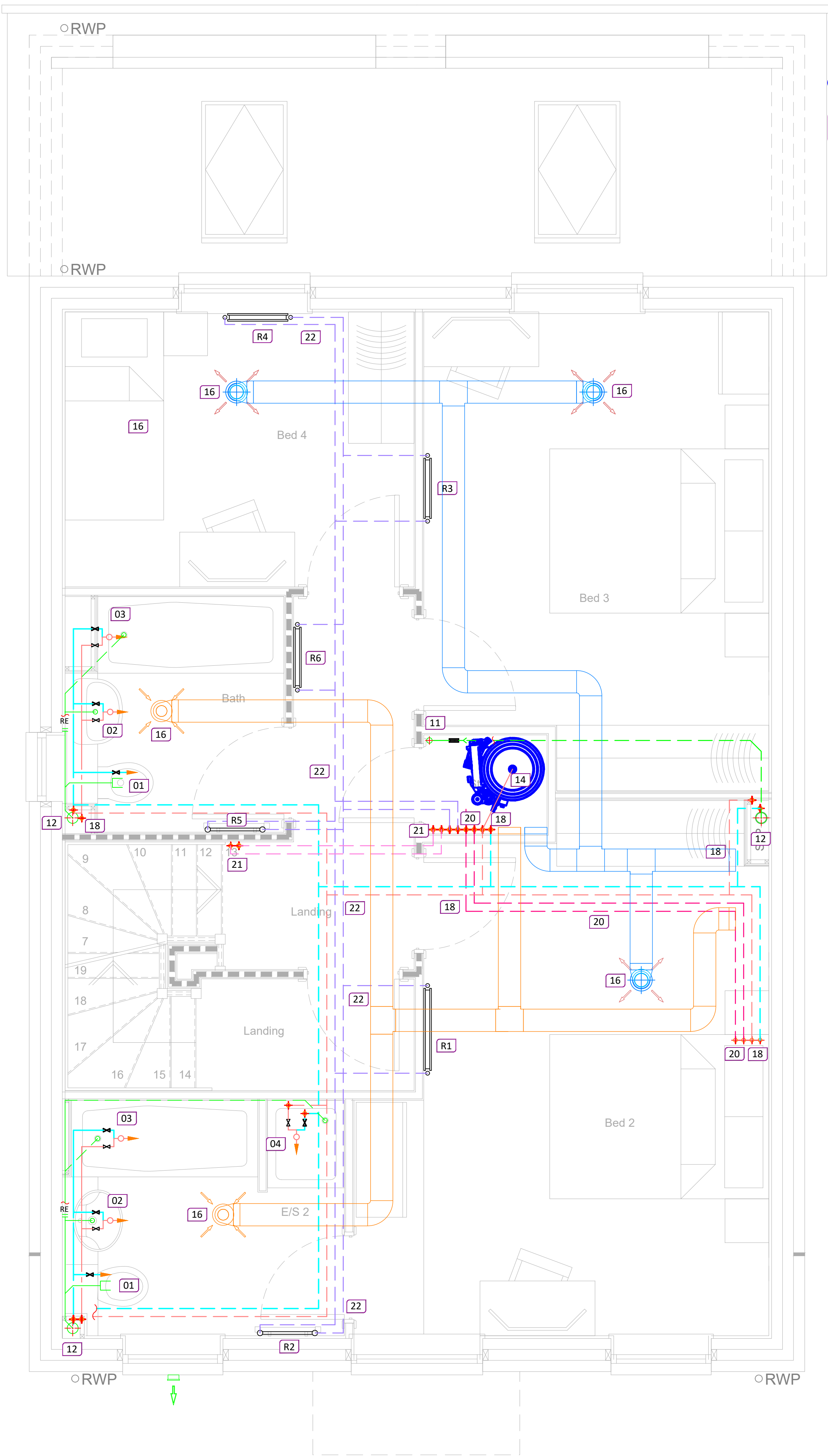
- 220mm x 90mm EXTRACT
- 220mm x 90mm SUPPLY
- 220mm x 90mm EXHAUST
- 220mm x 90mm INTAKE

DRAWING NOTES

- HEP20 PIPEWORK TO BE USED ON ALL HOT & COLD WATER AND HEATING SERVICES. PRESSURE RELIEF PIPEWORK SHALL BE RUN IN COPPER.
- DRAWING TO BE PRINTED IN COLOUR.

SYMBOL KEY

- SUPPLY WITH IV
- SUPPLY WITH THERMOSTATIC MIXER VALVE
- FIRE WRAP
- AIR VALVE
- SVP FLOOR MANIFOLD
- RODDING EYE
- TUNDISH
- HEPvO TRAP
- WASTE TRAP
- WC WASTE
- STOP COCK
- ADDITIONAL EMERGENCY CONTROL VALVE
- ZONE THERMOSTAT
- UFH MANIFOLD WITH CIRCULATION PUMP
- UNDERFLOOR HEATING ZONE
- PANEL RADIATOR
- TOWEL RAIL



P01	31.01.25	PRELIMINARY ISSUE	L.B.
Rev	Date	Description	Issued By

Client:

Bellway

Project:

REGENTS GATE
VIRGINIA WATER

Title:

THE TURNBERRY (MVHR VARIANT)
MECHANICAL SERVICES LAYOUT
FIRST FLOOR

Drawn:	Scale:	Sheet Size:	Checked:
M.D	1:25	A1	D.I

Drawing No: Project No Originator Zone Level File Type Role Doc No

1487 - ASH - TU - 01 - DR - M - 8113

Purpose of Issue:	Status:	Revision:
PRELIMINARY	S2	P01

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PLOT TYPE	THE TURNBERRY (MVHR VARIANT)
PLOT NUMBER	06, 07, 12 & 11 (H)
TENURE	PRIVATE





