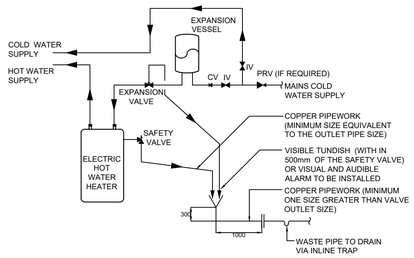
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CHECK ON SITE AND REPORT ALL DISCREPANCIES TO CLARK DEGNAN LIMITED.

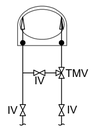
LEGEND

	PIPEWORK BELOW G
	PIPEWORK AT LOW L
	PIPEWORK AT HIGH L
	PIPEWORK IN CEILIN
	DIRECTION OF FLOW
	PIPEWORK RISES/ DR
	PIPEWORK RISES/ DR VALVE
B	BLENDED WATER OU
H	HOT WATER OUTLET
C	COLD WATER OUTLE
IV	ISOLATION VALVE
PRV	PRESSURE REDUCIN INTEGRAL STRAINER
DCV	DOUBLE CHECK VALV
LSV	LOCKSHIELD VALVE
M	MOTORISED VALVE
	DRAIN VALVE
TMV	THERMOSTATIC MIXII
SMV	SHOWER MIXING VAL
FC	FLEXIBLE CONNECTI
A	ANCHOR POINT
	EXPANSION BELLOW
G	EXPANSION GUIDE
P	PRESSURE GAUGE
T	TEMPERATURE GAUC
T	TEMPERATURE SENS
P	PRESSURE SENSOR
Pd	DIFFERENTIAL PRESS SWITCH
M	METER
BMS	BMS LINK
C	SPACE CONTROLLER
RTHL	RISE TO HIGH LEVEL
RTA	RISE TO ABOVE
RFB	RISE FROM BELOW
DTLL	DROP TO LOW LEVEL
DFA	DROP FROM ABOVE
DFB	DROP TO BELOW
CV	CEILING VOID
HL	HIGH LEVEL
LL	LOW LEVEL
DW	DISH WASHER
WM	WASHING MACHINE
BT	BIB TAP
WB	WATER BOILER
SK	SINK
WHB	WASH HAND BASIN
SH	SHOWER
UR	URINAL
WC	WC CISTERN

