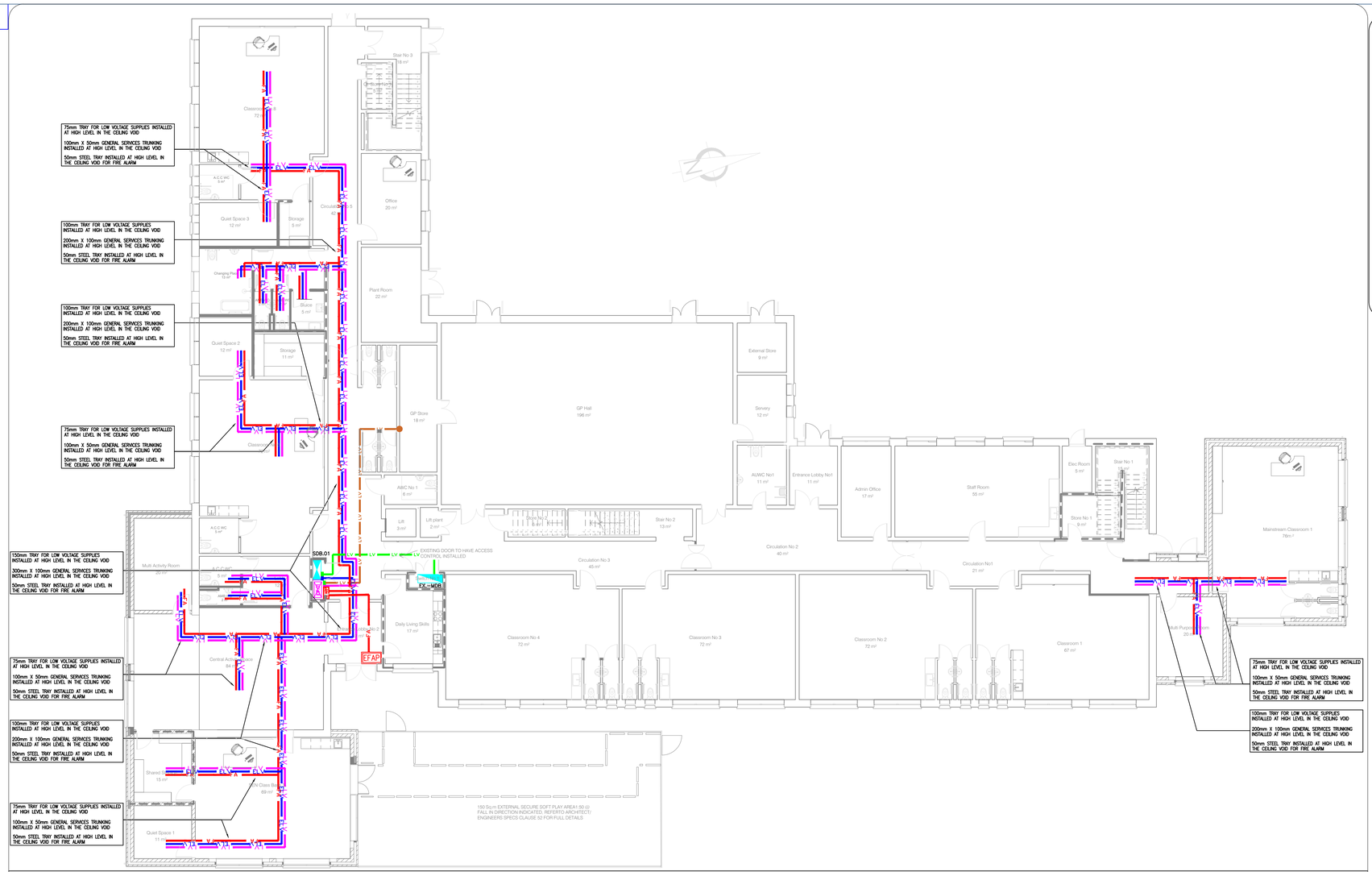
A1



GROUND FLOOR CABLE CONTAINMENT SERVICES LAYOUT

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.

