

**KEY - GENERAL:**

--- SERVICES AT LOW LEVEL.  
 - - - SERVICES BELOW FLOOR.  
 - - - SERVICES IN CEILING VOID.  
 • SERVICES IN VERTICAL (RISER).

H/L - HIGH LEVEL. L/L - LOW LEVEL.  
 F/A - FROM ABOVE. F/B - FROM BELOW.  
 T/A - TO ABOVE. T/B - TO BELOW.

**KEY - SOIL:**

SVP SOIL & VENT PIPE STACK.  
 VP VENT PIPE STACK.  
 SS STUB STACK.  
 RWP RAIN WATER PIPE STACK.  
 RWO RAIN WATER OUTLET STACK.

⊙ X F/A-T/B STACK ORIGINATING FROM ABOVE AND CONTINUING TO BELOW.  
 ⊙ X T/B STACK CONTINUING TO BELOW.  
 ⊙ SVP AAV SOIL & VENT STACK, TERMINATING WITH AIR ADMITTANCE VALVE, AND CONTINUING TO BELOW.  
 ⊙ X F/A-SETS STACK ORIGINATING FROM ABOVE AND SETTING ACROSS.  
 ⊙ B/C BRANCH CONNECTION  
 ⊕ G GULLY - ROUND  
 ⊗ G GULLY - SQUARE

**NOTE:**  
 - ALL STACKS ARE 100mm UNLESS OTHERWISE NOTED.  
 - RAINWATER STACKS OUTSIDE THE BUILDING ARE 75mm UNLESS OTHERWISE NOTED.

**KEY - SOIL CONNECTIONS:**

SOIL AND WASTE CONNECTIONS TO STACKS GENERALLY AS FOLLOWS:

- B BATH: 40mm WASTE TO STACK.
- Ba BASIN: 32mm WASTE TO STACK.\*
- Bi BIDET: 40mm WASTE TO STACK.
- C BOILER CONDENSATE: 19mm PIPE CONNECTS TO SINK/WASHING MACHINE TRAP.
- FC FCU CONDENSATE:
- CD HWC DISCHARGE: 32mm POLYPROPYLENE PIPE CONNECTS TO STACK VIA HEVPO TRAP
- DW DISHWASHER: 40mm STANDPIPE AND WASTE TO STACK.
- HD HIU PRESSURE-RELIEF DISCHARGE: 32mm POLYPROPYLENE PIPE CONNECTS TO STACK VIA HEVPO TRAP
- S SINK: 40mm WASTE TO STACK.
- Sh SHOWER: 40mm WASTE TO STACK.
- Sh SHOWER FLOOR DRAIN: 50mm WASTE TO STACK BELOW OR DIRECT TO DRAIN.
- Ur URINAL: 40mm WASTE TO STACK.
- VD HEAT RECOVERY UNIT: 19mm VENTILATION UNIT CONDENSATE DRAIN CONNECT TO SVP/STACK VIA DRY TRAP.
- WC WC: 100mm SOIL TO STACK.
- WM WASHING MACHINE: 40mm STANDPIPE AND WASTE TO STACK.

\* FOR LONGER BASIN BRANCH RUNS WASTE PIPE TO BE INCREASED TO 40\* OR 50\* TO COMPLY WITH REQUIREMENTS OF BS.


**NOTE:**  
 CUTTING OF ORIGINAL PRINCIPAL JOIST TO BE AVOIDED. SERVICES TO RUN WITHIN 'PACKER' ZONE ABOVE JOIST.

**CONSTRUCTION**

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| Rev | Date     | CAD | Chk'd | Description                 |
|-----|----------|-----|-------|-----------------------------|
| T6  | 09.09.19 | ASP | AP    | REVISED ARC T6 TENDER ISSUE |
| T5  | 23.07.19 | TJ  | AP    | REVISED ARC T5 TENDER ISSUE |
| T4  | 21.05.19 | DJB | AP    | REVISED ARC T4 TENDER ISSUE |
| T3  | 03.05.19 | JFC | AP    | ARCH T4 TENDER ISSUE        |
| T2  | 16.02.19 | RAD | AP    | TENDER ISSUE                |
| T1  | 10.12.18 | RAD | AP    | TENDER ISSUE                |
| P1  | 13.11.18 | RAD | AP    | PRELIMINARY ISSUE           |
| Rev |          |     |       |                             |

NOTES:  
 1. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY AND CHECK ALL DIMENSIONS ON SITE.  
 2. THE FOLLOWING INFORMATION PROVIDED IN ACCORDANCE WITH REGULATIONS 9 OF THE CDM REGULATIONS 2015. DESIGNERS' RISK ASSESSMENT HAS NOT IDENTIFIED ANY UNUSUAL RISK FOR THIS DRAWING.  
 • REFER TO PROJECT HEALTH & SAFETY INFORMATION PRODUCED BY THE PRINCIPLE DESIGNER.  
 3. SEE SERVICES SPECIFICATION FOR FULL DETAILS.

|  |  |  |            |                  |                 |
|--|--|--|------------|------------------|-----------------|
| Client<br><b>BANDA PROPERTY LTD</b>                            |  | <br>Edelman House, 1238 High Road, London N20 0LH<br>Tel: 020 8446 9696 Fax: 020 8446 9900<br>E-Mail: enquiries@mwf-group.com |            |                  |                 |
| Architect<br><b>JAMES GORST ARCHITECTS LTD</b>                 |  |  |            |                  |                 |
| Project<br><b>3 FITZROY SQUARE LONDON W1T 5HG</b>              |  | Scale<br>1:50  | Size<br>A1 | Engineer<br>AP   | Date<br>NOV '18 |
| Drawing<br><b>THIRD FLOOR SOIL &amp; WASTE SERVICES LAYOUT</b> |  | Drawing No.<br><b>2464-52-03</b>   |            | Rev<br><b>C1</b> |                 |