

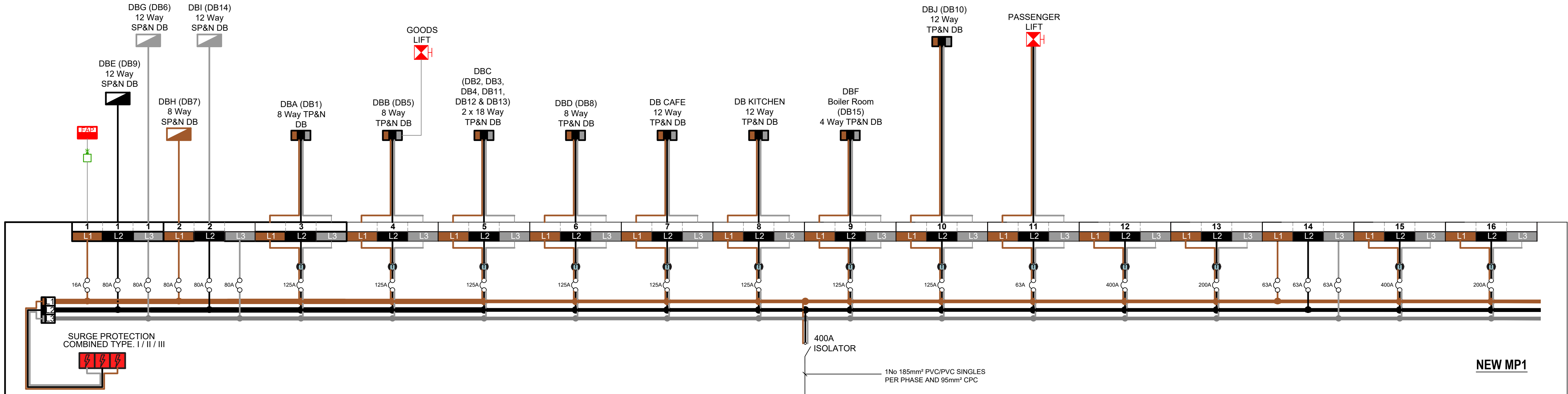


GENERAL NOTES

- THIS DRAWING IS NOT TO BE SCALED FROM.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL CONSULTANTS, SUB-CONSULTANTS AND ARCHITECTS' PROJECT DRAWINGS.

ELECTRICAL NOTES

- ALL SUB METERS SHOWN ARE TO BE STANDARD MULTIFUNCTION ELECTRONIC METERS TO MEET PART L COMPLIANCE EXCEPT FOR THE METERS ON THE SUPPLIES TO THE DB KITCHEN, DB CAFE AND DB8 THESE SHALL BE BILLING GRADE MID METERS.
- ALL DISTRIBUTION BOARDS ARE TO BE REPLACED ALL OUTGOING CIRCUITS AND SUGGESTED BOARD DETAILS ARE INCLUDED WITH THE PROJECT SPECIFICATION.
- THE TWO LIFT SUPPLIES SHALL INCLUDE NEW ISOLATORS TO REPLACE THE EXISTING EQUIPMENT