2. THE 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 ON SITE. 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.

5. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL ELECTRICAL SERVICES INDICATED ON THIS DRAWING.

6. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR CABLE CONTAINMENT, ELECTRICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.

7. NEW MAINS RUN OF ELECTRICAL CONTAINMENT SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATIVE ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE ELECTRICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTABLE.

8. FINAL LOCATION OF ALL ITEMS OF SOCKETS/IT POINTS/LIGHTING, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

9. ALL SERVICES THROUGH FIRE BARRIERS SHALL BE SLEEVED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE OPES AFTER SERVICES IS INSTALLED.

10. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE ELECTRICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

CABLE CONTAINMENT NOTES:

11. CABLE CONTAINMENT SHALL BE INSTALLED THROUGHOUT THE BUILDING AS INDICATED ON THE DRAWINGS.

12. THIS DRAWING INDICATES MAIN RUNS FOR CABLE CONTAINMENT TRAYS & TRUNKING. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL FINAL BRANCH RUNS, RISERS, OFFSETS, ETC. AS REQUIRED TO PROVIDE A COMPLETE CONTAINMENT SYSTEM IN EACH CASE. THIS INFORMATION IS INDICATIVE ONLY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BENDS, TEE'S, AND CROSS-OVERS THAT REQUIRED TO MEET CURRENT ETCI STANDARDS, THE ROUTES INDICATED ARE MAIN ROUTES ONLY AND SECONDARY ROUTES INTO ROOMS ARE NOT INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ALL TRUNKING AND TRAY TO ENSURE THE PROTECTION OF ALL THE CABLING. ALL TRUNKING AND TRAYS SHALL BE MANUFACTURED FROM GALVINSED STEEL AS SUPPLIED BY UNITRUNK (OR EQUIVALENT).

13. ALL EQUIPMENT POSITIONS ARE INDICATIVE ONLY FOR TENDERING PURPOSES. FINAL LOCATIONS TO BE DETERMINED ON SITE.

14. THE CONTRACTOR SHALL NOTE THE PHYSICAL SIZE OF ALL DISTRIBUTION EQUIPMENT. EQUIPMENT SHOWN IS INDICITAVE ONLY. PHYSICAL DIMENSIONS MAY VARY IN ACCORDANCE WITH THE NOMINATED EQUIPMENT VENDOR. THE SUB CONTRACTOR SHALL CONFIRM ALL EQUIPMENT CABLE TRAY/RACK DIMENSIONS BEFORE INSTALLATION.

15. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL TERMINATIONS AND CABLE ROUTEWAY DETAILS.

16. ALL CONDUIT/TRAYS AND LADDER ROUTES ARE DIAGRAMMATIC.

17. THE CONTRACTOR MUST ENSURE 40% SPARE CAPACITY IS MAINTAINED WITHIN CONTAINMENT AT ALL TIMES.

18. THE CONTRACTOR TO INCLUDE FOR ALL NECESSARY FIXINGS & SUPPORTS REQUIRED TO COMPLETE INSTALLATION.

19. ALL EXPOSED WALL MOUNTED TRAYS MUST BE CLIPPED/LIDDED.

20. CONTRACTOR TO ALLOW FOR A SEPARATE DEDICATED DISTRIBUTION SYSTEM FOR THE FIRE ALARM. CABLES TO BE SUPPORTED THROUGHOUT ON TRAY OR IN CONDUIT USING FIRE RATED BRACKETS AND CLIPS. FIRE ALARM DISTRIBUTION TO COMPLY WITH I.S. 3218:2013.

