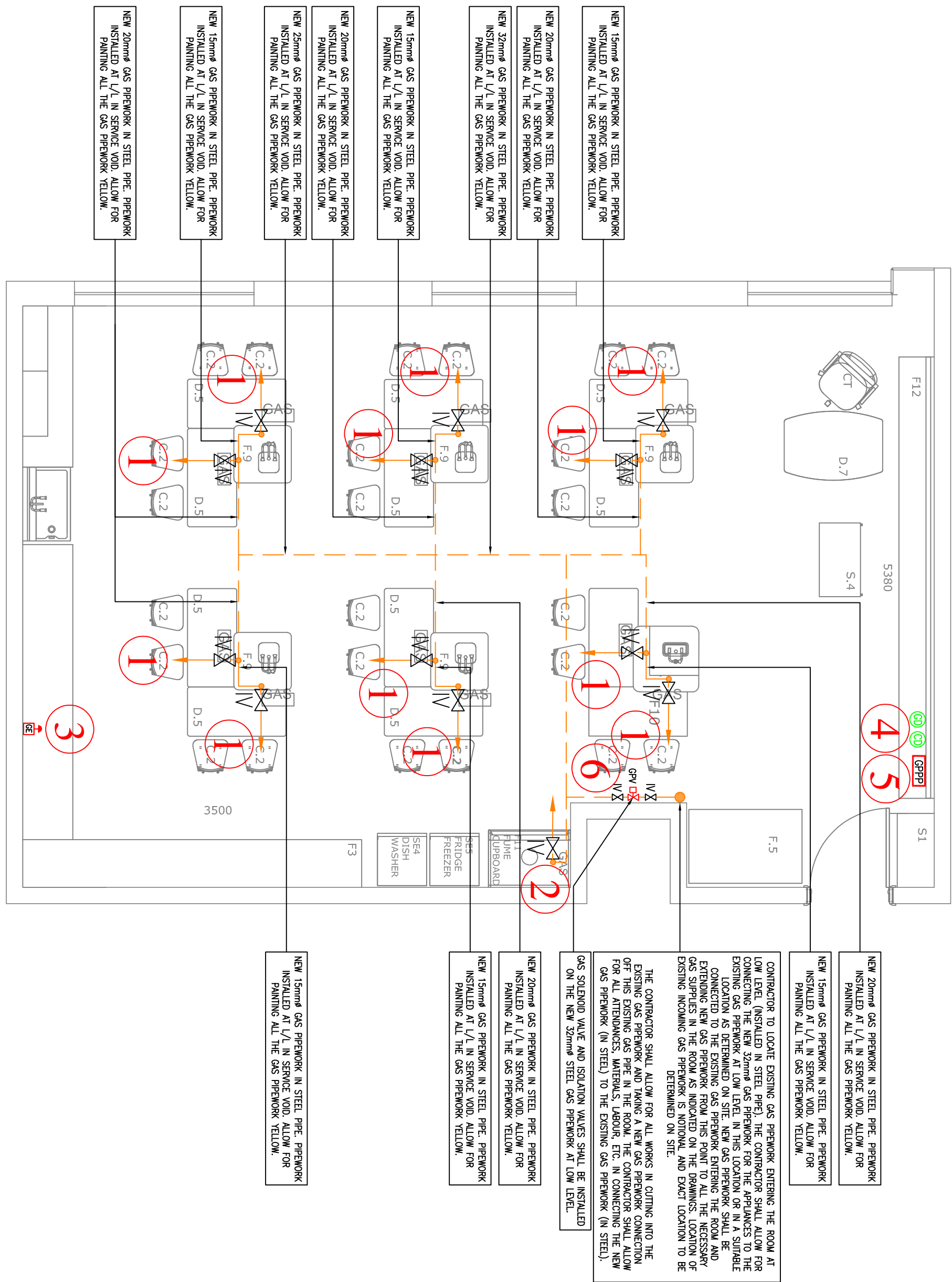


ALL NEW GAS PREWORK SHALL BE INSTALLED IN GUN BARREL STEEL AND THE CONTRACTOR SHALL ENSURE THAT ALL JOINTS IN THE GAS PREWORK SHALL BE WELDED THROUGHOUT THE ROOM. NO THREADED JOINTS SHALL BE ALLOWED ON ANY INTERNAL GAS PREWORK.

THE CONTRACTOR SHALL ALLOW FOR TOTALY DETACHED AND REMOVAL OF THE EXISTING GAS PREWORK AND GAS SERVICES INSTALLATION IN THE SCIENCE ROOM. A NEW GAS INSTALLATION SHALL BE INSTALLED THROUGHOUT THE ROOM TO SUIT THE NEW LAYOUT AND NEW FURNITURE INSTALLATION.

