DRAWING NOTES:

1. EXISTING WALL MOUNTED HEATER COMPLETE WITH NEW THERMOSTATIC RADIATOR VALVE AND NEW LOCKSHIELD VALVE. EXISTING HEATER TO BE CHECKED FOR CONDITION, FLUSHED THROUGH, REFURBISHED AND PAINTED. SEE SCHEDULES FOR DETAILS OF HEATER.
2. NEW WALL MOUNTED HEATER COMPLETE WITH NEW THERMOSTATIC RADIATOR VALVE AND NEW LOCKSHIELD VALVE. SEE SCHEDULES FOR DETAILS OF HEATER.
3. NEW 15mmØ HEATING FLOW AND RETURN FROM ABOVE RUN ONE ABOVE THE OTHER AT LOW LEVEL.
4. NEW 15mmØ F&R PIPEWORK PASSES THROUGH WALL, ONE ABOVE THE OTHER, IN PIPE SLEEVES. PIPE SLEEVES TO BE SEALED WITH FIRE RESISTANT MATERIAL.
5. NEW 15mmØ HEATING F&R RISES FROM LOW LEVEL TO HIGH LEVEL, WITH 20mmØ HEATING F&R TO ABOVE. PIPEWORK DROPPERS TO BE BOXED IN.
6. 20mmØ HEATING F&R RUNS AT HIGH LEVEL.
7. 20mmØ HEATING F&R RUNS IN CEILING VOID.
8. NEW 15mmØ HEATING FLOW AND RETURN AT LOW LEVEL RUNS AROUND WALL TO SERVE HEATER
9. 20mmØ HEATING F&R IN CEILING VOID.
10. 20mmØ HEATING F&R TO FLOOR ABOVE AND 15mmØ HEATING F&R TO LOW LEVEL BELOW. PIPEWORK TO BE BOXED IN.
11. 25mmØ HEATING F&R IN CEILING VOID.
12. WHERE PIPEWORK PASSES THROUGH WALL/STRUCTURE PIPEWORK TO BE IN PIPE SLEEVES SEALED WITH FIRE RESISTANT MATERIAL.
13. 20mmØ HEATING F&R IN CEILING VOID.
14. 20mmØ HEATING F&R TO LOW LEVEL WITH 15mmØ HEATING F&R TO HEATER AT LOW LEVEL AND 20mmØ HEATING F&R TO FAN CONVECTOR PASSING THROUGH WALL AT LOW LEVEL IN PIPE SLEEVES. PIPE SLEEVES SEALED WITH FIRE RESISTANT MATERIAL.
15. 20mmØ HEATING F&R CONNECTS TO FAN CONVECTOR.
16. 25mmØ HEATING F&R IN CEILING VOID.
17. 15mmØ HEATING F&R DROPS TO LOW LEVEL. PIPEWORK TO BE BOXED IN.
18. 20mmØ HEATING F&R IN CEILING VOID.
19. 15mmØ HEATING PIPEWORK RISES TO FLOOR ABOVE.
20. 15mmØ HEATING PIPEWORK AT HIGH LEVEL/IN CEILING VOID.
21. 25mmØ HEATING F&R IN CEILING VOID.
22. 15mmØ HEATING F&R IN CEILING VOID.
23. 15mmØ HEATING F&R DROPS TO LOW LEVEL. PIPEWORK TO BE BOXED IN. LOW LEVEL FEEDS TO HEATER TO BE BOXED IN.
24. 32mmØ HEATING F&R IN CEILING VOID.
25. 20mmØ HEATING F&R FROM HIGH LEVEL TO ABOVE.
26. 32mmØ HEATING F&R AT HIGH LEVEL.
27. HEATING F&R ADJUSTS IN LEVEL BETWEEN THE TWO BUILDINGS, DROP TO 1520mm ABOVE FFL
28. 15mmØ HEATING F&R DROPS TO LOW LEVEL. PIPEWORK TO BE BOXED IN.
29. 32mmØ HEATING F&R IN CEILING VOID.
30. 15mmØ HEATING F&R IN CEILING VOID.
