A1

10 L UNDERSINK HEATER COMPLETE WITH DRIP TRAY AND MIXING VALVE CONNECTION UNDERSINK

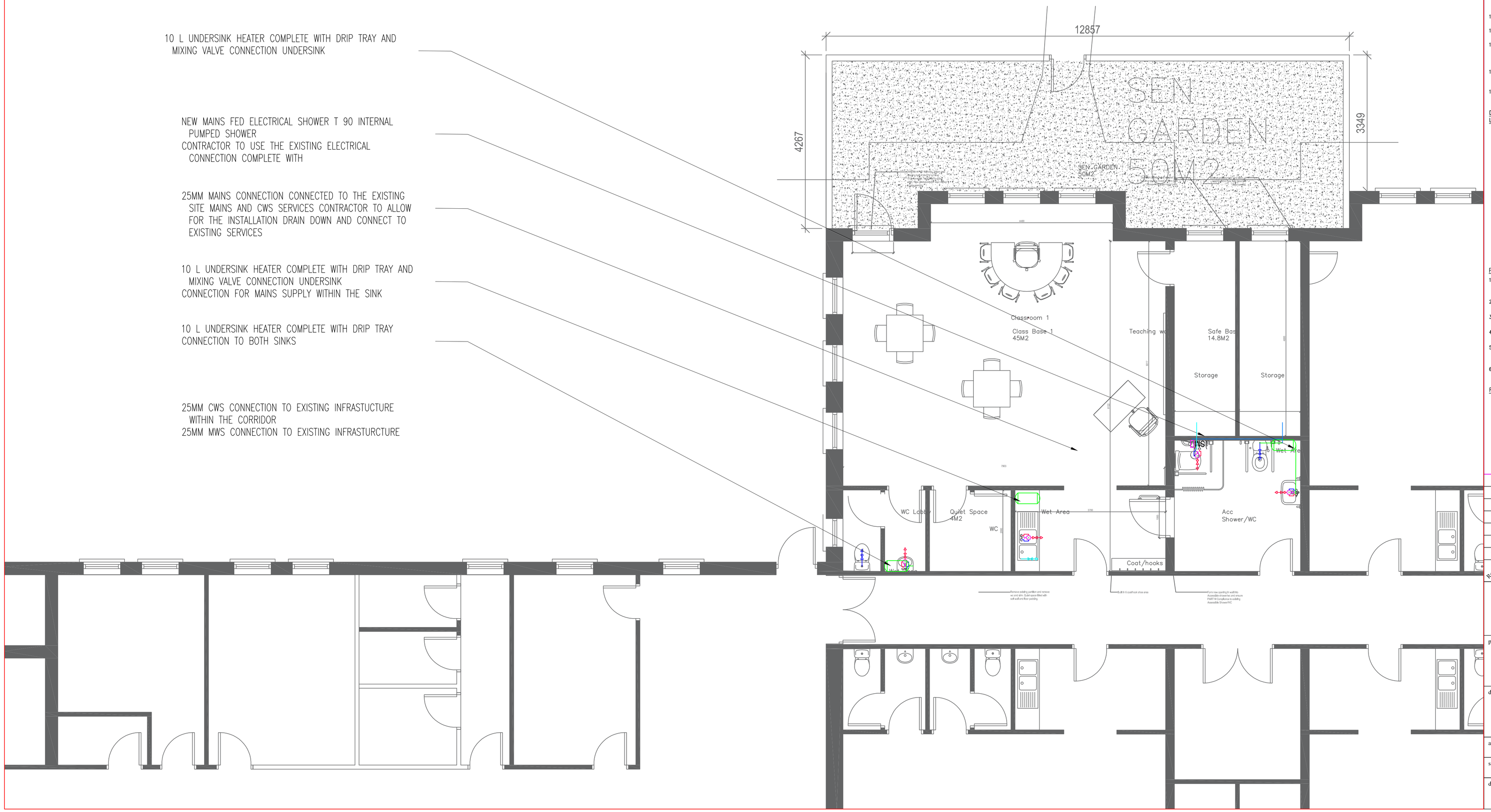
NEW MAINS FED ELECTRICAL SHOWER T 90 INTERNAL PUMPED SHOWER
CONTRACTOR TO USE THE EXISTING ELECTRICAL CONNECTION COMPLETE WITH