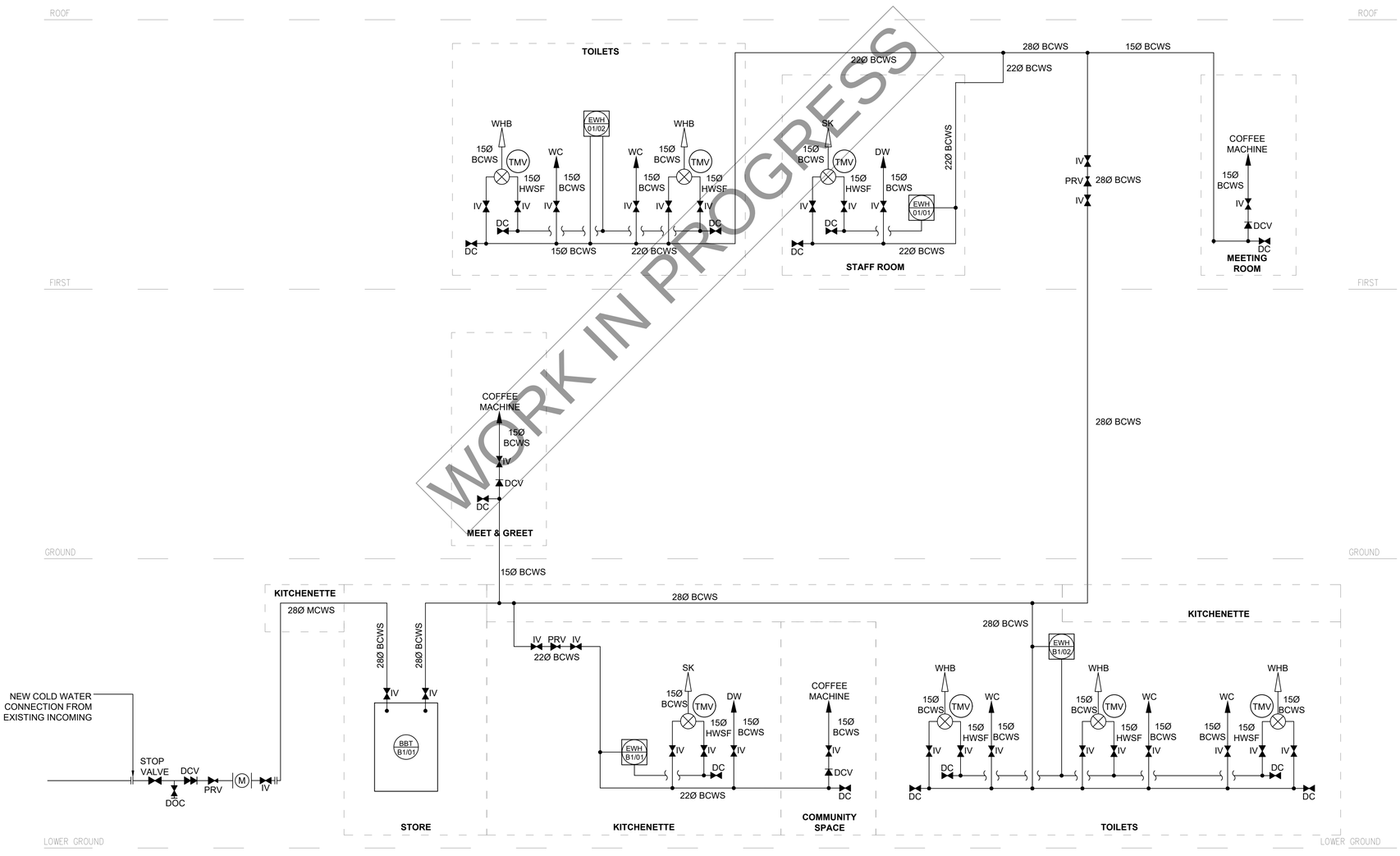


DETAIL A - TYPICAL UNVENTED ELECTRIC HOT WATER HEATER - DETAIL A DETAIL (NOT TO SCALE)

NOTE:- TMV TO BE RADA 215-T3 DK VALVE INCLUDING WALL MOUNTING KIT & INTEGRAL NRV'S



SINGLE BASIN TMV CONNECTION DET (N.T.S.)



WORK IN PROGRESS

NOTES - DOMESTIC WATER SERVICES

1. THERMAL INSULATION SHALL BE INSTALLED ON ALL PIPEWORK IN ACCORDANCE WITH BS5422:2001 & TIMSA.
2. ALL PIPEWORK SHALL BE PROVIDED WITH SERVICES IDENTIIFCATION LABELS AND DIRECTION OF FLOW ARROWS INLINE WITH BS1710.
3. BALLOFIX TYPE 1/4 TURN ISOLATION VALVES SHALL BE INSTALLED ON ALL SANITARY APPLIANCES IN ACCORDANCE WITH THE WATER REGULATIONS.
4. THE SYSTEM SHALL BE INSTALLED WITH 'FALLS' TO DRAIN AT LOW POINTS AND AIR VENTS AT HIGH POINTS, WHERE NATURAL VENTING THROUGH THE SYSTEM CANNOT BE ACHIEVED.
5. ALL HOT WATER OUTLETS IN DISABLED

NOTES - GENERAL

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS IS NOT AN INSTALLATION DRAWING.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL AND ELECTRICAL PERFORMANCE SPECIFICATIONS, AND ALL ACCOMPANYING TENDER DRAWINGS AND SPECIFICATIONS, INCLUDING ARCHITECTURAL, STRUCTURAL ENGINEERING, CIVIL ENGINEERING, MEP AND OTHER THIRD PARTY DESIGNERS.
4. ALL SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS AND WORKMANSHIP CLAUSES DETAILED WITHIN THE ACCOMPANYING SPECIFICATION (WHERE PROVIDED).
5. THE DESIGN AND INSTALLATION SHALL COMPLY WITH THE BUILDING REGULATIONS, BRITISH STANDARDS, EU LEGISLATION, STATUTE, CIBSE GUIDES, CIBSE COMMISSIONING CODES, B&ES, H&S GUIDANCE AND ACOP'S, THE GAS REGULATIONS AND ALL OTHER APPLICABLE REGULATIONS.
6. PRIOR TO ANY WORKS, THE CONTRACTOR SHALL REQUEST A COPY OF THE ASBESTOS REGISTER/REPORT DETAILING THE LOCATION OF ANY EXISTING ASBESTOS. SHOULD THE CONTRACTOR COME ACROSS ANY SUSPICIOUS MATERIALS, THEY SHOULD STOP WORK IMMEDIATELY AND INFORM THE SITE AGENT.
7. THE CONTRACTOR SHALL ALLOW FOR SPECIALIST COMMISSIONING OF ALL MECHANNICAL AND PUBLIC HEALTH SYSTEMS BY THE MANUFACTURER OR MANUFACTURERS APPOINTED AGENT.
8. FOLLOWING COMPLETION OF THE INSTALLATION, THE SYSTEMS SHALL BE TESTED AND COMMISSIONED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. ALL EQUIPMENT SHALL BE INSTALLED, TESTED AND COMMISSIONED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
10. THE CONTRACTOR SHALL INCLUDE FOR ALL NECESSARY FIRE STOPPING, SLEEVES AND DAMPERS TO SUIT THE PROPOSED FIRE STRATEGY.
11. PRIOR TO COMMENCING THE WORKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEKING APPROVAL OF THE PROPOSALS BY THE GAS AND WATER AUTHORITIES.
12. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SEEK CONFIRMATION OF ACCEPTANCE OF THE PROPOSALS BY THE BUILDING CONTROL OFFICER.
13. A FINAL SITE MEASURE SHALL BE CARRIED OUT BY THE CONTRACTOR PRIOR TO ORDERING OF PLANT OR EQUIPMENT.
14. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR TO ALLOW ELECTRICAL, ISOLATORS, CONTROLLERS, ETC. TO BE EASILY ACCESSED AND MAINTAINED.