MECHANICAL NOTES

1. 150Ø MWS TO WC WITH 100Ø PAN CONNECTION.
2. 150Ø MWS HEP20 PIPEWORK, 150Ø HWS HEP20 PIPEWORK TO BASIN WITH 32Ø TRAPPED WASTE.
3. 150Ø MWS HEP20 PIPEWORK TO BATH WITH 40Ø TRAPPED WASTE & MIXER VALVE.
4. 150Ø MWS HEP20 PIPEWORK, 150Ø HWS HEP20 PIPEWORK TO SHOWER WITH 40Ø TRAPPED WASTE.
5. INCOMING BURIED 32Ø MWS PIPEWORK ENTER HOUSE. STOPCOCK FITTED AT ACCESSIBLE LOCATION
6. 150Ø MWS HEP20 PIPEWORK, 150Ø HWS HEP20 PIPEWORK TO WASHING MACHINE WITH 40Ø TRAPPED STANDPIPE.
7. 150Ø MWS HEP20 PIPEWORK, 150Ø HWS HEP20 PIPEWORK TO SINK WITH 40Ø TRAPPED WASTE.
8. 150Ø MWS HEP20 PIPEWORK TO SERVE DISHWASHER WITH 40Ø STANDPIPE.
9. COOKER RECIRCULATION UNIT TO BE CHOSEN BY KITCHEN SPECIALIST.
10. SAFETY DISCHARGE & CONDENSATE FROM GAS BOILER AND HOT WATER CYLINDER PASSES THROUGH HOTUFI HINDI TUNDISH BEFORE CONNECTION TO SVP.
11. 50Ø SVP/STUB STACK.
12. 100Ø SVP/STUB STACK.
13. IDEAL LOGIC + S30 SYSTEM GAS BOILER.
14. THERMA Q EVOCLY - 300LITRE HIGH EFFICIENCY INDIRECT HOT WATER CYLINDER AND EXPANSION VESSEL.
15. TITON HRV4.25 Q PLUS WALL MOUNTED HEATING RADIATOR UNIT WITH HEAT RECOVERY.
16. 100Ø MVHR SYSTEM CEILING MOUNTED AIR VALVE.
17. 150Ø VERTICAL DUCTWORK TO AND FROM ATMOSPHERE RUNS THROUGH ROOF VOID AND TERMINATE AT ROOF LEVEL VENT.
18. 22Ø MWS HEP20 PIPEWORK, 22Ø HWS HEP20 PIPEWORK FROM HOT WATER CYLINDER TO SERVE APPLIANCES.
19. 15Ø MWS HEP20 PIPEWORK, 15Ø HWS HEP20 PIPEWORK FROM HOT WATER CYLINDER TO SERVE APPLIANCES.
20. 22Ø MAIN CIRCUIT HTG PIPEWORK FROM GAS BOILER TO ZNO. TWO PORT MOTORISED VALVES SERVING ZONE 1, ZONE 2 HTG ZONES AND INDIRECT CYLINDER COIL.
21. 22Ø SECONDARY HEATING FLOW AND RETURN PIPEWORK TO SERVE INDIVIDUAL HEATING ZONES.
22. 15Ø SECONDARY HEATING FLOW AND RETURN PIPEWORK TO SERVE INDIVIDUAL HEATING ZONES.
23. WALL MOUNTED BIB TAP AT MID LEVEL.
24. WALL MOUNTED GAS METER ENCLOSURE.
25. INCOMING BURIED GAS PIPEWORK. SIZE TO BE CONFIRMED BY SUPPLIER.
26. 100Ø SVP TERMINATE AT ROOF VENT.
27. UNDERFLOOR HEATING MANIFOLD WITH CIRCULATION PUMP AND THERMOSTATIC MIXER VALVE.

PIPELINE TYPES

- PIPE AT LOW LEVEL
 PIPE AT HIGH LEVEL
 BURIED PIPE WORK

PIPEWORK COLOUR KEY

- | | |
|---|-----------------|
| | COLD WATER |
|  | HOT WATER |
|  | GAS |
| | PRIMARY HEATING |
| | HEATING ZONE 1 |
|  | HEATING ZONE 2 |
|  | WASTE |

DUCTWORK COLOUR KEY

- 220mm x 90mm EXTRACT
- 220mm x 90mm SUPPLY
- 220mm x 90mm EXHAUST
- 220mm x 90mm INTAKE

DRAWING NOTES

1. HEP20 PIPEWORK TO BE USED ON ALL HOT & COLD WATER AND HEATING SERVICES. PRESSURE RELIEF PIPEWORK SHALL BE RUN IN COPPER.
2. DRAWING TO BE PRINTED IN COLOUR.

P01	31.01.25	PRELIMINARY ISSUE	L.B.
Rev	Date	Description	Issued By
Client:			

Client:

Bellway

Project

REGENTS GATE
VIRGINIA WATER

Title:

THE TURNBERRY (MVHR VARIANT)
MECHANICAL SERVICES LAYOUT
SECOND FLOOR

Drawn: M.D	Scale: 1:25	Sheet Size: A1	Checked: D.I
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Drawing No:

Project No	Originator	Zone	Level	File Type	Role	Doc No
1487	ASH	TU	02	DR	M	8213

Purpose of Issue:	Status:	Revision:
PRELIMINARY	S2	P01

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