25MM MAINS CONNECTION CONNECTED TO THE EXISTING SITE MAINS AND CWS SERVICES CONTRACTOR TO ALLOW FOR THE INSTALLATION DRAIN DOWN AND CONNECT TO EXISTING SERVICES

10 L UNDERSINK HEATER COMPLETE WITH DRIP TRAY AND MIXING VALVE CONNECTION UNDERSINK
CONNECTION FOR MAINS SUPPLY WITHIN THE SINK

10 L UNDERSINK HEATER COMPLETE WITH DRIP TRAY
CONNECTION TO BOTH SINKS

25MM CWS CONNECTION TO EXISTING INFRASTUCTURE WITHIN THE CORRIDOR
25MM MWS CONNECTION TO EXISTING INFRASTURCTURE



GENERAL NOTES

1) Do not scale services equipment from this drawing.
2) All dimensions should be checked on site.
3) Any drawing errors or divergences should be brought to the attention of Geaney Engineering Consultants at the address shown below.
4) Drawing to be read in conjunction with all other drawings and documentation.

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES FULLY WITH ALL TRADES BEFORE COMMENCING WORK.
3. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON SITE.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW PROPER CO-ORDINATION OF ALL SERVICES.
5. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
6. EXACT LOCATION OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCEMENT ON SITE.
7. ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER PRICE.
8. SAMPLE OF ALL EQUIPMENT SHALL BE APPROVED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.

DOMESTIC WATER SERVICES NOTES:

1. PROVIDE BALLOFIX VALVES ON ALL FINAL CONNECTIONS TO FIXTURES.
2. ALLOW FOR DRAIN COCKS AT END OF ALL LOW LEVEL PIPEWORK BRANCHES.
3. PIPEWORK DROPS SHALL BE SURFACE MOUNTED (BOXED IN) UNLESS INDICATED OTHERWISE.
4. SURFACE MOUNTED PIPEWORK DROPS ARE NOT PERMITTED IN CORRIDORS.
5. ALL EXPOSED SURFACE PIPEWORK TO FIXTURES SHALL BE CHROME PLATED.
6. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PIPEWORK.
7. ALL PIPEWORK IN PLANT ROOMS, ATTIC SPACES, CEILING VOIDS AND SERVICES RISERS SHALL BE INSULATED AS SPECIFIED IN THE TENDER DOCUMENTS.
8. PIPEWORK RUN AT HIGH LEVEL SHALL GENERALLY BE MOUNTED IN M10 PIPEWORK CLIPS C/W INSULATION INSERTS (FLAMCO OR EQUIVALENT) OR M1 BRACKETS C/W EPDM INSULATION INSERTS MOUNTED ON GALVANISED STEEL SUPPORTS. ALL SUPPORTS SHALL BE SECURED TO THE STRUCTURE. LIAISE WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING WORKS.
9. CONNECT HWSR TO HWSF WITHIN 0.6 METRES OF OUTLETS.
10. ALL SANITARY WARE & TMV'S SHALL BE TMV3 DOB COMPLIANT.
11. HOT WATER FROM TMV'S TO BE SET AT 43°C MAXIMUM.
12. DOMESTIC WATER SERVICES PIPEWORK SHALL BE COPPER EXCLUDING PIPEWORK IN FLOOR AND MAINS WATERS PIPEWORK.
13. MAINS WATER PIPEWORK SHALL BE NON-METALLIC PIPEWORK – PLASTIC BARRIER PIPEWORK, MULTILAYER COMPOSITE PIPE SUITABLE FOR POTABLE WATER.
14. COLD & HOT WATER SERVICE PIPES IN THE FLOOR INSULATION ZONE SHALL BE PRE-INSULATED PEX-AL-PEX SUITABLE FOR POTABLE WATER IN CONTINUOUS LENGTHS – NO JOINTS.
15. MAINTAIN MINIMUM SEPARATION OF 300mm BETWEEN HEATING PIPEWORK AND DOMESTIC WATER SERVICES PIPEWORK IN THE FLOOR.
16. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR OFFSETS IN PIPEWORK AS REQUIRED FOR COORDINATION WITH SERVICE OPENINGS, STRUCTURAL ELEMENTS AND OTHER SERVICES.
17. ALL PIPED SERVICES PENETRATIONS THROUGH WALLS AND FIRE COMPARTMENTS SHALL BE SLEEVED. SLEEVES SHALL BE IN ONE LENGTH AND SHALL BE FIXED SQUARE AND FLUSH WITH THE SURFACE OF THE FINISHED WALL/COMPARTMENT. THE SLEEVES SHALL BE BUILT INTO THE WALL/COMPARTMENT AND SUITABLY FIRE SEALED.
18. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRAINING DOWN THE EXISTING DOMESTIC WATER SERVICES SYSTEM AS REQUIRED TO FACILITATE WORKS AND FOR REFILLING AS REQUIRED FOLLOWING COMPLETION OF WORKS.
19. FINAL LOCATION OF ALL CONNECTIONS TO EXISTING SYSTEMS TO BE AGREED ON SITE PRIOR TO COMMENCEMENT OF WORK. MODIFICATIONS TO EXISTING SYSTEMS TO BE AGREED WITH THE BUILDING SERVICES ENGINEER PRIOR TO COMMENCING WORKS.