ACTIVITY	⚠ RESIDUAL RISKS ⚠	CONTROL MECHANISM & COMMUNICATION
SITE DELIVERY OF MATERIALS, E.G. SWITCHGEAR, CONTAINMENT, LUMINAIRES	- VEHICLE TO PERSON - STRUCK BY - MANUAL HANDLING	NOTIFY ALL PARTIES CONCERNED OF DELIVERY DATES AND TIMES. ENSURE ALL PARTIES ARE FULLY AWARE OF SITE LIMITS IN PARTICULAR LIMITED SPACE FOR UNLOADING AND RESTRICTED ACCESS TIMES.
TEMPORARY ELECTRICAL SERVICE INSTALLATIONS TO SITE AND SITE COMPOUNDS.	- ELECTRIC SHOCK	ENSURE ALL SUPPLIES ARE INSTALLED IN ACCORDANCE WITH BS7671 AND ARE SAFELY CONTAINED IN SECURE LOCATIONS THAT ARE ONLY ACCESSIBLE FOR QUALIFIED AND SUITABLY TRAINED STAFF.
EXTERNAL WORKS AND POSSIBLE PRESENCE OF EXISTING UNDERGROUND SUPPLIES	- DAMAGE TO EXISTING SUPPLIES/ELECTRIC SHOCK	OBTAIN DETAILS OF LOCAL UNDERGROUND SERVICES INFORMATION FROM PROVIDERS CARRY OUT SUB-CAT SURVEY OF THE PROPOSED ROUTES. SURVEY PROPOSED ROUTES AND MARK OUT ANY SERVICES FOUND TO BE IDENTIFIED AS CONTAINING UNKNOWN ELEMENTS.
ON SITE USE OF TEMPORARY ELECTRICITY SUPPLY AND PORTABLE EQUIPMENT	- TRIPPING FROM TRAILING LEADS	MINIMISE THE LENGTH OF TRAILING LEADS. LEADS TO BE ROUTED AND CLIPPED TO WALLS AT HIGH LEVEL WHERE POSSIBLE. ALL SITE WORKS TO BE CARRIED OUT UNDER PLANS AND HELD BY THE MAIN CONTRACTOR.
DRILLING/CHASING OF WALLS, ETC. FOR CONTAINMENT FIXINGS.	- DUST/INJURY TO EYES. INHALATION OF DUST	APPROPRIATE PPE TO BE USED, E.G. EYE PROTECTION AND DUST MASKS
HANDLING OF HEAVY EQUIPMENT	- INJURY - MUSCLE STRAIN - BONE FRACTURE	ENSURE ADEQUATE LABOUR/MECHANICAL HANDLING EQUIPMENT IS AVAILABLE AND ADHERE TO GOOD PROCEDURES AND WORKING PRACTICES FOR LIFTING OPERATIONS.
GENERAL WORKING	- INJURY TO SITE PERSONNEL AND VISITORS	SITE ACCESS TO BE RESTRICTED AND CONTROLLED. ALL SITE PERSONNEL AND VISITORS TO BE INDUCTED BY THE MAIN CONTRACTOR. ALL PERSONNEL WORKING ON OR VISITING SITE TO BE MADE AWARE OF THE HAZARDS IN ENVIRONMENT THEY ENTER OR PASS THROUGH.

ARCHITECT'S DRAWING REFERENCE	REVISION
N/A	N/A

Rev	Amendment	Date	By
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Clark Degnan Consulting Engineers

Clark Degnan Limited

Durham Office
Humber House,
Mandale Business Park
Belmont Industrial Estate
County Durham, DH1 1TH
Tel : 0191 3860860
www.clarkdegnan.co.uk

Newcastle Office
Amber Court,
William Armstrong Drive,
Newcastle upon Tyne
NE4 7YA
Tel : 0191 4325692
www.clarkdegnan.co.uk

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Project Title: 74 KING STREET MANCHESTER

Drawing Title: MECHANICAL SERVICES DOMESTIC SERVICES SCHEMATIC

Drawn By	Checked By	Approved By
MK	BH	CD

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