

THIS DRAWING IS THE PROPERTY OF DELAP & WALLER AND MAY ONLY BE USED WITH THEIR WRITTEN APPROVAL.

DO NOT SCALE FROM THIS DRAWING.

**GENERAL NOTES.**

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

THIS DRAWING IS NOT AN INSTALLATION DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRODUCTION OF FABRICATION AND INSTALLATION DRAWINGS. SHALL BE FAMILIAR WITH OTHER WORKS PACKAGES WHICH DIRECTLY INTERFERE WITH HIS PACKAGE AND COORDINATE WITH THE FABRICATION AND INSTALLATION DRAWINGS ACCORDINGLY.

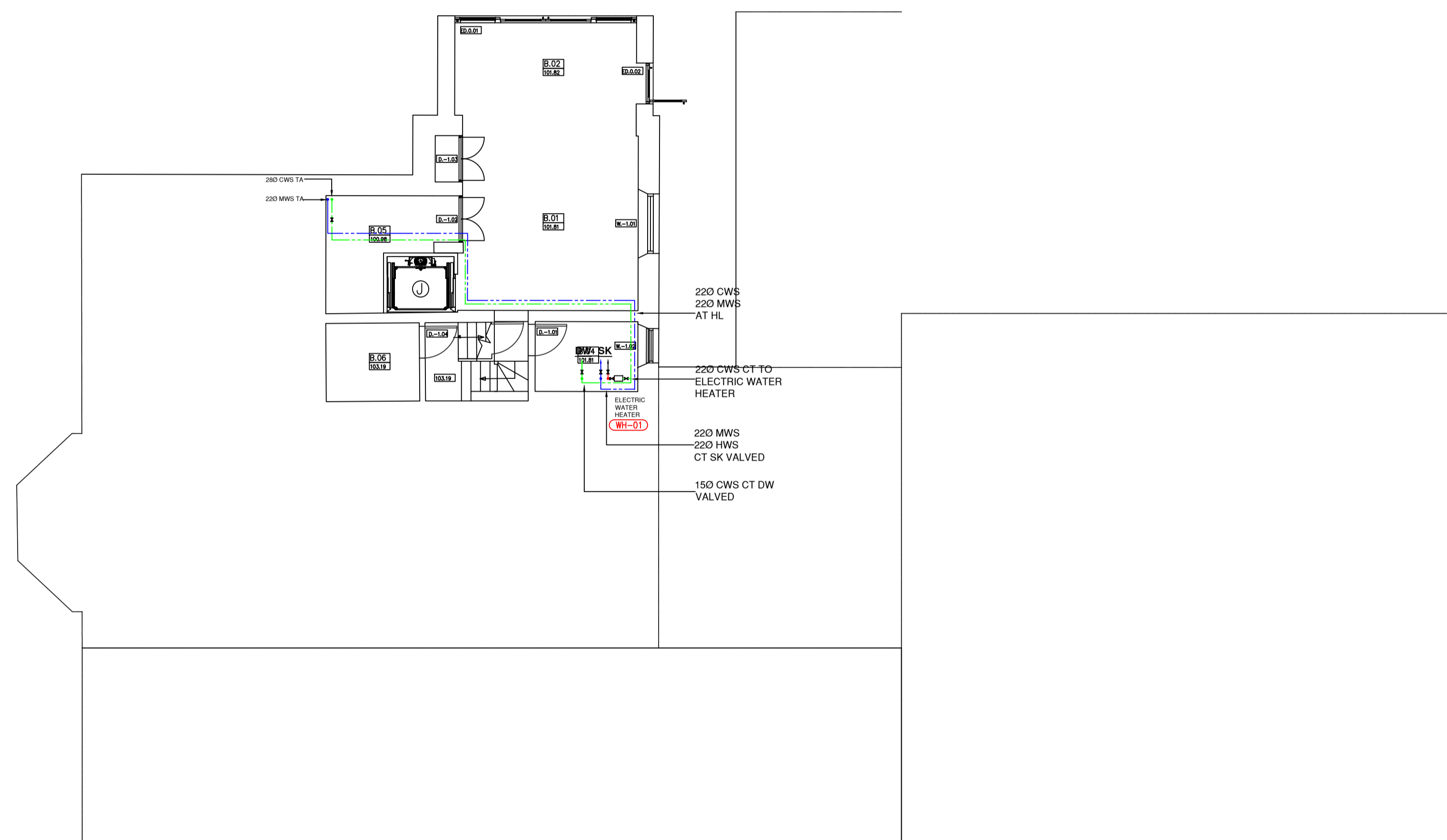
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, SUPPLY AND INSTALLATION OF SUPPORTS, BRACKETING SYSTEMS AND SECONDARY STEELWORK SUPPORTS REQUIRED FOR THIS WORKS PACKAGE, UNLESS OTHERWISE STATED.

