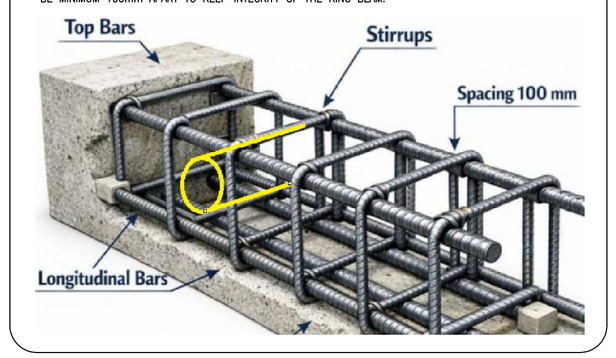
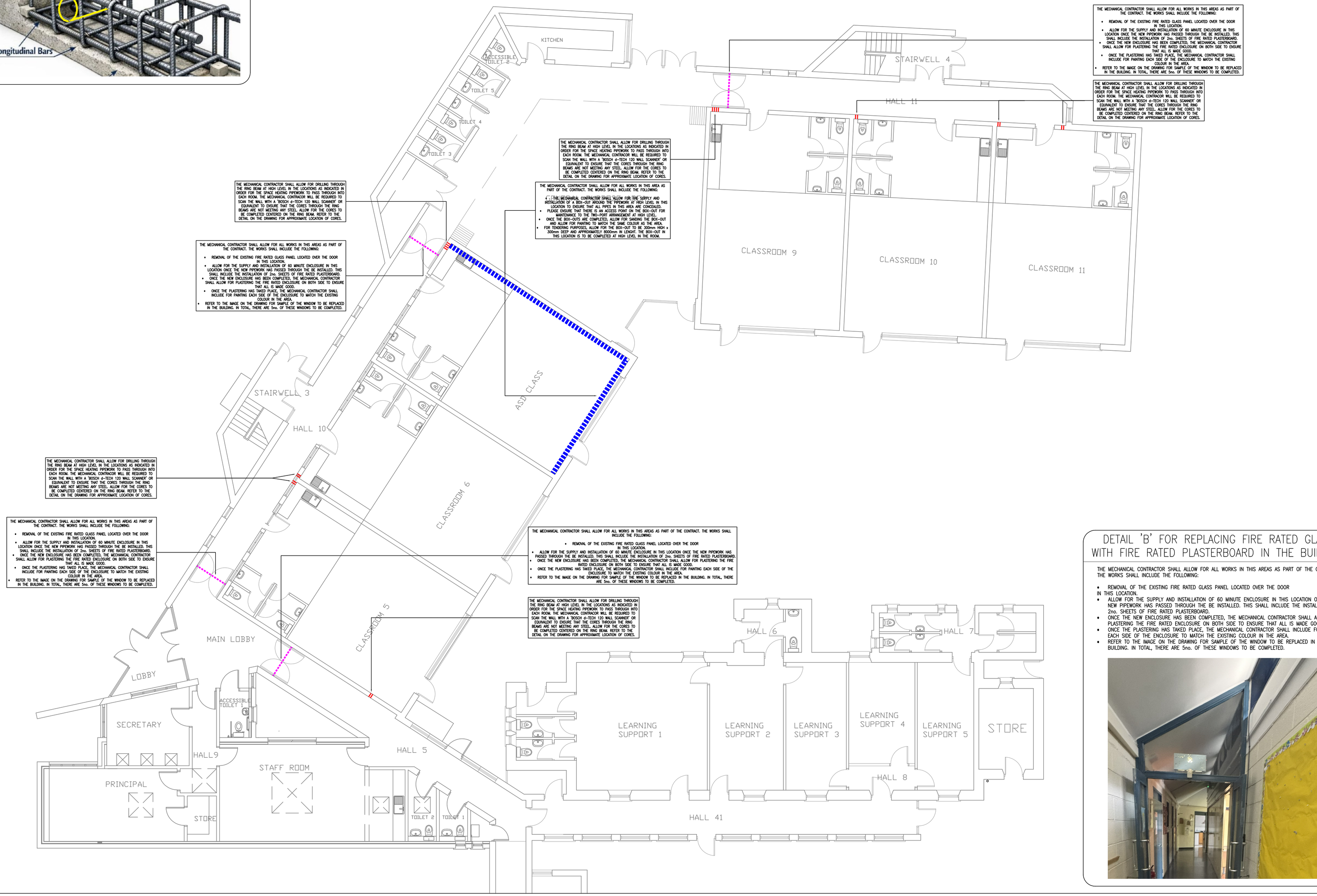
A1