31. 32mmØ HEATING F&R STACKED ONE ABOVE THE OTHER IN CORRIDOR, ADJUST LEVEL AND PASS THROUGH WALL AND ENTER CEILING VOID.
32. 32mmØ HEATING F&R RUN ONE ABOVE THE OTHER FIXED AT HIGH LEVEL ON CORRIDOR WALL.
33. 32mmØ HEATING F&R RUN ONE ABOVE THE OTHER FIXED AT HIGH LEVEL ON CORRIDOR WALL.
34. 32mmØ HEATING F&R RUN ONE ABOVE THE OTHER FIXED AT HIGH LEVEL ON CORRIDOR WALL.
35. 32mmØ HEATING F&R RUN ONE ABOVE THE OTHER FIXED AT HIGH LEVEL ON CORRIDOR WALL.
36. 20mmØ HEATING F&R DROPS TO LOW LEVEL WITH 15mmØ HEATING F&R TO HEATER AND 15mmØ PASSING THROUGH WALL IN PIPE SLEEVES. PIPE SLEEVES TO BE FILLED WITH FIRE RESISTANT MATERIAL. DROPPING PIPEWORK TO BE BOXED IN.
37. 15mmØ HEATING F&R AT LOW LEVEL
38. 20mmØ HEATING F&R AT HIGH LEVEL/WITHIN CEILING VOID.
39. 15mmØ HEATING F&R IN CEILING VOID.
40. 32 mmØ HEATING F&R ADJUSTS LEVEL TO RUN ONE ABOVE THE OTHER ON CORRIDOR WALL AT HIGH LEVEL
41. 32mmØ HEATING F&R AT HIGH LEVEL ON WALL RUN ONE ABOVE THE OTHER.
43. WALL MOUNTED FAN CONVECTOR MOUNTED AT APPROX 2.8METRES ABOVE FFL. FAN CONVECTOR TO HAVE ANGLED DOWNWARD DISCHARGE.
44. FLOOR MOUNTED FAN CONVECTOR.
45. WALL MOUNTED SENSOR FOR FAN CONVECTOR MOUNTED AT APPROX 1500mm ABOVE FFL
46. 20mmØ HEATING F&R DROPS TO LOWER LEVEL AND PASSES THROUGH WALL IN PIPE SLEEVES. PIPE SLEEVES TO BE FILLED WITH FIRE RESISTANT MATERIAL. AAV`S AT HIGH LEVEL.
47. 15mmØ HEATING F&R ADJUST LEVEL AND PASSES THROUGH WALL IN PIPE SLEEVES. PIPE SLEEVES TO BE FILLED WITH FIRE RESISTANT MATERIAL. AAV`S AT HIGH LEVEL.
48. ISOLATING VALVE ON HEATING FLOW AND COMMISSIONING VALVE ON HEATING RETURN.
49. SPARE NUMBER
50. 15mmØ HEATING F&R DROPS, PASSES THROUGH WALL TO SERVE HEATER. PIPEWORK TO HAVE PIPE SLEEVES WHERE IT PASSES THROUGH WALL. PIPE SLEEVES TO BE FILLED WITH FIRE RESISTANT MATERIAL.
51. 15mmØ HEATING F&R RUN ONE ABOVE THE OTHER AT HIGH LEVEL ON WALL.
52. 25mmØ HEATING F&R RUN ONE ABOVE THE OTHER AT HIGH LEVEL ON WALL.
53. 25mmØ HEATING F&R RUN ONE ABOVE THE OTHER AT HIGH LEVEL ON WALL.
54. 32mmØ HEATING F&R RUN ONE ABOVE THE OTHER AT HIGH LEVEL ON WALL.
55. 32mmØ HEATING F&R RUN ONE ABOVE THE OTHER AT HIGH LEVEL ON WALL.
56. 50mmØ HEATING F&R AT HIGH LEVEL WITH 32mmØ HEATING F&R BRANCHES TO ADJUST LEVEL AND RUN ON WALL ONE ABOVE THE OTHER.
57. SPARE NUMBER
58. SPARE NUMBER
59. 20mmØ HEATING F&R DROP TO LOW LEVEL. PIPEWORK TO BE BOXED IN.
