

NOTES CONT'D.

14. THE MECHANICAL CONTRACTOR TO ALLOW FOR ALL NECESSARY DEVICES REQUIRED TO FULLY BALANCE THE HEATING SYSTEM, WHETHER INDICATED ON THE DRAWINGS OR NOT.
15. LOCATION OF RADIATORS TO BE FULLY COORDINATED BY THE CONTRACTOR WITH THE ARCHITECTURAL LAYOUT
16. FOR FURTHER DETAILS PLEASE REFER TO HEATING INSTALLATION SCHEMATICS.
17. PIPEWORK DROPPING INSIDE PARTITION TO BE WELDED. TEES AND ELBOWS TO BE ON OUTSIDE OF PARTITIONS TO BE BOXED IN BY BUILDER.
18. ALL HOLES THROUGH WALLS/FLOORS/ROOF SHALL BE FORMED AND MADE GOOD BY THE MAIN CONTRACTOR.

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL SPECIFICATION AND ALL RELEVANT ARCHITECTS AND ENGINEER DRAWINGS.
2. THIS DRAWING IS FOR TENDER PURPOSES ONLY. DETAILED INSTALLATION DRAWINGS MUST BE PROVIDED BY THE MECHANICAL SUB-CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATION.
3. ALL PIPEWORK INSTALLATIONS TO BE PRESSURE TESTED PRIOR TO OPERATION OF THE SYSTEM.
4. ALTHOUGH NOT SHOWN, AT EACH HIGH POINT, AIR VENTS SHALL BE INSTALLED AND AT EACH LOW POINT DRAIN COCKS SHALL BE INSTALLED.
5. ALL PIPEWORK THAT PASSES THROUGH FIRE BARRIER / COMPARTMENTS SHALL BE FIRE PROTECTED BY SUFFICIENT MEANS REFER TO SPECIFICATIONS.
6. BRACKETS AND SUPPORTS ARE NOT SHOWN FOR CLARITY. ALL NECESSARY SUPPORTS / BRACKETS FOR PIPEWORK, VALVES, FLANGES, UNIONS ETC. SHALL BE INCLUDED AS DESCRIBED WITHIN THE MECHANICAL SPECIFICATION.
7. THERMAL INSULATION IS NOT SHOWN FOR CLARITY. ALL NECESSARY THERMAL INSULATION SHALL BE INCLUDED AS DESCRIBED WITHIN THE MECHANICAL SPECIFICATION.
8. THIS DRAWING SHOWS DESIGN INTENT. THEY ARE NOT CONSTRUCTION DRAWINGS AND THEREFORE DO NOT SHOW ALL BENDS, TEE, SETS ETC., THAT MAY BE NECESSARY TO LOCATE SERVICES CORRECTLY TO AVOID CLASHES AND MAXIMISE MAINTENANCE ACCESS. THE CONTRACTOR IS NEVERTHELESS DEEMED TO HAVE INCLUDED ALL SUCH MATERIALS ETC. AS REQUIRED TO PRODUCE A COMPLETE FULLY CO-ORDINATED LAYOUT.
9. ALL FLOW MEASUREMENT DEVICES SHALL BE INSTALLED AT LEAST TO DIAMETERS UPSTREAM AND 5 DIAMETERS DOWNSTREAM OF ANY FITTINGS AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
10. THE MECHANICAL CONTRACTOR MUST ALLOW FOR ANY NECESSARY CHANGES IN PIPE SIZE FOR COMMISSIONING STATIONS.
11. THE MECHANICAL CONTRACTOR SHALL CALCULATE ANY EXPANSION REQUIREMENTS AND WHERE APPLICABLE ACCOMMODATE THIS NATURALLY WITH BENDS, SETS ETC. WHERE THIS IS NOT POSSIBLE THE MECHANICAL CONTRACTOR SHALL ALLOW FOR BELLOW, EXPANSION LOOPS AND ANCHOR POINTS.
12. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEYING SITE AND PRODUCING FULLY DIMENSIONED WORKING / FABRICATION DRAWINGS. ALL WORKING DRAWINGS SHALL BE FULLY CO-ORDINATED WITH OTHER TRADES AND BUILDING DETAILS, INCLUDING CEILING / STEEL DETAILS.
13. ALL RADIATORS SHALL BE INSTALLED WITH TRV's & LSV's TO MANUFACTURERS RECOMMENDATIONS.



LEGEND:

- RADIATOR
- PIPEWORK DROP
- LOW SURFACE TEMPERATURE RADIATOR
- PIPEWORK AT HIGH LEVEL
- PIPEWORK AT LOW LEVEL
- UNDERFLOOR PIPEWORK

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PROJECT
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 WATERLOO PARK
 GREATER LONDON

DRAWING TITLE
 MECHANICAL SERVICES
 HEATING SERVICES LAYOUT
 SECOND FLOOR

SCALE
 1:50 (A1)

DATE
 2015

BY
 AL GF

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 T1

DRAWING NUMBER
 10326/M/103

FILE
 10326-M-103