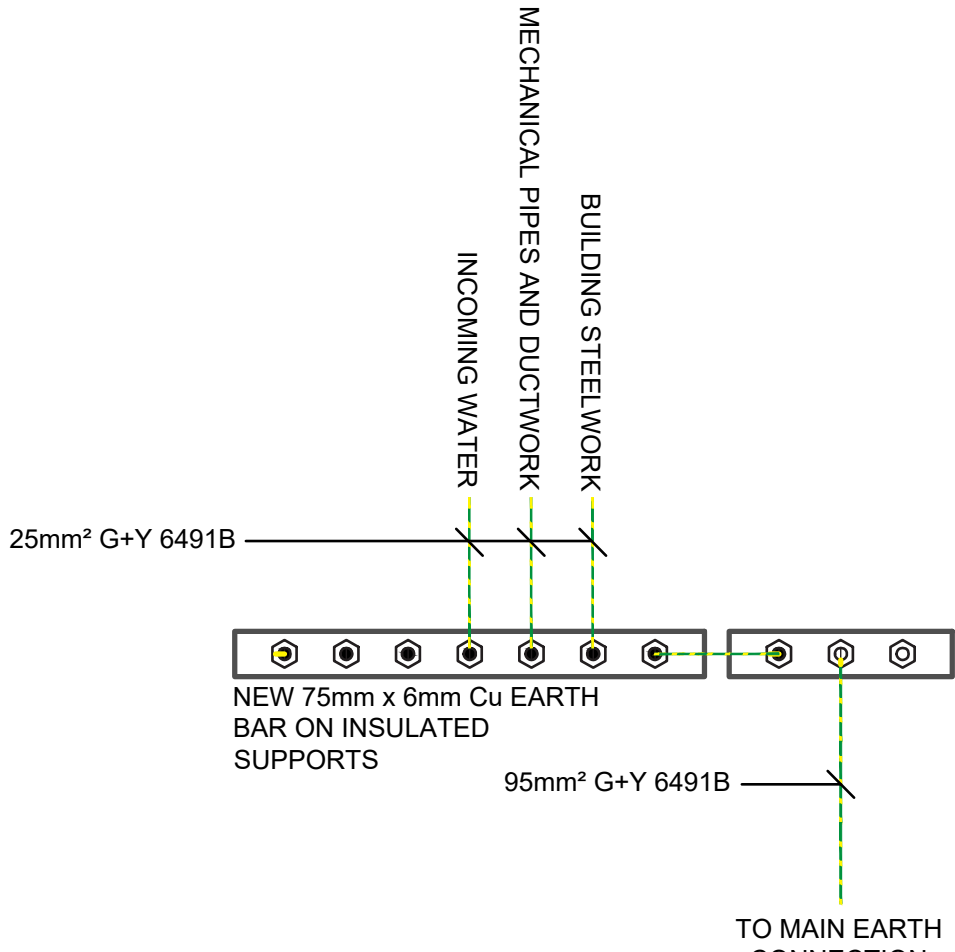
NEW NATIONAL GRID (NG) INTAKE 400A ACB AND METERING CUBICLE

CONTRACTOR TO LIAISE WITH EXISTING METER OPERATOR TO MOVE/REPLACE THE EXISTING UTILITY METER ONTO THE NEW INTAKE CUBICLE FOLLOWING COMPLETION OF THE NG UPGRADE WORKS

NEW NATIONAL GRID CONNECTION TO THE EXTERNAL LV NETWORK

MP1 CABLE SCHEDULE								
CABLE REFERENCE	LOAD REFERENCE	DEVICE RATING	DEVICE TYPE	CABLE TYPE	No of Cores	PHASE SIZE mm²	CPC SIZE mm²	DESIGN LENGTH
1L1	FIRE ALARM	16	MCCB	FP200	3C	4.0	CORE	30M
1L2	DBE	80	MCCB	PVC/SWA/LSF	3C	16	CORE	15M
1L3	DBG	80	MCCB	PVC/SWA/LSF	3C	25	CORE	30M
2L1	DBH	80	MCCB	PVC/SWA/LSF	3C	50	CORE	60M
2L2	DBI	80	MCCB	PVC/SWA/LSF	3C	16	CORE	15M
2L3	SPARE							
3L1		125						
3L2	DBA	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR	40M
3L3		125						
4L1		125						
4L2	DBB	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR	40M
4L3		125						
5L1		125						
5L2	DBC	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR + 10mm	65M
5L3		125						
6L1		125						
6L2	DBD	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR + 16mm	80M
6L3		125						
7L1		125						
7L2	DB CAFE	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR + 16mm	75M
7L3		125						
8L1		125						
8L2	DB KITCHEN	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR + 10mm	55M
8L3		125						
9L1		125						
9L2	DBF	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR	35M
9L3		125						
10L1		125						
10L2	DBJ	125	MCCB	PVC/SWA/LSF	4C	35	ARMOUR + 10mm	50M
10L3		125						
11L1		63						
11L2	PASSENGER LIFT	63	MCCB	PVC/SWA/LSF	4C	16	ARMOUR + 10mm	50M
11L3		63						
12L1								
12L2	SPARE							
12L3								
13L1								
13L2	SPARE							
13L3								
14L1								
14L2	SPARE							
14L3								
15L1								
15L2	SPARE							
15L3								
16L1								
16L2	SPARE							
16L3								

Earthing Schematic



Main Plantroom

Electrical Distribution Boards:

- Single-phase distribution board (Colour denotes phase)
- Three-phase distribution board

Protection Devices:

- Moulded Case Circuit Breaker (MCCB) c/w Electronic Trip Unit
- Utility Meter
- SP&N Isolator (XX - Denotes Rating in Amps)
- TP&N Isolator (XX - Denotes Rating in Amps)
- Surge Protection Device
- Fire Alarm Panel (FAP)
- Keyswitched fused connection unit

Protection Devices:

- Moulded Case Circuit Breaker (MCCB)
- Air Circuit Breaker (ACB)
- Vacuum Circuit Breaker
- Switch Disconnect
- Switch Fuse
- BS88 Industrial Fuse

T1	18/09/2023	Amended as clouded	MA	KA	MA
T1	25/08/2023	Tender Issue	MA	KA	MA
Rev	Date	Revision	Dm	Chk	App



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Client: Royal Cornwall Museum

Project Name: ROYAL CORNWALL MUSEUM
TRURO
CORNWALL

Drawing Title: PROPOSED ELECTRICAL SCHEMATIC

Scale at A1: NTS

Status: TENDER ISSUE

Drawing No: 1107-KSD-DR-E-004 Revision: T2