SHOULD ANY DISCREPANCIES BE APPARENT IN THIS DRAWING, THE ENGINEER SHALL BE MADE AWARE OF THIS FOR FURTHER ACTION.

**LEGEND**

- PIPEWORK IN CEILING SPACE
- PIPEWORK AT HIGH LEVEL
- PIPEWORK AT LOW LEVEL
- PIPEWORK IN FLOOR VOID
- HWS
- HWR
- MWS
- CWS

- IV ISOLATING VALVE
- M WATER METER
- PRV PRESSURE REDUCING VALVE
- NRV NON RETURN VALVE
- DTLL DROP TO LOW LEVEL
- TA TO ABOVE
- FA FROM ABOVE
- TB TO BELOW
- FB FROM BELOW
- MWS MAIN WATER SERVICES
- CWS COLD WATER SERVICES
- BCWS BOOSTED COLD WATER SERVICES
- HWS HOT WATER SERVICES
- HWS HOT WATER RETURN
- EWHE ELECTRIC WATER HEATER
- CWST COLD WATER STORAGE TANK



**WATER SERVICES NOTES:**

1. VALVES 50mm AND SMALLER TO BE GIACOMINI BALL TYPE R750D OR EQUAL & APPROVED.
2. VALVES 65mm AND GREATER TO BE FLANGE GUNMETAL GATE VALVES TO BS 5154.
3. BALLOFIX VALVES TO BE FITTED ON CONNECTIONS TO EACH FIXTURE.
4. FINAL VALVE POSITIONS TO BE AGREED FOR ACCESS/CONCEALMENT DETAILS.
5. ALL PIPEWORK TO BE LAID IN CURVES TO ALLOW FOR EXPANSION.
6. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS & SPECIFICATIONS.
7. THE COLD TAP SHALL ALWAYS BE INSTALLED ON THE RIGHT HANDSIDE OF SINKS & WASH HAND BASINS.
8. ALL PIPEWORK IN UN-HEATED SPACE TO BE INSULATED WITH 18MM WALL THICKNESS.
9. PIPEWORK ROUTES ARE INDICATIVE AND FOR PRICING PURPOSES ONLY.

T01	DP	ISSUED FOR TENDER	22.08.2025
T	JW	ISSUED FOR TENDER	05.06.2025

REV	BY	DESCRIPTION	DATE
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**PROJECT:**  
22195  
DAN BREEN HOUSE  
TIPPERARY



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**CLIENT:**  
TIPPERARY COUNTY COUNCIL  
NORTH TIPPERARY CIVIC OFFICES, LIMERICK ROAD,  
KNOCKANPIERCE, NENAGH, CO. TIPPERARY

**ARCHITECT:**  
ROBIN LEE ARCHITECTURE

<b>SCALE AT A1:</b> 1:100	<b>CHK:</b> JW	<b>APP:</b> JW
	<b>DES:</b> SVB	<b>DRW:</b> SVB

**WORK PACKAGE:**  
M&E DESIGN

**DRAWING TITLE:**  
WATER SERVICES LAYOUT-  
LOWER GROUND FLOOR

**DRAWING NUMBER:**  
22195-LLG-DR-DLW-M-200

<b>STATUS:</b> TENDER	<b>REV:</b> T01
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