DETAIL 'A' FOR CORING THROUGH RING BEAM IN THE BUILDING.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRILLING THROUGH THE RING BEAM AT HIGH LEVEL IN THE LOCATIONS AS INDICATED IN ORDER FOR THE SPACE HEATING PIPEWORK TO PASS THROUGH INTO EACH ROOM. THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO SCAN THE WALL WITH A 'BOSCH d-TECH 120 WALL SCANNER' OR EQUIVALENT TO ENSURE THAT THE CORES THROUGH THE RING BEAMS ARE NOT MEETING ANY STEEL. ALLOW FOR THE CORES TO BE COMPLETED CENTERED ON THE RING BEAM. REFER TO THE DETAIL ON THE DRAWING FOR APPROXIMATE LOCATION OF CORES. SEE BELOW GENERIC IMAGE OF STANDARD RING BEAM ARRANGEMENT. THE CORES SHALL NOT EXCEED 25mm IN ANY SINGLE LOCATION. CORES SHALL BE MINIMUM 100mm APART TO KEEP INTEGRITY OF THE RING BEAM.





THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL WORKS IN THIS AREAS AS PART OF THE CONTRACT. THE WORKS SHALL INCLUDE THE FOLLOWING:

- REMOVAL OF THE EXISTING FIRE RATED GLASS PANEL LOCATED OVER THE DOOR IN THIS LOCATION.
- ALLOW FOR THE SUPPLY AND INSTALLATION OF 60 MINUTE ENCLOSURE IN THIS LOCATION ONCE THE NEW PIPEWORK HAS PASSED THROUGH THE BE INSTALLED. THIS SHALL INCLUDE THE INSTALLATION OF 2no. SHEETS OF FIRE RATED PLASTERBOARD.
- ONCE THE NEW ENCLOSURE HAS BEEN COMPLETED, THE MECHANICAL CONTRACTOR SHALL ALLOW FOR PLASTERING THE FIRE RATED ENCLOSURE ON BOTH SIDE TO ENSURE THAT ALL IS MADE GOOD.
- ONCE THE PLASTERING HAS TAKED PLACE, THE MECHANICAL CONTRACTOR SHALL INCLUDE FOR PAINTING EACH SIDE OF THE ENCLOSURE TO MATCH THE EXISTING COLOUR IN THE AREA.
- REFER TO THE IMAGE ON THE DRAWING FOR SAMPLE OF THE WINDOW TO BE REPLACED IN THE BUILDING. IN TOTAL, THERE ARE 5no. OF THESE WINDOWS TO BE COMPLETED.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRILLING THROUGH THE RING BEAM AT HIGH LEVEL IN THE LOCATIONS AS INDICATED IN ORDER FOR THE SPACE HEATING PIPEWORK TO PASS THROUGH INTO EACH ROOM. THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO SCAN THE WALL WITH A 'BOSCH d-TECH 120 WALL SCANNER' OR EQUIVALENT TO ENSURE THAT THE CORES THROUGH THE RING BEAMS ARE NOT MEETING ANY STEEL. ALLOW FOR THE CORES TO BE COMPLETED CENTERED ON THE RING BEAM. REFER TO THE DETAIL ON THE DRAWING FOR APPROXIMATE LOCATION OF CORES.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL WORKS IN THIS AREA AS PART OF THE CONTRACT. THE WORKS SHALL INCLUDE THE FOLLOWING:

- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF A BOX-OUT AROUND THE PIPEWORK AT HIGH LEVEL IN THIS LOCATION TO ENSURE THAT ALL PIPES IN THIS AREA ARE CONCEALED.
- PLEASE ENSURE THAT THERE IS AN ACCESS POINT ON THE BOX-OUT FOR MAINTENANCE PURPOSES. ALLOW FOR THE BOX-OUT TO BE 300mm HIGH x 300mm DEEP AND APPROXIMATELY 8000mm IN LENGHT. THE BOX-OUT IN THIS LOCATION IS TO BE COMPLETED AT HIGH LEVEL IN THE ROOM.
- ONCE THE BOX-OUTS ARE COMPLETED, ALLOW FOR SANDING THE BOX-OUT AND ALLOW FOR PAINTING TO MATCH THE SAME COLOUR AS THE AREA.
- FOR TENDERING PURPOSES, ALLOW FOR THE BOX-OUT TO BE 300mm HIGH x 300mm DEEP AND APPROXIMATELY 8000mm IN LENGHT. THE BOX-OUT IN THIS LOCATION IS TO BE COMPLETED AT HIGH LEVEL IN THE ROOM.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL WORKS IN THIS AREAS AS PART OF THE CONTRACT. THE WORKS SHALL INCLUDE THE FOLLOWING:

- REMOVAL OF THE EXISTING FIRE RATED GLASS PANEL LOCATED OVER THE DOOR IN THIS LOCATION.
- ALLOW FOR THE SUPPLY AND INSTALLATION OF 60 MINUTE ENCLOSURE IN THIS LOCATION ONCE THE NEW PIPEWORK HAS PASSED THROUGH THE BE INSTALLED. THIS SHALL INCLUDE THE INSTALLATION OF 2no. SHEETS OF FIRE RATED PLASTERBOARD.
- ONCE THE NEW ENCLOSURE HAS BEEN COMPLETED, THE MECHANICAL CONTRACTOR SHALL ALLOW FOR PLASTERING THE FIRE RATED ENCLOSURE ON BOTH SIDE TO ENSURE THAT ALL IS MADE GOOD.
- ONCE THE PLASTERING HAS TAKED PLACE, THE MECHANICAL CONTRACTOR SHALL INCLUDE FOR PAINTING EACH SIDE OF THE ENCLOSURE TO MATCH THE EXISTING COLOUR IN THE AREA.
- REFER TO THE IMAGE ON THE DRAWING FOR SAMPLE OF THE WINDOW TO BE REPLACED IN THE BUILDING. IN TOTAL, THERE ARE 5no. OF THESE WINDOWS TO BE COMPLETED.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRILLING THROUGH THE RING BEAM AT HIGH LEVEL IN THE LOCATIONS AS INDICATED IN ORDER FOR THE SPACE HEATING PIPEWORK TO PASS THROUGH INTO EACH ROOM. THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO SCAN THE WALL WITH A 'BOSCH d-TECH 120 WALL SCANNER' OR EQUIVALENT TO ENSURE THAT THE CORES THROUGH THE RING BEAMS ARE NOT MEETING ANY STEEL. ALLOW FOR THE CORES TO BE COMPLETED CENTERED ON THE RING BEAM. REFER TO THE DETAIL ON THE DRAWING FOR APPROXIMATE LOCATION OF CORES.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL WORKS IN THIS AREAS AS PART OF THE CONTRACT. THE WORKS SHALL INCLUDE THE FOLLOWING:

- REMOVAL OF THE EXISTING FIRE RATED GLASS PANEL LOCATED OVER THE DOOR IN THIS LOCATION.
- ALLOW FOR THE SUPPLY AND INSTALLATION OF 60 MINUTE ENCLOSURE IN THIS LOCATION ONCE THE NEW PIPEWORK HAS PASSED THROUGH THE BE INSTALLED. THIS SHALL INCLUDE THE INSTALLATION OF 2no. SHEETS OF FIRE RATED PLASTERBOARD.
- ONCE THE NEW ENCLOSURE HAS BEEN COMPLETED, THE MECHANICAL CONTRACTOR SHALL ALLOW FOR PLASTERING THE FIRE RATED ENCLOSURE ON BOTH SIDE TO ENSURE THAT ALL IS MADE GOOD.
- ONCE THE PLASTERING HAS TAKED PLACE, THE MECHANICAL CONTRACTOR SHALL INCLUDE FOR PAINTING EACH SIDE OF THE ENCLOSURE TO MATCH THE EXISTING COLOUR IN THE AREA.
- REFER TO THE IMAGE ON THE DRAWING FOR SAMPLE OF THE WINDOW TO BE REPLACED IN THE BUILDING. IN TOTAL, THERE ARE 5no. OF THESE WINDOWS TO BE COMPLETED.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRILLING THROUGH THE RING BEAM AT HIGH LEVEL IN THE LOCATIONS AS INDICATED IN ORDER FOR THE SPACE HEATING PIPEWORK TO PASS THROUGH INTO EACH ROOM. THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO SCAN THE WALL WITH A 'BOSCH d-TECH 120 WALL SCANNER' OR EQUIVALENT TO ENSURE THAT THE CORES THROUGH THE RING BEAMS ARE NOT MEETING ANY STEEL. ALLOW FOR THE CORES TO BE COMPLETED CENTERED ON THE RING BEAM. REFER TO THE DETAIL ON THE DRAWING FOR APPROXIMATE LOCATION OF CORES.

DETAIL 'B' FOR REPLACING FIRE RATED GLASS WITH FIRE RATED PLASTERBOARD IN THE BUILDING.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL WORKS IN THIS AREAS AS PART OF THE CONTRACT. THE WORKS SHALL INCLUDE THE FOLLOWING:

- REMOVAL OF THE EXISTING FIRE RATED GLASS PANEL LOCATED OVER THE DOOR IN THIS LOCATION.
- ALLOW FOR THE SUPPLY AND INSTALLATION OF 60 MINUTE ENCLOSURE IN THIS LOCATION ONCE THE NEW PIPEWORK HAS PASSED THROUGH THE BE INSTALLED. THIS SHALL INCLUDE THE INSTALLATION OF 2no. SHEETS OF FIRE RATED PLASTERBOARD.
- ONCE THE NEW ENCLOSURE HAS BEEN COMPLETED, THE MECHANICAL CONTRACTOR SHALL ALLOW FOR PLASTERING THE FIRE RATED ENCLOSURE ON BOTH SIDE TO ENSURE THAT ALL IS MADE GOOD.
- ONCE THE PLASTERING HAS TAKED PLACE, THE MECHANICAL CONTRACTOR SHALL INCLUDE FOR PAINTING EACH SIDE OF THE ENCLOSURE TO MATCH THE EXISTING COLOUR IN THE AREA.
- REFER TO THE IMAGE ON THE DRAWING FOR SAMPLE OF THE WINDOW TO BE REPLACED IN THE BUILDING. IN TOTAL, THERE ARE 5no. OF THESE WINDOWS TO BE COMPLETED.

BUILDERS WORK ELEMENTS IN THE SCHOOL BUILDING IN 'AREA A' OF THE BUILDING (SCALE 1:100)

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PARTICULAR SPECIFICATIONS.

2. THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF ALL SERVICES AND WORKS REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK.

3. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.

4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE. ALL DIMENSIONS IN mm, UNLESS STATED OTHERWISE

5. EXACT LOCATIONS OF ALL SERVICES TO BE AGREED ON SITE. FINAL LOCATIONS OF ALL SERVICES TO BE CO-ORDINATED ON SITE WITH EXISTING LOOSE AND FIXED FURNITURE LAYOUTS IN THE ROOM.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL WORKS AND BUILDERS WORKS AS IDENTIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS.