DOMESTIC WATER SERVICES LEGEND:

- WATER SERVICES FIXTURE OUTLET/CONNECTION
- TMV — THERMOSTATIC MIXING VALVE
- SM — SHOWER MIXER
- EP — EXTERNAL MAINS WATER DRINKING POINT 304 STAINLESS STEEL WITH CHROME PLATED PRESS BUTTON TAP AND ROUNDED FRONT SAFETY EDGE
- PIPE BELOW FLOOR/GROUND AS INDICATED
- PIPE AT LOW LEVEL
- PIPE AT HIGH LEVEL
- PIPE AT HIGH LEVEL CONCEALED IN CEILING VOID/ATTIC SPACE

FIRE FIGHTING NOTES:

1. FIRE EXTINGUISHER INSTALLATION SHALL BE IN ACCORDANCE WITH I.S. 291:2015 'SELECTION, COMMISSIONING, INSTALLATION, INSPECTION AND MAINTENANCE OF PORTABLE FIRE EXTINGUISHERS'.
2. ALL ELECTRICAL DISTRIBUTION BOARDS SHALL HAVE A CARBON DIOXIDE FIRE EXTINGUISHER LOCATED ADJACENT TO THEM.
3. EXTINGUISHERS MUST NOT BE PLACED OVER, OR ADJACENT TO RADIATORS OR HEAT EMITTING APPLIANCES.
4. EXTINGUISHERS MUST NOT BE LOCATED WHERE THEY MAY BE EXPOSED TO CORROSIVE ATMOSPHERES OR TO SPLASHING BY CORROSIVE FLUIDS.
5. ALL FIRE POINTS SHALL HAVE SUITABLE SIGNAGE WHICH MARK LOCATIONS IN ACCORDANCE WITH I.S. 291 2015 AND THE SAFETY, HEALTH AND WELFARE AT WORK ACT (1995) REGULATIONS. PARTICULAR ATTENTION SHOULD BE PAID TO FIRE POINTS NOT IN DIRECT VIEW.
6. EXTINGUISHER I.D TAGS SHALL BE DISPLAYED ABOVE EACH EXTINGUISHER WHICH EXPLAINS USES AND HAZARDS IN ACCORDANCE WITH I.S. 291 2015.

FIRE FIGHTING LEGEND:

- A — PORTABLE FIRE EXTINGUISHER - AFFF FOAM (6 LITRE CAPACITY)
- B — PORTABLE FIRE EXTINGUISHER - CARBON DIOXIDE (2KG CAPACITY)
- C — PORTABLE FIRE EXTINGUISHER - DRY POWDER (6KG CAPACITY)
- FB — FIRE BLANKET

Revision	Description	Date	Drawn	Checked
T1	Tender Issue	09.10.26	NB	JG

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SEN Upgrade

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