60. 20mmØ HEATING F&R IN CEILING VOID/HIGH LEVEL ADJACENT TO WALL.
61. 15mmØ HEATING F&R AT H/L.
62. 20mmØ HEATING F&R ADJUSTS LEVEL TO RUN IN CEILING VOID/HIGH LEVEL AGAINST WALL
63. 25mmØ HEATING F&R RUN ONE ABOVE THE OTHER AT HIGH LEVEL ON THE WALL.
64. 20mmØ HEATING F&R BRANCHES ADJUST LEVEL TO SERVE FAN CONVECTOR.
65. 20mmØ HEATING F&R CONNECT TO FAN CONVECTOR
66. 20mmØ HEATING F&R AT LOW LEVEL RUN ONE ABOVE THE OTHER
67. 20mmØ HEATING F&R DROP TO LOW LEVEL
68. 20mmØ HEATING F&R IN CEILING VOID/AT HIGH LEVEL
69. 20mmØ HEATING F&R RISES TO FLOOR ABOVE.
70. 20mmØ HEATING F&R IN CEILING VOID/HIGH LEVEL
71. 20mmØ HEATING F&R ADJUST LEVEL
72. 20mmØ HEATING F&R ADJUST LEVEL AND PASS THROUGH WALL IN PIPE SLEEVES. PIPE SLEEVES TO BE FILLED WITH FIRE RESISTANT MATERIAL. AAV`S AT HIGH LEVEL.
73. STEEL BEAM IN CEILING VOID IN THIS AREA, PIPE ROUTING WILL AVOID THIS AREA. SITE SURVEY TO CONFIRM EXACT PIPE ROUTING
74. LOW LEVEL BOXING LOCATED HERE, FLOW/RETURN PIPE TO RUN AT LOW LEVEL THROUGH WALL FROM TOILET INTO THIS BOX TO FEED RADIATORS.
75. NEW RADIATOR WILL CLASH WITH EXISTING DESK WALL FIXING, WALL FIXING WILL NEED TO BE CUT BACK AND FIXED AWAY FROM THE RADIATOR POSITIONS
76. LOW LEVEL CUPBOARD TO BE MODIFIED TO ALLOW PIPE THROUGH BETWEEN IT ROOM 1 & 2
76. PIPE DROPS TO LOW LEVEL, TO AVOID ELECTRICAL TRUNKING AT MID LEVEL IN ROOM
77. PIPE TO DROP TO LOW LEVEL AT THIS LOCATION FROM CEILING VOID, PIPE HAS BEEN ROUTED TO AVOID BRICK WALL
78. EXISTING CABLES IN THE WAY OF PIPE ROUTE, PIPE TO AVOID CLASH AND BE SET BACK TO WALL, EXACT LOCATION TO BE CONFIRMED BY SITE SURVEY.
79. CEILING NOT ACCESSIBLE IN KS4 OFFICE, PIPE TO DROP TO MID LEVEL IN KS3 (400mm FROM KS3 CEILING) TO AVOID HIGH LEVEL SERVICES IN KS4, PIPE TO THEN DROP TO LOW LEVEL AVOIDING A TRUNKING FURTHER DOWN, AND ENTER MODIFIED EXISTING BOXING
80. EXISTING HEATING MAINS WITHIN CUPBOARD TO BE MADE SAFE, DRAINED, ISOLATED AND STRIPPED OUT. THE EXISTING BELOW FLOOR HEATING PIPEWORK TO BE MADE SAFE, ISOLATED AND DRAINED DOWN AS MUCH AS POSSIBLE. THE REDUNDANT EXTERNAL HEATING MAINS TO BE MADE SAFE, DRAINED DOWN AND STRIPPED OUT INCLUDING DROPPERS TO THE POINTS OF NEW CONNECTIONS AT ROOF LEVEL.
81. ELECTRICAL CABLE ABOVE AND BELOW RADIATOR POSITION, BRACKETS REQUIRED TO STEP OUT RADIATOR FROM WALL APPROXIMATELY 100MM.