THE CONTRACTOR SHALL ALLOW FOR CHASING THE FLOORS FOR ALL GAS PREWORK TO STUDENT DESKS AND FOR PRE STOPPING THE OPES AND MANNING GOOD THE FLOOR TO MATCH EXISTING. IF CONTRACTOR FINDS AN EASIER ROUTE ON SITE THIS SHALL BE ACCEPTABLE. ALL ROUTES ARE NOTOTAL.



## GAS SERVICES INSTALLATION LAYOUT (SCALE 1:50)

### GAS SERVICES NUMBERING SYSTEM

|   |                                                                                                                                                                                                                                                                                                                                            |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 15mm GAS PREWORK CONNECTION TO A TWIN GAS JAP ON THE STUDENTS BRICK INCLUDE FOR AN ISOLATION VALVE ON THE GAS SUPPLY TO THE GAS JAP. ALL GAS PREWORK SHALL BE STEEL. PREWORK INSTALLATION TO BE DRAGUNED WITH THE FIXED FURNITURE INSTALLATION. MANNING GOOD. EXACT ROUTES TO BE DETERMINED ON SITE. ALL GAS PREWORK TO BE PAINTED YELLOW. |
| 2 | 15mm GAS PREWORK CONNECTION TO THE SCIENCE STATION FOR THE PLATE CHANGERS. INCLUDE FOR AN ISOLATION VALVE ON THE GAS SUPPLY TO THE DOCK STATION. ALL GAS PREWORK SHALL BE STEEL. PREWORK INSTALLATION TO BE DRAGUNED WITH THE FIXED FURNITURE INSTALLATION.                                                                                |
| 3 | THE MAIN RUN OF THE GAS PREWORK SHALL BE INSTALLED IN THE SERVICE VOID CONNECTING TO ALLOW FOR CHASING THE FLOOR AND MANNING GOOD. EXACT ROUTES TO BE DETERMINED ON SITE. ALL GAS PREWORK TO BE PAINTED YELLOW.                                                                                                                            |
| 4 | LOCATION OF A REMOTE EMERGENCY SHUT-OFF BUTTON FOR THE GAS PRESSURE PROOVING SYSTEM. THESE REMOTE EMERGENCY SHUT-OFF BUTTONS SHALL BE INSTALLED AT 1200mm ABOVE FINISHED FLOOR LEVEL.                                                                                                                                                      |
| 5 | LOCATION OF A REMOTE GAS DETECTOR AND CARBON MONOXIDE SENSOR FOR THE GAS PRESSURE PROOVING SYSTEM.                                                                                                                                                                                                                                         |
| 6 | LOCATION OF THE MAIN GAS PRESSURE PROOVING SYSTEM VALVE FOR THE GAS PRESSURE PROOVING SYSTEM. THE MAIN GAS PRESSURE PROOVING VALVE SHALL BE INSTALLED ON THE GAS PREWORK AS IT ENTERS THE ROOM AND BEFORE ANY CONNECTIONS IS TAKEN OF THE GAS PREWORK. THE NEW GAS PRESSURE PROOVING VALVE SHALL BE INSTALLED ON A NEW 25mm GAS PIPE.      |

### GAS SERVICES LEGENDS AND SYMBOLS

|  |                                                                                                                                                                                          |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | GAS WATER CONNECTION C/W ISOLATION VALVE. REFER TO NUMBER SYSTEM ABOVE FOR CONNECTION SIZES AND DETAILS.                                                                                 |
|  | NEW GAS SERVICES PREWORK INSTALLED AT LOW LEVEL IN THE SERVICE VOID (HIDDEN FROM VIEW). ALL JOINTS ON THE GAS PREWORK SHALL BE WELDED THROUGHOUT. REFER TO DRAWING FOR SIZES AND ROUTES. |
|  | ALL PREWORK SHALL BE INSTALLED IN STEEL AND SHALL BE PAINTED YELLOW.                                                                                                                     |
|  | CARBON MONOXIDE DETECTOR FOR THE GAS PRESSURE PROOVING SYSTEM IN THE SCIENCE ROOM.                                                                                                       |
|  | NATURAL GAS DETECTOR FOR THE GAS PRESSURE PROOVING SYSTEM IN THE SCIENCE ROOM. THE DETECTOR SHALL BE MOUNTED ON THE WALL AT 1200mm ABOVE FINISHED FLOOR LEVEL.                           |
|  | NEW GAS PRESSURE PROOVING PANEL FOR THE GAS PRESSURE PROOVING SYSTEM IN THE SCIENCE ROOM.                                                                                                |
|  | NEW GAS SOUNDED VALVE FOR THE GAS PRESSURE PROOVING SYSTEM IN THE SCIENCE ROOM.                                                                                                          |
|  | NEW EMERGENCY GAS SHUT-OFF BUTTON FOR THE GAS PRESSURE PROOVING SYSTEM IN THE SCIENCE ROOM.                                                                                              |
|  | CONTROL WIRING BETWEEN GAS DEVICES AND THE GAS PRESSURE PROOVING PANEL.                                                                                                                  |
|  | NEW ISOLATION VALVE.                                                                                                                                                                     |
|  | H/L HIGH LEVEL.                                                                                                                                                                          |
|  | L/L LOW LEVEL.                                                                                                                                                                           |
|  | FROM BELOW.                                                                                                                                                                              |

### GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.
3. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINATING THE MECHANICAL INSTALLATION WITH THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE ELECTRICAL CONTRACTOR TO CO-ORDINATE ALL SERVICES.
4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.
5. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL MECHANICAL SERVICES INDICATED ON THIS DRAWING.
6. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PREWORK, MECHANICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.
7. NEW MAIN RUN OF MECHANICAL PREWORK AND SERVICES SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATING ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE MECHANICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTABLE.
8. FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PREWORK, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
9. ALL SERVICES THROUGH FIRE BARRIERS SHALL BE STOPPED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR THE PROOVING THE OPES AFTER SERVICES IS INSTALLED.
10. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE MECHANICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

### GAS SERVICES NOTES:

11. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR RECOMMENDING AND REMOVING THE EXISTING GAS SERVICES INSTALLATION. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.
12. A NEW GAS SERVICES INSTALLATION SHALL BE OBTAINED AND INSTALLED IN THE PREP ROOM AND THE SCIENCE ROOM AS INDICATED ON THE DRAWING. ALL WORKS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR GAS SERVICES PREWORK. ALL MAIN RUNS OF PREWORK SHALL BE INSTALLED IN THE CEILING VOID. ALL PREWORK IN THE CEILING VOID AND IN THE SERVICE VOID SHALL BE INSULATED.
14. ALL GAS SERVICES PREWORK SHALL BE SURFACE MOUNTED.
15. THE CONTRACTOR SHALL CO-ORDINATE THE FINAL POSITIONS OF ALL EQUIPMENT & SERVICES WITH ALL OTHER TRADES EXTRA CHECKS REQUIRED DUE TO THE CO-ORDINATION DRAWING. NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE EMPLOYERS.
16. THE CONTRACTOR SHALL ALLOW FOR A COMPLETE NEW GAS SERVICES SYSTEM IN THE BUILDING WHICH INCLUDES ALL PREWORK, VALVES, GAS PRESSURE PROOVING SYSTEM, ETC. AS INDICATED ON THE DRAWINGS.
17. PROVIDE ISOLATION VALVES ON ALL FINAL CONNECTIONS TO FITTINGS.
18. THE NEW GAS SERVICES PREWORK FOR THE PREP ROOM AND SERVICE ROOM SHALL BE CONNECTED BACK TO THE EXISTING GAS SERVICES PREWORK IN THE ROOM. THE NEW GAS SERVICES PREWORK SHALL CONNECT TO THE EXISTING GAS SERVICES PREWORK IN THE ROOM AS INDICATED ON THE DRAWINGS.
19. THE ENTIRE GAS INSTALLATION SHALL COMPLY WITH IS8020:2010.
20. A NEW GAS PRESSURE PROOVING SYSTEM SHALL BE INSTALLED FOR THE GAS SUPPLY TO THE SCIENCE ROOM FOR THE GAS SERVICES INSTALLATION IN THAT ROOM. REFER TO THE DRAWING FOR THE FINAL LOCATION AND REFER TO THE SPECIFICATION FOR SPECIFIC INFORMATION ON THE SYSTEM AND COMPONENTS REQUIRED. SEE SPECIFICATION FOR FURTHER INFORMATION.
21. ALL INTERNAL GAS PREWORK THROUGHOUT (INCLUDING ABOVE CEILINGS) SHALL BE PROVED AND PAINTED WITH 250 COATS OF YELLOW PAINT AS SPECIFIED.
22. ALL GAS PREWORK INSTALLED THROUGHOUT THE ROOMS SHALL BE MOUNTED ABOVE BLACK STEEL TUBE AND SHALL BE WELDED THROUGHOUT. ALL GAS PREWORK SHALL BE WELDED THROUGHOUT WITH NO THREADED JOINTS OR COMPRESSION JOINTS IN THE PREWORK.

### MAKE CONSULTANT

|     |          |                     |                 |
|-----|----------|---------------------|-----------------|
| REV | DATE     | BY/PROJECT ENGINEER | QUANT CHECK BY: |
| T1  | 04.06.26 | J. MARTIN           | G. BENNDORF     |



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### TENDER

**Job Title**  
CBS JAMES STREET,  
8 BASIN VW, THE LIBERTIES,  
DUBLIN 8,  
D08 H2H9.

### Drawing Title

**NEW GAS SERVICES TO BE  
INSTALLED IN THE SCIENCE  
ROOM.**

### Architect

**McCLAV**  
McClavin Architecture  
Units 4B, Elm House,  
Millennium Park,  
Noss, Co. Kildare

### Drawing No.

54(M001)

### Job No.

26-028

### Drawn by

J.M

### Scale

1:50 on A1

### Rev.

T1