21. ALL CABLE TRAY AND TRUNKING SHALL BE INSTALLED WITHIN THE CEILING VOID AND SHALL BE HIDDEN.

22. THE LAYOUT IS INDICATIVE ONLY. FINAL SIZES AND ROUTES OF THE CABLE TRAY ARE TO BE CONFIRMED WITH THE ELECTRICAL CONTRACTOR ON SITE.

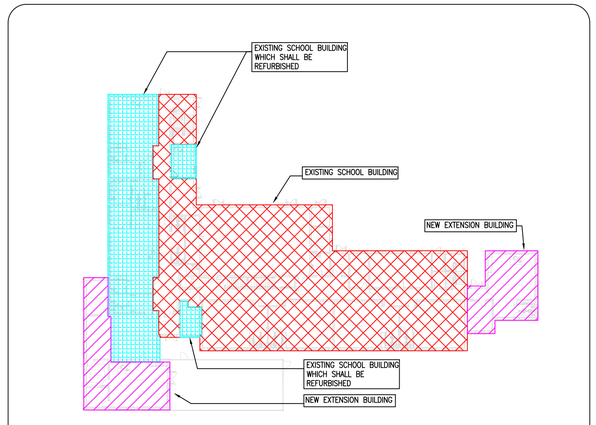
23. ALL CONDUITS BELOW THE CEILING THROUGHOUT THE BUILDING SHALL BE SURFACE MOUNTED. ALL CONDUITS TO ELECTRICAL ITEMS SHALL BE SURFACE MOUNTED.

24. THE CONTRACTOR SHALL ALLOW FOR ALL POWER SUPPLIES AND FIRE ALARM ITEMS REQUIRED FOR THE LIFT INSTALLATION.

25. THE CONTRACTOR SHALL ALLOW FOR ALL DADO TRUNKING DROPS AND LAYOUTS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL ALLOW FOR ALL ELECTRICAL ITEMS AS INDICATED ON THE DRAWINGS ON THE DADO TRUNKING.

26. THE CONTRACTOR SHALL ALLOW OF THE EFFECTIVE BONDING AND EARTHING OF THE ELECTRICAL INSTALLATION AND THE ELECTRICAL CABLE CONTAINMENT SYSTEM. ALL EARTHING AND BONDING SHALL COMPLY WITH CURRENT ETCI REGULATIONS.

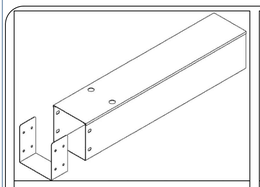
27. THE ROUTES INDICATED ARE MAIN ROUTES ONLY AND SECONDARY ROUTES INTO ROOMS ARE NOT INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ALL TRUNKING AND TRAY TO ENSURE THE PROTECTION OF ALL THE CABLING. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY CONDUIT, TRAY, TRUNKING, ETC. FOR FINAL CONNECTIONS TO ALL ELECTRICAL EQUIPMENT INDICATED ON THE DRAWINGS.



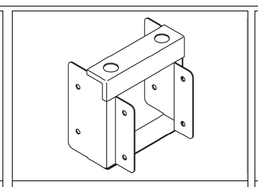
KEYPLAN 1:500

CABLE CONTAINMENT SYMBOLS

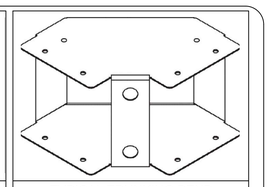
- GALVINISED STEEL TRAY FOR LOW VOLTAGE CABLING HIDDEN IN THE CEILING VOID (SEE DRAWING FOR PROPOSED SIZE)
- GALVINISED STEEL TRUNKING FOR GENERAL SERVICES CABLING HIDDEN IN THE CEILING VOID (SEE DRAWING FOR PROPOSED SIZE)
- GALVINISED STEEL TRAY FOR SUB MAINS CABLING HIDDEN IN THE CEILING VOID (SEE DRAWING FOR PROPOSED SIZE)
- GALVINISED STEEL TRAY FOR LV CABLING HIDDEN IN THE CEILING VOID (SEE DRAWING FOR PROPOSED SIZE)
- GALVINISED STEEL TRAY FOR NEW FIRE ALARM CABLING IN EXTENSION BUILDING HIDDEN IN THE CEILING VOID (50mm TRAY TO BE INSTALLED)
- MAIN DISTRIBUTION BOARD (EXISTING)
- SUB-DISTRIBUTION BOARD
- COMMS CABINET (EXISTING)
- NEW INTERMEDIATE DISTRIBUTION COMMUNICATIONS CABINET