1.0 PIPEWORK TO HAVE ISOLATION VALVES WHEREVER IT PASSES THROUGH TO FLOOR BELOW.

2.0 AAV`S TO BE LOCATED ON EACH PIPEWORK RUN AT HIGHEST LEVEL AND DRAIN COCKS AT LOW LEVEL.

3.0 ALL PIPEWORK PASSING THROUGH BUILDING FABRIC TO BE PUT IN PIPE SLEEVE FILLED WITH IRE RESISTANT MATERIAL.

4.0 ALL HEATERS TO HAVE NEW THERMOSTATIC RADIATOR VALVES AND NEW LOCKSHIELD VALVES

5.0 ALL EXISTING HEATERS THAT ARE REUSED ARE TO BE CHECKED FOR CONDITION, FLUSHED THROUGH, REFURBISHED AND PAINTED

LEGEND

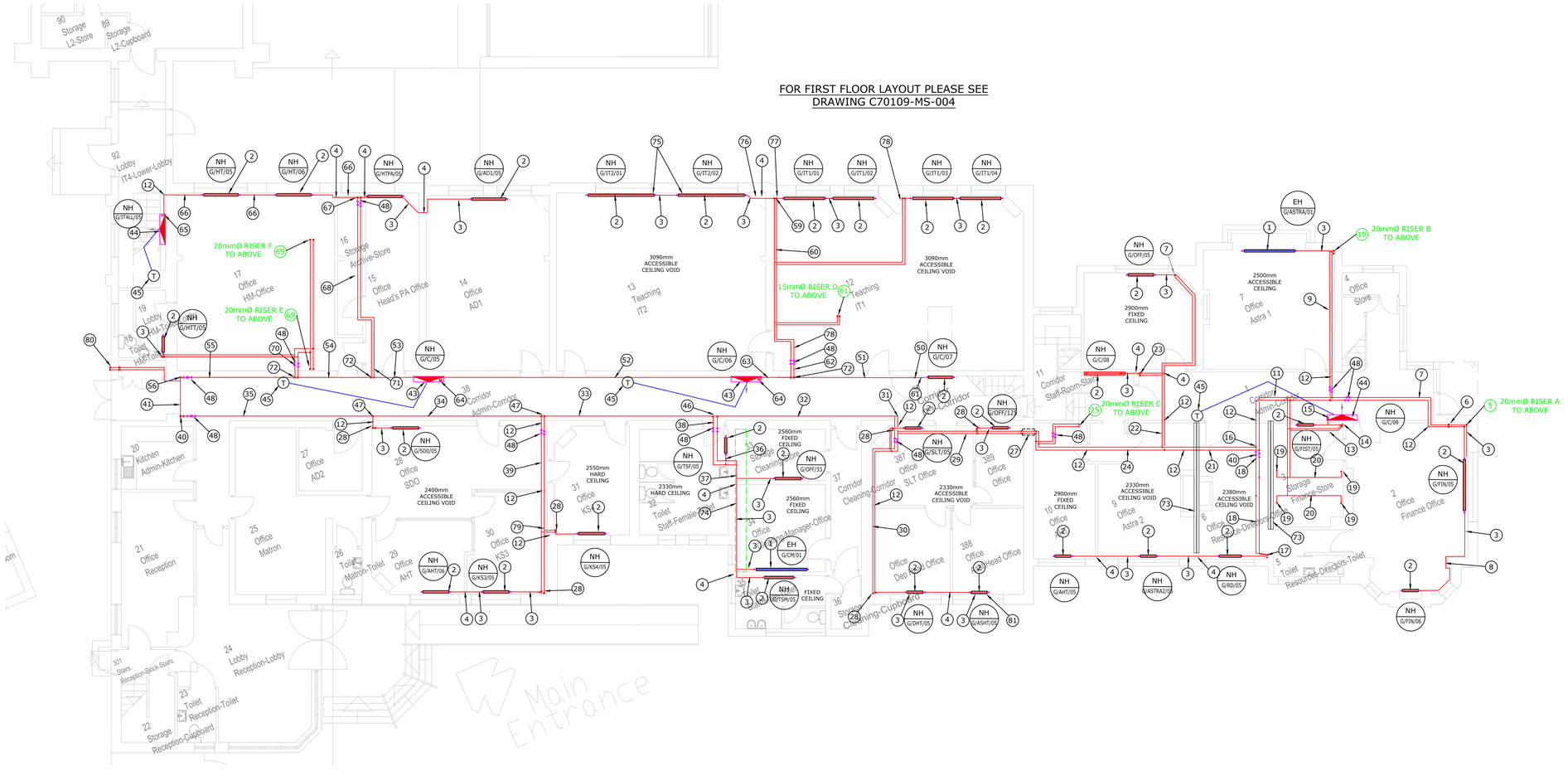
EH ** EXISTING HEATER REFERENCE

NH ** NEW HEATER REFERENCE

EXISTING HEATER

NEW HEATER

FOR FIRST FLOOR LAYOUT PLEASE SEE
DRAWING C70109-MS-004



Revision	Date	By	Description
C	07.09.21	MH	AS-FITTED DRAWING
B	17.03.21	MH	NOTES CORRECTED AND MINOR TWEAKS
A	19.02.21	MH	FOR APPROVAL
			-

DRAWING STATUS: **AS-FITTED**

CLIENT : DR. CHALLONERS GRAMMAR SCHOOL AMERSHAM

PROJECT : ADMINISTRATION BUILDING HEATING SYSTEM REPLACEMENT

DRAWING TITLE : MECHANICAL SERVICES HEATING SERVICES LAYOUT GROUND FLOOR

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A B C - - - - -