7. ALL OF THE EXISTING SPACE HEATING INSTALLATION THROUGHOUT THE EXISTING SCHOOL BUILDING SHALL BE DECOMMISSIONED AND REMOVED AND REPLACED WITH NEW SPACE HEATING INSTALLATION. THE CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING THE FOLLOWING ITEMS THROUGHOUT THE BUILDING AS INDICATED ON THE DRAWINGS:

- THE EXISTING RADIATORS THROUGHOUT THE EXISTING SCHOOL BUILDING SHALL BE DECOMMISSIONED AND REMOVED FROM SITE AS PART OF THE WORKS.
- ANY TWO PORT VALVE ARRANGEMENTS THROUGHOUT THE EXISTING SCHOOL BUILDING SHALL BE DECOMMISSIONED AND REMOVED AS PART OF THE WORKS.
- ALL EXPOSED AND HIDDEN PIPEWORK WITHIN THE ATTIC SPACE SHALL BE DECOMMISSIONED AND REMOVED FROM SITE AS PART OF THE WORKS.

BUILDERS WORK SERVICES NOTES:

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BUILDERS WORKS AND SHALL EMPLOY A SUITABLY QUALIFIED BUILDING CONTRACTOR TO CARRY OUT ALL THE ASSOCIATED BUILDERS WORKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BUILDERS WORKS AND BUILDING FINISHES WORKS, ETC. AS IDENTIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS. THIS INCLUDES ALL OPES, DRILLING, KNOCKING OUT, BUILDING FINISHES WORKS, CEILING FINISHES, ETC.

10. THE CONTRACTOR WILL BE REQUIRED TO CONTRACT A SUITABLE CARPENTER TO CARRY OUT THE WORKS TO THE NEW BOX OUTS TO BE COMPLETED IN THE SCHOOL BUILDING. THESE WORKS SHALL BE CARRIED OUT IN THE SCHOOL BUILDING AS INDICATED ON THE DRAWING.

11. ONCE THE BOX OUTS ARE COMPLETED, THE CONTRACTOR SHALL ALLOW FOR PRIMING AND PAINTING THE BOX OUT TO MATCH THE SAME COLOUR IN THE AREAS OF THE BUILDING AS INDICATED ON THE DRAWING.

12. THE CONTRACTOR SHALL ALLOW FOR CORING THROUGH THE EXISTING RING BEAMS IN THE SCHOOL BUILDING AT HIGH LEVEL IN THE LOCATION AS INDICATED ON THE DRAWING. REFER TO DETAIL 'A' ON THE DRAWING TO DETERMINE HOW THE CORING THROUGH THE EXISTING RING BEAM SHALL BE CARRIED OUT. THE CORES SHALL NOT EXCEED 25mm IN ANY SINGLE LOCATION AND THERE SHALL BE A MINIMUM OF 100mm APART OF THE CORES WHERE PIPES SHALL PASS THROUGH THE RING BEAM.

13. THE CONTRACTOR SHALL ALLOW FOR REMOVING THE EXISTING FIRE RATED GLASS IN THE BUILDING IN THE LOCATIONS AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 'B' FOR THE WORKS REQUIRED TO BE CARRIED OUT. THERE ARE 5no. OF THESE GLASS PANELS IN THE BUILDING TO BE REMOVED.

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	17.08.26	J. O'SULLIVAN	G. BENNDORF

M&E CONSULTANT

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Drawing Status
TENDER

Job Title
ST. MARY'S JUNIOR SCHOOL
BLESSINGTON,
CO. WICKLOW.
Y14 YN98.

Drawing Title
BUILDERS WORK ELEMENTS TO BE CARRIED OUT IN IN 'AREA A' OF THE BUILDING.

Architect

Drawing No: 69(E004)

Job No.	Drawn by:	Scale:	Rev.
26-052	J.O'S	1:100 on A1	T1