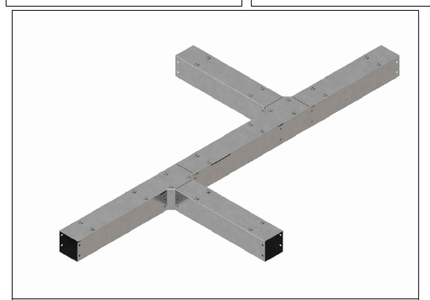
TYPICAL TRUNKING SECTION



TYPICAL REDUCER JUNCTION



TYPICAL TRUNKING BEND

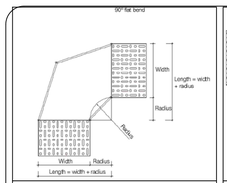


TYPICAL TRUNKING INSTALLATION

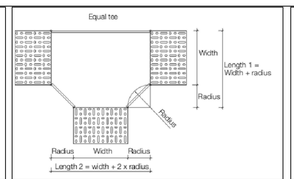
ALL ELECTRICAL TRUNKING SHALL BE MANUFACTURED FROM MILD STEEL PRE-GALVANISED.

TRUNKING SHALL MEET THE REQUIREMENTS OF BS EN 50085-1:2005 AND BS EN 50085-2-1:2006.

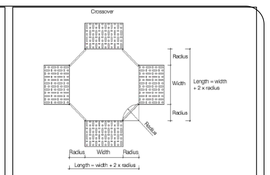
TYPICAL GALVANISED STEEL TRUNKING CONTAINMENT DETAILS



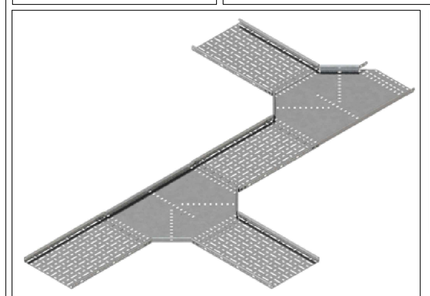
TYPICAL 90° BEND



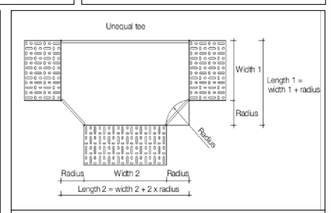
TYPICAL EQUAL TEE



TYPICAL CROSSOVER



TYPICAL TRAY INSTALLATION



TYPICAL UNEQUAL TEE

ALL ELECTRICAL TRAY SHALL BE MANUFACTURED FROM MILD STEEL PRE-GALVANISED.

TRAY SHALL MEET THE REQUIREMENTS OF BS EN 61537:2007.

TYPICAL GALVANISED STEEL TRAY CONTAINMENT DETAILS

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	22.07.2026	K. DAVITT	G. BENNDORF

M&E CONSULTANT

GALILEO ENERGY SERVICES
UNIT A6, M4 BUSINESS PARK, MAYNOOTH ROAD, CELBRIDGE, CO. KILDARE.
Tel: 01-6274103
www.galileoenergy.ie

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Architect: MCLOUGHLIN ARCHITCTURE
Unit 4B, Elm House, Millennium Park, Naas, Co.Kildare, Ireland
Tel. 045 854 900

Scale: 1:150 @ A1

Drawn By: K. DAVITT

Job No.: 21-093

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